

AMERICAN
MEN OF
SCIENCE The Social
and Behavioral Sciences

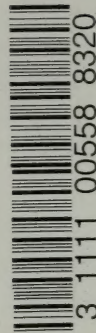
ELEVENTH EDITION

L-Z

THIS BOOK HAS BEEN
PROVIDED BY THE



FOR USE IN
MEMBER LIBRARIES



DOES NOT CIRCULATE

CENTRAL REFERENCE

CENTRAL DEC '88

AMERICAN
MEN OF SCIENCE

AMERICAN
MEN OF SCIENCE

THIRTIETH EDITION

THE SCIENTIFIC & INDUSTRIAL

RESEARCH

A. A. BROWN

EDITOR

JOHN A. HARRISON

1933

AMERICAN
MEN OF SCIENCE

AMERICAN MEN OF SCIENCE

A BIOGRAPHICAL DIRECTORY

Edited by The Jaques Cattell Press

ELEVENTH EDITION

The Social & Behavioral
Sciences

L-Z

R. R. BOWKER COMPANY

NEW YORK & LONDON

1968

COPYRIGHT © R. R. BOWKER COMPANY 1968

1180 Avenue of the Americas
New York, New York 10036

Postpaid price in U.S.A. and Canada:
\$25.00 net; \$27.50 elsewhere.

LIBRARY OF CONGRESS CATALOG CARD NUMBER 6-7326

All rights reserved, including those to
reproduce this book or parts thereof
in any form, not excepting putting on
addressing equipment, for use by any-
one other than the original purchaser.

Composition By
THE JAKES CATTELL PRESS
Tempe, Arizona

Presswork By
MURRAY PRINTING COMPANY
Forge Village, Massachusetts

Binding By
THE RIVERSIDE PRESS
Cambridge, Massachusetts

Editors' Preface

These two volumes, the seventh and eighth, covering the Social and Behavioral Sciences, complete the Eleventh Edition of AMERICAN MEN OF SCIENCE. It was only in the Ninth Edition, published in 1956, that the Social and Behavioral Sciences were issued as a separate volume on the advice of a special joint committee of the American Association for the Advancement of Science and the National Academy of Sciences-National Research Council. Some 18,000 names appeared in the Ninth Edition and more than 22,000 in the Tenth Edition, published in 1962. With approximately 30,000 in the Eleventh Edition, the prophecy voiced by the late Jaques Cattell, editor of AMERICAN MEN OF SCIENCE for over thirty-five years, has been fulfilled. In his preface to the 1956 edition, he expressed his belief that, as the importance of this biographical work came to the attention of leaders in the Social and Behavioral Sciences, the coverage would increase.

The pattern established for the Tenth Edition has been repeated in the Eleventh with publication of the Physical and Biological Sciences Section first, followed immediately by the Social and Behavioral Sciences. As before, the biographical information has been arranged alphabetically within each section, but the ever increasing number of scientists necessitated expansion from four to six volumes in the Physical and Biological Sciences and from one to two volumes in the Social and Behavioral. Over 160,000 entries are included in all eight volumes, compared to 118,000 in the Tenth Edition.

The criteria for inclusion in AMERICAN MEN OF SCIENCE remain the same:

1. Achievement, by reason of experience and training, of a stature in scientific work at least equivalent to that associated with the doctorate degree, coupled with presently continued activity in such work; or
2. Research activity of high quality in science as evidenced by publication in reputable scientific journals; or, for those whose work cannot be published because of governmental or commercial or industrial security, research activity of high quality in science as evidenced by the judgment of the individual's peers among his immediate co-workers; or
3. Attainment of a position of substantial responsibility requiring scientific training and experience of approximately the extent described for (1) and (2).

As with the previous editions, special thanks go to the Social Science Research Council for its informal but invaluable guidance and to the representatives of the key national associations who form the distinguished Advisory Committee for the Social and Behavioral Sciences:

Dr. Arthur H. Brayfield, American Psychological Association; Dr. Charles Frantz, American Anthropological Association, Dr. Norton Ginsburg, Association of American Geographers; Dr. Evron M. Kirkpatrick, American Political Science Association; Donald C. Riley, American Statistical Association; Dr. M. H. Trytten, National Academy of Sciences; Dr. E. H. Volkart, American Sociological Association; Dr. Harold F. Williamson, American Economic Association; Dr. Dael Wolfle, American Association for the Advancement of Science.

George M. McCorkle, president of The Jaques Cattell Press, has worked closely with the Advisory Committee and the staff in the present compilation.

Needless to say, without the cooperation and advice of the vast number of individuals and organizations interested in science, such a compilation as AMERICAN MEN OF SCIENCE would not be possible, and acknowledgment is gratefully extended to the individual scientists, to the Advisory Committee, to all scientific societies, to the universities and colleges, and to the research laboratories of the United States and Canada for their assistance in the continuance of this great enterprise.

The many valuable suggestions received during compilation of the present edition are being carefully considered in future planning. The first to be instituted has been a new Supplementary Service to meet the need for a continual flow of up-to-date information concerning American scientists. Four Supplements to the Physical and Biological Sciences Section have been published, and two more are scheduled: the fifth to be published in 1969 and the sixth in 1970. A Supplement to the Social and Behavioral Sciences Section is planned for publication within the next two years.

This edition has been compiled in Tempe, Arizona, where the editorial offices were moved in 1958 prior to the death of Jaques Cattell. The history of AMERICAN MEN OF SCIENCE goes back to 1906 when a manuscript reference list was published for the Carnegie Institution of Washington by James McKeen Cattell. From this foundation the project has grown to its present scope. The R. R. Bowker Company, which had been associated with Mr. Cattell in the publication of the Ninth Edition, bought The Jaques Cattell Press in 1961 from the estate and continues to serve as publisher, maintaining the same close liaison with cooperating organizations and holding to the same high standards which have characterized this "saga of American science" for over sixty years.

Every effort has been made to avoid errors in the listings—with the certain knowledge that some have escaped us. The great majority of entries have been edited from information received in questionnaires. Biographies of those who did not reply to requests for revisions have been repeated when there was reasonable assumption of continuance at the same location; failing this, a simple reference to the previous edition has been made. When a new address or new affiliation came to our attention from a reliable source, this information has been added to the reference. We have used our best efforts to include the material submitted within the scope of the established format, but have no legal responsibility for errors in entries or accidental omissions.

Elizabeth Cattell, Vice-President and Resident
Manager, The Jaques Cattell Press.

Dorothy Hancock, Managing Editor, American
Men of Science.

Anne J. Richter, Director of the Book Editorial
Department, R. R. Bowker Company.

September, 1968

167977

Abbreviations

American Men of Science has tried to economize on punctuation since the first edition published in 1906, and has used only one punctuation mark at any point. Also, since many societies have the same initials, it has been found necessary to use abbreviations in place of initial letters, for their titles. These abbreviations are generally self-explanatory, or can be found in the following list:

AAAS—American Association for the Advancement of Science	Brit—Britain, British
abnorm—abnormal	Bro(s)—Brother(s)
abstr—abstractor	bryol—bryology
acad—academic, academy	Bull—Bulletin
acct—account, accountant, accounting	bur—bureau
adj—adjunct, adjutant	bus—business
adjust—adjustment	B.W.I—British West Indies
Adm—Admiral	c—children, corps
admin—administration, administrative	Calif—California
adminstr—administrator	Can—Canada, Canadian
adv—advanced, advancement, adviser, advisory	cand—candidate
advert—advertisement	Capt—Captain
aerodyn—aerodynamic(s)	cardiol—cardiology
aeronaut—aeronautic(s), aeronautical	cardiovasc—cardiovascular
aerophys—aerophysical, aerophysics	cartog—cartographic, cartographical, cartography
agr—agricultural, agriculture	Cath—Catholic
agron—agronomic, agronomical, agronomy	C.Eng—Corps of Engineers
agrost—agrostologic, agrostological, agrostology	cent—central
Ala—Alabama	Cent. Am—Central America
allergol—allergological, allergology	cert—certificate, certified
Alta—Alberta	chap—chapter
Am—America, American	chem—chemical(s), chemistry
anal—analysis, analytic, analytical	chmn—chairman
analog—analogue	citricult—citriculture
anat—anatomic, anatomical, anatomy	climat—climatological, climatology
anesthesiol—anesthesiology	clin(s)—clinic(s), clinical
angiol—angiology	cmn(s)—commission(s)
Ann—Annal(s)	cmnr—commissioner
anthrop—anthropological, anthropology	cmt(s)—committee(s)
anthropom—anthropometric, anthropometrical, anthropometry	co—companies, company, county
antiq—antiquarian, antiquary, antiquities, antiquity	co-auth—co-author
apicult—apicultural, apiculture	co-ed—co-editor
APO—Army Post Office	col(s)—college(s), colonel
app—appoint, appointed	collab—collaboration, collaborative, collaborator
appl—applied	Colo—Colorado
appln—application	Comdr—Commander
Apr—April	commun—communicable, communication(s)
apt—apartment(s)	comp—comparative
aquacult—aquaculture	comput—computation, computer(s), computing
arbit—arbitration	conchol—conchology
Arch—Archives	conf—conference
archaeol—archaeological, archaeology	cong—congress(es)
archit—architectural, architecture	Conn—Connecticut
Ariz—Arizona	conserv—conservancy, conservation
Ark—Arkansas	conservy—conservatory
artil—artillery	consol—consolidated, consolidation
Asn—Association	construct—construction
assoc(s)—associate(s), associated	consult—consultant, consulting
asst—assistant	contrib—contributing, contributor
astrodyn—astrodynamics	coop—cooperation, cooperative
astron—astronomical, astronomy	coord—coordinating, coordination
astronaut—astronautical, astronautics	cor—corresponding
astronr—astronomer	corp—corporate, corporation
astrophys—astrophysical, astrophysics	coun—council, councilor
attend—attendant, attending	counsr—counselor
audiol—audiology	criminol—criminological, criminology
Aug—August	crypt—cryptogam, cryptogamic
auth—author	crystallog—crystallographic, crystallographical, crystallography
Ave—Avenue	C.W.S—Chemical Warfare Service
avicult—avicultural, aviculture	cybernet—cybernetic(s)
	cytol—cytological, cytology
	C.Z—Canal Zone
	Czech—Czechoslovakia
b—born	
bact—bacterial, bacteriologic, bacteriological, bacteriology	
B.C—British Columbia	
bd—board	
behav—behavior, behavioral	
bibliog—bibliographic, bibliographical, bibliography	D.C—District of Columbia
biochem—biochemical, biochemistry	Dec—December
biol—biological, biology	Del—Delaware
biomet—biometric(s), biometrical, biometry	del—delegate, delegation
biophys—biophysical, biophysics	demog—demographic, demography
bldg—building	demonstr—demonstrator
blvd—boulevard	dendrol—dendrologic, dendrological, dendrology
bot—botanical, botany	dent—dental, dentistry
br—branch	dep—deputy
Brig—Brigadier	dept—department
	dermat—dermatologic, dermatological, dermatology

ABBREVIATIONS

develop—development, developmental
diag—diagnosis, diagnostic
dipl—diploma, diplomate
dir(s)—director(s), directory
dist—district
div—division, divorced
document—documentation
Dom—Dominion
Dr—Doctor, Drive

e—east
east—eastern
ecol—ecological, ecology
econ(s)—economic(s), economical, economy
economet—econometric(s)
ed—edition, editor, editorial, education, educational
elec—electric, electrical, electricity
electroencephalog—electroencephalographic, electroenceph-
alography
elem—elementary
embryol—embryologic, embryological, embryology
emer—emeritus
employ—employment
encyclo—encyclopedia
endocrinol—endocrinologic, endocrinology
eng—engineering
Eng—England, English
enr(s)—engineer(s)
enol—enology
Ens—Ensign
entom—entomological, entomology
environ—environment(s), environmental
enzym—enzymology
epidemiol—epidemiologic, epidemiological, epidemiology
equip—equipment
espec—especially
estab—established, establishment
ethnog—ethnographic, ethnographical, ethnography
ethnol—ethnologic, ethnological, ethnology
eval—evaluation
evangel—evangelical
eve—evening
exam—examination, examiner(s)
except—exceptional
exec(s)—executive(s)
exhib(s)—exhibition(s)
exp—experiment, experimental
exped(s)—expedition(s)
explor—exploration(s), exploratory
expos—exposition
exten—extension

Feb—February
fed—federal
fedn—federation
fel(s)—fellow(s), fellowship(s)
fermentol—fermentology
fertil—fertility
Fla—Florida
floricult—floricultural, floriculture
for—foreign
found—foundation
FPO—Fleet Post Office
Ft—Fort

Ga—Georgia
gastroenterol—gastroenterology
gen—general
geneal—genealogical, genealogy
geod—geodesy, geodetic
geog—geographic, geographical, geography
geogr—geographer
geol—geologic, geological, geology
geom—geometric, geometrical, geometry
geophys—geophysical, geophysics
geriat—geriatric(s)
geront—gerontological, gerontology
glaciol—glaciology
gov—governing, governor(s)
govt—government, governmental
grad—graduate
Gt. Brit—Great Britain
guid—guidance
gym—gymnasium
gynec—gynecologic, gynecological, gynecology

helminth—helminthology
hemat—hematologic, hematological, hematology
herpet—herpetologic, herpetological, herpetology
hist—historical, history
histol—histological, histology
hochsch—hochschule
homeop—homeopathic, homeopathy
hon—honorable, honorary
hort—horticultural, horticulture
hosp(s)—hospital(s)
hq—headquarters
HumRRO—Human Resources Research Office
husb—husbandry

hwy—highway
hydraul—hydraulic(s)
hydrodyn—hydrodynamic(s)
hydrol—hydrologic, hydrological, hydrology
hyg—hygiene, hygienic(s)

ichthyol—ichthyological, ichthyology
Ill—Illinois
illum—illuminating, illumination
immunol—immunologic, immunological, immunology
Imp—Imperial
improv—improvement
Inc—Incorporated
Ind—Indiana
indust(s)—industrial, industries, industry
info—information
inorg—inorganic
ins—insurance
inst(s)—institute(s), institution(s)
instnl—institutional
instr(s)—instruction, instructor(s)
int—international
intel—intelligence
introd—introduction
invert—invertebrate
invest(s)—investigation(s)
investr—investigator
irrig—irrigation

J—Journal
Jan—January
jour—journal
jr—junior
jurisp—jurisprudence

Kans—Kansas
Ky—Kentucky

La—Louisiana
lab(s)—laboratories, laboratory
lang—language(s)
laryngol—laryngology
lect—lecture
lectr—lecturer
legis—legislation, legislative, legislature
L.I.—Long Island
lib—liberal
librn—librarian
limnol—limnological, limnology
ling—linguistic(s)
lit—literary, literature
lithol—lithologic, lithological, lithology
Lt—Lieutenant
Ltd—Limited

m—married
mach—machine(s), machinery
mag—magazine
maj—major
malacol—malacology
mammal—mammalogy
Man—Manitoba
Mar—March
Mass—Massachusetts
mat—material(s)
mat. med—materia medica
math—mathematic(s), mathematical
Md—Maryland
mech—mechanic(s), mechanical
med—medical, medicinal, medicine
mem—member, memoirs, memorial
ment—mental
metab—metabolic, metabolism
metall—metallurgic, metallurgical, metallurgy
metalog—metallographic, metallography
metaphys—metaphysics
meteorol—meteorological, meteorology
metrol—metrological, metrology
metrop—metropolitan
Mex—Mexico
mfg—manufacturing
mfr(s)—manufacture(s), manufacturer(s)
mgr—manager
mgt—management
Mich—Michigan
micros—microscopic, microscopical, microscopy
mid—middle
mil—military
mineral—mineralogical, mineralogy
Minn—Minnesota
Miss—Mississippi
mkt—market, marketing
Mo—Missouri
mod—modern
monogr—monograph
Mont—Montana

ABBREVIATIONS

morphol—morphological, morphology
mt(s)—mount, mountain(s)
munic—municipal
mus—museum
musicol—musicological, musicology
mycol—mycologic, mycology

n—north
NASA—National Aeronautics & Space Administration
nat—national, naturalized
NATO—North Atlantic Treaty Organization
navig—navigation
N.B.—New Brunswick
N.C.—North Carolina
N.Dak.—North Dakota
Nebr.—Nebraska
nematol—nematology
neurol—neurological, neurology
neuropath—neuropathological, neuropathology
neuropsychiat—neuropsychiatric, neuropsychiatry
Nev.—Nevada
New Eng.—New England
New York—New York City
Newf.—Newfoundland
N.H.—New Hampshire
N.J.—New Jersey
N.Mex.—New Mexico
nonres—nonresident
norm—normal
north—northern
northeast—northeastern
northwest—northwestern
Norweg.—Norwegian
Nov.—November
N.S.—Nova Scotia
N.S.W.—New South Wales
numis—numismatic
nutrit—nutrition, nutritional
N.Y.—New York State
N.Z.—New Zealand

observ—observatory
obstet—obstetric(s)
occup—occupation, occupational
oceanog—oceanographic, oceanographical, oceanography
oceanogr—oceanographer
Oct—October
odontol—odontology
OECE—Organization for European Economic Cooperation
off—office, official
Okla.—Oklahoma
olericult—olericulture
oncol—oncologic, oncology
Ont—Ontario
oper(s)—operation(s), operational, operative
ophthal—ophthalmologic, ophthalmological, ophthalmology
optom—optometric, optometrical, optometry
ord—ordnance
Ore.—Oregon
org—organic
orgn—organization(s), organizational
ornith—ornithological, ornithology
orthod—orthodontia, orthodontic(s)
orthop—orthopedic(s)
osteop—osteopathic, osteopathy
otol—otological, otology
otolaryngol—otolaryngologic, otolaryngology
otorhinol—otorhinologic, otorhinology

Pa.—Pennsylvania
Pac.—Pacific
paleobot—paleobotanical, paleobotany
paleont—paleontological, paleontology
Pan-Am—Pan-American
parasitol—parasitology
path—pathologic, pathological, pathology
pedag—pedagogic(s), pedagogy
pediat—pediatric(s)
P.E.I.—Prince Edward Islands
penol—penological, penology
periodont—periodontal, periodontic(s), periodontology
petrog—petrographic, petrographical, petrography
petrogr—petrographer
petrol—petroleum, petrologic, petrological, petrology
pharm—pharmacy
pharmaceut—pharmaceutic(s), pharmaceutical(s)
pharmacog—pharmacognosy
pharmacol—pharmacologic, pharmacological, pharmacology
Phila.—Philadelphia
philol—philological, philology
philos—philosophic, philosophical, philosophy
photog—photographic, photography
photogeog—photogeographic, photogeography
photogram—photogrammetry
photom—photometric, photometrical, photometry
phycol—phycology
phys—physical
physiog—physiographic, physiographical, physiography
physiol—physiological, physiology
pkwy—parkway
polit—political, politics

polytech—polytechnic
pomol—pomological, pomology
pop—population
postgrad—postgraduate
P.R.—Puerto Rico
prehist—prehistoric, prehistory
prep—preparation, preparative, preparatory
pres—president
Presby.—Presbyterian
prev—prevention, preventive
prfnl—professional
prin—principal
prob(s)—problem(s)
probt—probaton
proc—proceedings
proctol—proctologic, proctological, proctology
prod—product(s), production, productive
prof—professor, professorial
prog(s)—program(s), programming
proj—project(s), projectional, projective
prom—promotion
prov—province, provincial
psychiat—psychiatric, psychiatry
psychoanal—psychoanalysis, psychoanalytic, psychoanalytical
psychol—psychological, psychology
psychomet—psychometric(s)
psychophys—psychophysical, psychophysics
psychophysiol—psychophysiological, psychophysiology
psychosom—psychosomatic(s)
psychother—psychotherapeutic(s), psychotherapy
pub—public, publishing
publ—publication(s)

qm—quartermaster
Qm. Gen.—Quartermaster General
qual—qualitative, quality
quant—quantitative
quart—quarterly
Que—Quebec

radiol—radiological, radiology
R.A.F.—Royal Air Force
R.A.F.V.R.—Royal Air Force Volunteer Reserve
R.A.M.C.—Royal Army Medical Corps
R.A.M.C.R.—Royal Army Medical Corps Reserve
R.A.O.C.—Royal Army Ordnance Corps
R.A.S.C.—Royal Army Service Corps
R.A.S.C.R.—Royal Army Service Corps Reserve
R.C.A.F.—Royal Canadian Air Force
R.C.A.F.R.—Royal Canadian Air Force Reserve
R.C.A.F.V.R.—Royal Canadian Air Force Volunteer Reserve
R.C.A.M.C.—Royal Canadian Army Medical Corps
R.C.A.M.C.R.—Royal Canadian Army Medical Corps Reserve
R.C.A.S.C.—Royal Canadian Army Service Corps
R.C.A.S.C.R.—Royal Canadian Army Service Corps Reserve
R.C.E.M.E.—Royal Canadian Electrical & Mechanical Engineers
R.C.N.—Royal Canadian Navy
R.C.N.R.—Royal Canadian Naval Reserve
R.C.N.V.R.—Royal Canadian Naval Volunteer Reserve
rd—road
R.D.—Rural Delivery
ref—refining
refrig—refrigeration
registr—registrar
registrn—registration
rehab—rehabilitation
rel(s)—relation(s), relative
relig—religion, religious
R.E.M.E.—Royal Electrical & Mechanical Engineers
rep—representative
repub—republic
res—research, reserve, resident
ret—retired
rev—review, revised
rhet—rhetoric, rhetorical
R.I.—Rhode Island
R.M.—Royal Marines
R.N.—Royal Navy
R.N.R.—Royal Naval Reserve
R.N.V.R.—Royal Naval Volunteer Reserve
roentgenol—roentgenologic, roentgenological, roentgenology
R.R.—Railroad, Rural Route
rwy—railway

s—south
S.Africa—South Africa
S.Am—South America, South American
sanit—sanitary, sanitation
Sask—Saskatchewan
S.C.—South Carolina
sch(s)—school(s)
scholar—scholarship
sci—science(s), scientific
S.Dak.—South Dakota
SEATO—Southeast Asia Treaty Organization
sec—secondary
sect—section
secy—secretary
seismog—seismograph, seismographic, seismography
seismol—seismological, seismology

ABBREVIATIONS

sem—seminary
 Sept—September
 serol—serologic, serological, serology
 serv—service(s)
 silvicult—silvicultural, silviculture
 soc(s)—social, societies, society
 sociol—sociologic, sociological, sociology
 south—southern
 southeast—southeastern
 southwest—southwestern
 spec—special
 spectro—spectrograph, spectrographic, spectrography
 spectrophotom—spectrophotometer, spectrophotometric, spectrophotometry
 spectros—spectroscopic, spectroscopy
 speleol—speleological, speleology
 sr—senior
 St—Saint, Street(s)
 sta(s)—station(s)
 statist—statistical, statistics
 stomatol—stomatology
 stratig—stratigraphic, stratigraphy
 struct—structural, structure(s)
 subcmt—subcommittee
 subj—subject
 substa—substation
 suppl—supplement(s), supplemental, supplementary
 supt—superintendent
 supv—supervising, supervision
 supvr—supervisor
 supvry—supervisory
 surg—surgical, surgery
 surv—survey, surveying
 Switz—Switzerland
 symp—symposium(s)
 syphil—syphilology
 syst(s)—system(s), systematic(s), systematical

taxon—taxonomic, taxonomy
 tech—technical, technique(s), technological, technology
 tel—telegraph(y), telephone
 Tenn—Tennessee
 Terr—Terrace
 Tex—Texas
 theol—theological, theology
 theoret—theoretical
 ther—therapy
 therapeut—therapeutic(s)
 thermodyn—thermodynamic(s)
 topog—topographic, topographical, topography
 toxicol—toxicologic, toxicological, toxicology
 trans—transactions
 transl—translation(s), translator
 treas—treasurer, treasury
 trop—tropical
 tuberc—tuberculosis
 TV—television
 twp—township

U.A.R.—United Arab Republic
 U.K.—United Kingdom
 UN—United Nations
 unemploy—unemployment

UNESCO—United Nations Educational Scientific & Cultural Organization
 UNICEF—United Nations International Childrens Fund
 univ(s)—universities, university
 UNRRA—United Nations Relief & Rehabilitation Administration
 urol—urologic, urological, urology
 U.S.—United States
 U.S.A.—U.S. Army
 U.S.A.A.F.—U.S. Army Air Force
 U.S.A.A.F.R.—U.S. Army Air Force Reserve
 U.S.A.F.—U.S. Air Force
 U.S.A.F.R.—U.S. Air Force Reserve
 U.S.A.R.—U.S. Army Reserve
 U.S.C.G.—U.S. Coast Guard
 U.S.C.G.R.—U.S. Coast Guard Reserve
 U.S.M.C.—U.S. Marine Corps
 U.S.M.C.R.—U.S. Marine Corps Reserve
 U.S.N.—U.S. Navy
 U.S.N.A.F.—U.S. Naval Air Force
 U.S.N.A.F.R.—U.S. Naval Air Force Reserve
 U.S.N.R.—U.S. Naval Reserve
 U.S.P.H.S.—U.S. Public Health Service
 U.S.P.H.S.R.—U.S. Public Health Service Reserve
 U.S.S.R.—Union of Soviet Socialist Republics
 U.S.W.M.C.—U.S. Women's Marine Corps
 U.S.W.M.C.R.—U.S. Women's Marine Corps Reserve

Va—Virginia
 veg—vegetable(s), vegetation
 vent—ventilating, ventilation
 vert—vertebrate
 vet—veteran(s), veterinarian, veterinary
 vinicult—viniculture
 virol—virological, virology
 vis—visiting
 voc—vocational
 vol(s)—voluntary, volunteer(s), volume(s)
 v.pres—vice president
 Vt—Vermont

w—west
 W.A.C.—Women's Army Corps
 Wash—Washington
 Wash, D.C.—Washington, D.C.
 W.A.V.E.S.—Women accepted for Voluntary Emergency Service
 west—western
 WHO—World Health Organization
 W.I.—West Indies
 wid—widow, widowed, widower
 Wis—Wisconsin
 W.R.C.N.S.—Women's Royal Canadian Naval Service
 W.R.N.S.—Women's Royal Naval Service
 W.Va—West Virginia
 Wyo—Wyoming

YMCA—Young Men's Christian Association
 YWCA—Young Women's Christian Association

zool—zoological, zoology

AMERICAN MEN OF SCIENCE

L

- LAASE, PROF. LEROY THEODORE**, b. Wisner, Nebr, July 5, 05; m. 29; c. 5. **SPEECH PATHOLOGY**. A.B. Doane Col, 27; M.A. Northwestern, 29; summers, Michigan, 30, Wisconsin, 37; Ph.D.(exp. phonetics), Iowa, 37. Instr. speech, Sterling Col, 29-30; PROF, Hastings Col, 30-40; **SPEECH & SPEECH PATH. & CHMN. DEPT, NEBRASKA**, 40- AAAS; Speech & Hearing Assn; Coun. Except. Children. Speech pathology; aural rehabilitation. Publ: Co-auth, Speech development, improvement and correction, Ronald, 59; auth, The effect of pitch and intensity on the quality of voices in speech, In: Archives of speech, vol. II, Iowa, 37; co-auth, Language disorders in children, a rejoinder, Nat. Soc. Crippled Children & Adults, 59. Address: 101 Temple Bldg, University of Nebraska, Lincoln, Nebr. 68508.
- LAATSCH, PROF. MELVIN H(ENRY)**, b. Birmingham, Ala, July 18, 05. **POLITICAL SCIENCE**. A.B. Gettysburg Col, 26; A.M. Vermont, 28; Carnegie fel, Princeton, 32-33, A.M. 34, Ph.D. 42; B.D. Hamma Divinity Sch, 45. Asst. prof. Vermont, 34-40; **POLIT. SCI. WITTENBERG**, 42-45, assoc. prof, 45-47, PROF, 47-, head dept, 47-62. Polit. Sci. Assn. Comparative jurisprudence; American foreign policies; the implementation of the Monroe Doctrine; jurisprudence, constitutional and international law; diplomacy. Address: Dept. of Political Science, Wittenberg University, Springfield, Ohio 45501.
- LaBARBA, DR. RICHARD C**, b. Easton, Pa, July 16, 34; m. 83; c. 2. **PSYCHOLOGY**. B.A. Lehigh, 60; Ph.D.(psychol), Tennessee, 65. Asst. prof. psychol. & assoc. dir. child study center, George Peabody Col, 65-66; **ASST. PROF. PSYCHOL. SOUTH FLORIDA**, 66- Nat. Inst. Ment. Health res. grant, 67-68. Mil. Intel, U.S.A. 53-55. AAAS; Psychol. Assn. Clinical psychology; effects of early experience on adult patterns of emotionality; psychological factors in disease. Publ: Self-feeding system for pre-weanling mice, 66 & Infant emotionality in two strains of mice as a function of maternal handling, 67, Psychonomic Sci; Differential response efficiency to simple kinesthetic and tactile stimuli, Res. Quart, 67. Address: Dept. of Psychology, University of South Florida, Tampa, Fla. 33620.
- LaBARGE, PROF. RICHARD A(LEEN)**, b. Salt Lake City, Utah, May 8, 34; m. 53; c. 5. **ECONOMICS**. A.B. Michigan, 54; M.A. Tulane, 55; H.B. Earhart Found. fel, Duke, 55-56, Soc. Sci. Res. Coun. fel, 56-57, Ph.D.(econ), 59. Asst. prof. econ, Southern Methodist, 57-60; financial analyst, treas. off, Ford Motor Co, Mich, 60-62, spec. legis. analyst, civic & govt. affairs staff, 62-65; assoc. prof. econ, Fla. State, 65-67; **PROF. ECON. & FINANCE & CHMN. DEPT. LA. STATE, NEW ORLEANS**, 67- Adj. prof, Wayne State, 61-65; summers, vis. assoc. prof, Mich. State, 66, vis. prof, N.Y. Univ, 67 & 68. Econ. Assn; Statist. Assn; Economet. Soc; Latin Am. Studies Assn; Assn. Bus. Econ. Latin American studies; economic theory; regional economic development; money, banking and finance. Publ: Impact of the United Fruit Company on the economic development of Guatemala, 1946-1954; Fighting inflation through supply, In: Business Economics, J. Nat. Assn. Bus. Econ, fall 66; On the natural law of human reproduction, Am. Econ. Rev, 5/68. Address: Dept. of Economics & Finance, Louisiana State University in New Orleans, New Orleans, La. 70122.
- LA BARRE, PROF. WESTON**, b. Uniontown, Pa, Dec. 13, 11; m. 39; c. 3. **ANTHROPOLOGY**. A.B. Princeton, 33; Ph.D.(anthrop), Yale, 37. Sterling fel. of Yale, Bolivia, 37-38; Soc. Sci. Res. Coun. fel, Menninger Clin, 38-39; instr. sociol. & anthrop, Rutgers, 39-43; community analyst, War Relocation Authority, 43; asst. prof. ANTHROP, DUKE, 46-48, assoc. prof, 48-58, PROF, 58- Vis. prof, N.Y. Univ, 42; Wisconsin, 47; Northwestern, 49; North Carolina, 51, med. sch, 55; Minnesota, 55; Guggenheim fel, 46; Rohm Mem. award, 58; Nat. Sci. Found. sr. fel, 62-63. Consult, Group Adv. Psychiat, 59-; Nat. Sci. Found, 58-58; 60. U.S.N.R, 43-46. Fel. Anthropol. Assn. Ethnography, culture and personality; primitive religion; clinical psychiatry. Publ: The human animal; They shall take up serpents: psychology of the southern snake handling cult; The Aymara Indians of the Lake Titicaca Plateau, Bolivia. Address: Dept. of Anthropology, Duke University, GM Duke Station, Durham, N.C. 27706.
- L'ABATE, PROF. LUCIANO**, b. Brindisi, Italy, Sept. 19, 28; nat; m. 58; c. 2. **PSYCHOLOGY**. B.A. Tabor Col, 50; M.A. Wichita, 53; Ph.D.(psychol), Duke, 56. Clin. psychologist, Ment. Health Clin, Pitt County, Ill, 56-57; U.S. Pub. Health Serv. fel, Michael Reese Hosp, Chicago, 58-59; asst. prof. med. psychol, sch. med, Washington (St. Louis), 59-64; assoc. prof, sch. med, Emory, 64-65; **PROF. PSYCHOL. & DIR. CHILD DEVELOP. LAB, GA. STATE COL**, 65- Consult, St. Louis State Hosp, 59-64; Crippled Children Serv; Ga. Health Dept, 64-; sch. med, Emory, 65-; Gwinnett Co. Bd. Ed, 66-; treas, Inst. Psychol. Serv, Inc, 66- AAAS; fel. Psychol. Assn; fel. Orthopsychiat. Assn; fel. Int. Soc. Psychol; fel. Inst. Soc. Study Symbols; Soc. Proj. Tech. & Personality Assessment; Soc. Res. Child Develop; Coun. Except. Children. Anxiety; child personality; verbal learning and transfer; clinical evaluation techniques. Publ: Principles of clinical psychology, Grune, 64. Address: Dept. of Psychology, Georgia State College, 33 Gilmer St, Atlanta, Ga. 30303.
- LaBERGE, PROF. DAVID**, b. St. Louis, Mo, June 3, 29; m. 51; c. 3. **EXPERIMENTAL PSYCHOLOGY**. B.A. Col. Wooster, 50; M.A. Claremont Col, 52; Ph.D. Stanford, 55. Asst. prof. psychol, Stanford, 53-55; instr, Indiana, 55-57, asst. prof, 57-58; assoc. prof, MINNESOTA, MINNEAPOLIS, 58-62, PROF, 62-, distinguished teaching award, 60. Grants, choice behav, Nat. Sci. Found, 58-65 & human attention, NASA, 65-67; vis. prof, California, Irvine, 67-68. AAAS; Psychol. Assn; Psychonomic Assn. Learning; perception; quantitative methods. Address: Dept. of Psychology, University of Minnesota, Minneapolis, Minn. 55455.
- LABOVITZ, I(SRAEL) M(ILTON)**, b. Duluth, Minn, June 30, 07; m. 32; c. 3. **ECONOMICS**. B.A. Minnesota, 28; Chicago, 28-32, Avery fel, 32-35. Tax economist, State Tax Cmn, Ill, 35-41; fiscal analyst, U.S. Bur. Budget, 41-52, asst. to div. chief, labor & welfare div, 52-56; **SR. SPECIALIST SOC. WELFARE, LEGIS. REF. SERV. LIBRARY OF CONG**, 56- Adv, Int. Bank Reconstruct. & Develop. mission, Jamaica, 52; prof. in ed. finance, Syracuse, 60-62. Trustee, Fedn. Tax Admin. AAAS; Econ. Assn; Tax Inst. Federal, state and local fiscal relations; welfare; health; social insurances and related programs; Illinois state finance. Publ: Aid for federally affected public schools, Syracuse Univ, 63; Catalog of Federal aids to state and local governments, U.S. Senate Cmt. Govt. Oper, Subcm. Intergovt. Rels, 64, 65, 66 (68, in press); ed, Federal programs for the development of human resources, U.S. Cong. Joint Econ. Cmt, Subcm. Econ. Progress, 12/66. Address: Legislative Reference Service, Library of Congress, Washington, D.C. 20540.
- LABOVITZ, DR. SANFORD I**, b. Los Angeles, Calif, Apr. 5, 35; m. 60; c. 1. **SOCIOLOGY**. B.A. California, Los Angeles, 60; M.A. & Ph.D.(sociol), Texas, 63. Asst. prof. SOCIOL, San Diego State Col, 63-64; Washington State, 64-66; **ASSOC. PROF. SOUTHERN CALIFORNIA**, 66- U.S.A. 54-55. Sociol. Assn; Statist. Assn. Methods and statistics; social change; formal organizations; human ecology. Publ: Methods for control with small sample size, Am. Sociol. Rev, 4/65; Territorial differentiation and societal change, Pac. Sociol. Rev, fall 65; Some considerations on measurement and statistics, Soc. Forces, 67. Address: Dept. of Sociology, University of Southern California, University Park, Los Angeles, Calif. 90007.
- LABRECOQUE, PROF. GILLES**, b. Lévis, Que, Feb. 3, 19; m. 66. **POLITICAL ECONOMY, FINANCE**. B.A. & B.Ed, Montreal, 43; B.Com, Laval, 47; M.A. St. Louis, 48. PROF. ECON, LAVAL, 48-. DIR. EXEC. DEVELOP. PROGS, 67-, secy. studies, 56-59, dir, 64-67. Econ. Assn. Publ: The gold problem, 64 & A new Europe, 64, Economie et Commerce. Address: School of Business Administration, Laval University, Quebec, Que, Can.
- LABSVIRS, DR. JANIS**, b. Bilska, Latvia, Mar. 13, 07; nat. **ECONOMICS**. M.S. Univ. Latvia, 30; M.S. Butler, 56; Ph.D.(econ), Indiana, 59. Teaching & ed. adminstr, Latvian Govt, 30-44; with relief & rehab. agencies, Germany, 44-50; asst. ECON, Indiana, 57-58; acting asst. prof, INDIANA STATE 59-60, asst. prof, 60-62, **ASSOC. PROF**, 62- Econ. Assn; Acad. Polit. Sci; fel. Royal Econ. Soc. Comparative economic systems; economic theory; public finance; international relations. Address: Dept. of Economics, Indiana State University, 3313 Hovey St, Indianapolis, Ind. 46218.
- LACEY, DR. HARVEY M(ILES)**, b. Brooklyn, N.Y, Apr. 23, 33; m. 57; c. 1. **CLINICAL PSYCHOLOGY**. A.B. Adelphi Col, 54; M.S. Massachusetts, 56, Ph.D. 59. Intern, Worcester Child Guid. Center, Mass, 58-59; Pittsburgh Child Guid. Center, 59-60, staff psychologist, 60-64, assoc. prof. psychol, Pittsburgh, 64-66; **EXEC. DIR. PACE SCH, McKEESPORT**, 67- Instr, Pittsburgh, 61-64. Consult, Childrens Hosp. of Pittsburgh, 60- AAAS; Psychol. Assn; fel. Orthopsychiat. Assn; Soc. Res. Child Develop. Concept formation; projective techniques, factors related to premature termination in child guidance clinics; learning disabilities. Publ: Mediating verbal responses and stimulus similarity as factors in the conceptual sorting of children; Conceptual block sorting as a function of number, pattern of assignment, and strength of labeling responses; Characteristics of terminators and remainders in a child guidance setting. Address: 1465 Navahoe Dr, Pittsburgh, Pa. 15228.
- LACEY, DR. JOHN I(RVING)**, Psychophysiol, Neurophysiol, see 11th ed, Phys. & Biol. Vols.
- LACHMAN, ALEXIS E(DMUND)**, Econ, see 10th ed, Soc. & Behav. Vols.
- LACHMAN, DR. ROY**, b. Brooklyn, N.Y, Nov. 26, 27; m. 51; c. 1. **EXPERIMENTAL PSYCHOLOGY, INFORMATION SCIENCE**. B.S. Brooklyn Col, 55; Fels Found. fel, Butler fel. & Ph.D.(psychol), N.Y. Univ, 60. Asst. prof. EXP. PSYCHOL, Hawaii, Hilo, 51-60; dir. res, hosp., sch. med, Hopkins, 60-61; asst. prof, Hollins Col, 61-62; assoc. prof, STATE UNIV. N.Y. BUF-FALO, 63-67, PROF, 67- Nat. Insts. Health res. grants; Nat. Sci. Found. res. grants. U.S.A. 50-52. AAAS; Psychol. Assn; Psychonomic Soc; Philos. Sci. Assn. Human cognition and information processing; philosophy of science; computer simulation of cognitive and verbal processes; psycholinguistics. Publ: Contrib. Science; J. Exp. Psychol; Psychol. Rev. Address: Dept. of Psychology, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- LACHMAN, PROF. SHELDON J(OSEPH)**, Psychol, see 11th ed, Phys. & Biol. Vols.

- LACHMANN, DR. FRANK M(ICHAE)EL**, b. Breslau, Germany, Dec. 9, 29; nat. CLINICAL PSYCHOLOGY. B.A., N.Y. Univ., 51; Ph.D.(psychol), Northwestern, 55. Staff psychologist, Dyslexia Mem. Inst., Ill, 51-52, 54-55; extern psychol. med. sch., Northwestern, 52-53; intern, Bellevue Psychiat. Hosp., New York, 53-54; fel., F.D. Roosevelt Vet. Admin. Hosp., Montrose, N.Y., 55-56; clin. psychologist, regional off., Vet. Admin., N.Y., 56-60; assoc. psychologist, POST-GRAD. CENTER MENT. HEALTH, 60-64, LECTR. & SUPVR, 65-, CONSULT, DRUG ADDICTION PROJ, DEPT. COMMUNITY SERVS, 67- LECTR., Pace Col., 56-57; Hunter Col., 57-60; private practice, 60- AAAS; Psychol. Asn.; Orthopsychiat. Asn. Ego psychology and defenses; dream process and personality variables which affect dream recall. Publ: Perceptual-motor development in children retarded in reading ability, J. Consult. Psychol.; Recall of dreams: its relationship to cognitive control and repression, J. Abnorm. & Soc. Psychol. Address: 221 W. 82nd St, New York, N.Y. 10024.
- LACHMANN, DR. KARL E.**, b. Berlin, Germany, Sept. 20, 14; nat; m. 54. PUBLIC FINANCE. LL.B., Grenoble, 34, J.S.D., 36; LL.M., Paris, 35; J.D., Chicago, 38. Assoc. ed., Law Rev., Chicago, 37-38; asst. solicitor, U.S. Dept. Interior, 39-43; spec. attorney, Off. Price Admin., 43-47; chief int. tax sect., FISCAL & FINANCIAL BR., UN, 47-64, CHIEF, 64- Mem. Garnett, Crickenberger & Lachmann, Va., 40-43; prosecuting counsel, Trial Major War Criminals, Nuremberg, Germany, 45-46; private practice. Dep. exec. secy, UN Conf. Declaration Death Missing Persons, Lake Success, 50; secy, UN Tech. Assistance Conf. Comp. Fiscal Admin., Geneva, 51, UN tech. assistance tax expert, Cent. Am., 59. Econ. Asn.; Soc. Int. Law; Int. Inst. Pub. Finance. Taxation; international investment; patents. Publ: De la transformation de société anonyme moderne. Address: 115-30 Park Lane S, Kew Gardens, N.Y. 11418.
- LACKLEN, ROBERT J(ONES)**, b. Bozeman, Mont., Oct. 11, 13; m. 45; c. 6. PSYCHOLOGY. A.B., Montana, 36; M.A., Stanford, 40. Technician personnel mgt, U.S. Dept. Labor, 39-41; analyst labor rels., Lockheed Aircraft Corp., 41-42; classification & orgn. officer, Nat. Adv. Cmt. Aeronaut., 45-47, dir. personnel, 47-58, dir. personnel, NASA, 58-65; DIR, CREATIVITY RES. INST., RICHARDSON FOUND., 65- U.S.A.A.F., 42-45, 1st Lt. AAAS; Psychol. Asn. Personnel management; tests and measurements; personnel appraisal; identification of creative talent; occupational selection; organizational climate. Address: Richardson Foundation, Box 3265, Greensboro, N.C. 27402.
- LACOGNATA, PROF. ANGELO A.**, b. Buffalo, N.Y., May 25, 27; m. 57; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A., Buffalo, 57; M.A., Rochester, 59; Ph.D.(sociol. soc. psychol.), Mich. State, 62. Dir. continuing ed. res. div., Mich. State, 62-63; assoc. prof. SOCIOL., State Univ. N.Y. Col. Oswego, 63-64; Maine, 64-65; PROF., GORHAM STATE COL., 65-, CHMN. DEPT. SOC. SCI., 66- Univ. Maine Coe res. grant, 64-65; Methodist Church of Wash., D.C. soc. probs. res. award, 65. U.S.N., 45-46. AAAS; Sociol. Asn.; Pop. Asn. Am. Social problems; population; sociology of education. Publ: Faculty academic role expectations, J. Soc. Psychol., 65; Comparative analysis private-state college student role expectations, J. Ed. Res., 66; Birth control information and practices, J. Women Deans & Counsr., 67. Address: Dept. of Social Science, Gorham State College, Gorham, Maine 04038.
- LaCOMBE, RAYMOND D(ANIEL)**, Econ, Finance, see 10th ed, Soc. & Behav. Vols.
- LACY, DR. O(SBORNE) W(ILSON)**, b. Glade Spring, Va., Jan. 28, 23; m. 50; c. 3. PSYCHOLOGY. B.A., Hampden-Sydney Col., 47; U.S. Pub. Health Serv. fel., Pennsylvania, 49-53, A.M., 51, Ph.D.(psychol), 55. Asst. prof. psychol. & assoc. dir. counseling, Hampden-Sydney Col., 53-55; asst. prof. PSYCHOL., Trinity Col. (Conn), 55-60, ASSOC. PROF., 60-65, DEAN STUDENTS, 58-65; FRANKLIN & MARSHALL COL., 65- Res. assoc., neurol. res. lab., univ. hosp., Virginia, 54-58, consult, 53-58. AAAS; Psychol. Asn. Personality factors in perception; measurement of personality attributes; experimental psychopathology; student characteristics and educational environments; administrative behavior. Address: Dept. of Psychology, Franklin & Marshall College, Lancaster, Pa. 17603.
- LADD, (ROBERT) BOYD**, b. Bishop, Tex., Mar. 16, 15; m. 67; c. 2. STATISTICS. B.A., Texas Col. Arts & Indust., 35, M.A., 39. Chief transport econ. br., Transportation Corps, U.S. Army, 43-49; statistician, off. statist. standards, U.S. Bur. Budget, 49-53; analyst, ops. res. office, Hopkins, 53-55; mgr. ops. res., Southwest Res. Inst., 55-58; chmn. army inventory modernization res., ops. res. office, Hopkins, 58-60, prin. res. scientist, inst. coop. res., 60-61; V.PRES. SURV. & RES. CORP., 62-; MEM. PRFNL. STAFF, MARINE SCI. COUN., EXEC. OFF. PRESIDENT, 67- Lect. St. Mary's, San Antonio, 58; participant, summer conf. transportation res., Nat. Acad. Sci.-Nat. Res. Coun., 60. Consult. transportation policy, Secy. Commerce, 61-63; prin. statist. adv., Govt. Repub. China, Taiwan, 65. Staff dir., Maritime Eval. Cmt., 61-63; mem. cmt. int. coop. Hwy. Res. Bd., Nat. Acad. Sci.-Nat. Res. Coun., 65-; mem. bd., Md. Partners Alliance, 65- Assoc. Interam. Statist. Inst. Fel. AAAS; fel. Am. Statist. Asn.; Ops. Res. Soc.; Econ. Asn.; Inst. Mgt. Sci.; Soc. Int. Develop.; fel. Royal Statist. Soc. Research management; economic development; transportation and logistics; marine science; resources studies; operations research; statistics and survey methods; benefit-cost studies; scientific manpower. Publ: Co-auth., Southwest resources handbook, Southwest Res. Inst., 4 vols., 57-58; auth., Maritime resources for security and trade, Report Maritime Eval. Cmt. H. Doc., 63; co-auth., Marine sciences affairs (President's 2nd report), Govt. Printing Off., 68. Address: 1030 15th St. N.W., Washington, D.C. 20005.
- LADD, DR. CLAYTON E(UGENE)**, b. Glen Alice, Tenn., May 12, 31; m. 52; c. 4. PSYCHOLOGY. A.B., Miami (Ohio), 53; M.A., Iowa, 59, Ph.D., 60. Trainee, Vet. Admin. Hosp., Iowa City, 55-58, Knoxville, 59-60; counsr., counseling serv., Univ. Iowa, 58-59; staff psychologist, dept. psychiat., med. center, Indiana, 60-62, chief psychologist, Long Psychiat. Clin., 62-66, instr. psychol., exten. centers, 60-62; ASSOC. PROF. PSYCHOL., SOUTHERN ILLINOIS & COUNSR., COUNSELING & TESTING CENTER, 66- Psychol. consult., Madison State Hosp., Ind., 62-66; Chester Security Hosp., Ill., 67- U.S.N.R., 50-53; U.S.M.C., 53-55, 1st Lt. Psychol. Asn. Clinical psychology; empirical validation of psychological tests; experimental approaches to psychotherapy, accuracy and improvement of clinical judgment. Publ: Research with the Wechsler Intelligence scales for adults, Psychol. Bull: The WAIS performance of neurotic and brain damaged patients, J. Clin. Psychol., 64; Record-keeping and research in psychiatric and psychological clinics, J. Counseling Psychol., 67. Address: Counseling & Testing Center, Southern Illinois University, Carbondale, Ill. 62901.
- LADD, PROF. DWIGHT R(OBERT)**, b. New Bedford, Mass., July 11, 21; m. 43; c. 3. BUSINESS ADMINISTRATION. A.B., Brown, 43; M.B.A., Harvard, 49, D.B.A., 56. LECTR. BUS. ADMIN., Western Ontario, 51-52, asst. prof., 52-54; Harvard, 54-56; assoc. prof., Western Ontario, 56-60; PROF., mgt. develop. inst., Lausanne, 60-61; Western Ontario, 61-64; NEW HAMPSHIRE, 64- U.S.M.C.R., 42-46, Capt. Am. Acct. Asn.; Transportation Res. Forum; Soc. Indust. & Cost. Acct. Can. Transportation policy; social responsibility of business; organization and administration of higher education. Publ: Cost data for the management of railroad passenger service, Harvard, 57; Contemporary corporate accounting and the public, Irwin, 63; Role of costs in pricing decisions, Soc. Indust. & Cost Acct. Can., 64. Address: Whittemore School, University of New Hampshire, Durham, N.H. 03824.
- LADD, DR. EVERETT CARLL, JR.**, b. Saco, Maine, Sept. 24, 37; m. 59; c. 3. POLITICAL SCIENCE. A.B., Bates Col., 59; Woodrow Wilson fel., Cornell, 59-60, Soc. Sci. Res. Coun. & John L. Senior fel., 62-63, Ph.D.(govt), 64. Asst. dean students, Cornell, 63-64; asst. prof. POLIT. SCI., CONNECTICUT, 64-67, ASSOC. PROF., 67- Soc. Sci. Res. Coun. faculty res. grant, 66-67; Nat. Sci. Found. res. grant, 66-68. Mem. cmt. faculty res. grants, Soc. Sci. Res. Coun., 67- AAAS; Polit. Sci. Asn. The American political system, especially political leadership, public opinion, and political ideas and ideology. Publ: Negro political leadership in the South, Cornell, 66, paperback ed., Atheneum, 68; Community ideational systems, Cornell, 69; Civil rights: the continuing revolution, Yale Rev., 10/65. Address: Dept. of Political Science, University of Connecticut, Storrs, Conn. 06268.
- LADD, DR. FORREST E(ARL)**, JR., b. Cushing, Okla., Jan. 18, 27; m. 50; c. 1. PSYCHOLOGY. A.B., Bethany Nazarene Col., 48; M.S., Oklahoma, 50; univ. fel., Kansas, 52-53, Nat. Sci. Found. fel., 53-54, Ph.D.(psychol), 57. Instr. PSYCHOL., Miltonvale Wesleyan Col., 50-52; from asst. instr. to PROF., BETHANY NAZARENE COL., 55-, HEAD DEPT., 58-, DIR. GRAD. STUDIES, 66- Psychol. Asn. Cognitive processes, especially concept formation; personality theory; programmed instruction. Publ: You can break that habit, Beacon, 66; Concept learning in relation to open-and-closed-mindedness and academic aptitude, Psychol. Reports, 67. Address: Dept. of Psychology, Bethany Nazarene College, Bethany, Okla. 73008.
- LADD, PROF. GEORGE W(ELLS)**, b. Brookings, S.Dak., Apr. 28, 25; m. 48; c. 2. ECONOMICS. B.S., S.Dak. State Col., 50; M.A., Mich. State Col., 51; Ph.D.(econ), Illinois, 55. Instr. ECON., Southern Illinois, 51-52; asst., Illinois, 52-55; asst. prof., IOWA STATE, 55-58, assoc. prof., 58-62, PROF., 62- Vis. prof., California, Davis, 66. U.S.M.C., 43-46. Econ. Asn.; Agr. Econ. Asn.; Statist. Asn.; Economet. Soc. Marketing; statistics. Publ: Agricultural bargaining power, Iowa State Univ., 64; Linear probability functions and discriminant functions, Econometrica, 10/66; co-auth., Optimal beef and pork marketings, J. Farm Econ, 5/66. Address: 1408 Coolidge, Ames, Iowa 50010.
- LADD, HAROLD O.**, b. Wilmington, Del., Sept. 12, 04; m. 26; c. 3. ECONOMICS. B.S., Temple, 30. Analyst, cellophane div., E.I. Du Pont de Nemours & Co., 30-36, mgr. trade anal., 36-43, asst. mgr. dept. advert. res., 43-46, mgr., 46-48, asst. dir. cent. trade anal., 48-50, dir., 50-55, mgr. cent. mkt. res. div., develop. dept., 55-65; CONSULT. MKT. & DISTRIBUTION, 65- Consult. War Prod. Bd., 42. Dir., Resistoflex Corp., Roseland, N.J., 65-; Brandywine Brokerage Consults, Wilmington, Del., 68- Address: Brinton's Bridge Rd., Chadds Ford, Pa. 19317.
- LADEN, PROF. BEN E(LLIS)**, b. Savannah, Ga., Mar. 4, 42; m. 64; c. 1. ECO-NOMICS. A.B., Princeton, 63; Hopkins, 63-67. ASST. PROF. ECON., OHIO STATE, 67- Econ. Asn.; Economet. Soc. Economic theory; econometrics. Address: 1784 D King's Court, Columbus, Ohio 43212.
- LADEN, DR. HYMAN NATHANIEL**, Math, Electronics, see 11th ed, Phys. & Biol. Vols.
- La FARGE, OLIVER**, Anthropol., see 10th ed, Soc. & Behav. Vols., deceased 63.
- LA FAVE, DR. LAWRENCE E, JR.**, b. Duluth, Minn., Aug. 15, 29. PSYCHOLOGY, SOCIOLOGY. B.A., Minnesota, Duluth, 52; M.A., North Dakota, 54; Ph.D.(psychol. sociol.), Oklahoma, 61. Res. asst. soc. psychol., Yale Attitude Proj., Oklahoma, 55-58, inst. group rels., 56-59; res. lectr. sociol. & acad. counsr., Indiana, Gary, 59-60; lectr. sociol., Roosevelt, 61-62; assoc. prof. psychol. & chmn. dept., Detroit Inst. Tech., 62-65; ASSOC. PROF. sociol., Indiana State, 65-68; PSYCHOL., WINDSOR, 68- Instr., Oklahoma City Univ., 57-59; res. analyst, Cook County Dept. Pub. Aid, 61-62. AAAS; Psychol. Asn.; Sociol. Asn. Disguised-structured attitude measurement; applications of symbolic logics to psychology and sociology; construction of mathematical theories in social psychology. Publ: Comment on Priest's article: Election jokes: the effects of reference group membership, Psychol. Reports, 2/67; co-auth., Involuntary nonconformity as a function of habit lag, Perceptual & Motor Skills, 2/67; Reference scales and placement of items with the own category technique, J. Soc. Psychol. (In press). Address: Dept. of Psychology, University of Windsor, Windsor, Ont., Can.
- LAFFAL, DR. JULIUS**, b. New York, N.Y., Dec. 3, 20; m. 44; c. 2. PSYCHOLOGY. B.A., City Col. New York, 41; M.A., N.Y. Univ., 49; Ph.D.(psychol), Iowa, 51. Psychol. trainee, Vet. Admin. Hosp., Newington, Conn., 51-52; asst. dept. psychiat., Yale, 52-53, assoc. prof., dept. psychol. & psychiat., 53-68; DIR. RES. & PSYCHOL. SERV., CONN. VALLEY HOSP., MIDDLE-TOWN, 68- Psychologist, Vet. Admin. Hosp., West Haven, Conn., 53- U.S.A., 43-45, Sgt. Psychol. Asn.; Asn. Mach. Trans. & Comput. Ling. Psychology of language; language distortions in schizophrenia. Publ: Pathological and normal language, Atherton, 65. Address: Psychology Service, Connecticut Valley Hospital, Middletown, Conn. 06457.

LAFFERTY, PROF. DARIS GROVER, b. Patmos, Ark, July 29, 19; m. 44; c. 3. AGRICULTURAL ECONOMICS. B.S.A. Arkansas, 50, M.S. 52; Illinois, 53-54. Asst. prof. agr. econ. Arkansas, 54-56; agr. economist mkt. res. U.S. Dept. Agr., 56-57; ASST. PROF. AGR. ECON. ARKANSAS, 57-U.S.A.F. 44-46, Res. 46-, Maj. Agr. Econ. Assn. Cotton, livestock, fruit and vegetable marketing research; farm management research. Publ: Marketing registered and certified cotton planting seed in Arkansas; Production patterns, marketing practices, and problems of Arkansas fruit and vegetable producers; Cost relationships in high capacity cotton gins, South. Coop. Series Bull. 1/64. Address: Dept. of Agricultural Economics, University of Arkansas, Fayetteville, Ark. 72701.

LAFFERTY, DR. J(AMES) CLAYTON, b. Detroit, Mich, June 23, 28; m. 53; c. 1. EDUCATIONAL & CLINICAL PSYCHOLOGY. B.S. Hillsdale Col, 51; M.A. Wayne State, 53; Ph.D. Michigan, 61. Psychologist, Boys Republic, 52-54; Wayne County Bd. Ed, 54-62; CONSULT. PSYCHOLOGIST, 62- Instr, Mich. State, 59; vis. lectr, Michigan, 61-67; Nat. Inst. Ment. Health grant. Consult, sch. ment. health proj, 57-62. Acad. Psychother; Psychol. Assn. School mental health; self concept; apparent motion phenomena as a diagnostic indicator; emotionally disturbed children; psychotherapy. Publ: Changes in teacher self concept following participation in consulting mental health program; Leadership and motivation, in: Data processing, Vol. X, 67; co-auth, Measurement of self concept in KGM, Res. Concepts, 67. Address: 2021 Penobscot Blvd, Detroit, Mich. 48226.

LAFFITTE, PROF. RONDEAU G(ARVIN) JR, b. Atlanta, Ga. May 12, 29; m. 53; c. 3. EDUCATIONAL PSYCHOLOGY. B.S. Fla. State, 55, M.A. 56; fel, Michigan, 58-59, Ph.D. 62. Res. assoc. ed, Michigan, 59; asst. prof. PSYCHOL. WINTHROP COL, 59-62, assoc. prof, 62-65, PROF. 65-, DIR. READING IMPROV. PROG, 59- U.S.N. 48-52. Psychol. Assn. Problems of human learning; development of reading skill; child development. Publ: Co-auth, Description and analysis of longitudinal records of development of elementary school children in Ferndale, Michigan; How well are they learning. Ed. Leadership; auth, Analysis of increased rate of reading of college students, J. Develop. Reading, 64. Address: Dept. of Psychology, Winthrop College, Rock Hill, S.C. 29730.

LA FOLLETTE, PROF. ROBERT (RUSSELL), Soc. Sci, see 10th ed, Soc. & Behav. Vols, deceased 67.

LA FON, DR. FRED E(ARL), Psychol, see 10th ed, Soc. & Behav. Vols.

LAFORE, PROF. LAURENCE, Mod. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LAForge, PROF. (GENE) ROLFE, b. Seattle, Wash, Oct. 15, 20; m; c. 4. PSYCHOLOGY, STATISTICS. A.B. California, 42, Ph.D.(psychol), 52; B.S. Calif. Inst. Tech, 43. Asst. statist, Nat. Defense Res. Cmt. proj, Calif. Inst. Tech, 43-44; psychol, California, 46-50; res. psychologist, Univ. California & Kaiser Found. Hosp, 50-54; soc. psychologist, U.S. Air Force Personnel & Training Res. Center, 54-56; res. psychologist, cross cultural res. group, Rice Inst, Cairo & Rome, 56-57; res. asst. prof, PSYCHOL, Illinois, 57-61; res. assoc. Ore. Res. Inst, 61-64, assoc. prof, PORTLAND, 64-67, PROF. 67- U.S. Pub. Health Serv. res. fel, 53-55; vis. assoc. prof, Oregon, 62-64; res. consult, Field Study Neighborhood Family Care Syst, Portland, Ore, 67- Summers, asst. test construct. proj, Sacramento Off, State Personnel Bd, Calif, 46, Lane County Youth Proj, Eugene, Ore, 64. U.S.N. 44-46. AAAS; Psychol. Assn; Statist. Assn. Statistical inference applied to social science; methodology in personality assessment; test construction; psychometric theory; research on higher education; mathematical models of social theory; research on human problems and psychotherapy. Publ: Co-auth, Interpersonal dimension of personality III an interpersonal checklist, J. Personality, 55; auth, Components of reliability, Psychometrika, 65; A primer for multivariate inference, Defense Documentation Inst, 66. Address: 488 E. 11th Ave, Eugene, Ore. 97210.

LA GAIPA, DR. JOHN J(AMES), b. Rochester, N.Y., Apr. 10, 26; m. 51; c. 1. PERSONNEL PSYCHOLOGY. B.A. Hobart Col, 49; M.A. Michigan, 51; Ph.D.(psychol), American Univ, 57. Res. psychologist, U.S. Naval Personnel Res. Activity, Wash, D.C. 57-60, superv. res. psychologist, 60-62; tech. consult. & psychol. adv. commun. studies group, U.S. Air Force, 62-66; ASST. PROF. PSYCHOL, NORTHEAST LA. STATE COL, 66- Prog. dir, Grant Conferences on Youth Opportunities, 67-68. U.S.N. 44-46. Psychol. Assn. Evaluation of teaching machines; personnel measurement, selection and evaluation; development and validation of psychological tests; relationship between humor and personality; communications; social perception; job attitudes. Address: 54 Oakwood Dr, Monroe, La. 71201.

LAGASSE, JEAN H(ENRI), Sociol, see 10th ed, Soc. & Behav. Vols.

LAGERSTROM, DR. RICHARD P(ERRY), Elec. Eng, see 11th ed, Phys. & Biol. Vols.

LAGEY, DR. JOSEPH C, b. Lowell, Mass, June 27, 13; m. 50; c. 2. SOCIOLOGY. B.Ed, Boston, 42; Ph.D. Chicago, 54. Instr. sociol, Minnesota, 49-50; Wisconsin, 50-53; asst. prof, Pa. State, 53-55; dir. ment. health proj, State Dept. Welfare, Minn, 56-59; dir. res. soc. welfare, Vancouver Community Chest & Coun, 59-63; chief prog. res. welfare res. Dept. Health, Ed. & Welfare, Wash, D.C. 63-65; ASSOC. PROF. RES. SCH. GRAD. SOC. WORK, N.Y. UNIV, 65- Res. consult, Rockland State Hosp, N.Y. 55; East Harlem Tenants Coun, New York, 66; Head Staff, 87-; Econ. Opportunity Act, 68- U.S.A.A.F. 42-45, Sgt. Sociol. Soc. Public health and social welfare. Publ: Checklist survey of multiproblem families in Vancouver; Ecology of small city and rural hinterland delinquency, Rural Sociol; Social factors in attitude change, Sociol. & Social Res. Address: 14 Central Ave, Rye, N.Y. 10580.

LAGO, DR. ARMANDO MANUEL, b. Havana, Cuba, Jan. 4, 39; U.S. citizen; m. 61; c. 2. ECONOMICS. B.B.A. Puerto Rico, 61; univ. & Brookings fells, Harvard, 63-65, M.A. 64, Ph.D.(econ), 67. Jr. economist, UN econ. Cmn. Latin Am, 59-60; res. asst. econ. econ. res. proj, Harvard, 61, res. assoc. transport econ, transportation center, 64-65; economist, Stanford Res. Inst,

65-66; MEM. SR. STAFF, OPERS. RES. INC, 66- Lectr, Catholic Univ, 67- Econ. Assn; Economet. Soc. Transportation and urban economics; economic development; econometrics. Publ: Co-auth, Improvement program for the Alaska Highway: an analysis of economic benefits, Queen's Printer, Can, 66 & Projection of applications and national benefits of a new rapid excavation technology, Opers. Res. Inc, 67; auth, Cost functions and optimum technology for intercity highway transportation systems in developing countries, Traffic Quart, 10/68. Address: Operations Research Inc, 1400 Spring St, Silver Spring, Md. 20910.

LAGOUDAKIS, CHARILAOS GREGORY, b. Crete, Greece, Mar. 30, 00; U.S. citizen; m. 33; c. 1. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.S. Springfield Col, 25; M.A. Clark, 26, fel, 26-28; summer, Harvard, 27; Columbia, 39; For. Serv. Inst, 50. Head dept. hist, Athens Col, Greece, 30-40; regional specialist Balkans, Off. War Info, 40-46; FOR. AFFAIRS SPECIALIST, U.S. DEPT. STATE, 46-, commendable serv. award, 62. Lectr, For. Serv. Inst. & Nat. War Col, 50- Consult, Allied Mission Observe Greek Elections, 46. Polit. Sci. Assn; Hist. Assn. Greek American relations; the Communist insurgency in Greece and the Greek insurgency in Cyprus. Publ: Greece (1946-49) & Cyprus (1954-58), American Univ, 67. Address: 3606 Kanawha St. N.W. Washington, D.C. 20015.

LaGRONE, PROF. CYRUS W(ILSON), b. Paint Rock, Tex, Jan. 8, 11; m. 51. PSYCHOLOGY. B.A. East Texas State, 30; M.A. Texas, 32, Ph.D.(psychol), 42. Instr. psychol, Lee Jr. Col, 34-40; Texas, 40-42; asst. prof. ed. psychol, Southern California, 46-47; PROF. PSYCHOL, TEXAS CHRISTIAN, 47-, chmn. dept, 47-66. Ford fel. & vis. scholar, Columbia, 51-52. Dipl. Am. Ed. Exam. Prinl. Psychol. U.S.A. 42-46, Maj. Fel. Psychol. Assn. Psychodynamics and psychotherapy. Address: Box 29880 A, Texas Christian University, Ft. Worth, Tex. 76129.

LAHNE, DR. HERBERT J(AY), b. New York, N.Y., Jan. 13, 14; m. 37; c. 3. ECONOMICS. B.B.A. City Col. New York, 36; M.A. Columbia, 37, Soc. Sci. Res. Coun. fel, 38-39, Ph.D. 44. Res. investigator, State Dept. Labor, N.Y., 39-41; field exam, Nat. Labor Rel. Bd, 41-45, from indust. analyst to chief analyst, 47-51, 53-58; res. assoc. Hopkins, 45-47; dir. off. case anal, Wage Stabilization Bd, 52-53; int. labor economist, int. coop. admin, 58-59; DIR, DIV. RES. LABOR MGT. POLICY DEVELOP. U.S. DEPT. LABOR, 59- Vis. prof, Illinois, 63. Indust. Rel. Res. Assn. Industrial relations; collective bargaining; union structure. Publ: The cotton mill worker; Shop society and the union, Indust. & Labor Rel. Rev; The local union: a regulatory problem, Labor Law J. Address: 307 Cavalier Court, Silver Spring, Md. 20901.

LAIDIG, PROF. KERMIT M(cLELLAN), b. Mowersville, Pa, Jan. 11, 22; m. 49; c. 2. GEOGRAPHY. B.S. Pa. State Teachers Col.(Shippensburg), 43; M.A. Nebraska, 47, Ph.D. 55. Instr. geog, Nebr. State Teachers Col. (Kearney), 47-48; vis. instr, Oklahoma, 50; cartographer & team chief, Sci. Land Utilization Prog, P.R. 50-51; asst. prof. GEOG, ILLINOIS STATE, 55-57, assoc. prof, 57-63, PROF. 63- Field reader, U.S. Off. Ed, 65- U.S.A., 42-45. Am. Geog. Soc; Nat. Coun. Geog. Ed. Economic geography; teaching of geography; tropical subsistence agriculture. Publ: Co-auth, A handbook for geography teachers, Nat. Coun. Geog. Ed, 66, Living together in our United Nations & United Nations and geography teaching. Address: Dept. of Geography, Illinois State University, Normal, Ill. 61761.

LAIDLER, DR. HARRY W(ELLINGTON), b. Brooklyn, N.Y., Feb. 18, 84. ECONOMICS. A.B. Wesleyan, 07, hon. A.M. 33; LL.B. St. Lawrence, 10; Ph.D. Columbia, 14. Exec. dir, LEAGUE INDUST. DEMOCRACY, 21-57, EMER. EXEC. DIR, 57- Lectr, N.Y. Univ, 42; Brooklyn Col, 43-44; City Col. New York, 42-45; dir, Nat. Bur. Econ. Res, 21-, v-pres, 28, pres, 30-32, 48-50, chmn. bd, 32-34. Ed. Intercollegiate Socialist, 13-19; Socialist Rev, 19-21. Mem. bd, Nat. Housing Conf, 31-63, hon. mem, 63-; chmn. econ. cmt. Nat. Adv. Coun. Radio in Ed, 33-36; mem, N.Y. City Coun, 40-41. Econ. Assn. Labor; socialism; public and cooperative enterprise; history league for industrial democracy, 1905-. Publ: Co-auth, What do you know about labor? Problems of modern America, 36 & History of socialism, 68, Crowell. Address: 292 Garfield Place, Brooklyn, N.Y. 11215.

LAIME, DR. RALPH D. B(EN), b. Woonsocket, R.I., Aug. 12, 34; m. 61. POLITICAL SCIENCE. A.B. Miami (Ohio), 60; M.A. Washington (St. Louis), 65; Ph.D.(polit. sci), Maryland, 68. Reporter state staff, Journal, Providence, R.I. 60-61; news ed, Assoc. Press, Chicago & St. Louis, 62-64; info. writer soc. sci, Washington, (St. Louis), 64-65; instr. pub. admin, Maryland, 65-67; CHIEF SPEC. PROJ.S, MARYLAND NAT. CAPITAL PARK & PLANNING CMN, 68- Fel, Wash. Center Metrop. Studies, 67-68. U.S.M.C., 54-57, Sgt. Social science research. Address: 2519 Easton St, S.E., Washington, D.C. 20031.

LAING, DR. GORDON WAYNE, b. Seattle, Wash, May 13, 37. SOCIAL PSYCHOLOGY. B.Sc, Washington (Seattle), 58; M.A. Michigan, 61, Ph.D.(soc. psychol), 68. Lectr. SOCIOL, Michigan, 63-64; ASST. PROF, MCGILL, 64- Sociol. Assn. Interpersonal relations; small groups; ethnic attitudes. Publ: Co-auth, Group interaction and perceived similarity of members, J. Abnorm. & Soc. Psychol, 60. Address: Dept. of Sociology, McGill University, Montreal, Que, Can.

LAING, PROF. JAMES T(AMPLIN), b. Montgomery, W.Va, Aug. 26, 99; m. 27; c. 1. SOCIOLOGY. A.B. West Virginia, 24; A.M. Ohio State, 29, Ph.D. 33. Prof. sociol. & econ. & head dept, Holbrook Col, 33-34; assoc. prof. SOCIOLOG. & head dept, W.Va. Inst. Tech, 34-35; assoc. prof. KENT STATE, 35-37, PROF, 37-, head dept. sociol, 37-59, sociol. & anthropol, 59-67. Sabbatical, spring & summer 68. U.S.N.R. 18. Sociol. Assn. Race relations; internal migration; social organization. Publ: Folkways of regional sociological societies; Negro miner in West Virginia; Social status among migrant Negroes. Address: Dept. of Sociology & Anthropology, Kent State University, Kent, Ohio 44240.

LAING, PROF. LIONEL H(ASELL), b. Nelson, B.C., Feb. 15, 05; nat. POLITICAL SCIENCE, INTERNATIONAL LAW. B.A. British Columbia, 29; M.A. Clark, 30; M.A. Harvard, 34, Ph.D. 35. Asst. prof. govt. Col. of William & Mary, 35-42; from asst. prof. to PROF. POLIT. SCI, MICHIGAN,

- 42- International law; admiralty law; commonwealth and comparative governments. Publ: Ed, Source book in European governments; co-auth, British election studies; co-ed, Canada and the law of nations. Address: Dept. of Political Science, University of Michigan, Ann Arbor, Mich. 48104.
- LAIR, DR. CHARLES V (ASCA), b. Carthage, Mo, Feb. 9, 21. PSYCHOLOGY. B.A., Kansas City, 50, fel, 50-51, M.A. 51; fel, Vanderbilt, 51-52, Ph.D. (psychol), 54. Clin. psychol. trainee, Vet. Admin, 52-54, clin. psychologist, Vet. Admin. Hosp, Tuscaloosa, Ala, 54-57, Augusta, Ga, 57, Fayetteville, Ark, 58-61, chief psychologist, Knoxville, 61-64; asst. prof. PSYCHOL, St. Louis, 64-66; ASSOC. PROF, AUBURN, 66- Consult, Vet. Admin. Hosp, Tuskegee, Ala, 66- Fel. Geront. Soc; Psychol. Asn. Gerontology; learning; clinical psychology. Publ: Group recreation and psychotherapy program for hospitalized geriatric patients, Geriatrics; co-auth, R-S (backward) paired-associate learning in older subjects, J. Geront, 65; R-S (backward) paired-associate learning in brain damaged and normal subjects, Psychonomic Sci, 66. Address: Dept. of Psychology, Auburn University, Auburn, Ala. 36830.
- LAIR, PROF. WINIFRED SCOTT, b. Camas, Wash, Aug. 12, 14; m. 45. CLINICAL PSYCHOLOGY. B.A., Occidental Col, 38; Ed.M., Harvard, 48, Ed.D., 49. Teacher & librn, high sch, Calif, 39-43; lectr, grad. sch. ed, Harvard, 49; psychologist, pub. schs, Ohio, 50-52; dir, Welcome House, Florence Crittenton League, Mass, 52-53; PROF. PSYCHOL, LESLEY COL, 53-Summer consult, Off. Econ. Opportunity, 66. W.A.V.E.S., 43-46, Lt.(jg). Psychol. Asn. Clinical psychology. Publ: Identification and the mother-child relationship, Peabody J. Ed. Address: Dept. of Psychology, Lesley College, Cambridge, Mass. 02138.
- LAIRD, ANGUS M (KENZIE), b. Opp, Ala, Oct. 9, 03. SOCIAL STUDIES. A.B., Florida, 27, A.M. 28; Syracuse, 28-29; Chicago, 30-31. Asst. & acting dir, exten. div, Denver, 31-37; asst. prof. soc. sci, Florida, 37-41, assoc. prof. polit. sci, 41-46; supvr, State Merit Syst, Fla, 41-53, dir, 53-61; ED. & WRITER, 61- Sr. partner, Carter, Laird & Wyke; pres, Ponce de Leon of Tallahassee, Inc, 62-; Fla. Wildflowers, Inc, 64-; v-pres, Munic. Code Corp, 66- Hon. mem. Pub. Personnel Assn. Florida public administration; growing of native trees and flowers of Florida. Publ: Co-auth, Florida government and administration. Address: 507 Plantation Rd, Tallahassee, Fla. 32302.
- LAIRD, PROF. DOROTHY C (AREL), b. Cape Girardeau, Mo, Feb. 2, 13; m. 47; c. 3. PSYCHOLOGY, EDUCATION. A.B., Kentucky, 34; M.Ed., Florida, 45, Ed.D. (psychol), ed, 55. Teacher, pub. sch, Fla, 35-39 & 42-44; instr. Eng. & psychol, Palm Beach Jr. Col, 45-47; demonstration teacher, P.K. Yonge Lab. Sch, 44-45; instr. found. ed, Florida, 47-51, asst. prof. psychol. found, 51-56, assoc. prof, 56-63, med. sch, 57-59; PROF. ED, FLORIDA ATLANTIC, 63-, CHMN. FOUNDATIONS, 68-, chmn. guid. & spec. ed, 64-68. Consult, Head Start, 66. Psychol. Asn; Nat. Coun. Measurement; Personnel & Guid. Asn. Personality; child development; intelligence; teacher education, especially programmed instruction via TV. Publ: Pineville high meets the challenge, Roddy the rat, Jack's secret & Unexpected gift, Univ. Florida & Fla. State Bd. Health, series, 46-48; A perceptual approach to the safety of school children, J. Sch. Health, 56; Performance of two groups of 11 year old boys on Wechsler intelligence scale for children, J. Ed. Res, 57. Address: 400 N.W. 11th St, Boca Raton, Fla. 33432.
- LAIRD, DR. JAMES D, b. New York, N.Y., Oct. 11, 37; m. 60; c. 3. PSYCHOLOGY. B.A., Middlebury Col, 62; Ph.D. (psychol), Rochester, 67. ASST. PROF. PSYCHOL, CLARK, 66- Psychol. Asn. Emotional processes; cognitive structure and social attitudes; community psychology. Address: Dept. of Psychology, Clark University, Worcester, Mass. 01610.
- LAIRD, DR. JAMES TYLER, b. Montpelier, Vt, Nov. 21, 23; m. 50; c. 1. CLINICAL PSYCHOLOGY. A.B., Colgate, 49; M.A., McGill, 52; M.A., New Sch. Soc. Res, 56; Ph.D., Ottawa, 60. Intern psychol, Cath. Charities Guid. Inst, N.Y., 55; supvr. psychol. serv, State Dept. Voc. Rehab, W.Va, 56-57; clin. psychologist, Spencer State Hosp, 57-60; co-administr, Wood County Guid. Clin, 60; chief clin. psychologist, Willmar State Hosp, 61-66; DIR, NORTH. PINES MENT. HEALTH CENTER, INC, 66- Asst. prof, St. John's (Minn), 67- Consult, Lutheran Welfare Soc, 62. Mem. Governor's Cmt. Handicapped, W.Va, 57. Psychol. Asn. Philosophy; percepto-diagnostic test to distinguish between personality disorders and brain damage and primary and secondary reading disorders in children. Publ: Emotional disturbances among physically handicapped, Am. Personnel & Guid. J.; Sex drawn first among male alcoholics, normals and psychiatric patients, J. Clin. Psychol; Minnesota percepto-diagnostic test, J. Clin. Psychol, 62. Address: P.O. Box 14, Little Falls, Minn. 56345.
- LAIRD, PROF. NOEL P (OTTER), b. Clarendon, Va, Oct. 1, 98; m. 30; c. 1. ECONOMICS, BUSINESS ADMINISTRATION. B.B.A., Boston, 22, M.B.A., 29; B.S., Temple, 23, A.M., Pennsylvania, 27; Ed.D., Rutgers, 28. From instr. to prof. ECON. & BUS. ADMIN, FRANKLIN & MARSHALL COL, 25-64, EMER. PROF, 64-; PROF. BUS. ADMIN, YORK COL (PA), 64- U.S.A., 18-19, 43-46, Lt. Col. AAAS; Econ. Asn; Mkt. Asn; Acad. Polit. & Soc. Sci. Marketing research; consumer motivation; public relations; publicity; propaganda. Address: Dept. of Business Administration, Franklin & Marshall College, Lancaster, Pa. 17604.
- LAIRD, PROF. ROY D (EAN), b. Blue Hills, Nebr, July 15, 25; m. 46; c. 3. POLITICAL SCIENCE. B.A., Hastings Col, 47; M.A., Nebraska, 52; Glasgow, 52-53; fel. & Ph.D. (polit. sci., Soviet govt, polit), Washington (Seattle), 56. Asst, Nebraska, 52; res. anal, U.S. Govt, 56-57; asst. prof. POLIT. SCI, KANSAS, 57-63, assoc. prof, 63-66, PROF, 66-, ACTING DIR. NAT. DEFENSE ED. ACT SLAVIC & SOVIET AREA CENTER, 67- Rockefeller Found. res. fel, 64-65; Nat. Sci. Found. res. grant, 66-67; Nat. Defense Ed. Act Hays-Fulbright res. fel, 67. Summers, res. assoc, Washington (Seattle), 56, Elizabeth Watkins res. fel, 60. Consult, American Univ, 59-60; Midwest Res. Found, 67-68. Chmn, Continuing Conf. Soviet Agr. & Peasant Affairs, 62-64, mem. bd, 62- U.S.N., 44-46. Polit. Sci. Asn; Asn. Adv. Studies; Acad. Polit. & Soc. Sci. Soviet government and politics, especially problems of agriculture and the peasantry; problems of the worlds peasantries as related to communism. Publ: Collective farming in Russia; Rise and fall of the M.T.S. as an instrument of Soviet Rule: auth. & ed, Soviet agricultural and peasant affairs, Univ. Kansas, 64. Address: Dept. of Political Science, University of Kansas, Lawrence, Kans. 66044.
- LAIRD, STANLEY W (ESLEY), b. Athens, Ala, June 29, 19; m. 40; c. 3. STATISTICS. A.B., George Washington, 47. Asst. dir, State Bur. Vital Statist, Ala, 47-49; surv. statistician, U.S. Pub. Health Serv, 49-51; math. statistician, prod. div, U.S. Labor Dept, 51-52; ASST. DIR. MED. STATIST. DIV, BUR. MED. & SURG, U.S. DEPT. NAVY, 53- Lectr, naval med. sch, Nat. Naval Med. Center, 54-56. U.S.A.A.F., 42-46. Statist. Asn; Pub. Health Asn. Statistical analysis; survey; statistics in health and medicine. Address: 1019 Poplar Dr, Falls Church, Va. 22046.
- LAIRD, DR. WILLIAM EVERETTE, JR, b. Hattiesburg, Miss, Feb. 4, 34; m. 64; c. 1. ECONOMICS. B.S., Stetson, 56; M.A., George Washington, 58; Ph.D. (econ), Virginia, 62. Asst. prof. ECON, FLA. STATE, 60-66, ASSOC. PROF, 66- Summer Fla. State Grad. Res. Coun. award, 65-66. Econ. Asn. Impact of local industrial subsidies on economic development; economic development of the South; debt management; financing of education; international trade and finance; economic functions of the state. Publ: Changing views on debt management, Quart. Rev. Econ. & Bus, autumn 63; co-auth, Exogenous checks on Southern economic development, S. Atlantic Quart, autumn 66; Neglected aspects of industrial subsidy, Land Econ, 2/67. Address: Dept. of Economics, Florida State University, Tallahassee, Fla. 32306.
- LAITIN, DR. HOWARD, b. New York, N.Y., Nov. 18, 31. ECONOMICS. A.B., Brooklyn Col, 52; A.M., Harvard, 53, Thayer scholar, 53-54, Am. Cancer Soc. & univ. grant, 53-55, Ph.D., 56. Nat. field rep, Am. Red Cross, 51; dep. dir. training & info, Police Emergency Div, 51-52; med. economist, Hosp. Coun. Greater N.Y., 54-56; dir. res, Michael Saphier Assoc, 56; proj. dir. nuclear warfare proj, med. serv, U.S. Dept. Army, 57-58; economist, Rand Corp, 59-62, sr. scientist, HUGHES AIRCRAFT CO, 62-64, MGR. SYSTS. ANAL, 64- Assoc. clin. prof, sch. pub. health, California, Los Angeles, 61-; prof, sch. eng, Southern California, 66- Consult, Southwest Found; U.S. Army; Bur. Budget; U.S. Treas; Dept. Health, Ed. & Welfare; Inst. Defense Analyses; Rand Corp; Hudson Inst. Med. Serv. C, 56-59, Res, 59-, Maj. Econ. Asn; Statist. Asn; Inst. Mgt. Sci. Business organization and control; health and medicine; computer applications; scientific administration. Address: 4916 White Court, Torrance, Calif. 90503.
- LAKE, PROF. WILFRED S (TANLEY), b. Hillsburgh, Ont, Sept. 7, 02; U.S. citizen; m. 29; c. 2. ECONOMICS. A.B., Hiram Col, 24; A.M., Harvard, 28, Ph.D., 32. Teacher, high sch, Ohio, 24-25; instr. ECON, NORTHEASTERN, 26-29, asst. prof, 29-32, assoc. prof, 32-35, PROF, 35-, instr, 35-39, dean col. lib. arts, 39-68. Econ. Asn; Am. Acad. Arts & Sci. Massachusetts banking history. Publ: End of the Suffolk system; contrib, Housing preferences and social patterns, In: Social and psychological aspects of aging, Columbia, 62. Address: College of Liberal Arts, Northeastern University, Boston, Mass. 02115.
- LAKIN, DR. MARTIN, b. Chicago, Ill, June 5, 25; m. 44; c. 2. PSYCHOLOGY. A.B., Hebrew Univ, 50; U.S. Pub. Health Serv. fel, Chicago, 53-55, Ph.D., 55. Clin. instr. psychiat, col. med, Illinois, 55-58; asst. prof. PSYCHOL. & PSYCHIAT, DUKE, 58-62, ASSOC. PROF. MED. CENTER & UNIV, 62- U.S. Pub. Health Serv. res. fel, 55-56; assoc. med. sch, Northwestern, 56-58; asst. chief, Vet. Admin. Res. Hosp, Chicago, Ill, 56-58; fel, Nat. Training Labs. Consult, Orthodox Jewish Home Aged, Chicago, 54-58 & Drexel Home Aged, Chicago, 55-58; regional consult, Vet. Admin. & Vet. Admin. Hosp, Durham, N.C., 58- U.S.A.A.F., 43-45. Psychol. Asn. Group and individual psychotherapy; research in training in group dynamics and group sensitivity training. Publ: Personality factors in mothers of excessively crying (colicky) infants, Soc. Res. Child Develop; co-auth, Therapy group promotes an hypothesis of psychogenesis: a study in group process, Int. J. Group Psychother; Method of studying group interactions among middle-aged and retiring workers, J. Geront. Address: Dept. of Psychology & Psychiatry, Duke University Medical Center, Box 3003, Durham, N.C. 27706.
- LAKIN, WILFORD P (ORTER), Chem. Eng, see 11th ed, Phys. & Biol. Vols.
- LAKOFF, PROF. SANFORD ALLAN, b. Bayonne, N.J., May 12, 31; m. 61. POLITICAL SCIENCE. Fel, Harvard, 54-56, M.A., 55, Ph.D., 59. Instr. govt, Harvard, 58-61, asst. prof, 61-65; assoc. prof. POLIT. SCI, State Univ. N.Y. Stony Brook, 65-66, prof, 66-67; vis. prof, TORONTO, 67-68, PROF, 68- Howard Found. fel, Brown, 63-64. AAAS; Polit. Sci. Asn. Relations of science and government; history of western political thought. Publ: Co-auth, Science and the nation: policy and politics; auth, Equality in political philosophy, Harvard, 64; ed, Knowledge and power: essays in science and government, Macmillan, 66. Address: Dept. of Political Economy, University of Toronto, 100 St. George St, Toronto 5, Ont, Can.
- LAL, DR. GOBIND BEHARI, b. Delhi, India, Oct. 9, 89. SOCIAL PSYCHOLOGY. B.A., Pujab Univ, India, 07; M.A., 08; scholar, California, 13-17, Ph.D. (soc. psychol), 16. Assoc. prof. physics, Hindu Col, India, 10-12; features writer sci, Exam, Calif, 25-30; SCI. ED, UNIVERSAL SERV, INT. NEWS SERV, 30-; AM. WEEKLY, 47-; HEARST NEWSPAPERS, 30-55, EMER. SCI. ED, 55- Watumull fel, Columbia, 47-48; Guggenheim fel, 55-56. Pulitzer prize, 37; distinguished serv. citation, Am. Med. Asn, 58; Watumull Found. award, 67. U.S.A., 17-18. Asn. Sci. Writers (pres, 41). Address: 640 Mason St, San Francisco, Calif. 94108.
- LAL, DR. K (RISHAN), b. Delhi, India, Feb. 19, 34. ECONOMICS. B.A., Delhi, 53, M.A., 55; Dr. disc. pol, Göttingen, 60. German Res. Asn. fel, ECON, London Sch. Econ, 60-61 & Munich, 61-62; res. fel, Study Group Sci & Politics, Munich, 63; ASST. PROF, SASKATCHEWAN, 63- Summer res. fel, Queen's (Ont), 64. Am. Econ. Asn; Asn. Comp. Econ; Royal Econ. Soc. Growth theory; applied economics. Publ: Die Agrarpolitik Indiens, Duncker & Humblot, Berlin, 67. Address: Dept. of Economics, University of Saskatchewan, Saskatoon, Sask, Can.
- LALL, DR. AMRIT, b. Lahore, W. Pakistan, Nov. 11, 27; m. 59; c. 2. POPULATION & URBAN GEOGRAPHY. B.A., Panjab, India, 48, M.A., 50; Ph.D.

(geog), Indiana, 58. Lectr. GEOG, Govt. Col. Muktsar & Ludhiana, India, 51-55, 58; asst. prof, Panjab, 59-62; assoc. prof, Delhi, 62-66; asst. prof, Wis. State, Oshkosh, 66-67; ASSOC. PROF. WINDSOR, 67- Asn. Am. Geog; Asn. Indian Geog. Study of urbanization process in India and characteristics of large cities. Publ: Co-auth, Dimensions of geography, Library Herald, Delhi, 64; auth, Age and sex structure of India's cities, Geog. Rev. India, 62; co-auth, Service centers in the Western Himalayas, J. Trop. Geog, 67. Address: Dept. of Geography, University of Windsor, Windsor, Ont, Can.

LALLI, DR. MICHAEL, b. Norristown, Pa, Mar. 27, 15. SOCIOLOGY. A.B., Pa. State, 37; M.A., Pennsylvania, 49, Ph.D. 58. Instr. SOCIOL, Pennsylvania, 52-58; asst. prof, TEMPLE, 58-67, ASSOC. PROF. 67- U.S.A.A.F., 39-45. AAAS; Sociol. Asn; Pop. Asn. Am. Group relations and class structure; methodology; medical sociology; population. Address: Blue Bell Rd, Blue Bell, Pa. 19422.

LA LONDE, DR. BERNARD J, b. Detroit, Mich, June 3, 33; m. 58; c. 3. MARKETING, ECONOMICS. A.B. Notre Dame, 55; M.B.A. Detroit, 57; Gen. Elec. fel, Mich. State, 60-61, Ph.D. (mkt), 61. Asst. instr. MKT, Mich. State, 57-61; asst. prof, Colorado, 61-63, assoc. prof, 63-65; MICH. STATE, 65-68; PROF, 68- Mkt. Asn; Regional Sci. Asn. Logistics with specific applications to the food industry; patterns of consumer spending. Publ: Differentials in supermarket drawing power, Mich. State Univ, 62; co-auth, Physical distribution, Dartnell, 67 & Physical distribution management: logistics problems of the firm, Macmillan, 68. Address: 1003 Blanchette Dr, East Lansing, Mich. 48823.

LAM, DR. CHARLOTTE, b. Mexia, Tex, June 17, 24; m. c. 3. PSYCHOLOGY, EDUCATION. B.S. Oklahoma, 56, Ph.D. (reading psychol), 67; M.T. Southeast. State Col, 61. Teacher, high sch, Okla, 56-61; instr. Eng, Cameron Jr. Col, 61-64; asst. reading ed, Oklahoma, 64-66; ed, Econ. Col, 66-67; ASSOC. PROF, ED. & PSYCHOL, SOUTHWEST STATE COL. (OKLA), 67- Reading methods; art in state adopted reading textbooks. Address: 1323 Meadow Lane, Apt. 1, Weatherford, Okla. 73096.

La MACCHIA, FRANK (RICHARD), b. New York, N.Y., Apr. 1, 22; m. 43; c. 4. ECONOMICS. B.A. George Washington, 45; American Univ, 46-48. Econ. res. specialist on Africa, U.S. DEPT. STATE, 48-52, consul Salisbury, for. serv. South. Rhodesia, 52-53, int. economist, 54-56, consul, Nairobi, Kenya, 56-60, chief private investment br, 60-66, SUPVR. ECON. OFF. BUR. NEAR EAST & S-ASIAN AFFAIRS, BAGHDAD, IRAQ, 66- U.S.N.R., 42-45, Lt. (jg). Fel. African Studies Asn. International and labor economics; economic development. Publ: African economies, basic characteristics and prospects, Ann. Am. Acad. Polit. & Soc. Sci. Address: American Embassy, Mansur St, Baghdad, Iraq.

LAMALE, HELEN HUMES, b. O'Hara Twp, Pa, Apr. 6, 12; m. 54. ECONOMICS. A.B. Col. Wooster, 34; M.A., Pittsburgh, 41. Economist, off. prices & living conditions, BUR. LABOR STATIST, U.S. DEPT. LABOR, 42-45, chief rent sect, 45-47, regional price economist, Boston Region, 47-48, asst. chief, cost living br, 49-53, from consumption analyst to chief consumption studies br, 53-62, CHIEF DIV. LIVING CONDITIONS STUDIES, BUR. LABOR STATIST, 62- Distinguished serv. award, U.S. Dept. Labor, 65. Fel. Statist. Asn; Pop. Asn; Geront. Soc; Acad. Polit. & Soc. Sci. Consumer expenditures; family budgets; housing. Publ: Methodology of the survey of consumer expenditures in 1950; Clothing and personal care, In: America's needs and resources; Changes in concept of income adequacy over the past century, Am. Econ. Rev, 5/58. Address: 4907-46th St. N.W., Washington, D.C. 20016.

LaMALFA, DR. JOACHIM J, b. Milwaukee, Wis, Aug. 10, 15; m. 44; c. 2. PSYCHOLOGY. B.S. Marquette, 38; M.S., Wisconsin, 41; Ph.D. (ed. psychol), Michigan, 49. Res. asst, bur. ed. reference & res, Michigan, 45-47; consult. psychologist, speech & hearing lab, sch. speech, Marquette, 47-51, instr. psychol, 47-50, asst. prof, 50-51; head psychol. dept, ST. MICHAEL HOSP, 52-59, PSYCHOLOGIST, 59- Private practice, 49- Intern & resident, clin. psychol, Milwaukee County Hosp. Ment. Diseases, 47-49. Psychol. Asn; Soc. Group Psychother. & Psychodrama. Psychotherapy; marriage counseling; diagnostic testing. Publ: Co-auth, Psychosis with cerebral arteriosclerosis as affected by adrenal cortical extract. Address: 161 W. Wisconsin Ave, Milwaukee, Wis. 53203.

LAMANNA, DR. RICHARD A (NTHONY), b. Little Falls, N.Y., Feb. 10, 33; m. 61; c. 2. SOCIOLOGY. B.S. Fordham, 54, Vatterott fel, 57-58, Woodrow Wilson Fund fel, 59-60, M.A., 61; Ph.D. (sociol), North Carolina, Chapel Hill, 65. Claims rep, bur. old-age & survivors ins, U.S. Dept. Health, Ed. & Welfare, 54-55; instr. SOCIOL, Duke, 63-64; asst. prof, NOTRE DAME, 64-68, ASSOC. PROF. 68- grant, West. European Studies Prog, 67. Res. grant, eval. study of Off. Econ. Opportunity tutoring prog, 65-66. U.S.A.F. 55-57, Res. 57- Capt. Sociol. Asn; Pop. Asn. Am. Race relations; urban sociology and planning. Publ: Co-auth, Mexican-Americans in a Midwest metropolis: a study of East Chicago, Grad. Sch. Bus. Admin, Univ. California, 67; auth, Value consensus among urban residents, J. Am. Inst. Planners, 11/64; The Negro teacher and desegregation: a study of strategic decision-makers and their vested interests in different community contexts, Sociol. Inquiry, winter 65. Address: Dept. of Sociology, University of Notre Dame, Notre Dame, Ind. 46556.

LAMB, DR. FRANCIS O (SBORNE), b. Elkhart, Ind, Dec. 24, 11; m. 40; c. 1. PSYCHIATRY. A.B. Wabash Col, 33; M.D. Chicago, 38. Clin. asst. prof. psychiat, Chicago Med. Sch, 49-54; psychiat. consult, Twin Cities Child Guid. Clin, 53-61; CONSULT. PSYCHIATRIST, 61- Clin. asst. prof, col. med, Illinois, 54-55; asst. clin. prof. sch. med, Buffalo, 68- Chief residency training, State Hosp. N.Y. 68- Electroencephalog. consult, Ment. Health Centers, 49-53; psychiat. consult, Portal House Alcoholics, 51-54; Light-house for Blind, 54-55; Lake County Ment. Health Clin, 54-57; Glenwood Sch. for Boys, 54-59; Harvard Sch. Chicago, Munic. Courts Chicago & Chicago Bd. Ed, 63-64. Dipl. Am. Bd. Psychiat. & Neurol. Med.C, 42-46, Maj. Psychiat. Asn; Am. Med. Asn; Pan-Am. Med. Asn. Applications of ego psychology to clarify family structures and psychodynamics; occult, atypical brain injuries and epilepsies. Publ: Oedipus rescrutinized; The changeling kindred; Troy revisited. Address: 5481 S. Cornell Ave, Chicago, Ill. 60615.

LAMB, G(EOGE) A (NTHONY), b. Pocatello, Idaho, Apr. 3, 06; m. 32; c. 4. ECONOMICS. A.B. Portland, 29; Strathcona fel, Yale, 31-32, M.S. 32; Michigan, 32-33. Jr. agr. economist, U.S. Dept. Agr, 30-31, assoc. agr. economist, 34; statistician, Nat. Recovery Admin, 34-36; transportation economist, Interstate Commerce Cmn, 36-38; prin. economist, bituminous coal div, U.S. Dept. Interior, 38-40, chief econ. br, 40-43; asst. dir, U.S. Bur. Mines, 44-46; mgr. bus. surv. Consol. Coal Co, 46-61; dir. off. coal res, U.S. Dept. Interior, 61-63; dir. econ. studies, Consol. Coal Co, 63-67; ASST. TO PRES, UNIV. PORTLAND, 67- Consult, Nat. Defense Mediation Bd, 41; President's Mat. Policy Cmn, 51; Off. Price Stabilization, 51; President's Cabinet Cmt. Energy Resources, 54. Mem. Coal Mission, Gt. Brit, 44; U.S. del. Econ. Cmn. Europe Coal Cmt, Geneva, 59-60. Econ. Asn; Statist. Asn; Inst. Mining, Metall. & Petrol. Eng. Transportation and bituminous coal; bituminous coal rate structure. Address: University of Portland, Portland, Ore. 97203.

LAMB, DR. HOWARD E (RWIN), b. Santa Rosa, Calif, Aug. 2, 31; m. 57; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. San Francisco State Col, 53; M.A., Maryland, 60, Ed.D. (human develop), 62. Teacher pub. sch, 56-58; fel. human develop, inst. child study, Maryland, 58-60; ASST. PROF. ED. PSYCHOL, DELAWARE, 62-, ASSOC. DIR. ED. CONSULT. CENTER SCH. PER-SONNEL, 67- U.S. Off. Ed. res. grant, 64-66; Off. Econ. Opportunity res. grant, 66. U.S.A., 54-56, Sgt. Psychol. Asn; Ed. Res. Asn; Soc. Psychol. Study Social Issues; Nat. Coun. Measurement in Ed. Operational development of phenomenological approaches to self and role theories; human relations in small groups and organizations; multidisciplinary procedures in teacher training; school desegregation and integration strategies. Publ: Co-auth, Cultural arts, In: Educational specifications, Sch. Planning Lab, Univ. Tennessee, 64; Conceptual development and information-processing: a study of teachers, J. Ed. Res, 66; Development of self-other relationships during project head start, Off. Econ. Opportunity, 66. Address: 503 Cambridge Dr, Newark, Del. 19711.

LAMB, DR. KARL A (LLEN), b. Worland, Wyo, Jan. 24, 33; m. 59; c. 2. POLITICAL SCIENCE. B.A. Yale, 54; D.Phil. Oxford, 58. Instr. polit. sci, Michigan, 58-61, asst. prof, 61-63; GOVT, CALIFORNIA, SANTA CRUZ, 63-65, ASSOC. PROF, 65-, ASST. DEAN GRAD DIV, 66-, CHMN. BD. STUDIES GOVT, 67- Exec. secy, civil rights submt, Republican Nat. Convention, 60, faculty intern, 64-65. U.S.A.R., 54-58, Capt. Polit. Sci. Asn. Political parties; American political institutions; legislative process; local public opinion surveys; studies of the opinion policy process. Publ: Co-auth, Apportionment and representative institutions: the Michigan experience, Inst. Soc. Sci. Res, 62; Congress: politics and practice, Random, 63 and Campaign decision-making, Wadsworth, 68. Address: 215 Sheldon, Santa Cruz, Calif. 95060.

LAMB, PROF. MEVEN P, Phys. Anthropol, see 11th ed, Phys. & Biol. Vols.

LAMB, DR. SYDNEY M (AC DONALD), Ling, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

LAMB, PROF. W (ARD) RALPH, b. Hinton, Iowa, Apr. 22, 12; m. 35; c. 3. ECONOMICS, FINANCE. A.B. Macalester Col, 37; M.S. Denver, 43; Ph.D. (econ), Claremont Col, 60. Acct, Int. Trust Co, Colo, 37-43; res. analyst, Ill. Central R.R., 43-45; assoc. prof. ECON, Hastings Col, 45-52; lectr, Pomona Col, 52-53, Claremont Col, 52-53, asst. treas, 54-56; PROF, HASTINGS, 53-54, 56- Econ. Asn. Factors influencing the structural development of commercial banking in the United States; evaluation of the various forms of banking concentration and control and their effects on banking efficiency. Publ: Economic research: a tool for bank management, Bankers Monthly; Group banking: a form of banking concentration and control in the United States. Address: Dept. of Economics, Hastings College, Hastings, Nebr. 68901.

LAMBERG-KARLOVSKY, DR. CLIFFORD, b. Prague, Czech, Oct. 2, 37; U.S. citizen; m. 60; c. 2. ANTHROPOLOGY, ARCHAEOLOGY. A.B. Dartmouth Col, 59; M.A., Pennsylvania, 61, Wenner-Gren fel, 62-63, Ph.D. (anthrop), 65; Yale, 62. RES. ASSOC. ARCHAEOLOG. PEABODY MUS. & ASST. PROF. ANTHROPO, HARVARD, 65- Dir. archaeol. excavations, Southeast. Iran. Assoc. trustee, Am. Schs. Oriental Res, 66- Mem. bd, Am. Sch. Prehist. Res. & Baghdad Sch. Cmt, 67- Fel. Am. Anthropol. Asn; Archaeol. Inst. Am; fel. Brit. Prehist. Soc. The early periods of occupation, development of metallurgy, Neolithic origins and prehistoric trade relations in Asia. Publ: Ethnohistory of South China: an analysis of Han migrations, Bull. Ethnol. Academia Sinica, 62; Archaeological and metallurgical technology in prehistory of Afghanistan, India and Pakistan, Am. Anthropologist, 67; Selected aspects of archaeology 1964-1968, Annals, 68. Address: Peabody Museum, Harvard University, Cambridge, Mass. 02138.

LAMBERT, DR. A (SAEL) C (ARLYLE), b. Kamas, Utah, Mar. 9, 93; m. 14; 49; c. 6. ECONOMICS, PUBLIC FINANCE. B.S. & M.S. Brigham Young, 26; scholar & Ph.D. (ed. admin), Stanford, 35. Prof. ed. admin, Brigham Young, 30-50; dean admin, 36-50; bldg. planning & construct, CALIF. STATE COL. LOS ANGELES, 51-59, dean col, 59-63, EMER. DEAN, 63- Consult, State Dept. Ed, Utah, 30, 32, 35-48; res. dir, State Legis. Coun, 46-48; res. consult. to Governor, 37, 47. Public support of education; public welfare; capacity and utilization of college and university buildings. Publ: School transportation; Public education in Utah. Address: California State College at Los Angeles, 5151 State College Dr, Los Angeles, Calif. 90032.

LAMBERT, DR. B. GERALDINE, b. Booneville, Ark, Dec. 20, 22. PSYCHOLOGY. B.A. Okla. Col. Women, 48; M.Ed. Oklahoma, 58, Ph.D. (counseling), 66; John Hay fel, Williams Col, summer 64. Teacher, munic. schs, N.Mex, 48-61; pub. schs, Okla, 61-64, counselor, 64-66; ASST. PROF. PSYCHOL, SOUTHWESTERN LOUISIANA, 66- Voc. expert, bur. hearings & appeals, Soc. Security Admin, U.S. Dept. Health, Ed. & Welfare, 67- Psychol. Asn; Personnel & Guid. Asn. Psychology of vocations and parent-child relations in relationship to selection of occupations. Publ: Co-auth, Parent-child relations, research status, measurement and predictive value, Univ. Oklahoma Med. Sch, Monogr, 67. Address: P.O. Box 1571, University of Southwestern Louisiana, Lafayette, La. 70501.

- LAMBERT, DR. BERND, b. Frankfurt, Germany, Dec. 28, 32; U.S. citizen. ANTHROPOLOGY. A.B. California, Berkeley, 54, Ph.D. (anthrop), 63; Tri-Instr. Pac. Prog. grant, 59-61. Acting instr. ANTHROP, California, Berkeley, 62-63; ASST. PROF. CORNELL, 64- Mellon fel, Pittsburgh, 63-64. U.S.A. 54-56. Anthropol. Assn; Royal Anthropol. Inst. Gt. Brit. & Ireland; Int. African Inst; Ethnol. Soc; Polynesian Soc. Ethnology of Oceania, especially Micronesia; comparative social organization, especially kinship studies. Publ: Fosterage in the Northern Gilbert Islands, *Ethnology*, 7/64; Ambilineal descent groups in the Northern Gilbert Islands, *Am. Anthropologist*, 6/66; The economic activities of a Gilbertese chief, In: *Political anthropology*, Aldine, 66. Address: Dept. of Anthropology, Cornell University, Ithaca, N.Y. 14850.
- LAMBERT, DR. EUGENE WASON, JR, b. Taylor, Tex, Nov. 3, 30; m. 52; c. 4. FINANCE. B.S.B.A., Arkansas, 53; M.B.A., Texas, 57; Ph.D. (bus. admin), Alabama, 63. Lectr. finance, Texas, 57, asst. prof, 63-66; asst. cashier & asst. mgr. investment dept, Bank Southwest, Tex, 57-60; instr. FINANCE, Alabama, 60-63, asst. prof, 63; ASSOC. PROF., TENNESSEE, 66-Publ. award, Am. Risk & Ins. Assn, 66. U.S.A.F. 64-66, 1st Lt. Econ. Assn; Finance Assn; Inst. Chartered Financial Anal. Investment analysis; portfolio management. Publ: Co-auth, Supply and demand forces in the stock market, *West. Econ. J.*, winter 65, Impact of new multiple line underwriting on investment portfolios of property-liability insurers, *J. Risk & Ins.*, 6/66 & Portfolio management of property-liability companies, *Financial Analysts J.*, 9-10/67. Address: 673 Kenesaw Ave, Knoxville, Tenn. 37919.
- LAMBERT, DEAN J. WILFRED, b. Ryan, Va, Aug. 23, 06; m. 36; c. 2. PSYCHOLOGY. A.B. Col. William & Mary, 27; Hopkins, 27-29, 33-34. From instr. to PROF. PSYCHOL, COL. WILLIAM & MARY, 31-, DEAN STUDENTS, 46-, dean freshmen, 35-38, men, 38-46. U.S.N.R. 43-46, Lt. Address: Dept. of Psychology, College of William & Mary, Williamsburg, Va. 23185.
- LAMBERT, MARJORIE, b. Colorado Springs, Colo, June 13, 10; m. 50. ANTHROPOLOGY. B.A. Colo. Col, 30; fel. & M.A. New Mexico, 31. Instr. New Mexico, 32-36; field supvr, Univ. New Mexico & Sch. Am. Res, 34-37; preparator & res. assoc, Mus. N.Mex, 37-48; CURATOR ARCHAEOLOG. MUS. MEX. & SCH. AM. RES, 38-, EXHIB. ANTHROP, 60-; RES. ASSOC, SCH. AM. RES, 32- Curator, Palace of Gov, Mus. N.Mex, 55-60, div. res, 66- Anthropol. Assn; Soc. Am. Archaeol; Soc. Hist. Archaeol. North American archaeology; archaeology of Meso-America; southwestern American archaeology and ethnology; Latin American history. Publ: Paa-ko, an archaeological chronicle of an Indian village in north central New Mexico; co-auth, Survey and excavation of caves in Hidalgo Co, N.Mex, Sch. Am. Res, 65. Address: Box 59, 679 E. Garcia St, Santa Fe, N.Mex. 87501.
- LAMBERT, DR. NADINE M, b. Ephraim, Utah, Oct. 21, 26; m. 50; c. 1. EDUCATIONAL PSYCHOLOGY. A.B. California, Los Angeles, 48; M.A. Los Angeles State Col, 55; Ph.D. (psychol), Southern California, 65. Eng. draftsman, N.Am. Aviation, Inc, 44-52; teacher, Los Nietos Sch. Dist, 52-53; guid. consult, Bellflower Sch. Dist, 53-58; RES. CONSULT, STATE DEPT. ED, CALIFORNIA, 58-, ASST. PROF. ED, CALIFORNIA, BERKELEY, 64- Instr. Long Beach State Col, 55, summer psychometrist, Vet. Admin. Center, 54; lectr. West. Regional Conf. Ed, 60; prog. dir, Nat. Inst. Ment. Health grant, sch. psychol. training, 66-70; proj. dir, Nat. Inst. Ment. Health appl. res. grant, stress of sch, 68-72. Consult, Ed. Testing Serv, Princeton, N.J., 55, 58, 60. Mem. ed. cmt, Joint Cmn. Ment. Health Children, 67-68. Psychol. Assn. Instructional use of standardized tests; preventive mental health; measurement of personality and school adjustment; school learning processes. Publ: Co-auth, A process for in-school screening of children with emotional handicaps, *Ed. Testing Serv*, 61; auth, The present status of the culture fair testing movement, *Psychol. in Schs*, 64; Predicting and evaluating effectiveness of children in schools, In: *Behavioral science frontiers in education*, Wiley, 67. Address: 994 Grizzly Peak Blvd, Berkeley, Calif. 94708.
- LAMBERT, DR. NINA, b. Brooklyn, N.Y., Oct. 20, 32; m. 56. DEVELOPMENTAL & CLINICAL PSYCHOLOGY. B.A. Vassar Col, 54, univ. & Ford Found. fels, 54-55; M.S. Cornell, 55, jr. fel, 56-57, U.S. Pub. Health Serv. fel, 57-59, Ph.D. 59. Asst. dept. child study, Vassar Col, 55-56; Nat. Inst. Ment. Health fel, Mt. Zion Psychiat. Clin, Langley Porter Neuropsychiat. Clin, 59-61; res. psychologist child develop. & family rels, Cornell, 61-64; PRIVATE PRACTICE CLIN. PSYCHOL, 64- Psychologist, Tomkins County Ment. Health Clin, 61-62. Psychol. Assn. Cognitive development; interpersonal perception. Address: 103 Hanshaw Rd, Ithaca, N.Y. 14850.
- LAMBERT, PROF. R. A., b. Edmonton, Alta, Dec. 2, 23; m. 50; c. 5. EDUCATIONAL PSYCHOLOGY. B.Ed. Alberta, 53, M.Ed. 59, Ph.D. (ed. psychol), 62. Prin. Clover Bar Sch. Div, 48-60; sch. psychologist, Ottawa Collegiate Inst. Bd, 62-63; PROF. ED. PSYCHOL, CALGARY, 63-, ACTING HEAD DEPT, 67- Consult, Govt. Alta, 64-; res. consult, Royal Cmn. Bilingualism & Biculturalism, 64-67. Pres. Counseling Serv. Can, 66-67; Alta. rep, Serv. Admission Col. & Univ, 68- Concept formation. Address: 1819 Cayuga Crescent N.W., Calgary, Alta, Can.
- LAMBERT, PROF. RICHARD D(AVID), b. Philadelphia, Pa, Feb. 14, 23; m. 52; c. 1. SOCIOLOGY. A.B. Indiana, 46; A.M. Pennsylvania, 47, Soc. Sci. Res. Coun. fel, 48-50, Ph.D. (sociol), 51. Chemist, E.I. DuPont de Nemours, Inc, 41-43; instr. SOCIOL. PENNSYLVANIA, 48-51, asst. prof, 51-53, assoc. prof, 53-62, PROF. 62-, CHMN. DEPT. S. ASIA REGIONAL STUDIES, 66-, res. dir, Am. Inst. Indian Studies, 64-65. Fulbright & Guggenheim awards, 56-57. U.S.A. 43-46. Sociology of South Asia; comparative sociology; sociology of development; industrialization and labor force; riots and social conflict. Publ: Indian students on an American campus; Factories, workers and social change in India; Role of savings and wealth in Southern Asia and the West. Address: Dept. of Sociology, University of Pennsylvania Graduate Studies, Philadelphia, Pa. 19104.
- LAMBERT, ROBERT W(ARREN), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LAMBERT, PROF. WALLACE E, b. Amherst, N.S., Dec. 31, 22, nat; m. 48; c. 2. PSYCHOLOGY. B.A. Brown, 47; M.A. Colgate, 50; Ph.D. (psychol), North Carolina, 53. Asst. prof. PSYCHOL, MCGILL, 54-59, assoc. prof, 59-64, PROF. 64- U.S.A. 43-46. Psychol. Assn; Can. Psychol. Assn. Learning; language; attitude. Publ: Co-auth, Social psychology, Prentice-Hall, 64 & Children's views of foreign peoples, Appleton, 67; auth, Comparison of French and American responses to the Bogardus social distance scale, *Soc. Forces*. Address: Dept. of Psychology, McGill University, Montreal, Que, Can.
- LAMBERT, PROF. WILLIAM C(LARK) BRECKENRIDGE, b. St. Louis, Mo, Nov. 7, 18; m. 50; c. 6. POLITICAL SCIENCE. B.S.B.A., Washington (St. Louis), 41, A.M. 42, Heermans fel, 49-50, Ph.D. (polit. sci., econ), 50. Assoc. prof. polit. sci. & int. rels. & acting chmn. dept, Knox Col, 48-49; asst. prof. govt. & polit., European prog, Maryland, 50-52; Ford Found. assoc. prof, POLIT. SCI., South. State Col. (Ark), 52-57; assoc. prof, NEBRASKA, OMAHA, 57-62, PROF. 62- Summers, vis. prof, Arkansas, 55, Vanderbilt, 56, Marshall, 57, grant, Duke, 57, Iowa State, 64, Nebraska, 66. U.S.N.R. 42, Ens. Polit. Sci. Assn; Soc. Int. Law; Acad. Polit. & Soc. Sci. Political theory; comparative government; international law; American foreign policy. Address: Dept. of Political Science, University of Nebraska at Omaha, P.O. Box 688, Omaha, Nebr. 68101.
- LAMBERT, PROF. WILLIAM WILSON, b. Amherst, N.S., May 10, 19; nat; m. 49; c. 2. SOCIAL PSYCHOLOGY. Instr. psychol, Harvard, 49-50, counsr. guid. center, 57, asst. lab. soc. rels, 57-59; asst. prof. psychol, Brown, 50-51; PSYCHOL, SOCIOL. & ANTHROP, CORNELL, 51-54, assoc. prof, 54-59, PROF. 59- Psychologist, Naval Res. Lab, 56; fel, Center Adv. Study Behav. Sci, 56-57; Fulbright lectr, Oslo, 57-58. Mem. adv. panel sociol. sci, Nat. Sci. Found, 60- Psychol. Assn; Anthropol. Assn; Sociol. Assn. Anthropology; experimental psychology of learning process; social learning; personality and child development; cross-cultural research; culture and personality. Publ: Stimulus-response contiguity and reinforcement theory in social psychology, In: *Handbook of social psychology*; Interpersonal behavior, In: *Handbook of research methods in child development*; Social psychology in relation to experimental psychology and other behavioral sciences, In: *Psychology: a study of a science*. Address: Dept. of Psychology, Cornell University, Ithaca, N.Y. 14850.
- LAMBERT, DR. ZARREL V, b. Montpelier, Ohio, Mar. 23, 36; m. 57; c. 3. MARKETING, BUSINESS ADMINISTRATION. B.B.A. Ga. State Col, 61, M.B.A. 63; Ph.D. (bus. admin), Pa. State, 66. Instr. mkt, Pa. State, 65-66, ASST. PROF. 67; MKT. ADMIN, TEXAS, AUSTIN, 67- U.S.A.R. 54, Capt. Mkt. Assn. Consumer and buyer behavior. Publ: Determining the number of Salesmen to employ: an empirical study, *Am. Mkt. Assn.* (in press). Address: 706 Business-Economics Bldg, University of Texas, Austin, Tex. 78712.
- LAMBI, PROF. I. N, Mod. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LAMBIN, DR. HENRY J(OSEPH), b. Chicago, Ill, June 10, 21. PSYCHOLOGY. B.A., Loyola (Ill), 47, M.A. 53, Ph.D. 59. Psychologist, behav. clin, Cook County Criminal Court, Ill, 50-55; dir. personnel eval Adv. in Mgt, 55-57; instr. psychol, Loyola (Ill), 58-61, asst. prof, 61-63; res. assoc. psychiat. col. med, Illinois, 63-66; PSYCHOLOGIST, VET. ADMIN. HOSP, DOWNEY, 66- U.S.A.A.F. 43-45, 2nd Lt. Psychol. Assn. Self concept; interpersonal perception; projective techniques; thought processes; philosophical psychology. Address: 1218 W. Norwood St, Chicago, Ill. 60626.
- LAMBORN, DR. ELLIS W, b. Laketown, Utah, Dec. 1, 21; m. 43; c. 3. AGRICULTURAL ECONOMICS. B.S. Utah State Agr. Col, 43; M.S. Illinois, 44; Ph.D. Cornell, 47; California, Davis, 66-67. Asst. agr. econ, Illinois, 43-44; Cornell, 44-47; asst. prof, Utah State Agr. Col, 47-50; res. assoc. statist, Found. Econ. Ed, 50-53; prof. econ, Alma Col, 53-54; ASSOC. PROF. AGR. ECON, UTAH STATE, 54- Agr. Econ. Assn. Marketing statistics. Address: Dept. of Agricultural Economics, Utah State University, Logan, Utah 84321.
- LAMBRIGHT, DR. WILLIAM HENRY, b. Baltimore, Md, July 7, 39; m. 63. POLITICAL SCIENCE. A.B. Hopkins, 61; M.A. Columbia, 62, Ph.D. (polit. sci), 66. Case writer polit. sci, INTER-UNIV. CASE PROG, INC, 65-66, ASST. DIR, 66-; ASST. PROF. POLIT. SCI, SYRACUSE, 66- Consult, Ed. Resources & Res, Inc, Va, 66-67; Ed. Testing Serv, 67. U.S.A.R. 57-65. AAAS; Polit. Sci. Assn; Soc. Pub. Admin. Public administration. Publ: Shooting down the nuclear plane, Bobbs, 67. Address: Dept. of Political Science, 607 University Ave, Syracuse University, Syracuse, N.Y. 13210.
- LAMDEN, DR. CHARLES W(ILLIAM), b. Cleveland, Ohio, Aug. 23, 16; m. 41; c. 2. BUSINESS ADMINISTRATION, ACCOUNTING. A.B. California, Los Angeles, 37, M.A. 39; Ph.D. (econ), California, 49. Lectr. acct, San Diego State Col, 46-48, assoc. prof, 48-51, chmn. dept, 50-51, prof, 51-67, dean ed. serv, 51-54, sch. bus. admin, 54-67; PARTNER, PEAT, MARWICK, MITCHELL & CO, 61- Partner, Everts & Esenoff, 46-61. Ed, J. Taxation. U.S.N. 43-46, Lt. Am. Acct. Assn; Nat. Assn. Acct; Finance Assn; Econ. Assn. Taxation; banking and finance. Publ: Place of accounting in price control, *Acct. Rev*; S.E.C. contributions to accounting, *Proc. Conf. Pac. Coast Econ. Assn*; Special-problem report, *Calif. Cert. Pub. Acct.* Address: 799 Park Ave, New York, N.Y. 10021.
- LAMMERS, DR. BERNARD J(AMES), b. Louisville, Ky, Jan. 29, 31; m. 56. POLITICAL SCIENCE. B.S. Georgetown, 54, M.A. 60; Ford fel. & Ph.D. (polit. sci), Columbia, 67. Asst. secy. & publications ed, Int. World Polity, Wash, D.C., 54-56; traffic analyst, nat. security agency, U.S. Dept. Defense, 56-58; instr. soc. sci. & ed, Asn. Int. Develop, 58-60; ASST. PROF. GOVT. ST. LAWRENCE, 66- Polit. Sci. Assn; Acad. Polit. Sci. American government, constitutional law, Congress and Presidency; scope and method in political science; political theory; international relations. Address: 82 Park St, Canton, N.Y. 13617.
- LAMMI, PROF. JOE O(SCAR), b. Daly City, Calif, Jan. 24, 13; m. 40; c. 2. FOREST ECONOMICS. B.S. Oregon State, 34, McDonald fel, 35, M.S. 37; Ph.D. California, 54. Forester, U.S. Forest Serv, 35-47, Intermount. For-

est & Range Exp. Sta. 50-55; forestry officer in charge forestry statist, UN Food & Agr. Orgn. 55-61; PROF. FOREST ECON. N.C. STATE, 61- Vis. prof, Duke, 65. Mkt. consult. U.S. Agency Int. Develop. Turkey, 66. C. Eng. 43-46. Maj. Soc. Am. Foresters; Soc. Range Mgt; Soc. Photogram; Int. Soc. Trop. Foresters. Economics of international forestry development; resource allocation problems of forest industries in southeastern United States; aerial photo interpretation. Publ: Ed, Yearbook of forest products statistics, 1955-1960 & World forest products statistics, a ten-year summary, 1946-1955; Professional ethics in forestry, J. Forestry, 2/68. Address: School of Forest Resources, North Carolina State University, Raleigh, N.C. 27607.

LAMMINEN, ARTHUR J(OHN), b. Virginia, Minn, Oct. 25, 12; m. 35; c. 2. MANAGEMENT, INDUSTRIAL RELATIONS. B.S. Tri-State Col, 56; M.A. Mich. State, 57. Chemurgic researcher, Edison Inst. Tech. Div, Ford Motor Co, 31-43, indust. supvr. indust. soybean processing, Ford Motor Co, 43-46; indust. eng. & mgt. consult, 46-48; managing dir. oilseed processing, Edible Oils Ltd, Can, 48-54; admin. asst. to dean, col. bus. Mich. State, 58-62; asst. prof. mgt, Eastern Michigan, 62-64, assoc. prof. & head dept, 64-66; DIR. DIV. BUS. & INDUST. MGT, WASHTENAW COMMUNITY COL, 66- Mediator, govt. mediation serv, Ft. William, Can, 48-51, chmn. govt. arbitration bd, 51-52. Soc. Mech. Eng; Mgt. Asn. Industrial engineering and management; human factors in systems analysis; industrial socio-psychological systems; human relations and the total systems concept. Publ: Solvent extraction of oils—a new Canadian industry, Can. Food Indus. J. 49. Address: Washtenaw Community College, P.O. Box 345, Ann Arbor, Mich. 48108.

LAMONE, DR. RUDOLPH P, b. Wellsburg, W.Va, Dec. 20, 31. MANAGEMENT SCIENCE, OPERATIONS RESEARCH. B.S. North Carolina, Chapel Hill, 60, Ph.D.(bus), 66. Instr. mgt, North Carolina, Chapel Hill, 63-65; ASST. PROF. OPERS. RES, MARYLAND, 66- U.S.A. 52-55, Sgt. Inst. Mgt. Sci; Acad. Mgt. Consumer choice models; mathematical programming. Publ: Co-auth. Linear programming for managerial decisions, Irwin, 68 & Quantitative disciplines in management decisions, Dickenson Pub. Co, 68. Address: Dept. of Business Administration, University of Maryland, College Park, Md. 20741.

LAMONT, DR. DOUGLAS FELIX, b. Newark, N.J, Nov. 22, 37; m. 65; c. 1. MARKETING, ECONOMICS. B.S. Pennsylvania, 59; M.B.A. Tulane, 60, Ph.D.(bus. admin), Alabama, 64. Asst. prof. MKT, MGT, Notre Dame, 66-67; ASSOC. PROF. & PROG. COORDINATOR INT. BUS. PROG. SCH. COMMERCE & BUS. ADMIN, ALABAMA, 67-, exchange prof. int. bus. center, Univ. of the Americas, 68. Consult, Silver Springs Lab, Vitro Corp. Am, summer 67; Alabama-Guatemala Partners of the Alliance, Agency Int. Develop, 67- U.S.A.R. 64-66, Capt. Mkt. Asn; Econ. Asn; Regional Sci. Asn; Asn. Ed. Int. Bus. Role of the international business firm in the developing economies of Latin America; opportunities for marketing growth in Mexico; the application of systems analysis to the effectiveness of logistics systems. Publ: A theory of marketing development: Mexico, Proc. Ed. Conf. Am. Mkt. Asn, 65; The development of an international business program, Am. Asn. Collegiate Schs. Bus, spring 68. Address: School of Commerce & Business Administration, University of Alabama, University, Ala. 35486.

LaMONT, ROBERT E(LLIS), b. Columbus, Ohio, May, 24; m. 50; c. 2. GEOGRAPHY, ENGINEERING. A.B. Harvard, 49; M.A. Boston, 54; U.S. Army Command & Gen. Staff Col, 66. Cartologist, Inst. Geog. Explor, 48-50; geogr. U.S. Army Map Serv, 50-51; managing ed, Univ. Prints, Inc, 52-54; cartogr. U.S. Eng. Res. & Develop. Labs, 54-55; geogr. U.S. Dept. Army, 55-58; cartogr. U.S. Eng. Res. & Develop. Labs, 58-61, sr. engr, 61-67; GEN. ENGR, OFF. ASST. CHIEF STAFF INTEL, U.S. DEPT. ARMY, 67- U.S.A. 42-45, C.Eng, 51-52, Lt. Col. Asn. Am. Geog. Soc; Soc. Am. Mil. Eng.(award of merit, 65); Cong. Surv. & Mapping; Nat. Soc. Prfln. Eng; Sci. Res. Soc. Am; Arctic Inst. N.Am; Archaeol. Inst. Am; Medieval Acad. Am; Mil. Govt. Asn. Cartography; historical geography; surveying and mapping; instrument and materials design and testing; military intelligence, reconnaissance and surveillance; camouflage; optics; infrared; radar; acoustics; electro-magnetics; colors; human engineering. Publ: Color symbols for drawings, Graphic Sci, 10/65; Color in black and white, Color Eng, 11-12/65. Address: 4601 N. 23rd St, Arlington, Va. 22207.

LaMOUNTAIN, PROF. GEORGE FRANCIS JOSEPH, b. Salina, Kans, Mar. 14, 17. PSYCHOLOGY. B.A. Univ. Kansas City, 42; M.A. Catholic Univ, 48. Instr. philos. & psychol, St. Joseph's Col.(Ind), 49-51; asst. prof. PSYCHOL, AQUINAS COL, 54-57, ASSOC. PROF. & CHMN. DEPT, 57- U.S.A.A.F, 42-45; U.S.A.R, 51-52, 1st Lt. AAAS. History and systems of psychology. Address: Dept. of Psychology, Aquinas College, Grand Rapids, Mich. 49506.

LAMPARD, PROF. ERIC E(DWIN), Econ. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LAMPMAN, PROF. ROBERT JAMES, b. Plover, Wis, Sept. 25, 20; m. 43; c. 4. ECONOMICS. B.A. Wisconsin, 42, Ph.D, 50; California, 47-48. Asst. prof. ECON, Washington (Seattle), 48-53, assoc. prof, 53-58; PROF, WISCONSIN, 58- U.S.N.A.F, 42-46, Res, 46-53, Lt. Econ. Asn; Indust. Rels. Res. Asn. Income and wealth distribution; labor economics; public finance; social security. Publ: Share of top wealth holders in national wealth, 1922-1956; Low income population; co-auth. Administration of medical service corporations in Washington. Address: Dept. of Economics, University of Wisconsin, Madison, Wis. 53706.

LAMSON, DR. ROBERT WARREN, b. Shanghai, China, Dec. 16, 28; U.S. citizen. SOCIOLOGY. A.B. Boston, 51, A.M. 52; Noyes scholar, Chicago, 52, Millis fel, 53, Ph.D.(sociol), 60. Legis. asst, Off. Senator Bartlett, 60-62; vis. lectr. soc. orgn, American Univ, summer, 63; planning officer & res. analyst, off. civil defense, U.S. Dept. Defense, 64-66; STAFF, ASST, OFF. ASST. SECY. WATER POLLUTION CONTROL, U.S. DEPT. INTERIOR, 66- Staff asst, Off. Asst. Secy. Defense (Civil Defense), 62-64. U.S.A. 54-57, Sgt. AAAS; Polit. Sci. Asn; Sociol. Asn. Science and public policy; population resources; economic development; defense and national security; environmental quality; air and water pollution; technological forecasting; con-

gress and science. Publ: The present strains between science and government, Soc. Forces, 5/55; The army and civil defense, Mil. Rev, 12/64; Needed research for population policy, Am. Behav. Scientist, 2/66. Address: 1108 E. Capitol St, Washington, D.C. 20002.

LANA, DR. ROBERT E(DWARD), b. Hoboken, N.J, Aug. 9, 32. PSYCHOLOGY, STATISTICS. B.A. Rutgers, 54; M.A. Maryland, 56, Ph.D. 58. Asst. Instr. psychol, Maryland, 57-58; asst. prof. psychol. & statist, American Univ, 58-61, assoc. prof, 61-62, acting chmn. dept. psychol, 61-62; assoc. prof. & chmn. dept. PSYCHOL. Alfred, 62-65; Fulbright sr. lectr, Rome, 65-66; ASSOC. PROF, TEMPLE, 66- Res. grant attitudes toward rehab, 67-71. Psychol. Asn. Communication and persuasion; attitude change; motivational theory; exploration phenomena; research design. Publ: Assumptions of social psychology, Appleton, 68; Familiarity and the order of presentation of persuasive communications, J. Abnorm. & Soc. Psychol; Three theoretical interpretations of order effects in attitudinal research, Psychol. Bull. Address: Dept. of Psychology, Temple University, Philadelphia, Pa. 19122.

LANAHAN, THOMAS J(OSEPH), JR, Econ, see 10th ed, Soc. & Behav. Vols.

LANCASTER, DR. CORNELIA M(ORRIS), b. Kissimmee, Fla. PSYCHOLOGY. B.A. Florida, 43, M.A. 46, D.Ed.(ed. psychol, guid), 58. Teacher, pub. schs, Fla, 28-38, supvr. music, pub. & high schs, 39-53; PRIN. & COORDINATOR SPEC. ED, GATEWAY SCH. EXCEPT. ED, ORLANDO, 54- Consult, south-east. regional conf, Coun. Except. Children, 58. Psychol. Asn; Asn. Ment. Deficiency. Effect of music on personality development; perceptual skills in brain-damaged children in relationship to achievement. Publ: Analytical study of research from 1904 to 1954 on leadership displayed by American children and youth. Address: P.O. Box 33, Kissimmee, Fla. 32741.

LANCASTER, DR. JOSEPHAS JACKSON, b. Gainesville, Ga, Apr. 16, 24; m. 54; c. 3. AGRICULTURAL ECONOMICS. B.S.A. Georgia, 49, M.S.A. 52; Nat. Cotton Coun. & Oscar Johnson Found. fcls, Cornell, 56-57, Ed.D. 59. Asst. county agent, AGR. EXTEN. SERV, GEORGIA, 49-52, county agent, 52-53, spec. county agent, 53-55, AGR. ECONOMIST, 55-, HEAD DEPT. AGR. EXTEN. ED, 60- U.S.A. 42-45, Res, 49-52, 2nd Lt. Agricultural extension, especially development of effective programs of educational work with rural adults. Publ: Coordination in Catoosa County: study of the rural adult education in Catoosa County, Ga, 1954. Address: Dept. of Agricultural Extension Education, University of Georgia, Athens, Ga. 30602.

LANCASTER, PROF. KELVIN JOHN, b. Sydney, Australia, Dec. 10, 24; m. 50, 63; c. 2. ECONOMICS. B.Sc. Sydney, 48, B.A. 49, M.A. 53; B.Sc. London, 53, Ph.D.(econ), 58. Res. assoc. statist. & econ. Res. Serv, Australia, 49-52, dir. res, 52-53; asst. lectr. econ, London Sch. Econ, 54-56, lectr, 56-59, reader, 59-62; PROF. polit. econ, Hopkins, 62-66; ECON, COLUMBIA, 66- Part-time vis. lectr, Birmingham, 55-56; vis. prof, Brown, 61-62; part-time vis. prof, City Col. New York, 65-66; part-time adj. prof, N.Y. Univ, 67- Royal Australian Air Force, 43-45, Flying Officer. Am. Econ. Asn; Economet. Soc; Statist. Asn; Royal Econ. Soc. Economic theory; mathematical economics; consumer theory. Publ: Mathematical economics, Macmillan, 68. Address: Dept. of Economics, Columbia University, New York, N.Y. 10027.

LANCASTER, DEAN ROBERT S(AMUEL), b. Floyd, Va, July 9, 09; m. 31; c. 2. POLITICAL SCIENCE. A.B, Hampden-Sydney Col, 29; A.M, Univ. of the South, 34; Ph.D, Michigan, 54. Instr, Gulf Coast Mil. Acad, 29-31; Seawane Mil. Acad, 31-38; commandant of cadets, 41-43; private practice law, 38-41; assoc. prof. POLIT. SCI, UNIV. OF THE SOUTH, 49-54, PROF, 54-, DEAN COL, 57-, men, 52-57, acting dir. develop, 65-67. Fulbright lectr, col. arts & sci, Baghdad, Iraq, 55, col. law, Seoul, 64-65; fel, Int. Inst. Arts & Letters. U.S.N, 43-46, Lt. Polit. Sci. Asn. Public and constitutional law; introduction to American government. Publ: The jurisprudence and political thought of Learned Hand. Address: University of the South, Seawane, Tenn. 37375.

LAND, PROF. AUBREY C(HRISTIAN), Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LAND, DR. JAY M(ALCOLM), b. Washington, D.C, Feb. 19, 39; m. 62; c. 2. CLINICAL PSYCHOLOGY. B.A. Maryland, 61; Ph.D.(psychol), Syracuse, 66. ASST. PROF. PSYCHOL. & STAFF PSYCHOLOGIST CLIN. PSYCHOL, CENTER PSYCHOL. SERV, OHIO, 66- Psychol. Asn. Psychotherapy and psychotherapy research. Publ: Co-auth. The use of planted patients in group psychotherapy, Am. J. Psychother, 10/67. Address: Center for Psychological Services, Ohio University, Athens, Ohio 45701.

LANDAR, DR. HERBERT (JAY), Ling, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

LANDAU, DR. ALFRED, b. Vienna, Austria, Jan. 30, 14; nat. m. 36. ECONOMICS. Dr.jur. utr, Vienna, 37. Res. asst. econ, Inst. Adv. Study, 42; Nat. Bur. Econ. Res, 43; from res. asst. to res. assoc, financial & transit dept, League of Nations, 43-46; econ. affairs officer, FISCAL BR, bur. econ. affairs, UN, 46-58, chief, budgetary res. sect, 58-67, SPEC. ADV. DEPT. PROG. PLANNING, DEPT. ECON. & SOC. AFFAIRS, 67- Tech. adv. regional budget workshops, UN, Chile, Thailand & Ethiopia, 59-61, co-dir, Thailand, 66, mem. joint staff pension bd, 59-, secy-gen. adv. bd. compensation claims, 59-, v.chmn. staff pension cmt, 64-, dir. interregional budget workshop, Denmark, 64. Econ. Asn; Int. Inst. Pub. Finance. Public finance statistics; budgetary management; planning, programming and budgeting systems analysis. Publ: Public dept, 1914-1946. Address: 370 First Ave, Apt. 5-A, New York, N.Y. 10010.

LANDAU, DR. EMANUEL, b. New York, N.Y, Nov. 28, 10; m. 48; c. 2. ECONOMICS. B.S.S. City Col. New York, 39; Ph.D.(econ), American Univ, 66. Economist, Off. Price Admin, 46-47; chief, family statist. sect, U.S. Bur. Census, 49-56; biomet. sect, div. air pollution, U.S. Pub. Health Serv, 57, 59-62; statist. adv. Calif. State Dept. Pub. Health, 57-59; head lab. & clin. trials sect, Nat. Insts. Health, 62-64; STATIST. ADV. NAT. CENTER AIR POLLUTION CONTROL, 64- Temporary adv, WHO, Dept. Health, Ed. &

Welfare, 67. Superior Serv. Award, 63. U.S.A., 42-45. Statist. Asn; Econ. Asn; fel. Am. Pub. Health Asn; Royal Soc. Health. Biometrics; econometrics; health effects of air pollution; cancer clinical trials. Publ: Economic aspects of air pollution as it relates to agriculture, Nat. Pub. Co; co-auth, Air pollution and asthmatic attacks in the Los Angeles area, Pub. Health Reports; auth, chap, In: Applications of demography: the population situation in the United States in 1975. Address: 5906 Green Tree Rd, Bethesda, Md. 20034.

LANDAU, PROF. M(ARTIN), b. New York, N.Y., July 12, 21; m. 43; c. 2. POLITICAL SCIENCE, SOCIAL PSYCHOLOGY. B.A., Brooklyn Col, 47; M.P.A., N.Y. Univ, 48, fel, 49, Ph.D. 52. Asst. to dean, grad. sch. pub. admin, N.Y. Univ, 49-50; vis. assoc. prof. POLIT. SCI., Lincoln (Pa), 50-51; from asst. prof. to assoc. prof, BROOKLYN COL, 52-63, PROF, 63- Lectr, grad. sch. pub. admin, N.Y. Univ, 55-; fel, behav. sci. div, Air Force Off. Sci. Res, 58; vis. prof, grad. faculty, New Sch. Soc. Res. Consult, Ford Found. Proj, Chicago, 55; State Cmn. Govt. Oper. of New York City, 60-61; N.Y. State Constitutional Convention Cmn, 66. Sr. specialist, Inst. Adv. Proj, East-West Center, 65-66. Distinguished teaching award, 63. Sig.C, U.S.A., 42-46. Polit. Sci. Asn; Sociol. Asn; Soc. Pub. Admin. Political behavior; organization theory. Publ: New York State public service commission; co-auth, Concepts and issues in administrative behavior, Prentice-Hall, 61; Study of organization, Am. Soc. Pub. Admin, 66. Address: Dept. of Political Science, Brooklyn College, Bedford Ave. & Ave. H, Brooklyn, N.Y. 11210.

LANDAU, DR. MIRIAM FELDMAN, Clin. Psychol, Counseling, see 10th ed, Soc. & Behav. Vols.

LANDAUER, PROF. CARL, b. Munich, Germany, Oct. 15, 91; nat; m. 16; c. 3. ECONOMICS. Ph.D. Heidelberg, 15; LL.D., California, 62; hon. Dr. rer. pol., Hamburg, 66. Res. asst, Kiel, 15-16; asst. col. commerce, Munich, 18-22; from lectr. to assoc. prof, Berlin, 26-33; prof. ECON, CALIFORNIA, BERKELEY, 36-59, EMER. PROF, 59- Lectr, inst. int. rels, Mills Col; vis. prof, Berlin, 49-50; Fulbright lectr, Frankfurt & Hamburg, 59-60; vis. prof, Hamburg, 62-63, 66-67. Econ. Asn; Hist. Asn; Asn. Comp. Econ. History of socialism; economic planning; recent German history. Publ: Fundamental problems of the functional distribution of the economic value; Theory of national economic planning; European socialism. Address: 1317 Arch St, Berkeley, Calif. 94708.

LANDAUER, PROF. THOMAS K, b. Highland Park, Ill, Apr. 25, 32; m; c. 1. PSYCHOLOGY. B.A., Colorado, 54; Nat. Sci. Found. fel, Harvard, 57-59, M.A., 58; Ph.D., 60. Instr. ed, Harvard, 59-60; asst. prof. psychol, Dartmouth Col, 60-63; fel. behav. sci. center adv. study behav. sci, STANFORD, 63-64, ASST. PROF. PSYCHOL, 64- AAAS; Psychol. Asn. Learning and memory; physiological psychology; effects of infant stress; cross cultural research; human learning and memory; physiological basis of memory. Address: 171 N. Balsamina Way, Menlo Park, Calif. 94025.

LANDAUER, W(ALTER) A(RTHUR), Econ. Bus. Admin, see 10th ed, Soc. & Behav. Vols.

LANDÉ, DR. CARL HERMAN, b. Tübingen, Germany, Jan. 23, 24. POLITICAL SCIENCE. B.A., Ohio State, 48; Fulbright grantee, Philippines, 54-55; Ph.D., Harvard, 58. Res. assoc. polit. sci, bur. appl. soc. res, Columbia, 53-54; prof. lectr, Ateneo Manila, 59-60; asst. prof, Kansas, 60-61; Yale, 61-64; vis. prof, Ateneo Manila, 64-66; ASSOC. PROF. POLIT. SCI., KANSAS, 66- Grantee, cmt. comp. polit. Soc. Sci. Res. Coun, Philippines, 58-60; vis. sr. specialist, East-West Center, Univ. Hawaii, 67-68. Mem, Philippine Coun, Asia Soc; Southeast Asia Develop. Adv. Group. U.S.A.R., 43-46, 1st Lt. Polit. Sci. Asn; Asn. Asian Studies; Anthropol. Asn. Comparative politics, especially Southeast Asia and Philippines; early political institutions. Publ: Leaders, factions and parties: the structure of Philippine politics, Yale Southeast Asia Studies, 65; Education and political development in the Philippines, In: Education and political development, Princeton, 65; The Philippine political party system, J. Southeast Asian Hist, 3/67. Address: Dept. of Political Science, University of Kansas, Lawrence, Kans. 66044.

LANDECKER, PROF. WERNER S(IEGMUND), b. Berlin, Germany, Apr. 30, 11; nat; m. 42; c. 2. SOCIOLOGY. Referendar, Berlin, 33, J.U.D., 36; fel, Michigan, 39-40, 42-43, Ph.D., 47. Instr. SOCIOL, Indiana, 41-42; MICHIGAN, 43-47, asst. prof, 47-52, assoc. prof, 52-61, PROF, 61- Sociol. Asn. International relations as intergroup relations; fictitious elements in the theory of social dialectic; types of integration and their measurement. Publ: Co-auth, Principles of Sociology; Dynamics of political integration in federal systems, Int. Soc. Sci. Bull; Institutions and social integration, Papers Mich. Acad. Sci., Arts & Letters. Address: Dept. of Sociology, University of Michigan, Ann Arbor, Mich. 48104.

LANDEN, DR. ROBERT GERAN, Near East. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LANDER, DR. BYRON GILBERT, b. St. Louis, Mo, Aug. 9, 36; m. 57; c. 3. POLITICAL SCIENCE. B.S., Missouri, 58, LL.B., 60, M.A., 63, Ph.D.(polit. sci), 67. Instr. POLIT. SCI., Lincoln Col, 60-62; Missouri, 63-65; ASST. PROF, KENT STATE, 65- Polit. Sci. Asn. Poverty as a political issue; radical left politics; absolutist position of Mr. Justice Black; public law impact studies. Publ: Interest group activity in public law, 12/67 & The role of major American institutions in poverty becoming a political issue, 2/68, Int. Rev. Hist. & Polit. Sci.; Accused of conspiracy, a review of the case against six steel companies, Focus/Midwest, Vol. 3, No. 4. Address: Dept. of Political Science, Kent State University, Kent, Ohio 44240.

LANDES, PROF. BERNARD A(LTER), b. Chicago, Ill, Oct. 3, 29; m. 54; c. 2. SPEECH PATHOLOGY, AUDIOLOGY. B.S., Purdue, 51, M.S., 53; fel, Michigan, 54-57, Ph.D., 58. ASST. PROF. speech, Tex. Tech. Col, 57-60, speech & psychol, 60-61; SPEECH, CALIF. STATE COL. LONG BEACH 61- Consult, Long Beach Gen. Hosp, 61- Speech & Hearing Asn; Acoustical Soc; Cong. Rehab. Med; Int. Asn. Logoped. & Phoniat. Voice production and voice disorders; communication problems of the aged; hearing disorders. Publ: Recruitment measured by automatic audiometry, Arch. Otolaryngol;

On the clinical nature of spastic dysphonia, South. Speech J. Address: Speech Clinic, California State College at Long Beach, Long Beach, Calif. 90804.

LANDES, PROF. DAVID S(AUL), b. Brooklyn, N.Y., Apr. 29, 24; m. 44; c. 3. ECONOMICS. A.B., City Col. New York, 42; A.M., Harvard, 43, Sheldon traveling fel, 48-49, Soc. Sci. Res. Coun. fel, 50-51, Ph.D.(hist), 53. Jr. fel, Harvard Soc. Fels, 50-53; asst. prof, econ, Columbia, 53-56, assoc. prof, 56-58; PROF. hist. & econ, California, Berkeley, 58-64; HIST, HARVARD, 64- Fel, Center Adv. Study Behav. Sci., Calif, 57-58; Soc. Sci. Res. Coun. fel, 60-61; Rockefeller Found. res. grant, 60-61. Chmn. hist. panel, behav. & soc. sci. surv, Nat. Acad. Sci, 66- U.S.A., 43-46. Am. Econ. Asn; Am. Econ. Hist. Asn; Hist. Asn; Am. Acad. Arts & Sci; Brit. Econ. Hist. Soc; Royal Hist. Soc; Soc. French Hist. Studies; Soc. Mod. Hist, France. Modern economic history of western Europe; modern French history and contemporary France; comparative economic development. Publ: Bankers and Pashas: international finance and economic imperialism in Egypt, The rise of capitalism, Macmillan, 66; The unbound Prometheus: technological change and industrial development in Western Europe since 1750, Cambridge Univ, 68. Address: 24 Highland St, Cambridge, Mass. 02138.

LANDES, DR. RUTH, b. New York, N.Y., Oct. 8, 08; m. 29. CULTURAL ANTHROPOLOGY. B.S., N.Y. Univ, 28; M.S.W., N.Y. Sch. Soc. Work, 29; Ph.D. (anthrop), Columbia, 35. Soc. worker, N.Y., 29-31; res. fel. anthrop, Columbia, 33-40; res. dir. & coordinator, Inter-Am. Affairs, D.C., 41; rep. Negro & Mexican-Am. Affairs, President's Fair Employ. Practices Cmt, D.C., 41-45, co-dir, private interim prog, N.Y., 45; researcher, Los Angeles Metrop. Welfare Coun, 46-47; study dir, sci. res. dept, Am. Jewish Cmt, 48-51; Fulbright sr. res. scholar colored colonial migrations, Edinburgh Univ, 51-52; vis. prof. anthrop, sch. soc. work, Southern California, 57-58; dir. geriat. prog, Los Angeles City Health Dept, 58-59; vis. prof. anthrop. & dir. anthrop. & ed. prog, Claremont Grad. Sch, 59-62; consult. & exten. lect, Univ. California, Los Angeles & Berkeley, 62; Los Angeles State Col, 63; vis. prof. ANTHROP, Tulane, 64; PROF, McMASTER, 65- Columbia Univ-Soc. Sci. Res. Coun. field studies, Ojibwa Indian reservations, Ont, 32-33 & Red Lake, Minn, 34-35, Santee Dakota Indian reservation, Red Wing, Minn, 35, Potawatomi Indian reservation, Mayetta, Kans, 35-36 & Negro communities, Brazil, 38-39; researcher, Gunnar Myrdal's Study Am. Negro, Carnegie Corp, N.Y., 39; instr, Brooklyn Col, 37; Fisk, 37-38; lect, William A. White Psychiat. Inst, 53-54; New Sch. Soc. Res, 53-55; summers, vis. prof, Columbia, 63, prof, Kansas, 64 & researcher, Brazil, 66. Consult, contemporary cultures proj, Columbia, 49-51; Calif. state & local soc. work & ed. agencies & nat. agencies, 57; Int. Bus. Mach. Corp, 63-64. American Indians; minority groups, including Negroes, in United States, United Kingdom and Brazil; educational and cultural status of women; culture and personality. Publ: City of women, Macmillan, 47; Culture in American education, Wiley, 65; Ojibwa religion and the Midewiwin, Univ. Wisconsin, 68. Address: Dept. of Sociology & Anthropology, McMaster University, Hamilton, Ont, Can.

LANDFIELD, PROF. A(LVIN) W(ARNER), b. Newark, N.Y., Sept. 10, 24; m. 47; c. 2. PSYCHOLOGY. B.A., North Carolina, 47; M.A., Ohio State, 48; Ph.D.(psychol), 51. Field superv. clin. psychol, Purdue, 51-52, asst. prof. psychol, 53-56; assoc. prof. PSYCHOL, MISSOURI, 56-64, PROF, 64-, DIR. MENT. HYG. CLIN, 56- U.S. Pub. Health Serv. res. grants, 59-62; vis. scientist, Univ. London, 66. Consult. Vet. Admin; Fulton State Hosp, Mo. U.S.A., 43-45. AAAS; Psychol. Asn; Int. Soc. Gen. Semantics. Synthesis of clinical and scientific orientations; social concepts; psychotherapy. Publ: Psychology of science; Social conceptual processes and client-therapist interactions; The extremity rating revisited within the context of personal construct theory, Brit. J. Soc. & Clin. Psychol, 67. Address: Dept. of Psychology, University of Missouri, Columbia, Mo. 65201.

LANDGRAF, DR. JOHN LESLIE, b. Albany, Ore, Aug. 2, 14; m. 43; c. 2. ANTHROPOLOGY. B.A., Pomona Col, 37; Ph.D., Columbia, 51. Instr. soc. sci, Mass. Inst. Tech, 42-43; sociol. & geog, Wash. Sq. Col, N.Y. UNIV, 46-47, ASSOC. PROF. ANTHROP, 47-, ASSOC. DEAN GRAD. SCH. ARTS & SCI, 64-, chmn grad. record exam. bd, 67. Mem. U.S. Peace Corps, N.Borneo, 62-63. Civilian with U.S. Army; U.S.N., 42-46, Lt. Fel. Anthropol. Asn; fel. Soc. Appl. Anthropol. Ethnol. Soc. Borneo and southeast Asia; general anthropology; personality and culture. Publ: Land use in the Ramah area. Address: 81 Hickory Hill Rd, Tappan, N.Y. 10983.

LANDGREN, DR. NORMAN E(VERETT), b. Sutton, Nebr, Oct. 25, 29; m. 53; c. 2. AGRICULTURAL & LAND ECONOMICS. B.S., Nebraska, 51, M.A., 54; Ph.D.(agr. econ), Iowa State, 62. Asst. agr. economist, Nebraska, 54-55; asst. prof. agr. econ, Arizona, 55-57; asst. Iowa State, 57-59; agr. economist, econ. res. serv, U.S. Dept. Agr, 59-67; ASSOC. PROF. ECON, COLORADO STATE, 67-, CHIEF OF PARTY, WEST PAKISTAN, 67- U.S.A., 51-53, 1st Lt. Agr. Econ. Asn. Land and water conservation economics. Address: Dept. of Economics, Colorado State University, Ft. Collins, Colo. 80521.

LANDING, DR. JAMES E, b. Buffalo, N.Y., Jan. 7, 28; m. 49; c. 4. GEOGRAPHY. B.S., Manchester Col, 52; M.S., Pa. State, 63, Nat. Sci. Found. fel, 63-65; Ph.D.(geog), 67. Instr. high sch, 53-67; LECTR. GEOG, INDIANA, 65- U.S. Off. Ed. res. grant, 66-69; Nat. Coun. Geog. Ed. res. grants; res. grant, Todd Co, Mich, 67-68; summer instr, Valparaiso, 65. U.S.N.R., 45-46. Asn. Am. Geog. Cultural geography, especially rural and urban subcultures and ethnic groups. Address: Dept. of Geography, Indiana University, South Bend, Ind. 46615.

LANDIS, DR. AGNES T(HORSON), b. Rochester, Minn, Oct. 22, 99; m. 28; c. 1. PSYCHOLOGY. B.S., Minnesota, 23, M.A., 24, Ph.D.(psychol), 34. From instr. to asst. prof, Smith Col, 25-31; chief psychologist, Brearley Sch, 31-33; res. fel. psychol, N.Y. State Psychiat. Inst. & Hosp, 34-37; personnel asst, Soc. Security Bd, 40-41; asst. prof. psychol, Newcomb Col, Tulane, 42-48; CLIN. PSYCHOLOGIST & COORDINATOR TRAINING, MED. DIV, MENT. HYG. SERV, VET. ADMIN, 48- Lectr, N.Y. Univ, 30-31; substitute psychologist, pub. schs, Wash, 42; res. assoc, Psychol. Corp, 42-48. Consult, prfnl. exam. serv, Am. Pub. Health Asn, 49-59. Psychol. Asn;

Interam. Soc. Psychol. Abnormal psychology; psychotherapy; projective techniques. Publ: Co-auth, Hoerber, 40. Sex in development. Address: Veterans Administration Mental Hygiene Clinic, 252 Seventh Ave, New York, N.Y. 10001.

LANDIS, PROF. JUDSON T (AYLOR), b. Cuba, Ill, June 2, 06; m. 30; c. 2. SOCIOLOGY. A.B. Greenville Col, 29; A.M. Michigan, 33; Ph.D. (sociol), La. State, 40. Teacher, high schs, 29-37; asst. sociol, La. State, 37-38; Iowa State Col, 38-39; asst. prof., Southern Illinois, 39-42, assoc. prof., 42-45, prof., 45; assoc. prof. sociol. & anthropol, Mich. State, 45-50, prof., 50; assoc. prof. FAMILY SOCIOLOGY, CALIFORNIA, BERKELEY, 50-56. PROF. 56. Mem. gen. assembly, Int. Union Family Orgns, 56; pres, Nat. Coun. Family Rels, 56. Sociol. Asn; Asn. Marriage Counsr. Adjustment in marriage; mixed religious marriages. Publ: Building a successful marriage; Personal adjustment marriage and family living; Building your life. Address: 1420 Atwell Rd, El Cerrito, Calif. 94530.

LANDIS, PROF. PAUL H, b. Cuba, Ill, Mar. 5, 01; m. 26; c. 3. SOCIOLOGY. A.B. Greenville Col, 26; M.A. Michigan, 27; Ph.D. Minnesota, 33. Teacher, rural schs, 21-23; prof. sociol. & dir. teachers' training, Wessington Springs Jr. Col, 27-28; instr. sociol, Minnesota, 28-31; instr. & asst. rural sociol, agr. exp. sta. S.Dak. State Col, 31-33, asst. prof. & rural sociologist, 33-34; WASHINGTON STATE, 35-39, prof. sociol. & chmn. div. rural sociol, 39-51, dean grad. sch., 39-47, rural sociologist & state prof. rural sociol, 51-54, SOCIOL. 54-66, EMER. STATE PROF. 66. Spec. asst. dir. Farm Security Admin, 43; prin. admin. officer, Off. Agr. War Rels, 42-43; vis. prof., Hawaii, 67, prof., Arizona, 68. Assoc. consult, Nat. Resources Cmt, S.Dak., 34-35; consult, Nat. Resources Planning Bd, 39-42. Mem. nat. hosp. coun. U.S. Pub. Health Serv, 60-65. Sociol. Asn. (asst. ed, Rev, 48-50); Rural Sociol. Soc. (pres, 46). Youth, marriage and family; population problems; rural sociology. Publ: Sociology, Ginn, 65; Making the most of marriage, Appleton, 65; Your marriage and family living, McGraw, 69. Address: 411 S. Blaine, Moscow, Idaho 83843.

LANDMAN, DR. RUTH H (ALLO), b. Kassel, Germany, Sept. 8, 26; nat; m. 48; c. 3. ANTHROPOLOGY. B.A. Vassar Col, 47; M.A. Yale, 51, Ph.D. 64. Field worker ANTHROP. Columbia, 47-48; researcher, Center on Alcohol Studies, Yale, 50-51; Illinois, 54-56; lectr., American Univ, 60-64, Howard, 64-65; ASST. PROF. AMERICAN UNIV, 65- Fel. Anthropol. Asn; Ethnol. Soc. Cultural anthropology; acculturation; language and culture. Publ: Acculturation of Mexican immigrants in southern California. Address: 8408 Peck Place, Bethesda, Md. 20034.

LONDON, PROF. CHARLES E (ARL), b. Mayetta, Kans, Dec. 11, 95; m. 25; c. 2. ECONOMICS. A.B. Kansas, 20, A.M. 21; Ph.D. Illinois, 26. Asst. Illinois, 21-23, instr., 23-26; from asst. prof. to prof. ECON, DUKE, 26-65, EMER. PROF. 65; PROF. BUS. ADMIN. & GEOG. CAMPBELL COL, 65- U.S.A. 18-19. Econ. Asn. Marketing. Publ: Transportation; co-auth, Modern industry; auth, North Carolina State Ports Authority, Duke, 63. Address: Dept. of Business Administration, Campbell College, Buies Creek, N.C. 27506.

LANDRETH, PROF. CATHERINE, b. Dunedin, N.Z., July 20, 99; nat. PSYCHOLOGY. B.Sc. Otago, N.Z., 21; M.S. Iowa State Col, 26; Spelman Mem. fel., 29-30; Ph.D. (psychol), California, 36. Asst. prof. CHILD PSYCHOL, Ohio State, 34; Chicago, 36-38; PROF. CALIFORNIA, BERKELEY, 38- Psychol. Asn; Soc. Res. Child Develop. Social perception of young children; parent-child interaction; early childhood education. Publ: Education of the young child; Psychology of early childhood; Early childhood: behavior and learning. Knopf, 67. Address: 2465 Hilgard Ave, Berkeley, Calif. 94709.

LANDRUM, DR. OPAL VIRGINIA, b. Quinton, Ala, Nov. 17, 18. PUBLIC ADMINISTRATION. A.B. Ala. Col, 35; M.A. American Univ, 55, Ph.D. (pub. admin), 65. Teacher, pub. sch, Ala, 35-42; Ord. Dept. employee, War Dept., Augusta Arsenal, Ga, Navajo Ord. Depot, Ariz. & Anniston Ord. Depot, Ala, 42-46; admin. asst. & planning officer, heraldic br, res. & develop. activity, Off. Qm. Gen, U.S. DEPT. ARMY, 47-51, planning asst., 51-53, planning officer, 53-56, heraldic prog. adminstr., 56-60, HERALDIC PROG. MGR. & EXEC. ASST. TO COMMANDING OFFICER, INST. HERALDRY, 60- AAAS; Polit. Sci. Asn; Acad. Polit. & Soc. Sci; Co. Mil. Historians. Program of the United States; government design and development of symbolic items for official use; planning and programming; interdepartmental coordination. Publ: The heraldic program of the United States Department of the Army: an analysis, evaluation, and interpretation, Dissertation Abstracts & Univ. Microfilms, 66. Address: 1600 S. Eads St, Apt. 822 South, Arlington, Va. 22202.

LANDRUS, PROF. WILFRED M, b. Limon, Colo, July 7, 18; m. 43; c. 1. EDUCATIONAL PSYCHOLOGY. B.A. N. Idaho Col. Ed, 48; M.A. Stanford, 49; Ed.D., Washington State, 56. Counsr., Washington State, 49-55; dean students, CHAPMAN COL, 55-58, PROF. PSYCHOL. & ED, 58-, CHMN. DIV. ED, 67-, head dept. ed, 58-67, dir. eve. col. & summer sessions, 63-65, chmn. div. residence ed. centers, 65-67. Coordinator, oper. preparation ed. planners, Elem. & Sec. Ed. Act Planning Proj. for Calif, 66-67. U.S.A.A.F., 42-46, Sgt. Personnel & Guid. Asn; Am. Sci. Affiliation. High school and college student personnel work; automated teaching devices. Publ: Study of the history and development of the student personnel program at Washington State College; Residence hall discipline. Address: Dept. of Education, Chapman College, Orange, Calif. 92666.

LANDRY, DR. RICHARD S (ABOURIN), b. Ogdensburg, N.Y., Mar. 3, 15; m. 42; c. 2. FINANCE. A.B. Amherst Col, 38; Amherst Mem. fel., Chicago, 38-39, A.M. 41, Ph.D. 52. Instr. econ, Beloit Col, 42-44, asst. prof., 44-46; Norwich, 46-49; St. Lawrence, 49-52, assoc. prof., 52-56, chmn. dept., 50-56; economist, bd. gov. Fed. Reserve Syst, Wash, D.C., 56-59, asst. to secy. bd., 59-63; ADMIN. DIR. ECON. U.S. CHAMBER COMMERCE, WASH, D.C., 63- Consult, State Power Authority, N.Y., 50. Econ. Asn. Banking; consumer credit. Publ: Money and banking; Economics of defense spending, 65 & co-auth, Understanding economics, 67, U.S. Chamber Commerce. Address: 5417 N. 19th St. Arlington, Va. 22205.

LANDSBERG, HANS H (ERMAN), b. Posen, Germany, Sept. 9, 13; nat; m. 45; c. 1. ECONOMICS. B.Sc. London Sch. Econ, 36; M.A. Columbia, 41. Statist. clerk, Nat. Res. Proj, Pa., 36-39; asst. agr. prod. res, Nat. Bur. Econ. Res., 39-42; economist, Off. Strategic Servs, 42-45; UNRRA, Italy, 46, UN Food & Agr. Orgn, D.C., 47; food requirements & supply, Italian Tech. Del., 47-48; sect. chief, off. int. trade, U.S. Dept. Commerce, 48-50; economist, off. econ. adv. Govt. Israel, D.C., 50-55; assoc. econ. consult, Gass, Bell & Assocs., 55-59; res. assoc., RESOURCES FOR FUTURE, INC., 59-60, DIR. RESOURCE APPRAISAL PROG., 61- Summer, vis. lectr., Colorado, 62. Consult, Nat. Adv. Cmn. Food & Fiber, 66-67. Mem. panel mineral econ. & resources, cmt. mineral sci. & tech, Nat. Acad. Sci., 66-68. Econ. Asn. Agricultural economics, especially farm policy; economic development; economics of resource use and management. Publ: Co-auth, American agriculture, 1899-1939; Resources in America's future, 63 and auth, Natural resources for U.S. growth, 64, Johns Hopkins. Address: 2314 Ashboro Dr, Chevy Chase, Md. 20015.

LANDSBERGER, PROF. HENRY A (DOLF), b. Dresden, Germany, Aug. 5, 26; nat; m. 51; c. 3. SOCIOLOGY, PSYCHOLOGY. B.S. London, 48; Ph.D. Cornell, 54. Res. assoc., N.Y. State Sch. Indust. & Labor Rels, Cornell, 54-55; asst. res. officer indust. sociol, inst. statist, Oxford, 55-56; asst. dir. soc. sci. res. center, CORNELL, 56-58, asst. prof. INDUST. RELS, N.Y. STATE SCH. INDUST. & LABOR RELS, 58-60, assoc. prof., 60-65, PROF. 65- Prof., faculty econ. sci., Cjile, 62, hon. mem. faculty 65. Consult, Ford Found, Gen. Elec. Co, Int. Bus. Mach. Corp. & Brookings Inst, 59-61; Int. Inst. Labor & Soc. Studies, 67- Sociol. Asn; Psychol. Asn; Indust. Rels. Res. Asn; Latin Am. Studies Asn. Interaction and leadership in small groups; social psychology of mediation; industrial bureaucracy; trade union democracy; sociology of labor relations in industrializing societies; peasant movements and rural organization. Publ: Ed. & contrib, Latin American peasant movements, Cornell, 68; auth, Latin American labor elite: is it revolutionary, In: Elites in Latin America, 67; Behavioral science in industry, Indust. Rels, 67. Address: New York State School of Industrial & Labor Relations, Cornell University, Ithaca, N.Y. 14850.

LANDSMAN, PROF. THEODORE, b. Rochester, N.Y., Jan. 24, 22; m. 48; c. 3. PSYCHOLOGY. Ph.D. (psychol), Syracuse, 50. Asst. prof. psychol, Delaware, 49-51; assoc. prof., Vanderbilt, 51-58; PROF. ED. FLORIDA, 58- Consult, Vet. Admin; U.S. Dept. Labor, 65-68. U.S.A.A.F., 43-46. Psychol. Asn. Psychotherapy; phenomenological psychology. Publ: An investigation of nondirective group therapy with students in academic difficulty, J. Consult. Psychol; Four phenomenologies, J. Individual Psychol; Existentialism in counseling: the scientific view, Personnel & Guid. J., 65. Address: College of Education, University of Florida, Gainesville, Fla. 32601.

LANDSTROM, DR. KARL S (IGURD), b. Lebanon, Ore, Feb. 12, 09; m. 37; c. 2. ECONOMICS. A.B. Oregon, 30, A.M. 32; fel., California, 30-31; J.D. George Washington, 59. Asst. bus. admin, Oregon, 31-32; agr. economist land econ. res, U.S. Dept. Agr., 37-42, 46-48; land use & disposal, bur. land mgt, U.S. Dept. Interior, 49-58; land mgt. cmt, U.S. House Rep., 59-60; dir. bur. land mgt, U.S. DEPT. INTERIOR, 61-63, STAFF ASST., 63- U.S.A. 42-45, Col. Agr. Econ. Asn; Soc. Range Mgt; Bar Asn. Public land administration; land and water resource use and conservation; economics of military government and civil affairs. Address: 510 N. Edison St, Arlington, Va. 22203.

LANDUYT, DEAN BERNARD F (RANCIS), b. Monmouth, Ill, Mar. 22, 07; m. 28. ECONOMICS, FINANCE. B.Ed. West. Ill. State Col, 29; M.A. Iowa, 36, Ph.D. (econ), 38; M.A. Columbia, 43. From instr. to prof. econ, DETROIT, 38-63, master bus. admin. prog., 42-63, DEAN COL. BUS. & ADMIN., 63- Cmmr., Detroit Street Railways. U.S.N.R., 42-46, Comdr. Econ. Asn; Finance Asn. Administration; securities and investment markets. Publ: Co-auth, Administrative strategy and decision making; auth, Economic Problem of population pressure, Thought; Democracy and material welfare, Rev. Soc. Econ. Address: 19780 Canterbury, Detroit, Mich. 48221.

LANDWARD, DR. JOHN M, Psychol, see 10th ed, Soc. & Behav. Vols.

LANDY, PROF. D (AVID), b. Savannah, Ga, June 17, 17; m. 49; c. 3. ANTHROPOLOGY. B.A. North Carolina, 49, fel. & M.A., 50; Ph.D. (soc. anthrop), Harvard, 56. Asst. dir. family life proj, Puerto Rico, 51-52, instr. anthrop, 52; res. sch. soc. work, Boston, 54-56; co-prin. investr. proj. rehab. ment. ill. Mass. Ment. Health Center, 56-60; assoc. prof. ANTHROP. grad. sch. pub. health & dept. anthrop, PITTSBURGH, 60-63, PROF. & CHMN. DEPT., 63-, chmn. acad. senate cmt. ed. policies, 65-67. Res. assoc., Harvard Med. Sch., 56-60. Fel. AAAS; Soc. Appl. Anthropol; Ethnol. Soc; Am. Indian Ethnologist. Conf; fel. Anthropol. Asn. Primitive and folk medicine; human socialization; comparative medical systems; medical anthropology; psychological anthropology. Publ: Tropical childhood; Halfway House. Address: Dept. of Anthropology, University of Pittsburgh, Pittsburgh, Pa. 15213.

LANDY, DR. EDWARD, b. Boston, Mass, May 17, 10; m. 35; c. 1. PSYCHOLOGY. Ed.D. (counseling), Harvard, 42. Dir. high sch, N.J., 41-47; DIR. DIV. COUNSELING SERV, NEWTON PUB. SCHS, 47- ASST. SUPT., 60- Lectr. & res. assoc., Harvard, 51- U.S.A.A.F., 44-45. Psychological counseling; organization and administration of school guidance programs; follow-up studies. Publ: Occupational follow-up and adjustment service manual; Occupational adjustment and the school; Guidance in American education, I, II & III, Harvard Univ. Address: 88 Chestnut St, West Newton, Mass. 02165.

LANE, PROF. CHARLES (FRANKLIN), Phys. Geog, see 11th ed, Phys. & Biol. Vols.

LANE, DR. EDGAR, Polit. Sci, see 10th ed, Soc. & Behav. Vols.

LANE, DR. ELLEN A (MSTER), b. Cleveland, Ohio, Jan. 8, 26; m. 48; c. 3. PSYCHOLOGY. A.B. Conn. Col, 48; M.A. Western Reserve, 54, Ph.D. 58. Intern., Cleveland State Hosp, 55-56; NAT. INST. MENT. HEALTH RES. SCHOLAR. PSYCHOL. CASE WESTERN RESERVE, 61- Psychol. Asn. Intelligence test results from childhood of adult schizophrenics and their relationship to adult pre-morbid, morbid and post-morbid intellectual func-

tioning. Publ: The intelligence of spouses of schizophrenics, *Psychol. Record*, 17: 477-481; The influence of sex and race on process-reactive ratings of schizophrenics, *J. Psychol.*, 68: 15-20; co-auth, On childhood intellectual decline of adult schizophrenics: a reassessment of an earlier study, *J. Abnorm. Psychol.*, 73: 174-177. Address: Psychology Bldg, Case Western Reserve University, Cleveland, Ohio 44106.

LANE, DR. G(EOGE) GORHAM, *Psychol.*, see 10th ed, *Soc. & Behav. Vols.*, deceased 67.

LANE, PROF. HELEN S(CHICK), b. Columbus, Ohio, Feb. 24, 06; m. 36. *PSYCHOLOGY*. B.A., Ohio State, 26, M.A., 28, scholar, 28-30, Ph.D. (exp. psychol.), 30. Asst. psychologist & instr. ed. psychol, CENT. INST. DEAF, WASHINGTON (ST. LOUIS), 30-32, psychologist, 32-36, PRIN, 41-, PROF. ED, GRAD. INST. ED, 61-, registrar, teachers training col, 34-41, asst. prof. psychol, univ, 36-41, assoc. prof, 41-61. Civilian with Off. Sci. Res. & Develop. AAAS; fel. *Psychol. Asn.*; Alex. Graham Bell Asn. for Deaf (pres, 66-69); Coun. Ed. of Deaf (treas, 66-68). Mental tests of the deaf and speech defective; educational tests for the deaf; differential diagnosis of deafness and congenital aphasia. Publ: Co-auth, Deaf children, In: *Hearing and deafness*; Education of the deaf child, In: *Twentieth Century speech and voice correction* & The hard-of-hearing, In: *Psychological aspects of physical disability*. Address: Central Institute for the Deaf, 818 S. Euclid, St. Louis, Mo. 63110.

LANE, DR. JOHN C(HARLES), b. Hannover, Germany, Jan. 7, 29; nat; m. 61; c. 2. *POLITICAL SCIENCE*. B.A., California, Los Angeles, 54; Ph.D., Columbia, 60. Lectr. polit. sci, City Col. New York, 57-59; Columbia, 60; ASSOC. PROF. POLIT. SCI, STATE UNIV. N.Y. BUFFALO, 60- Lectr., Brooklyn Col, 57-59. Polit. Sci. Asn.; Law & Society Asn. Comparative politics. Address: Dept. of Political Science, State University of New York at Buffalo, Buffalo, N.Y. 14214.

LANE, PROF. LEONORA CARRINGTON, *Psychol.*, see 10th ed, *Soc. & Behav. Vols.*

LANE, DR. PAUL A, b. Quincy, Mass, Oct. 29, 23; m. 46; c. 4. *PSYCHOLOGY*. B.A., Massachusetts, 51, M.Sc., 52; Ph.D., Connecticut, 59. Psychologist, Mansfield Training School, 52-54; personnel administrator, Modular Corp, 55-57; from instr. to ASSOC. PROF. *PSYCHOL.*, BRIDGEPORT, 58-; DIR. VOC. REHAB. & COOP. ED. PROJ, 65- Dir, Dr. H.P. Dinan Eval. Center, 65- Consult, Conn. State Dept. Ed. & Mayor, City of Bridgeport, 66- U.S.N.R., 43-46. *Psychol. Asn.*; Rehab. Asn. Human motivation and personality development. Publ: Nonintellectual characteristics associated with academic failure; Lamli: a measure of aspired motivation; co-auth, Educational backgrounds of teachers who differ in attitudes toward child behavior, *Psychol. Reports*, 67. Address: Dept. of Psychology, University of Bridgeport, Bridgeport, Conn. 06602.

LANE, DR. ROBERT C(HESTER), b. New York, N.Y., Apr. 14, 21; m. 43; c. 3. *PSYCHOLOGY*. B.S., City Col. New York, 42, M.S., 43; Ph.D. (psychol.), N.Y. Univ, 54. Psychologist, United Transformer Co, 42; psychologist & instr, testing & adv. center, reading clin, N.Y. Univ, 46-47; psychologist, Westchester Co. Ment. Hyg. Clins, N.Y., 47-48; chief clin. psychologist, Reading Res. Center, Stamford, Conn, 48-50; chief clin. psychologist, N. Shore Psychiat. Center, N.Y., 50-60; PRACTICING PSYCHOLOGIST, 60- Supv. psychologist, Kingsbridge & FDR Vet. Admin. Hosp, N.Y., 48-54; psychotherapist, Univ. Consult. & Treatment Center, 54-57; L.I. Sch. Ment. Health, 63-64; dir. family ther., Huntington Twp. Ment. Health Clin, 63-, coordinator of training & faculty, 66-; faculty, L.I. Sch. Psychother, 64-66, dean of training, 65-66; exec. dir., Nassau Psychol. Serv. Inst, 66- Consult. psychologist, 50-62. Mem. planning cmt, postdoctoral prog. psychother, Adelphi, 58-63; rep. bd. affiliation, Coun. Psychoanal. Psychother, 66- U.S.A., 42-46. *Psychol. Asn.* Psychotherapy; diagnostic testing; perception. Publ: Co-auth, Relation between the intensity of a need and the amount of perceptual distortion & Need as a determinant of perception, *J. Psychol.* Address: 19 Devonshire Court, Plainview, N.Y. 11803.

LANE, PROF. ROBERT EDWARDS, b. Philadelphia, Pa, Aug. 19, 17; m. 44; c. 2. *POLITICAL SCIENCE*. B.S., Harvard, 39, Littauer fel, 46, univ. fel, 46-48, Ph.D. (polit. econ, govt), 50. Instr. POLIT. SCI, YALE, 48-51, asst. prof, 51-57, assoc. prof, 57-62, PROF, 62- Ford Fund Adv. Ed. fel, 53-54; Soc. Sci. Res. Coun. fel, 55-58; fel. Center Adv. Study Behav. Sci. Award, behav. sci. div, Ford Found, 56. Mem. adv. cmt. soc. sci, Nat. Sci. Found, 68. U.S.A.A.F., 42-46, Capt. Polit. Sci. Asn.; Sociol. Asn.; Am. Acad. Arts & Sci. Political behavior; public opinion; personality and politics. Publ: Liberties of wit; Political ideology; co-auth, Public opinion, Prentice-Hall, 64. Address: 670 Prospect St, New Haven, Conn. 06511.

LANE, DR. ROGER, *Am. Hist.*, see 5th ed, *Dir. Am. Scholars*, Vol. I, *Hist.*

LANE, PROF. STEWART H(ARVEY), b. Sask, Feb. 16, 18; m. 49; c. 2. *AGRICULTURAL ECONOMICS*. B.S.A., Saskatchewan, 39, M.Sc., 41. Asst. econ. div, Can. Dept. Agr, 39-42; farmer, 42-46; asst. prof. AGR. ECON, ONT. AGR. COL, GUELPH, 46-48, PROF, 58-, CHMN. DEPT, 62- V.chmn, Ont. Milk Cmn. & mem. Ont. Econ. Coun, 65- Am. Agr. Econ. Asn; Soil Conserv. Soc; Can. Agr. Econ. Soc. (v-pres, 60-61, pres, 66-67); Agr. Inst. Can; Int. Asn. Agr. Econ. Agricultural business management. Address: Dept. of Agricultural Economics, Ontario Agricultural College, University of Guelph, Guelph, Ont, Can.

LANE, PROF. SYLVIA, b. New York, N.Y., May 16, 16; m. 39; c. 3. *ECONOMICS*. A.B., California, 34, M.A., 38; Ph.D., Southern California, 57. From lectr. to asst. prof. econ, Southern California, 47-60; ASSOC. PROF. econ, San Diego State Col, 61-65; FINANCE & ECON, CALIF. STATE COL. FULLERTON, 65-, CHMN. DEPT. FINANCE, 67- Econ. consult, State of Calif, 65-; President's Cmt. Consumer Interests, 66- Econ. Asn. Economic theory; economic growth and development; finance; monetary theory; public finance. Publ: Co-auth, Personal finance, Wiley, 63; auth, Insurance tax, Assy. Calif. Legis. State Calif, 65. Address: Dept. of Finance, California State College at Fullerton, 800 N. State College Blvd, Fullerton, Calif. 92631.

LANE, DR. WALLACE, *Prev. Med.*, see 11th ed, *Phys. & Biol. Vols.*

LANE, DR. W(ALTER) CLAYTON, b. Albany, N.Y., Sept. 11, 26. *SOCIOLOGY*. A.B., Goddard Col, 50; M.A., Stanford, 53, Ph.D. (sociol), 61. Asst. prof. SOCIOLOG, SAN JOSE STATE COL, 59-65, ASSOC. PROF, 65- Vis. assoc. prof, Oregon, 65-66, assoc. dir. & res. coordinator, center res. occup. planning, 65-66. U.S.N., 44-46. Sociol. Asn. Stratification; sociology of education; social psychology. Publ: Co-auth, The index of class position: an improved intercommunity measure of stratification, 4/63, Structural supports for upward mobility, 10/63 & Social mobility and social isolation: a test of Sorokin's dissociative hypothesis, 4/67, *Am. Sociol. Rev.* Address: Dept. of Sociology, San Jose State College, San Jose, Calif. 95114.

LANE, WILLIAM P(ERRY), b. Newark, Ohio, Apr. 16, 28; m. 60; c. 1. *PSYCHOLOGY*. B.A., Florida, 51, M.A., 53, 57-60. Indust. intern, Byron Harless & Assocs, Inc, 56-57; res. psychologist, dept. psychol. res, U.S. Naval Personnel Res. Activity, 60-61, dept. new develop, 61-64; HEAD DATA & REPORTS BR, MANPOWER SURV. DIV, OFF. NAVAL INSPECTOR GEN, 64- U.S.N.R., 53-56, 58-, Lt. Comdr. *Psychol. Asn.* Test Construction; morale and motivation; job analysis; training and personnel research. Publ: Constancy or creativity in patterning Mosaic test performance, *J. Gen. Psychol.*; Co-auth, Self-confidence and leadership, *J. Appl. Psychol.*, 62 and Stimulus intensity and position effects on apparent movement, *J. Gen. Psychol.*, 64. Address: 7701 Arlen St, Annandale, Va. 22003.

LANEY, DR. ARTHUR RUFUS, JR, b. Chicago, Ill, Jan. 19, 13; m. 37; c. 3. *PSYCHOLOGY*. A.B., George Washington, 47, A.M., 49, Ph.D., 57. From asst. to DIR. PERSONNEL, RES. & TRAINING, WASH. GAS LIGHT CO, 35- Lectr., George Washington, 49- Consult, U.S. Opers. Mission, Chile, 59-60. *Psychol. Asn.* Psychological test validation; personality evaluation; leadership development and sociometry. Publ: Validity of employment tests for gas-appliance service personnel, *Personnel Psychol.* Address: 1115 30th St, N.W., Washington, D.C. 20007.

LANFEAR, DR. VINCENT W(ESLEY), b. Elgin, Tex, Jan. 2, 94. *ECONOMICS*. A.B., Texas, 17, A.M., 19; Chicago, 19, 20; Ph.D., Columbia, 23. Instr. mil. aeronaut, Texas, 17-18, econ, 18-20, asst. prof, 20-21; instr, Columbia, 21-22; asst. prof. polit. econ, Yale, 22-24; prof. finance, PITTSBURGH, 24-60, dir. eve. div. & dean men, 34-41, EMER. PROF. FINANCE & EMER. DEAN, SCH. BUS. ADMIN, 60- Trustee, Found. Econ. Ed. Econ. Asn; Adult Ed. Asn. Business fluctuations and the American labor movement; metal industry of New York City and environs. Address: 710 Linwood Dr, Denton, Tex. 76201.

LANG, DEAN A(LDON) S(OCRATES), b. North Zulch, Tex, Jan. 19, 97. *ECONOMICS*. A.B., Baylor, 22; A.M., Iowa, 25; Ph.D., Texas, 31. Instr. econ, Baylor, 26-28; asst. prof, 28-31, assoc. prof, 31-32, prof. & dir. dept. 32-37; prof. econ. & bus. admin. & dir. dept, Tex. State Col. Women, 37-48; dean, HANKAMER SCH. BUS., BAYLOR, 48-67, EMER. DEAN & PROF. ECON, 67- Publ: Financial history of public lands in Texas: Business in an age of anxiety; Dynamics of American capitalism, *Baylor Bus. Studies*, 66. Address: Dept. of Economics, Hankamer School of Business, Baylor University, Waco, Tex. 76706.

LANG, DR. FRANK, b. U.S., Mar. 25, 20; m; c. 1. *MANAGEMENT SCIENCE*. B.B.A., Tulane, 40; M.B.A., Ohio State, 43; Ph.D., Columbia, 50. Chief statistician, Nationwide Ins. Co, 41-44; res. dir, Asn. Casualty & Surety Co, 44-53; PRES, FRANK LANG & ASSOCS. & COORD. & MGT. SERV, INC, N.Y. & ILL, 53-; SPEC. MGT. CONSULT, 53- Mem. univ. sem, Columbia, 52-61, participant, orgn. & mgt. in a dynamic soc. seminar. Econ. Asn; Soc. Adv. Mgt; Mgt. Asn; Mkt. Asn. Development and practical application of scientific management and marketing methods to insurance, financial and service businesses. Publ: Workmens compensations insurance: monopoly or free competition; Application of public relations management to big business; Operating trends as seen from the President's desk. Address: 521 Fifth Ave, New York, N.Y. 10017.

LANG, PROF. GERHARD, b. Mannheim, Germany, Mar. 19, 25; nat; m. 61; c. 2. *PSYCHOLOGY*. B.S., City Col. New York, 52, M.A., 54, fel, 54-55; Ph.D. (psychol), Columbia, 58. Res. asst. & consult, City Col. New York, 55-58; instr. psychol, Fairleigh Dickinson, 58-59, asst. prof, 59-63, assoc. prof, 63-64; res. assoc. personnel selection, Bd. Exam, Bd. Ed, New York, 64-66; ASSOC. PROF. *PSYCHOL.*, MONTCLAIR STATE COL, 66- Lectr., City Col. New York, 58-60; vis. instr, Paterson State Col, 60-61. Res. consult, Nat. Curriculum Res. Inst, 60-; Am. Asn. Jewish Ed, 66- *Psychol. Asn.* Coun. Measurement in Ed; Ed. Res. Asn. Teacher selection procedures; research training methods; teacher-pupil relationship; development of personality and achievement tests. Publ: Co-auth, Teacher selection methods, *Coop. Res. Proj.* 6-1665 & Teacher selection policies and procedures in large public school systems in the United States, *Coop. Res. Proj.* S-334, U.S. Off. Ed, 67; co-auth, Children's perceptions of their teachers' feelings toward them related to self-perceptions, school achievement and behavior, *J. Exp. Ed*, 29: 107-118. Address: 4-39 Lyncrest Ave, Fair Lawn, N.J. 07410.

LANG, DR. GLADYS ENGEL, b. Atlantic City, N.J.; m. 50; c. 2. *SOCIOLOGY*. B.A., Michigan, 40; M.A., Washington (Seattle), 42; Ph.D. (sociol), Chicago, 54. Info. analyst, Off. War Info, 42-43; res. analyst, Off. Strategic Serv, 43-49; lectr. sociol, Carleton (Can), 55-56; Brooklyn Col, 57-59; Queens Col, 59-65; sr. res. sociologist, CENTER URBAN ED, 65-67, ASST. DIR, 67- Res. assoc, N.Y. State Cmn. Against Discrimination, 57; vis. prof, Washington (St. Louis), summer 64; res. assoc, grad. sch. journalism, Columbia, 64-65, seminar assoc, 64-, chmn, 67-68; vis. assoc. prof, Rutgers, 65-66. Consult, N.Y. State Cmn. Human Rights, 59. Asn. Pub. Opinion Res; fel. Sociol. Asn. (Edward L. Bernays award, 52); Soc. Study Soc. Probs. Collective behavior; mass communications; public opinion; political sociology. Publ: Co-auth, Collective dynamics, Crowell, 61, Politics, and television, Quadrangle, 68 & Voting and nonvoting, Blaisdell, 68. Address: Center for Urban Education, 105 Madison Ave, New York, N.Y. 10016.

LANG, PROF. GOTTFRIED O(TTO), b. Oberammergau, Germany, Mar. 24, 19; nat; m. 48; c. 7. ANTHROPOLOGY. A.B. Brown, 44; M.A. Chicago, 51; Soc. Sci. Res. Coun. fel, 53-54; Ph.D.(anthrop), Cornell, 54. Asst. ANTHROP. Cornell, 52-53, asst. prof, Catholic Univ, 54-58, assoc. prof, 58-63, prof, 63-66; PROF. ANTHROP. COLORADO & DIR. PROG. RES. CULTURE CHANGE, INST. BEHAV. SCI, 66- Nat. Sci. Found. grant, 61; Fulbright vis. prof. Munich, 61-62; Nat. Insts. Health grant 63-64; U.S. Pub. Health Serv. grant, 64-65. Consult, Ute Indian Tribe, 50-54; planning div, Indian Bur, U.S. Dept. Interior, 53-55. U.S.A.A.F., 44-46. Fel. AAAS; fel. Anthropol. Assn; fel. Sociol. Assn; Ethnol. Soc; Soc. Appl. Anthropol. North American Indians; East Africa; acculturation and culture change; anthropology methodology. Publ: Economic development and self determination: the Northern Ute Case, Human Orgn; co-auth, Problems of social and economic change in Sukumaland, Tanganyika, Anthropol. Quart, 62; auth, Culture, In: New Catholic Encyclopedia, 66. Address: Institute of Behavioral Science, University of Colorado, Boulder, Colo. 80302.

LANG, DR. JAMES K(ENDEL), b. Wichita, Kans, Aug. 23, 26; m. 45; c. 1. PSYCHOLOGY. B.A. Ohio State, 51, M.A., 53, Ph.D.(speech & hearing sci), 65. Prin. psychologist, Battelle Mem. Inst, 53-56; dir. opers. res, Suburban Motor Freight, Inc, 57-59; res. psychologist, speech & hearing res. lab, Ohio State, 59-64; asst. prof. SPEECH & HEARING SCI, BROOKLYN COL, 64-67, ASSOC. PROF. & HEAD SPEECH & HEARING RES. LAB, 68- Consult, auditory res. lab, Princeton, 65-; adj. prof, Rutgers, 66-67. Psychol. Assn; Speech & Hearing Assn; Acoustical Soc. Am; Audio Eng. Soc. Lombard effect on sustained phonation; relationship between non-fluencies and environmental consequences; examination of some variables of language and their relationship to levels of socio-economic status. Publ: Co-auth, Variables of acoustic performance of hearing aids, (in press); co-auth, Articulation-gain function of CNC words, (in press), auth, Variability of measures of audibility in Bekeasy audiometry, (in press), Address: 5 Beech Lane, Edison, N.J. 08817.

LANG, REV. JOVIAN PETER, O.F.M., Speech & Hearing Ther, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

LANG, PROF. KURT, b. Berlin, Germany, Jan. 25, 24; nat; m. 50; c. 2. SOCIOLOGY. B.A. Chicago, 49, M.A. 52, Ph.D. 53. Invest. denazification, U.S. Off. Mil. Govt, Germany, 45-46, res. analyst pub. opinion, 46-47; res. assoc. psychol. warfare, Chicago, 49-51; asst. prof. sociol, Miami (Fla), 53-54; res. sociologist, Can. Broadcasting Corp, 54-56; from instr. to assoc. prof. SOCIOL, Queens Col.(N.Y.), 56-64; PROF, STATE UNIV. N.Y. STONY BROOK, 64- Mem. faculty, Am. Studies Seminar, Salzburg, 61. U.S.A., 43-46, Sgt. Fel. Sociol. Assn.(Bernays award, 52); Soc. Study Social Probs; Asn. Pub. Opinion Res. Mass communications, particularly the relation of television and politics; military organization; social movements. Publ: Co-auth, Collective dynamics, Crowell, 61 & Television and politics, Quadrangle, 68; auth, Military sociology, Current Sociol, 65. Address: Dept. of Sociology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.

LANG, PROF. PETER J(OHN), b. Buffalo, N.Y., Sept. 1, 30; m. 55; c. 2. PSYCHOLOGY. B.A. Denison, 50; M.A. Buffalo, 52, fel. 56-58, Ph.D.(psychol), 58. Clin. psychol. technician, U.S. Army Hosp, Ft. Knox, Ky, 55-56; asst. prof. PSYCHOL, Pittsburgh, 58-63, assoc. prof, 63-64; WISCONSIN, 64-66, PROF, 66- Nat. Inst. Ment. Health res. grants, 59, 60- Consult, Vet. Admin. Hosp. & Ment. Hyg. Clin, 59- AAAS; Psychol. Assn; Soc. Clin. & Exp. Hypnosis; Soc. Psychophysiol. Res. Psychophysiology; emotion; psychotherapy; psychosis. Publ: Co-auth, Mechanics of desensitization and the laboratory study of human fear, McGraw, (in press), Effects of feedback and instructional set on the control of cardiac rate variability, J. Exp. Psychol, 75: 425-431 and Avoidance conditioning therapy of an infant with chronic ruminate vomiting, J. Abnorm. Psychol, (in press). Address: 330 Psychol. Bldg, University of Wisconsin, Madison, Wis. 53706.

LANG, PROF. REGINALD D(EFOE), b. Marine City, Mich, Nov. 5, 03. GOVERNMENT. A.B. Michigan, 25; fel, California, 28-31; A.M. Harvard, 29. From instr. to KELLOGG PROF. INT. RELS. & CO-CHMN. DEPT. GOVT. & INT. RELS, CARLETON COL, 44- Lectr, Col. of Europe, Belgium, 51, 56; Ford Found. faculty fel, 52. Mem. Am. Coun. on NATO, 55-; U.S. del, Atlantic Cong, London, Eng, 59. Soc. Int. Law; Int. Polit. Sci. Assn. International relations and law; problems of European federation; North Atlantic Treaty Organization. Address: Dept. of Government & International Relations, Carleton College, Northfield, Minn. 55057.

LANG, DR. RICHARD O, b. Toledo, Ohio, Feb. 23, 07; m. 36; c. 1. BUSINESS ECONOMICS. Ph.B. Chicago, 31, A.M. 32, Henderson fel, 35-36, Ph.D. 36. Instr. soc. psychol, George Williams Col, 35; soc. statistician, U.S. Cent. Statist. Bd, 36-37; Soc. Sci. Res. Coun. fel, Europe, 37-38; soc. sci. analyst, U.S. Bur. Census, 38-40; chief statistician, off. undersecy. war, U.S. Dept. War, 40-42, res. analyst, off. chief of staff, 44-46; liaison rep, munitions assignments bd, Combined Chiefs of Staff, London, Eng, 42-44; economist, S.C. JOHNSON & SON, INC, 46-55, regional dir, INT. DIV, 55-60, INT. ADMINSTR, 60- Instr. grad. eve. sch, U.S. Dept. Agr, 38-42; staff analyst, U.S. Strategic Bombing Surv, Japan, 45; lectr, indust. mgt. inst, Wisconsin, 46-; dep. dir, off. indust. resources, For. Opers. Admin, 54-55. Spec. consult, Econ. Coop. Admin, Europe, 50; Trustee, Johnson Found, 49-55; Johnson Wax Fund, 61- Mem. res. & statist. adv. cmt, Nat. Selective Serv. Hq, 40-45; regional econ. stabilization bd, Off. Emergency Planning, 59-65; cmt. commercial policy, U.S. Coun. Int. Chamber Commerce, 61-; Regional Export Expansion Coun. Wis, 63-; dir, Bus. Coun. Int. Understanding, 63- Econ. Assn; Statist. Assn; Sociol. Assn; Pop. Assn. Am; Coun. Int. Progress Mgt. Census of the city of Chicago; government statistical organizations; business conditions. Address: 200 Old Pine Circle, Racine, Wis. 53402.

LANGBEIN, PROF. LELAND H(ENRY), b. New Brunswick, N.J., Aug. 2, 15; m. 50; c. 4. ECONOMICS, BUSINESS ADMINISTRATION. B.Sc. Rutgers, 36; M.S. Pittsburgh, 49, M.Litt, 50, Ph.D. 60. Elec. engr, Gibbs & Hill, Inc, 36-37; Jersey Cent. Power & Light Co, 37-40; admin. officer, U.S. Army, 40-49, indust. trainee, Gulf Oil Corp, Pa, 49-50, admin. officer, Off. Secy. Defense, D.C. 50-54, petrol. officer, Hq, Europe Commun. Zone, France, 54-56, exec. officer, Qm. Corps, Res. Lab, Mass, 57, asst. prof. mil. sci,

Pittsburgh, 57-61, lectr. bus. admin, 60-61; assoc. prof. ECON, Muskingum Col, 61-63; MONMOUTH COL, 63-65, PROF, 65- Mem. Ford Found. Basic Inst. Appl. Math, 61-62. U.S.A., 40-61, Lt. Col; Cert. of achievement, 61. Econ. Assn; Transportation Res. Forum. Publ: International transportation of petroleum and petroleum products. Address: Dept. of Business Administration, Monmouth College, Cedar Ave, West Long Branch, N.J. 07764.

LANGDALE, PRES. N(OAH), JR, b. Valdosta, Ga, Mar. 29, 20; m. 44; c. 1. SOCIOLOGY, ECONOMICS. B.A. Alabama, 41, LL.D. 59; LL.B. Harvard, 48, M.B.A. 50. Instr. psychol, Valdosta State Col, 54-55, asst. prof. sociol. & econ, 55-57, chmn. dept. acct, econ. & bus. admin, 57; PRES, GA. STATE COL, 57- Lectr, U.S. Armed Serv. Europe; inst. lectr, Chamber Commerce of U.S. Past mem, U.S. Adv. Cmn. Ed. Exchange. Ga. Assn. Broadcasters award, 62; Sports Illustrated silver anniversary all-Am. award, 68; Secy. Army outstanding civilian serv. medal, 66. U.S.N.R., 42-46, Lt. Administrative practices in modern industrialized societies; group controls; psychology of executive leadership and stimulation. Address: Georgia State College, 33 Gilmer St. S.E., Atlanta, Ga. 30303.

LANGDON, PROF. FRANK C, b. La Grange, Ill, June 4, 19; m. 56; c. 2. COMPARATIVE & INTERNATIONAL POLITICS. A.B. Harvard, 41, M.A., 49; Ph.D.(polit. sci), California, 53. Analyst, Hq. Supreme Cmdr. Allied Powers, U.S. Dept. Army, 46-47; sr. lectr, Canberra Univ. Col, Australia, 55-58; asst. prof. POLIT. SCI, BRITISH COLUMBIA, 58-63, assoc. prof, 63-67, PROF, 67- Can. Coun. grant, 62-63. Officer, Int. Polit. Finance Study Group, 63-65; mem, Center Japanese Soc. & Polit. Studies. U.S.N.R., 41-46, Res, 46-60, Lt. Cmdr. Am. Polit. Sci. Assn; Can. Polit. Sci. Assn; Int. Studies Assn; Int. Polit. Sci. Assn. Contemporary Japanese foreign policy. Publ: Politics in Japan, Little, 67; co-auth, Business associations and the financing of political parties, Martinus Nijhoff, in press; Big business lobbying in Japan: the case of central bank reform, Am. Polit. Sci. Rev. Address: Dept. of Political Science, University of British Columbia, Vancouver 8, B.C., Can.

LANGDON, PROF. GEORGE, b. Plymouth, Pa, Jan. 3, 21; m. 49; c. 2. GEOGRAPHY. B.S. Pa. State, 42, M.S. 47; fel, Clark, 50-51, Ph.D.(geog), 52. PROF. GEOG, Mansfield State Col, 47-56; WEST CHESTER STATE COL, 56- Prof. State Univ. N.Y. Col. Ed.(Buffalo), 54-58; lectr, Delaware, 56- U.S.A.A.F. 43. Asn. Am. Geog; Coun. Geog. Ed. Regional and urban geography; geography of Latin America. Publ: Co-auth, Exploring earth environments—a world geography, Crowell, 64; auth, Utilization of the comparative method in the analysis of geographical regions & Mesabi range: a fabulous iron ore producer shows evidence of decline. Address: Dept. of Geography, West Chester State College, West Chester, Pa. 19380.

LANGE, DR. CARL J(AMES), b. Seneca, Pa, June 1, 25; m. 50; c. 2. PSYCHOLOGY. B.S. Duke, 45; M.S. Pittsburgh, 48, Ph.D. 51. Assoc. personnel psychologist, Am. Inst. Res, 48, proj. dir, 51; asst. Pittsburgh, 49-50; sr. psychologist, U.S. Govt, D.C. 52-53; task leader, leadership human res. unit, U.S. ARMY, Calif, 53-59, infantry human res. unit, 59-60, dir. res, HUMAN RESOURCES RES. OFF, 60-64, ASST. DIR. PLANNING, 64- Interim exec. dir, Cent. Atlantic Regional Ed. Lab, 66-67. U.S.N.R., 43-46, Lt.(jg). Fel. Psychol. Assn; Ed. Res. Assn. Leadership process in small groups; leadership training; military psychology and training. Publ: Films and group discussions as a means of training leaders; Study of leadership in Army infantry platoons; Leadership in Army Infantry platoons. Address: 8520 Raleigh Ave, Annandale, Va. 22003.

LANGE, PROF. CHARLES H(ENRY), b. Janesville, Wis, July 3, 17; m. 41; c. 3. ANTHROPOLOGY. B.A. New Mexico, 40, M.A. 42, Ph.D. 51. Instr. ANTHROP, Texas, 47-51, asst. prof, 51-55; asst. prof. & curator, SOUTHERN ILLINOIS, 55-58, from assoc. prof. to PROF. & CHMN. DEPT, 58- NATO fel, Tübingen, 60-61. U.S.A., 42-45. Fel. AAAS; fel. Anthropol. Assn; Soc. Am. Archaeol; Soc. Appl. Anthropol; Ethnol. Soc. Culture history of southwestern Pueblos; cultural dynamics; peoples and cultures of Europe. Publ: Cochiti: a New Mexico Pueblo, past and present; A reappraisal of evidence of plains influences among the Rio Grande Pueblos, Southwest. J. Anthropol; Role of economics in Cochiti Pueblo culture change, Am. Anthropol. Address: Dept. of Anthropology, Southern Illinois University, Carbondale, Ill. 62901.

LANGER, DR. HERBERT, b. Hamburg, Germany, Dec. 26, 23; nat; m. 56; c. 2. CLINICAL PSYCHOLOGY. B.A. N.Y. Univ, 48; M.A. Connecticut, 50; Ph.D., Purdue, 59. Trainee clin. psychol, Vet. Admin. Hosp, Indianapolis, Ind, 56-59; fel. community ment. health, Harvard Med. Sch. & Mass. Gen. Hosp, 59-60; suprv. clin. psychologist, Ulster County Ment. Health Cent, 60-63; CLIN. PSYCHOLOGIST, VET. ADMIN. MENT. HYG. CLIN. NEWARK, 63- Instr, Dutchess Community Col, 60-61; lectr, Queens Col.(N.Y.), 65-; co-adj, Rutgers, 68- U.S.A., 43-46. Psychol. Assn. Factors affecting individual and community mental health; interpersonal processes of psychotherapy; development of personality. Publ: Co-auth, Community mental health and social psychiatry: a reference guide. Address: 11 Herold Place, Metuchen, N.J. 08840.

LANGER, PROF. HENRY C(HARLES), JR, b. N.J., Mar. 7, 14. ECONOMICS, BUSINESS ADMINISTRATION. B.S. Lehigh, 36; N.Y. Univ. A.M. Columbia, 41. Asst. prof, Hartwick Col, 39-42; City Col, 42-43; Keuka Col, 43-45; Babson Inst. Bus. Admin, 45-47; PROF. ECON. & BUS. ADMIN. & CHMN. DEPT, ALFRED, 47- Econ. Assn. Establishing a social science laboratory to use in economic and business problems and relationships. Publ: The fight for work, Pageant, 65; Maintaining full employment, Am. Econ. Rev, 12/43; Credit is what you make it, Credit World, 6/56. Address: Dept. of Economics & Business Administration, Alfred University, Alfred, N.Y. 14802.

LANGER, DR. JONAS, b. Antwerp, Belgium, May 1, 36; m. 64. PSYCHOLOGY. B.A. City Col. New York, 57; M.A. Clark, 59, Ph.D.(psychol), 62. Asst. prof. PSYCHOL, CALIFORNIA, BERKELEY, 62-68, ASSOC. PROF. 68- Nat. Inst. Child Health & Develop. spec. fel, Univ. Geneva, 65-66. Soc. Res. Child Develop. Psychological development; cognitive processes; symbolic processes; genetic epistemology; educational psychology. Publ: Theories of development, Holt, 69; co-auth, Symbolic meaning and color naming,

J. Personality & Soc. Psychol, 66; Disequilibrium as a source of development, In: New directions in developmental psychology, Holt, 69. Address: Dept. of Psychology, University of California, Berkeley, Calif. 94720.

LANGER, DR. LEONARD C(HARLES) R(UDOLPH), b. Cambridge, Mass, Aug. 30, 22; m. 47; c. 3. ECONOMICS, BUSINESS ADMINISTRATION. A.B., Harvard, 47, M.B.A., 49, D.C.S., 58. Asst. prof. transportation, Georgia, 49-51; res. assoc. bus. admin. Harvard, 51-53, asst. prof., 53-59, assoc. prof., 59-60; vis. prof. financial mgt, Mgt. Develop. Inst, Switz, 60-61; treas. & chief financial officer, Star Mkt. Co, 61-64; V.PRES, MORGAN GUARANTY TRUST CO, 64- U.S.N.R., 43-46, Lt. Econ. Asn; Finance Asn. Finance, corporate financial management and security markets; commercial banking. Address: Morgan Guaranty Trust Co, 23 Wall St, New York, N.Y. 10015.

LANGER, PAUL F(RITZ), b. Berlin, Germany, Mar. 11, 15; nat. INTERNATIONAL RELATIONS. Dipl. Ecole Nat. des Langues Orient. Viv, Paris, 38; dipl. Berlin, 37; Waseda Univ, Japan, 41; M.A., Columbia, 51, Soc. Sci. Res. Coun. fel, 52. Prof. French, Merchant Marine Acad, Tokyo, 40-41; asst. cent. intel. sch. Supreme Comdr. Allied Powers, 45-47; instr. modern lang, Montezuma Sch, 47-48; lectr. Far East. hist, Claremont Colls, 48; Oriental lang, California, Los Angeles, 48-49; lectr. & res. assoc. hist, Asiatic studies & int. rels, SOUTHERN CALIFORNIA, 53-56, asst. prof. INT. RELS, 56, LECTR, GRAD. SCH. INT. RELS, 56-; STAFF MEM, RAND CORP, 61-, consult, 59-61. Res. assoc. sch. int. affairs, Columbia, 56; vis. prof. Nat. Defense Col, Tokyo, 65. Consult, Ford Found, 52-56. Mem. adv. panel, U.S. Dept. State, 67- Coun. For. Rel; Asn. Asian Studies; Hist. Asn; Japan Soc. Russo-Japanese and Sino-Japanese relations; Asian communist movements. Publ: Co-auth, Red flag in Japan; auth, Japan—yesterday and today, Holt, 66; Outer Mongolia, North Korea, North Viet-Nam, In: The communist states at the crossroads, Praeger, 65. Address: Rand Corp, 1700 Main St, Santa Monica, Calif. 90265.

LANGER, DR. PHILIP, b. New York, N.Y., Apr. 30, 27; m; c. 2. SOCIAL PSYCHOLOGY. A.B. Michigan, 48; M.A., N.Y. Univ, 51; Ph.D.(psychol, ed), 57. Teacher, N.Y. City Pub. Schs, 49-54; teaching asst. ed, Connecticut, 54-57; assoc. prof. psychol, State Univ. N.Y. Col. Potsdam, 57-59; Trenton State Col, 59-61; Utah State, 61-66, prof, 66-67; SR. PROG. ASSOC, FAR WEST LAB. ED. RES. & DEVELOP, 67- Utah State Univ. res. grant, 61-67; U.S. Off. ed. res. grant, 65-67. Psychol. Asn. Experimental analysis of behavior, especially social interaction; group Rorschachs; motor activities; response set. Publ: Co-auth, The structural-objective Rorschach test: a question of choice frequency, 65, The structural-objective Rorschach test: a question of choice location, 66 & The structural-objective Rorschach test: a question of choice intensity, 66, Perceptual & Motor Skills. Address: Far West Lab. for Educational Research & Development, Claremont Hotel, Berkeley, Calif. 94705.

LANGFORD, PROF. ROY C(LINTON), b. Cherokee, Kans, June 17, 03; m. 38; c. 2. PSYCHOLOGY. B.S. Kans. State Col, 25, M.A., 26; Ph.D.(psychol), Stanford, 34. Asst. prof. PSYCHOL, KANSAS STATE, 33-37, assoc. prof, 37-41, PROF, 41- U.S.A.A.F., 42-45, Capt. Psychol. Asn. Ocular behavior in judgment of the composition of pictures; psychology of art; experimental esthetics. Address: Dept. of Psychology, Kansas State University, Manhattan, Kans. 66502.

LANGHAM, PROF. MAX RAYMOND, b. Tamalco, Ill, Feb. 28, 30; m. 54; c. 4. AGRICULTURAL ECONOMICS. B.S. Illinois, 52; M.S., 58; fel, 59-60, Ph.D.(agr. econ), 61. Asst. AGR. ECON, Illinois, 57-59, 60; asst. prof, La. State, 60-62; FLORIDA, 62-65, ASSOC. PROF, 65- U.S.A.F., 52-56, Sgt. Agr. Econ. Asn; Econ. Asn; Statist. Asn; Economet. Soc. Production economics and econometrics; economics of the agricultural use of pesticides; application of simulation to problems of citrus industry; economic development models. Publ: Game theory applied to a policy problem of rice farmers, J. Farm Econ, 2/63; co-auth, Programmed production responses on dairy farms in northeastern Illinois, Ill. Agr. Exp. Sta. Bull, 3/65; auth, A dynamic linear programming model for development planning, In: Ed, W.W. McPherson, Economic development of tropical agriculture-theory, policy, strategy and organization, Univ. Florida Press, 68. Address: Dept. of Agricultural Economics, University of Florida, Gainesville, Fla. 32601.

LANGHOFF, DR. SEVERIN PETER, JR., b. Peoria, Ill, Apr. 21, 10; m. 56; c. 3. ECONOMICS. B.S. Illinois, 31, M.S., 32, Ph.D.(econ), 35. Economist, Rural Electrification Admin, 35-40; statistician, Fed. Works Agency, 40-42; Army Serv. Forces, 42-44, chief statistician, 44-45; dir. res. Vet. Admin, 45-46; Young & Rubicam, Inc, 47-66, v.pres, 48-64; PRES, AM. RES. BUR, INC, BELTSVILLE, 66- Lectr, grad. sch. bus, Columbia, 63-64. Consult, Cmn. Orgn. Exec. Br. Govt, 48; Off. Secy. Defense, 48-49; Off. Secy. Army, 50-54. Dir. Advert. Res. Found, 60-, chmn, 66; pres, Mkt. Res. Coun, 61-62. Econ. Asn; Statist. Asn; Mkt. Asn; Inst. Mgt. Sci. Measurement of organizational performance for management control; marketing theory and measurement; management science. Publ: Co-auth, Models measurement and marketing, Prentice-Hall, 65. Address: 7511 Hamilton Spring Rd, Bethesda, Md. 20034.

LANGHORNE, PROF. MAURICE CURTIS, b. Smithfield, Va, Oct. 2, 03; m. 37; c. 2. PSYCHOLOGY. A.B. Washington & Lee, 25, M.A., 26; Ph.D. (psychol), Ohio State, 32. Asst. prof. psychol, Emory, 32-36, assoc. prof, 36-42, prof, 43-59, chmn. dept, 40-59, asst. registr, 30-47; PROF. PSYCHOL. & CHMN. DEPT, TRINITY COL.(CONN), 59- AAAS; fel. Psychol. Asn. Age and sex difference in maze learning as related to retroactive inhibition; measurement of regional differences in attitudes; measurement of interests in student nurses. Publ: A unique regional program of psychology research and training in the south; Psychology and the other liberal arts; Roles of psychological associations. Address: Dept. of Psychology, Trinity College, Hartford, Conn. 06106.

LANGLEY, PROF. KATHLEEN M, b. Audley, Eng, Jan. 24, 28; m. 50. ECONOMICS. B.Com, Birmingham, 48, M.Com, 50. Res. officer statist. & econ, inst. statist, Oxford, 49-53; sr. lectr, col. arts & sci, Baghdad, 53-56; res. fel. Mid. East. econ, Center Mid. East. Studies, Harvard, 56-59;

from asst. prof. to ASSOC. PROF. ECON, BOSTON, 63- Vis. lectr, Colorado, 59; vis. asst. prof, Mount Holyoke Col, 63-64; vis. mem. faculty, Ibadan, 67-68. Econ. Asn; Econ. Hist. Asn. Economic development; social and economic accounting. Publ: The industrialisation of Iraq, Harvard, 61; The distribution of private capital in Great Britain, Bull. Oxford Univ. Inst. Statist, 50-54; Iraq, some aspects of the economic scene, Mid. East J, 64. Address: Dept. of Economics, Boston University, Boston, Mass. 02215.

LANGLEY, DR. LESTER DANNY, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LANGLEY, S(TANLEY) J(AMES), b. Wednesbury, Eng, Apr. 11, 21; m. 50. ECONOMICS. B.Com, Birmingham, 42, M.Com, 48. Lectr. econ, Sheffield, 48-52; prof, Baghdad, 52-56; SR. ECONOMIST, ARTHUR D. LITTLE, INC, 56- Vis. lectr, sch. adv. int. studies, Hopkins, 61-; Harvard, 62-63. British Army, 41-46, Capt. Econ. Asn; Royal Econ. Soc. Problems of economic development in underdeveloped regions of the world, especially Canada, Middle and Near East, South East Asia and Africa. Publ: The iron and steel act, 1949, Econ. J; Location problem in the British steel industry, Oxford Econ. Papers; Oil royalties and economic development in the Middle East, Mid. East Econ. Papers. Address: 987 Memorial Dr, Cambridge, Mass. 02142.

LANGLIE, DR. T(HEOS) A(LVIN), b. Cooperstown, N.Dak, Apr. 20, 02; m. 26; c. 2. INDUSTRIAL PSYCHOLOGY. A.B. Minnesota, 24, Ph.D.(psychol), 29. Personnel asst. to dean col. sci, lit. & arts, Minnesota, 25-26, instr. psychol, 26-27; Wesleyan, 27-29, asst. prof, 29-36, assoc. prof, 36-39; personnel dir, Hat Corp. Am, 38-42; Nat. Starch Prod, Inc, 42-46; staff exec, Indust. rels. dept, Nat. Asn. Mfrs, 46-48; indust. psychologist & mgt. consult, Rogers & Slade, 48-54, partner, Rogers, Slade & Hill, 54-64; PRES, LANGLIE, PIERSON & MOORE, INC, 64- Fel. Psychol. Asn. Personnel research; management functions. Address: 1 Atlantic St, Stamford, Conn. 06901.

LANGMAN, PROF. MURIEL POTTER, b. Syracuse, N.Y., Nov. 26, 03. EDUCATIONAL PSYCHOLOGY. B.A., Columbia, 24, M.A., 33, Ph.D., 48. Assoc. ed. res, teachers col, Columbia, 44-48, instr. ed. psychol, 48-50; assoc. prof. ED, EASTERN MICHIGAN, 50-57, PROF, 57- Res. consult, Hawthorn Center, 56- Psychol. Asn. Development and psychology of the reading process; reading disability; etiology and treatment. Publ: Perception of symbol orientation and early reading success; Reading process: a descriptive interdisciplinary approach. Address: Hawthorn Center, 18471 Haggerty Rd, Northville, Mich. 48167.

LANGNER, PROF. THOMAS S, Sociol, see 10th ed, Soc. & Behav. Vols.

LANGNESS, DR. LEWIS L, b. Spokane, Wash, Oct. 29, 29; m. 65. ANTHROPOLOGY. B.S. Idaho, 56; M.A., Washington (Seattle), 59, Nat. Inst. Ment. Health fel, 60-62, Ph.D.(anthrop), 64. Instr. anthrop, Washington (Seattle), 62-63, res. instr. psychiat, sch. med, 63-64, instr. psychiat. & anthrop, 64-65, asst. prof, 65-66; anthrop, Northwestern, 66-68; ASSOC. PROF. BUS. & ANTHROP, WASHINGTON (SEATTLE), 68- Nat. Inst. Ment. Health res. grants, 61-62, 65-66; summer vis. asst. prof, Washington (Seattle), 67. U.S.A., 52-54. Fel. Anthropol. Asn; Ethnol. Soc; fel. Acad. Polit. & Soc. Sci. Psychological and social anthropology; Oceania; northwest coast Indians. Publ: Life history in anthropological science, Holt, 65; Some problems in the conceptualization of highlands social structures, Am. Anthropologist, 64; Hysterical psychosis: the cross-cultural evidence, Am. J. Psychiat, 67. Address: Dept. of General Business, University of Washington, Seattle, Wash. 98105.

LANGRAN, DR. ROBERT W, b. New York, N.Y., Feb. 15, 35; m. 59; c. 1. POLITICAL SCIENCE. B.S. Loyola (Ill), 56; M.A., Fordham, 59; Ph.D.(polit. sci, constitutional law), Bryn Mawr Col, 65. Instr. POLIT. SCI, VILLANOVA, 59-63, asst. prof, 63-67, ASSOC. PROF, 67- U.S.A., 56-58, 1st Lt. Polit. Sci. Asn. Constitutional law especially church-state relationship; American government; southeast Asia; government and business. Publ: Co-auth, Teamwork among governments in the Penjerdel region, Penjerdel, 61. Address: Dept. of Political Science, Villanova University, Villanova, Pa. 19085.

LANGROD, DR. BRONISLAWA, b. Warsaw, Poland, Jan. 24, 04; m. 35; c. 1. PSYCHOLOGY. M.Ed. & Ph.D., Cracow, Poland, 26; dipl. Inst. J.J. Rousseau, Geneva, 36. Prof, Girl's Jr. Col, Warsaw, 26-35; psychologist, medico-pedag. childrens' clin, Inst. J.J. Rousseau, Geneva, 36-39; PRACTICING PSYCHOLOGIST, 49- Psychologist, home ad. coun, Home Term Court, New York, 52-53; chief psychologist, Lafarge Clin, 54-60. Psychol. Asn. Projective techniques; psychological problems of immigrants. Publ: Adolescents plans and dreams about their future; Inter-relationship between school children in Poland and Polish school children abroad. Address: 467 Central Park W, New York, N.Y. 10025.

LANGROD, DR. WITOLD L(UCJAN), b. Lwow, Poland, Oct. 25, 99; m. 35; c. 1. INTERNATIONAL RELATIONS. Dr. Jur, Cracow, Poland, 23; dipl. Paris, 25; Geneva, 35-36; N.Y. Univ, 56-57. Chief div. European emigration, Ministry Labor & Soc. Welfare, Poland, 25-31; Ministry For. Affairs, 32-35; mem. employ. & migrations sect, Int. Labor Off, Switz, 35-39; dir. post-war reconstruct. dept, Polish govt, Eng, sect. chief, European Regional Off, UNRRA, 44-46; bur. soc. affairs, UN, N.Y., 46-56, plebiscite officer, Brit. Togoland, 56, regional adv. soc. affairs, Econ. Cmt. Latin Am, Mex, 57-61, UN TECH. ASST. CONSULT, GOVT. MEX, 62-, sr. adv. soc. affairs, civilian ops, Congo, 60-61. Prof. acad. Journalism, Poland, 25-35; lectr, Mexico City Col, 58-59; prof, Nat. Sch. Law & Admin, Congo, 61; sch. anthrop, Iberoamerican Univ, Mex, 65- Polish Army, 16-17, 18-20, 39-42. Sociol. Asn; Rural Sociol. Asn; Acad. Polit. Sci; Latin Am. Studies Asn; Int. Law Asn; Int. Soc. Community Develop. International organization; sociology and applied social sciences. Publ: Migratory movements in Yugoslavia; Social problems of absorption since 1945, In: Economics of international migration; Las experiencias infantiles en una tribu africana, Comunidad, Mex, 12/67. Address: Naciones Unidas, Apartado Postal 6-719, Mexico 6, D.F.

- LANGTON, DR. KENNETH PATRICK, b. Nyssa, Ore, Aug. 28, 33; m. 56; c. 2. POLITICAL SCIENCE. B.A., Washington (Seattle), 56; M.A., Oregon, 62. U.S. Off. Ed. grant, 64, Nat. Inst. Ment. Health fel. & Ph.D.(polit. sci), 65. ASST. PROF. POLIT. SCI., MICHIGAN, 65- Nat. Inst. Ment. Health res. grant, 66-67; summer Soc. Sci. Res. Coun. res. grant, 67. Consult, Kettering Found, 67- U.S.A., 57-59, Capt. Polit. Sci. Asn. Political socialization; comparative politics. Publ: Political socialization, Oxford Univ. in press; Peer groups and schools and the political socialization process, 9/67 & co-auth, Political socialization and the high school civics curriculum in the United States, 9/68, Am. Polit. Sci. Rev. Address: Dept. of Political Science, University of Michigan, Ann Arbor, Mich. 48104.
- LANGTVET, PROF. OSMUND PER, b. Oslo, Norway, Apr. 20, 26; m. 53; c. 1. GEOGRAPHY. Cand. Mag., Oslo, 51, Cand. Philol., 52. From instr. to asst. prof. GEOG. WESTERN ONTARIO, 53-64, ASSOC. PROF., 64- Can. Coun. leave fel, 68-69. Can. Asn. Geog. Regional geography; analysis of processes of change of spatial patterns in agricultural geography. Address: Dept. of Geography, University of Western Ontario, London, Ont., Can.
- LANGWORTHY, PROF. RUSSELL L(AMONT), b. Hornell, N.Y., Aug. 9, 24; m. 54; c. 2. SOCIOLOGY, ANTHROPOLOGY. B.A., Alfred, 49; M.A., Yale, 50, Sterling fel, 53, Ph.D., 54. Asst. sociol., Harvard, 51-52; instr. SOCIOL. & ANTHROP., CARLETON COL., 53-55, asst. prof., 55-59, from assoc. prof. to PROF., 59- Lectr., Center Prfl. Ed. & Soc. Assistance, Italy, 60-61. Nat. Sci. Found. award, 60-61. Mil. Intel, 43-46, Sgt. Sociol. Asn; Anthropol. Asn. Community structure, leadership and social change and values; applied anthropology in underdeveloped areas. Publ: Community status and influence in a high school, Am. Sociol. Rev.; Osservazioni sullo Sviluppo della comunità in Italia, Quaderni di Sociologia. Address: Dept. of Sociology & Anthropology, Carleton College, Northfield, Minn. 55057.
- LANHAM, PROF. BEN(JAMIN) T(ILLMAN), JR., b. S.C., Apr. 5, 17; m. 41; c. 2. AGRICULTURAL ECONOMICS. B.S., Clemson Col., 37; M.S., Tennessee, 38; Iowa State Col., 38-39; Ph.D. Mich. State, 61. Asst. AGR. ECON., Clemson Col., 37; Tennessee, 37-38; Iowa State Col., 38-39; asst. prof., AUBURN, 39-42, assoc. prof., 46-48, prof., 49-55, head prof. & head dept., 56-64, assoc. dir. agr. exp. station & asst. dean, sch. agr., 64-66, V.PRES. FOR RES., 66-, SELF-STUDY STEERING CMT., 60-, mem. faculty coun., 53-56, chmn. & pres. gen. faculty, 54-55. Mem. Int. Conf. Agr. Econ. U.S.A., 42-46, Maj. Econ. Asn; Rural Sociol. Soc; Farm Econ. Asn; Mkt. Asn. Farm management; public policy; agricultural financing and marketing. Publ: Farm power and equipment costs in Northern Alabama & Alabama agriculture: its characteristics and farming areas, Ala. Agr. Exp. Sta. Bull; Southern agriculture: recent trends, current status, and future prospects, Ala. Agr. Exp. Sta. Spec. Report. Address: 536 S. Gay St., Auburn, Ala. 36830.
- LANHAM, DR. BETTY B(AILEY), b. Statesville, N.C., Aug. 12, 22. ANTHROPOLOGY, ETHNOLOGY. B.S., Virginia, 44, M.A., 47; Ph.D.(anthrop.), Syracuse, 62. Instr. sociol. & govt. Wis. State Teachers Col., River Falls, 48-49; sociol., Maryland, 49-50; English, Wakayama Univ., Japan, 51-52; asst. prof. sociol., Randolph-Macon Woman's Col., 54-55; sociol. & anthrop., State Teachers Col., Oswego, 56-58; ANTHROP., Hamilton Col., 61-62; Indiana, 62-65; Western Michigan, 65-67; ASSOC. PROF., ALBANY MED. COL., 67- Anthrop. Asn; Asn. Asian Studies; Japan Soc. Child rearing practices in Japan; ethical teachings to children in Japan and in United States. Publ: Aspects of child care in Japan: preliminary report, In: Personal character & cultural milieu, 56; Psychological orientation of the mother child relationship in Japan, Monumenta Nipponica, 61; co-auth, Folktales commonly told American and Japanese children, J. Am. Folklore, 67. Address: Subdept. of Behavioral Sciences, Albany Medical College, Albany, N.Y. 12208.
- LANHAM, DR. ELIZABETH, b. Santo, Tex., Mar. 10, 12. BUSINESS ADMINISTRATION. B.B.A., Texas Tech. Col., 34; M.B.A., Texas, 39, Ph.D., 50. Instr. N.Mex. State Col., 39-42; asst. prof., Arizona, 42-44; asst. dir. personnel, State Farm Ins. Co., 44-47; from asst. prof. to ASSOC. PROF. MGT., TEXAS, 47- Consult. personnel dept., Brown Schs., Austin, Tex., 65-66. Phases of personnel management. Publ: Job evaluation; Wage and salary administration; EDP in the personnel department, Personnel, 3-4/67. Address: Dept. of Management, University of Texas, Austin, Tex. 78712.
- LANHAM, DR. JAMES S(AMUEL), b. Santo, Tex., June 26, 10; div. ACCOUNTING. B.B.A., Texas, 32, M.B.A., 36, Ph.D., 42. Assoc. prof. acct., Southern California, 46-47; prof., Florida, 47-60, conf. mgr., NAT. ASN. ACCTS., 60-64, DIR. ED. SERV., 64- Adj. prof., Columbia, 61-63. U.S.A.A.F., 42-46, 51-52, Col. Am. Acct. Asn; Nat. Asn. Acct; Inst. Cert. Publ. Acct. Accounting for depreciation and depletion in the petroleum industry; group method of depreciation. Address: National Association of Accountants, 505 Park Ave., New York, N.Y. 10022.
- LANIER, PROF. CHARLES N(OBLE), b. Lineville, Ala., June 7, 09; m. 35; c. 2. ECONOMICS. A.B., Davidson Col., 29; M.A., Vanderbilt, 38, Ph.D.(econ), 41. Instr. ECON., DELAWARE, 40-43, asst. prof., 43-46, assoc. prof., 46-48, PROF., 48- Econ. Asn; Arbit. Asn. Labor history; collective bargaining. Publ: The Delaware economy, 1938-1958, 60, & Skills survey-state of Delaware, 64, Bur. Econ. & Bus. Res. Univ. Delaware; co-auth, Gateways of the world, Penserdel, 62. Address: 203 Syphard Dr., Newark, Del. 19711.
- LANIER, DR. LYLE HICKS, b. Madison Co., Tenn., Jan. 11, 03; m. 27; c. 2. PSYCHOLOGY. A.B., Vanderbilt, 23; A.M., Peabody Col., 24, Ph.D.(psychol), 26; Chicago, 25. Asst. cmt. migrations grant, Nat. Res. Coun., 24-26; instr. psychol., N.Y. Univ., 26-28; asst. prof., Vanderbilt, 28-38; prof. & chmn. dept., Vassar Col., 38-48; N.Y. Univ., 48-50; ILLINOIS, URBANA, 50-58, dean, col. lib. arts & sci., 59-60, v.pres. & provost, 60-61, EXEC. V.PRES. & PROVOST, 61- Res. assoc., Nat. Defense Res. Cmt. proj., Princeton, 44; exec. dir. cmt. human resources, res. & develop. bd., U.S. Dept. Defense, 47-48; dir., Soc. Sci. Res. Coun., 49-51, 56-60, treas., 49-50, v.pres. bd. dirs., 60. Chmn. res. adv. bd., Air Training Command, 48-51; mem. div. anthrop. & psychol., Nat. Res. Coun., 49-52, 63-68, adv. cmt. govt. progs. behav. sci., 65-; adv. panel psychobiol., Nat. Sci. Found., 52-56, div. cmt. biol. & med. sci., 60-62, adv. panel sci. develop., 64- AAAS; fel. Psychol. Asn.(ed., Psychol. Bull., 47-52); Soc. Exp. Psychol.(secy-treas., 47-50, pres., 56). Race differences in psychological traits; cutaneous sensation; reaction time. Publ: Co-auth, Studies in the comparative abilities of Whites and Negroes, Ment. Measurement Monogr; Cutaneous innervation, Arch. Neurol. & Psychiat; auth, Interrelations of speed of reaction measurements, J. Exp. Psychol. Address: University of Illinois, 349 Administration Bldg., Urbana, Ill. 61801.
- LANING, DR. EVERETT L(AIDLEY), b. Chicago, Ill., Jan. 31, 31; m. 54; c. 3. SOCIOLOGY. B.A., Simpson Col., 53; B.D., Garrett Sch. Theol., 57; M.A., Northwestern, 59; Ph.D.(sociol.), Iowa State, 65. ASST. PROF. SOCIOL. & ANTHROP., SIMPSON COL., 64-, HEAD DEPT., 67- Sociol. Asn. Conflict theory; career decision-making; family sociology. Address: Dept. of Sociology & Anthropology, Simpson College, Indianola, Iowa 50125.
- LANKFORD, DR. JOHN E., Am. Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LANMAN, DR. RICHARD W., b. Plymouth, Mass., Aug. 10, 21; m. 46; c. 2. PSYCHOLOGY. Fel., Purdue, 51-53, Ph.D.(psychol), 53. Instr. psychol., Col. of Wooster, 48-51; PARTNER, HUMBER, MUNDE & McCLARY, 53- U.S.A., 43-45. Psychol. Asn. Personnel evaluation; social dynamics; business organization. Publ: Forced choice methodology, J. Ed. & Psychol. Measurement. Address: 111 E. Wisconsin Ave., Milwaukee, Wis. 53202.
- LANMON, DR. J(AMES) M(ONROE), b. Lexington, Tex., Jan. 12, 17; m. 48; c. 2. PSYCHOLOGY. M.A., Texas, 47, fel., 48-51, Ph.D.(ed), 54. Assoc. prof. ed., Howard Col., 47-48; lectr., Texas, 51-52; prof. psychol. & ed., Miss. Col., 52-62; asst. prof. PSYCHOL., EAST TEXAS STATE, 62-64, ASSOC. PROF., 64-, ACTING HEAD DEPT., 67- Psychol. Asn. Role behavior; religious development; audio-visual education. Publ: Co-auth, Mechanics of visual instruction; Status of audio-visual education in Texas, Tex. J. Sec. Ed. Address: Dept. of Psychology, East Texas State University, Commerce, Tex. 75428.
- LANNHOLM, DR. G(ERALD) V(ICTOR), b. Galesburg, Ill., Apr. 20, 06; m. 31; c. 1. EDUCATIONAL PSYCHOLOGY. A.B., Coe Col., 27; M.A., Iowa, 36, Ph.D.(ed), 39. Asst. prof. ed., Cincinnati, 39-46; asst. dir. grad. record exam, Grad. Record Off., 46-49; prog. dir., ED. TESTING SERV., 49-66, SR. ADV. GRAD. RECORD EXAM. STUDIES, 66- Ed., Am. Ed. Res. Assn. News-letter, 50-55. U.S.N.R., 43-46, Lt. Fel. AAAS; Statist. Asn. Educational measurement and evaluation. Address: 162 Cedar Lane, Princeton, N.J. 08540.
- LANNING, DR. EDWARD P(UTNAM), b. Northville, Mich., Sept. 21, 30; m. 66; c. 1. ANTHROPOLOGY. B.A., California, 53, Ph.D., 60. Lectr. archaeol., Lima, 58; instr. anthrop., Sacramento State Col., 59-60; sr. mus. anthropologist, Lowie Mus. Anthrop., California, 60-61; Fulbright res. grant archaeol., Lima, 61-63; asst. prof. ANTHROP., COLUMBIA, 63-65, ASSOC. PROF., 65- Nat. Sci. Found. res. grants, Ecuador, 64, Peru, 65 & Chile, 66-69; adv. prof., Univ. of the North, Chile, 66-69; vres. assoc. prof., Yale, 67-68. AAAS; Soc. Archaeol; Inst. Andean Studies (v.pres., 60-61). Andean archaeology; archaeology of western North America; development of ancient civilizations; archaeological theory; theory of culture change; human ecology. Publ: Archaeology of the Rose Spring Site, INY-372, 63 & Ceramic sequence for the Piura and Chira coast, north Peru, 63, Univ. California; Peru before the Incas, Prentice-Hall, 67. Address: Dept. of Anthropology, Columbia University, New York, N.Y. 10027.
- LANPHER, DR. HENRY COE, Soc. Work., see 10th ed, Soc. & Behav. Vols.
- LANPHER, DR. C(HARLES) MICHAEL, b. Milwaukee, Wis., July 23, 37; m. 62; c. 2. SOCIAL PSYCHOLOGY. A.B., Harvard, 58; A.M., Michigan, 60, Ph.D.(soc. psychol), 63. Asst. prof. sociol., Pa. State, 63-67; ASSOC. PROF. SOCIOL. & ACTING DIR. SURV. RES. CENTRE, YORK (ONT), 68- Sociol. Asn; Soc. Psychol. Study Social Issues. Public opinion. Publ: Voting of Catholics: the IPP revisited, Sociol. Anal., spring 67; Clique and complementarity, J. Soc. Psychol., 2/68. Address: Survey Research Center, York University, Downsview, Ont., Can.
- LANSDALE, PROF. ROBERT T(UCKER), Pub. Admin., see 10th ed, Soc. & Behav. Vols.
- LANSDELL, DR. H(ERBERT) C(HARLES), b. Montreal, Que., Dec. 22, 22. PSYCHOLOGY. B.Sc., Sir George Williams Col., 44; Ph.D.(psychol), McGill, 50. Defence serv. sci. officer, Defence Res. Med. Lab., Toronto, 50-54; asst. prof. psychol., Buffalo, 54-58; HEAD, SECT. CLIN. PSYCHOL., NAT. INST. NEUROL. DISEASES & BLINDNESS, 58- R.C.N.V.R., 44-45. AAAS; Psychol. Asn. Mammalian brain function in intelligence. Publ: Effect of brain damage on intelligence in rats, J. Comp. Physiol. Psychol; Effect of form on the legibility of numbers, Can. J. Psychol; co-auth, The relation of induced dysnomia to phoneme frequency, Lang. & Speech, 63. Address: Room 2D-07, Clinical Center, National Institutes of Health, Bethesda, Md. 20014.
- LANSFORD, PROF. R(AYMOND) W(ILLIAM), b. Linn, Mo., Sept. 25, 20; m. 45. FINANCE. B.S.(commerce) & B.S.(ed), Southwest Mo. State Col., 47; M.S., Northwestern, 48; Ed.D., N.Y. Univ., 54. Instr., Joplin Jr. Col., 48-49; PROF. bus. admin., Cent. Mo. State Col., 49-57; BUS. MGT., MISSOURI, 57-, asst. dean, sch. bus., 60-66. Sales consult. & lectr. U.S.A.A.F., 42-46, 1st Lt. Mkt. Asn. Real estate. Publ: Survey of school of business and public administration graduates. Address: 101 Business & Public Administration, University of Missouri, Columbia, Mo. 65201.
- LANSFORD, DR. ROBERT RUTLEDGE, b. Rincon, N.Mex., Mar. 31, 37; m. 58; c. 5. AGRICULTURAL ECONOMICS. B.S., New Mexico State, 61, M.S., 62, Ph.D.(agr. econ), Minnesota, 65. Res. asst. AGR. ECON. New Mexico State, 61-62; Minnesota, 62-65; ASST. PROF. NEW MEXICO STATE, 65- N.Mex. Water Res. Inst. grants, 66-69. Econ. Asn; Agr. Econ. Asn; Soc. Farm Mgr. & Rural Appraisers. Farm management and production economics; water resource economics. Address: Dept. of Agricultural Economics, New Mexico State University, P.O. Box 3169, Las Cruces, N.Mex. 88001.

- LANSEING, PROF. JOHN B(ELCHER), b. Geneva, N.Y., July 11, 19; m. 45; c. 3. ECONOMICS. B.A., Hobart Col., 40; Ph.D.(econ), Harvard, 49. Economist, Off. Alien Property Custodian, 44-45; instr. econ. & soc. sci. Mass. Inst. Tech., 46-49; study dir. & asst. prog. dir., MICHIGAN, 49-56, lect. psychol., 53-56, from assoc. prof. to PROF. ECON. & PROG. DIR. SURV. RES. CENTER, 56- Econ. Asn.; Statist. Asn. Analysis of consumer behavior using surveys; transportation economics. Publ: Co-auth, An investigation of response error; auth, Transportation and economic policy, Macmillan, 66; co-auth, Automobile ownership and residential density, Inst. Soc. Res., 67. Address: Dept. of Economics, University of Michigan, Ann Arbor, Mich. 48104.
- LANSKY, DR. LEONARD M(ARVIN), b. Lynn, Mass., Mar. 28, 25; m. 50; c. 2. PSYCHOLOGY. A.B., Harvard, 49; M.A., Oregon, 52; fel., Michigan, 52-54, Ph.D.(soc. psychol.), 56. Asst. psychol., Michigan, 52-54, instr., 54-56; asst. prof. psychol., Antioch Col. & sr. res. assoc., Fels Res. Inst., 56-60; res. assoc. sch. & univ. prof. res. & develop. & lect. ed., grad. sch. ed., Harvard, 60-62; assoc. prof. PSYCHOL., GRAD. SCH., CINCINNATI, 62-65. PROF., 65- Sr. res. assoc., med. sch., Cincinnati, 62-, assoc. dir., center res. training higher ed., 66-67. Res. consult., Family Serv. Cincinnati Area, 58-60; dept. psychiat., Mass. Gen. Hosp., Boston, 60-; Vet. Admin. Hosp., Cincinnati, 62-; Am. Red Cross, 65-66; Center Adv. Study Ed. Admin., 65-67; high sch. geog. proj., Boulder, Colo., 66-; Fed. Aviation Admin., 66-67; Pendleton, Ore. Sch. Syst., 66. Mem., Nat. Coun. Grad. Ed. Psychol., 67-; assoc., Nat. Training Labs, Inst. Appl. Behav. Sci.; Collegiate Sch. Archt. AAAS; Psychol. Asn.; Soc. Res. Child Develop. Learning of critical judgment in architecture students; innovations in educational methods; human relations and organizational change; child development; personality theory; social psychology. Publ: Co-auth, The effect of instructions on a creative task: discipline and form in hand sculptures, Perceptual & Motor Skills, 66; auth, Story completion methods, In: A modern introduction to projective techniques, Springer, 68; co-auth, The It scale for children: effects of variations in the sex-specificity of the It-figure, Merrill-Palmer Quart., (in press). Address: Dept. of Psychology, University of Cincinnati, Cincinnati, Ohio 45221.
- LANTIS, PROF. DAVID W(ILLIAM), b. Ft. Thomas, Ky., Apr. 13, 17; m. 54. GEOGRAPHY. Ph.D.(geog.), Ohio State, 50. Asst. prof. GEOG., Southern California, 49-53; Los Angeles City Col., 53-55; Compton Col., 55-57, asst. prof., 57-59; assoc. prof., CHICO STATE COL., 59-63, PROF., 63- U.S.N.R., 41-45, Lt. Asn. Am. Geog.; Meteorol. Soc.; Royal Geog. Soc. Physical and regional geography, especially of California and North America. Publ: Sr. auth, California, land of contrast, Wadsworth, 63. Address: Route 3, 1616 Oak Park Ave, Chico, Calif. 95926.
- LANTIS, PROF. MARGARET LYDIA, b. Dayton, Ohio, Sept. 1, 06. ANTHROPOLOGY. B.A., Minnesota, 30; Ph.D.(anthrop.), California, 39. Res. assoc. anthrop., California, 39-41; instr., Minnesota, 41-42; Soc. Sci. Res. Coun. fel., Chicago, 42-43; instr. sociol. & anthrop., Reed Col., 43-44; community analyst, War Relocation Authority, 44-45; soc. sci. analyst, bur. agr. econ., U.S. Dept. Agr., 45-46; fel., Arctic Inst. N.Am., 46; soc. econ. analyst, bur. census, U.S. Dept. Commerce, 47; soc. anthropologist study adult develop., Harvard, 48-52; anthropologist, U.S. Pub. Health Serv., 54-63, vis. prof. ANTHROP., McGill, 63-64; California, Berkeley, 64-65; PROF., KENTUCKY, 65- Res. fel., Viking Fund, N.Y., 47-48; lect. sch. soc. work, Boston, 50; vis. prof., California, 50; Air Univ., 52-53; Alaska, 55; Minnesota, 58, Washington (Seattle), 62. Fel. Anthropol. Asn.; Arctic Inst. N.Am.; Ethnol. Soc. (pres, 63-64); Soc. Appl. Anthropol. Arctic ethnography and geography; United States culture studies; applied anthropology. Publ: Social culture of the Nunivak Eskimo, Am. Philos. Soc. Trans.; Alaskan Eskimo ceremonialism and Eskimo childhood and interpersonal relationships, Am. Ethnol. Soc. Monogr. Address: Dept. of Anthropology, University of Kentucky, Lexington, Ky. 40506.
- LANTON, DR. WENDELL C(UTHERBERT), Psychol., see 11th ed, Phys. & Biol. Vols.
- LANTZ, DR. DONALD L., b. North Platte, Nebr., Mar. 2, 30; m. 51; c. 3. EDUCATIONAL PSYCHOLOGY. A.B., Wheaton Col., 51; M.A., Minnesota, 54, Ph.D.(ed), 61; Nat. Sci. Found.-Atomic Energy Cmn. fel., Syracuse, summer, 61. Teacher, high sch., 56-58; instr. ed. psychol. & counsr., Minnesota, 58-60; asst. prof. zool., Bethel Col., 60-61; from asst. prof. to ASSOC. PROF. ED. PSYCHOL., SOUTH FLORIDA, 61- U.S. Off. Ed. fel. ed. res., Ed. Testing Serv., 66-67; summer vis. prof., Nebraska, 63. Consult., cmt. exam, adv. test in ed., Grad. Record Exam, 67- Psy. nol. Asn.; Personnel & Guid. Asn.; Ed. Res. Asn. Analysis of teaching behaviors. Publ: Relationship of MTAI scores to certain biographical information, J. Ed. Res., 65; Effect of reinforcement of statements of pupil teacher relationship in a free response situation, Ed. Testing Serv. Res. Bull., 67; Relationship in university supervisors and supervising teachers' ratings to observed student teacher behavior, Am. Ed. Res. J., 67. Address: Dept. of Educational Psychology, University of South Florida, Tampa, Fla. 33620.
- LANTZ, PROF. H(ERMAN) R., b. New York, N.Y., June 17, 19; m. 48; c. 1. SOCIOLOGY. B.S., Kent State, 43; M.A., Ohio State, 47, Ph.D.(sociol.), 50. Instr. SOCIOL., Ohio State, 48-51; from assoc. prof. to PROF., SOUTHERN ILLINOIS, 51- Res. fel., Harvard, 62-63. U.S.A.A.F., 43-46. Sociol. Asn. Family; social psychology and organization. Publ: People of Coal Town; Marriage: an examination of the man-woman relationship; Sociology of the enterprise, Tidens-Forlag, Stockholm, 67. Address: Dept. of Sociology, Southern Illinois University, Carbondale, Ill. 62903.
- LANTZ, PROF. LEON CHARLES, b. Mansfield, Ohio, Sept. 10, 18; wid. POLITICAL SCIENCE. B.S., Ashland Col., 41; M.A., Ohio State, 47, Ph.D.(polit. sci.), 57. Instr. soc. sci., Drake, 47-49; asst. polit. sci., Ohio State, 49-51; acting assoc. prof., W.Liberty State Col., 52; assoc. prof. POLIT. SCI., Tennessee, 57-65; PROF., FINDLAY COL., 65- U.S.A.A.F., 42-45, Sgt. Polit. Sci. Asn. International relations; American government; prevailing concepts concerning establishment of an international development authority. Address: Findlay College, Findlay, Ohio 45840.
- LANYI, PROF. GEORGE A(LBERT), b. Budapest, Hungary, Apr. 30, 13; nat; m. 37; c. 1. POLITICAL SCIENCE. B.Sc., London Sch. Econ., 37; M.A., Harvard, 40, fel., 41-43, 46-47, Ph.D., 49. Tutor govt., Harvard, 41-43, 46-47; asst. prof. polit. sci., Brown, 47-50; OBERLIN COL., 50-52, assoc. prof. GOVT., 53-58, PROF., 58- Vis. prof., California, 62; res. assoc. center int. affairs, Harvard, 65. Consult., Naval War Col., 57. Polit. Sci. Asn.; Asn. Adv. Slavic Studies. British foreign policy; central and southeastern European governments. Publ: Co-auth, Crisis and continuity in world politics, Random, 66. Address: 289 Morgan Lane, Oberlin, Ohio 44074.
- LANZETTA, PROF. JOHN T(HOMAS), b. New York, N.Y., Apr. 24, 26; m. 46; c. 6. SOCIAL PSYCHOLOGY. B.S., Lafayette Col., 48; Ph.D.(psychol.), Rochester, 52. Res. assoc. psychol., Rochester, 51-53; superv. soc. psychologist, personnel & training res. center, U.S. Air Force, 53-56; assoc. res. prof. psychol., Delaware, 56-58, res. prof., 58-66, head dept., 61-65, dir. center res. soc. behav., 59-66; PROF. PSYCHOL., DARTMOUTH COL., 66- Soc. Sci. Res. Coun. res. fel. & Lank lectr., Montreal, summer, 60. Consult., bur. med. U.S. Dept. Navy; Am. Tel. & Tel. Co.; E.I. du Pont de Nemours & Co.; Off. Civilian Defense Mobilization & Dept. Sci. Res., U.S.N., 43-44. AAAS; Psychol. Asn.; Soc. Gen. Syst. Res. Small group behavior; communication; cognitive processes and decision making. Publ: Co-auth, Effects of congruent social and task reinforcement upon the acquisition of imitative responses, Psychol. Reports, Information cost, amount of pay-off, and level of aspiration as determinants of information-seeking in decision making, Behav. Sci. & Effects of congruent and conflicting social and task feedback on the acquisition of an imitative response, J. Exp. Psychol. Address: Dept. of Psychology, Dartmouth College, Hanover, N.H. 03755.
- LANZILLOTTI, PROF. ROBERT FRANKLIN, b. Washington, D.C., June 19, 21; m. 45; c. 2. ECONOMICS. B.A., American Univ., 45, fel. & M.A., 46; fel., California, 47-49, Ph.D.(econ), 52. Asst. prof. ECON., Washington State, 49-53, assoc. prof. & assoc. economist, 54-58, prof., 59-61; PROF. & CHMN. DEPT. MICH. STATE, 61- Fels. U.S. Steel Corp. & Swift & Co., 53; NATO res. fel. econ., 63. Antitrust consult., 59-; consult., Carnegie Corp., 59-60; Fed. Trade Cmn., 61-; consult. to Attorney Gen., Mich., 62-65 & Calif. Wash. & Ore., 66- U.S.N., 43-46, Lt. Comdr. Econ. Asn. Economic theory; government and business. Publ: Co-auth, Spokane wholesale market & Pricing in big business; auth, Banking structure in Michigan, 1945-1963, Mich. State Univ., 66. Address: Dept. of Economics, 101 Marshall Hall, Michigan State University, East Lansing, Mich. 48823.
- LaPALOMBARA, PROF. JOSEPH, b. Chicago, Ill., May 18, 25; m. 47; c. 3. POLITICAL SCIENCE. A.B., Illinois, 47, A.M., 50; A.M., Princeton, 52. Ph.D. (polit.), 54; Class 1883 fel., 51-52; Procter fel. & Soc. Sci. Res. Coun. grant, 52; Fulbright grant, Italy & Penfield scholar, 52-53; hon. M.A., Yale, 65. Instr., Ore. State Col., 47-49, asst. prof., 49-50; instr., Princeton, 52; res. assoc. govt. res. bur., Mich. State, 52-56, asst. prof. polit. sci., 53-56, assoc. prof., 56-58, res. assoc., labor & indust. rels. center, 56-57, prof. POLIT. SCI. & head dept., 58-64; PROF., YALE, 64- CHMN. COUN. COMP. EUROPEAN STUDIES, 66- Dir., Mich. Citizenship Clearing House, 55; vis. prof., Florence, Italy, 57-58; Fulbright grant, Italy, 57-58; Soc. Sci. Res. Coun. grant, 57-58; fel., Center Adv. Study Behav. Sci., 61-62; Rockefeller grant, 63. Consult., Fed. Civil Defense Admin., 56; Carnegie Corp., 59; Ford Found., 64-; Twentieth Century Fund, 65- Mem. cmt. comp. polit. Soc. Sci. Res. Coun., 58-; pub. cmt., Yale Univ. Press, 65-; soc. sci. res. coun. Cmt. Italian Soc. Sci., 66- Repub. Italy order of merit, 64. Polit. Sci. Asn.; Italian Soc. Sci. Asn. Comparative political institutions and behavior; comparative development administration; interest groups and the political process; research concepts and methods. Publ: Interest groups in Italian politics, 64 & co-ed, Political parties and political development, 67, Princeton Univ.; auth, Italy: the politics of planning, Syracuse Univ., 66. Address: 19 Windsor Rd. E., North Haven, Conn. 06473.
- LAPHAM, DR. LEWIS J(AY), b. New Hampton, Iowa, Oct. 5, 20; m. 43; c. 3. POLITICAL SCIENCE. A.B., Iowa, 42; M.S., Syracuse, 43; Ph.D.(polit. sci.), Harvard, 54. Asst. prof. pub. admin., Fla. State, 48-50; consult., U.S. Dept. Defense, 50-51, 53-58; admin. asst., House Govt. Oper. Cmt., 51-53; attache, U.S. Mission to NATO & European Regional Orgns., Paris, 58-63; polit. officer, U.S. Dept. State, 63-66; asst. dir. off. civil ops, U.S. EMBASSY, SAIGON, 67, SPEC. ASST. TO AMBASSADOR, 68- Lectr., grad. sch., U.S. Dept. Agr., 52-55. U.S.N., 43-46, Lt. Comdr. Polit. Sci. Asn.; Acad. Polit. & Soc. Sci.; Soc. Pub. Admin. National government and administration; international relations; political theory. Address: U.S. Embassy, A.P.O. San Francisco, Calif. 96243.
- LAPIDUS, DR. GEORGE, b. New York, N.Y., Nov. 16, 08; m. 30; c. 2. PSYCHOLOGY. A.B., City Col. New York, 30; M.A., Columbia, 31; Ph.D.(psychol.), N.Y. Univ., 55. Teacher, spec. classes for emotionally disturbed & ment. retarded children, Bd. Ed. N.Y., 32-42; clin. psychologist, Vet. Admin., 46-49; asst. prof. dept. ed. & clin. psychologist, ed. clin., Brooklyn Col., 49-55; PRACTICING CLIN. PSYCHOLOGIST, 56- Chief clin. psychologist, Baro Civic Center Clin., 56- Med.Serv.C., 42-46, Capt. Psychol. Asn.; Orthopsychiat. Asn. Child behavior; juvenile delinquency; educational tests and measurements. Publ: Comparison of education and non-education students with respect to their choice of vocational goals; Case reports in clinical psychology, study of a mentally retarded child. Address: 1816 Avenue J, Brooklyn, N.Y. 11230.
- LaPIERE, DR. RICHARD T(RACY), b. Beloit, Wis., Sept. 15, 99; m. 34. SOCIAL PSYCHOLOGY. A.B., Stanford, 26, A.M., 27, Ph.D., 30; London, 27-28. Asst., Stanford, 28-29, instr., 29-32, asst. prof., 32-38; assoc. prof. sociol., Michigan, 38-39; Stanford, 39-40, prof., 40-66; RES. & WRITING, 66- U.S.A.A.F., 17-19. Sociol. Asn.; Sociol. Res. Asn. Armenians of Fresno County, California; classical China; Chinese of San Francisco. Publ: Collective behavior; Theory of social control; Social change, McGraw, 65. Address: 268 Searsville Rd., Stanford, Calif. 94305.
- LaPINE, DR. HARRY J(OHN), b. St. Louis, Mo., July 16, 23; m. 65. EDUCATIONAL PSYCHOLOGY. B.Ed., State Univ. N.Y., 48; A.M., Chicago, 49, Ph.D., 58. Asst., Chicago, 52-53; men's voc. counsr. guid. & counseling, Cornell, 53-56; asst. prof. ed., Kansas, 56-59; asst. prof. ed. & res. assoc.,

State Col. Iowa, 59-63; ASSOC. PROF. PHILOS. & PSYCHOL, CENT. CONN. STATE COL, 63- Summer vis. instr, Emporia State Teachers Col, 59. U.S.A, 43-46, 50-52, 1st Lt. Psychol. Asn; Personnel & Guid. Asn; Ed. Res. Asn. Measurement and evaluation of personality and academic achievement; evaluation of adjustment and scholastic achievement of gifted children; military testing practices; rapid learner. Publ: Do the G E D tests really measure the outcomes of general educational learning experiences? Univ. Kansas Bull. Ed. Address: Dept. of Psychology, Central Connecticut State College, 1615 Stanley St, New Britain, Conn. 06050.

LAPITAN, DR. ANTONIO E, b. Manila, Philippines, Nov. 22, 33; m. 60; c. 2. POLITICAL SCIENCE. A.B., Philippines, 54; Fulbright fel, Lehigh, 55-59, M.A., 57; Ph.D.(polit. sci), Oregon, 68. Asst. int. rels, Lehigh, 55-56; POLIT. SCI, Oregon, 57-59, fel, 59-61; instr, Boise Col, 61-63, ASST. PROF, 63-64; NEVADA SOUTHERN, 64- Lectr, inst. Asian studies, Northwest Nazarene Col, 64-67; prof, Ateneo de Manila, 66-67. Consult, Philippine Budget Cmn, 66-67. Mem. Exec. Cmt, Inst. Philippine Culture, 66- Polit. Sci. Asn; Philippine Pub. Admin. Asn. Comparative studies of political development in southeast Asia with special reference to the Philippines, Malaysia and Indonesia. Publ: Two current studies on Philippine political development, Philippine Studies, 1/67; The development of the Philippine budgetary system, Budget Cmn. J, 1/67. Address: Dept. of Political Science, Nevada Southern University, Las Vegas, Nev. 89109.

LAPKIN, DR. BENJAMIN, b. New York, N.Y., Mar. 10, 34; m. 55. PSYCHOLOGY. B.A. Queens Col.(N.Y.), 55; Ph.D., N.Y. Univ., 60. Trainee psychol, Vet. Admin. Brockton, Mass, 57-60; staff psychologist, New York Regional Off, 60-61; Hillside Hosp, Glen Oaks, 61-63; chief psychologist, ed. clin, Queens Col.(N.Y.), 63-67; DIR. SEEK PROG. LEHMAN COL. CITY UNIV. NEW YORK, 67- Instr. Queens Col.(N.Y.), 58-60. Private practice, 61-; matriculant, Postdoctoral Inst. Psychother. & Psychoanal, N.Y. Univ., 62- Psychol. Asn. Experimental investigation of psychoanalytic theory and its application to psychotherapy. Publ: Relation of primary process thinking to the recovery of subliminal material, J. Nervous & Ment. Disease; Recall of dreams: its relation to repression and cognitive control, J. Abnorm. & Soc. Psychol; A Rorschach study of primary process thinking in schizophrenia, J. Proj. Tech. Address: 500A E. 87th St, New York, N.Y. 10028.

LAPOINTE, PROF. FRANÇOIS HUBERT, Psychol, Sociol, see 10th ed, Soc. & Behav. Vols.

LAPOINTE, DR. ROGER E(MILE), b. Disraeli, Que, Mar. 13, 30; m. 55; c. 4. PSYCHOLOGY. B.A., Montreal, 50 & 56, M.A., 58, Ph.D.(psychol), 60. Asst. prof. psychol. measurement, Laval, 60-62; counseling, MONTREAL, 62-66, ASSOC. PROF. COUNSELING & DIR. COUNSELING & ADMISSION TESTING CENTER, 66- Summer prof, St. Joseph's (N.B.), 61. Dir, Serv. for Admission to Col. & Univ, 66-68; acad. consult, dept. psychol, Univ. Moncton, 67- Am. Psychol. Asn; Can. Psychol. Asn; Can. Guid. & Counseling Asn.(asst. secy, 65-67). Industrial, counseling and developmental psychology; measurement of aptitudes, achievement and personality. Publ: La technique de choix-forcé en psychométrie, 61 & Structure hiérarchique ou structure fonctionnelle? La place du service d'orientation, 62, Recherche-Orientations; Prediction du succès aux études de droit: étude préliminaire, Relint, 67. Address: 11855 rue Valmont, Montreal 12, Que, Can.

LAPONCE, PROF. J(EAN) A(NTOINE), b. Decize, France, Nov. 4, 25; m. 51; c. 3. POLITICAL SCIENCE. B.A., Paris, 46, 47; fel, California, Los Angeles, 55, Ph.D., 56. Asst. prof. POLIT. SCI, BRITISH COLUMBIA, 56-61, assoc. prof, 61-64, PROF, 64- Polit. Sci. Asn; Int. Polit. Sci. Asn. Comparative government; political parties; electoral systems. Publ: Protection of minorities; Government of the Fifth Republic. Address: Dept. of Political Science, University of British Columbia, Vancouver 8, B.C., Can.

LaPORTE, DR. ROBERT, JR, b. Detroit, Mich., Feb. 12, 40; m. 62; c. 1. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A., Wayne State, 62, M.A., 63; Ph.D.(polit. sci), Syracuse, 67. Summers, res. assoc, 64 & 65; ASST. PROF, POLIT. SCI, PA. STATE, 66- Soc. Pub. Admin; Polit. Sci. Asn; Asn. Asian Studies. Comparative public administration; comparative politics; South Asian studies. Publ: The evolution of public educational policy: school integration in a Northern city, Urban Ed, fall 66; Analysis of a development strategy, Int. Rev. Admin. Sci, spring 68; Intergovernmental change in India, Asian Surv, 9/68. Address: Dept. of Political Science, Pennsylvania State University, University Park, Pa. 16802.

LAPP, PROF. CHARLES L(EON), b. Liberal, Mo, Nov. 26, 14; m. 45; c. 2. MARKETING. A.B., Southwest State Col, 36; M.B.A., Northwestern, 40; Ph.D., Ohio State, 50. Asst. prof. Drake, 41-47; mem. sales mgt. staff, Ohio State, 47-50; PROF. MKT. WASHINGTON (ST. LOUIS), 50-, FACULTY ADV. GRAD. SCH. SALES MGT. & MKT, 56- Publ: Training and supervising salesmen; co-auth, Conducting sales meetings, Sales & Mkt. Exec. Int, 63; 36 Lesson home study course in salesmanship, Am. Paper Merchant, 66. Address: 158 Emerald Green Court, St. Louis, Mo. 63141.

LAPPIN, DR. JOSEPH STEPHENS, b. Cincinnati, Ohio, Sept. 9, 40; m. 65; c. 1. PSYCHOLOGY. B.A., Cincinnati, 62; Ph.D.(psychol), Illinois, 66. ASST. PROF. PSYCHOL, Carnegie-Mellon, 66-68; VANDERBILT, 68- AAAS; Psychol. Asn. Visual perception; selective attention; coding in human perception. Publ: Use of a delayed signal to stop a visual reaction time response, 66, Attention in the identification of stimuli in complex visual displays, 67 & co-auth, Selective attention and very short-term recognition memory, 67, J. Exp. Psychol. Address: Dept. of Psychology, Vanderbilt University, Nashville, Tenn. 37203.

LARD, DR. CURTIS F, b. Waterloo, Ala, Apr. 17, 35; m. 54; c. 4. AGRICULTURAL ECONOMICS, SOCIOLOGY. B.S., Tennessee, 57; M.S., Mich. State, 59, Ph.D.(agr. econ), 63. Agr. economist, Tenn. Valley Authority, 57-58; asst. agr. econ, Mich. State, 58-62, res. assoc, 62-63; from asst. prof. to ASSOC. PROF, Tennessee, 63-67; AGR. ECON. & SOCIOL, TEXAS A&M, 67- Nat. Guard, 52-58; U.S.A.R, 58-60, Sgt. Inst. Mgt. Sci; Econ. Asn; Agr. Econ. Asn; Opers. Res. Soc. Am. Determining optimal farm organizations; evaluation of technology on the cost of producing cotton; economic growth of

the agricultural firm. Publ: Co-auth, Knowledge situations, In: A study of the managerial processes of midwestern farmers, Iowa State Univ, 61; Toward effective integration of knowledge situations in a theory of managerial behavior, J. Farm Econ, 61; Economics of alternative planting patterns for cotton, Tenn. Agr. Exp. Sta. Bull, 67. Address: Dept. of Agricultural Economics & Sociology, Texas A&M University, College Station, Tex. 77843.

LAREW, DR. KARL G(ARRET), Mod. European Diplomatic & Intellectual Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LARIMER, DR. GEORGE S, b. Albert Lea, Minn, June 20, 31; m. 52; c. 3. SOCIAL PSYCHOLOGY, SOCIOLOGY. B.A., Utah, 58, M.A., 62, Inst. Group Rel. fel. from Oklahoma, 62-63, Ph.D.(psychol), 63. Asst. prof. psychol, South Florida, 63-65; New Brunswick, 65-66; ASST. PROF. SOC. SCI. & SOCIOL. & ASST. DIR. PSYCHOSOC. STUDIES LAB, PA. STATE, CAPITOL CAMPUS, MIDDLETOWN, 66- U.S.N., 51-55. Psychol. Asn; Sociol. Asn. Intra and inter-group relations; attitude formation; functioning; measurement and change; assimilation and contrast effects; ego formation and involvements. Publ: Co-auth, Some effects of monetary rewards and knowledge of results of judgment, J. Exp. Psychol, 64; auth, Ambiguity and nearness of anchors as factors in assimilation, Am. J. Psychol, 65; Social judgment approach to the study of French and English Canadian attitudes, Pub. Opinion Quart, 68. Address: Psychosocial Studies Laboratory, Pennsylvania State University, Capitol Campus, Middletown, Pa. 17057.

LARIMORE, DR. ANN E(VANS) (MRS. J.F. KOLARS), b. St. Louis, Mo, Dec. 5, 31; m. 58. GEOGRAPHY. B.A., Wellesley Col, 52; M.A., Chicago, 55, Ph.D., 58. Instr. GEOG, Chicago, 57-58, res. assoc, 58-59; asst. prof, Newark Col, Rutgers, 61-64; LECTR, MICHIGAN, 66- Asn. Am. Geog; Anthropol. Asn; Nat. Coun. Geog. Ed. Cultural geography of Africa; cultural influences upon changing geographical patterns in non-Western areas; African agriculture and settlement patterns. Publ: Alien town: patterns of settlement in Busoga, Uganda; Measure of economic change: sequent development of occupation in Busoga District, Uganda, In: Essays on geography and economic development; World regional geography course: alternative approaches, In: New approaches in introductory college courses, Asn. Am. Geog, 67. Address: 916 Olivia St, Ann Arbor, Mich. 48104.

LARIMORE, DR. T(HEODORE) R(USSELL), b. Indianapolis, Ind, July 4, 05; m. 32; c. 1. ECONOMICS. B.S., Indiana, 28; M.S., Illinois, 31; Chicago, 34; Ph.D., Nebraska, 45. Prof. econ. & bus. & head dept, Union Col.(Nebr.), 29-37; asst. prof. bus. admin, Indiana, 37-44; asst. bus. mgr, Emmanuel Missionary Col, 44-45; prof. econ. & bus. & head dept, Atlantic Union Col, 45-46; Wash. Missionary Col, 46-49; vis. instr. acct. & personnel admin, Maryland, 49-50; labor economist, wages, hours & pub. contracts div, submini-um wage br, U.S. Dept. Labor, 50-53; acct, U.S. Renegotiation Bd, 53-55; chief policies & procedures br, acct. div, Middletown Air Materiel Area, U.S. Dept. Air Force, 55-56, syst. & staff acct, D.C., 56-60; financial prog. officer, student loan br, financial aid div, Bur. Higher Ed, 60-66; PROF. FINANCIAL MGT, MINUTEMAN SCH, AIR FORCE INST. TECH, MINOT AIR FORCE BASE, 66- Econ. Asn; Am. Acct. Asn. Administration of unemployment insurance in Nebraska and some economic implications. Address: Air Force Institute of Technology Minuteman School, Minot Air Force Base, N.Dak. 58701.

LARKIN, DR. JOHN DAY, b. Huntland, Tenn, Sept. 15, 97. POLITICAL SCIENCE. A.B., Berea Col, 23; A.M., Chicago, 25; Minnesota, 26; Ph.D., Harvard, 35. Instr. govt, City Col, 34-36, asst. prof, 37; assoc. prof. polit. sci, Armour Inst. Tech, 37-40, prof. Ill. Inst. Tech, 40-62 dean lib. studies, 45-62; ARBITRATOR, LABOR MGT. DISPUTES, 62- Spec. res. asst. to minority mems, Senate Finance Cmt, 29; spec. mediation rep, War Labor Bd, 42-43; pub. mem. & v.chmn, 6th region, 44-45; referee, Nat. Rwy. Adjustment Bd, 54-; Presidential Emergency Bd, 55. Polit. Sci. Asn; Soc. Pub. Admin; Acad. Polit. & Soc. Sci; Acad. Arbit.(v.pres, 51-53, pres, 56); Indust. Rel. Res. Asn; Arbit. Asn. Publ: President's control of the tariff, Harvard, 36; Trade agreements, Columbia, 40. Address: 33 N. LaSalle St, Chicago, Ill. 60602.

LARRABEE, DR. ERIC, Am. Civilization, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LAROWE, PROF. CHARLES P(ATRICK), b. Portland, Ore, May 1, 16; m. 46; c. 1. ECONOMICS. B.S., Washington (Seattle), 46, fel, 47-49, M.A., 48; Ph.D.(econ), Yale, 52. Asst. instr. ECON, Yale, 49-52; assoc. prof, Utah, 52-56; asst. prof, MICH. STATE, 56-57, assoc. prof, 57-61, PROF, 61- Consult, U.S. Bur. Labor Statist, 57. U.S.A., 42-45. Labor economics; institutions and practices in industrial relations. Publ: Shapeup and hiring hall; Maritime labor relations on the Great Lakes; Meteor on the industrial relations horizon: the Foreman's Association of America. Address: Dept. of Economics, Michigan State University, East Lansing, Mich. 48823.

LARSEN, DR. CHARLES E, U.S. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LARSEN, PROF. CHRISTIAN L, b. Hampton, Nebr, Jan. 1, 08; m. 35; c. 1. POLITICAL SCIENCE. A.B., Nebraska, 30, A.M., 32; Ph.D., California, 37. Asst. bur. pub. admin, California, 34-37; instr. polit. sci, Adelbert Col, Western Reserve, 37-40, asst. prof, 40-44, assoc. prof, 44-45; assoc. prof. polit. sci. & asst. dir. bur. pub. admin, South Carolina, 45-49; prof. govt. & politics & dir. bur. pub. admin, Maryland, 49-51; PROF. GOVT, SACRAMENTO STATE COL, 51-, chmn. dept, 51-67. Vis. prof, Hawaii, 61-62. Polit. Sci. Asn. Municipal government; South Carolina's natural resources. Publ: Co-auth, Growth and government in Sacramento, Indiana, 65. Address: Dept. of Government, Sacramento State College, Sacramento, Calif. 95819.

LARSEN, DR. ERNEST R(OBERT), Psychol, see 10th ed, Soc. & Behav. Vols.

LARSEN, DR. HERBERT R(AY), b. Downey, Idaho, Nov. 11, 15; m. 48; c. 3. SOCIOLOGY. A.B., Brigham Young, 38; fel. & Ph.D.(sociol), Utah, 54. Instr. philos, Shrivensham Am. Univ, 45-46; soc. sci, Idaho State Col, 46-48; instr. & counsr, Carbon Col, 50-51; teacher, pub. schs, Idaho, 52-53;

- prof. sociol. Ricks Col, 54-56; with res. dept, Los Angeles Welfare Planning Coun, 56-57; lectr, Los Angeles State Col, 57-59; demographer, Naval Ord. Test Sta, 60-62; Los Angeles County Planning Cmn, 62-63; assoc. prof. sociol, Whittier Col, 63-67; ASST. DIR. COMMUNITY DEVELOP. SERV, SOUTHERN ILLINOIS, 67- Lectr, Claremont Grad. Sch, 64-65. Consult, Los Angeles County Community Serv. Dept, 57-59. U.S.A.A.F. 43-46. AAAS; Sociol. Asn. Philosophy, American religious cults and sects; demography; comparative family systems; dynamics of community life and techniques for implementing orderly change and growth. Publ: A community study of the El Monte, California area; co-auth, Differentiating communities in Los Angeles County & A study of the community of San Gabriel, California. Address: 105 S. Parrish Lane, Carbondale, Ill. 62901.
- LARSEN, DR. JOHN MATHUE, JR, b. Ackley, Iowa, Aug. 8, 22; m. 49; c. 4. INDUSTRIAL PSYCHOLOGY. B.S. Iowa State, 48, M.S. 59; Ph.D. (indust. psychol), Purdue, 63. Instr. psychol, Purdue, 59-63; asst. prof. INDUST. & PERSONNEL MGT, TENNESSEE, 63-65, ASSOC. PROF, 65- U.S.A.A.F. 43-45, 1st Lt. Psychol. Asn. Attitude measurement; supervisory and managerial selection and development; organizational psychology; selection; placement; appraisal of performance; evaluation of training. Publ: Co-auth, Worker satisfaction as a criterion, Personnel Psychol, spring 65 & The assignment of job-attitude items to subscales, J. Appl. Psychol, 6/65. Address: 524 Bardon Rd, Knoxville, Tenn. 37919.
- LARSEN, PROF. OTTO NYHOLM, b. Tyler, Minn, Jan. 23, 22; m. 47; c. 4. SOCIOLOGY. B.A. 47; Ph.D., Washington (Seattle), 55. Instr. SOCIOL, WASHINGTON (SEATTLE), 51-54, asst. prof, 55-57, assoc. prof, 58-62, PROF, 62-, dir. inst. social. res, 61-67. Fulbright prof, Copenhagen, 59-60; vis. lectr, Univs. Stockholm, Uppsala, Lund, Rome, Milan, Oslo & Kiel, 59-60. Ed, Pac. Sociol. Rev. & Sociol. Inquiry; adv. ed. sociol, McGraw-Hill, 64- Mem. Fed. Cmn. on Obscenity & Pornography, 67- Fel. Sociol. Asn; Asn. Pub. Opinion Res. Mass communication; public opinion; social diffusion; collective behavior; social psychology. Publ: Co-auth, Sociology & Flow of information; ed, Violence and the mass media, Harper, 68. Address: 5407 Ravenna Ave. N.E., Seattle, Wash. 98105.
- LARSEN, DR. ROBERT P(ETER), b. Spencer, Iowa, May 29, 09; m. 41. PSYCHOLOGY. B.A., Dana Col.(Nebr), 33; scholar, Iowa, 35-36, M.A. 36, Ph.D. (clin. psychol), 38. Prin, high sch, Okla, 33-35; asst, Iowa, 36-37, asst. & dir. reading clin, 37-38; instr. psychomet, Illinois, 38-39, assoc, 39-42; psychologist, Heinz & Kaufman Co, Calif, 43; ASSOC. PROF. PSYCHOL. & CLIN. COUNSR, ILLINOIS, URBANA, 43- U.S.N.R. 42. Psychol. Asn. Study habits; psychotherapy; guidance. Publ: Co-auth, Studying effectively & How to study history effectively; co-auth, Careers: what they are and how to find them, Follett, 68. Address: Student Counseling Service, 246 Student Services Bldg, University of Illinois, Urbana, Ill. 61802.
- LARSEN, DR. SPENCER ALLAN, b. Spanish Fork, Utah, Mar. 9, 03; m. 25; c. 3. MANAGEMENT, MARKETING. B.S. Brigham Young, 25; M.S. N.Y. Univ, 26 & D.C.S.(bus. admin). 33. Ed. dir, Arnold Constable Co, N.Y., 26-27; from instr. to prof. mkt., North Dakota, 27-38; asst. prof. bus. admin, WAYNE STATE, 38, prof, 43-52, DIR. APPL. MGT. & TECH. CENTER, 52- Consult. packaging, Goodyear Tire & Rubber Co, 46-48. Chmn, Col. Cmt. Mat. Handling Ed, 52-54. First place, Eleventh Annual Aviation Writers' contest, 48; cert. recognition, Am. Soc. Training & Develop, 66. Air freight; perishables; tax and educational organization. Publ: Organization and financing higher education in North Dakota, State N.D., 37; Air cargo research in fruits and vegetables, 44 & Air cargo research in sea foods, 48, Wayne State Univ. Address: Applied Management & Technology Center, Wayne State University, Detroit, Mich. 48202.
- LARSEN, WILLIAM F(REDERICK), Polit. Sci, see 10th ed, Soc. & Behav. Vols.
- LARSON, PROF. ADLOWE L(YLE), b. Brookings, S.Dak, July 16, 07; m. 35; c. 2. AGRICULTURAL ECONOMICS. B.S. S.Dak. State Col, 34, M.S. 35; Ph.D.(agr. econ), Wisconsin, 44. Asst. prof. agr. econ, Okla. State, 36-41, assoc. prof, 41-44, prof, 44-62; PROF. AGR. ECON. & DIR. INT. COOP. TRAINING CENTER, WISCONSIN, 62- Mem. res. & ed. cmt, Am. Inst. Coop, 50-62, chmn, 57-62; ed. cmt, Chicago Bd. Trade, 54-57. Agr. Econ. Asn.(award, Farm Econ. Asn, 45). Cooperative development and training for developing countries, especially Korea, Thailand; agricultural economics, especially agricultural marketing, cooperative marketing and management; faculty-administration relationships in higher education. Publ: Agricultural marketing. Address: International Cooperative Training Center, Room 603, University of Wisconsin, 606 State St, Madison, Wis. 53706.
- LARSON, DR. ALLAN L(OUIS), b. Chetek, Wis, Mar. 31, 32. POLITICAL SCIENCE. B.A. Wis. State, Eau Claire, 54; Norman Wait Harris fel, Northwestern, 54-56, Ph.D.(polit. sci), 64. Asst. prof. POLIT. SCI, Wisconsin, Racine, 63-64; LOYOLA (ILL), 64-68, ASSOC. PROF, 68- Polit. Sci. Asn; Acad. Polit. & Soc. Sci; Acad. Polit. Sci. Comparative study of democratic political institutions and processes; comparison of political systems and political behavior across cultures; normative political theory; history of political thought. Publ: Dilemmas of electoral reform, Soc. Ed, 62; Some aspects of arms control and disarmament, Midwest Quart, 63; Great Britain in world affairs, In: Patterns for modern living: political patterns, Delphian Soc, 66. Address: Dept. of Political Science, Loyola University, 820 N. Michigan Ave, Chicago, Ill. 60611.
- LARSON, DR. ARNOLD B(ENEDIK), b. Sandstone, Minn, Feb. 25, 24. AGRICULTURAL ECONOMICS. B.S. Minnesota, 49, M.S. 51; Ph.D. Stanford, 60. Agr. economist, U.S. Bur. Reclamation, 52-56; asst. food res. inst, Stanford, 58-59, res. assoc, 59-60, acting asst. prof. econ, 60-63; asst. prof. AGR. ECON, HAWAII, 63-66, ASSOC. PROF, 66- Consult, Agency Int. Develop, Argentina, 62. U.S.N. 45-46. Econ. Asn; Statist. Asn; Farm Econ. Asn. Development of statistical tests for economic applications; estimation procedures; futures markets; livestock production cycles. Publ: Measurement of a random process in futures prices & Estimation of hedging and speculative positions in futures markets, Food Res. Inst. Studies; The hog cycle as harmonic motion, J. Farm Econ, 5/64. Address: Dept. of Agricultural Economics, University of Hawaii, 2525 Varney Circle, Honolulu, Hawaii 96822.
- LARSON, DR. CALVIN JAMES, b. Oakland, Calif, Sept. 25, 33; m. 59; c. 1. SOCIOLOGY. A.B. California, Berkeley, 56; M.S. San Jose State Col, 60; Ph.D.(sociol), Oregon, 65. ASST. PROF. SOCIOL, PURDUE, 65- U.S.N.R. 56-58. Sociol. Asn. Contemporary sociological theory; political sociology; community organization. Publ: Co-auth, Metropolis in Crisis, Peacock, 67; Variability of ghetto organization, In: Social welfare and urban problems, Columbia, 68. Address: Dept. of Sociology, Purdue University, Lafayette, Ind. 47907.
- LARSON, PROF. CARL M, b. Council Bluffs, Iowa, Feb. 11, 16; m. 42; c. 1. MARKETING. B.S. Illinois, Urbana, 39; M.B.A. Northwestern, 50. Asst. instr. econ, UNDERGRAD. DIV, ILLINOIS, CHICAGO, 46-49, instr, 49-62, ASST. PROF. MKT, 62- ASSOCIATE PROF, CHICAGO CIRCLE, 66- A.U.S. 41-46. Consumer behavior in the market place; product and brand preferences of the Negro market. Publ: The future of the west central area surrounding the new Chicago Circle campus of the University of Illinois, West Cent. Asn. Chicago, 6/64; co-auth, A survey of brand preferences among Chicago Negro families, Stipes, 67; auth, Does marketing cost too much? Sales/Mkt. Today, 3/66. Address: 8 N. Donald, Arlington Heights, Ill. 60004.
- LARSON, CEDRIC A(RTHUR), b. Fond du Lac, Wis, May 5, 08; m. 44; c. 3. PSYCHOLOGY. A.B. Stanford, 34; A.M. George Washington, 39. Vet. counsr, voc. rehab. & ed. div, N.Y. Regional Off, Vet. Admin, 47-58; SCH. PSYCHOLOGIST, STUDENT ADJUST. SERV, BD. COOP. ED. SERVS, SUFFOLK COUNTY, 53- Instr, univ. col, Rutgers, 53- U.S.N.R. 42-45. Assoc. Psychol. Asn; Coun. Except. Children. Public opinion research; applied and social psychology. Publ: Sixty years of American eminence: the story of Who's Who in America; co-auth, Words that won the war: Watson and Titchener, J. Behav. Sci, 10/66. Address: 53 Arch Lane, Hicksville, N.Y. 11801.
- LARSON, CHARLES A(RTHUR), b. New London, Wis, Oct. 8, 25; m. 47; c. 2. ECONOMICS. B.S. Wisconsin, 48, M.B.A. 50. Asst. rate engr, Middle West Serv. Co, 50-54; rate analyst, Pub. Serv. Co, Colo, 54-57; economist, Edison Elec. Inst, 57-59; SR. CONSULT, NAT. ECON. RES. ASSOCS, 59- U.S.N. 43-46, Lt.(jg). Inst. Elec. & Electronics Eng; Am. Acct. Asn; Statist. Asn; Nat. Asn. Acct; Econ. Asn; Asn. Cost Eng; Inst. Min, Metall. & Petrol. Eng. Cost of natural gas; degree of concentration in the steel industry; retail rates for gas, electric and water service; engineering and economic analyses; financial studies. Publ: Flexible electric rates for large industrial loads, Pub. Utility Fortnightly. Address: National Economic Research Associates, 80 Broad St, New York, N.Y. 10004.
- LARSON, DR. CLIFFORD EMIL, b. Rice Lake, Wis, May 31, 28; m. 54; c. 4. ECONOMICS, MARKETING. B.B.A. Wisconsin, 50, M.B.A. 51. Ph.D.(econ. mkt), 57. Instr. mkt. sch. bus, Colorado, 54-55; sch. commerce, Wisconsin, 55-56; sr. analyst mkt. representation, Ford div, Ford Motor Co, 56-58; dir. div. mkt. W.C. Heath Assocs, Inc, 58-63; dir. commercial res, Robert A. Johnston Co. 63-64; LECTR. MKT. SCH. BUS. ADMIN. WISCONSIN. MILWAUKEE, 64-, DIR. EXEC. PROGS, 66-, ASSOC. DEAN, 68-, asst. dean undergrad. progs, 66-68. Econ. Asn; Mkt. Asn; Sales & Mkt. Exec. Int. Economic development and growth; market behavior. Publ: Co-auth, Industrial development of Wisconsin, 57 & auth, Economic development problem of northern Wisconsin, 68, Bur. Bus. Res, Univ. Wisconsin; Doing business in northern Wisconsin, State Dept. Resource Develop, Wis, 67. Address: School of Business Administration, University of Wisconsin, Milwaukee, Wis. 53201.
- LARSON, DR. DONALD N(ORMAN), b. Chicago, Ill, Nov. 1, 25; m. 49; c. 3. ANTHROPOLOGY, LINGUISTICS. A.B. Wheaton Col.(Ill), 49; M.A. Chicago, 57 & Ph.D.(ling), 65. Assoc. prof. Greek & ling, Trinity Col.(Ill), 49-61; dir. intensive ling. prog, Interchurch Lang. Sch, Manila, P.I, 61-63; spec. secy. ling. & translation, Am. Bible Soc, New York, 63-66; PROF. LING. & ANTHROP, BETHEL COL.(MINN), 66- Prin, Toronto Inst. Ling, 63- Lectr, Missionary Orientation Center, N.C, 67-68. Summer dir. ling. studies, missionary training prog, Drew, 63-66. U.S.N.R. 44-46. Ling. Soc. Am; Anthropol. Asn. Language pedagogy; comparative-transformational grammar; Philippine languages; Koine Greek; ethnographies of communication; religious acculturation. Publ: Co-auth, Techniques for language learners, Toronto Inst. Ling, 58; auth, Philippine language scene, Interchurch Ling. Sch, 62; Structural approach to Greek, Lincoln Col.(Ill), 4th ed, 67. Address: Dept. of Linguistics & Anthropology, Bethel College, St. Paul, Minn. 55101.
- LARSON, DR. DONALD R(AYMOND), Polit. Sci, see 10th ed, Soc. & Behav. Vols, deceased 65.
- LARSON, SISTER ELIZABETH MARY, I.H.M, b. Detroit, Mich, Jan. 20, 28. SOCIOLOGY. B.A. Marygrove Col, 58; Cath. Univ. P.R, summer 59; M.A. St. Louis, 64, Ph.D.(sociol), 67. Teacher, parochial schs, Mich. & P.R, 49-56. 58-59, 61-62: INSTR. methods of teaching & sociol. of ed, Cath. Univ. P.R, 59-61; SOCIOL. & SOC. SCI, MARYGROVE COL, 65- Faculty Inst. Urban Sociol. res. grant, 67. Sociol. Asn. Black-white relations in urban America, especially relative to the role of college students; Catholic education and study of American educational systems; role of teachers and students in poverty problem. Address: Marygrove College, 4825 W. McNichols, Detroit, Mich. 48221.
- LARSON, DR. ERIC H, b. San Mateo, Calif, May 11, 31; m. 59; c. 2. ANTHROPOLOGY. B.A. San Jose State Col, 56, M.A. 61; Ph.D.(anthrop), Oregon, 66. ASST. PROF. ANTHROP, CONNECTICUT, 66- U.S.A.F. 49-51, Sgt. Anthropol. Asn. Oceania; political and economic anthropology. Publ: Nukufero: a Tikopian colony in the Russell Islands, Univ. Oregon, 66. Address: U-68, University of Connecticut, Storrs, Conn. 06268.
- LARSON, GUSTAV E(DWARD), b. Karlskoga, Sweden, May 24, 13; U.S. citizen; m. 39; c. 3. ECONOMICS. A.B. Augustana Col.(Ill), 36; Minnesota, 37-38. Res. asst, U.S. Corps Eng, 38-41; res. specialist, Water Resources Cmt, 41-42; economist, War Prod. Bd, 42-43; sr. info. specialist, Bur. Agr. Econ, 43-46; econ. analyst, mkt. div, U.S. Dept. Commerce, 47-50, dep. dir, off. area develop, 50-60; COMMERCIAL ATTACHE, U.S. EMBASSY, Stockholm,

60-66, OTTAWA, ONT, 66- Award, U.S. Dept. Commerce; Pan Am. Airways, 65; outstanding achievement award, Augustana Col.(Ill), 66. Industrial development; marketing. Publ: Selling the United States market; Trade association industrial research; Future development of the San Francisco Bay area, 1960-2020. Address: 81 Buena Vista Dr, Ottawa, Ont, Can.

LARSON, DR. HAROLD J(OSEPH), Math. Statist, see 11th ed, Phys. & Biol. Vols.

LARSON, PROF. JAMES E(DWARD), b. Woodstock, Ill, Nov. 16, 15; m. 43; c. 4. POLITICAL SCIENCE. B.A. Cornell, 40; M.P.A. Michigan, 47, Ph.D. (polit. sci.), 52. Asst. Michigan, 47-49; res. assoc. West Virginia, 49-52; dir. res. inst. pub. admin. Philippines, 52-54; assoc. prof. POLIT. SCI., Alabama, 54-63; PROF. & HEAD DEPT. SOUTH CAROLINA, 63- Res. dir. Cmt. Revision State Tax Laws, Ala, 56. U.S.N. 41-46, Lt. Comdr. Public administration and finance; state government. Publ: Intergovernmental relations in West Virginia; Reapportionment in Alabama; Reapportionment and the courts, Univ. Alabama, 62. Address: Dept. of Political Science, University of South Carolina, Columbia, S.C. 29208.

LARSON, PROF. J(AMES) ROBERT, b. Spokane, Wash, Sept. 7, 25; m. 50; c. 7. SOCIOLOGY. A.B. Seattle, 49; M.A. Fordham, 52; Danforth grant & Ph.D.(sociol.), Washington (Seattle), 58. Lectr. sociol. & philos. SEATTLE, 52-54, instr. 54-58, assoc. prof. 58-67, PROF. SOCIOLOGY, 67- U.S.N.R. 43-46, Ens. Sociol. Asn. Social psychology, especially problems of self-conceptions; philosophy of science as it applies to social science, history and theory of sociology. Publ: Co-auth, Scaling problems in a study of conceptions of Air Force leader roles, Pub. Opinion Quart, fall 54. Address: Dept. of Sociology, Seattle University, Seattle, Wash. 98122.

LARSON, DR. JOHN A(LBERT), Polit. Sci, see 10th ed, Soc. & Behav. Vols.

LARSON, PROF. OLAF F(REDRICK), b. Edgerton, Wis, Feb. 26, 10; m. 39; c. 2. RURAL SOCIOLOGY. B.S. Wisconsin, 32, M.S. 33, Ph.D. 41; Minnesota, 34-35. From asst. prof. to assoc. prof. sociol. Colo. State Col, 35-38; agr. economist & soc. sci. analyst, U.S. Dept. Agr, 38-46; assoc. prof. RURAL SOCIOLOGY, CORNELL, 46-49, PROF, 49-, head dept, 57-66. Fulbright res. scholar, Oslo, 51-52; Naples, Italy, 51-62; State Univ. N.Y. Col. Agr. traveling fel, Sweden, Denmark, Finland, 52, Italy, France, Germany & Netherlands, 59; vis. scholar, Center Adv. Study Behav. Sci, 67-68. V.chmn., First World Cong. Rural Sociol, 63-64. Sociol. Asn: Rural Sociol. Soc. (v-pres, 52, pres, 58); Sociol. Res. Asn; Agr. Econ. Asn; European Soc. Rural Sociol. Community: rural social systems and social change: public policy for agriculture and rural society. Publ: Ten years of rural rehabilitation in the United States: Rural social organization and social change, Agr. Exp. Sta, Univ. Illinois, 66; Rural society, In: International encyclopedia of the social sciences, 68. Address: Dept. of Rural Sociology, Cornell University, Ithaca, N.Y., 14850.

LARSON, DR. RICHARD F(RANCIS), b. Yakima, Wash, Apr. 2, 31. SOCIAL PSYCHOLOGY. B.A. Seattle, 57; M.A. Washington (Seattle), 58; fel, Notre Dame, 59-61, Ph.D.(sociol), 61. Asst. Wash. Pub. Opinion Lab, Washington (Seattle), 57-59; asst. prof. SOCIOLOGY, Alabama, 61-62; Rhode Island, 62-64; assoc. prof. Okla. State, 64-67; Missouri, St. Louis, 67-68, acting chmn. dept, 68; ASSOC. PROF. FLORIDA, 68- U.S.N. 50-54. Fel. Sociol. Asn; Soc. Sci. Study Relig. Social, psychological and cultural factors as related to health and medicine. Publ: Co-auth, Can the mail-back bias contribute to a study's validity?, Am. Sociol. Rev; auth, Clerical and psychiatric conceptions of the clergyman's role in the therapeutic setting, Soc. Probs, spring 64; Value differences and value consensus by socioeconomic levels, Soc. Forces, 6/66. Address: Dept. of Sociology, University of Florida, Gainesville, Fla. 32601.

LARSON, PROF. ROBERT N, b. Boston, Mass, July 17, 17; m. 54. POLITICAL SCIENCE. A.B. Columbia, 41; A.M. Tufts, 47; A.M. Boston, 51, Ph.D.(polit. sci.), 60. Instr. polit. sci, Rhode Island, 51-53; Miami (Fla), 55-56; Tampa, 56-58; asst. prof. The Citadel, 59-60; asst. prof. polit. sci. & dir. pub. admin. serv, New Hampshire, 60-61; assoc. prof. POLIT. SCI, Auburn, 61-63; Indiana State, 63-64; NEW HAVEN COL, 64-68, PROF, 68-, coordinator pub. & soc. admin, 65-67. Soc. Pub. Admin. State and local government; public administration; legislative career of Abraham Lincoln: comparative administrative organization of government in federal systems; political thought of James Fenimore Cooper. Publ: The Governors Council in New England, Univ. Microfilms, 60. Address: Dept. of Social Studies, New Haven College, 300 Orange Ave, West Haven, Conn. 06516.

LARSON, DR. RONALD R, b. Kansas City, Kans, Oct. 23, 27; m. 55; c. 3. MARKETING. A.B. Baker, 51; M.B.A. Indiana, 53, D.B.A.(mkt), 57. Foreman, Procter & Gamble Mfg. Co, 56-57; asst. prof. mkt. Mich. State, 57-59; prog. mgr. long range planning serv, STANFORD RES. INST, 59-68, DIR. PRINTING & PUB. ECON, 68- U.S.A. 46-57. Econ. Asn. Printing and publishing industries; corporate planning; land economics; industry analysis; finance. Publ: Co-auth, Trading stamp practices and pricing policies, Indiana Univ, 58; Economics and social effects of highway improvements, Mich. State, 59; auth, Private brands, Stanford Res. Inst. 66. Address: Stanford Research Institute, 333 Ravenswood Ave, Menlo Park, Calif. 94025.

LARSON, PROF. WILLIAM S(EVERT), b. Stromsburg, Nebr, Sept. 4, 99; m. 22; c. 2. PSYCHOLOGY. B.F.A. Nebraska, 20; M.A. Columbia, 26; Ph.D.(psychol), Iowa, 28. Dir. music, pub. schs, Nebraska, 20-22; head pub. sch. music dept. & dir. music, Nebr. Wesleyan, 22-23; head instrumental music dept, Northwest. Mo. State Teachers Col, 23-25; teacher instrumental music, Horace Mann Sch, teachers col, Columbia, 26-27; Eastman fel. psychol. of music, Iowa, 28-29; chmn. music ed. dept. & sch. psychologist, EASTMAN SCH. MUSIC, ROCHESTER, 29-65, EMER. PROF, 65- Psychol. of music; music education. Publ: The place of research in music education, Music Teachers Nat. Asn. Proc; Review of music tests, In: Mental measurements yearbooks, Vols. 2-5; compiler, Bibliography of research studies in music education, 1932-1948, Music. Ed. Nat. Conf. & 1949-1956, J. Res. Music Ed. Address: 1252 Penfield Crescent, Rochester, N.Y. 14625.

LaRUFFA, DR. ANTHONY L, b. Oyster Bay, N.Y, Oct. 19, 33; m. 59; c. 2. ANTHROPOLOGY. A.B. City Col. New York, 55; A.M. Columbia, 59, Ph.D. (anthrop), 66. Lectr. ANTHROP, HUNTER COL, 61-66, ASST. PROF, 67- Consult, Dept. Health, P.R. 64. Fel. Anthropol. Asn; Ethnol. Soc; Soc. Sci. Study Relig; N.Y. Acad. Sci. Religious movements; sociocultural dynamics; community studies; ethnic relations; urban anthropology. Address: Dept. of Anthropology, Hunter College, Bedford Park Blvd. W, New York, N.Y. 10468.

LARY, HAL B(UCKNER), b. Gatesville, Tex, July 24, 10; m. 39; c. 3. ECONOMICS. Lic. ès Sci. Pol. Geneva, 32. Asst. dir. res. & planning div, Econ. Cmn. Europe, UN, 47-49, dir. 49-57; sr. staff economist, coun. econ. adv. Exec. Off. President, 57-60; ASSOC. DIR. RES. NAT. BUR. ECON. RES, 60- Econ. Asn. International trade and payments problems. Publ: The United States in the world economy, U.S. Dept. Commerce, 43; Problems of the United States as world trader and banker, 63 & Imports of manufactures from less developed countries, 68, Nat. Bur. Econ. Res. Address: National Bureau of Economic Research, 261 Madison Ave, New York, N.Y. 10016.

LARZELERE, DR. HENRY E(ARLE), b. Lakewood, Ohio, Nov. 15, 11; m. 38; c. 3. AGRICULTURAL ECONOMICS. B.A. Oberlin Col, 33; M.S. Ohio State, 34; Ph.D.(agr. econ), Wisconsin, 38. Instr. AGR. ECON, MICH. STATE, 38-42, asst. prof, 42-43, 46-48, assoc. prof, 49-67, PROF, 67-, EXTEN. SPECIALIST, 46- Dist. economist, Off. Price Admin, 43-44. U.S.N.R. 44-46, Lt. Agr. Econ. Asn; Poultry Sci. Asn; Can. Agr. Econ. Soc. Egg and poultry marketing; price outlook work; cooperative business management. Publ: Auth, Current styles and shapes in egg contracting-II. Agr. Econ. Report 39 & The egg industry in transition, Agr. Econ. Report 79 & co-auth, Ratios as measuring sticks for elevator and farm supply organizations, Bull. Mich. Agr. Exp. Sta. Address: Dept. of Agricultural Economics, Michigan State University, East Lansing, Mich. 48823.

LASAGNA, DR. LOUIS (CESARE), Pharmacol, see 11th ed, Phys. & Biol. Vols.

LASH, DR. LEONARD, b. Detroit, Mich, Jan. 19, 34; m. 57; c. 2. PHYSIOLOGICAL PSYCHOLOGY. B.A. Mich. State, 58; U.S. Pub. Health Serv. fcls, Michigan, 58-59 & 61-62, univ. fel, 60-61, M.A. & Ph.D.(psychol), 63. Res. asst. PSYCHOL, Mich. State, 57-58; lab. coordinator, Michigan, 59-62, res. asst, 59-61; res. assoc, Missouri, 62-63, ASST. PROF, 63-65, BUCKNELL, 65- Nat. Sci. Found. study grant, 64-66; Nat. Inst. Ment. Health study grants, 66- U.S.A. 54-56. AAAS; Psychol. Asn. Effects of spreading depression on learning; behavioral functions of the hippocampus; learned thermoregulation. Publ: Response discriminability and the hippocampus, J. Comp. & Physiol. Psychol, 64; co-auth, The effects of pre-puberal environment and post-puberal blinding on maze learning, 65 & Conditioned avoidance decrement under spreading depression, 66, Psychonom. Sci. Address: 409 S. 21st St, Lewisburg, Pa. 17837.

LASHBROOK, PROF. RALPH R(ICHARD), b. Harlan Co, Nebr, Aug. 5, 05; m. 37; c. 2. JOURNALISM. B.S. Kansas State, 29; M.S. Wisconsin, 42. City desk, Kansas City Star, Mo, 29-30; ed, Empire Mag, Cities Serv. Co, 30-31; city news ed, Morning Examiner, Bartlesville, Okla, 31-34; instr. Journalism, KANSAS STATE, 34-36, asst. prof, 36-38, assoc. prof, 38-43, acting head dept, 43, PROF. TECH. JOURNALISM, 43-, HEAD DEPT, 44- Asn. Schs. & Depts. Journalism (pres, 52); Asn. Ed. in Journalism; Pub. Rels. Soc; Coun. Ed. for Journalism; Asn. Agr. Ed. Industrial and agricultural journalism. Address: Dept. of Technical Journalism, 104 Kedzie Hall, Kansas State University, Manhattan, Kans. 66502.

LASKER, BRUNO, Sociol, see 10th ed, Soc. & Behav. Vols, deceased 65.

LASKER, DR. GABRIEL (WARD), Anat, Anthropol, see 11th ed, Phys. & Biol. Vols.

LASKIN, DR. RICHARD, b. Honesdale, Pa, Feb. 20, 31; m. 56; c. 1. SOCIOLOGY. B.A. City Col. New York, 53; M.A. Pa. State, 57, Ph.D. 59. Instr. SOCIOLOGY, Miami (Ohio), 58-59; asst. prof, Brandon Col, 59-60; Alberta, 61-65; ASSOC. PROF. SOCIOLOGY, ILL. INST. TECH, 65-, acting chmn. dept, 66-68. Sociol. Asn. Formal organizations such as labor organizations and police departments; deviant behavior and disorganization. Publ: Auth. & ed, Social problems: a Canadian profile, McGraw, 64; co-auth, An integrative analysis of voluntary associational leadership and reputational influence, Sociol. Inquiry, 65; auth, A master's degree program in sociology, Am. Sociologist, 68. Address: Dept. of Sociology, Illinois Institute of Technology, Chicago, Ill. 60616.

LASKO, DR. ALVIN A(NONE), b. Minneapolis, Minn, Sept. 16, 16; m. 51; c. 2. PSYCHOLOGY. U.S. Pub. Health Serv. fel, Ohio State, 51-52, Ph.D.(psychol), 52. From instr. to asst. prof. psychol, California, Los Angeles, 52-55; CO-DIR. PSYCHOL. SERV. ASSOCS, 55- Dipl. Am. Bd. Exam. Prinf. Psychol. U.S.A. 45-46. Psychol. Asn. Personality theory; psychotherapy. Publ: Development of expectancies under conditions of patterning and differential reinforcement; Psychotherapy, habits and values, In: Challenges of humanistic psychology, McGraw, 67. Address: 1314 Westwood Blvd, Los Angeles, Calif. 90024.

LASKOWITZ, DR. DAVID, b. New York, N.Y, Oct. 3, 28; m. 52; c. 1. PSYCHOLOGY. B.S. City Col. New York, 49, M.S. 50; Ph.D.(psychol), 59. Intern. psychol, New York Psychiat. Inst. & Hosp, 51; asst. clin. psychologist, Manhattan State Hosp, 51-53; staff psychologist, Center Community Guid. Serv, 55-56; Testing & Advisement Center, N.Y. Univ, 56; dir. psychol, Riverside Hosp, 56-63; assoc. dir, Greenwich House Counseling Center, 63-65; ASST. PROF. PSYCHOL, ALBERT EINSTEIN COL. MED, 65- Psychologist, Bleuler Psychother. Center, 59-; Adler Ment. Consult. Center, 60-; private practice, 61- Exec. ed, Int. J. of the Addictions, 66- Med.C. U.S.A. 53-55. Psychol. Asn. Narcotics addiction; psychopharmacology; psychotherapy. Publ: Rorschach study of adolescent addicts who died of an overdose, Psychiat. Digest, 5/64; Psychological characteristics of the adolescent addict, In: Drug addiction in youth, Pergamon, 65; Phenomenology of doriden dependence among drug addicts, Int. J. of the Addictions, 5/67. Address: Lincoln Hospital Mental Health Services, 333 Southern Blvd, Bronx, N.Y. 10454.

- LASKY, DR. DAVID I(SAAC), b. Philadelphia, Pa, May 6, 35; m. 60; c. 2. PSYCHOLOGY. A.B. Temple, 56, A.M. 58, Ph.D.(psychol), 61. Instr. psychol, Elizabethtown Col, 60-61, asst. prof. 61-63, assoc. prof. 63-66, prof. 66-67, chmn. dept. 61-67; DIR. MED. & BEHAV. RES. HARRISBURG STATE HOSP. HARRISBURG, PA, 67- Summer fel, Iowa, 62. Psychol. Asn. Behavioral science; community mental health. Address: 501 Ridgeview Ave, Elizabethtown, Pa. 17022.
- LASKY, DR. JULLIAN, b. Winnipeg, Man, May 2, 18; nat; m. 42; c. 2. CLINICAL PSYCHOLOGY. B.S. Michigan, 41, M.S. 42, Ph.D.(clin. psychol), 50. Chief clin. psychol, Vet. Readjustment Center, Ann Arbor, Mich, 48-50; Vet. Admin. Hosp. Dearborn, 50-53, Ann Arbor, 53-57, chief chemother. res, Vet. Admin. Cent. Neuropsychiat. Res. Lab, Perry Point, Md, 58-62; asst. dir. selection div, Peace Corps, D.C. 63; EXEC. SECY. STUDY SECT. CLIN. RES. CLIN. PROJS. RES. REV. CMT. DIV. EXTRAMURAL RES. PROGS, NAT. INST. MENT. HEALTH, 64- Lectr, Michigan, 46-50; prof, Maryland, 59- U.S.A. 42-46. Evaluation of chemotherapy of mental diseases. Address: 3106 Crest Ave, Cheverly, Md. 20785.
- LASSEN, DR. GEORGE, b. New York, N.Y., Feb. 25, 30; m. 57; c. 1. PSYCHOLOGY. B.A. N.Y. Univ, 50; M.A. Long Island, 52; Hogg Found. fel, Texas, 53-54, Ph.D.(ed. psychol), 55. Intern counseling psychol, testing & guid. bur, Texas, 53-54, psychol. counsr, 55; res. clin. psychol, St. Elizabeths Hosp, Wash, D.C. 55-56; staff psychologist, Larue Carter Mem. Hosp, Indianapolis, Ind, 56-57, chief psychologist, 57-59; asst. prof. psychol, sch. med, Arkansas, 59-61; PSYCHOLOGIST, CIRCUIT COURT BALTIMORE COUNTY, 61- Assoc. prof, Towson State Col, 66- Private practice, 62- Dipl. counseling psychol, Am. Bd. Exam. Prfnl. Psychol, 64. Psychol. Asn; Personnel & Guid. Asn. Personnel selection and management development; counseling; projective techniques. Publ: The psychologist as an expert witness in assessing mental disease or defect, Am. Bar Asn. J, 64. Address: 8134 Scotts Level Rd, Baltimore, Md. 21208.
- LASSEY, DR. WILLIAM R(AYMOND), b. Cartwright, N.Dak, Sept. 27, 34; m. 57; c. 2. SOCIOLOGY, COMMUNICATION. B.S. Montana State, 56, Carnegie Found. fel. & M.S. 61; Ph.D.(commun), Mich. State, 67. Asst. dir. int. center, Montana State, 59-61; asst. instr. commun, Mich. State, 61-62, 64; asst. dir. commun. res, Am. Int. Asn, 62-64; ASST. PROF. SOCIOL, MONTANA STATE, 64- Agr. Develop. Coun. res. grant, Guatemala, 65-68. Mem, Regional Res. Cmt. Criteria for Defining Develop. Areas, 67- Sig.C. U.S.A. 57-59. Nat. Soc. Study Commun; Rural Sociol. Soc. Communication problems in social change and agricultural development; leadership and community development; mass media in education of illiterate and low literate rural people. Publ: Employment opportunities in international technical cooperation, Int. Coop. Center, 61; Communication, risk and decision-making in Costa Rica, Am. Int. Asn, 67; Combining methods of behavioral research in underdeveloped areas, Rocky Mt. Soc. Sci. Rev, 68. Address: Dept. of Sociology, Montana State University, Bozeman, Mont. 59715.
- LASSITER, PROF. ROY LELAND, JR, b. Clermont, Fla, Mar. 27, 27; m. 48; c. 3. ECONOMICS, STATISTICS. B.S.A. Florida, 53, Ph.D. 57. Instr. ECON, FLORIDA, 55-57, asst. prof. 57-59, assoc. prof. 59-64, PROF. 64-, ASSOC. DEAN ACAD. AFFAIRS, 68-, asst. dean, 66-68. Consult, Cent. & South. Flood Control Dist, Fla, 54-56; Fla. East Coast Rwy. Co, 61; legal firms, 67- U.S.C.G. 45-46; U.S.A. 50-52, Res, 52-, Maj. Econ. Asn. Economics of resource use; damages in personal injury and wrongful death cases. Publ: The association of income and educational achievement, Univ. Florida, 66; Agricultural land prices in Palm Beach County, Florida, 1940-1955, Univ. Fla. Agr. Exp. Sta. Tech. Bull; Experience of selected manufacturing firms with the availability skills and training of manufacturing workers in Florida. Address: Office of Academic Affairs, 233 Tigert Hall, University of Florida, Gainesville, Fla. 32601.
- LASSNER, DR. RUDOLF, b. Vienna, Austria, Jan. 17, 06; nat; m. 44; c. 1. PSYCHOLOGY. Ph.D.(psychol), Vienna, 36. Intern clin. psychol, State Dept. Ment. Hyg, N.Y. 42-43; res. psychologist, Rockland State Hosp, Orangeburg, 43-44; psychologist, Lincoln State Sch. & Colony, III, 44-45; State Training Sch. Boys, Minn, 45-46; clin. psychologist, Training Sch, N.J. 46-47; sr. clin. psychologist, guid. center, San Quentin Prison, 47-48; consult. psychologist, 48-49; chief psychologist, Child Study Inst, Family Court, Toledo, Ohio, 49-54; State Hosp. & Ment. Hyg. Clins, Farnhurst, Del, 54-57; Ment. Health Inst, Cherokee, Iowa, 58-59; private practice, 59-61; CLIN. PSYCHOLOGIST, COLO. STATE HOSP, 61- Lectr, Mary Manse Col, 53. Private practice, 62- Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn; fel. Soc. Group Psychother. & Psychodrama; Asn. Ment. Deficiency. Group psychotherapy; psychodrama; mental health education. Publ: Psychodrama in prison, Group Psychother; Group psychotherapy as a form of rehabilitation service, Del. State Med. J; Family centered group therapy with chronic schizophrenic patients, In: International handbook of group psychotherapy, 66. Address: 1530 Lexington, Pueblo, Colo. 81001.
- LASSOFF, DR. SAUL, b. Hartford, Conn, June 3, 24; m. 57; c. 4. CLINICAL PSYCHOLOGY. A.B. Washington (St. Louis), 50; M.A. Wayne State, 52; Ph.D.(psychol), Denver, 57. Psychol. intern, Menorah Med. Center, 52-53; clin. psychologist, med. center, Kansas, 53-54; asst. res. & develop, U.S. Dept. Air Force, Lowry Air Force Base, 56; psychologist, Colo. Acad, 56-57; fel. psychol, med. sch, Wisconsin, 57-58; clin. psychologist, Napa State Hosp, Imola, Calif, 58-67; CHIEF ALCOHOLISM CLIN, ALAMEDA COUNTY HEALTH DEPT, 67- U.S.N. 43-46. Psychol. Asn. Individual and group psychotherapy; diagnostic testing; intern training; preventive mental illness; family therapy. Address: 1226 Josephine St, Berkeley, Calif. 94703.
- LASSWELL, PROF. HAROLD D(WIGHT), b. Donnellson, Ill, Feb. 13, 02. POLITICAL SCIENCE. Ph.B. Litt.D. 22, Ph.D. 26, LL.D. 67; London, Geneva, Paris & Berlin, 23-24; hon. Litt.D. Jewish Theol. Sem. Am. 65; LL.D. Illinois, 68. From asst. to assoc. prof. polit. sci, Chicago, 22-38; polit. scientist, Wash. Sch. Psychiat, 38-39; dir. war commun. res, Library Cong, 39-45; PROF. LAW, SCH. LAW, YALE, 46-, POLIT. SCI, 52-, vis. Sterling lectr, 38-45. Vis. prof, Syracuse, 26; Soc. Sci. Res. Coun. fel, 28-29; vis. prof, Western Reserve, 29; California, 35; Yenching, 37; lectr, New Sch. Soc. Res, 39-43; Salmon Mem. lect. N.Y. Acad. Med, 47; fel. Center Adv. Study Behav. Sci, 54-; Ford Found. res. fel, 61-62; vis. lectr, Patna, 67; Latin-Am. Sch. Polit. Sci. & Pub. Admin, Santiago, Chile, 66. Consult, U.S. Dept. Interior, 34; U.S. Dept. Agr, 38-39; U.S. Dept. Justice, 41-42; U.S. Dept. State, 45-47; Rand Corp, Calif, 48-67. Prize, Am. Coun. Learned Socis, 60. AAAS (v.pres, 63-64); Polit. Sci. Asn.(pres, 56); Sociol. Asn; Am. Acad. Arts & Sci; Soc. Int. Law (v.pres, 66-68). Decision process; language of politics; personality and politics. Publ: Psychopathology and politics, Univ. Chicago, 30; World politics and personal insecurity, McGraw, 35; Analysis of political behavior, an empirical approach. Address: Dept. of Law & Political Science, Yale University School of Law, 127 Wall St, New Haven, Conn. 06520.
- LASSWELL, PROF. MARCIA E(CK), b. Oklahoma City, Okla, July 13, 27; m. 50; c. 3. SOCIAL PSYCHOLOGY. B.A. California, Berkeley, 49; M.A. Southern California, 52; California, Riverside, 64-65. Asst. prof. PSYCHOL, Pepperdine Col, 60-61; from asst. prof. to ASSOC. PROF. CALIF. STATE POLYTECH. COL, 61-, CHMN. DEPT. PSYCHOL. & SOCIOL, 64- Lectr, Scripps Col, 64; exten. div, California, 64-; Nat. Sci. Found. grant contemporary psychol, summer, 63. Consult, Inst. Therapeut. Psychol, 60-63; Affiliated Psychol. Consult, 63- Sociol. Asn; Asn. Marriage Counsr; Nat. Coun. Family Rels. Social psychology, especially leadership and small group dynamics; teaching of social psychology and child psychology. Publ: College teaching manual—general psychology, Scott, 67; co-auth, Love and marriage, Scott, in press & Social psychology, Houghton, in press. Address: Dept. of Psychology, California State Polytechnic College, Pomona, Calif. 91766.
- LASSWELL, PROF. THOMAS ELY, b. St. Louis, Mo, Oct. 29, 19; m. 50; c. 3. SOCIOLOGY. A.B. Ark. Col, 40; M.S. Southern California, 47, Ph.D.(sociol), 53. Asst. prof. SOCIOL, exten. div, Southern California & Pepperdine Col, 50-54; from assoc. prof. to prof, Grinnell Col, 54-59; assoc. prof, SOUTHERN CALIFORNIA, 59-63, PROF, 63-, DIR. HONORS PROG, 61- Vis. prof, Pomona Col, 67- Consult, Deasy & Bolling, Archit, Los Angeles, 65-; Caudill, Rowlett & Scott, Archit, Houston, Tex, 66-; Univ. California, Irvine, 66-67. Assoc. dir, Nat. Teacher Corps, 66- U.S.N.R, 42-46, Lt. Fel. Sociol. Asn. Social stratification; application of social psychological principles to architecture. Publ: Co-auth, Sociology, an introduction & Life in society, Scott, 65; auth, Class and stratum, Houghton, 65. Address: 875 Hillcrest Dr, Pomona, Calif. 91766.
- LAST, PROF. EMANUEL M, b. Jersey City, N.J., Dec. 16, 15; m. 40; c. 1. BUSINESS ADMINISTRATION, MATHEMATICS. B.A. Montclair State Col, 38; M.S. N.Y. Univ, 39, Ph.D. 50. Asst. employ. mgr, Namm's, Inc, 38-42, store mgr, 45-47; prof. retailing, City Col. New York, 47-49; prof. mkt. & chmn. dept. sch. bus. admin, Richmond, 49-66, dir. prog. exec. develop, 55-66; PRIN. LAST & ASSOCS, CONSULT. TO MGT, 66- Ed. counsr, South. Inst. Mgt. Mkt. & mgt. consult, 47-; Found. Econ. Ed. fel, 51; partner & gen. mgr, Gen. Invest, Inc, 61- Civilian radar instr, 42-45. Mkt. Asn; Mgt. Asn. Pricing in industry. Publ: Trading stamps in Richmond, Virginia. Address: Last & Associates, 801 E. Main St, Richmond, Va. 23219.
- LASTRA, DR. CARLOS J. GONZALEZ, b. Ponce, P.R., Aug. 7, 19; m; c. 5. ECONOMICS. B.A. Puerto Rico, 54; M.A. Harvard, 56, Ph.D.(econ), 61. Off. mgr, Hosp. Supply Co, 38-43; assoc. prof. econ, Puerto Rico, 57-61; secy. commerce, Commonwealth P.R. 61-65, secy. state, 65-66; CHANCELLOR, INTER-AM. UNIV. P.R. 67- Mem, Regional Export Expansion Coun, 67- Econ. Asn; Statist. Asn; Nat. Asn. Act. International commerce; public finance; money and banking; international development. Publ: Impact of minimum wages on a labor-oriented industry, Govt. Develop. Bank, 64. Address: Inter-American University of Puerto Rico, San German, P.R. 00753.
- LASTRUCCI, PROF. CARLO L, b. San Francisco, Calif, May 4, 11; m. 38; c. 1. SOCIOLOGY. A.B. San Francisco State Col, 35; M.A. North Carolina, 36; Ph.D. (sociol), Stanford, 41. Instr. SOCIOL, SAN FRANCISCO STATE COL, 40-46, asst. prof. 46-48, assoc. prof. 48-53, PROF, 53- Sociol. Asn. Family; methodology. Publ: The scientific approach, Schenkmann, 63. Address: Dept. of Sociology, San Francisco State College, San Francisco, Calif. 94132.
- LATANE, DR. BIBB, b. New York, N.Y., July 19, 37; m. 66. SOCIAL PSYCHOLOGY. B.A. Yale, 58; Ph.D.(psychol), Minnesota, 63. Instr. SOC. PSYCHOL, COLUMBIA, 62-63, asst. prof. 63-68, ASSOC. PROF, 68- Guest scientist, Naval Med. Res. Inst, 64-66; Nat. Sci. Found. grant, 66- AAAS; Psychol. Asn; Sociol. Asn; Animal Behav. Soc; Psychonomic Soc. Social determinants of bystander intervention in emergencies; sources of social attraction in animals and man; social responsibility; fear and anger; avoidance behavior in animals and in humans; group processes. Publ: Social attraction: experiments in animal gregariousness, Academic, (in press); co-auth, Crime cognition and the autonomic nervous system, Nebr. Symp. Motivation, 64 & Group inhibition of bystander intervention in emergencies, J. Personality & Soc. Psychol, 68. Address: 603 Mathematics Bldg, Columbia University, New York, N.Y. 10027.
- LATANE, PROF. HENRY ALLEN, b. Buchanan, Va, July 5, 07; m. 32; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. B.A. Richmond, 28; M.B.A. Harvard, 30; Ph.D. North Carolina, 58. Security analyst, Bankers Trust Co, N.Y. 30-40; Lionel D. Edie & Co, 40-51; lectr. investments, NORTH CAROLINA, CHAPEL HILL, 58-62, from prof. bus. admin. to PROF. FINANCE, 62- Econ. Asn; Finance Asn; Statist. Asn. Asset preference. Publ: Criteria for choice among risky ventures; Cash balances and interest rates; Seasonal factors from average of adjacent months. Address: Dept. of Finance, School of Business Administration, University of North Carolina, Chapel Hill, N.C. 27515.
- LATHAM, DR. A(LBERT) J(ACKSON), b. Lexington, Mo, June 30, 19; m. 45; c. 4. PSYCHOLOGY. B.A. Virginia, 40; M.S. Pittsburgh, 47, Ph.D.(psychol), 48. Asst. prof. psychol, Louisville, 48-51; 53-55; aviation psychologist, Chance Vought Corp, 55-59, supvr. human factors group, aeronaut. div, 59-64; res. assoc, Louis Bowles & Grace, Tex, 64-65; pres, Electro Match, Inc, 65-68; SURV. ANALYST, GEORGE S. MAY CO, 68- U.S.A. 40-46; U.S.A.F. 51-53. Psychol. Asn. Experimental design; aviation psychology;

learning. Publ: Guides to psychological literature, *Am. Psychologist*. Address: 4440 Beverly Dr, Dallas, Tex. 75205.

LATHAM, PROF. EARL G(ANSON), b. New Bedford, Mass, Oct. 28, 07. POLITICAL SCIENCE. A.B. Harvard, 31, Soc. Sci. Res. Coun. fel. 35-36, Ph.D. 39; hon. A.M. Amherst Col., 49. Asst. govt. Harvard, 33-35, instr. & tutor, 36-40, Radcliffe Col., 38-40; asst. prof. POLIT. SCI., Minnesota, 40-44, assoc. prof., 44-48; EASTMAN FOUND. PROF., AMHERST COL., 48-. CHMN. DEPT., 49- Spec. correspondent, Washington Post, 37-39; sr. admin. analyst, U.S. Bur. Budget, 42-43, asst. chief field serv., 43-46, chief economist, div. statist. standard, 46; dir. int. seminar, Harvard, 60. Consult, U.S. Bur. Budget, 46-48; statist. off., UN Secretariat, 48-50. Chmn. cmt. soc. sci. personnel, Soc. Sci. Res. Coun., 52-60, bd. dirs., 55-57; mem. Coun. Admin. Conf. U.S. 61. Del. cong. Int. Polit. Sci. Asn., Rome, 58. Citation, Woodrow Wilson Found., 57; David Demarest Lloyd prize, Harry S. Truman Library Inst., 66. Polit. Sci. Asn. (v. pres., 57-58); fel. Am. Acad. Arts & Sci. American constitutional law, history and theory, public administration. Publ: Politics of railroad coordination; Group basis of politics; The Communist controversy in Washington, from the New Deal to McCarthy, Harvard, 66. Address: Dept. of Political Science, Amherst College, Amherst, Mass. 01002.

LATHAM, PROF. JAMES P(ARKER), b. Collingdale, Pa., June 2, 18; m. 45. GEOGRAPHY. B.S., Pennsylvania, 49, M.S., 50, M.A., 51, Ph.D. (econ), 59. Lectr. geog. & indust. & res. assoc. geog., Pennsylvania, 51-59; assoc. prof. GEOG., Bowling Green State, 59-64; PROF. & CHMN. DEPT., FLORIDA ATLANTIC, 64-. U.S.A.F., 42-46; U.S.A.R., 47-. Maj. Asn. Am. Geog.; fel. Am. Geog. Soc.; Soc. Photogram; Inst. Elec. & Electronic Eng; Nat. Coun. Geog. Ed; Regional Sci. Asn; Int. Geog. Union. Electronic instrumentation of geographic research; remote sensing; economic land use; military strategic area analysis. Publ: Distance relations of cropland areas in Pennsylvania: an experiment in methodology & Methodology for instrumented geographic research, Tech. Report, Off. Naval Res; Remote sensing of environment, *Geog. Rev.*, 7/66. Address: Dept. of Geography, Florida Atlantic University, Boca Raton, Fla. 33432.

LATHRAP, DR. DONALD W(ARD), b. Oakland, Calif., July 4, 27; m. 58; c. 1. ANTHROPOLOGY. A.B. California, 50; Ph.D., Harvard, 62. Instr. ANTHROP. ILLINOIS, URBANA, 59-62, asst. prof., 62-65, ASSOC. PROF., 65- Nat. Sci. Found. grant, 64-65. U.S.N., 45-46, 52-53. Anthropol. Asn; Soc. Am. Archaeol. Rise of agricultural societies in the New World; basis of New World civilizations; agricultural societies of Tropical Forest South America; ceramic technology and underlying cognitive systems. Publ: Ed, Archaeological classification of culture contact situations, In: Seminars in archaeology, 1955; auth, Classic stage in Mesoamerica & Cultural sequence at Varinacocha, Eastern Peru. Address: Dept. of Anthropology, 109 Davenport Hall, University of Illinois, Urbana, Ill. 61801.

LATHROP, DR. RICHARD G(RANT), b. Roswell, N.Mex., Jan. 7, 33; m. 53; c. 3. PSYCHOLOGY. B.S., Calif. State Polytech. Col., 55; M.A., Eastern New Mexico, 57; Ph.D. (psychol), Rutgers, 63. Teacher, high sch., N.Mex., 55-56; teaching asst. psychol., Texas, Austin, 57-58; res. psychologist, Eglin Air Force Base, Fla., 58-60; acting head eng. psychol. lab., Johnsville Naval Air Develop. Center, Pa., 60-61; asst. instr. PSYCHOL., Douglass Col., Rutgers, 61-64; ASST. PROF., CHICO STATE COL., 64-. Nat. Sci. Found. fel., Rutgers, 63-64 & res. participation for col. teachers prog., Michigan, summer, 65; spec. leave for res. & creative activity, Chico State Col., 67; res. design consult, Nat. Inst. Health proj., Martinez Vet. Hosp., Calif., 67. Statist. consult, res. div., St. Louis County Health Dept., Mo., 63-66. U.S.N.R., 52-54. AAAS: Psychol. Asn; Psychonomic Soc. Development of statistical methods for assessing first-order sequential dependencies and the extension of these techniques to current problems in several areas of psychology. Publ: First-order response dependencies at a differential brightness threshold, 66 & Perceived variability, 67, *J. Exp. Psychol.*; Sequential dependencies and information capacity in random arrangement, *Proc. 74th Annual Convention, Am. Psychol. Asn.*, 66. Address: 1 Terrace Lane, Chico, Calif. 95926.

LATHROP, PROF. ROBERT L(EE), b. Richland Center, Wis., July 13, 31; m. 52; c. 2. EDUCATIONAL PSYCHOLOGY. B.S., Iowa State, 53, M.S., 54, Ph.D. (ed. psychol), 57. Counsr., student counseling bur., Iowa State, 56-57; asst. prof. & res. assoc. bur. instrnl. res., Minnesota, Minneapolis, 57-61, assoc. prof., 61-63; PA. STATE, 63-66, PROF. PSYCHOL., & ED., 66-. ASST. DEAN RESIDENT INSTR., 63- Psychol. Asn; Statist. Asn; Coun. Measurement in Ed. Education and psychology in areas of measurement, evaluation and psychometrics; theory of test reliability and validity. Address: 241 Chambers Bldg., Pennsylvania State University, University Park, Pa. 16802.

LATHROPE, PROF. DONALD E(DWIN), b. New York, N.Y., Feb. 14, 13; m. 41; c. 3. SOCIOLOGY, SOCIAL WORK. A.B., Wagner Col., 38; M.A., Brooklyn Col., 42; M.S., Columbia, 47; Ph.D. (sociol.), Pittsburgh, 55. Soc. investr., New York Dept. Welfare, 40-42; asst. prof. sociol. & soc. admin., Westminster Col. (Pa.), 47-50; sociol., Bowling Green State, 50-52; from supvr. to dir. div. children's serv., State Dept. Econ. Security, Ky., 52-56; assoc. prof. SOC. WORK, ILLINOIS, URBANA, 56-66, PROF., 67- Lectr., Louisville, 55; co-prin. investr., U.S. Dept. Health, Ed. & Welfare Admin. Res. Proj. Community Planning & Soc. Provisions for Aging, Community Coun. Champaign County & Univ. Illinois, 67-70. Soc. sci. consult, mobilization for youth, New York, 63-64; soc. serv. consult. to Surg. Gen., U.S. Army, 63- Mem. Hist. Soc. Welfare, 58- U.S.A., 42-46, Res., 46-, Lt. Col. Fel. Sociol. Asn; Coun. Soc. Work Ed; Nat. Coun. Crime & Delinquency; Nat. Asn. Soc. Workers. Sociology of social welfare; social planning, history, organization and administration of social welfare in the United States; social security; rehabilitation; crime and delinquency; child welfare; aging. Publ: Use of social science in social work practice: social systems, In: Trends in social work practice and knowledge, Nat. Asn. Soc. Workers, 66; Toward the elimination of poverty, *Pub. Welfare*, 7/66. Address: 12 Montclair Rd, Urbana, Ill. 61801.

LATIES, DR. VICTOR G(REGORY), Exp. Psychol., see 11th ed, Phys. & Biol. Vols.

LATIMER, DR. C(LINTON) N(ARATH), Neurophysiol., see 11th ed. Phys. & Biol. Vols.

LATIMER, PROF. JAMES, Psychol., see 10th ed, Soc. & Behav. Vols.

LATIMER, DR. JOSEPH M(ARION), b. Anderson, S.C., Oct. 26, 12; m. 39; c. 3. PSYCHOLOGY. B.A., Wofford Col., 31; M.S., Vanderbilt, 32; fel., George Peabody Col., 40-42; Ph.D. (psychol), Ohio State, 48. Teacher, high sch., S.C., 32-40; asst. psychol., Ohio State, 46-48; from asst. to assoc. prof., Oklahoma, 48-56; staff psychologist, Rohrer, Hibler & Replogle, 56-61; MGT. CONSULT, 61- Lectr., Civil Aeronaut. Authority, 52-55. Consult, State Personnel Bd., Okla., 50-56; Repub. Supply Co., 54-55. Chem. C., 42-46, Res. 34-42, 46-59, Lt. Col. Psychol. Asn. Management development and executive counseling; motivation; personality development. Address: 6827 Lorna Lane, Dallas, Tex. 75214.

LATIMER, MURRAY W(EBB), b. Clinton, Miss., Jan. 6, 01. ECONOMICS. A.B., Miss. Col., 19; M.B.A., Harvard, 24; Columbia, 26-28. Instr. finance & supvr. res., Harvard, 24-26; economist, Indust. Rel. Counsr., Inc., 26-33; consult. soc. ins., Fed. Coordinator Transportation, 33-34; chmn., U.S. R.R. Retirement Bd., 34-46; dir., President's Guaranteed Wage Study, 45-47; CONSULT, 47- Lectr., Pennsylvania, 36-37. Mem. tech. bd. & chmn. old age security cmt., President's Cmt. Econ. Security, 34-35; dir. bur. fed. old age ins., Soc. Security Bd., 36. Econ. Asn; Statist. Asn; Mgt. Asn. Social insurance; trade union pension systems in the United States and Canada; industrial pensions; health care plans for industrial employees. Publ: The relationship of employee hiring ages to the cost of pension plans, *Bur. Labor Statist.*, U.S. Dept. Labor, 7/65. Address: 1625 K St. N.W., Washington, D.C. 20006.

LATIMER, THOMAS HUGH, b. Memphis, Tenn., Oct. 30, 32; m. 57; c. 3. MARKETING, OPERATIONS RESEARCH. A.B., Chicago, 51; Miami (Fla.), 51-52; John Marshall Law Sch., 52-53; Northwestern, 53-56; Ill. Teachers Col., 65-66. Asst. comptroller, Aldens, Inc., 54-56; acct. supvr., K-E Box Mfg. Div., Weyerhaeuser Co., 56-60; payroll tax supvr., Dynallectron Corp., 62-63; acct. mgr., M. Loeb Corp., 63-65; mgt. prog. chmn., Automation Inst., 65-67; PROFIT PLANNING ADMINSTR., DATA PROD. DIV., STROMBERG-CARLSON CORP., 67- Managing partner, Latimer & Dirks, 54-; auditor, Lester Witte & Co., 57; researcher & speaker, Ill. Small Businessmen's Assn., 58-67; rate analyst, North. Ill. Gas Co., 60-62; asst. treas., Am. Fed. Small Bus., 63-; mgr., Automation Consults., 65-; acct. mgr., Cory Corp., 66-67. Mem. bd., Cmt. Pan Am. Policy, 64-65. Nat. Asn. Acct. (ed., Chicago Reporter, 65-67); Data Processing Mgt. Asn; Statist. Asn; Mkt. Asn; Am. Acct. Asn. Responsibility accounting and budgeting; profit planning with operational research techniques; programming statistical forecasting by use of integrated computer data. Publ: The total information system, On-Line, 66. Address: 5718 Stadium St, San Diego, Calif. 92122.

LATON, PROF. ANITA D, Sci. Ed., see 10th ed, Soc. & Behav. Vols. Latest known address: 558 Santa Clara Ave, Berkeley, Calif. 94707.

LATOUR, DR. CONRAD F, Mod. European Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LA TOURETTE, DR. JOHN E(RNEST), b. Perth Amboy, N.J., Nov. 5, 32; m. 57. ECONOMICS. B.A., Rutgers, 54, M.A., 55, Ph.D., 62. Asst. ECON., Rutgers, 58-60, instr., 60-61; STATE UNIV. N.Y. BINGHAMTON, 62-65, ASSOC. PROF., 65-, CHMN. DEPT., 67- Vis. prof., summer econ. inst., Univ. Colorado, 66; Brookings res. prof., Brookings Inst., 66-67. U.S.A.F., 55-58, Res., 58-, 1st Lt. Econ. Asn. Economic growth and fluctuations; income and employment theory. Publ: Technological change and equilibrium growth in the Harroo-Domar model, *Fasc. 2*, 64, Potential output and the capital-output ratio in the U.S. private business sector, 1909-1959, *Facs.* 2, 65 & Sources of variation in the capital-output ratio in the U.S. private business sector, 1909-1919, *Facs.* 4, 65, *Kyklos*. Address: Dept. of Economics, State University of New York at Binghamton, Binghamton, N.Y. 13901.

LATTIMORE, DR. OWEN, b. Washington, D.C., July 29, 00; m. 26; c. 1. GEOGRAPHY, HISTORY. Harvard, 28-29; Soc. Sci. Res. Coun. fel., Manchuria, 29-30; Harvard-Yenching Inst. fel., Peiping, 30-31; Guggenheim fel., Peiping & Inner Mongolia, 31-33; hon. D.Litt., Glasgow, 64. Ed. Pac. Affairs, Inst. Pac. Rels., 34-41; lectr. & dir., Walter Hines Page Sch. Int. Rels., Hopkins, 38-53, lectr. hist., 55-63; PROF. CHINESE STUDIES & DIR. HAYTER CENTRE CHINESE STUDIES, LEEDS, 63- Field worker, Inst. Pac. Rels., Mongolia, 34-36; Rosenfield lectr., Grinnell Col., 39; Harris lectr., Northwestern, 39; adv. to Gen. Chiang Kai-shek, China, 41-42; dir., Pac. Opers., Off. War Info., 43-44; U.S. Mission Japanese Reparations, 45; Wenner-Gren summer grant, Mongolia, 61. Am. Geog. Soc.; Philos. Soc.; fel. Royal Geog. Soc. (gold medal); Royal Cent. Asian Soc.; Royal Asiatic Soc. Geographical and social history, especially in Inner Asia. Publ: Inner Asian frontiers of China; Nomads and commissars; Studies in frontier history. Address: Hayter Centre of Chinese Studies, University of Leeds, Leeds 2, Eng.

LATTS, DR. SANDER M(ORRIS), b. Ashland, Wis., Apr. 2, 35; m. 61; c. 1. SOCIOLOGY, PSYCHOLOGY. B.A., Minnesota, 56, Ph.D. (sociol.), 66; M.A., Columbia, 59. Instr. MARRIAGE & FAMILY CHILD DEVELOP., MINNESOTA, MINNEAPOLIS, 62-66, ASST. PROF., 66- Proj. coordinator, St. Paul Neighborhood Youth Corps, 66-67; assoc. prof., St. Cloud State Col., 68- Nat. Coun. Family Rels; Sociol. Asn. Sibling interaction; parent-child relationship; why students take family life education courses. Publ: A teachers syllabus for functional courses in marriage and the family, Univ. Minnesota, 68; Co-auth, High school marriages in Minnesota, *J. Marriage & Family*, 5/65; auth, Why students take family life courses: implications for the educator, Family Life Coordinator, 4/68. Address: 106 Nicholson Hall, University of Minnesota, Minneapolis, Minn. 55455.

LATTURE, R(UPERT) N(ELSON), Polit. Sci., Sociol., see 10th ed, Soc. & Behav. Vols.

LATZ, DR. ARJE, b. Utena, Lithuania, July 1, 27; U.S. citizen; m. 60; c. 2. PSYCHOPHARMACOLOGY, CLINICAL PSYCHOLOGY. B.A., Maine, 58; M.A., Boston, 60, Ph.D. (clin. psychol.), 63. Res. assoc. pharmacol., SCH. MED. BOSTON, 65-67, ASST. PROF. PSYCHIAT., 67- Nat. Inst. Ment. Health fel., 63-65; res. fel., Med. Found., Inc., Mass., 65-67. Psychol. Asn. The modifica-

tion of behavior and the electrical activity of the central nervous system in animals under the effects of psychoactive drugs. Publ: Effects of CPZ and Seco under two conditions of reinforcement on the performance of schizophrenics, 65 & Swimming performance of mice as affected by antidepressant drugs and baseline levels, 66, Psychopharmacologia; Maze learning after the administration of antidepressant drugs, J. Pharmacol. & Exp. Theory, 67. Address: Dept. of Psychiatry, Boston University School of Medicine, 80 E. Concord St, Boston, Mass. 02118.

LAUBE, PROF. RICHARD HENRY, Kankakee, Ill, Apr. 25, 17; m. 41; c. 4. BUSINESS ADMINISTRATION. A.B. Valparaiso, 40; M.A. Minnesota, 53; Valparaiso Univ. & Martin Luther fels, Nebraska, 62, Ph.D.(finance), 66. Instr. sch. bus. Minnesota, 40-42, 45-46; assoc. prof. econ. & bus. admin. Gustavus Adolphus Col, 46-57; bus. & econ. VALPARAISO, 57-67, PROF. FINANCE, 67-, HEAD DEPT, 63- Cmnr, Accrediting Cmn. Bus. Schs, 68-70. U.S.N.R. 42-46, Lt.(jg). Econ. Asn; Am. Acct. Asn; Finance Asn. Finance; management; accounting. Address: College of Business Administration, Valparaiso University, Valparaiso, Ind. 46383.

LAUBER, PROF. GEORGE, JR, b. Philadelphia, Pa, May 1, 21. SOCIOLOGY. M.A. Chicago, 51; scholar. & dipl. Stockholm, 54; Heidelberg, 54-55; summers, Harvard, 56, Chicago, 58, Minnesota, 59; Nat. Sci. Found. grants, Colorado, 61 & Wisconsin, 63-65. ASSOC. PROF. SOCIOL. CENT. COL. (IOWA), 56- Polit. Sci. Asn; Sociol. Asn. Sociological theory; international relations; cultural anthropology. Address: 7006 Roosevelt Blvd, Philadelphia, Pa. 19149.

LAUBIS, DR. ROBERT EDWIN, b. Kenton, Ohio, Aug. 4, 26; m. 50; c. 3. AGRICULTURAL ECONOMICS. B.Sc. Ohio State, 49, Moses Scholar, 54, M.Sc. 56, Ph.D. 59. Voc. agr. instr. Hoaglin-Jackson Sch, Ohio, 49-50; assoc. county agent, Ohio Agr. Exten. Serv, Logan County, Ohio, 50-56; asst. instr. agr. econ. Ohio Agr. Exp. Sta, Columbus, 56-59, instr. 60; agr. econ. mist. agr. mkt. serv. U.S. DEPT. AGR, 60-61, econ. res. serv. grain sect, 61-66, AGR. ECON. ADV. U.S. AGENCY INT. DEVELOP. VIENTIANE, LAOS, 66- U.S.A.A.F. 45. Agr. Econ. Asn; Mkt. Asn. Marketing of grains and feeds; livestock; vegetables and agri-business. Publ: Practices followed by Ohio farm supply cooperative in extending open account credit to farmers; Financial structure of agricultural business organizations. Address: Agricultural Division, U.S. Agency for International Development, APO San Francisco 96352.

LAUDENSLAGER, CAPT. JOHN M(cKINNEY), U.S.N. b. Sunbury, Pa, Feb. 4, 20; m. 44; c. 2. PSYCHOLOGY. B.A. Bucknell, 41; M.S. Pa. State, 42. Asst. dir. personnel rels, Pa. State, 45-50; U.S. NAVY, 50-, sr. psychologist, Naval Training Center, Calif, 50-54, Wash, 54-56, ment. hyg. unit, Naval Academy, 56-63, CLIN. PSYCHOLOGIST, BUR. MED. & SURGERY, U.S. DEPT. NAVY, WASH, D.C, 63- Lectr, George Washington, 61- Psychol. Asn. Diagnostic testing and evaluation of personality structures; improvement of selection techniques; adjustment of environmental demands. Publ: Facts of life in the brigade of midshipmen; Psychology and the roles of naval psychologists; co-auth, Naval leadership. Address: Rt. 3 Box 82, Annapolis, Md. 21403.

LAUDICINA, DR. ROBERT, b. New Haven, Conn, Mar. 26, 41; m. 66. POLITICAL SCIENCE. B.A. Rutgers, 63, M.A. 65; Ph.D.(polit. sci), Columbia, 68. Residence counsr, Rutgers, 65-68, asst. to dean, Livingston Col, 67-68; ASST. DEAN, COLUMBIA COL, 68- Instr. Newark State Col, 67-68. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Regulatory politics; judicial process; public administration. Publ: Banking and regulatory politics, Banking, 5/68. Address: 182 High St, Metuchen, N.J. 08840.

LAUER, DR. DONALD KENNETH, b. Hackensack, N.J, May 18, 33. PSYCHOLOGY. A.B. Muhlenberg Col, 55; M.A. Lehigh, 57; Ph.D.(psychol), Pennsylvania, 61. Instr. PSYCHOL, Muhlenberg Col, 60-61, asst. prof, 61-65; ASSOC. PROF. KUTZTOWN STATE COL, 65- Consult. sch. nursing, St. Luke's Hosp, Bethlehem, Pa, 61-63; Family Guid. Center, Reading, 67- Psychol. Asn. Conformity and influence processes; psycholinguistics. Address: Dept. of Psychology, Kutztown State College, Kutztown, Pa. 19530.

LAUER, DR. DONALD W(ALKER), b. Winchester, Mass, Jan. 19, 19; m. 40; c. 3. PSYCHOLOGY. A.B. Michigan, 39, A.M. 48, Ph.D.(psychol), 51. Asst. prof. PSYCHOL, INDIANA, 51-59, ASSOC. PROF, 59- Psychol. Asn. Experimental psychology. Publ: Chronic preparation for salivary conditioning, Bull. de l'Academie Polonaise des Sci; co-auth, Successive acquisitions and extinctions of a jumping habit in relation to schedule of reinforcement, J. Comp. & Physiol. Psychol. and some investigations of classical salivary conditioning in the dog, In: Classical conditioning, Appleton, 65. Address: Dept. of Psychology, Indiana University, Bloomington, Ind. 47401.

LAUFER, PROF. ARTHUR C(ARROLL), b. Baltimore, Md, Aug. 31, 21; m. 43. BUSINESS ADMINISTRATION. B.S. California, Los Angeles, 47, M.B.A. 50, Ford Found. summer fels, 59-60, Ph.D.(bus), 66. Instr. indust. mgt, Miami (Ohio), 51-52; prod. planner, govt. prod. div. Packard Bell Electronics Corp, 52-54; supvr. invent. & prod. control, comput. div. Bendix Aviation Corp, 54-55; instr. bus. E.Los Angeles Jr. Col, 55-57; asst. prof. MGT, CALIF. STATE COL. LONG BEACH, 57-60, assoc. prof, 60-65, PROF, 65-, CHMN. DEPT, 63- Consult. Voc. Rehab. Admin. grant, California, Los Angeles, 66. U.S.A.A.F. 43-45, 2nd Lt. Econ. Asn; Acad. Mgt. Production and personnel management; control of inventory of production firms; neuromuscular and physiological responses in aging individuals and their use as performance indicators for employment purposes. Publ: Co-auth, Neuromuscular response tests as predictors of sensory motor performance in aging individuals, Am. J. Phys. Med.(in press). Address: Dept. of Management, California State College at Long Beach, Long Beach, Calif. 90801.

LAUFER, DR. MAURICE W(ALTER), b. Brooklyn, N.Y, May 2, 14; m. 41; c. 4. PSYCHIATRY. B.A. Wisconsin, 33; M.D. L.I. Col. Med, 39. Djr. & psychiatrist-in-chief, Emma Pendleton Bradley Hosp, Riverside, R.I. 48; MEM. INST. HEALTH SCI, BROWN, 58-; ADJ. PROF. MENT. HEALTH, R.I. COL, 58- Consult. Butler, Miriam, Roger Williams Gen. & St. Joseph's Hosps. Med.C, 44-46, Capt. Dipl. Am. Bd. Pediat, 44; Am. Bd. Psychiat. &

Neurol, 57. Fel. AAAS; Psychiat. Asn; fel. Orthopsychiat. Asn; fel. Acad. Child Psychiat; fel. Acad. Pediat; Royal Soc. Health. Child psychiatry; fusion of organic and psychological components; electroencephalography. Publ: Organic brain disorders, In: Textbook of comprehensive psychiat, Williams & Wilkins, 67; Childhood schizophrenia, In: The schizophrenic syndromes, Grune, 68. Address: 1011 Veterans Memorial Pkwy, Riverside, R.I. 02915.

LAUGHERY, DR. KENNETH R(ONALD), b. Rowes Run, Pa, Oct. 3, 35; m. 53; c. 3. PSYCHOLOGY. B.S. Carnegie Inst. Tech, 57, M.S. 59, Ph.D. 61. Metall. engr, U.S. Steel Corp, 55-57; asst. Carnegie Inst. Tech, 57-60, 61; mem. res. staff, Mass. Inst. Tech, 60-61; Int. Bus. Mach. Corp, 61-62; human eng. lab, U.S. Army Ord, 62-63; asst. prof. psychol. & indust. eng, STATE UNIV. N.Y. BUFFALO, 63-66, ASSOC. PROF. PSYCHOL. & INDUST. ENG, 66-, CHMN. DEPT. INDUST. ENG, 67- Consult, Cornell Aeronaut. Lab, Inc, 63- Psychol. Asn; Asn. Computing Mach; Human Factors Soc; Soc. Eng. Ed. Human memory; computer simulation; automobile driver performance. Publ: The human factors laboratory in industrial engineering, J. Eng. Psychol, 65; co-auth, A computer simulation model of driver-vehicle performance at intersections, Proc. Asn. Computing Mach. Conf, 67 & Recoding and presentation rate in short-term memory, J. Exp. Psychol, 68. Address: Dept. of Psychology, State University of New York at Buffalo, Buffalo, N.Y. 14214.

LAUGHLIN, DR. PATRICK R(AY), b. Minneapolis, Minn, May 25, 34; m. 66; c. 1. PSYCHOLOGY. A.B. St. Louis, 59, M.A. 61; Nat. Sci. Found. fel, Northwestern, 61-64, Ph.D.(psychol), 64. ASST. PROF. PSYCHOL, LOYOLA (ILL), 65- Nat. Sci. Found. res. grants, 66-68; U.S. Off. Ed. res. grant, 67-68. AAAS; Psychol. Asn; Soc. Psychol. Study Social Issues. Human conceptual behavior; incidental learning; attitude organization and change; individual versus group problem solving. Publ: Creativity, intelligence, and incidental concept formation, J. Personality & Soc. Psychol, 67; Focusing strategy for eight concept rules, 68 & Conditional concept attainment as a function of if factor complexity and then factor complexity, 68, J. Exp. Psychol. Address: Dept. of Psychology, Loyola University, Chicago, Ill. 60626.

LAUGHLIN, DR. ROBERT MOODY, b. Princeton, N.J, May 29, 34; m. 60; c. 2. ANTHROPOLOGY. A.B. Princeton, 56; M.A. Harvard, 59, Ph.D.(anthrop), 63. ASSOC. CURATOR ANTHROP, SMITHSONIAN INST, 62- Smithsonian res. awards, 66-68. Anthropol. Asn. Oral literature and language as well as ethnography of Tzotzil-speaking peoples of Chiapas, Mexico. Address: Office of Anthropology, Smithsonian Institution, Washington, D.C. 20560.

LAUGHLIN, PROF. W(ILLIAM) S(CEVA), Phys. Anthropol, see 11th ed, Phys. & Biol. Vols.

LAULICHT, DR. JEROME H(ERMAN), b. New York, N.Y, Aug. 12, 26; m. 49; c. 3. SOCIOLOGY. B.S.S.S. City Col. New York, 49; Ph.D.(sociol), Kentucky, 54. Assoc. prof. sociol, Morris Harvey Col, 54-56; res. sociologist, Rip Van Winkle Feda, 56-59; dir. res, Berkshire Farm for Boys, 59-62; proj. dir, Can. Peace Res. Inst, 62-66; ASSOC. PROF. SOCIOL. & DIR. RES. OFF. SOCIOL, PITTSBURGH, 67- Lectr, Massachusetts, 61-62; McMaster, 63-64; summers, vis. prof, Alberta, 65 & vis. lectr, British Columbia, 66. U.S.N., 44-46. AAAS; Sociol. Asn; Soc. Study Social Probs; Polit. Sci. Asn. Role behavior and values; social psychology; international tensions and disarmament; social conflict. Publ: The causes and correlates of foreign policy beliefs, 68; Application of role and learning theories to the study of the development of aggression in children, Psychol. Reports; The Vietnam peace game: computers and simulation, computers and automation. Address: Dept. of Sociology, University of Pittsburgh, Pittsburgh, Pa. 15213.

LAUMANN, DR. EDWARD O, b. Youngstown, Ohio, Aug. 31, 38; m. 64; c. 2. SOCIOLOGY. A.B. Oberlin Col, 60; Woodrow Wilson fel, Harvard, 60, Grad. Nat. fel, 60-64, A.M. 62, Samuel Stouffer fel, 63-64, Ph.D.(sociol), 64. Summer anal. statistician, U.S. Bur. Census, 60-61; res. asst. SOCIOL, Harvard, 64; ASST. PROF. MICHIGAN, 64- Prin. investr, Detroit Areas Study, Michigan, 65-66; H.H. Rackham Grad. Sch. res. grant, 65-67 & summer. res. fel, 67; Nat. Inst. Ment. Health res. grant, 67-68; Nat. Sci. Found. res. grant, 68-69. Res. consult, Am. Acad. Arts & Sci-NASA Study Impact Space Tech, 63-64. AAAS; Sociol. Asn. Social stratification, especially urban; complex organization; survey research methodology; sociology of occupations and professions. Publ: Prestige and association in an urban community, Bobbs, 66; co-auth, Relative associational contiguity of occupations in an urban setting, 66 & Social distance: a network approach, 67, Am. Sociol. Rev. Address: Dept. of Sociology, University of Michigan, 5601 Haven Hall, Ann Arbor, Mich. 48104.

LAUNER, PHIL T, Indust. Psychol, see 10th ed, Soc. & Behav. Vols.

LAUNSTEIN, PROF. HOWARD C(LEVELAND), b. Flushing, Mich, Oct. 15, 22; m. 43; c. 2. ACCOUNTING, FINANCE. B.A. Mich. State, 47, M.A. 48; Ph.D. (ins), Ohio State, 56. Asst. Mich. State, 47-48, instr. 48-56; asst. prof, Iowa, 58-59; assoc. prof, MARQUETTE, 58-64; PROF. ACCT. & FINANCE, 64- chmn. dept. finance, 59-65, chmn. dept. acct. & finance, 65-67. Griffin Found. award, Ohio State, 62-63. Consult. ins. prog, Marquette, 58-; Dretzka Dept. Store, 65-66. Auditor, Red Cedar Coop. Asn, 52-56. Marquette Univ. Col. Bus. Teachers award, 64. U.S.A.A.F. 42-45, S/Sgt. Am. Acct. Asn; Finance. Asn. Insurance; economics. Publ: Managerial accounting tools for casualty insurance companies, 58 & Agent's responsibility for developing sound insurance programs, 59, J. Ins; Break-even allowable analysis, Marquette Bus. Rev, 63. Address: Dept. of Accounting & Finance, Marquette University, 606 N. 13th St, Milwaukee, Wis. 53233.

LAURANT, HENRY W(ARNER), b. Konigsberg, May 28, 24; nat; m. 66. ECONOMICS. B.Sc. London, 49; M.S. Columbia, 55. Econ. analyst, Texaco, Inc, 55-58; ECONOMIST, STANFORD RES. INST, 58- Sr. adv. econ. develop. Off. President Argentina, 60-62; coordinator & acting dir, Chile-California Prog. Tech. Coop. & adv. Budget & Planning Bur, Govt. Chile, 64-65. U.S.A.A.F. 45. Econ. Asn; Soc. Int. Develop. Energy industries; economic development and policy; international economics. Publ: Criterios economicos y el desarrollo industrial en la Republica Argentina, Cafade, Buenos

- Aires, 61; Factors affecting foreign investment in Argentina, Stanford Res. Inst, 63; Analisis de un proyecto específico de planeamiento regional, In: Principios y técnicas del planeamiento regional, Chilean Planning & Develop. Assn, Santiago, 64. Address: Stanford Research Institute, Menlo Park, Calif. 94025.
- LAURENT, PROF. ANDRE G (ILBERT LOUIS), Math. Statist, see 11th ed, Phys. & Biol. Vols.
- LAURENT, PROF. CHARLES KENNETH, b. Bartow, Fla, Sept. 23, 22; m. 44; c. 3. AGRICULTURAL ECONOMICS. B.S. Florida, 49; M.S. Cornell, 50, Ph.D. 52. Exten. poultryman, Maryland, 52; coop. agent, U.S. Dept. Agr. Ala. Polytech, 52-54, assoc. prof. agr. econ, 54-55; chmn. poultry div, Georgia, 55-57; gen. mgr, Marbut Milling Co, Inc, 57-59, pres, 59-64; dir. res, Latin Am. Mkt. Inst, Bogota, Colombia, 64-67; PROF. AGR. ECON, MICH. STATE CONSORTIUM STUDY NIGERIAN RURAL DEVELOP, LAGOS, NIGERIA, 67-U.S.A.A.F. 42-45, Res, 45-, Maj. Poultry Sci. Assn; Agr. Econ. Assn. Agricultural marketing. Address: Box 430, Bartow, Fla. 33830.
- LAURENT, DR. HARRY, b. Lansing, Ohio, June 10, 18; m. 43; c. 1. PSYCHOLOGY. B.A. Muskingum Col, 40; M.A. Pennsylvania, 42; Ph.D. Western Reserve, 51. Employ. interviewer, U.S. Employ. Serv, Ohio, 42, employ. counsr, 46; counseling supvr, personnel res. inst, Western Reserve, 46-50, asst. dir. personnel res. inst, 50-51, lectr, univ, 47-51; supvr. indust. psychol, Arabian Am. Oil Co, 52-58, coordinator indust. rel. planning, 58-59; soc. sci. res. adv, indust. psychol, STANDARD OIL CO.(N.J.), 59-65, employee rels. adv, Esso Metrop. Serv. Corp, 65-66; PERSONNEL DEVELOP. ADV. ESSO EUROPE INC, LONDON, ENG, 66- U.S.A.A.F. 42-46, 1st Lt. Psychol. Assn; Soc. Psychol. Study Soc. Issues; Int. Assn. Appl. Psychol; Int. Coun. Psychol. Criterion analysis; identification of employees with potential for management positions; attitudes; motivation; problems of acculturation; personnel and management development. Publ: Early identification of management potential; Much about management, Contemporary Psychol; Psychological motives for union membership, Indust. Rel. Mag. Address: Employee Relations Dept, Esso Europe Inc, 50 Stratton St, London W1, Eng.
- LAURIAT, PATIENCE, b. Boston, Mass, Apr. 29, 28. DEMOGRAPHY, SOCIOLOGY. B.A. Antioch Col, 51; M.A., American Univ, 59. Statistician, U.S. Bur. Census, D.C, 51-52; indust. rels. analyst, U.S. Dept. Labor, 52; res. asst, Pop. Reference Bur, 52-55; family analyst, pop. div, U.S. Bur. Census, 56-59, staff asst, demog. ops. div, 59-63, demog. adv. govt. Thailand, Bangkok, 63-66 & 67, adv. census of Malawi, Zomba, 66; CHIEF MARRIAGE & DIVORCE STATIST. BR. DIV. VITAL STATIST. NAT. CENTER HEALTH STATIST. DEPT. HEALTH, ED. & WELFARE, 67- Pop. Assn. Am; Statist. Assn; Nat. Coun. Family Rels. Family, marriage, divorce and fertility statistics and their analysis. Publ: Co-auth, Age at first marriage and ultimate educational attainment, Pop. Studies, 55; auth, Field experience in estimating population growth, Demography, 68. Address: Marriage & Divorce Statistics Branch, South Bldg, Room 3229, Dept. Health, Education & Welfare, Washington, D.C. 20201.
- LAURIER, BRO. BLAISE V (IGER), C.S.V, b. Lachenaie, Que, Jan. 7, 10. PSYCHOLOGY. B.A. Saint-Viateur Nor. Sch, 39; B.Pd, Montreal, 39; M.A., Catholic Univ, 42, Ph.D.(psychol), 48. Instr. Eng. Bourget Col, 36-37; prof. math. & hist, Saint-Viateur Nor. Sch, 37-39; teacher, high sch, 39-40; PROF. psychol, MONTREAL, 44-48, ED. RES, 46- Lectr, Slater Shoe Co, 44-45, Consult, Clerics Saint-Viateur, 48-, dir. studies, 52- Dipl. Am. Bd. Exam. Prfnl. Psychol. Am. Psychol. Assn; Personnel & Guid. Assn; Can. Psychol. Assn. Development of tools for better selection of personnel; factorial analysis of character traits and aptitudes of the successful teacher; methods in character formation of the adolescent boy. Address: 1145 W. Rue Saint-Viateur, Montreal 8, Que, Can.
- LAURO, DR. LOUIS, b. New York, N.Y., Aug. 5, 28; m. 54; c. 1. PSYCHOLOGY. B.S. City Col. New York, 48, M.A., 49; Ph.D. N.Y. Univ, 62. Lectr. psychol, City Col. New York, 61-63; clin. coordinator, Lincoln Inst. Psychother, 63-67; DIR. NEW YORK CITY PROJ. HEAD-START, 68- Consult. psychologist, Youth Consult. Serv, Newark, N.Y., 58-63; Childvile, Brooklyn, 61-67. Psychol. Assn. Clinical and developmental psychology; psychotherapy; psychoanalysis. Publ: Academic achievements of veterans and non-veterans at the City College, J. Ed. Psychol. Address: 210 W. 90th St, New York, N.Y. 10024.
- LAUTERBACH, DR. ALBERT, b. Austria, June 24, 04. ECONOMICS. Dipl. Realgymnasium, Vienna, 22; Acad. Commerce, 23; Dr. rer. pol, Vienna, 25. Mem. staff, Escompte-Gesellschaft, Vienna, Austria, 26-29; lectr. econ. & int. rels, Exten. Cols, 27-34; Cent-European correspondent, Financial News & Reynolds News, London, 36-38, feature writer, 38-39; res. assoc, inst. soc. res, Columbia, 39-40; res. mem, Inst. Adv. Study, 40-41; asst. prof. econ, Denver, 41-42; MEM. FACULTY, SARAH LAWRENCE COL, 43-, chmn. div. soc. sci, 46-48, 56-57, 60-61, 66-67. Transl. Int. Labor Off, League of Nations, 37-38; res. grant, Carnegie Corp, mem. faculty, Brooklyn Col, 40, grad. faculty, 46; res, Carnegie Endowment Int. Peace, 43-45; vis. assoc. prof, N.Y. Univ, 47; mem. staff, relief & ed. missions, France, Italy & Austria, 47-48; res. fel. surv. res. center, Michigan, 51-52; res. grant, Soc. Sci. Res. Coun, 54, 59-60; vis. prof, Chile, 56, 59-60; res. assoc, Brookings Inst, 55-62, res. prof, 62-63; contract res. work, Orgn. Am. State, 63-65; supvr. metrop. grad. summer field-training prog, Colombia, 65; exchange prof, Rutgers, Bolivia, 65; vis. prof, Wisconsin, 66. Chmn. Int. Conf. Assn. Comp. Econ, Italy, 67. Econ. Assn; Soc. Int. Develop; Latin Am. Studies Assn; Assn. Comp. Econ.(v.pres, 66). Comparative economic systems; psychological aspects of economics; economic and social aspects of underdeveloped areas, especially Latin America. Publ: Man, motives, and money; Economic security and individual freedom; Enterprise in Latin America, Cornell, 66. Address: Social Science Faculty, Sarah Lawrence College, Bronxville, N.Y. 10708.
- LAUTERBACH, MAJ. CARL G (ERSHOM), U.S.A. b. Sac City, Iowa, Dec. 22, 24; m. 47; c. 3. PSYCHOLOGY. B.A. Iowa, 49, Ph.D. 52. MED. SERV. C, U.S. ARMY, 43-44, 50-, intern, Army sr. psychol. training prog, Fitz-

simons Army Hosp, Denver, Colo, 50-51, clin. psychologist, ment. hyg. clins, Ft. Jackson, S.C. & Ft. Benning, Ga, 52-59, chief clin. psychol. serv, Walter Reed Gen. Hosp, D.C. 59-63, res. psychologist, U.S. Mil. Acad, 63-67; CHIEF CLIN. PSYCHOL. SERV, WALTER REED GEN. HOSP, D.C. 67- Prin. investr, Off. Surgeon Gen, U.S. Army, 60-63. Dipl. Am. Bd. Exam. Prfnl. Psychol, 58. Psychol. Assn. Parent-child relationships; personality assessment; educational environments. Publ: The Taylor A scale and clinical measures of anxiety, J. Consult. Psychol; co-auth, Memories of parents' behavior and psychodiagnosis in psychiatrically disturbed soldiers, In: Perspectives in psychopathology, Oxford Univ, 66 & Need-press and expectation-press indices as predictors of college achievement, Ed. & Psychol. Measurement, 66. Address: 2008 Luzerne Ave, Silver Spring, Md. 20910.

LAUVER, DR. PHILIP JUSTIN, b. Hillsborough Co, Fla, Aug. 13, 33; m. 53; c. 3. EDUCATION, COUNSELING. B.A., Goshen Col, 55; M.Ed., Miami (Ohio), 62; fel, Ohio, 63-65, Ph.D.(counseling & guid), 66. Teacher, pub. schs, Ohio, 57-63, counsr, high sch, 65-66; ASST. PROF. ED, INDIANA, 66- Consult, S.Cent. Ed. Serv. Unit, Ind, 67- Personnel & Guid. Assn; Nat. Voc. Guid. Assn; Assn. for Counsr. Ed. & Supv. Modification of counseling behavior of counselors in training; acquisition and change of vocational values in adolescence. Address: Dept. of Counseling & Guidance, School of Education, Indiana University, Bloomington, Ind. 47401.

LAVALLE, DR. IRVING H (OWARD), b. Hancock, N.Y., Apr. 24, 39; m. 65. MANAGEMENT SCIENCE, OPERATIONS RESEARCH. B.A., Trinity Col. (Conn), 60; M.B.A., Harvard, 63, D.B.A., 66. Asst. prof. MGT. SCI, TULANE, 65-68, ASSOC. PROF, 68- Consult. Bayesian decision theory to Prof. William Fellner, 63; strategic intel. to Brig. Gen. Washington Platt, 64; Chrysler Space Div, 65-66. Math. Soc; Inst. Mgt. Sci; Statist. Assn; Inst. Math. Statist; Soc. Indust. & Appl. Math. Mathematics; information evaluation in statistical decision theory and game theory; Bayesian strategy selection in game theory; smoothing operators on lattices which generalize conditional expectation. Publ: A Bayesian approach to an individual player's selection of bid in competitive sealed auctions, Mgt. Sci, 3/67; On cash equivalents and information evaluation in decisions under uncertainty, I-III, J. Am. Statist. Assn, 3/68; co-auth, On the economics of acquiring information of imperfect reliability, Acct. Rev, 4/68. Address: Dept. of Management Science, Tulane University Graduate School of Business Administration, New Orleans, La. 70118.

LaVALLE, DR. PLACIDO DOMINICK, Geomorphol, see 11th ed, Suppl. IV to Phys. & Biol. Vols.

LAVATELLI, PROF. CELIA B (URNS), b. Naugatuck, Conn, May 18, 11; m. 41, 67; c. 1. CHILD DEVELOPMENT, EDUCATIONAL PSYCHOLOGY. B.S., Columbia, 37, M.A., 40, Ph.D.(child develop), 47. Instr. ed, State Univ. N.Y. Col. Ed.(Fredonia), 40-44; teachers col, Columbia, 44-46; from asst. prof. to PROF. CHILD DEVELOP. & ED, ILLINOIS, URBANA, 46-, ASSOC. DIR, NAT. LAB. EARLY CHILDHOOD ED, 67- AAAS; Nat. Sci. Teachers Assn; Psychol. Assn; Soc. Res. Child Develop. Effects of early experiences of children upon later development; children's development of notions of mathematics and science. Publ: Child behavior and development; Critical periods in socialization and later personality development; Cognitive development in children and readiness for high school physics. Address: College of Education, University of Illinois, Urbana, Ill. 61821.

LAVE, DR. LESTER B (ERNARD), b. Philadelphia, Pa, Aug. 5, 39; m. 65. ECONOMICS. B.A., Reed Col, 60; fel, Mass. Inst. Tech, 60-61; Ph.D.(econ), Harvard, 63. Asst. prof, CARNEGIE-MELLON UNIV, 63-67, ASSOC. PROF, 68- U.S. Pub. Health Serv. res. grants, 63 & 68-71; vis. asst. prof, Northwestern, 65-66; Resources for Future res. grant, 67-68; Nat. Safety Coun. res. grant, 67-68. Consult, Rand Corp, 60-; Sys. Anal. & Res. Corp, 61-62; President's Appalachian Study Cmn, 64-65; economet. res. center, Northwestern, 65-; U.S. Dept. Defense, 66- Econ. Assn; Statist. Assn; Economet. Soc; Econ. Hist. Assn. Benefit-cost analysis; estimation of production and cost functions; bargaining theory; measurement of technological change; transportation economics; measuring the benefit from abating air pollution; value of auto safety features. Publ: Technological change; its conception and measurement, Prentice-Hall, 66; Value of weather information to the raisin industry, Econometrica, 63; co-auth, Tolls, congestion, and the economic capacity of a waterway, J. Polit. Econ, 68. Address: Dept. of Economics, Carnegie-Mellon University, Pittsburgh, Pa. 15213.

LAVE, ROY E (LLIS), JR, Indust. Eng, Ops. Res, see 11th ed, Phys. & Biol. Vols.

LAVELL, CARR B (ARTLESON), b. Cedar Rapids, Iowa, Sept. 20, 06. SOCIOLOGY. B.S., Coe Col, 27, California, Los Angeles, 38; A.M., Iowa, 40. Teacher, pub. schs, Iowa, 27-47; from asst. prof. to assoc. prof. sociol, George Washington, 47-60, asst. dean, jr. col, 47-58; training officer & supvr. orientation, FOR. SERV. INST. U.S. DEPT. STATE, 60-62, cultural affairs officer, Bombay, 62-64, TRAINING OFFICER, 64- Instr. U.S. Army Air Force Unit, Coe Col, 43-44; asst, Iowa, 58-60. Consult, chem. corps, U.S. Dept. Army, 54-58; U.S. Dept. Air Force, 54-58. Sociol. Assn. Industrial sociology; social movements and institutions; marriage and family. Address: Foreign Service Institute, U.S. Dept. of State, Washington, D.C. 20520.

LAVENDER, H. JERRY, JR, b. Cincinnati, Ohio, Oct. 8, 26; m. 50; c. 4. ENGINEERING PSYCHOLOGY. B.A., Cincinnati, 50; M.S., Ohio, 51. Specialist, Indust. Manpower Dept, Wright-Patterson Air Force Base, 51-52; asst. to dir, employee rel, Aro, Inc, 52-54; personnel mgr, Strain Feed & Coal Co, 54-55; consult, W.G. Seinsheimer & Assoc, 55-56; psychologist, Consol. Personnel Serv. Corp, 56-58; chief human eng, Avco Corp, 58-66; MGR. HUMAN FACTORS, ELECTRONICS DIV, GEN. DYNAMICS CORP, 66- U.S.A., 44-48, Sgt. Psychol. Assn; Soc. Eng. Psychol; Human Factors Soc. Human engineering design and procedural problems; system requirements; design and procedures; test, personnel and training requirements; human error analysis. Publ: Relationship of human engineering to industrial engineering concepts, J. Indust. Eng, 2/61; The human factor in industrial testing,

- Mat. Res. & Standards, 9/67; co-auth, Reaction of adult sharks to a recovery flotation bag, Underseas Tech, 2/68. Address: 20 Cross Ridge Rd, Pittsford, N.Y. 14534.
- LAVERY, DR. JOSEPH JOHN**, b. St. Boniface, Man, Mar. 15, 33; m. 61; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A., Manitoba, 53; Ph.D.(psychol), Montreal, 61. Lectr. motivation, Montreal, 57-59; scientist, Defence Res. Bd, Can, 59-66; ASSOC. PROF. PSYCHOL, LOYOLA COL.(QUE), 66- AAAS; Am. Psychol. Assn; Can. Psychol. Assn. Skills learning; motivation; effect of feedback on skills acquisition and retention; effect of sensory stimulation on arousal. Publ: Retention of skills and knowledge of results, Can. J. Psychol, 16: 300-311; co-auth, Altruism or arousal in the rat, Science, 140: 172-173; auth, One trial delay in skill acquisition, Am. J. Psychol, 77: 437-443. Address: Dept. of Psychology, Loyola College, 7141 Sherbrooke St. W, Montreal 28, Que, Can.
- LAVES, PROF. WALTER H(ERMAN) C(ARL)**, b. Chicago, Ill, May 11, 02; m. 28; c. 2. POLITICAL SCIENCE. Ph.B, Chicago, 23, Ph.D, 27; Berlin, 25-26; LL.D, Washington & Jefferson Col, 66. Assoc. prof. polit. sci, Hamilton Col, 27-36; Sherman prof, 36-38, head dept, 29-36; lectr, Chicago, 37-38, assoc. prof. polit. sci. & chmn. soc. sci, col, 38-46; lectr. int. affairs, sch. adv. int. studies, Hopkins, 46-47; dep. dir. gen, UNESCO, 47-50, chmn, U.S. Nat. Cmn, 52-53; vis. prof, Michigan, 51; PROF. GOVT, INDIANA, 54-, chmn. dept, 54-66. Dir, Inter-Am. Activities Div, Off. Coordinator Inter-Am. Affairs, 41-42; chief, prof. serv. div, Off. Civilian Defense, 42-43; mem. spec. mission, U.S. Secy. State, 45; lectr, American Univ, 45. Adv. Exec. Off. President, U.S. Bur. Budget, 43-47; U.S. del, Int. Labor Orgn. Conf, San Francisco, 45; UN Assembly, 46; Econ. & Soc. Coun, 46; UNESCO Conf, 46; consult, U.S. Dept. State, 51-52, 61-62; Econ. Coop. Admin. & Mutual Security Admin, 51-52; UN Tech. Assistance Bd, 52; U.S. Adv. Cmn. Ed. Exchanges, 61-62; U.S. Cmnr. Ed, 62; UN, 67; UNESCO, 67, mem. U.S. Nat. Cmn, U.S. Dept. State, 64-, U.S. del, gen. conf, 64. Secy. gen, UN Tech. Assistance Admin-Econ. Cmn. Asia & Far East Conf, Rangoon, 53-54; v. chmn. bd. dir, Am. Coun. Learned Soc, 54-55, mem, 55-62. Commander Order of the Crown, Thailand, 64. Polit. Sci. Assn.(v.pres, 58-59); Int. Studies Assn. International organization and administration; technical assistance administration; international cultural relations and United States foreign policy. Publ: Inter-American solidarity; co-auth, UNESCO: purpose, progress, prospects, 57 & Cultural relations and United States foreign policy, 63, Indiana Univ. Address: 701 Ballantine Rd, Bloomington, Ind. 47401.
- LAVIN, DR. DAVID E(DWIN)**, b. New York, N.Y., Sept. 28, 31; m. 58; c. 3. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A, Colby Col, 53; M.A., N.Y. Univ, 55, Ph.D.(sociol), 60. Res. assoc. sociol. & soc. psychol, Russell Sage Found, 56-59; res. fel. soc. rels, Harvard, 60-62; asst. prof. SOCIOL, PENNSYLVANIA, 62-67, ASSOC. PROF, 68- AAAS; fel. Sociol. Assn; Psychol. Assn. Social structure and personality; social psychology; sociology of education. Publ: Personality and decision processes; studies in the social psychology of thinking; The prediction of academic performance, Russell Sage, 65. Address: Dept. of Sociology, University of Pennsylvania, Philadelphia, Pa. 19104.
- LaVIOLETTE, PROF. FORREST E**, b. Devils Lake, N.Dak. Jan. 9, 04. SOCIAL PSYCHOLOGY. A.B, Reed Col, 33; A.M, Chicago, 34, Ph.D. 39. Instr, Washington (Seattle), 36-40; from asst. prof. to prof. SOCIOL, McGill, 40-49; PROF, TULANE, 49-, DIR. URBAN STUDIES, 67- Sociol. Assn. Ethnic groups in New Orleans; urbanization in the Cauca Valley of Colombia. Publ: Americans of Japanese ancestry; Canadian Japanese and World War II; Struggle for survival. Address: Dept. of Sociology, Tulane University, New Orleans, La. 70118.
- LAW, DR. ALTON DENNIS**, b. Prunty, W.Va., Jan. 1, 34; m. 60; c. 2. ECONOMIC. B.S, West Virginia, 56, M.S, 65; Ph.D.(econ), Rutgers, 68. Teacher, pub. sch, Md, 59-63; teaching asst. ECON, Rutgers, 64-66, researcher, bur. econ. res, 65; ASST. PROF, WEST. MD. COL, 66- U.S.A. 56-58. Econ. Assn. International trade and commodity agreements; international economics; economic development. Publ: Types, quantities and destinations of West Virginia's manufactured exports, Bur. Bus. Res, West Virginia Univ, 65; co-auth, Poverty in Burlington County, N.J. Off. Econ. Opportunity & Bur. Econ. Res, Rutgers, 65. Address: Dept. of Economics, Western Maryland College, Westminster, Md. 21157.
- LAW, PROF. HARRY L(AVEGIA)**, b. Westmoreland, Tenn, June 6, 97; m. 17; c. 2. GEOGRAPHY, GEOLOGY. B.S, Tenn. State Teachers Col.(Murfreesboro), 27; M.A, George Peabody Col, 30. Prin. high sch, 28-37; prof. GEOG. & GEOL, AUSTIN PEAY STATE, 37-67, EMER. PROF, 67- Assn. Am. Geog. Nat. Coun. Geog. Ed. State and economic geography. Publ: Tennessee geography; Brief geography of Tennessee. Address: 912 Richardson St, Clarksville, Tenn. 37040.
- LAW, DR. HOWARD W**, Ling, Anthropol, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- LAW, PROF. JERRY M(HUGH)**, b. Zachary, La, Aug. 23, 20; m. 53; c. 3. AGRICULTURAL ECONOMICS. B.S, La. State, 42, M.S, 48; Ph.D, Minnesota, 59. Asst. agr. econ, La. State, 46-48, res. assoc, 48-49; agr. economist, U.S. Dept. Agr. & Univ. Arkansas, 49-50, asst. prof. AGR. ECON, Univ, 50-51; asst, Minnesota, 51-54; asst. prof, LA. STATE, 54-60, assoc. prof, 60-65, PROF, 65- Vis. prof, Hokkaido, summer 60. U.S.C.G, 42-45. Agr. Econ. Assn. Agricultural marketing; economic theory. Address: Dept. of Agricultural Economics, Louisiana State University, Baton Rouge, La. 70803.
- LAW, J(OSEPH) T**, Polit. Sci, see 10th ed, Soc. & Behav. Vols.
- LAW, DR. O. T(HOMAS)**, Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.
- LAW, ROBERT OAKLEY**, Bus. Econ, see 10th ed, Soc. & Behav. Vols.
- LAWLER, DR. EDWARD EMMET, III**, b. Washington, D.C., June 16, 38; m. 60; c. 3. PSYCHOLOGY. B.A, Brown, 60; Ford Found. fel, California, Berkeley, 62-64, Ph.D.(psychol), 64. Asst. prof. psychol. & indust. admin, YALE, 64-67, ASSOC. PROF. PSYCHOL. & ADMIN. SCI, 67- Ford Found. faculty fel, 67-68; Fulbright teaching fel, 68. Psychol. Assn; Int. Assn. Appl. Psychol. Organizational psychology, particularly motivation and its relationship to attitudes and organizational structure. Publ: Co-auth, Managerial attitudes and performance, Irwin-Dorsey, 68 & Properties of organization in relation to job attitudes and job behavior, Psychol. Bull, 64: 23-51; auth, The multi-trait-multirater approach to measuring managerial job performance, J. Appl. Psychol, 67. Address: Dept. of Administrative Sciences, Yale University, 2 Hillhouse Ave, New Haven, Conn. 06520.
- LAWLER, DR. PAUL (JOHN)**, Psychiat, see 11th ed, Phys. & Biol. Vols.
- LAWLOR, GEORGE F(RANCIS)**, S.J, b. Newark, N.J., Apr. 4, 12. COUNSELING PSYCHOLOGY. A.B, Boston Col, 33, M.A., 39, Ph.D.(counseling psychol), 63; M.S, St. Louis, 41. Instr. gen. biol, BOSTON COL, 45-46, physiol, 46-49, asst. prof. anat. & physiol, 49-63, DIR. GUID. & LECTR. GRAD. SCH. ARTS & SCI, 63- Nat. Cath. Guid. Conf. liaison rep, Assn. Counsr. Ed. & Supv, 64- Psychol. Assn; Personnel & Guid. Assn; Ed. Res. Assn; Nat. Voc. Guid. Assn. Creativity—identification and measurement; psychological assessment of candidates for religion. Address: Boston College, Chestnut Hill, Mass. 02167.
- LAWLOR, DR. GERALD W(ILLIAM)**, b. Grand Rapids, Mich, Sept. 30, 04; m. 33; c. 2. PSYCHOLOGY. B.S, Oregon, 28; M.A, Columbia, 30, Ph.D. (psychol), 37. Asst. prof. psychol, Brooklyn Col, 31-60, dep. chmn. eve. session, 47-56; CLIN. PSYCHOLOGIST, De Witt State Hosp, Calif, 60-62; AGNEWS STATE HOSP, 62- Psychol. Assn. Situation-handling; self-help techniques. Address: Agnews State Hospital, San Jose, Calif. 95114.
- LAWRENCE, CHARLES B(ARNES), JR**, b. St. Louis, Mo, Dec. 25, 08; m. 35; c. 1. SOCIOLOGY. A.B, Columbia, 34, A.M, 39; American Univ, 62-68. Coordinator statist. projs, Cent. Statist. Bd. & Works Progress Admin, 35-42; dir. statist. standards, Off. Price Admin, 42-43; asst. dir, President's Cmt. Congested War Prod. Areas, 43-44; regional dir, Pub. Housing Admin, 45-48; pres, Reliance Homes of Wash, Inc. & Mod Contractors, Inc, 48-52; expert statist, UN Tech. Assistance Missions, Colombia, Cuba, Ecuador & Haiti, 52-53; dep. asst. to secy. & prog. anal. officer, U.S. Dept. Health, Ed. & Welfare, 54-60; ASST. DIR. opers, U.S. BUR. CENSUS, 60-66, INT. STATIST. PROGS, 66- Lectr, Michigan, 47; Colombia & Cuba, 53; American Univ, 55; Chulalongkorn, Bangkok, 66. Consult, U.S. Bur. Census & Atomic Energy Cmn, 51-52; spec. studies proj, Rockefeller Bros. Fund, Inc, 58; adv. Govt. Korea, 58-60. Chmn. interdept. cmt, Nat. Health Sur, 57-58; mem, Fed. Cmt. Int. Statist, 66- Econ. Assn; Statist. Assn; Korean Statist. Assn; Soc. Int. Develop; Pop. Assn. Am; Int. Assn. Agr. Econ.(rapporteur, 67). Survey and questionnaire techniques; statistical operations and coordination; statistical consulting, research and training services to developing countries. Publ: Adequacy of statistics in Central America at the inception of the Alliance for Progress, U.S. Bur. Census, 62; Health, education and welfare indicators; Experience with computers at the census, Datamation, 7/66. Address: 6505 Wiscasset Rd, Washington, D.C. 20016.
- LAWRENCE, PROF. CHARLES R(ADFORD)**, b. Boston, Mass, May 2, 15; m. 38; c. 3. SOCIOLOGY. A.B, Morehouse Col, 36; A.M, Atlanta, 38; Rosenwald Fund fels, Columbia, 39-40, 42-43, Gen. Ed. Bd. fel, 47-48, Ph.D, 51. Instr. sociol. & res. assoc. sociol. sci. inst, Fisk, 43-47; from instr. to PROF. SOCIOL. & CHMN. DEPT, BROOKLYN COL, 48- Sociol. Assn. Family sociology; race relations; race riots in World War II. Address: Dept. of Sociology, Brooklyn College, Brooklyn, N.Y. 11210.
- LAWRENCE, PROF. DOUGLAS H(OWARD)**, b. North Battleford, Sask, Feb. 1, 18; nat. PSYCHOLOGY. B.A, Washington (Seattle), 41, M.S, 42; Ph.D.(psychol), Yale, 48. Instr. PSYCHOL, Yale, 48-49; from asst. to PROF, STANFORD, 49- U.S.A.A.F, 42-46. Psychol. Assn. Learning and perception in animals and humans. Address: Dept. of Psychology, Stanford University, Stanford, Calif. 94305.
- LAWRENCE, DR. ERNEST S**, b. New York, N.Y., Apr. 12, 20; m. 47; c. 2. PSYCHOLOGY. B.S, City Col. New York, 47; Ph.D.(psychol), Southern California, 53. Staff psychologist & clin. supvr, Pac. State Hosp, Pomona, Calif, 50-55; lectr. clin. psychol. & supvr. clin. psychologist, Southern California, 55-63. Lectr, Los Angeles State Col, 55-56; practicing clin. psychologist, 55-. Consult, post-doctoral training prog, Cedars-Sinai Med. Center, 60- Dipl. Am. Bd. Exam. Prinl. Psychol. U.S.A., 42-45. AAAS; Psychol. Assn. Psychotherapy; psychodiagnostics; personality theory. Publ: Social adjustment, an area for psychological research in mental deficiency & co-auth, Mosaic patterns of institutionalized mental defectives, Am. J. Ment. Deficiency. Address: 450 N. Bedford Dr, Beverly Hills, Calif. 90210.
- LAWRENCE, DR. JAMES F(RANCIS)**, b. Hartford, Conn, Oct. 7, 13; m. 39. PSYCHOLOGY. A.B, Col. of Holy Cross, 36; M.S, Boston Col, 38; Ph.D, Fordham, 43. Psychiat. soc. worker, child guid. clin, Fordham, 38-42, instr. psychol, 42-43; asst. chief clin. psychologist, Vet. Admin. Hosp, Framingham, Mass, 47-49; chief psychologist, Vet. Admin. Hosp, Brockton, Mass, 53-54, chief psychol. training unit, 54-57; area chief psychologist, Vet. Admin. Area Med. Off, 57-60; v.pres. & gen. mgr, Richardson, Bellows, Henry & Co, Inc, 60-66; CONSULT. PSYCHOLOGIST, NORDLI, WILSON ASSOCS, 66- Lectr, sch. bus. admin, Boston Col, 67- Dipl. Am. Bd. Exam. Prinl. Psychol. Med.Serv.C, 43-46, 50-53, Res, 53-, Lt. Col. Fel. AAAS; fel. Psychol. Assn; fel. Soc. Proj. Tech; Group Psychother. Assn. Projective techniques; group dynamics; creativity. Address: 221 Ames St, Brockton, Mass. 02402.
- LAWRENCE, NORMAN**, b. New York, N.Y., Apr. 18, 18; m. 42; c. 4. DEMOGRAPHY. B.S, City Col. New York, 39. Chief, pop. composition & estimates unit, U.S. BUR. CENSUS, 46-48, pop. distrib. unit, 48-50, supvr. statistician, int. pop. statist. br, 51-55, asst. chief, for. manpower res. off, 56-57, chief, 57-63, spec. asst. to asst. dir. demog. fields, 63-67, INT. STATIST. ADV, 67- Lectr, Indust. Col. Armed Forces, 53-58. Adv. Cent. Off. Coord.

& Planning, Govt. Venezuela, 59-60, head off. statist. & nat. census, Ministry Develop, 60-62; statist. consult, Bur. Latin Am, Agency Int. Develop, 67-68; Inter-Am. Statist. Inst. U.S.A.F, 43-46, Res, 46-51, Capt. Statist. Asn; Pop. Asn; Int. Union Sci. Study Pop. Foreign area studies; population estimates and projections; census and demographic surveys. Address: 1111 Burketon Rd, Hyattsville, Md. 20783.

LAWRENCE, PROF. PAUL ROGER, b. Rochelle, Ill, Apr. 26, 22; m. 48; c. 2. INDUSTRIAL SOCIOLOGY. A.B. Albion Col, 43; M.B.A. Harvard, 47, D.C.S. 50. Asst. prof. bus. admin, HARVARD, 51-56, assoc. prof, 56-61, DONHAM PROF. ORGN. BEHAV, 61. U.S.N, 43-46, Lt.(jg). Soc. Appl. Anthropol; Sociol. Asn. Organizational behavior. Publ: Changing of organizational behavior patterns; Organizational behavior and administration; co-auth, Organization and environment, Div. Res, Harvard Bus. Sch, 67. Address: 17 Willard St, Cambridge, Mass. 02138.

LAWRENCE, DR. PHILIP S(IGNOR), b. Oak Park, Ill, Nov. 6, 14; m. 41; c. 4. STATISTICS. B.A. Denison, 37; D.Sc.(human biol), Hopkins, 40. Asst. dept. human biol, sch. hyg. & pub. health, Hopkins, 40; consult, child hyg. div, U.S. Pub. Health Serv, 40; asst, fatigue lab, Harvard, 41; chief, family studies, div. pub. health methods, U.S. Pub. Health Serv, 46-57, suprv. statistician & chief, surv. anal, Nat. Health Surv, 57-67; ASSOC. DIR, NAT. CENTER HEALTH STATIST, 67. U.S.N, 42-45, Comdr. Statist. Asn; Pub. Health Asn; Pop. Asn. Am; Int. Union Sci. Study Pop. Medical statistics; genetic and environmental factors in chronic illnesses; health and vital statistics methodology and survey research. Publ: Co-auth, Medical care, health status and income, Vital & Health Statist, 5/64; auth, Measurement of illness and disability, Geriatrics, 4/65; co-auth, Populations exposure to x-rays, Pub. Health Serv, 66. Address: National Center for Health Statistics, U.S. Dept. of Health, Education & Welfare, Washington, D.C. 20201.

LAWRENCE, DR. ROBERT JAMES, b. Elgin, Ill, Nov. 9, 29; m. 53; c. 2. ECONOMICS. A.B. Illinois, 57; Wayne State, 57-59; Fed. Reserve Bank Chicago fel, Michigan, 62, Ph.D.(econ), 63. Instr. econ, Michigan, 62-63; asst. prof, Texas, Austin, 63-66, assoc. prof, 66-67; ECONOMIST, FED. RESERVE BD, 67-. vis. prof. econ, 65-66, consult, 66-67. U.S.A.F, 50-56, Res, 56-, 1st Lt. Econ. Asn; Finance Asn. Banking structure and performance; monetary policy. Publ: The performance of bank holding companies, Fed. Reserve Bd, 67; Bank location and monetary policy, Nat. Banking Rev, 64; On the Aschheim-Bain controversy, Econ. J, 68. Address: Federal Reserve Board, Washington, D.C. 20551.

LAWRIE, DR. JOHN W, b. Columbus, Ohio, Jan. 1, 34; m. 56; c. 3. PSYCHOLOGY. B.A. Beloit Col, 56; M.B.A. Michigan, 59; Ph.D.(indust psychol), Wayne State, 63. Asst. personnel dir, Mfrs. Nat. Bank of Detroit, 58-62; res. psychologist, Gen. Motors Corp, 62-64; ASSOC. PROF. PSYCHOL, WABASH COL, 64-. Consult, various orgn. & industrs, 64-; indust. psychologist, 64-. Prediction of risk taking behavior in the stock market. Publ: Convergent job expectations and ratings of foremen, J. Appl. Psychol, 66; Organization and motivation, Personnel J, 1/67; Correlates of student attitudes toward business, J. Personnel & Guid, 68. Address: Dept. of Psychology, Wabash College, Crawfordsville, Ind. 47933.

LAWSHE, DR. C(HARLES) H(UBERT), JR, b. Swayzee, Ind, May 26, 08; m. 30; c. 1. INDUSTRIAL PSYCHOLOGY. B.S. Purdue, 29, Ph.D.(indust psychol), 40; M.A. Michigan, 35. Res. psychologist, eng. exp. sta, Purdue, 38; dean, trade sch, Ind, 39-40; PROF. INDUST. PSYCHOL, PURDUE, 41-. V.PRES. REGIONAL CAMPUS ADMIN, 66-. res. assoc. statist. lab, 48-58, asst. to dean grad. sch, 54-57, dean, univ. exten, 58-66, sch. tech, 64-66. Chmn, Ind. State Bd. Voc. & Tech. Ed. Civilian with War Labor Bd. Dipl. Am. Bd. Exam. Prnl. Psychol. Fel. AAAS; fel. Psychol. Asn. Personnel testing; job evaluation. Publ: Co-auth, Psychology of industrial relations, 53 & Principles of personnel testing, 2nd ed, 56, McGraw; Machine shop operations and set-ups, Am. Tech. Soc, 60. Address: Memorial Center, Purdue University, Lafayette, Ind. 47907.

LAWSON, PROF. CHESTER A(LVIN), Biol, Psychol, see 11th ed, Phys. & Biol. Vols.

LAWSON, PROF. EDWIN DAVID, b. Chicago, Ill, Dec. 23, 23; m. 49; c. 3. PSYCHOLOGY. A.B. Illinois, 48, A.M. 49, Ph.D.(psychol), 54. Instr. PSYCHOL, Buffalo, 52-53; asst. prof, State Univ. N.Y. Albany, 54-58, assoc. prof, 58-63; PROF. & CHMN. DEPT, Acadia, 63-65; Stanislaus State Col, 65-67; STATE UNIV. N.Y. COL, FREDONIA, 67-. Proj. dir, State Health Dept, N.Y., 55-57; consult. State Ed. Dept, 58. U.S.A.A.F, 42-45. Psychol. Asn; Soc. Psychol. Study Soc. Issues. Social Psychology and personality. Publ: Co-auth, Group pressure, attitude change and autonomic disturbance, J. Soc. Psychol, 5/57; co-auth, Social class, maternal health and child care, N.Y. State Health Dept, 58; auth, Why not UN regional universities, J. Higher Ed, 11/65. Address: Dept. of Psychology, State University of New York College at Fredonia, Fredonia, N.Y. 14063.

LAWSON, PROF. ERIC W(ILFRED), b. Franklin, W.Va, Aug. 29, 13; m. 37; c. 3. ECONOMICS, FINANCE. A.B. Emory & Henry Col, 33; M.A. Virginia, 36, Ph.D.(econ), 38; fel, Brookings Inst, 37-38. Asst. prof. econ, Susquehanna, 38-40; assoc. prof, Davidson Col, 40-42; economist, Off. Price Admin, Ga, 42-43, durable goods div, D.C., 45-47; cost analyst, material command, U.S. Dept. Army Air Force, 43-44; assoc. prof, SYRACUSE, 47-52, PROF. FINANCE & CHMN. DEPT, 52-. Vis. prof, Mich. State Col, 50-51. Econ. Asn; Finance Asn.(v.pres, 41). Valuation in corporate reorganizations; transmission of knowledge in economic development; capital markets and economic development. Publ: Co-auth, Problems of price control—production patterns, Govt. Printing Off, 47; auth, A federal department of finance—a proposal, J. Finance, 53; co-auth, Capital market development in Turkey, Turkish Conf. Bd, 64. Address: College of Business Administration, Syracuse University, Syracuse, N.Y. 13210.

LAWSON, GEORGE W(ILLIAM), JR, b. Seattle, Wash, Dec. 20, 09; m. 36; c. 3. PUBLIC ADMINISTRATION. A.B. Washington (Seattle), 36; univ. fel, Syracuse, 37-38, M.S., 38. Intern. State Dept. Soc. Welfare, N.Y., 38; asst. State Dept. Civil Serv, 38-39; instr. pub. health admin, New York Health

Dept, 39-42; asst. to asst. adminstr, Nat. Housing Agency, 42-45; asst. chief int. activities br, U.S. Bur. Budget, 45-52; dir. budget div, Mutual Security Agency, 52-53; spec. asst. mgt. & opera, Off. Econ. Coordinator, Korea, 53-55; chief pub. admin, div, U.S. AGENCY INT. DEVELOP, 56-57, PUB. ADMIN. ADV. RIO DE JANEIRO, BRAZIL, 67-. Dep. chief mission, UNRRA, 44-45; vis. lectr, Southern California, 60. Mem. U.S. Del. Prep. Cmn. for Int. Refugee Orgn, 46. Public Serv. award, Maxwell Grad. Sch, Syracuse, 65. Nat. Guard, 27-28. Soc. Pub. Admin; Soc. Int. Develop. Technical assistance in public administration; foreign aid budgeting and administration. Address: Public Administration Division, U.S. Agency for International Development, Rio de Janeiro, APO New York, N.Y. 09876.

LAWSON, DR. HAROLD LEWIS, Speech & Commun, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

LAWSON, HOWARD B(IRGER), b. Brooklyn, N.Y., May 16, 19; m. 46. PSYCHOLOGY. A.B. George Washington, 50, M.A., 53. Med. adminstr, Leary-Weimer Clin, 51-55; RES. PSYCHOLOGIST personnel, Nat. Security Agency, 55-58, U.S. Govt, 58-61, Fed. Aviation Agency, 61-63, DEFENSE DOCUMENTATION CENTER, 63-. Mem. bd. sci. info. exchange, Smithsonian Inst, 61. Psychol. Asn; Soc. Info. Sci. Behavioral factors in flow of scientific and technical information; user needs studies; evaluation of documentation storage and retrieval techniques. Publ: Co-auth, DoD user needs study, phase II: flow of scientific and technical information within the defense industry, Proc. Am. Psychol. Asn, 67. Address: 9917 Pinehurst Ave, Fairfax, Va. 22030.

LAWSON, PROF. JOHN E(WELL), Polit. Sci, see 10th ed, Soc. & Behav. Vols.

LAWSON, DR. MURRAY G(RANT), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LAWSON, DR. REED, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.

LAWSON, DR. R(OBERT) B(ERNARD), b. New York, N.Y., June 20, 40; m. 63; c. 2. PSYCHOLOGY. B.A. Monmouth Col.(N.J.), 61; U.S. Army fel. & M.A. Delaware, 63, NASA fel. & Ph.D.(psychol), 65. ASST. PROF. PSYCHOL, Villanova, 65-66; VERMONT, 66-. U.S. Pub. Health Serv. res. grant, Nat. Inst. Neurol. Diseases & Blindness, 67-70. AAAS; Psychol. Asn. Visual perception; conditions for stereopsis in the absence of classical disparities; determination of the extent to which disparate targets can differ in brightness, size and shape and still produce stereopsis. Publ: Co-auth, The efficacy of modification of brain calcium through dietary manipulation, Psychol. Records, 65; Stereopsis and anomalous contour, Vision Res, 67; Minimum condition for stereopsis and anomalous contour, Science, 67. Address: Dept. of Psychology, University of Vermont, Burlington, Vt. 05401.

LAWSON, COMDR. ROBERT F, U.S.N, Human Eng, see 11th ed, Phys. & Biol. Vols.

LAWSON, PROF. RUTH C(ATHERINE), b. Batavia, N.Y., Apr. 18, 11. POLITICAL SCIENCE. A.B. Mt. Holyoke Col, 33; scholar, Bryn Mawr Col, 33-34, A.M., 34, fel, 34-36, Ph.D., 47; fel, Acad. de Droit Int, Netherlands, 39. Instr. econ. & polit. sci, Newcomb Col, Tulane, 36-42; POLIT. SCI. MT. HOLYOKE COL, 42-46, asst. prof, 46-49, assoc. prof, 49-55, prof, 55-60, PROF. ALUMNAE FOUND, 60-. chmn. dept, 57-63, 64-65 & 67-68. Assoc. prof. & dir. jr. year int. studies in Geneva, Smith Col, 49-50; Guggenheim fel, 56-57; NATO fel, 59-60; prof. govt, Massachusetts, summer session in Bologna, Italy, 66. Mem. bd. dirs, Atlantic Coun. U.S., 64. Polit. Sci. Asn; Soc. Int. Law; Int. Studies Asn. International law and organization; world court; regionalism; United Nations. Publ: International regional organizations: constitutional foundations, Praeger, 62; contrib, Collier's Year Book, 64-66. Address: Dept. of Political Science, Mt. Holyoke College, South Hadley, Mass. 01075.

LAWTON, DR. MARCIA J(EAN), b. Pawtucket, R.I., May 21, 37. CHILD PSYCHOLOGY. A.B. Brown, 59; M.A. Northwestern, 61, Ph.D.(psychol), 63. Instr. med. psychol, col. med, Nebraska, 63-66, asst. prof, 66-68; RES. ASSOC. PSYCHOL, CHICAGO, 68-. Clin. psychologist, inpatient coord. children's serv, Nebr. Psychiat. Inst, 63-68. Consult, Meyey Ther. Center, Omaha, Nebr, 63-65; Sch. Dist, 63-67; Pottawattamie Ment. Health Clin, Council Bluffs, Iowa, 66-67; Volunteer Cmt, Omaha, Nebr, 67. Orthopsychiat. Asn; Psychol. Asn; Coun. Except. Children. Clinical child psychology. Publ: Co-auth, Figure drawings by young boys from father-present and father-absent homes, J. Clin. Psychol, 18: 304-305; auth, Animal and human CAT's with a school sample, J. Proj. Tech. & Personality Assessment, 30: 243-246 & Delay of gratification as a function of social agents, J. Ed. Psychol, 57: 246-252. Address: 8 West St, Lincoln, R.I. 02865.

LAWTON, DR. M(ORTIMER) POWELL, b. Atlanta, Ga, May 31, 23; m. 48; c. 3. PSYCHOLOGY. A.B. Haverford Col, 47; Ph.D., Columbia, 52. Psychometrist, Norristown State Hosp, Pa, 47-48; psychol. trainee, Vet. Admin. Regional Off, New York, N.Y., 48-52; clin. psychologist, Vet. Admin. Hosp, Providence, R.I., 52-57; asst. chief psychologist, Norristown State Hosp, Pa, 57-63; DIR. BEHAV. RES. PHILA. GERIAT. CENTER, 63-. Consult, Norristown State Hosp, 64-. Psychol. Asn. Geront. Soc; Int. Asn. Geront. Social gerontology; psychology of smoking. Publ: Cigarette smoking and attitude toward the etiology of lung cancer, J. Soc. Psychol, 61; The dimensions of morale, 68 & Assessing the competence of older people, 68, In: Research, planning, and action for the elderly, Behav. Pub. Address: Philadelphia Geriatric Center, 5301 Old York Rd, Philadelphia, Pa. 19141.

LAWTON, PROF. WILLIAM C(RANSTON), b. Scranton, Pa, Mar. 18, 08; m. 38. SOCIOLOGY. B.A. Texas, 33, M.A., 35; fel, Louisiana, 36-37; Ph.D. (sociol), Chicago, 55. Instr. econ. & sociol, Allegheny Col, 46-48; lectr. sociol, Puerto Rico, 50-51; prof. econ. & sociol. & chmn. dept, West Ky. State Col, 52-57; lectr. soc. sci, Chicago, 57-58; assoc. prof. SOCIOL, Arizona, 58-63; PROF, CALIF. STATE COL. HAYWARD, 63-. U.S.N.R., 42-46, Lt. Fel. Sociol. Asn; Soc. Appl. Anthropol. Soc. Study Social Probs; Anthropol. Asn; Econ. Hist. Asn; Soc. Hist. Tech. Entrepreneurial history; social theory; industrial sociology. Address: Dept. of Sociology, California State College at Hayward, Hayward, Calif. 94542.

- LAWYER, DR. KENNETH**, b. Macomb, Ill, July 31, 01; m. 30; c. 1. **MAR-KETING**. B.S. Knox Col, 23; A.M. Northwestern, 38; M.Ed. Pittsburgh, 44, Ph.D. 54. Sales mgr. Weinstock-Lubin Co. Calif. 29-31; mgr. Roos Bros, Inc. 31-34; instr. personnel admin. & asst. to pres. Knox Col, 34-39; supvr. State Bd. Voc. Ed, Ill, 39-42; asst. prof. & res. assoc. Illinois, 42-43; asst. prof. retailing, Pittsburgh, 43-44; assoc. prof. commerce & indust. CASE WESTERN RESERVE, 44-46. **PROF. MKT. & MERCHANDISING & CHMN.** DEPT. 46-, dir. bus. res. bur. 46-66. Lectr. Victoria Univ. N.Z. 66; London Polytechnic, 67; Orgn. European Econ. Coop. lectr. Athens, 68. Consult. U.S. Off. Ed. 39; War Prod. Bd. 41-43; War Manpower Cmn. 43-45; Orgn. European Econ. Coop.-European Productivity Agency, 59. Sales management; industrial marketing methods; economics of smaller businesses. Publ: Co-auth, Manual of small business operation; auth, Selling machine tools; Operating and executive characteristics, small metalworking manufacturers. Address: School of Management, Case Western Reserve University, Cleveland, Ohio 44106.
- LAY, PROF. CHESTER F(REDERIC)**, Bus. Mgt, see 10th ed, Soc. & Behav. Vols.
- LAYBOURN, DR. GOVE P(ETIT)**, JR. b. Minneapolis, Minn, May 14, 21; m. 44; c. 3. **PSYCHOLOGY**. B.A. Minnesota, 43, M.A. 47, Ph.D.(psychol), 50. Staff psychologist, Psychol. Corp. 50-55; res. analyst, mkt. anal. dept. GEN. MILLS, INC. 55-58, coordinator mkt. res. servs. 58-60, mgr. MKT. RES. DEPT. 60-65, DIR. BASIC RES. 65- Lectr. Minnesota, 67. U.S.N.R. 42-46. **AAAS**; Psychol. Asn; Mkt. Asn; Asn. Pub. Opinion Res. Attitudes and opinions; consumer interest and acceptance; communications. Publ: Co-auth, College students opinions of radio advertising, and What do readership studies really prove? J. Appl. Psychol; co-auth, Certain correlates of attitudes toward radio commercials. J. Mkt. Address: Marketing Research Dept, General Mills, Inc, 9200 Wayzata Blvd, Minneapolis, Minn. 55440.
- LAYCOCK, DR. ALLEIGH H(OWARD)**, Geog, Hydrol, see 11th ed, Phys. & Biol. Vols. & Suppl. IV.
- LAYCOCK, PROF. FRANK**, b. Salt Lake City, Utah, Sept. 25, 22; m. 46; c. 4. **PSYCHOLOGY**. B.A. California, 43, M.A. 44, Ph.D.(ed. psychol), 47. Instr. psychol, Chico State Col, 46-47, assoc. prof. 47-54; asst. prof. ED, California, 54-57, assoc. prof. 57-62; prof. OBERLIN COL, 62-65, ELISA GERSTACKER ALLEN PROF. 65- Fund Adv. Ed. faculty fel. Chicago, 52-53; Ford Found. fel. Geneva, 60-61. Fel. Psychol. Asn; fel. Soc. Res. Child Develop; Ed. Res. Asn; Comp. Ed. Soc. Child development; psychology of reading; gifted children. Address: Dept. of Education, Oberlin College, Oberlin, Ohio 44074.
- LAYCOCK, PROF. SAM(UEL) R(ALPH)**, b. Mamora, Ont, Mar. 7, 91. **EDUCATIONAL PSYCHOLOGY**. B.A. Toronto, 11; M.A. Alberta, 16, M.Ed. 23; Ph.D.(ed. psychol), London, 27; LL.D. Saskatchewan, 60. **PROF. ED. PSYCHOL.** SASKATCHEWAN, 27-, EMER. DEAN COL. ED, 54-, dean, 47-53. Res. dir. Sask. Div. Can. Nat. Cmt. Ment. Hyg. 28-36; chmn. Royal Cmn. Penal Reform, 46. Dipl. Am. Bd. Exam. Prfnl. Psychol. 50. Can. Army, 16-19. Fel. British Psychol. Soc. Mental hygiene; adaptability to new situations; adjustments of inferior and superior children. Publ: Special education in Canada, Gage, Toronto, 63; co-auth, Educational psychology, Clark, Toronto, 66; Family living and sex education, Can. Health Ed. Specialists Soc, 67. Address: 1490 Balfour Ave, Vancouver 9, B.C., Can.
- LAYER, PROF. ROBERT G(EOERGE)**, b. Detroit, Mich, Feb. 1, 21; m. 50; c. 2. **ECONOMICS**. A.B. Ohio Wesleyan, 43; M.A. Harvard, 48, Ph.D.(econ), 52. Instr. ECON, Fairmont State Col, 47, 48-52; asst. prof. Agr. & Mech. Col, Tex, 52-54, assoc. prof. 54-55; SOUTHERN ILLINOIS, 56-59, PROF, 59-, chmn. dept. 55-67. Fulbright vis. prof. Bologna Center Sch. Adv. Int. Studies, Italy, 60-61; Rockefeller Found. grant, Thammasat, 67-68. U.S.A. 42-46, 2nd Lt. Econ. Asn; Econ. Hist. Asn. Economic history and growth; money and banking. Publ: Co-auth, Survey of existing literature in the field of highway finance; Earnings of cotton mill operatives, 1925-1914; Fundamental bases of the economy of Southern Illinois, 1879-1959, Bus. Res. Bur, Southern Illinois Univ, 65. Address: Dept. of Economics, Southern Illinois University, Carbondale, Ill. 62901.
- LAYMAN, PROF. EMMA McCLOY**, b. Danville, Va, Feb. 25, 10; m. 36. **PSYCHOLOGY**. A.B. Oberlin Col, 30; M.A. N.Y. Univ, 31; Ph.D.(psychol), Iowa, 37, summer, 64; summer, Sophia, 65. Psychol. examiner, Iowa Psychopath. Hosp, Iowa City, 34-35, 37; clin. psychologist, Mich. Childrens Inst, Ann Arbor, 35-36; supvr. psychol. servs. Iowa Bd. Soc. Welfare, 37-41; lectr. Chattanooga, 46-47; assoc. prof. psychol. womans col, North Carolina, 47-52; supv. clin. psychologist, Brooke Army Hosp, Ft. Sam Houston, Tex, 52-54; chief psychologist, Childrens Hosp, Wash, D.C. 54-60; assoc. prof. PSYCHOL, IOWA WESLEYAN COL, 60-61, PROF, 61-, HEAD DEPT, 60-, DIR. E.ASIAN INST, 62- Dipl. Am. Bd. Exam. Prfnl. Psychol. 47. U.S.N.R. 43-46. Fel. Psychol. Asn; Psychopath. Asn; Inter-Am. Soc. Psychol; fel. Int. Coun. Psychol.(past pres). Psychology of international relations; psychosomatic disorders; brain damage in children; clinical techniques. Publ: Mental health through physical education and recreation; Item analysis of the adjustment questionnaire, J. Psychol; Comparison of the effectiveness of rural and graded school systems in meeting the needs of the mentally retarded child, Am. J. Ment. Deficiency. Address: Dept. of Psychology, Iowa Wesleyan College, Mt. Pleasant, Iowa 52641.
- LAYMAN, DR. JAMES W(ALTER)**, b. Cleveland, Ohio, Dec. 8, 04. **CLINICAL PSYCHOLOGY**. A.B. Western Reserve, 32, A.M. 33; Ph.D. Iowa, 36. Psychologist, Psychopath. Hosp, Iowa, 34-37; dir. & clin. psychologist, Child Guid. Center, Des Moines, Iowa, 37-42; asst. prof. clin. psychol. & dir. psychol. clin. Indiana, 42-46; assoc. prof. psychol. Chattanooga, 46; br. chief clin. psychologist, Vet. Admin. 46-47; prof. psychol. & acting chmn. dept. North Carolina, 47-50; asst. dir. dept. neuropsychiat. & chief psychol. br. Army Med. Serv. Sch. & chief clin. psychol. serv. Walter Reed Gen. Hosp, U.S. Dept. Army, 50-60; clin. psychologist & dir. dept. psychol. Ment. Health Inst, 60-66; PROF. PSYCHOL. & DIR. STUDENT COUNSELING, IOWA WESLEYAN COL, 66- Instr. Iowa, 34-37; Drake, 37-41; Simpson Col, 37-39; vis. prof. Indiana, 41. Consult. Off. Surg. Gen. U.S.A. 54-56, Res. 45-60, Lt. Col. Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn. Quantitative study of certain changes in schizophrenic patients under the influence of sodium amylal; intelligence quotient changes in older-age children placed for foster home care; psychological implications in clients of public assistance. Address: 403 S. Walnut St, Mt. Pleasant, Iowa 52641.
- LAYMAN, DR. MARVIN VIRGIL**, b. Bixby, Okla, Oct. 25, 26; m. 50; c. 3. **SOCIOLOGY**. B.A. Phillips, 48; B.D. Texas Christian, 55; M.A. Oklahoma, 61; Hogg Found. fel. & Ph.D.(sociol), Texas, 65. Minister, Disciples of Christ Churches, Tex. & Okla, 50-64; dir. res. Off. Econ. Opportunity, Tex, 64-65; ASSOC. PROF. sociol, Texas Southern, 65-67; FAMILY RELATIONSHIPS, OKLAHOMA, 67- Res. assoc. Texas, 61-64. Consult. res. dept. U.S. Cmn. Civil Rights & S.W. Center Desegregation, 67-; family rels. & sex ed. consult, 68- Sociol. Asn; Nat. Coun. Family Relts. Family; disaster; religion; survey research. Publ: Co-auth, Fallout shelters in Austin, Texas, Off. Civil Defense, 61, Before the winds, Nat. Acad. Sci, 64 & And the winds blew, Hogg Found, 65. Address: 1208 Benson Dr, Norman, Okla. 73069.
- LAYNE, DR. ERIC**, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 66.
- LAYTON, DR. DONALD (LARRY)**, Mod. & Medieval Russian Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LAYTON, DR. LEE E(DWARD)**, b. St. Louis, Mo, Aug. 9, 35; m. 59. **ECONOMICS**. A.B. Washington (St. Louis), 57, A.M. 62; Am. Med. Asn. fel. & Ph.D.(econ), Minnesota, 67. Instr. soc. sci, Minnesota, 63-64; ASST. PROF. ECON, CORNELL COL, 64- U.S.A. 58- U.S.A.R. 58-65, 1st Lt. Econ. Asn. Medical economics; labor economics; monetary economics; economic theory. Address: Dept. of Economics & Business, Cornell College, Mount Vernon, Iowa 52314.
- LAYTON, PROF. ROBERT L**, b. Salt Lake City, Utah, May 31, 25; m. 51; c. 6. **GEOGRAPHY**. B.S. Utah, 51, fel. 51-52, M.S. 52; Ph.D. Syracuse, 62. Asst. GEOG, Syracuse, 52-53, asst. instr. 53-54; assoc. prof. BRIGHAM YOUNG, 54-67, PROF, 67-, CHMN. DEPT. 60-65, 67- Nat. Sci. Found. summer insts. cartog, Washington, 63, 66. Adv. U.S. Agency Int. Develop, Guatemala, 65-66. U.S.A.A.F. 43-46. Nat. Coun. Geog. Ed. Economic and urban geography. Address: Dept. of Geography, 167 Heber Grant Bldg, Brigham Young University, Provo, Utah 84601.
- LAYTON, PROF. WILBUR L**, b. Atlantic, Iowa, Mar. 26, 22; m. 44; c. 3. **PSYCHOLOGY**. B.Sc. Iowa State Col, 43; M.A. Ohio State, 47, Ph.D. 50. Asst. prof. psychol, Minnesota, 48-52, assoc. prof. 52-58, prof. 58-59, asst. dir. student counseling bur. 48-59; PROF. PSYCHOL. & HEAD DEPT, IOWA STATE, 59-, V.PRES. STUDENT AFFAIRS, 67- Dipl. Am. Bd. Exam. Prfnl. Psychol. 56. U.S.A. 43-46. Fel. AAAS; fel. Psychol. Asn; Psychomet. Soc; Psychonomic Soc; Nat. Coun. Measurement in Ed.(pres, 66-67); Ed. Res. Asn; Nat. Rehab. Asn; Col. Personnel Asn; Personnel & Guid. Asn. Test construction; psychological statistics; counseling techniques; student unrest. Publ: Relationship between the method of successive residuals and the method of exhaustion, Psychometrika; Minnesota scholastic aptitude tests, privately pub, 54; co-auth, Minnesota counseling inventory, Psychol. Corp. 57. Address: 118 Beardshear Hall, Iowa State University, Ames, Iowa 50010.
- LAZAR, DR. GERALD**, b. New York, N.Y., Mar. 17, 37. **PSYCHOLOGY**. B.A. City Col. New York, 59; M.A. New Sch. Soc. Res, 61, Nat. Sci. Found. fel. 62-64, Ph.D.(psychol), 64. Asst. prof. PSYCHOL, STATE UNIV. N.Y. COL. NEW PALTZ, 64-66, ASSOC. PROF, 66- State Univ. N.Y. Res. Found. faculty fel. 65 & grants-in-aid, 65-66; vis. lectr. City Col. New York, 67. **AAAS**; Psychol. Asn. Verbal learning and retention; motor learning; perception; perceptual learning. Publ: Co-auth, Successive recall as a warm-up task, Psychonomic Sci, 66; auth, Adaptation to displaced vision as a function of direction of hand movement, Perceptual Motor Skills, 66; Warm-up before recall of paired adjectives, J. Verbal Learning & Verbal Behav, 67. Address: Dept. of Psychology, State University of New York at New Paltz, New Paltz, N.Y. 12561.
- LAZAR, DR. IRVING**, b. New York, N.Y., Feb. 20, 26; m. 48; c. 3. **PSYCHOLOGY**. B.S.S. City Col. New York, 48; pres. scholar, Columbia, 49-50, M.A. 50, Ph.D.(psychol), 54. Intern. Menninger Clin, 46-47; lectr. Pittsburgh, 47-48; instr. clin. psychol, Rochester, 48-49; psychol, Bard Col, 49-50; instr. & res. assoc. Illinois, 50-54; clin. psychologist, State Dept. Health, Nev, 54-60; dir. res. Peterson-Guedel Family Center, Beverly Hills, Calif. 60-63; EXEC. DIR, NEUMEYER FOUND, 63- Sr. lectr. Southern California, 60- Psychol. dir. Found. for Jr. Blind. Consult. Ill. Children's Hosp-Sch, 50-53; Inst. Res. Except. Children, 52-53; Res. Lab. Soc. Perception, 52-54; Los Angeles County Dept. Ment. Health; U.S. Off. Econ. Opportunity, 64-; Secy. Task Force Exits from Poverty & West. Center Law & Poverty, 67- U.S.A. 44-46; U.S.P.H.S.R. 57-, Sr. Asst. Scientist. Psychol. Asn; fel. Soc. Res. Child Develop; fel. Pub. Health Asn; Orthopsychiat. Asn; Sociol. Asn; Nat. Planning Asn; Int. Soc. Community Develop. Social perception and change; community organization; urban studies. Publ: Co-auth, The professional service corps, 66 & The family agent, 67, Neumeyer Found; co-auth, A manual for the technical assistance specialist, U.S. Off. Econ. Opportunity, 67. Address: Neumeyer Foundation, 405 N. Bedford Dr, Beverly Hills, Calif. 90210.
- LAZAR, DR. JOSEPH**, Pub. Admin, see 10th ed, Soc. & Behav. Vols.
- LAZARCIK, PROF. GREGOR**, b. Horna Streda, Slovakia, Mar. 10, 23; nat. **ECONOMICS, FINANCE**. B.Sc. State Col. Kosice, Slovakia, 45; M.Sc. Col. Agr. Brno, 48; M.A. Strasbourg, 53; fel. Paris, 51-53, A.M. & LL.D. 53; Friedman fel. Columbia, 54-55, Ph.D.(econ), 60. Asst. agr. eng. Col. Agr. Brno, 47-48; asst. mgr. lab. Cent. Butter Dairy, Switz, 48-49; controller dairy prods, Agr. Syndicate of Flanders, France, 50-51; res. assoc. sch. int. affairs, Columbia, 56-62, sr. res. assoc. ECON, 62-68; PROF, STATE UNIV. N.Y. COL. GENESEO, 68- Lectr. City Univ. New York, 63-; Columbia, 64- Dir. res. L.W. Int. Financial Res, Inc, 61-, chmn. bd. 62-; dir. for sci. Slovak-Am. Cultural Center, 67- Econ. Asn; Regional Sci. Asn; Asn. Study Soviet-Type Econ; Finance Asn. Impact of technological development on investment opportunities; measurement of national

income and economic growth in European countries; economics of international agricultural development and the current problems of food supply. Publ: Commerce in agricultural products between western and eastern Europe; Scientific research and its relation to earnings and stock prices; The performance of socialist agriculture, L.W. Int. Finance Res. Inc, 63. Address: Dept. of Economics, State University of New York College at Geneseo, Geneseo, N.Y. 14454.

LAZARUS, PROF. ARNOLD A, b. Johannesburg, S.Africa, Jan. 26, 32; m. 56; c. 2. BEHAVIORAL SCIENCE, CLINICAL PSYCHOLOGY. B.A., Witwatersrand, 55, Hons, 56, M.A., 57, Ph.D.(clin. psychol), 60. Vis. asst. prof. psychol, Stanford, 63-64; PROF. BEHAV. SCI, SCH. MED, TEMPLE, 66-Consult, med. sch, Witwatersrand, 60-63; Vet. Admin. Hosps, San Francisco Bay Area, 63-66. Psychol. Asn. Efficient psychotherapy within a behavioral setting, especially relationship between technique variables and empathy. Publ: Co-auth, Behavior therapy techniques, Pergamon, 66; auth, Towards the understanding and effective treatment of alcoholism, S.African Med. J, 65; Behavior therapy in groups, In: Basic approaches to group psychotherapy and counseling, C.C. Thomas, 68. Address: Dept. of Behavioral Science, Temple University Medical School, Eastern Pennsylvania Psychiatric Institute, Henry Ave, Philadelphia, Pa. 19129.

LAZARUS, DR. HAROLD, b. New York, N.Y., Jan. 16, 27; m. 52. BUSINESS MANAGEMENT. B.S., N.Y. Univ, 49; M.S., Columbia, 52, Ford fel, 55; Ph.D. (econ), 63. Asst. prof. MGT, Hofstra Col, 51-63; ASSOC. PROF., N.Y. UNIV, 63- Lectr. & consult, numerous state & fed. govt. & prfnl. & indust. orgns, 63-; consult, vis. prof. case study prog, Harvard, 64; Metrop. Life Ins. Co. fel, 65. U.S.N., 44-46. Acad. Mgt; Indust. Rels. Res. Asn. Behavior sciences in business; management responsibility; human resources; human relations; manpower; business policy; administration of higher education. Publ: American business dictionary, Philos. Library, 57; co-auth, Progress of management: process, behavior and operations research, Prentice-Hall, 68 & Human values in management, Bradstreet, 68. Address: 225 Wellington Rd, Garden City, N.Y. 11530.

LAZARUS, DR. IRWIN P(HILIP), Indust. Eng, see 11th ed, Phys. & Biol. Vols.

LAZARUS, PROF. RICHARD S(TANLEY), b. New York, N.Y., Mar. 3, 22; m. 45; c. 2. PSYCHOLOGY. B.A., City Col. New York, 42; M.A., Pittsburgh, 47, Ph.D.(psychol), 48. Asst. exp. psychol. lab, Pittsburgh, 46, lectr. psychol, 47-48, voc. adv. vet. guid. center, 46; asst. prof. psychol, Hopkins, 48-53; assoc. prof. psychol. & dir. clin. training prog, Clark, 53-57; assoc. prof. PSYCHOL, CALIFORNIA, BERKELEY, 57-59, PROF, 59- U.S. Pub. Health Serv. spec. fel, Waseda Univ, Japan, 63-64. Consult, Vet. Admin, 50- U.S.A., 43-46. Fel. Psychol. Asn. Personality and cognitive processes; personality and psychological stress; clinical psychology. Publ: Psychological stress and the coping process, McGraw, 66; co-auth, Personality, Penguin, 67; auth, Patterns of adjustment and human effectiveness, McGraw, 68. Address: Dept. of Psychology, Tolman Hall, University of California, Berkeley, Calif. 94720.

LAZER, PROF. W(ILLIAM), b. Estevan, Sask, July 4, 24; m. 53; c. 2. BUSINESS ADMINISTRATION. B.Com, Manitoba, 49; Beta Gamma Sigma fel. & M.B.A., Chicago, 50; Hagerty scholar, Ohio State, 54, Can. Soc. Sci. Res. grant, 54, Ph.D.(mkt. econ. & personnel ins), 56. Asst. prof. bus. admin, Manitoba, 51-55; instr. bus. admin. & mkt, MICH. STATE, 55-56, asst. prof, 56-58, assoc. prof, 58-61, PROF. BUS. ADMIN, 61- Ford Found. fel, inst. basic math. for appln. to bus, Harvard, 59-60. Consult, govt. & indust, 50-; Mkt. Sci. Inst, 62-65; Col. Entrance Exam. Bd, 66-67. R.C.A.F., 43-45. AAAS; Statist. Asn; Econ. Asn; Mkt. Asn. Application of mathematical methods and models in marketing; management uses of operations research; marketing management and planning; sales forecasting programs and techniques; systems approach to marketing action; managing innovation and change; research on decision making. Publ: Co-auth, Managerial marketing: perspectives and viewpoints, Mathematical methods and models in marketing & interdisciplinary contributions to marketing management. Address: Graduate School of Business, Michigan State University, East Lansing, Mich. 48823.

LAZERWITZ, DR. BERNARD MELVIN, b. Clayton, Mo, Nov. 3, 26; m. 56; c. 2. SOCIOLOGY, STATISTICS. A.B., Washington (St. Louis), 50; M.A., Chicago, 52; Ph.D., Michigan, 59. Asst. sampling sect. surv. res. center, Michigan, 55-58, res. assoc, 58-60; asst. prof. sociol, Illinois, 60-63, ASSOC. PROF, 63-65, FLORENCE HELLER GRAD. SCH. ADV. STUDIES SOC. WELFARE, BRANDEIS, 65- U.S.N., 45-46. Sociol. Asn; Statist. Asn; Soc. Sci. Study Relig. Sample survey as a research instrument, especially problems of sampling human populations and the analysis of data from complex sample designs; relationships between science and religion as social institutions. Publ: Co-auth, The three generations hypothesis, Am. J. Sociol, 3/64; auth, Religion and social structure in the U.S., In: Religion, culture and society, Wiley, 64; Sampling theory and procedures, In: Methodology in social research, McGraw, 67. Address: Florence Heller Graduate School for Advanced Studies in Social Welfare, Brandeis University, Waltham, Mass. 02154.

LAZOVIK, PROF. A(ARON) DAVID, b. Fredericktown, Wash, Apr. 23, 21; m. 42; c. 2. PSYCHOLOGY. B.S., Pittsburgh, 43, M.S., 45, Buhl fel, 45-46, Ph.D.(psychol), 47. Asst. PSYCHOL, PITTSBURGH, 46-47, asst. prof, 47-52, assoc. prof, 52-67, PROF, 67- Consult, Vet. Admin, 52- Dipl. Am. Bd. Exam. Prfnl. Psychol, 55. Psychol. Asn. Psychodiagnostics; psychotherapy. Publ: Co-auth, Experimental desensitization of a phobia, 63 and Desensitization suggestibility and pseudotherapy, 65, J. Abnorm. & Soc. Psychol. Address: Dept. of Psychology, University of Pittsburgh, Pittsburgh, Pa. 15213.

LAZOVIK, DR. GRACE F(RENCH), b. Baltimore, Md, Nov. 8, 22; m. 60; c. 3. PSYCHOLOGY. B.A., Maryland, 45; M.S., Washington (Seattle), 55, Ph.D., 57. Res. assoc. & dir. of teaching eval, Washington (Seattle), 47-57; res. assoc, PITTSBURGH, 58-59, from asst. prof. to ASSOC. PROF. PSYCHOL, 59-, DIR. TESTING SERV, 62- Psychol. Asn. Development of objective measures of college teaching; differential prediction of academic success. Address: Dept. of Psychology, University of Pittsburgh, Pittsburgh, Pa. 15213.

LAZOWICK, DR. LIONEL M(ORDECAI), b. Greenwich, Conn, Oct. 10, 26; div. CLINICAL PSYCHOLOGY. B.S., Roosevelt Col, 48; M.S., Illinois, 49, Ph.D., 53. Clin. psychologist, MENT. HEALTH DIV, ALAMEDA COUNTY MED. INSTS, 59-65, SR. CLIN. PSYCHOLOGIST, 65- Asst. prof, San Francisco State Col, 61-66; Calif. State Col. Hayward, 65-67. Private practice, 53- U.S.A., 44-45. Psychol. Asn. Techniques of psychotherapy; application and teaching; nature of identification; diagnostic techniques. Publ: On the nature of identification, J. Abnorm. & Soc. Psychol. Address: 7265 Hansen Dr, Dublin, Calif. 94566.

LEABO, PROF. DICK A(LBERT), b. Walcott, Iowa, Oct. 30, 21; m. 44; c. 1. STATISTICS, ECONOMICS. B.S., Iowa, 49, M.A., 50, Ph.D.(statist), 53. Asst. prof. statist. & asst. dir. bur. bus. & econ. res, Iowa, 48-56; Mich. State, 56-57; assoc. prof. STATIST, MICHIGAN, 57-62, PROF, 63-, DIR. DOCTORAL STUDIES PROG, 65-, assoc. dean, 62-65. Exchange prof, Netherlands Sch. Econ, 65. U.S.A.A.F., 43-45; 1st Lt; Distinguished Flying Cross; Air Medal. Statist. Asn; Econ. Asn; An. Bus. Econ. Business statistics; economic theory. Publ: Co-auth, Preparation for business leadership; views of top executives, Univ. Michigan, 64; auth, Basic statistics, Irwin, 68; Stochastic analysis as applied to the multiple linear regression equation, Proc. Am. Statist. Asn. Address: Graduate School of Business Administration, University of Michigan, Ann Arbor, Mich. 48104.

LEACH, DR. HUGH VERDELL, b. Molino, Mo, Jan. 7, 29; m. 59. BUSINESS ADMINISTRATION, ECONOMICS. B.S., Missouri, 58, M.S., 59, Ph.D.(agr. econ), 65. Asst. res, Missouri, 59-63, instr, 63-66; ASSOC. PROF. ECON. & BUS. ADMIN, WASHBURN, 66- U.S.A., 51-52. Mkt. Asn; Econ. Asn. Marketing of meat products. Address: Dept. of Economics, Washburn University, Topeka, Kans. 66621.

LEACH, PROF. JACK F(RANKLIN), b. U.S., Mar. 1, 14; m. 46; c. 3. POLITICAL SCIENCE. Univ. California traveling fel, 40; Brookings fel, Brookings Inst, 40-41; Ph.D., California, 43. Orgn. & methods exam, U.S. Dept. Army, Supreme Hqs. Allied Powers, Japan, 46-52; mgr. & v-pres, Isbrandtsen Co, Inc, N.Y., 52-56; lectr. polit. sci. & admin. asst. to pres, Univ. California, 56-59; PROF. POLIT. SCI, MONTEREY PENINSULA COL, 59-, CHMN. DEPT. GOVT, 62- Instr, univ. exten, California, Berkeley, 59-, consult, 59-61. U.S.M.C., 42-46, Capt. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Problem of mobilization of manpower in the United States. Publ: Conscript in the United States: historical background. Address: 38 Via Buena Vista, Monterey, Calif. 93940.

LEACH, PROF. RICHARD H(EALD), b. Denver, Colo, May 30, 22; m. 47; c. 1. POLITICAL SCIENCE. A.B., Colo. Col, 44; Kemp fel, Princeton, 46-47, Class of 1883 fel, 47-48, A.M., 48, Ph.D., 51. Lectr. & asst. prof. soc. sci, Ga. Inst. Tech, 49-55; asst. prof. POLIT. SCI, DUKE, 55-60, assoc. prof, 60-65, PROF, 65- Fulbright lectr, Amsterdam, 67-68. Consult, N.C. State Bd. Higher Ed, 65-67. Polit. Sci. Asn; Soc. Pub. Admin. American government; federalism; interstate relations. Publ: Interstate relations in Australia, Univ. Kentucky, 65; Governing the American nation, Allyn & Bacon, 67; ed, Contemporary Canada, Duke, 67. Address: Dept. of Political Science, Duke University, Durham, N.C. 27706.

LEACH, PROF. RICHARD MAXWELL, b. Childress, Tex, Feb. 10, 09; m. 31; c. 3. PSYCHOLOGY. B.A., Abilene Christian Col, 31; M.A., Denver, 39; Ed.D., Colorado, 50. Instr. chem. & psychol, ABILENE CHRISTIAN COL, 42-48, assoc. prof. PSYCHOL, 48-50, PROF, 50-, HEAD DEPT, 53- Instr, Colorado, 50; vis. instr, Connecticut, 53. Psychol. Asn; Acad. Psychother; fel. Int. Inst. Arts & Letters. Psychosomatics; emotions; multiple learning. Publ: Like stars shining brightly: College classroom, campus and you; Christianity and mental health. Address: 846 E.N. 14th St, Abilene, Tex. 79601.

LEACH, DR. WALTER W(ILLIAM), Psychol, see 10th ed, Soc. & Behav. Vols.

LEACOCK, DR. ELEANOR B(URKE), b. N.J., July 2, 22; m. 41; c. 4. ANTHROPOLOGY. B.A., Columbia, 44, M.A., 46, Ph.D.(anthrop), 52; Wenner Gren grants, Switz. & Italy, 48-49, Labrador, 50-51. Mem. staff Yorkville Ment. Health Proj. & asst. psychiatrist, med. col, Cornell, 52-55; teacher anthrop. & sociol, Queens Col.(N.Y.), 55-56; City Col. New York, 56-60; res. assoc, Bank St. Col. Ed, 58-63; assoc. prof. ANTHROPOL, POLYTECH. INST. BROOKLYN, 63-67, PROF, 67- Carnegie Corp. grant, 66-68. AAAS; fel. Anthropol. Asn; Soc. Appl. Anthropol; Ethnol. Soc. Social and theoretical anthropology; American Indians; social psychiatry; education; race relations; interdisciplinary theory and method in social sciences. Publ: Montagnais hunting territory and the fur trade; ed, Ancient history, Lewis Henry Morgan, Meridian Books, 63; co-auth, Toward integration in suburban housing, B'nai B'rith, 65. Address: 65 Horatio St, New York, N.Y. 10014.

LEACOCK, DR. SETH, b. Angleton, Tex, Aug. 10, 24; m. 49. ANTHROPOLOGY. B.A., California, 52, Soc. Sci. Res. Coun. fel, 56-57, Ph.D.(anthrop), 58. Instr. ANTHROP, California, 58-59; asst. prof, Chicago, 59-64; ASSOC. PROF, CONNECTICUT, 64- Nat. Sci. Found. res. grants, Brazil, 62-63 & summer, 65. U.S.A., 43-45. Anthropol. Asn; Ethnol. Soc. South American ethnology; religion; Afro-Brazilian religions. Publ: Ceremonial drinking in an Afro-Brazilian cult, Am. Anthropologist, 64; Maue economic life, Boleim Museu Goeldi, 64. Address: Dept. of Sociology & Anthropology, University of Connecticut, Storrs, Conn. 06268.

LEAF, DR. MURRAY J, b. New York, N.Y., June 1, 39; m. 65. ANTHROPOLOGY. B.A., Reed Col, 61; Nat. Inst. Ment. Health fel. & M.A., Chicago, 63, Ph.D.(soc. anthrop), 66. ASST. PROF. ANTHROP, Pomona Col, 66-67; CALIFORNIA, LOS ANGELES, 67- U.S.A.R., 65. Fel. Am. Anthropol. Asn; Asn. Asian Studies; Ethnol. Soc; fel. Royal Anthropol. Inst. Gt. Brit. Indian social organization, particularly peasant-village organization; social structure; social psychology; economic anthropology. Publ: Party organization in a village in the Punjab, In: Studies in everyday behavior, Indiana Univ, in press. Address: Dept. of Anthropology, University of California, Los Angeles, Calif. 90024.

LEAF, DR. RUSSELL C(HARLES), b. Chicago, Ill, Nov. 1, 35; m. 61; c. 3. PSYCHOLOGY, BIOLOGY. A.B., Chicago, 58; Sc.M., Brown, 60; Nat. Sci.

- Found. fel. Pennsylvania, 61-62, Ph.D.(psychol), 65. Sr. res. psychopharmacologist, Squibb Inst. Med. Res, 63-66; ASST. PROF. psychol, WESLEYAN, 66-67, PSYCHOL. & BIOL, 67- Consult, Squibb Inst. Med. Res, 66-; Shulton, Inc, 67- Psychol. Asn; N.Y. Acad. Sci. Learning; motivation; physiological psychology. Publ: Co-auth, LSD, man and society, Wesleyan Univ, 67. Address: Dept. of Psychology & Biology, Wesleyan University, Middletown, Conn. 06457.
- LEAMER, PROF. LAURENCE E(UGENE), b. Alma, Kans, Nov. 7, 14; m. 40; c. 3. ECONOMICS. A.B. Chicago, 39, A.M. 39, Ph.D.(econ), 50. Instr. econ. & govt, Burlington Jr. Col. 39-40; soc. sci, Chicago, 40-47, asst. prof, 47-50; assoc. prof. ECON, HARPUR COL, STATE UNIV. N.Y. BINGHAMTON, 50-55, PROF, 55-, CHMN. DIV. SOC. SCI, 61-63, 66- U.S.A. 45-46. Econ. Asn. Economic education and theory; social philosophy. Publ: The economist as teacher, South-Western Pub, 65; co-auth, Suggestions for a basic economics library, Joint Coun. Econ. Ed, 65; auth, Short history of economics in general education, Am. Econ. Rev. Address: 221 Torrance Ave, Vestal, N.Y. 13850.
- LEARN, PROF. ELMER W(ARNER), b. Sayre, Pa, Jan. 19, 29; m. 56; c. 2. AGRICULTURAL ECONOMICS. B.S. Pa. State, 50, M.S. 51, Ph.D. 57; Minnesota, 54-55. Res. assoc. AGR. ECON, MINNESOTA, 56-57, asst. prof, 57-60, assoc. prof, 60-62, PROF, 62-, DIR. PLANNING & EXEC. ASST. TO PRES, 64-, head dept, 63-64. Spec. consult, Fed. Reserve Bank Minneapolis & consult, U.S. Dept. Agr, 62. Am. Agr. Econ. Asn; Am. Econ. Asn; Int. Asn. Agr. Econ. Educational administration and planning; agricultural policy and prices; foreign trade. Publ: Estimating demand for livestock products at the farm level & The impact of European integration on American agriculture, 12/63, J. Farm Econ; An evaluation of market development projects in West Germany under section 104(a) of public law 480, Minn. Agr. Exp. Sta. Bull. Address: Office of the President, University of Minnesota, Minneapolis, Minn. 55455.
- LEARNED, PROF. EDMUND P(HILIP), b. Lawrence, Kans, Dec. 24, 00; m. 22; c. 2. BUSINESS ADMINISTRATION. A.B. Kansas, 22, A.M. 25; M.B.A. Harvard, 27, D.C.S. 30. Instr. mkt, HARVARD, 27-29, asst. prof, 29-34, assoc. prof, 34-39, prof, 39-45, bus. admin, 45-60, Charles Edward Wilson prof. BUS. POLICY, 60-67, CHARLES EDWARD WILSON EMER. PROF, 67- Lectr, grad. div, Simmons Col, 28-33. Indust. consult, 27-; spec. consult, commanding gen, U.S. Army Air Force, 42-47; chief of staff, U.S. Air Force, 47-66; consult. to adminstr, Fed. Aviation Agency, 66- Econ. Asn. Business policy; strategy and major policy objectives; planning; top management organization, motivation and control. Publ: Co-auth, Gasoline pricing in Ohio, Business policy text and cases & Organization theory and policy: notes for analysis. Address: 985 Memorial Dr, Cambridge, Mass. 02138.
- LEARNER, DR. LEONARD R(ICHARD), b. New York, N.Y., Jan. 26, 28. PSYCHOLOGY. A.B. Brooklyn Col, 48; M.A. Massachusetts, 51; Ph.D.(psychol), Pittsburgh, 55. Res. asst, Am. Inst. Res. & Personnel Measurement Serv, 52-53; personnel psychologist, Psychol. Serv. Pittsburgh, 53-55; supv. psychologist, U.S. Naval Personnel Res. Field Activity, 55-58; spec. studies, Smith Kline & French Labs, 58-64; v.pres. & dir. res, Nowland & Co, 64-67; PRES, LEARNER MKT. RES. & DEVELOP, 67- Psychol. Asn; Mkt. Asn. Business. Publ: New product planning, 68; Family interaction and household purchase behavior, 68; Men's purchase attitudes and behavior, 68. Address: 700 Summer St, Stamford, Conn. 06902.
- LEARY, DR. JAMES R(USSELL), Anthropol, see 10th ed, Soc. & Behav. Vols.
- LEARY, DR. ROBERT W(ILDING), b. Ft. Wayne, Ind, Sept. 13, 22; m. 54; c. 2. EXPERIMENTAL PSYCHOLOGY. A.B. Stanford, 44, A.M. 48; Ph.D.(psychol), Wisconsin, 56. Res. assoc. physiol, Washington (Seattle), 52-55; asst. prof. PSYCHOL, OREGON, 56-61, ASSOC. PROF, 61- Consult, Vet. Admin, 58-59. Summer res. consult, San Diego Zoo, 50. U.S.A. 44-46. AAAS; Psychol. Asn; Ecol. Soc. Learning and social behavior of monkeys; behavioral effects of psychotropic drugs; shock effects in rats; hypnotism; general psychological theory. Publ: The temporal factor in reward and nonreward of monkeys, J. Exp. Psychol; co-auth, Tranquilizer effects in the social status, motivation, and learning of monkeys, Am. Med. Asn. Arch. Gen. Psychiat; The effect of home cage environment on the social dominance of monkeys, J. Comp. Physiol. Psychol. Address: Dept. of Psychology, University of Oregon, Eugene, Ore. 97403.
- LEARY, DR. TIMOTHY, Psychol, see 10th ed, Soc. & Behav. Vols.
- LEASE, DR. M(ARTIN) HARRY, JR, b. Plainfield, Ind, Aug. 15, 27. PUBLIC LAW, GOVERNMENT. A.B. Indiana, 53, A.M. 55, Ph.D. 61. Asst, Indiana, 52-55; instr, Miami (Fla), 55-56; POLIT. SCI, MINNESOTA, DULUTH, 56-61, from asst. prof. to ASSOC. PROF, 61- Polit. Sci. Asn. Address: Dept. of Political Science, University of Minnesota, Duluth, Minn. 55812.
- LEASE, PROF. RICHARD J(AY), b. Cherokee, Ohio, Dec. 10, 14; m. 39, 60; c. 6. CRIMINOLOGY, PSYCHOLOGY. B.A. Arizona, 37, M.Ed. 61; South. Police Inst. scholar & cert, Arizona State, 56; Indiana, 60. Asst. biol. & physiol, Arizona, 37-39; patrolman, Tucson City Police Dept, Ariz, 38-41, identification officer fingerprinting, related detection & identification methods, 41-42, patrol sgt. police sci. & tactics, 42-53; safety officer first aid, Pima County Sheriff's Dept, 53, patrol supvr, 53-55, investr, 55-56; teacher, pub. schs, 57-59; lectr. POLICE SCI, Indiana, 60-65; ASST. PROF, NEW MEXICO STATE, 65- Vis. lectr, Northern Illinois; traffic inst, Northwestern, 60-62; Arizona State & Harrisburg Area Community Col, 67. U.S.M.C.R, 42-46, 1st Lt. AAAS; Acad. Forensic Sci; Soc. Criminol; Int. Asn. Chiefs Police. Effectiveness of chemical tests for intoxication in preventing accidents; correlations of reading disabilities and delinquency in boys; crime and accident prevention. Publ: New horizons in police efficiency, methods and personnel selection, C.C. Thomas, (in prep); co-auth, Alcohol and road traffic: problems of enforcement and prosecution. Address: Dept. of Police Science, College of Arts & Sciences, New Mexico State University, Las Cruces, N.Mex. 88001.
- LEATHERMAN, DR. C(LARENCE) D(ANIEL), b. New Castle, Pa, July 30, 11; m. 36; c. 1. EDUCATIONAL PSYCHOLOGY. A.B. Gettysburg Col, 33; Ph.D. (psychol), Hopkins, 36; Pennsylvania, 37-41. Lab. instr. psychol, Hopkins, 34-36; res. dir. prod, Bethlehem Steel Corp, Md, 36-37; assoc. prof. psychol, Drexel Inst, 37-41; sr. ed. coordinator, U.S. Dept. Army, D.C., 47-50, dir. sci. & specialized, manpower proj, 50-51, chief res. spec. warfare, 51-57, exec. asst. ed, Army Ord. Guided Missile Sch, Ala, 57-61; exec. asst. to pres, Renner, Inc, 61-62; exec. planner life sci, Melpar, Inc, 62-65; v.pres. mgt, United Consult. Int, Inc, 65-67; SR. ED. ADV. U.S. DEPT. ARMY, 67- prof. lectr, George Washington, 47-57; Alabama, 57-61. Chmn. tech. pub. panel, Nat. Security Indust. Asn, 61- U.S.A. 41-47, Col. AAAS; Psychol. Asn; Soc. Personnel Admin; Mgt. Asn. Personnel research, management and executive development; scientific and professional manpower studies; training techniques. Publ: Military psychology, personnel management and leadership; Guided missiles and the space age; Simulated training devices, In: Encyclopedia of supervisory training. Address: 7504 Fairwood Lane, Falls Church, Va. 22046.
- LEATHERS, PROF. ROBERT L(EE), b. Cisne, Ill, Jan. 16, 21; m. 42; c. 2. GEOGRAPHY. B.S. Southern Illinois, 46, Ph.D.(ed), 64; M.S. Chicago, 47. Instr. geog, Fla. State, 47-48, asst. prof, 48-54, bus. exec, 54-57; prin. high sch, Ill, 57-58; teacher, Aurora Pub. Schs, 58-64; PROF. ED, RADFORD COL, 64- Prin. pub. schs, Ill, 57-58, supt, 58-59. U.S.A. 43-45. Resource-use; educational administration; land climate association of the southern Appalachian Mountains. Address: 1511 Glenmore Lane, Route 3, Radford, Va. 24141.
- LEAVENS, D(ONALD) C(ARLOS), b. Sault Sainte Marie, Mich, May 2, 17; m. 51; c. 3. ECONOMICS. B.A. Southern California, 38; Ph.M. Wisconsin, 39. Chief motor carrier sect, U.S. Dept. Agr, 49-51, finance & ops. anal. sect, 51-53; prog. coordinator marine transportation, U.S. DEPT. COMMERCE, 53-63, spec. asst. to under secy. for transportation, 63-65, asst. dir. priorities & control procedures, 65-67, EMERGENCY TRANSPORTATION PLANNING OFFICER, OFF. EMERGENCY TRANSPORTATION, 67- U.S.N.R, 42-, Comdr. Ocean shipping; motor and rail transportation. Publ: Railroad passenger deficit; Kinds and uses of carriers; Maritime subsidy policy. Address: 7101 Capitol View Dr, McLean, Va. 22101.
- LEAVENWORTH, DR. RICHARD S, Indust. Eng, Ops. Res, see 11th ed, Suppl. IV to Phys. & Biol. Vols.
- LEAVITT, DR. CLARK, b. Peoria, Ill, Jan. 12, 23; m. 50; c. 3. PSYCHOLOGY. Ph.D.(psychol), California, 51. Instr. psychol, Knox Col, 51-53; asst. prof. & chmn. dept, Ripon Col, 53-54; res. assoc, Los Angeles County Tuberc. & Health Asn, 55; staff psychologist, E.H. Weiss & Co, 55-57; creative res. supvr, LEO BURNETT CO, INC, 57-67, DIR. COMMUN. LAB, 67- Psychol. Asn. Cognitive-motivation theory; social psychology, perception and consumer behavior. Publ: The communication response, In: Psychology in media strategy, Media Res. Cmt, Am. Mkt. Asn, 66; Intrigue in advertising: the motivating effects of visual organization, Proc. Advert. Res. Found; Laboratory measures of response to communication, Pub. Opinion Quart, fall 66. Address: 2510 Orrington, Evanston, Ill. 60201.
- LEAVITT, PROF. GEORGE S(QUIRE), b. St. Paul, Minn, Mar. 30, 22; m. 46; c. 4. PSYCHOLOGY. A.B. Macalester Col, 43; M.A. California, 50, Ph.D.(psychol), 55. Instr. PSYCHOL, FRESNO STATE COL, 55-57, asst. prof, 57-59, assoc. prof, 59-65, PROF, 65- AAAS; Psychol. Asn. Theories of the behavior of individuals and organizations; experimental methods in social psychology. Publ: Co-auth, Teachers' understanding of pupils and pupils' ratings of teachers, Psychol. Monogr, Intermediary key in the analysis of interpersonal perception, Psychol. Bull. & Psychological meaning of acquiescence set for authoritarianism, J. Abnorm. & Soc. Psychol. Address: Dept. of Psychology, Fresno State College, Fresno, Calif. 93726.
- LEAVITT, PROF. HAROLD J(ACK), b. Lynn, Mass, Jan. 14, 22; m. 43; c. 2. SOCIAL PSYCHOLOGY. B.A. Harvard, 43; M.Sc. Brown, 44; fel. Mass. Inst. Tech, 46-49, Ph.D.(indust. rels), 49. Asst. psychol, Brown, 43-44; asst. prof, Rensselaer Polytech, 49-50; surv. dir, Neijelski & Co, Inc, 50-51, v.pres, 51-53; assoc. prof, sch. bus, Chicago, 54-58; prof. indust. admin. & psychol, Carnegie Inst. Tech, 58-67; KILPATRICK PROF. ORGN. BEHAV. & PSYCHOL, GRAD. SCH. BUS, STANFORD, 67- Consult, European Productivity Agency, France, 56; Ford Found. Pop. Div, 66- U.S.N.R, 54-56, Lt.(jg). Psychol. Asn; Inst. Mgt. Sci.(v.pres, 59-60). Publ: Managerial psychology, Univ. Chicago, 58 & 64; co-auth, New perspectives in organization research, Wiley, 64. Address: Graduate School of Business, Stanford University, Stanford, Calif. 94305.
- LeBAR, DR. FRANK M, b. Stroudsburg, Pa, Jan. 24, 20; m. 50; c. 4. ANTHROPOLOGY. B.A. Yale, 42, Ph.D.(anthropol), 51. Asst. prof, dept. anthrop. & sociol. & res. assoc. inst. res. soc. sci, North Carolina, 51-53; res. assoc, HUMAN RELS. AREA FILES, INC, 54-56, RES. DIR, 56-; RES. ASSOC. DEPT. ANTHROP, YALE, 54- U.S.A. 43-46. Anthropol. Asn; Soc. Appl. Anthropol; Ethnol. Asn. Applied anthropology and research in the field of mental health; cultural anthropology of Southeast Asia and the Pacific; problems of classification and categorization of social science data. Publ: Ed, Laos: its people, society and culture, 61 & co-auth, Ethnic groups of mainland Southeast Asia, 64, Human Rels. Area Files Press; auth, Material culture of Truk, Yale, 64. Address: Human Relations Area Files, Inc, 2054 Yale Station, New Haven, Conn. 06520.
- LeBEAU, DR. OSCAR R(AY), Agr. Econ, see 10th ed, Soc. & Behav. Vols.
- LEBEAUX, PROF. CHARLES N(ATHAN), b. Worcester, Mass, Oct. 25, 13; m. 45; c. 2. SOCIOLOGY. A.B. Dartmouth Col, 35; M.S.W. Michigan, 47, Ph.D.(sociol), 54. Asst. prof. sociol, Arizona, 47-53; assoc. prof. SOC. WORK, WAYNE STATE, 53-64, PROF, 64- U.S.A. 43-46, Lt. Sociol. Asn. Sociology of professions; social welfare. Publ: Co-auth, Industrial society and social welfare & Studies in change and renewal in an urban community, Wayne State, 65. Address: 476 S. Cranbrook Cross Rd, Birmingham, Mich. 48010.
- LEBEDA, DR. AGNES, b. Renfrow, Okla, Feb. 11, 16. ECONOMICS. A.B. Northwest State Col.(Okla), 35; M.S. Okla. Agr. & Mech. Col, 45; Colorado, 48; fel. N.Y. Univ, 52; Ph.D. Minnesota, 55. Asst. prof. econ, Washburn,

46-53; BUS, NORTHERN IOWA, 53-56, assoc. prof, 57-60, PROF, 60- Ford Found. summer fel, 59. Soc. Comp. Ed. del, U.S.S.R, 60. Consumer economics; business organizations. Address: Dept. of Business, University of Northern Iowa, Cedar Falls, Iowa 50613.

LEBERGOTT, PROF. STANLEY, b. Detroit, Mich, July 22, 18; m. 41; c. 2. ECONOMICS. B.A., Michigan, 38, M.A., 39; Harvard, 58. With U.S. Dept. Labor, 40-45; Int. Labour Off, 46-47; U.S. Bur. Budget, 48-62; PROF. ECON, WESLEYAN, 62- Vis. prof, Stanford, 61-62. Mem. exec. cmt, Soc. Sci. Res. Coun, 64- Rockefeller pub. serv. award, 58. Econ. Asn; Statist. Asn. Income; employment; vital statistics. Publ: Manpower in economic growth, McGraw, 64; ed. Men without work, Prentice-Hall, 64; Wage structures, Rev. Econ. & Statist. Address: Dept. of Economics, Wesleyan University, Middletown, Conn. 06457.

LEBLANC, DR. GASTON A(LPHEE), b. Green River, N.B, Sept. 24, 22; m. 48; c. 4. PSYCHOLOGY. B.A., McGill, 49; M.A., Montreal, 52, Ph.D, 58. Sr. psychologist rehab, Queen Mary Vet. Hosp, Montreal, Que, 54-60; mgr. personnel, Prov. Transport Co, 60-62; CONSULT. INDUST. PSYCHOL, MAHONEY & LEBLANC, 62- R.C.A.F, 40-45. Am. Psychol. Asn; Can. Psychol. Asn. Development of a battery of tests of work competence and stability. Address: 2501 Moquin, V. Brossard, Que, Can.

LEBLANC, PROF. HUGH LINUS, b. Alexandria, La, Oct. 30, 27; m. 53; c. 2. POLITICAL SCIENCE. A.B. La. State, 48; A.M. Tennessee, 50; Ph.D.(polit. sci), Chicago, 58. Res. assoc. state govt. res. Coun. State Govts, 50-52; asst. prof. polit. sci, GEORGE WASHINGTON, 55-59, from assoc. prof. to PROF. POLIT. SCI. & DIR. PROGS. PUB. AFFAIRS, 59- Consult. & res. scientist, U.S. Outdoor Recreation Resources Rev. Cmn, 60-61; Maryland Nat. Capital Planning Cmn, 61-62. U.S.N, 45-46, 52-55, Lt.(jg). Polit. Sci. Asn; Acad. Polit. Sci; Soc. Pub. Admin. State and local government; urban planning; American political processes. Publ: Governmental process in the District of Columbia, Wash. Center Metrop. Studies, 65; co-auth, Evaluation of the shoreline recreation resources; co-auth, An information system for urban planning, Urban Planning Bull. 1, Housing & Home Finance Agency, 65. Address: Dept. of Political Science, George Washington University, Washington, D.C. 20006.

LEBO, DR. DELL, b. New York, N.Y, Aug. 6, 22; m. 49; c. 1. CLINICAL PSYCHOLOGY. B.A., N.Y. Univ, 49; Iowa, 50; M.A., Fla. State, 51, Ph.D. (psychol), 56. Asst. psychol, Fla. State, 51-53, instr. & ed. counsr, 53-54; intern, Carter Mem. Hosp, Indianapolis, Ind, 54-55; asst. prof, sch. clin. & appl. psychol, Richmond Prfnl. Inst, 55-57, assoc. prof, 57-59; clin. psychologist, CHILD GUID. CLIN, 59-62, CHIEF PSYCHOLOGIST, 62- Lectr, Jacksonville, 59-; suprvy. training course, Chamber of Commerce, 63- Private practice, 56-; consult, State Indust. Farm Women, Va, 57-59; Calhoun Center, 59-; Juvenile Court & Sheriff's Dept; Moosehaven Res. Lab, 60-63. U.S.A.A.F, 43-45. Fel. AAAS; Psychol. Asn; Psychonomic Soc. Evaluation of therapy; personality measurement; play therapy. Publ: Present status of research on nondirective play therapy, J. Consult. Psychol; Simplified method for measuring emotional defecation in the rat, Science; Agression and age in relation to verbal expression in nondirective play therapy, Psychol. Monogr. Address: Child Guidance Clinic, 1635 St. Paul Ave, Jacksonville, Fla. 32207.

LeBOEUF, DR. BURNEY J, b. Montegut, La, June 2, 34; m. 66; c. 1. PSYCHOLOGY. A.B. California, Berkeley, 60, Ph.D. (psychol), 66; M.A., San Francisco State Col, 62. Psychologist, radiobiol. lab, California, Davis, 66-67, ASST. PROF. PSYCHOL, CROWN COL, CALIFORNIA, SANTA CRUZ, 67- Lectr, California, Davis, 67. Animal Behav. Soc. Description, quantification and analysis of species-specific behavior. Publ: Co-auth, The effects of intromission frequency on successful pregnancy in the female rat, Proc. Nat. Acad. Sci, 6/65 & Coital behavior in dogs, Animal Behav, 10/67; auth, Inter-individual associations in dogs, Behav, 67. Address: 226 Berkeley Way, Santa Cruz, Calif. 95060.

LEBOLD, DR. WILLIAM K(ERNS), Psychol, Elec. Eng, see 11th ed, Phys. & Biol Vols.

LEBOVITS, DR. BINYAMIN Z(EEV), b. Corsicana, Tex, Oct. 28, 25; m. 52. c. 5. CLINICAL PSYCHOLOGY. B.A., California, Los Angeles, 49, M.A., 52, Ph.D, 54. Asst. Langley Porter Clin, 53; PSYCHOLOGIST, STATE PSYCHOPATHIC INST, ILL, 54-; ASSOC. PROF. PSYCHOL, ROOSEVELT, 63-; summer res. fel, 59, asst. prof. clin. psychol, 56-63. Nat. Found. res. fel, col. med, Illinois, 55-56, res. assoc, 56-; psychologist, Los Angeles County Gen. Hosp, 60-61. U.S.A., 44-46. Psychol. Asn. Psychosomatic medicine; projective techniques; personality theory; coronary heart disease; use of objective personality tests in regard to teaching; development of a general education program. Publ: Co-auth, A note on the social desirability scale, Psychol. Reports, 66, Prospective and retrospective psychological studies of coronary heart disease, Psychom. Med, 67 & Personality, defensiveness and educational achievement, J. Personality & Soc. Psychol, 67. Address: Dept. of Preventive Medicine, University of Illinois, 1853 W. Polk, Chicago, Ill. 60612.

LEBOVITZ, DR. LEON, b. Chattanooga, Tenn, Sept. 24, 25; m. 50; c. 3. PSYCHOLOGY. B.A. Chattanooga, 48, M.A. Tennessee, 51, Ph.D. 58. Exam. psychologist, State Dept. Ed, Tenn, 52-53; psychologist, Oak Ridge Sch. Syst, 52-61; sr. clin. psychologist, Ment. Health Center Anderson & Roane Counties, Inc, 61-64; ASSOC. PROF. & LECTR. PSYCHOL, MEMPHIS STATE, 64-; DIR. PSYCHOL. SERV. & CONSULT, MEMPHIS CITY SCHS, 64- Lectr, Tennessee, 53-; asst. prof. pediat. col. med, Tennessee, 64-66. Consult, Tenn-Va. Cerebral Palsy Center, 53-54; private practice, 59-; dir. psychol. serv, Daniel Arthur Rehab. Center, Oak Ridge, 61-64. Chmn. task force prev. ment. illness, Tenn. Dept. Ment. Health, 62-63. Psychol. Asn; Asn. Ment. Deficiency; Nat. Ed. Asn. School and clinical psychology; community mental health; exceptional children; techniques of school instruction. Address: 5280 Castleman Cove, Memphis, Tenn. 38118.

LEBOVITZ, DR. SOL, b. Brockton, Mass, Apr. 23, 15; m. 52; c. 2. POLITICAL SCIENCE. B.S., Boston, 42; Thayer fel, Harvard, 42-43, A.M., 43, Ph.D.

(polit. sci), 49. Ed. specialist, U.S. Dept. Army, Ft. Gordon, Ga, 50-57; exec, Dictaphone Corp, N.Y., 57-62; PROF. POLIT. SCI. & CHMN. DEPT. SOC. SCI, BRYANT COL, 62- Instr, univ. center, Georgia, 53-57; discussion course leader, N.Y. Univ, 58- Mem. bd. dirs, World Affairs Coun. R.I. U.S.A., 44-46, Capt. Polit. Sci. Asn; Acad. Polit. & Soc. Sci; Am. Acad. Arts & Sci. International relations; comparative, military and American government. Address: Dept. of Social Sciences, Bryant College, Providence, R.I. 02906.

LEBOW, DR. VICTOR, b. Tulsa, Okla, June 11, 25; m. 54; c. 2. CLINICAL PSYCHOLOGY. B.A., Kansas, 45; M.S., Illinois, 50; Ph.D., Purdue, 57. Psychologist, Elgin State Hosp, Ill, 49-52; trainee, Vet. Admin, 54-56; psychologist, Inst. Juvenile Res, 57-60; Irene Josselyn Clin, Winnetka, 60-62, chief psychologist, 62-66; CHIEF PSYCHOTHER. PROG, READ ZONE CENTER, CHICAGO, 67- Instr, Nat. Col. Ed, 61-62. Private practice, 60-; consult, Ill. Youth Cmn, 61-62. Psychol. Asn. Psychotherapy; methods of internal validation in individual test interpretation; delineation of defects in central nervous system function; effect on psychotherapy of multiple members and multiple therapists. Address: 1831 Ashland Ave, Evanston, Ill. 60201.

LEBOWITZ, DR. ANNE, b. Paris, France, July 5, 14; nat; m. 39; c. 2. CLINICAL PSYCHOLOGY. B.A., St. John's (N.Y.), 38; M.A., Adelphi Col, 56, Ph.D. (clin. psychol), 60. Child guid. consult, community orgns, N.Y., 51-52; clin. psychologist, Children's in-patient treatment serv, Gen. Hosp, Los Angeles County, 57-58, 59-60; DIR. CHILDREN'S PSYCHOL. SERV, MED. CENTER, SOUTHERN CALIFORNIA, 60- Instr, sch. med, Southern California, 59-67, assoc. clin. prof. psychiat, 67-; consult, arthritis proj, 58-59. Consult, sch. med, Loma Linda, 67- Psychol. Asn; Soc. Proj. Tech; Orthopsychiat. Asn. Patterns of perceptual and motor organization in psychopathology. Address: Dept. of Psychiatry, University of Southern California School of Medicine, 1934 Hospital Place, Los Angeles, Calif. 90033.

LEBRA, PROF. WILLIAM P(HILIP), b. St. Paul, Minn, Sept. 2, 22. ANTHROPOLOGY. B.A., Minnesota, 48, M.A., 49; fel, Harvard, 54-55, Ph.D.(anthrop), 58. Field assoc. anthrop, Pac. Sci. Bd, Nat. Res. Coun, 53-54; instr, grad. col, Pittsburgh, 57-58, asst. prof, 58-61; vis. scholar, east-west center, HAWAII, 61-62, assoc. prof. anthrop. & Asian studies, 62-64, PROF. ANTHROP, 64-; DIR. SOC. SCI. RES. INST, 62- Prin. investr, Nat. Inst. Ment. Health grants, 59-62 & 67- Sig.C. U.S.A., 43-46. Fel. Anthrop. Asn; Soc. Appl. Anthropol; Ethnol. Soc; Asn. Asian Studies. Social anthropology; religion; culture and behavior; East Asia and the Pacific. Publ: Co-auth, Post-war Okinawa; auth, Britannica book of the year; Okinawan religion, Univ. Hawaii, 66. Address: Social Science Research Institute, University of Hawaii, 1914 University Ave, Room 101, Honolulu, Hawaii 96822.

LEBRUN, PROF. EDMOND J(OSEPH), b. Mass, Oct. 14, 17. AGRICULTURAL ECONOMICS, RURAL SOCIOLOGY. B.S., R.I. State Col, 41; M.S., Tennessee, 42; Mich. State, 49. Asst. economist, Off. Price Admin, 42-43; exp. sta, R.I. State Col, 43-45; cotton fieldman, U.S. Dept. Agr, Tenn, 46-47; asst. prof. agr. econ. & rural social, Maine, 47-54; PROF. BUS. ADMIN, HUSSON COL, 54-; ASST. HEAD DEPT, 67- Rural Sociol. Asn; Nat. Asn. Acct. Milk distribution in Providence, Rhode Island; rural organization in three Maine towns. Publ: Consumer preference for poultry meat. Address: Dept. of Business Administration, Husson College, Bangor, Maine 04401.

LECHT, DR. LEONARD A, b. Providence, R.I, Oct. 16, 20; m. 51; c. 1. ECONOMICS. A.B. Minnesota, 42; Ford Found. faculty fel, 51-52; Ph.D., Columbia, 53. Asst. prof. econ, Texas, 49-53; Carleton Col, 53-54; assoc. prof. econ. & social, Long Island, 54-56, chmn. dept, 54-63, prof, 56-63; DIR. nat. goals proj, NAT. PLANNING ASN, 63-67, CENTER PRIORITY ANAL, 67- Lectr, Columbia, 47-49. Econ. consult; consult, merger N.Y. Cent. & Pa. Railroads, 62-63; proposed merger Am. & East. Airlines, 62- U.S.A., 43-45. Econ. Asn; Indust. Rels. Res. Asn; Statist. Asn; fel. Royal Econ. Soc. Economic planning; manpower policy; economics of education. Publ: Experience under railway labor legislation, Columbia Univ, 56; The dollar cost of our national goals, Nat. Planning Asn, 65; Goals, priorities and dollars—the next decade, Macmillan, 66. Address: 6410 Marjory Lane, Bethesda, Md. 20034.

LECKART, DR. BRUCE T(HOMAS), b. New York, N.Y, Mar. 8, 40; m. 61. EXPERIMENTAL PSYCHOLOGY. B.A., Mich. State, 62, M.A., 63, Nat. Inst. Ment. Health fel. & Ph.D.(exp. psychol), 65. ASST. PROF. PSYCHOL, OHIO, 65- AAAS; Psychol. Asn; Psychonomic Soc. Attention. Publ: Co-auth, Alternation behavior: learning and extinction one trial per day, J. Comp. & Physiol. Psychol, 60:229-232; Effect of rate of presentation on free looking time, 1:107-109 & Discrimination based on response-produced stimuli, 2:301-303, Perception & Psychophys. Address: 36 Charles St, Athens, Ohio 45701.

LeCLAIR, PROF. EDWARD E(MILE), JR, b. Southbridge, Mass, Sept. 27, 22; m. 45; c. 2. ANTHROPOLOGY. A.B. Clark, 48, fel, 48-50, A.M., 49, Ph.D. (econ), 53; Soc. Sci. Res. Coun. fel, Northwestern, 51-52. Asst. prof. econ. & social, Norwich, 50-51; instr. econ, Middlebury Col, 52-55; vis. asst. prof, Far East. studies, Cornell, 55-57, asst. prof, anthrop, 57-58; assoc. prof, RENSSELAER POLYTECH, 58-64, PROF. ANTHROP. & CHMN. DEPT. HIST. & POLIT. SCI, 64- Consult, State Bur. Indust. Res, Vt, 50-51. U.S.A.A.F, 43-46. Anthropol. Asn; Soc. Appl. Anthropol; Ethnol. Soc. Community; primitive economics; economic development. Publ: Co-ed, Economic anthropology: a reader in theory and analysis, Holt, 68; auth, Economic anthropology and economic theory, Am. Anthropologist; Problems of large-scale anthropological research, In: Human organization research. Address: Dept. of History & Political Science, Rensselaer Polytechnic Institute, Troy, N.Y. 12181.

Le CRAFT, DR. BEATRICE ANN, b. Jersey City, N.J, July 18, 06. PSYCHOLOGY. B.S., Fordham, 31, M.A., 36, Ph.D.(psychol), 41; N.Y. Univ; Columbia. Teacher, Jersey City Bd. Ed, 24-37, sch. psychologist, 37-49, chief psychologist, 49-66; COORDINATOR COMMUNITY MENT. HEALTH, MT. CARMEL GUILD, 67- Lectr, Notre Dame Col, Staten Island, 40; N.J. State Teachers Col, Newark, 44-46; lectr, Seton Hall, 48-58; practicing psychologist, 48- Dipl, Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn.

Emotionally disturbed. Address: 1141 Boulevard 2C, Boulevard Gardens, Bayonne, N.J. 07002.

LeCRONE, PROF. FRED, Hort, see 11th ed, Phys. & Biol. Vols.

L'ECUYER, PROF. H(ERO) K, b. Aurora, Kans, Apr. 12, 13; m. 57; c. 5. BUSINESS ADMINISTRATION. A.B. Kansas, 33; M.B.A. Harvard, 41. Welfare dir, Mo. & Kans, 33-39; asst. prof, Western Ontario, 41-43; employ. mgr, Braniff Airways, Inc, 43-44; admin. mgt, Price, Waterhouse & Co, 44-49; ASSOC. PROF. BUS. KANSAS, 49-, ASST. DEAN UNDERGRAD. PROG, 66- Consult, 41- Acad. Mgt. Business size and organization; relation between competitive ability and establishment sizes operated by independent and centrally-controlled companies; organization of multiunit operations; small business ownership succession. Address: School of Business, University of Kansas, Lawrence, Kans. 66044.

LEDBETTER, PROF. CALVIN REVILLE, JR, b. Little Rock, Ark, Apr. 29, 29; m. 53; c. 2. POLITICAL SCIENCE. A.B. Princeton, 51; LL.B. Arkansas, 54; Ph.D. Northwestern, 60. Asst. polit. sci, Northwestern, 59-60; ASST. PROF. POLIT. SCI. & HIST, LITTLE ROCK, 60-, CHMN. DEPT. POLIT. SCI, 62- Pulaski & Perry Counties rep, Ark. Gen. Assembly, 67- U.S.A, 55-57, Res, 57-, 1st Lt. Polit. Sci. Asn; Acad. Polit. & Soc. Sci; Bar Asn. Public law and American government; state and local area of political science. Publ: Property: recognition of rights in ideas, schemes, and plans & Domestic relations: annulment by parents when minors are above statutory marriage age, Ark. Law Rev. Address: Dept. of Political Science, Little Rock University, 33rd & University Ave, Little Rock, Ark. 72204.

LEDEBUR, DR. LARRY C(LINTON), b. Big Spring, Tex, Sept. 12, 40; m. 62; c. 1. ECONOMICS. B.S. Austin Col, 63; Nat. Defense Ed. Act fel, Fla. State, 63-66, M.S. 65, Resources for Future fel, 66-67, Ph.D.(econ), 67. ASST. PROF. ECON, DENISON, 67- Econ. Asn; World Future Soc; Asn. Evolutionary Econ. Economics of social cost and of water pollution; history of economic thought; economic development. Publ: Economics of water quality control on Lake Apopka, Urban, 12/67; Problem of social cost, J. Econ. & Sociol, 10/67. Address: 112 Chapin Place, Granville, Ohio 43023.

LEDER, DR. LAWRENCE H, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LEDERER, DR. WALTHER, b. Bielitz, Austria, June 21, 08; nat; m. 31; c. 2. ECONOMICS. Ph.D.(econ. & sociol), Heidelberg, 31. Res. asst, Heidelberg, 31-33; instr. econ, Hunter Col, 34-37; Delaware, 37-39; Queens Col, 39-42; econ. analyst, Bd. Econ. Warfare & For. Econ. Admin, 42-45; BALANCE OF PAYMENT DIV, OFF BUS. ECON, U.S. DEPT. COMMERCE, 45-53, CHIEF, 54- Econ. Asn. Publ: Co-auth, Capital formation; auth, The balance on foreign transactions: problems of definition and measurement, Int. Finance Sect, Princeton, 63; Current analysis of the U.S. balance of payments, Surv. Current Bus. Address: Apt. 822, Hunting Towers W, Alexandria, Va. 22314.

LEDERLE, PRES. JOHN W(ILLIAM), b. Royal Oak, Mich, May 26, 12; m. 38; c. 2. POLITICAL SCIENCE. A.B. Michigan, 33, A.M., 34, LL.B., 36, Ph.D. (polit. sci), 42; LL.D., Amherst Col, 63, Hokkaido, 63; Litt.D. Col. Holy Cross, 63; D.P.A., Northeastern, 64; L.H.D., Boston, 65. Instr. polit. sci, Brown, 41-44, asst. prof, 44, asst. to dean, 42-44, asst. dean, 44; asst. prof. polit. sci, Michigan, 44-48, assoc. prof, 48-50, prof, 50-60, secy, inst. pub. admin, 47-48, dir. curriculum, 48-50, dir. inst, 50-60; PRES, MASSACHUSETTS, 60- Staff attorney, Munic. League, Mich, 45-48, gen. counsel, 48-51; dir. inst. pub. admin, Philippines, 52-53; controller, Mich, 53-54; secy, State Admin. Bd, Mich, 53-54; chmn, Cmn. Interstate Coop, 53-54; secy, Gov. Cmn. Intergovt. Rels, 54-55. Consult, spec. campaign expenditures cmt, U.S. Senate, 44, 46, cmt. rules, 52; spec. campaign expenditures cmt, U.S. House Reps, 50; Mutual Security Agency, 52; Int. Coop. Admin, 60. Mem. Mass. Bd. Regional Community Cols, 60-, New Eng. Bd. Higher Ed, 61- Polit. Sci. Asn. Public administration; political parties. Address: Whitmore Hall, University of Massachusetts, Amherst, Mass. 01002.

LEDLEY, PROF. RALPH G, b. East Orange, N.J., June 6, 12; m. 42; c. 3. ECONOMICS. B.A. Columbia, 32, LL.B., 34, M.S., 35. From instr. to ASSOC. PROF. ECON, QUEENS COL.(N.Y.), 40- Lectr, grad. sch. bus, Columbia, 47-47-53; Adelphi Col, 50. U.S.A., 43-46. Am. Acct. Asn; Bar Asn; Inst. Cert. Pub. Acct. Taxation; decedents' estates; law. Publ: Pharmacists federal income tax guide; You had a tax case last month. Address: 10 Wyngate Place, Great Neck, N.Y. 11021.

LEDUC, DR. EDGAR C(LARENCE), b. Woonsocket, R.I., Nov. 25, 30; m. 58; c. 2. POLITICAL SCIENCE. B.A. Rhode Island, 58, M.A., 60; Ph.D.(govt), Indiana, 63. ASST. PROF. POLIT. SCI, PA. STATE, 63-, ACTING DIR. CENTER AIR ENVIRON. STUDIES, 67- Nat. Center Air Pollution Control res. grant, 66-68. U.S.A.F., 51-55. Polit. Sci. Asn; Statist. Asn; Air Pollution Control Asn. State and local government; American government; science and public policy. Publ: Co-auth, Manpower policies in selected air pollution control agencies, J. Air Pollution Control Asn, 4/68. Address: Dept. of Political Science, Pennsylvania State University, University Park, Pa. 16802.

LeDUC, PROF. THOMAS, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LEE, PROF. ALFRED McLUNG, b. Oakmont, Pa, Aug. 23, 06; m. 27; c. 2. SOCIAL PSYCHOLOGY, SOCIOLOGY. B.A. Pittsburgh, 27, M.A., 31; Friend fel, Yale, 31-33, Ph.D.(sociol, anthrop), 33. Sterling fel. sociol, Yale, 33-34, asst. prof, inst. human rels, 37-38; Kansas, 34-35, assoc. prof, 35-38; lectr, N.Y. Univ, 38-39, asst. prof, 39-42; prof. sociol. & anthrop, Wayne, 42-49, chmn. dept, 42-47, res. sociologist, 48-49; PROF. SOCIOLOGY & ANTHROP, BROOKLYN COL, 49-, chmn. dept, 50-57, 65-66. Marshall Field grant & vis. prof, Michigan, 47-48; vis. grad. prof, N.Y. Univ, 51-55; spec. res, Ireland, 55, 58, 61 & 66; UNESCO prof, Milan, 57-58; Fulbright sr. lectr, Rome, 60-61; lectr, univs. in Pakistan, India, Syria, Lebanon, Italy, Austria, Belgium, W.Germany, Iceland, Ireland & North. Ireland, 66-67. V-pres, Sociol. Abstracts, 66- Consult, Fed. Commun. Cmn, 41; U.S. Dept. Justice, 43-44;

U.S. Off. Ed, 47-50. Ed, Crowell Major Contrib. to Soc. Sci. Series, 59- Mem, Am. Cmt. Irish Studies; chmn. cmt. soc. sci. consult, Legal Defense & Ed. Fund, Nat. Asn. Adv. Colored People, 54-57. Fel. AAAS; fel. Sociol. Asn; fel. Anthropol. Asn; Soc. Study Social Probs.(pres, 53); fel Soc. Appl. Anthropol; Irish Texts Soc; fel. Italian Asn. Soc. Sci. Mass communications; culture and personality; urban violence. Publ: Daily newspaper in America; Race roit & Multivalent man. Address: Dept. of Sociology, Brooklyn College, Brooklyn, N.Y. 11210.

LEE, PROF. ALLEN BURRIDGE, b. New Kensington, Pa, July 7, 30; m. 55; c. 2. POLITICAL SCIENCE. A.B. Pittsburgh, 55, scholar, 55-58, M.A., 58, Ph.D.(polit. sci, econ), 59. Asst. Pittsburgh, 55-58; vis. asst. prof. POLIT. SCI, Washington & Jefferson Col, 58-59; assoc. prof. Bloomsburg State Col, 59-60; asst. prof, WASHINGTON & JEFFERSON COL, 60-63, assoc. prof, 63-67, PROF, 67- Summer vis. assoc. prof, California State Col.(Pa), 60; participant, Columbia Univ. & World Affairs Coun. Am. Assembly, world of nuclear powers, 66. Dir. bd. pub. ed, Washington-East Washington Joint Sch. Dist, 67-73. U.S.A., 51-54, S/Sgt. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. American national government, particularly public policy formulation in the area of natural resource development and conservation; European government; international relations; United States domestic water conservation politics. Publ: Kinzua dam project: a case study of the politics of flood control; Zaibatsu: the occupations successful failure, Topic, fall 63. Address: Dept. of Political Science, Washington & Jefferson College, Washington, Pa. 15301.

LEE, DR. ALVIN T. M, b. N.Dak, Apr. 22, 05; m. 35; c. 3. AGRICULTURAL ECONOMICS. B.S. N.Dak. Agr. Col, 31; M.S. Cornell, 32, Ph.D.(agr. econ), 35. Specialist, land use planning, U.S. Dept. Agr, N.J., 36-39, rep. bur. agr. econ, 40, agr. economist, land econ. div, D.C., 41-48; chief values & prices sect, agr. div, U.S. Bur. Census, 49-53; PRIN. AGR. ECONOMIST, COOP. STATE RES. SERV, U.S. DEPT. AGR, 54- Agr. Econ. Asn. Land economics; agricultural marketing. Address: 182 N. Columbus St, Arlington, Va. 22203.

LEE, A(RTHUR) EARL, Agr. Econ, see 10th ed, Soc. & Behav. Vols.

LEE, DR. ARTHUR M(ATTHIAS), b. Superior, Wis, May 22, 18; m. 39; c. 3. POLITICAL SCIENCE, AMERICAN HISTORY. B.A. Univ. Kansas City, 47, fel, 47-48, M.A., 48; fel, Syracuse, 48-50, Ph.D.(hist), 53. Instr. hist, Syracuse, 50-51; prof. soc. studies & head dept, Grand Canyon Col, 51-59; admin. asst. to U.S. Congressman from Ariz, 59-61; exec. secy, Governor of Ariz, 61-65; DIR. RES. COORD. UNIT, NORTHERN ARIZONA UNIV, 65- Consult, Secy. Interior, 58. Chmn, Ariz. State Hist. Adv. Cmt, 61- U.S.A., 43-46. Voc. Ed. Res. Asn; Tech. Ed. Asn. History of the Civil War and Revolutionary periods; history of the West; vocational education. Publ: Research for career education, Ariz. Res. Coord. Unit, 66; co-auth, Crime, juvenile delinquency, and corrective measures in Arizona, Ariz. Acad, 66; auth, Engineering and technology in Arizona, Northern Arizona Univ, 68. Address: 2151 W. Northview Ave, Phoenix, Ariz. 85021.

LEE, DEAN CALVIN B. T, b. New York, N.Y., Feb. 18, 34; m. 57; c. 2. CONSTITUTIONAL LAW, POLITICAL SCIENCE. B.A. Columbia, 55, LL.B., 58; LL.M., N.Y. Univ, 65, J.S.D., 68. Assoc. Law Firm of Emmet, Marvin & Martin, 58-61; asst. dean, Columbia Col, Columbia, 61-65; staff assoc, Am. Coun. on Ed, 66-67; asst. dir. div. col. support, U.S. Off. Ed, 67-68; DEAN COL. LIB. ARTS, BOSTON, 68- Education administration. Publ: One man, one vote, Scribner, 67; Improving college teaching, 67 & co-auth, Whose goals for American higher education, 68, Am. Coun. on Ed. Address: College of Liberal Arts, Boston University, Boston, Mass. 02215.

LEE, PROF. CHARLES EDGAR, b. U.S., Aug. 5, 02; m. 31; c. 1. ECONOMICS. B.A. Saskatchewan, 30, M.A., 31; Ph.D. Minnesota, 54. Prin. high sch, Sask, 31-35; teacher, Prince Albert Collegiate Inst, 35-38; asst. econ, Minnesota, 36-39; teacher, Va. Jr. Col, 39-42; economist, War Food Admin, U.S. Dept. Agr, 42-46; lectr. mkt, Pennsylvania, 46-49; assoc. prof. MKT, Connecticut, 49-66; VIS. PROF. BRITISH COLUMBIA, 66- Fel. Case Inst. Tech, 57; Ford Found. grant, 59. Consult, State Develop. Cmn, 56-57. Mkt. Asn. Mobile market; measurement and marketing policy; automation and modern marketing. Publ: Advertising objectives, control & the measurement controversy, Bus. Topics, Mich. State Univ, autumn 64; Measurement and the development of science and marketing, J. Mkt. Res, 2/65; A systematic approach to the measurement of advertising results, Am. Acad. Advert, 1/67. Address: 5134 Pitcairn Place, West Vancouver, B.C., Can.

LEE, DR. DAVID R(AYMOND), b. Salt Lake City, Utah, Dec. 31, 37; m. 62; c. 2. GEOGRAPHY. B.A. Chico State Col, 60; M.A., Ohio State, 62; Ph.D. (geog), California, Los Angeles, 67. Asst. GEOG, Ohio State, 60-62; California, Los Angeles, 62-64; vis. lectr, Khartoum, 64-66; ASST. PROF. CALIFORNIA, DAVIS, 66- U.S.A.R., 56-62. Asn. Am. Geog; Am. Geog. Soc; Mid. East Studies Asn. Study of the rural landscapes of Africa and the Middle East. Publ: Date cultivation in the Coachella Valley, California, Ohio J. Sci, 63; Geography of rural settlement in Sudan, Geog. Mag. Sudan, 65. Address: Dept. of Geography, University of California, Davis, Calif. 95616.

LEE, DR. DOROTHY D(EMETRACOPOULOU), b. Constantinople, Turkey, July 20, 05; nat; m. 33; c. 4. ANTHROPOLOGY. A.B. Vassar Col, 27; Ph.D. (anthrop), California, 31; Kiel, 33-34. Instr. anthrop, Washington (Seattle), 31-32; Sarah Lawrence Col, 32-33; from lectr. to prof, Vassar Col, 39-53; Merrill-Palmer Sch, 53-59; lectr. anthrop. & res. anthropologist, health serv, Harvard, 59-62; teaching & field work existential anthropology, 62- Conceptual implications of language-induced change. Publ: Freedom and culture; Being and value in primitive culture, J. Philos; Lineal and non-lineal codifications of reality, Psychosom. Med; Autonomy and community, Humanitas II. Address: Yelping Hill, West Cornwall, Conn. 06796.

LEE, DR. ELIZABETH BRIANT, b. Pittsburgh, Pa, Sept. 9, 08; m. 27; c. 2. SOCIOLOGY. B.A. Pittsburgh, 30, M.A., 31; Ph.D.(sociol), Yale, 37. Lectr. sociol, Wayne, 43-46; Brooklyn Col, 49-50; Hartford Sem. Found, 51-53; vis. assoc. prof. & acting chmn. dept, Connecticut Col, 53-54; RESEARCH &

WRITING, 54- Co-dir, Irish Res. Proj, City Univ. New York, 65-; consult, W.Sicilian Res. Proj, Univ. Rome, 66- Sociol. Asn; Soc. Study Social Probs. Family life; Irish and Italian culture; juvenile delinquency. Publ: Co-auth, Fine art of propaganda, Social problems in America & Marriage and the family. Address: 100 Hemlock Rd, Short Hills, N.J. 07078.

LEE, PROF. EUGENE CANFIELD, b. Berkeley, Calif, Sept. 19, 24; m. 53; c. 2. POLITICAL SCIENCE. B.A. California, Los Angeles, 46, M.A. 50, Ph.D. 57. Asst. to city mgr, San Leandro, 48-50; pub. admin. analyst, Bur. Pub. Admin, California, 50-53; exec. asst. to Democratic cand. gov, Richard Graves, 54; from lectr. to ASSOC. PROF. POLIT. SCI, CALIFORNIA, BERKELEY, 55-, DIR. INST. GOVT. STUDIES, 67-, from asst. to assoc. dir, 59-64, asst. to pres, univ, 55-59. Rockefeller grant res. polit. scientist, inst. pub. admin, Univ. Col. Dar es Salaam, 63-64. Consult, League of Calif. Cities, 59-63; participant & consult, UN Econ. Cmn. Africa, Addis Ababa, Ethiopia, 66. Chmn, Cmn. Calif. State Govt. Orgn. & Econ, 61-63; mem, Calif. Fair Campaign Practices Cmt, 62- Summer staff asst, Pub. Admin. Serv, Berkeley, Calif. & Los Alamos, N.Mex, 48. Polit. Sci. Asn; Soc. Pub. Admin. State and local government and politics; administration of higher education. Publ: The politics of nonpartisanship: a study of California city elections, Univ. California Press, 60; Local government taxation in Tanganyika, Inst. Pub. Admin, Univ. Col. Dar es Salaam, 64, Univ. California, 65; The California governmental process, Little, 66. Address: Institute of Governmental Studies, 109 Moses Hall, University of California, Berkeley, Calif. 94720.

LEE, PROF. EVERETT S(PURGEON), b. Raines, S.C, Dec. 31, 19; m. 50; c. 2. SOCIOLOGY. Harrison fel, Pennsylvania, 49-50, Ph.D.(sociol), 52; Soc. Sci. Res. Coun. fel, 50. Asst. prof. sociol, Pennsylvania, 54-66; PROF. SOCIOL. & ANTHROP. & DEPT. HEAD, MASSACHUSETTS, 66- Consult, N.Eng. Bd. Higher Ed, 67-; U.S. Pub. Health Serv. Mem, Nat. Cmt. Vital & Health Statist, 65- U.S.A., 45-46, 50-52, Lt. Sociol. Asn; Statist. Asn; Pop. Asn. Am.(pres-elect, 68-); Am. Eugenics Soc.; Int. Union Sci. Study. Migration; historical demography. Publ: Co-auth, Migration and mental disease; Population redistribution and economic growth, United States, 1870-1950, Am. Philos. Soc, 57. Address: 203 Rolling Ridge Rd, Amherst, Mass. 01002.

LEE, DR. FLORENCE HENRY, b. New Brunswick, N.J, May 21, 10; m. 43; c. 2. EDUCATIONAL PSYCHOLOGY. A.B. Rutgers, 29, M.A. 32, Ed.D.(ed. psychol), 43; dipl. & M.A. Columbia, 40. Cleric, univ. library, Rutgers, 29-30; parish secy. & dir. relig. ed, Christ Church, N.J. 30-35; teacher, Hamilton Sch, N.J., 35-42, psychologist, pub. schs, 42-43; lectr. ED. PSYCHOL, DOUGLASS COL, RUTGERS, 49-57, ASSOC. PROF, 57-, COORDINATOR TEACHER ED, 66- Psychol. Asn; Ed. Res. Asn. Learning theory; techniques of predicting teaching ability and measurement of success of pre-service teacher-training programs. Publ: Ed. Principles and practices of teaching in secondary schools—a book of readings, McKay, 65; auth, Implications of research in selection of teacher training candidates; co-auth, Differences in reading interests related to differences in sex and intelligence level, Elem. Sch. J. Address: Cooper Hall, Room 2, Douglass College, Rutgers, The State University, New Brunswick, N.J. 08901.

LEE, DR. FRANCIS J(OSEPH), Psychol, see 10th ed, Soc. & Behav. Vols.

LEE, PROF. FRANK F, b. New York, Mar. 19, 20; m. 48; c. 3. SOCIOLOGY. B.A. Yale, 43, M.A. 47, Ph.D.(sociol), 53. Publicity dir, Fisk, 48-50; asst. prof. SOCIOL, Northeastern, 52-54; California, Riverside, 54-60; assoc. prof. & chmn. dept, Adelphi, 60-63; Oakland, 63-64; PROF. & CHMN. DEPT, NORTHEASTERN, 64- U.S.N., 43-46, Lt. Sociol. Asn; Soc. Study Social Probs.(bus. mgr. & treas, 61-65, v.pres, 65-66); Soc. Appl. Anthropol; Asn. Intergroup Rels. Officials. American minority groups, especially the Negro and Mexican; Latin American institutions. Publ: Negro and White in Connecticut Town; Race relations pattern by areas of behavior in a small New England town, Am. Soc. Rev; Social controls in the race relations pattern of a small New England town, Soc. Forces. Address: 271 Glen Rd, Weston, Mass. 02193.

LEE, DR. GEORGE A, b. New York, N.Y, Aug. 3, 29; m. 51; c. 1. SOCIOLOGY. B.A. Washington (St. Louis), 49; B.D. McCormick Theol. Sem, 52; M.A. Wisconsin, 55; Ph.D.(sociol), Pa. State, 58. Assoc. dir. soc. sci. res, United Presby. Church, 58-64; ASSOC. PROF. SOCIOL, MUHLBERG COL, 64- Sociol. Asn. Urban and metropolitan analysis of medium-sized cities; minority group relations; symbolic interaction as it relates to the study of communities; sociology of religion. Publ: Negroes in a medium sized metropolis, J. Negro Ed, (in press). Address: Dept. of Sociology, Muhlenberg College, Allentown, Pa. 18104.

LEE, GILBERT B(ROOKS), b. Cohasset, Mass, Sept. 10, 13; m. 43; c. 4. PSYCHOLOGY. B.A. Reed Col, 46; M.A. New Sch. Soc. Res, 49. Asst. psychol, U.S. Naval Med. Res. Lab, Submarine Base, New London, Conn, 50-53; inspector, Elec. Boat Co, Gen. Dynamics Corp, Groton, 52-54; asst. psychol, vision res. labs, MICHIGAN, 54-55, Willow Run, 55-57, RES. ASSOC, 57-58, OPHTHAL, U.S. PUB. HEALTH SERV. RES. GRANT, UNIV. HOSP, 58- C.Eng, 42-46, 61-62, Capt. Psychol. Asn; Optical Soc; N.Y. Acad. Sci. Instruments for the clinical measurement of retinal function; differential foveal cone and receptor system sensitivity change with eye disease; search for behavioral signs of x-chromosome carrier state. Publ: Co-auth, Enigma of typical total monochromacy, Am. J. Ophthalmol, 50:996-1012; Some visual characteristics of Oguchi's Disease, Documenta Ophthalmologica, 66; auth, Luminosity curve differences among subjects with normal color vision; Annual Meeting, Optical Soc. Am, 66. Address: 901 Edgewood, Ann Arbor, Mich. 48103.

LEE, DR. HAMILTON H. T, b. Chowhsien, China, Oct. 10, 21; m; c. 4. INSTRUCTIONAL TECHNOLOGY, EDUCATION. B.A. Nat. Peiping Teachers Univ, China, 48; M.A. Minnesota, Minneapolis, 58; Ed.D.(instructional tech), Wayne State, 64. Teacher, high sch, Taiwan, 48-58; res. assoc. instructional tech, audio-visual utilization center, Wayne State, 58-64; asst. prof. AUDIO-VISUAL ED, Moorhead State Col, 64-65; assoc. prof. Wis. State, La Crosse, 65-66; PROF, EAST STROUDSBURG STATE COL, 66- Resources Develop. Corp. seminar fel, 64. Summers, vis. prof. & dir. lang. lab, lang. inst.

Seton Hall, 64; vis. scholar, Harvard, 65-66, participant seminar mod. Sweden, Uppsala, 67. Programmed learning; human communications. Publ: English structure, Unit I & II, Prog. Learning of London, Can, in press; Design and development of programmed materials for secondary English teaching in Taiwan with implications for future technological development in instructional procedures, Univ. Microfilms, 64. Address: Dept. of Education & Psychology, East Stroudsburg State College, East Stroudsburg, Pa. 18301.

LEE, DR. HANS E(RLING), b. Toledo, Ohio, Nov. 6, 31; m. 56; c. 2. COMPUTER SCIENCE, SOCIOLOGY. A.B. Michigan, 53; A.M. Iowa, 55; A.M. California, Berkeley, 61; Ph.D.(sociol), Stanford, 67. ASST. PROF. sociol, St. Louis, 65-66; COMPUT. SCI. & SOCIOL, MICH. STATE, 66- U.S.N., 55-57. AAAS; Inst. Elec. & Electronics Eng; Sociol. Asn; Asn. Comput. Mach; Inst. Math. Statist; Statist. Asn. Experimentation-formalization-theory construction as an approach to study of inductive inference; problems of man in a technological society. Publ: Conditional response scaling, 68. Address: Dept. of Sociology, Michigan State University, East Lansing, Mich. 48823.

LEE, HARRY HERBERT, Econ, Statist, see 10th ed, Soc. & Behav. Vols.

LEE, DR. HONG Y(ONG), b. Seoul, Korea, Aug. 24, 34; m. 61; c. 2. AGRICULTURAL ECONOMICS, STATISTICS. B.S. Cent. Mo. State Col, 59; M.S. Okla. State, 62, Ph.D.(agr. econ), 67. Instr. math. & agr. econ, TEX. TECH. COL, 63-64, asst. prof. AGR. ECON, 64-68, ASSOC. PROF, 68- Consult, Tex. Agr. Res. Assocs, Inc, 65- Economet. Soc; Agr. Econ. Asn; Statist. Asn; Econ. Asn. Economics of cattle and calves of the United States; marketing of agricultural commodities; quantitative analysis of problems in agricultural economics. Publ: Disaggregation of national data on cattle and calves for regional analysis, Okla. State Univ, 67; co-auth, The Texas beef industry: production and meat-packing potentials, Tex. Bus. Rev, 9/65 & A view of the cattle industry to 1975, West. Livestock J, 66. Address: Dept. of Agricultural Economics, Texas Technological College, Lubbock, Tex. 79409.

LEE, PROF. IVAN M(ARION), b. Newburg, Iowa, Aug. 13, 17; m. 40; c. 2. AGRICULTURAL ECONOMICS. B.S. Iowa State, 41, Ph.D.(agr. econ), 47. Instr. AGR. ECON, CALIFORNIA, BERKELEY, 47-48, asst. prof, 49-53, assoc. prof, 54-59, PROF, 60- U.S.N.R., 43-46, Lt.(g). AAAS; Econ. Asn; Statist. Asn; Economet. Soc; Agr. Econ. Asn. Econometric analyses bearing on agricultural economic and economic problems. Address: Dept. of Agricultural Economics, University of California, Berkeley, Calif. 94720.

LEE, PROF. JAMES A(NDREW), b. Hickman, Ky, Nov. 11, 21; m. 49; c. 2. PSYCHOLOGY. A.B. Kentucky, 50; M.A. Wayne State, 52; scholar, Purdue, 55-56, Ph.D.(psychol), 56. Asst. psychol, Wayne State, 50-52; psychol. consult, pub. sch, Mich, 53-54; asst. psychol, Purdue, 54-55; intern, Vet. Admin, 55-56; asst. prof, Springfield Col, 56-57; chief psychologist, Erie County Guid. Center, 57-63; asst. prof. PSYCHOL, Wisconsin State, Stevens Point, 63-64, assoc. prof, 64-67; PROF. & CHMN. DEPT, EASTERN KENTUCKY, 67- Instr, Bowling Green State, 61-62; staff psychologist, Henry Ford Hosp, 52-54. Consult. psychologist, 60-; State-Fed. Demonstration Proj. Voc. Rehab. Wis, 64-67. U.S.N., 43-45. Psychol. Asn. Clinical treatment and diagnosis; theory of personality; theory of learning; cultural expression of personality dynamics; personality, lecture style and teaching—learning effectiveness; neurophysiological activation patterns and attention-intention phenomena. Address: Dept. of Psychology, Eastern Kentucky University, Richmond, Ky. 40475.

LEE, JAMES STEWART, b. Washington, D.C, Sept. 18, 19; m. 43; c. 3. GEOGRAPHY, CARTOGRAPHY. B.A. Illinois, 40; Clark, 40-41; fel, Washington (Seattle), 41; Indust. Col. Armed Forces, 63. Geog. & cartog. specialist, New York Off, U.S. War Dept, 41-44, Off. Chief Staff, D.C., 44-45, Off. Strategic Serv, 45; econ. & indust. intel. res. specialist, Off. Chief Staff, U.S. Dept. Army, 46-50; air intel. specialist, air targets div, U.S. Dept. Air Force, 50-62; INTEL. RES. SPECIALIST, TARGET INTEL. DIV, U.S. DEPT. DEFENSE, 63- Lectr. & seminar leader, U.S. Dept. Defense Schs, Coles. & Overseas Units, 47-; hon. mem. faculty, U.S. Army Intel. Sch, Ft. Holabird, Md, 66- Mem. arrangements cmt, Cong. Int. Geog. Union, 52; U.S. del. Int. Prod. Conf, Eng, 55. Civilian serv. awards, U.S. War Dept, 42 & U.S. Dept. Air Force, 62. U.S.A.F.R., 48-, Lt. Col. Asn. Am. Geog; fel. Am. Geog. Soc. Economic geography and cartography, especially application to military requirements. Address: 6813 Felix St, McLean, Va. 22101.

LEE, DR. JOAN C(OOK), b. Louisville, Ky, July 19, 29; m. 51; c. 3. PSYCHOLOGY. A.B. Kentucky, 51, M.A. 56, Ph.D., 61. Instr. psychol, Kentucky, 58-61; asst. prof, Howard, 61-62; res. psychologist, Ky. Ment. Health Found, 62-64; CONSULT. PSYCHOLOGIST, PSYCHOL. ASSOCS, 64- Lectr, Ky. State Col, 66-; prog. evaluator, Peace Corps, 67-68. AAAS; Psychol. Asn. Poverty and human resources; operational research; tests and measurement. Publ: Co-auth, An investigation of clinical judgement: a study in method, J. Abnorm. & Soc. Psychol, 64; 272-280, Time error in the judgement of humor, Psychol. Reports, 11: 410 & Mental status schedule: comparing Kentucky and New York schizophrenics, Arch. Gen. Psychiat, 12: 448-455. Address: 161 Woodland Ave, Lexington, Ky. 40502.

LEE, DR. JOE WON, b. Korea, Apr. 29, 21; m. 64; c. 1. ECONOMICS, BUSINESS ADMINISTRATION. B.A. Pusan, Korea, 52, M.B.A., 56; M.A. Ball State, 57; D.B.A. Indiana, 62. Instr. bus. Pusan, Korea, 52-55, asst. prof, 55-58; statistician, Nat. Planning Asn, D.C., 61-62, economist, 62-63; res. assoc. develop. econ, int. develop. res. center, Indiana Univ, 63-64; res. assoc. planning, appl. econ. dept, Cambridge Univ, 64-65; SR. ECONOMIST, NAT. PLANNING ASN, 65- Econ. Asn. Economic development and planning; national and subnational areas economic and demographic projections. Publ: Planning efforts for economic development in South Korea, In: The patterns of economic development, Korean Res. & Pub, Kalamazoo, Mich, 66. Address: National Planning Association, 1606 New Hampshire Ave. N.W., Washington, D.C. 20009.

- LEE, DR. KIE BOK, b. Fuse, Japan, Feb. 22, 32; m. 65; c. 1. ECONOMICS. B.A. California, Berkeley, 58; M.S. Fla. State, 60; Ph.D.(econ), Virginia, 67. Instr. ECON, SKIDMORE COL, 63-67, ASST. PROF, 67- Econ. Asn; Statist. Asn. Problems of economic development in East Asian countries, especially Japan, South Korea, Taiwan and South Viet-Nam. Address: 113 Regent St, Saratoga Springs, N.Y. 12866.
- LEE, DR. KUO-WEI, b. Hunan, China, Mar. 20, 25; m. 61; c. 1. POLITICAL SCIENCE. B.L. Nat. Chengchi Univ, 49; M.A. Oregon, 59, Ph.D.(polit. sci), 66; Washington (Seattle), 59-60. Personnel staff, Taiwan Agr. & Forestry Corp, China, 49-52; interpreter, Maag Aviation Eng. Team, Chinese Air Force, 52-55; secy, Planning Cmn, China, 55-57; asst. prof. POLIT. SCI, Idaho State, 67; ASSOC. PROF, EAST TEXAS STATE, 67- Polit. Sci. Asn. Comparative public administration; political elites of new nations; political behavior. Address: Dept. of Political Science, East Texas State University, Commerce, Tex. 75428.
- LEE, DR. LUKE T, Int. Law & Rel., see 10th ed, Soc. & Behav. Vols.
- LEE, DR. MARILYN C(AIRNS), b. Middletown, N.Y., Jan. 2, 28; m. 55. PSYCHOLOGY. B.A. Cornell, 49; M.A. Minnesota, 51; Ph.D. Illinois, 56. Asst. psychol, Minnesota, 49-50; res. psychologist, U.S. Air Force Personnel & Training Res. Center, U.S. Dept. Air Force, Lackland Air Force Base, 50-51, prnl. assoc. & tech. consult, Air Force European biosci. res. prog, behav. sci. div, off. sci. res, 56-59; asst. personnel training res, Illinois, 51-54; assoc. ed, test dept, Sci. Res. Assocs, 54-55, assoc. dir, psychol. test develop. & res, res. & develop. dept, 59-61; proj. dir. psychomet. Inst. Juvenile Res, Dept. Ment. Health, Ill, 61-62; sr. consult, Nelson Assocs, Inc, 62-64; pres. psychol. res, Behav. Studies, Inc, 64-66; SR. RES. ASSOC. PSYCHOMET. PSYCHOL. CORP, 66- Psychomet. Soc; Psychol. Asn. Psychometrics; personnel selection and training; multivariate methods of prediction; psychotherapy. Publ: Co-auth, Pattern analysis: the configural approach to predictive measurement, Psychol. Bull. & Use of the square-root method to identify factors in the job performance of aircraft mechanics, Psychol. Monographs; auth, Interactions, configurations and nonlinear models, Ed. & Psychol. Measurement, 61. Address: Test Division, Psychological Corp, 304 E. 45th St, New York, N.Y. 10017.
- LEE, PROF. MARVIN ELIHU, b. New Haven, Conn, May 5, 25; m. 53; c. 1. ECONOMICS. B.A. California, 50; Columbia; Abernethy fel, North Carolina, 57-58, Ph.D. 61. Instr. econ, North Carolina, 55-59, soc. sci. 59-60; asst. prof. ECON, Hofstra Col, 61-63; ASSOC. PROF, SAN JOSE STATE COL, 63- Fel, Inter-Univ. Cmt. Develop. of the South, 58-59. Consult, joint cmt. higher ed, Calif. Legis, 66- Ed, Calif. State Develop. Plan Prog, 67-68. U.S.A. 43-46. Econ. Asn. Economic development and history; economics of education; taxation of petroleum producing properties in California. Publ: Tax incentives and the industrialization of the southeast, Proc. J. Nat. Tax Assn. Address: Dept. of Economics, San Jose State College, San Jose, Calif. 95114.
- LEE, DEAN MAURICE W(ENTWORTH), b. Chicago, Ill, Mar. 30, 21; m. 36; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. B.S. Ill. Inst. Tech, 33; Ph.D. Chicago, 39. Asst. & instr, Chicago, 35-38; from asst. prof. to assoc. prof, Utah State, 38-41; economist & exec. asst. to adminstr, Off. Price Admin, D.C. 41-47; prof. & dean sch. econ. & bus, Washington State, 47-56; PROF. ECON. & DEAN GRAD. SCH. BUS. ADMIN, NORTH CAROLINA, 56- Mem. bd. dirs, Joint Coun. Econ. Ed, 58-62, bd. trustees, 60-; bd. dirs. Nat. Bur. Econ. Res, 58-, exec. cmt, bd. dirs, 66-; selection cmt, Assoc. Res. Coun, 59-; faculty selection cmt, Brookings Inst, 59- Econ. Asn; Statist. Asn; Economet. Soc; Nat. Fedn. Financial Anal. Macroeconomics. Publ: Growth and stability; Toward economic stability, Wiley, 67; Economic fluctuations, growth and stability, Irwin, 4th ed, 67. Address: Graduate School of Business Administration, University of North Carolina, Chapel Hill, N.C. 27514.
- LEE, DR. MURRAY G(ORGE), Econ, see 10th ed, Soc. & Behav. Vols, deceased 65.
- LEE, DR. OLIVER M(INSEEM), b. Shanghai, China, Dec. 7, 27; U.S. citizen; m. 50; c. 3. POLITICAL SCIENCE. B.A. Harvard, 51; Hopkins, 51-52; M.A. Chicago, 55, Ph.D.(int. rels), 62. Instr. gov't & polit, Maryland, 58-62; Far Eastern analyst, legis. reference serv, Library Cong, 62-63; ASST. PROF. POLIT. SCI, HAWAII, 63- U.S.A.R. 57-58. Polit. Sci. Asn; Asn. Asian Studies. Construction and empirical testing of a theoretical model of Communist China's foreign policy, especially hypothesizing the identity of and assigning weights to the regime's fundamental goals. Publ: Communist China and Western Europe, Current Hist, 9/64; Communist China's policy toward Japan, East-West Center Rev, 10/64; The myth of Chinese aggression, The Nation, 11/67. Address: Dept. of Political Science, University of Hawaii, Honolulu, Hawaii 96822.
- LEE, PROF. RAYMOND L(AWRENCE), b. Deckerville, Mich, May 27, 11; m. 39; c. 3. POLITICAL SCIENCE. A.B. Eastern Michigan, 37; A.M. Michigan, 39, Ph.D. 46. Prof. hist. & polit. sci, Stephens Col, 46-53; PROF. HIST. & POLIT. SCI, INDIANA UNIV. PA, 53-, COORDINATOR SOC. SCI. DIV, 66-, head soc. sci. dept, 54-66. Summers, prof, Wis. State Teachers Col.(Whitewater), 47, Missouri, 52. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Economic history of colonial Mexico; government agricultural policy in the contemporary United States; American national government; public opinion. Publ: Contemporary social issues, Crowell, 53; co-auth, American government: the clash of issues, Prentice-Hall, 60, 63, 68 & Study guide for American government, U.S. Armed Forces Inst, Vols. I & II, 65 & 67. Address: Social Science Division, Indiana University of Pennsylvania, Indiana, Pa. 15701.
- LEE, DR. RICHARD B(ARRY), b. New York, N.Y., Sept. 20, 27; Can. citizen; m. 66. ANTHROPOLOGY. B.A. Toronto, 59, M.A. 61; Ph.D.(anthrop), California, Berkeley, 65. Res. asst. anthrop, Center Adv. Study Behav. Sci, 62-63; res. anthropologist, HARVARD, 63-65, lectr. anthrop, 65-67, RES. FEL. SOC. RELS, 67- Co-prin, investr, Nat. Inst. Ment. Health res. grant, 67-70. Fel. Anthropol. Asn; fel. African Studies Asn. Human ecology; anthropological economics, hunting and gathering societies; primate behavior and evolution. Publ: Co-ed, Man the hunter, Aldine, 68. Address: Dept. of Social Relations, Harvard University, Cambridge, Mass. 02138.
- LEE, DR. ROBERT D, JR, b. Detroit, Mich, Jan. 14, 39; m. 66; c. 1. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A. Wayne State, 60; M.A. Syracuse, 63, Ph.D.(polit. sci), 67. ASST. PROF. POLIT. SCI. & PUB. ADMIN, PA. STATE, 67- U.S.A. 56-57, Res, 56-63. Polit. Sci. Asn; Soc. Pub. Admin. Urban political and public administration systems; educational decision-making. Address: Dept. of Political Science & Public Administration, Pennsylvania State University, University Park, Pa. 16802.
- LEE, PROF. ROSE HUM, Sociol, see 10th ed, Soc. & Behav. Vols, deceased 64.
- LEE, PROF. SHU-CHING, b. Fengcheng, China, Nov. 29, 07; m. 47; c. 1. SOCIOLOGY. B.A. Nat. Tsing Hua Univ, Peiping, China, 35; M.A. Wisconsin, Madison, 38; fel, Chicago, 47-50, Ph.D.(sociol), 50. Asst. prof. SOCIOL, Oregon, 52-53; Washington (St. Louis), 53-56; res. assoc, Chicago, 56-58; assoc. prof, Southeast Mo. State Col, 58-63; SOUTH DAKOTA, 63-65, PROF, 65- Res. grants, Am. Philos. Soc, 51-52, Nat. Inst. Ment. Health, 54-55. Sociol. Asn; Nat. Coun. Family Rel.; Pop. Asn. Am. Marriage and the family; human ethology; Hutterianism and the Hutterite colonies in North America. Publ: China's traditional family, its characteristics and disintegration, Am. Sociol. Rev, 6/53; The primary group as Colley defines it, Sociol. Quart, winter, 54-55; Marriage under a monastic mode of life: a preliminary report on Hutterite family in South Dakota, J. Marriage & Family, 8/67. Address: 908 Valley View Dr, Vermillion, S.Dak. 57069.
- LEE, DR. SOON-WON, b. Pyungyang, Korea, Sept. 7, 35; m. 64; c. 1. POLITICAL SCIENCE. B.A. Westminster Col.(Pa), 59; M.A. Rutgers, 60, Free Europe Cmt. fel, 60-61, Louis Bevier fel, 62-63, Ph.D.(polit. sci), 67. Asst. to rev. ed, J. Asian Studies, 62-63; instr. POLIT. SCI, MUHLENBERG COL, 63-66, ASST. PROF, 66- Am. Philos. Soc. res. & travel fel, 66-67; Muhlenberg Col. rep. to E.Asia Studies Prog. Five Col. Consortium, 66-67. Asn. Asian Studies; Polit. Sci. Asn. Publ: Syngman Rhee, Encyclop. Americana, 63; co-auth, Japanese imperialism and aggression: reconsidered, J. Asian Studies, 63. Address: 3949 Wordsworth St, Allentown, Pa. 18104.
- LEE, PROF. STEWART M(UNRO), b. Beaver Falls, Pa, Aug. 7, 25; m. 47; c. 1. ECONOMICS, BUSINESS ADMINISTRATION. A.B. Geneva Col, 49; M.A. Pittsburgh, 50, Ph.D. 56. Lectr. econ, GENEVA COL, 49-50, instr. ECON. & BUS. ADMIN, 50-51, asst. prof, 51-57, PROF. & CHMN. DEPT, 58- Summers, vis. prof, Wisconsin, 63 & 65, N.Y. Univ, 64, Kansas State, 64-67, Missouri, 67. Summer consult, Fed. Trade Cmn, 66. U.S.N. 43-46. Econ. Asn; Mkt. Asn; Coun. Consumer Info.(pres, 62-63, ed, Newsletter, 59-). Consumer economics; resale price maintenance; discount store selling. Publ: Co-auth, Economics for consumers, Am. Book Pub, 67; auth, Consumers look at discount houses; The impact of fair trade laws on retailing, J. Retailing, spring 65. Address: Dept. of Economics & Business Administration, Geneva College, Beaver Falls, Pa. 15010.
- LEE, DR. WALTER SIDNEY, b. Springfield, Mo, July 28, 33; m. 57; c. 1. PSYCHOLOGY. A.B. California, Los Angeles, 63 & Ed.D.(ed. psychol), 67; M.A. Pepperdine Col, 64. Jr. design engr, N.Am. Aviation, 56-58; facilities rep. eng. design, Space Tech. Labs, 58-60; res. asst, Pepperdine Col. & California, Los Angeles, 60-67; PSYCHOLOGIST, TAMALPAIS UNION HIGH SCH. DIST, 67- Lectr, San Francisco State Col, 68- U.S.A.F. 50-54. Psychol. Asn. Increasing teacher effectiveness and student learning by developing increased self-awareness, interpersonal sensitivity, behavioral flexibility and communication skills through the use of intensive small group techniques with teachers, students and parents. Publ: The effectiveness of sensitivity training in an inservice teacher-training program in human relations, Dissertation Abstracts, Vol. XXVIII, No. 5, 67. Address: 15 Manzanita Ave, San Rafael, Calif. 94901.
- LEE, DR. WAYNE A(USTIN), b. Rigby, Idaho, Apr. 25, 17; m. 43; c. 5. AGRICULTURAL ECONOMICS. B.S. Idaho, 38; M.S. California, 39; Ph.D.(agr. econ), Cornell, 42. Agr. economist, U.S. Dept. Agr, 46; prof. mkt. Pa. State, 47-60; from pres. distribution res. div. to GROUP V.PRES, MKT. RES. CORP. OF AM, 60- U.S.A.A.F. 42-45, Lt. Mkt. Asn. Marketing. Publ: Ways to sell more food, Farm J; co-auth, Profit maximization and margins in the retailing of perishables, J. Mkt. & Competition and kinked functions in the marketing of perishables, South. Econ. J. Address: Marketing Research Corp. of America, 122 E. 42nd St, New York, N.Y. 10017.
- LEE, DR. WILLIAM A(LLEN), Exp. Psychol, see 10th ed, Soc. & Behav. Vols.
- LEEBRICK, DR. K(ARL) C(LAYTON), b. Burlington, Iowa, Oct. 20, 85. GOVERNMENT. B.S. California, 11, M.S. 13, Native Sons Golden West traveling fel, Spain, 15-16, Ph.D. 16; L.H.D. Chaminade Col, 67; LL.D. Arizona State, 67. From instr. to asst. prof. mod. European hist, California, 18-20; prof. polit. sci. & hist. & head dept, Hawaii, 20-28; acting prof, int. affairs, sch. citizen pub. affairs, Syracuse, 28-29, prof, 29-38, dean col. lib. arts, 29-38; pres, Kent State, 38-43; v.pres, Hawaii, 46-53, prof. govt. & vet. adv, 47-49; pres, MAUNAOLU COL, 53-67, EMER. PRES, 67- Asst. to polit. adv, Supreme Comdr. Allied Powers, Japan, 45. Exec. secy, Nat. Conf. Ed. Reclamation & Recreation, Hawaii, 26; mem, Inst. Pac. Rel. Studies of Ke Alii Pauahi, 67. U.S.A. 43-45, Lt. Col. Polit. Sci. Asn; Am. Soc. Int. Law; Acad. Polit. Sci; Hist. Asn. Implications of the annexation of Hawaii; reeducating citizens in world affairs; politics and education. Address: R.R. 1, Box 514, Makawao, Maui, Hawaii 96768.
- LEECHMAN, DR. DOUGLAS, b. London, Eng, Dec. 20, 90; m. 28. ANTHROPOLOGY. B.Sc. Ottawa, 37, M.A. 39, Ph.D.(anthrop), 40. Anthropologist, Nat. Mus. Can, 24-55; dir, Glenbow Found, 55-57; CONSULT. ANTHROPOLOGIST, 57- Res. assoc, dept. ling, Victoria (B.C), 67. Can. Army, 14-19. Anthropol. Asn; Soc. Am. Archaeol; Royal Soc. Can. Anthropology of Canada; migration routes; Dorset Eskimo culture. Publ: Technical methods in the preservation of specimens; Native tribes of Canada; Vegetable dyes. Address: 2078 Marne St, Victoria, B.C. Can.

LEED, PROF. THEODORE W(ILLIAM), b. Canton, Ohio, Feb. 11, 27; m. 49; c. 3. AGRICULTURAL ECONOMICS. B.Sc. Ohio State, 50, M.Sc. 51, Ph.D. (agr. econ), 57. Asst. agr. econ, Ohio State, 50-54, exten. specialist agr. mkt. 54-57; PROF. FOOD MKT., MASSACHUSETTS, AMHERST, 57- Consult, Gen. Foods Corp, 62-; Super Mkt. Inst, 66-; Midwest. Frozen Food Assn, 67- U.S.A., 45-46. Mkt. Assn; Food Distribution Res. Soc. Improved operating practices; economic and management phases of food distribution; marketing research with food processors, wholesalers and retailers. Publ: Correspondence course in frozen food, handling and merchandising, Gen. Foods Corp, 63; co-auth. A systems analysis and scheduling procedure for retail food firms, 65 & An economic analysis of competitive strategy and sales in the supermarket industry, 66, Univ. Massachusetts, 66. Address: Dept. of Agriculture & Food Economics, University of Massachusetts, Amherst, Mass. 01002.

LEEDS, PROF. ANTHONY, b. New York, N.Y., Jan. 26, 25; m. 48, 67; c. 3. ANTHROPOLOGY. B.A., Columbia, 49, Ph.D., 57. Teacher, Baldwin Sch, N.Y., 54-56; instr. anthrop. & sociol., Hofstra Col., 56-59; asst. prof., City Col. New York, 59-61; res. specialist anthrop., Pan Am. Union, 61, chief prog. urban develop., 61-63; assoc. prof. ANTHROP., TEXAS, AUSTIN, 63-66, PROF., 66- Lectr. City Col. New York, 56-59; Columbia, 53-54, 59-60; Catholic Univ., 61-62; prog. vis. lectr., Am. Assn. Anthropol.-Nat. Sci. Found., 63- Chief eval. team, Brazil community develop. proj., U.S. Agency Int. Develop., 66, tech. consult., summer, 66. Mem. joint cmt. develop. indust. res., Nat. Acad. Sci.-Nat. Res. Coun.-Nat. Coun. Res. Brazil, 66-68. AAAS (secy. anthrop. sect., 65-69); Anthropol. Assn; Ethnol. Soc.; Soc. Ethnomusicol.; Soc. Sci. Study Relig.; Soc. Hist. Tech.; Soc. Am. Archaeol.; Royal Anthropol. Inst. Homeostatic and dynamic analysis of total culture systems contribution to cultural evolution, especially structural systemics and systematics; complex social and ecological systems. Publ: Co-ed, Man, culture and animals, Am. Assn. Adv. Sci., 65; ed, Social structure and mobility with special reference to Latin America, Pan. Am. Union, 67; auth., Brazilian careers and social structure, Am. Anthropologist, 64. Address: 3212 French Place, Austin, Tex. 78722.

LEEDS, DR. CARROLL H(ENRY), b. Peabody, Kans., Nov. 23, 06; m. 30; c. 2. PSYCHOLOGY. A.B., Illinois, 31; M.A., Texas, 32; Ph.D.(ed. psychol.), Minnesota, 46. Instr. psychol. & ed., Westminster Col.(Pa.), 41-43, asst. prof., 43-44, prof. & head dept., 44-46; PROF. PSYCHOL. & HEAD DEPT., Miss. State Col. Women, 46-47; FURMAN, 47- Fel. Psychol. Assn. Attitude measurement; teacher personality. Publ: Scale for measuring teacher-pupil attitudes and teacher-pupil rapport, Psychol. Monogr.; Second validity study of the Minnesota teacher attitude inventory, Elem. Sch. J.; Teacher behavior liked and disliked by pupils, Education. Address: Dept. of Psychology, Furman University, Greenville, S.C. 29613.

LEEDY, FREDERICK A(ARON), Demog, see 10th ed, Soc. & Behav. Vols.

LEEDY, PROF. RUSSELL WAGNER, b. Knox County, Ohio, June 27, 10; m. 34. SOCIAL WORK. A.B., Denison, 32; M.A., Ohio State, 35. Dir. emergency relief, County Relief Admin, Knox & Richland Counties, Ohio, 34-35; Inst. Res. & Soc. Planning, 36-37; exec. dir. soc. planning & financing, Community Fund, 37-39, Community Chest, 40-43, 46-47, Community Chest & Coun., 48-55; prof. SOC. WORK, Ohio State, 55-63; VIS. & INTERIM PROF., CATHOLIC UNIV., 63- Consult. & mem. staff, United Community Funds & Couns. Am., 55; consult., Lincoln, Nebr., 57; dir. studies & analyses soc. welfare sys., Battle Creek, Mich., 59, Ft. Wayne, Ind. 62 & Pontiac, Mich., 65. U.S.N.R., 43-45, Lt. Nat. Assn. Soc. Workers; Acad. Polit. & Soc. Sci. Analysis, evaluation, design and redesign of local welfare systems. Publ: Co-auth., An interval of welfare planning in Metro County, Ohio State Univ., 65; auth., Report of a survey of health, welfare, recreation in the Battle Creek area, Calhoun County Community Coun., 59; United funds and community chests, Soc. Work Year Book, Nat. Assn. Soc. Workers, 60. Address: 9138 Edmonston Court, Greenbelt, Md. 20770.

LEEGE, DR. DAVID CALHOUN, b. Elkhart, Ind., May 18, 37; m. 63; c. 2. POLITICAL SCIENCE. A.B., Valparaiso, 59; Woodrow Wilson fel., Chicago, 59-60; Michigan, summer, 65; univ. fel. & Ph.D.(polit. sci.), Indiana, 65. Instr. polit. sci., Concordia Teachers Col.(Ill.), 62-64; asst. prof., Missouri, Columbia, 64-68, faculty res. asst., 64-65, prog. dir. res. center, 65-68; ASSOC. PROF. POLIT. SCI. & DIR. SURV. RES. CENTER, STATE UNIV. N.Y. BUFFALO, 68- Mem. cmt. comp. state data, Inter-Univ. Consortium Polit. Res., 66-, mem. exec. coun., 67-70; off. rep. Coun. Soc. Sci. Data Arch., 66- Polit. Sci. Assn; Asn. Pub. Opinion Res. Public opinion, especially voting behavior and survey research methods; comparative American state politics. Publ: The Missouri poll: a collection of reports, Res. Center, Univ. Missouri, 67; 1964 election survey—Boone County, Mo, Business & Govt. Rev., 3-4/65; Control in the party convention nominating system: the case of Indiana, In: Empirical studies in Indiana politics, Indiana Univ., 68. Address: Survey Research Center, State University of New York at Buffalo, Buffalo, N.Y. 14214.

LEEK, PROF. J(ohn) H(ALVOR), Govt, see 10th ed, Soc. & Behav. Vols, deceased 67.

LEEMAN, PROF. WAYNE A(LVIN), b. Beloit, Wis., Jan. 27, 24. ECONOMICS. B.A., Wisconsin, 48, Ph.D., 50. Asst. prof. ECON., MISSOURI, 50-55, assoc. prof., 55-59, PROF., 59- U.S.A.A.F., 43-45. Econ. Assn. Economics of petroleum; comparative economic systems; international finance. Publ: Price of Middle East oil: Limitations of local price-cutting as a barrier to entry, J. Polit. Econ.; Crude oil prices in the United States at the Gulf Coast, J. Indust. Econ. Address: Dept. of Economics, University of Missouri, Columbia, Mo. 65201.

LEEMING, DR. FRANK CRAGG, b. Chicago, Ill., June 24, 37; m. 67. EXPERIMENTAL PSYCHOLOGY. B.S., Illinois, 58; M.A., Mississippi, 61, Ph.D.(psychol.), 63. Res. asst. histology, Argonne Nat. Lab., 58-59; asst. prof. PSYCHOL., MEMPHIS STATE, 63-66, ASSOC. PROF., 66- Nat. Sci. Found. res. grant, 63-65. Psychol. Assn. Investigation of variables influencing the increased resistance to extinction produced by training with partial reinforcement; human learning and retention—the study of negative reinforcement and frustration. Publ: Co-auth., Use of heat as a reinforcing agent, 64 &

Increased resistance to extinction produced by post-reinforcement delay, 67, Psychol. Reports; auth., Response rate as a function of magnitude and schedule of heat reinforcement, J. Exp. Psychol., 68. Address: Dept. of Psychology, Memphis State University, Memphis, Tenn. 38111.

LEEPER, PROF. ROBERT, b. Braddock, Pa., Sept. 25, 04; m. 31; c. 4. PSYCHOLOGY. A.B., Allegheny Col., 25; M.A., Clark, 28, Ph.D.(psychol.), 30. Asst. psychol., Clark, 28-30; instr., Arkansas, 30-33; Nat. Res. Coun. fel., Chicago, 33-34; instr. PSYCHOL., Cornell Col.(Iowa), 34-37; asst. prof., OR-ECON, 37-43, assoc. prof., 43-49, PROF., 49-, chmn. dept., 53-63. Guggenheim fel., 48-49; Fulbright lectr., Aberdeen, 55-56. Fel. Psychol. Assn. General theory of personality; learning; perception; motivation. Publ: Co-auth., Toward understanding human personalities; auth., Lewin's topological and vector psychology, Univ. Oregon Mongr.; Learning and the fields of perception, motivation and personality, In: Psychology: a study of a science, vol. 5. Address: Dept. of Psychology, University of Oregon, Eugene, Ore. 97403.

LEESEBERG, DEAN DONALD GEORGE, b. Suring, Wis., Oct. 26, 17; m. 48; c. 2. MARKETING, STATISTICS. B.B.A., Wisconsin, 49; fel., Indiana, 49-50, M.B.A., 50; Milwaukee Assn. Purchasing Agents fel., 60; D.B.A., Washington (Seattle), 61. Instr. commerce, Milwaukee Exten. Div., Wisconsin, 48-49, 50-52; assoc. statist., Washington (Seattle), 52-53; asst. prof. mkt., Wisconsin, Milwaukee, 53-58, asst. dir. div. commerce, 58-66, assoc. prof. & asst. dean sch. bus. admin., 66-68; DEAN SCH. BUS. & ECON., WIS. STATE, WHITEWATER, 68- U.S.N., 41-46. Econ. Assn. Effective media selection; market, retail store location and economic studies; retail trade trends; impact of the federalization of a state income tax. Publ: Co-auth., Estimated personal money income, State of Wisconsin, 64, 8/66 & Estimated personal money income, State of Wisconsin, 1965, 6/67, Publ. Dept. Univ. Wisconsin. Address: 1115 Lone Tree Rd, Elm Grove, Wis. 53122.

LEESTMA, DR. ROBERT, b. Detroit, Mich., Oct. 15, 27; m. 55. EDUCATION. A.B., Michigan, 49, A.M., 51, Ph.D.(ed. psychol.), 56. Asst. community adult ed. prog., Michigan, 49-50, asst. dir. audio-visual ed. center & lectr. sch. ed., 51-55; teacher Eng. & soc. studies, pub. schs., Mich., 50-51; Int. Coop. Admin. ed. & mass commun. adv., Govt. Vietnam, 55-58, ed. adv. Govt. Thailand, 58-61; assoc. prof. & dir. Peace Corps Training Progs., Univ. Michigan, 61-64; dep. chief ed. div., Bur. Africa, U.S. Agency Int. Develop., 64-65; dir. off. multilateral policy & progs. & dir. multilateral policy planning staff, bur. ed. & cultural affairs, U.S. Dept. State, 65-67; asst. to asst. secy. ed., DEPT. HEALTH, ED. & WELFARE, 67-68, ASST. CMNR. ED. & DIR. INST. INT. STUDIES, U.S. OFF. ED., 68- A.U.S., 46-47. Ed. Res. Assn; Comp. Ed. Soc.; Asn. Asian Studies; Soc. Int. Develop.; Siam Soc. Role of education in development; cross-cultural research in modernization and social change; technical assistance and institution building; Southeast Asian and African studies; comparative education; educational exchange; multilateral organizations. Address: Institute of International Studies, U.S. Office of Education, 400 Maryland Ave. S.W., Washington, D.C. 20202.

LEFCOURT, DR. HERBERT MICHAEL, b. Brooklyn, N.Y., Mar. 13, 36; m. 58; c. 2. PSYCHOLOGY. B.A., Antioch Col., 58; M.A., Ohio State, 60, Ph.D.(psychol.), 63. Asst. psychol., Ohio State, 59-60; staff psychologist, U.S. Pub. Health Serv., 60-63; asst. prof. PSYCHOL., WATERLOO, 63-66, ASSOC. PROF., 66- Consult., Lakeshore Psychiat. Hosp., New Toronto, 63- U.S.P.H.S., 60-63, Sr. Asst. Health Serv. Officer. Psychol. Assn; Soc. Psychol. Study Social Issues. Social learning approach to problems of perceived control; social withdrawal and deviant behavior; perceptual and cognitive correlates of perceived control. Publ: Repression-sensitization: a measure of emotional evaluation, J. Consulting Psychol., 66; Internal-external control of reinforcement, Psychol. Bull., 66; Effects of cue explication upon persons maintaining external control expectancies, J. Personality & Soc. Psychol., 67. Address: Dept. of Psychology, University of Waterloo, Waterloo, Ont., Can.

LEFEVER, PROF. LOUIS, b. Budapest, Hungary, July 5, 24; m. 58. ECONOMICS. Pázmány Peter Univ., Budapest, 42; Jozsef Nador Tech. Univ., Budapest, 42-44; Ph.D. Mass. Inst. Tech., 57. Instr. econ., Harvard, 56-58, asst. prof., 58-60; assoc. prof., Mass. Inst. Tech., 61-65; vis. prof., Stanford, 65-66; HECHT PROF. INT. ECON., BRANDEIS, 66- Ford Found. res. fel., 64-65. Consult., Punta del Este prog., Alliance for Progress, 62; UN Indust. Develop. Orgn., 66-; Econ. Cmn. Latin Am., 67- Econ. Assn; Statist. Assn. Economic theory; international and interregional economics. Publ: Allocation in space: production, transport and industrial location, North Holland, 58; Location and regional planning, Center Planning & Econ. Res., 66; Planning in a surplus labor economy, Am. Econ. Rev., 6/68. Address: Dept. of Economics, Brandeis University, Waltham, Mass. 02154.

LEFEVER, PROF. D(AVID) WELTY, b. Ephrata, Pa., June 13, 01; m. 23; c. 1. EDUCATIONAL PSYCHOLOGY. A.B., La Verne Col., 21; A.M., Southern California, 22, Ph.D.(ed. psychol.), 27, hon. Sc.D., 66. Asst. prof. ed. & sociol., La Verne Col., 22-23; instr., counsr. & registr., Compton High Sch., 23-26; from instr. to prof. ED., SOUTHERN CALIFORNIA, 26-66, EMER. PROF., 66- Ed. psychologist, 43- Consult., Orange County Schs., 58-66; Anaheim City Schs., 59-66; Pasadena City Schs., 66-68. Fel. AAAS; Psychomet. Soc.; Statist. Assn; Ed. Res. Assn. Measurement of educational achievement; quantitative assessment of teaching success. Publ: Co-auth., A.S. achievement series, Sci. Res. Assocs., 64; Rorschach study of psychological characteristics of alcoholics, Yale Memoirs; The aggressive middle-class delinquent, J. Criminal Law, Criminol. & Polit. Sci., 66. Address: 2787 Lewis Dr., La Verne, Calif. 91750.

LEFEVER, DR. ERNEST W(ARREN), b. York, Pa., Nov. 12, 19; m. 51; c. 2. POLITICAL SCIENCE. A.B., Elizabethtown Col., 42; B.D., Yale, 45, Ph.D. (ethics & policy), 58. Int. affairs specialist, Nat. Coun. Churches, 52-54; res. assoc. sch. adv. int. studies, Hopkins, 55-56; instr. polit. sci., Maryland, 56-57; res. analyst & acting chief, for. affairs div., Library Cong., 57-59; for. rel. staff consult. to Senator Hubert H. Humphrey, 59-60; res. assoc., Wash. Center For. Policy Res., Hopkins, 60-61; res. analyst, int. studies div., Inst. Defense Analyses, D.C., 61-64; SR. STAFF FOR. POLICY STUDIES, BROOKINGS INST., 64- Lectr., U.S. For. Serv. Inst.; adj. prof., sch. int. serv., American Univ., 61- Consult., Coun. Relig. & Int. Affairs,

- 58-63; U.S. Disarmament Agency, 61. Mem, President's Task Force Arms Control, 61; participant, European-Am. Assembly Arms Control, 61; Soc. Coun. Relig. & Higher Ed; Inst. Strategic Studies; Polit. Sci. Asn; African Studies Asn. National security policy; international politics, ethics and foreign policy. Publ: Arms and arms control; Crisis in the Congo, Brookings, 65; Uncertain mandate: politics of the UN Congo Operations, Johns Hopkins, 67. Address: 7106 Beechwood Dr, Chevy Chase, Md. 20015.
- LEFFORGE, PROF. ROXY, b. North Manchester, Ind, Oct. 27, 88. SOCIOLOGY. A.B., Ind. State Teachers Col, 24; M.A., Boston, 25, M.R.E., 26, D.R.E., 33. Head ed. & relig. ed. dept, Hwa Nan Col. for Women, China, 18-35; prof. psychol. & ed. & exec. dean, Philippine Christian Col, 47-52; prof. psychol. & ed. & pres, Philippine Wesleyan Col, 52-54; PROF. SOCIOLOGY & PSYCHOLOGY, HUNTINGTON COL, 54- Acad. Polit. & Soc. Sci. Address: 1945 Fruit St, Huntington, Ind. 46750.
- LEFKOWITZ, DR. JOEL (MORRIS), b. New York, N.Y., Oct. 17, 40; m. 65. PSYCHOLOGY. B.B.A., City Col. New York, 61; Off. Voc. Rehab. trainee, Western Reserve, 61-63, M.S., 63, Nat. Sci. Found. fel, 63-65, Ph.D. (psychol), 65. ASST. PROF. PSYCHOLOGY, BARUCH COL, CITY UNIV. NEW YORK, 65- AAAS; Psychol. Asn. Motivation and mental health in industry; psychological consequences of automation. Publ: How to diagnose and control personnel turnover, BFS Psychol. Assocs. Exec. Commun, 67; co-auth, Image of industrial psychology among corporate executives, Am. Psychologist, 2/62; auth, Self-esteem of industrial workers, J. Appl. Psychol, 12/67. Address: Dept. of Psychology, Baruch College, 17 Lexington Ave, New York, N.Y. 10010.
- LEFKOWITZ, DR. MONROE (MILTON), b. New York, N.Y., Dec. 20, 22; m. 50; c. 2. PSYCHOLOGY. B.S., Columbia, 50; M.A., Texas, 52, Fulbright scholar, 54, univ. fel, 55, Ph.D., 56, Vienna, 54-55. Asst. soc. sci., Texas, 55-56; res. assoc, human resources res. off, George Washington, 56-57; asst. prof, Kalamazoo Col, 57-59; res. psychologist, Rip Van Winkle Found, 59-62; clin. psychologist, BERKSHIRE FARM INST. TRAINING & RES, 62-64, RES. DIR. JUVENILE DELINQUENCY, 64- Dreyfus Charitable Fund Biomed. Res. Assoc. grant, 67-68, U.S.N., 42-45. AAAS; Psychol. Asn. Human development; development of aggression in children; psychodiagnostics and abilities; teaching. Publ: Some relationships between sex role preference and children and other parent and child variables, Psychol. Rep; Status factors in pedestrian violation of traffic signals, J. Abnorm. Soc. Psychol; Punishment, aggression and identification, Merrill-Palmer Quart, 63. Address: Berkshire Farm Institute for Training & Research, Canaan, N.Y. 12029.
- LEFTON, DR. ROBERT E (UGENE), b. St. Louis, Mo, Sept. 4, 31; m. 54; c. 3. BEHAVIORAL SCIENCE. A.B., Washington (St. Louis), 53, Ph.D. (psychol), 58. DIR. PSYCHOL. ASSOCS, 58- Assoc. prof, Washington (St. Louis), 58-, res. consult, child guid. clin, 61- Organizational psychology; industrial psychology, selection and training. Publ: Co-auth, Dimensional sales strategies, Prentice-Hall, (in press). Address: 8220 Delmar, St. Louis, Mo. 63124.
- LEFTWICH, PROF. RICHARD H (HENRY), b. Burden, Kans, Feb. 1, 20; m. 45; c. 3. ECONOMICS. A.B., Southwestern Col, 41; Ft. Hays Kans. State Col, 41-42; A.M., Chicago, 48, Ph.D., 50. Asst. prof. ECON, OKLA. STATE, 48-51, assoc. prof, 51-55, PROF, 55- Vis. prof, Chicago, 62-63. U.S.A., 42-45. Econ. Asn. Price theory; money and banking; labor economics. Publ: Price system and resource allocation; Organized labor and national economic objectives, South. Econ. J, 4/66. Address: Dept. of Economics, Oklahoma State University, Stillwater, Okla. 74074.
- LEFTWICH, DR. WILLIAM H (ENSLEY), b. Richmond, Va, July 1, 31; m. 56; c. 2. PSYCHOLOGY. B.A., Richmond, 52, M.A., 56; Ph.D. (psychol), Purdue, 62. Test technician, div. personnel, Commonwealth of Va, 56-57, state job analyst, 57-58; staff consult, Psychol. Consult, Inc, 58-59; psychol. res. asst, Purdue, 59-61; asst. prof. PSYCHOLOGY, RICHMOND, 61-64, ASSOC. PROF, 64-, CHMN. DEPT, 66- C.Eng, U.S.A., 52-54. Psychol. Asn. Tests and measurements; applied statistical methods. Publ: Co-auth, Chap. In: Anti-democratic attitudes in American Schools, Northwestern, 63; Comparison of graphic and forced-choice ratings of teaching performance at college and university level, Purdue Studies in Higher Ed, 5/62; Connotative association of the Holtzman inkblots, Psychology, 65. Address: Dept. of Psychology, University of Richmond, Box 38, Richmond, Va. 23173.
- LE FURGY, DR. WILLIAM GODFREY, b. New Rochelle, N.Y., Dec. 15, 30; m. 52; c. 2. PSYCHOLOGY. B.A., Oklahoma, 56; M.A., Cornell, 64, Ph.D. (psychol), 67. Instr. PSYCHOL, Wells Col, 59-61; Ithaca Col, 62-63; ASST. PROF, PRINCETON, 66- U.S.A.F., 49-51. Psychol. Asn. Social learning; cognitive development. Publ: The induction of anchoring effects in absolute judgments through differential reinforcement, J. Psychol, 66. Address: Dept. of Psychology, Princeton University, Princeton, N.J. 08540.
- LeGACY, DR. ARTHUR, Am. Urban Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LEGERE, DR. L (AURENCE) J (OSEPH), b. Mass, Jan. 2, 19; m. 45. INTERNATIONAL RELATIONS. B.S., U.S. Mil. Acad, 40; M.P.A., Harvard, 48, A.M., 49, Ph.D. (polit. sci), 51; Nat. War Col, 60-61. Asst. prof. int. rels, U.S. Mil. Acad, 45-47; mem. staff, Off. U.S. Comdr, Berlin, 50-53, Korea, 53-54, chief polit-mil. br, int. & policy planning div, 54-56; asst. to spec. asst. to President for Security Ops. Coordination, 56-57; spec. asst, Politico-mil. affairs, Supreme Allied Comdr, Europe & Comdr-in-Chief, Allied Forces Cent. Europe, 57-60; asst. to mil. rep. of President, D.C., 61-62, sr. mem, Nat. Security Coun. Staff, White House, 62-63; chief NATO br, policy planning staff, Off. Asst. Secy. Defense Int. Security Affairs, 64-66; res. assoc, center int. studies, Mass. Inst. Tech, 66-67; chief, off. nat. security studies, Bendix Aerospace Sys. Div, 67-68; STAFF MEM, INT. & SOC. STUDIES DIV, INST. DEFENSE ANAL, 68- U.S.A., 40-66, Col. PqLit. Sci. Asn. Address: Institute for Defense Analyses, 400 Army-Navy Dr, Arlington, Va. 22202.
- LEGUEY-FEILLEUX, DR. J (EAN)-R (OBERT), b. Marseilles, France, Mar. 28, 28; m. 53; c. 4. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. Dipl. Sch. Adv. Studies Commerce, Marseilles, France, 49; dipl. Univ. Aix Marseille, 49; Fulbright fells, Florida, 49 & 50, univ. fel, 50, M.A., 51; cert, Cambridge, 52; fells, Georgetown, 53-55, Ph.D. (polit. sci), 65. Res. asst. int. law & int. affairs, inst. world polit, sch. for. serv, Georgetown, 56-60, dir. res, 60-66; ASST. PROF. POLIT. SCI. & INT. AFFAIRS, ST. LOUIS, 66- Lectr, sch. for. serv, Georgetown, 57-66, res. assoc, inst. world polit, sch. for. serv, 66- Mem. Adv. Bd. Can. U.S. & Eng-Speaking Caribbean, Pax Romana Secretariat N.Am, 67- Gold medal, Commercial Inst. Paris, 49. French Air Force, 52-53, 1st Lt. Am. Soc. Int. Law; Polit. Sci. Asn; Int. Studies Asn. International law, especially of war, Jus ad Bellum and Jus in Bello; international politics: theory and problems; war; problems of international ethics. Publ: Co-auth, The law of limited international conflict, Inst. World Polit, 65; auth, Vietnam: the Negotiations issue, For. Serv. Courier, 66; The law of war: a bibliography, 1945-1948, World Polit. Yearbook, 60. Address: Dept. of Political Science, St. Louis University, St. Louis, Mo. 63103.
- LEH, PROF. ROBERT G (ANGWER), b. Northampton, Pa, Apr. 16, 31; m. 54. POLITICAL SCIENCE. A.B., Lafayette Col, 52; M.A., Pennsylvania, 55, Ph.D. (polit. sci), 64. Asst. prof. POLIT. SCI., Lycoming Col, 59-63; Gettysburg Col, 63-66; ASSOC. PROF, ILL. WESLEYAN, 66- Hill Family Found, Faculty Inst. on Far East, Hamline Univ, 67. U.S.A., 56-57, Res, 57-62. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Compulsory arbitration of civil actions in Pennsylvania; international relations; foreign policy formation; decision making; opinion. Publ: Pennsylvania's compulsory arbitration: a measure of its effectiveness, Legal Intelligencer, 5/66; The lawyer's court: Pittsburgh's attempt to relieve docket congestion, Pa. Hist, 7/66. Address: Dept. of Political Science, Illinois Wesleyan University, Bloomington, Ill. 61701.
- LEHMAN, DR. EDWARD CHARLES, JR, b. Providence, R.I., June 5, 31; m. 53; c. 2. SOCIOLOGY. A.B., Miss. State Col, 58; B.D., Southeast. Baptist Theol. Sem, 62; M.A., Miss. State, 63, Ph.D. (sociol), 64. ASST. PROF. SOCIOLOGY, N.C. State, 64-66; MISSOURI, ST. LOUIS, 66- Missouri, St. Louis summer res. fel, 67, res. grant, 68-69. Consult, Exp. Campus Ministry, Mo, 67-68. U.S.N., 50-55, Lt. Sociol. Asn; Soc. Sci. Study Relig. Sociology of religion, especially religiosity of academicians; community social interaction, analysis comparing sociological and social-psychological factors; estimating non-response bias to mail questionnaires. Publ: Tests of significance and non-response bias to mailed questionnaires, Rural Sociol, 63; co-auth, Social participation as community reference group behavior, Clearinghouse Sociol. Lit, 66; Academic discipline as predictive of faculty religiosity, Soc. Forces, (in press). Address: Dept. of Sociology & Anthropology, University of Missouri at St. Louis, St. Louis, Mo. 63121.
- LEHMAN, DR. EUGENE H, JR, b. New York, N.Y., Jan. 26, 13; m. 48; c. 4; m. 60; c. 1. STATISTICS. B.A., Yale, 33; M.A., Columbia, 37; California, Los Angeles, 48-49; fel, Washington (Seattle), 51-55; fel, N.C. State, 58-61, Ph.D. (statist), 61. Instr. math, Connecticut, 46-47; lectr, British Columbia, 47-48; res. assoc, geophys. inst, Alaska, 49-50; res. asst. statist, State Coun. Hwy. Res, 53-55; asst. prof. math, Florida, 55-57; staff engr, Houston Fearless Corp, Calif, 62-64; consult, biostatistician, Cedars-Sinai Inst. Med. Res, Hollywood, Calif, 64-66; ASSOC. PROF. MATH, NORTHERN MICHIGAN, 66- U.S.A.A.F., 43-46. AAAS; Math. Soc; Statist. Asn. Applied statistics; presentation of mathematical ideas which have previously been considered college level to fifth and sixth graders. Publ: Weibull estimators, IEEE-Reliability, 9/63; co-auth, Ejection times vs. heart rate, Japanese Heart J, 11/65; auth, College math and 11 year olds, Science, 7/67. Address: 1749 Norwood St, Marquette, Mich. 49855.
- LEHMAN, DR. FREDERICK K, b. New York, N.Y., Feb. 5, 24; m. 55; c. 1. SOCIAL ANTHROPOLOGY. B.A., N.Y. Univ, 50; Ford Found. fel, Pennsylvania, 53-54; Ph.D. (anthrop), Columbia, 59. Asst. anthrop, Illinois, 52-53; res. analyst, Human Rel. Area Files, Yale, 55-56; from lectr. & res. assoc. to assoc. prof. ANTHROP, ILLINOIS, URBANA, 59-68, PROF, 68- Fel. Anthrop. Asn; Asn. Asian Studies. General linguistics, languages and social anthropology of India and southeastern Asia; general social anthropology and theory. Publ: The structure of Chin society, Univ. Illinois, 63; Ethnic categories in Burma and the theory of social systems, In: Southeast Asian tribes, minorities and nations (2 vols), Princeton, 67; Kayah society as a function of the Shan-Burma-Karen context, In: Vol. II, Contemporary changes in traditional societies, Univ. Illinois. Address: Dept. of Anthropology, University of Illinois, Urbana, Ill. 61801.
- LEHMAN, PROF. HARVEY C (CHRISTIAN), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 65.
- LEHMAN, JOHN W (INFELD), b. Three Rivers, Mich, Apr. 14, 10; m. 34; c. 2. ECONOMICS. M.A., Wisconsin, 33. Lectr. econ, Wisconsin, 33-34; Agr. Adj. Admin, 34-35; asst. economist, Tenn. Valley Authority, 35-41; planning technician, Nat. Resources Planning Bd, 41-42; statistician & analyst, Fed. Reserve Bank, Chicago, 42-43; economist, U.S. Bur. Labor Statist, 43-45, chief gen. price res. & indexes div, 46; asst. chief, prices & cost of living br, 46-47; dep. exec. dir, Joint Econ. Cmt, U.S. Cong, 47-62; regional dir, bur. labor statist, U.S. Dept. Labor, 62-68; EXEC. DIR, AM. STATIST. ASN, 68- Meritorious achievement award, U.S. Dept. Labor, 67. Fel. AAAS; fel. Statist. Asn; Econ. Asn. Economic statistics; regional planning; public works planning. Publ: Government price statistics; co-auth, Sustaining economic forces ahead; Economic policies and programs in South America. Address: American Statistical Association, 810 18th St, N.W., Washington, D.C. 20006.
- LEHMAN, DR. LELAND C (HARLES), b. Berne, Ind, Feb. 4, 20; m. 45; c. 3. ECONOMICS. A.B., Bluffton Col, 42; A.M., Ohio State, 47, Ph.D., 53. Instr., Capital Univ, 46-48; asst. instr., Ohio State, 48-49; asst. prof. ECON, Denison, 49-54, assoc. prof, 54-59, prof, 59-65; prof. & chmn. dept, Macalester Col, 65-68; CHMN. DEPT, BLUFFTON COL, 68- Economist, spec. submt. state taxation interstate commerce, House Judiciary, U.S. House Rep, 62-63. U.S.A.A.F., 42-45. Econ. Asn; Finance Asn. Banking; public finance. Address: Dept. of Economics, Bluffton College, Bluffton, Ohio 45817.
- LEHMAN, DR. RICHARD S (LOAN), b. Pasadena, Calif, Jan. 11, 39; m. 61; c. 1. PSYCHOLOGY. B.A., Redlands, 60; M.A., Colorado, 63, Ph.D. (psychol),

65. ASST. PROF. PSYCHOL. FRANKLIN & MARSHALL COL. 65- Psychol. Asn; Asn. Comput. Mach; Psychomet. Soc. Quantitative psychology; computer applications; cognitive theory; scaling. Publ: Synesthesia, a cognitive model, Univ. Colorado, 65; co-auth, Digital computing in behavioral science, Wiley, 68; The autokinetic phenomenon, Psychol. Bull, 66. Address: Dept. of Psychology, Franklin & Marshall College, Lancaster, Pa. 17604.
- LEHMANN, DR. GLENN ALBERT, b. Cleveland, Ohio, Sept. 10, 24; m. 55; c. 4. ECONOMICS. B.A., Ohio Wesleyan, 48; M.A., Harvard, 50, fels, 50-52, Ph.D., 53. Mkt. res. economist, Welsh Grape Juice Co, 50; econ. analyst, Presidents Materials Policy Cmn, 51; economist, Marshall Plan Mission, Norway, 53-54; economist & rep, U.S. delegation to NATO & OEEC, 54-59; economist, Int. Coop. Admin, Africa & Europe, 59-61; chief planning div, Africa-Europe Region, AGENCY INT. DEVELOP. U.S. DEPT. STATE, 61-63, econ. adv. Tunisia, 63-67, dep. dir, 67-68, SR. ECON. ADV. INDONESIA, 68- Res. assoc, center int. affairs, Harvard, 65. Summer, lectr, Oslo, Norway, 54. U.S.A.A.F. 43-46, Sgt. Econ. Asn; Soc. Int. Develop. Economic development of under-developed countries; role of international assistance in economic development; international trade and finance. Publ: Chap, In: Resources for freedom. Address: Agency for International Development, American Embassy, APO San Francisco 96356.
- LEHMANN, PROF. IRVIN J(ACK), b. Winnipeg, Man, Sept. 19, 27; m. 57; c. 2. PSYCHOLOGY. B.Sc., Manitoba, 51, B.Ed., 53, M.Ed., 54; Ph.D., Wisconsin, 57. Lab. demonstr. chem, Manitoba, 47-49; teacher, high schs, 51-54; asst. ed. psychol, Wisconsin, 54-56, res. assoc, 57; instr. EVAL. SERV. MICH. STATE, 57-60, asst. prof. 60-63, assoc. prof. 63-67, PROF. 67- Consult, teacher ed. proj, Central Michigan, 58-; gifted children proj, Mich. State, 61. AAAS; Statist. Asn; Psychol. Asn; Nat. Coun. Measurement in Ed.(secy, 64-69); Ed. Res. Asn. Education; changes in critical thinking, attitudes, and values of college student; characteristics of students in natural science honors sections. Publ: Co-auth, Critical thinking, attitudes, and values in higher education, 62 & Changes in critical thinking, attitudes, and values associated with college attendance, 63, Mich. State; auth, Learning: attitudes and values. Address: 2042 Brentwood, East Lansing, Mich. 48823.
- LEHMANN, PROF. WILLIAM C(HRISTIAN), b. Slater, Iowa, Nov. 29, 88; m. 14; c. 2. SOCIOLOGY. A.B., Lakeland Col, 10; B.D., Vanderbilt, 17, A.M. 19; Wisconsin, 18-20; Ph.D., Columbia, 30. Vis. prof. SOCIOL, Tulane, 38-39; instr, SYRACUSE, 27-29, asst. 29-38, assoc. 39-45, prof. 45-54, EMER. PROF. 54- Whitney Found. vis. prof, Centre Col, 54-55; State Dept. specialist, Amerika Inst, Munich, Germany, 52; Fulbright lectr, Münster, 55-56; vis. prof, Chatham Col, 59-60; Hartford, 61-62; lectr, Japanese univs, 61. History of social theory; urban demography; racial minorities; eighteenth-century Scottish thought and culture. Publ: Adam Ferguson and the beginnings of modern sociology; John Millar of Glasgow, (1735-1801): his life and thought and his contributions to sociological analysis; Sociological and cultural-anthropological elements in the writings of J.G. von Herder, In: Fact and theory in social science, Syracuse Univ, 64. Address: 2200 19th St. N.W., Apt. 805, Washington, D.C. 20009.
- LEHNEN, DR. ROBERT G(EORGE), b. Danville, Ill, June 22, 42. POLITICAL SCIENCE. B.A., DePauw, 64; Nat. Defense Ed. Act fel, Iowa, 64-68, M.A., 66, Ph.D.(polit. sci), 68. ASST. PROF. POLIT. SCI, NORTH CAROLINA, CHAPEL HILL, 68- Polit. Sci. Asn; Sociol. Asn. Methodology in the behavioral sciences; American politics, especially public opinion and voting behavior; legislative and judicial behavior. Publ: Behavior on the Senate floor: an analysis of debate in the U.S. Senate, Midwest J. Polit. Sci., 11/67. Address: Dept. of Political Science, University of North Carolina, Chapel Hill, N.C. 27514.
- LEHNER, PROF. GEORGE F(REDERICK) J(OHN), b. Elwood, Nebr, Mar. 26, 14; m. 46; c. 3. PSYCHOLOGY. B.A., South Dakota, 35; M.A., Brown, 36, fel, 36-38, Ph.D.(psychol), 41. Clin. psychologist & instr. psychol, N.Y. Univ, 39-40; asst. prof. psychol, Miami (Fla), 40-41, dir. univ. testing, 40-41; from asst. prof. to PROF. PSYCHOL, CALIFORNIA, LOS ANGELES, 46-, dir. psychol. clin. & clin. training prog, 46-60, Dipl. Am. Bd. Exam. Prfnl. Psychol. Fulbright res. fel, Vienna, 51-52. Consult, Vet. Admin, 46-51. U.S.A.A.F. 41-46, Maj. AAAS; Psychol. Asn. Clinical psychology; personality development; psychotherapy. Publ: Co-auth, Mental hygiene in modern living & Dynamics of personal adjustment; auth, Explorations in personal adjustment. Address: Dept. of Psychology, University of California, Los Angeles, Calif. 90024.
- LEHOCZKY, PROF. SIGMUND, b. Warsaw, Poland, Apr. 29, 03; m. 50; c. 2. INTERNATIONAL ECONOMICS & RELATIONS. Dipl. econ. Acad. Polit. Sci., Poland, 27; D.Sc. Pol., Brussels, 29; Brit. Coun. London grant, 44-46; London Sch. Econ, 47-48. Chief mfg. export sect, Ministry Indust. & Commerce, Poland, 30-39; res. assoc. econ. develop, Royal Inst. Int. Affairs, Eng, 44-46; lectr, int. econ, Polish Univ. Col, London, 46-50; assoc. prof. int. econ, Polish Free Sch. Polit. & Soc. Studies, Eng, 50-53; Fed. Govt. Can. grant, 53-56; ASSOC. PROF. ECON, Duquesne, 57-68; Howard, 68- Econ. scripts writer, Voice of Am, U.S. Info. Agency, 64-65. Econ. Asn. Economic development of underdeveloped areas; central-European political and economic problems; comparative economic systems. Publ: International trade of central-Europe: Industry and trade in goods of precious metals; Problems of small industry. Address: Dept. of Economics, Howard University, Washington, D.C. 20001.
- LEHR, PROF. R(AYMOND) BRUCE, b. Philadelphia, Pa, Oct. 2, 33; m. 60. CULTURAL ANTHROPOLOGY, ARCHAEOLOGY. A.B., Bucknell, 55; M.A., Univ. of the Americas, 60; Indiana, 63-65. Instr. lang. & soc. sci, ELIZABETH TOWN COL, 61-63, asst. prof. soc. sci, 65-66, ASSOC. PROF. SOCIOL, 66-, ACTING CHMN. DEPT. SOCIOL, 63-, CHMN. DEPT. SOCIOL. & ANTHROP, 65- U.S.A., 56-58. Anthropol. Asn; Soc. Am. Archaeol; Soc. Appl. Anthropol. Ethnohistory of prehispanic northern Yucatan; acculturation of certain foreign groups in the republic of Mexico. Address: Dept. of Sociology, Elizabethtown College, Elizabethtown, Pa. 17022.
- LEHRER, DR. PAUL LINDNER, Phys. Geog, see 11th ed, Phys. & Biol. Vols.
- LEHRER, DR. ROBERT N(ATHANIEL), Indust. Eng, see 11th ed, Phys. & Biol. Vols.
- LEHRMAN, PROF. DANIEL S(ANFORD), b. New York, N.Y., June 1, 19; m. 62; c. 2. PSYCHOLOGY. B.S., City Col. New York, 47, fel, 47-48; Ph.D.(psychol), N.Y. Univ, 54. Asst. psychologist, Haskins Labs, 45-47; lectr. PSYCHOL, N.Y. Univ, 50; from asst. prof. to assoc. prof, RUTGERS, 50-58, PROF. 58-, DIR. INST. ANIMAL BEHAV, 59- Lectr, City Col. New York, 48-55; vis. prof, Yale, 57-58; Nat. Inst. Ment. Health res. career award, 63-U.S.A., 41-45. Soc. Zool; Ecol. Soc; Psychol. Asn; Ornith. Union. Hormones and behavior; experimental analysis of instinctive behavior in animals; evolutionary and comparative study of animal behavior. Address: Institute of Animal Behavior, Rutgers, The State University, Newark, N.J. 07102.
- LEIB, PROF. K(ARL) E(LIAS), b. Marengo, Iowa, Dec. 15, 88; m. 17; c. 3. BUSINESS ADMINISTRATION. A.B., Stanford, 18, J.D., 23. Mem. faculty, col. bus. admin, Washington (Seattle), 24-29; prof. LABOR & MGT, IOWA, 29-57, head dept, 49-57, acting dir. bur. labor & mgt, 50-54, EMER. PROF., 57- Prof, Illinois, 57-59; Southern Illinois, 59-62 & 65-66; Inter-Am. Univ. P.R., 64-65; Missouri, 67. Address: 416 Garden St, Iowa City, Iowa 52240.
- LEIBENSTEIN, PROF. HARVEY, b. U.S., Aug. 7, 22; m. 54. ECONOMICS. B.S., Northwestern, 45, M.A., 46; Ph.D., Princeton, 51. Instr. econ, Il. Inst. Tech, 46-47; Princeton, 47-48; asst. prof, California, Berkeley, 51-60, prof, 60-68; ANDELOT PROF. ECON. & POP. STUDIES, HARVARD, 68- Soc. Sci. Res. Coun. fel, 51, faculty res. fel, 57-60. Consult, Rand Corp, 54-55. Econ. Asn; Pop. Asn. Am. Economic theory and development; demography. Publ: Theory of economic demographic development; Economic backwardness and economic growth; Economic theory and organizational analysis. Address: Center for Population Studies, Harvard University, 9 Bow St, Cambridge, Mass. 02138.
- LEIBMAN, DR. O(SCAR) BERNARD, b. New York, N.Y., Nov. 25, 26; m. 49; c. 1. PSYCHOLOGY. B.S.S., City Col. New York, 48; M.A., Columbia, 48, Ph.D.(psychol), 53. Intern psychol, State Hosp, Conn, 48-49; adj. asst. prof. ED, Hofstra Col, 49-53; asst. prof, QUEENS COL.(N.Y.), 49-65, ASSOC. PROF. 65-, COORDINATOR, GRAD. PROG. SCH. PSYCHOL, 61- Asst. exam, Bd. Ed. N.Y., 53 & 55. Dipl. clin. psychol, Am. Bd. Exam. Prfnl. Psychol, 61. U.S.N., 45-46. Psychol. Asn; Orthopsychiat. Asn. Clinical psychology; child therapy; parent education. Address: 14 West Woods Rd, Lake Success, N.Y. 11020.
- LEICH, HAROLD H(ERBERT), b. Evansville, Ind, Feb. 16, 09; m. 41; c. 2. PUBLIC ADMINISTRATION. A.B., Dartmouth Col, 29; M.A., American Univ, 55. Res. asst, U.S. CIVIL SERV. CMN, 35-39, mgt. analyst, 39-40, dir. personnel, 40-41, chief admin. exam, 41-46, prog. planning, 47-53, standards div, 53-56, asst. dir. bur. dept. ops, 56-58, DIR. POLICY DEVELOP. DIV, 58- Mem. & past chmn. recreation & wildlife cmt, Interstate Cmn. Potomac River Basin; Chmn, Fed. Interagency Cmt. Deferment Fed. Employees, 63- Commissioners' award distinguished serv, 63. U.S.N.R., 42-45. Soc. Pub. Admin; Soc. Personnel Admin.(v.pres, 51, 53); Polit. Sci. Asn; Pub. Personnel Asn. Personnel administration; management studies; human relations. Publ: Hoover Commission's personnel recommendations, Am. Polit. Sci. Rev; co-auth, Decentralizing position classification, Pub. Personnel Asn, 64. Address: 5606 Vernon Place, Bethesda, Md. 20034.
- LEICHTER, DR. HOPE J, b. Milwaukee, Wis, Jan. 9, 28; m. 51; c. 2. SOCIOLOGY, ANTHROPOLOGY. B.A., Oberlin Col, 50; Fulbright travel grant & French Govt. fel, 50-51; Ph.D., Harvard, 59. Asst. SOCIOL, Inst. Sociol. Res, Germany, 51-52; res. assoc. med. col, Cornell, 55-56; res. dir, Jewish Family Serv, N.Y., 56-66; ASSOC. PROF. SOCIOL, TEACHERS COL, COLUMBIA, 66-, CHMN. DEPT. FAMILY & COMMUNITY RELS, 68- Proj. dir, Russell Sage Found, 56-; adv, Brandeis, 60-61; lectr, N.Y. Sch. Soc. Work, Columbia, 61, Teachers Col, 62. AAAS; Sociol. Asn. Sociological factors in stress and illness; kinship in urban environments; therapeutic relationships. Publ: Boundaries of the family as an empirical and theoretical unit, In: Exploring the base of family therapy; Kinship values and casework interventar; Kinship and casework, Russell Sage Found, 67. Address: 845 West End Ave, New York, N.Y. 10025.
- LEICHTY, DR. MARY M(ASON), b. Xenia, Ohio, July 12, 10; m. 29; c. 2. CLINICAL PSYCHOLOGY. A.B., Mich. State, 46, M.A., 52, Ph.D., 57. Instr. psychol, Mich. State, 58, psychologist, Lansing Child Guid. Cln, 57-58; lectr, counseling center, MICH. STATE, 59-67, ASSOC. PROF. COUNSELING CENTER & PSYCHOL. DEPT, 67- AAAS; Psychol. Asn; Orthopsychiat. Asn; Nat. Asn. For. Student Affairs. Cross-cultural research in personality development; counseling and psychotherapy; child psychology. Publ: Effect of father-absence during early childhood upon the Oedipal situation as reflected in young adults, Merrill-Palmer Quart; Family attitudes and self-concept in Vietnamese and American children, Am. J. Orthopsychiat. Address: 1864 Walnut Heights Dr, East Lansing, Mich. 48823.
- LEIDEN, PROF. CARL, b. Boone, Iowa, Feb. 6, 22; m. 45; c. 2. POLITICAL SCIENCE. B.S., Iowa State Col, 45; Volker fel, Wayne, 45-46, M.P.A., 47; Ph.D., Iowa, 49. Instr. Iowa, 46-49; asst. prof. polit. sci, Marshall Col, 49-52, assoc. prof, 52-59; American Univ. Cairo, 59-61; ASSOC. PROF. GOVT, TEXAS, 61- Fulbright lectr, Peshawar, 52-53; vis. lectr, California, 57. Political problems of central Asia and the Middle East. Publ: Introduction to political science; co-auth, The politics of violence: modern revolution, Prentice-Hall, 68. Address: Dept. of Government, University of Texas, Austin, Tex. 78712.
- LEIDERMAN, DR. GLORIA FRANK, b. Chicago, Ill, Oct. 1, 25; m. 47; c. 4. PSYCHOLOGY. A.B., Illinois, 47; Helen Putnam fel, Chicago, 48-49; Ph.D. (child develop), Radcliffe Col, 53. Instr. ed. grad. sch, Harvard, 53-55, res. assoc, 55-56; fel. community ment. health, Mass. Gen. Hosp, Boston, 56-57; res. fel, Harvard Med. Sch, 57-58, RES. ASSOC. PSYCHOL, 58-63; SCH. MATH. STUDY GROUP, STANFORD, 63-, lectr, sch. ed, 66-67. AAAS; Ed. Res. Asn; Psychol. Asn; Soc. Res. Child Develop. Child development and school learning. Publ: Co-auth, The special curriculum project: pilot program on mathematics learning of culturally disadvantaged primary school

- children, Sch. Math. Study Group, Stanford, 66; auth, Effect of parental relationships and child-training practices on boys interactions with peers, Proc. XV Int. Cong. Psychol; co-auth, Studies of teacher behavior, J. Exp. Ed. Address: 828 Lathrop Dr, Stanford, Calif. 94305.
- LEIDERMAN, DR. P. H(ERBERT), Psychiat, see 11th ed, Phys. & Biol. Vols.
- LEIDING, DR. JAMES H(ERMAN), b. Estherville, Iowa, Nov. 12, 37; m. 59; c. 2. SOCIOLOGY. B.S. Concordia Teachers Col.(Nebr), 59; M.A. Western Reserve, 61; fel. Ball State, 63-65, Ph.D.(soc. sci), 65. Teacher, parochial sch, Ohio, 59-61; Ind, 61-63; ASSOC. PROF. SOCIOL, MORNINGSIDES COL, 65- Summer participant, Nat. Sci. Found. Sociol. Inst, 66, & Soc. Sci. Res. Inst, 67. Sociol. Asn. Sources and causes of family problems, especially divorce; image of a college from the perspectives of the students, faculty, alumni and community. Address: Dept. of Sociology, Morningside College, Sioux City, Iowa 51106.
- LEIDY, DR. THOMAS R(OSS), b. Newark, Ohio, Dec. 22, 35; m. 57; c. 2. PSYCHOLOGY. B.A. Miami (Ohio), 57; M.S. Purdue, 58, Ph.D.(indust. psychol), 63. Asst. prof. psychol, Albion Col, 61-63; Denison, 63-64; ASSOC. DIR. MEASUREMENT & RES. CENTER, PURDUE, 64- Nat. Sci. Found. summer grants, Iowa, 62, Michigan, 63. AAAS; Psychol. Asn; Nat. Coun. Measurement in Ed. Attitude and opinion measurement, adolescent psychology and youth culture. Address: Measurement and Research Center, Purdue University, Lafayette, Ind. 47907.
- LEIES, HERBERT F(RANCIS), S.M., b. Chicago, Ill, Jan. 19, 98. SOCIOLOGY. A.B. Dayton, 19, B.S. 23; A.M. St. Louis, 37. Teacher, Ecole Provencher, Can, 21; Kenrich High Sch, Mo, 21-25, v.prin, McBride High Sch, 26-27, 33-34, Cent. Cath. High Sch, 34-35, South Side High Sch, 35-36; St. Michael's Cent. High Sch, Ill, 42-43; Holy Redeemer High Sch, Mich, 43-44; teacher, Spalding Inst, Ill, 25-26, prin, 32-33; St. Joseph's High Sch, Tex, 27-31; Cathedral High Sch, Kans, 31-32; instr. SOCIOL, St. Mary's (Tex), 36-42; assoc. prof, Incarnate Word Col, 44-45; ST. MARY'S (TEX), 45-54, PROF, 54- Spec. adv. President's Cmt. Juvenile Delinquency & Youth Crime, 62. Fel. Sociol. Asn. Juvenile delinquency; migrant labor; Mexican-American minority. Address: Dept. of Sociology, St. Mary's University, San Antonio, Tex. 78228.
- LEIFESTE, PROF. SAM A(NDREW) D(IETRICH), b. McCulloch Co, Tex, Sept. 25, 04; m. 27; c. 5. BUSINESS ADMINISTRATION. B.A. Southwestern (Tex), 26; M.A. Texas, 29, Ph.D., 54. Coordinator distrib. ed, pub. schs, Tex, 37-44; field off. mgr, Soc. Security Bd, 44-46; asst. prof. mkt, Tex. Tech. Col, 46-49; retailing, Texas, 49-53; assoc. prof. bus, Northwest State Col.(La), 53-56; PROF. MKT, M.J. NEELEY SCH. BUS, TEXAS CHRISTIAN, 56- Mkt. Asn. Marketing research; retailing practices; management techniques. Publ: Economic impact of the mobile home industry on Texas, Bur. Bus. Res. Texas Christian Univ, 67; Downtown futurama: special feature of downtown Fort Worth day's & Strategy for a marketing oriented firm, Ft. Worth Bus. Rev. Address: 5812 Walla Ave, Ft. Worth, Tex. 76133.
- LEIFFER, PROF. DONALD BURGOYNE, Polit. Sci, Pub. Admin, see 10th ed, Soc. & Behav. Vols.
- LEIFFER, PROF. MURRAY H(OWARD), b. Albany, N.Y, Aug. 30, 02; m. 24; c. 1. SOCIOLOGY. A.B. Southern California, 23; B.D. Garrett Biblical Inst, 25; M.A. Chicago, 28, Ph.D. Northwestern, 32. Asst. local community studies, Chicago, 25-26; instr. sociol, Chicago Training Sch, 27-29; asst. prof. SOCIOL. & SOC. ETHICS, GARRETT BIBLICAL INST, 29-32, assoc. prof, 32-35, PROF, 35-. DIR. BUR. SOC. & RELIG. RES, 42- Vis. prof, Trinity Theol. Col, Singapore, 61 & Union Theol. Sch, Manila, 65. Summer vis. prof, Southern California, 42 & 51, Iliff Sch. Theol, 55, Texas Christian, 58, South. Calif. Sch. Theol, 59. Sociol. Asn. Sociology of religion; urban religious life; institutional religion; attitudinal changes concerning social issues. Publ: Layman looks at the minister; Effective city church; Methodism Church in Singapore. Address: 721 Foster St, Evanston, Ill. 60021.
- LEIGH, PROF. ARTHUR H(ERTEL), b. Niagara Falls, N.Y, May 18, 18; m. 43; c. 2. ECONOMICS. A.B. Colgate, 41; Marshall Field fel. & Ph.D., Chicago, 46. Instr. ECON, REED COL, 45-47, from asst. prof. to assoc. prof, 47-57, PROF, 57- Vis. lectur, Univ. Col. N.Staffordshire, Eng, 58-59; vis. prof, California, 61-62. Econ. Asn. Economic theory; international economics; money, banking and business cycles. Publ: Von Thunen's theory of distribution and the advent of marginal analysis, J. Polit. Econ; Supply and demand analysis of interest rates & Equilibrium rate of interest, Am. Econ. Rev. Address: 3817 S.E. Knight, Portland, Ore. 97202.
- LEIGH, DR. WARREN W, b. Malad, Idaho, Sept. 30, 96. ECONOMICS, BUSINESS ADMINISTRATION. A.B. Utah, 20; M.B.A. Northwestern, 24, Ph.D., 36; Harvard, 22. Prof. bus. admin, AKRON, 26-62, dean COL. BUS. ADMIN, 53-62, EMER. DEAN, 62- Supvr. tires and tubes, Off. Rubber Reserve, 43-44, mgt. consult, 44- Mkt. Asn; Econ. Asn. Distribution of rubber and automotive products; automotive tire sales by distribution channels; gross margins and net profits of tire dealers. Address: 566 Northwood Dr, Akron, Ohio 44313.
- LEIGHTON, DR. ALBERT C(HESTER), Medieval Europe, Ancient Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LEIGHTON, DR. ALEXANDER HAMILTON, b. Philadelphia, Pa, July 17, 08; m. c. 2. A.B. Princeton, 32; M.A. Cambridge, 34; M.D. Hopkins, 36; hon. A.M. Harvard, 66. Intern, Hopkins, 36-37, house officer psychiat, 37-39, asst. resident, 39-41, chief resident & instr, 41-42; prof. sociol. & anthropol. & indust. & labor rels, Cornell, 46-66, dir. appl. anthropol. South West proj, 48-53, Stirling County proj, 48-56, prof. psychiat. & dir. prog. soc. psychiat, 56-66; PROF. SOC. PSYCHIAT. & HEAD DEPT. BEHAV. SCI. SCH. PUB. HEALTH, HARVARD, 68- Soc. sci. res. fel. anthropol, Columbia, 39-40; Guggenheim fel, 46-47; fel. Center Adv. Study Behav. Sci, Stanford, 57-58; Carnegie Reflective fel, Carnegie Corp, N.Y., 62-63. Consult, Bur. Indian Affairs, 48-50; tech. consult, Milbank Mem. Fund, 56-63; consult, Peace Corps, 61-63. Dir. at large, Soc. Sci. Res. Coun, 48-58, mem. cmt. psychiat. & soc. sci, 50-58; mem, Surgeon General's Adv. Cmt. Indian Health, 56-59; expert adv. panel ment. health, WHO, 57-; sub-panel behav. sci, President's Adv. Cmt, 61-62. Human Rel. award, Am. Asn. Adv. Mgt, 46-Med. C, U.S.N., 41-46, Comdr. Fel. AAAS; fel. Col. Psychiat; Psychopath. Asn; Sociol. Asn; Pub. Health Asn; Sociol. Res. Asn; cor. fel. Polish Psychiat. Asn; cor. mem, Can. Psychiat. Asn. Psychiatry; behavioral sciences; public health. Publ: The governing of men, Princeton, 45; My name is legion, Basic Books, 59; Co-ed, Approaches to cross-cultural psychiatry, Cornell, 65. Address: Harvard School of Public Health, 55 Shattuck St, Boston, Mass. 02115.
- LEIGHTON, PROF. DAVID S.R., b. Regina, Sask, Feb. 20, 28; m. 51; c. 5. MARKETING, BUSINESS ADMINISTRATION. B.A. Queen's (Ont), 50; Toronto, 50-51; M.B.A. Harvard, 53, D.B.A., 56. Res. assoc. MKT, sch. bus, Harvard, 53-56; asst. prof, WESTERN ONTARIO, 56-59, assoc. prof, 59-63, PROF, 63- Consult, Can. Coun. Consumer Affairs, 68- Dir, Gen. Steel Wares Ltd, 66- Mkt. Asn. Inter-cultural aspects of business; competitive behavior. Publ: Co-auth, Problems in marketing, 56 & Canadian problems in marketing, 59 & 65, McGraw; auth, International marketing, McGraw, 66. Address: Dept. of Marketing, University of Western Ontario, London, Ont, Can.
- LEIGHTON, PROF. GERTRUDE C.K., b. Belfast, N.Ireland, Dec. 9, 14; U.S. citizen. POLITICAL SCIENCE. A.B. Bryn Mawr Col, 38; LL.B. Yale, 45, fel, 47-48, Lectr, Barnard Col, Columbia, 40-42; law assoc, Carter, Ledyard & Milburn, N.Y. 45-47; asst. law sch, Yale, 48-49, vis. lectr. law, 49-50; asst. prof. POLIT. SCI, BRYN MAWR COL, 50-54, assoc. prof, 55-63, PROF, 64-, Rockefeller Found. fel. & grant, 57-58. Fund Adv. Ed. faculty fel, 53-54; lectr, law sch, Pennsylvania, 59-61, vis. assoc. res. prof, 61-65. Polit. Sci. Asn; Soc. Int. Law; Bar Assn. International law; rights of man in the world community; constitutional illusions versus rational actions: law and psychiatry. Publ: A psychodynamic approach to law, (in prep). Address: Hollow Rd, Radnor, Pa. 19087.
- LEIGHTON, DR. RICHARD I., b. Newburyport, Mass, May 11, 34; m. 63; c. 1. ECONOMICS. B.A. Tufts, 57; Ph.D.(econ), Duke, 61. Instr. ECON, Duke, 60-61; asst. prof, Col. William & Mary, 61-63; Western Reserve, 63-64; STATE UNIV. N.Y. BINGHAMTON, 64-67, ASSOC. PROF, 67- State Univ. N.Y. Faculty fells, 67, 68. Econ. Asn. Balance of payments adjustments. Publ: An empirical study of state trading, South. Econ. J, 63; Flexible exchange rates and national income, S.African J. Econ, 66; Role of Capital in balance of payments corrections, Indian J. Econ, 67. Address: Dept. of Economics, State University of New York at Binghamton, Binghamton, N.Y. 13901.
- LEIMAN, DR. CHARLES J(OHN), b. Baltimore, Md, July 4, 17; m. 44; c. 4. PSYCHOLOGY. Ph.D.(psychol), Kentucky, 52. Asst. chief clin. psychologist, regional off, Vet. Admin, Baltimore, Md, 51-58; SUPVR. PSYCHOL. SERV, BALTIMORE COUNTY SCHS, 58- Vis. lectr. Maryland; lectr, Towson State Col. & Loyola Col, 66-67. Consult, voc. rehab. div, State Dept. Ed; Jewish Big Bro. League, Baltimore, 59-; Lutheran Soc. Serv, 61-; Shepard & Pratt Hosp, Towson, 67- U.S.A.A.F, 41-45. Psychol. Asn. Projective techniques; perceptual processes; group dynamics. Publ: Study of the validity of the T.A.T. and a set of animal pictures, J. Clin. Psychol. Address: 3 Wingate Garth, Timonium, Md. 21093.
- LEIMAN, DR. JOHN M(ELVIN), b. Butler, Ohio, May 29, 19; m. 42; c. 3. PSYCHOLOGY, STATISTICS. B.S. Ohio State, 40; M.S. Oregon, 47; Ph.D. (psychol), Washington (Seattle), 51. Asst. prof. psychol, West. Wash. State Col, 49-51; chief statist. methodology & anal. br, Air Force Personnel & Training Res. Center, 51-58; soc. scientist, SYST. DEVELOP. CORP, SANTA MONICA, 58-65, SR. HUMAN FACTORS SCIENTIST, 65- Part-time faculty, Calif. State Col. Los Angeles, 65- U.S.A., 41-46, Capt. AAAS; fel. Psychol. Asn; Statist. Asn; Asn. Comput. Mach; Sci. Res. Soc. Am. Personnel selection, classification, evaluation and management: use of computers in social and behavioral sciences; statistics applications. Address: 857 Leonard Rd, Los Angeles, Calif. 90049.
- LEININGER, DR. MADELEINE M, b. Sutton, Nebr, July 13, 25. APPLIED ANTHROPOLOGY. B.S. Mt. St. Scholastica Col, 50; Nat. Inst. Ment. Health trainee, Catholic Univ, 52-53, M.S.N., 53; U.S. Pub. Health Serv. fel, Washington (Seattle), 63-65, Ph.D.(anthropol), 66. Staff specialist, St. Anthony's Hosp, Denver, Colo, 47-48; col. health nurse, Mt. St. Scholastica Col, 48-50; teaching supvr. psychiat. nursing & dir, Creighton Univ. & St. Joseph's Hosp, 50-54; assoc. prof. grad. nursing ed, Cincinnati, 54-60; PROF. ANTHROP. & NURSING, COLORADO, 66- Res. assoc, Washington(Seattle), 56-66; Nat. League Nursing spec. fel, 59-63. Mem, Grad. Res. Cmt. Doctoral & Predoctoral fells, 66-; Univ. Colorado grad. rep, West. Interstate Cmn. Higher Ed, 66- Fel. Anthropol. Asn; fel. Soc. Appl. Anthropol. Ethnological health-illness systems of western and nonwestern societies; culture and personality; culture and mental health; culture change; social structure and personality. Publ: Co-auth, Basic psychiatric concepts in nursing, Lippincott, 60 & rev. ed, 65; auth, Anthropology and nursing, Wiley, (in press); Ethnography of the Gadsups (eastern highlands of New Guinea), Univ. Washington, (in press). Address: Dept. of Anthropology, University of Colorado, Boulder, Colo. 80302.
- LEININGER, DR. WILLIAM J(OSEPH), b. Madison, Wis, Mar. 7, 37; m. 63; c. 2. ECONOMICS. A.B. Notre Dame, 59; Ph.D.(econ), 63. Economist, econ. projections & anal, Humble Oil & Ref. Co, 63-66; mkt. econometrician, mkt. projections & econ. anal, Chrysler Corp, 66, supvr, quant. anal, 66-67; quant. economist, OPERS. RES. INC, 67, proj. leader quant. econ, 67, PROG. DIR. ECON. ANAL, 67- Lectr, Mich. State-Oakland, 66-67. Econ. Asn. Quantitative economic analysis; economic forecasting; cost-benefit and cost-effectiveness analysis. Publ: Forecasting in autos, Annual Forecasting Meeting ASA, 4/67; co-auth, Preliminary report on the development of a PPB system for the economic development program of Greece, Opers. Res. Inc. Tech. Manual, 9/67. Address: 2015 Lanier Dr, Silver Spring, Md. 20910.

- LEINO, DR. WALTER B, b. Ely, Minn, Apr. 13, 15. COUNSELING PSYCHOLOGY. B.A. Minnesota, 38, B.S. 40, M.A. 46, Ph.D. 56. Dir. guid. pub. schs, Colo, 46-47; instr. psychol, Duluth Jr. Col, 47-48; asst. prof. & dean men, Augustana Col.(S.Dak), 49-50; instr. & sr. counsr, gen. col, Minnesota, 50-56; psychologist, ST. PAUL PUB. SCHS, 56-59, asst. dir. tests & measurements div, 59-66, SR. PSYCHOLOGIST & DIR. DIV. RES. & EVAL, 67-Med.Serv.C, U.S.A. 41-46, Res, 46-, Col. Psychol. Asn; Personnel & Guid. Asn; Nat. Ed. Asn. Group and conjoint counseling and therapy; psychological diagnosis and mental health. Address: 600 11th Ave. S.E, Minneapolis, Minn. 55414.
- LEIPNIK, DR. ROY B(ERGH), Math, see 11th ed, Phys. & Biol. Vols.
- LEIS, DR. PHILIP E(DWARD), b. Newburgh, N.Y, Oct. 19, 31; m. 57; c. 2. ANTHROPOLOGY. B.A. Antioch Col, 54, Ford Found. For. Area fel, North-western, 57-59, Ph.D.(anthrop), 62. Vis. lectr. ANTHROP, Nat. Col. Ed, summer, 60; instr, Iowa, 60-61, asst. prof, 61-62; BROWN, 62-67, ASSOC. PROF. & DIR. ANTHROP, 67- Nat. Sci. Found. fel, 65-68. Anthropol. Asn; African Studies Asn. Comparative religion, education and political organization; cultures of sub-Saharan African societies. Publ: Palm oil, illicit gin, and the moral order of the Ijaw, Am. Anthropologist, 8/64; Collective sentiments as represented in Ijaw divination, J. Folklore Inst, 12/64; The nonfunctional attributes of twin infanticide in the Niger delta, Anthropol. Quart, 7/65. Address: Dept. of Sociology & Anthropology, Brown University, Providence, R.I. 02912.
- LEISENBERG, PROF. AVERY, b. June 27, 13; m. 36; c. 4. POLITICAL SCIENCE. A.B. Illinois, 34, Soc. Sci. Res. Coun. fel, 37-38; Ph.D. Chicago, 41. Field exam, Nat. Labor Rels. Bd, 38-40; instr. polit. sci, Princeton, 40, asst. prof, 42-43; prin. budget exam, U.S. Bur. Budget, 44-45; asst. prof. POLIT. SCI, Chicago, 48-52; PROF. VANDERBILT, 52-, head dept, 52-65. Vis. prof, Centre Study Developing Soccs, New Delhi, India, 66-67. Ed, J. Polit, 61-65. Fel. AAAS; Polit. Sci. Asn. (pres, 66, v.pres, 67); Indust. Rels. Res. Asn. Political parties and public opinion; political theory and comparative politics; government and labor. Publ: Administrative regulation, a study in representation of interests; Parties and politics; ed, The American South in the 1960's, Praeger, 65. Address: 3605 Saratoga Dr, Nashville, Tenn. 37205.
- LEISENBERG, DR. MARK W(HITTLESEY), b. Toledo, Ohio, Oct. 23, 23; m. 49; c. 5. ECONOMICS. B.A. Harvard, 48, fel, 48-51, M.A. 49, Ph.D.(econ), 55. Economist & prog. officer, Econ. Coop. Admin, Mutual Security Agency & For. Ops. Admin, 51-53; instr. ECON, YALE, 54-55, asst. prof, 55-61, ASSOC. PROF, 61-, DIR. PAKISTAN PROJ, 65- Wertheim fel, 56; Soc. Sci. Res. Coun. fel, 59-60; joint dir, Pakistan Inst. Develop. Econ, Karachi, 62-64. Consult, joint econ. cmt, U.S. Cong, 59; Ford Found, 61; Agency Int. Develop, 62; Coun. Econ. Adv, 61 & 65- Mem. factfinding panel, Conn. Munic. Employee Rels. Act, 65- U.S.A. 43-46. Econ. Asn; Indust. Rel. Res. Asn. Wage theory; wage structure and labor market; comparative collective bargaining systems. Publ: Wages and economic control in Norway, 1945-1957, Harvard, 59; Wage price policies in Europe, Joint Econ. Cmt, U.S. Govt. Printing Off, 59; Wage decisions and wage structures in the United States, In: Wage structure in theory and practice, North-Holland, 66. Address: Dept. of Economics, Yale University, New Haven, Conn. 06520.
- LEISENBERG, DR. MICHAEL AVERY, b. Chicago, Ill, Feb. 12, 39; m. 66; c. 1. POLITICAL SCIENCE. B.A. Princeton, 61; M.A. Yale, 63, Ph.D.(polit. sci), 66. ASST. PROF. POLIT. SCI, CALIFORNIA, BERKELEY, 67- Japanese and American government and politics; comparative analysis; coalition behavior; political economy. Publ: The study of coalition behavior, Holt, 68; Coalitions and politics, Yale Univ, 69; Factions and coalitions in one-party Japan, Am. Polit. Sci. Rev, 9/68. Address: Dept. of Political Science, University of California, Berkeley, Calif. 94720.
- LEITCH, PROF. ANDREW, b. Glencoe, Ont, Dec. 16, 85; nat. m. 11, 30, 52; c. 2. PSYCHOLOGY. B.A. Butler, 11, M.A. 12, D.D. 56; B.D. Yale, 14, Hooker-Dwight & Currier fel. & Ph.D.(philos), 19; summers, Columbia, 21-23, Chicago, 28, Pennsylvania, 29, Harvard, 36. Prof. PSYCHOL, BETHANY COL.(W.VA), 20-60, EMER. PROF, 60- Prof, Butler, summers, 24-30; Belmont County Br, Ohio Univ, 60-66. Psychol. Asn. Educational psychology; intelligence tests. Address: P.O. Box 162, West Liberty, W.Va. 26074.
- LEITENBERG, DR. HAROLD, b. New York, N.Y, May 31, 39; m. 60; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. City Col. New York, 60; U.S. Pub. Health Serv. fel, Indiana, 64-65, Ph.D.(exp. psychol), 65. ASST. PROF. PSYCHOL, VERMONT, 65- Nat. Sci. Found. Instnl. grant. Conditioned Acceleration, 65-66; U.S. Pub. Health Serv. grants, 65-66. Proj. consult, U.S. Pub. Health Serv, 66; co-prin. investr, res. grant, Nat. Inst. Ment. Health, 67-69, consult, proj. grant, 70- AAAS; Psychol. Asn; Asn. Adv. Behav. Ther. Experimental analysis of behavior, especially operant conditioning, punishment, aversive and motivating properties of non-reward, behavior therapy, and behavioral pharmacology. Publ: Is time-out from positive reinforcement an aversive event? Psychol. Bull, 65; Punishment training with and without an escape contingency, J. Exp. Psychol, 67; The contribution of selective positive reinforcement and therapeutic instructions to systematic desensitization therapy, J. Abnorm. Psychol, (in press). Address: Dept. of Psychology, University of Vermont, Burlington, Vt. 05401.
- LEITER, PROF. ROBERT D(AVID), b. New York, N.Y, June 2, 22; m. 66. ECONOMICS. B.S. City Col. New York, 41; M.A. Columbia, 44, Ph.D. 47. Tutor ECON, CITY COL. NEW YORK, 44-47, instr, 47-52, asst. prof, 52-57, assoc. prof, 57-64, PROF, 65- Rockefeller award, 54-56. Consult, New York City Dept. Labor, 65-66. Econ. Asn; Indust. Rels. Res. Asn. Trade unionism; arbitration; labor problems. Publ: The Teamsters Union, Bookman, 57; Featherbedding and job security, Twayne, 64; Modern economics, Barnes & Noble, 68. Address: 263 West End Ave, New York, N.Y. 10023.
- LEITER, DR. RUSSELL G(RAYDON), Psychol, see 10th ed, Soc. & Behav. Vols.
- LEITH, PROF. JAMES A, Mod. European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LEIVICK, DANIEL, b. New York, N.Y, Dec. 23, 18; m. 41; c. 2. ECONOMICS. B.S. City Col. New York, 39; M.A. Ohio State, 49. Mgt. analyst, Hqs. Air Materiel Command, Ohio, 46-51; comptroller, Aeronaut. Chart Serv, 51-52; chief limited war team, OPERS. ANAL, HQS, U.S. AIR FORCE, 52-65, CHIEF AIRLIFT/LOGISTICS DIV, 65- U.S.A.A.F, 42-45. Econ. Asn; Opers. Res. Soc. Operations research; cost and effectiveness analysis; systems analysis; statistics. Address: 6508 Kenhowe Dr, Bethesda, Md. 20034.
- LEJINS, PROF. PETER P, b. Moscow, Russia, Jan. 20, 09; nat. m. 37. SOCIOLOGY. Mag. Phil, Latvia, 30, Mag. Jur, 33; Paris, 34; Rockefeller fel, 34-36; Ph.D. Chicago, 38. Docent & holder chair criminal law, Latvia, 38-40; asst. prof. SOCIOL, MARYLAND, 41-44, assoc. prof, 44-47, PROF, 47-, DIR. CRIMINOL. PROG, 67-, acting chmn. dept. sociol, 44-46, 61. Consult, U.S. Air Force, 51-; U.S. Dept. Interior, 60-61; U.S. correspondent on soc. defense, UN, 65-; consult, President's Cmn. Law Enforcement & Admin. of Justice, 66-67. Ed. J. Res. in Crime & Delinquency, 68. Mem. exec. cmt, Correctional Serv. Assocs, 47-50; adv. coun. Inst. Criminol. Res, D.C., 55-, chmn. res. cmt, 57-; mem. adv. bd, Patuxent Inst. Defective Delinquents, 55-; chmn. consult. cmt. uniform crime reporting, Fed. Bur. Invest, 58, 59, consult, 60-; v.pres, Health & Welfare Coun, 59-61; pres. adv. bd, Md. Children's Center, 59-67; mem. Gov. Cmn. Children & Youth, Md, 59-67; chmn. Gen. Cmt. Ed. Policy, 61; mem. adv. cmt, Task Force on Study of Correctional Syst. of Pa, 61-64; exec. cmt. of prfnl. coun, Nat. Coun. Crime & Delinquency, 61-, nat. res. & info. center adv. coun, 62-; chmn, D.C. Cmn. Cmt. Youth Opportunity & Community Improv. In conjunction with President's Cmn. on Juvenile Delinquency & Youth Crime, 62-63; mem. bd, Wash. Action for Youth, 63-64; bd. dirs, Planning & Res. Cmt, United Planning Orgn. of D.C., 63-; v.chmn. bd, Joint Cmn. Manpower Training in Corrections, 64-; mem. Cmn. Study Correctional Syst. of Md, 66-67; Task Force on Corrections, Md. Crime Cmn, 68- Exec. mem. cmt. Am. participation, Int. Cong. Criminol, France, 50; U.S. del. Int. Penal & Penitentiary Cong, Netherlands, 50; UN Cong. Prev. Crime & Treatment Offenders, Switz, 55, Eng, 60, Sweden, 65. Sociol. Asn; Correctional Asn.(v.pres, 59-61, pres. elect, 61-62, pres, 62-63); Int. Soc. Criminol. Criminology; concept of imitation and imitation as a factor in crime; juvenile delinquency; corrections. Publ: Uniform crime reports, Mich. Law Rev, Vol. 64, No. 6; National crime data reporting system: proposal for a model, In: Task force report: crime and its impact—an assessment, President's Cmn. on Law Enforcement & Admin. of Justice, 67; The field of prevention, In: Delinquency prevention, Prentice-Hall, 67. Address: Dept. of Sociology, University of Maryland, College Park, Md. 20740.
- LEKACHMAN, PROF. ROBERT, b. New York, N.Y, May 12, 20; m. 48. ECONOMICS. A.B. Columbia, 42, Ph.D.(econ), 54. Instr. ECON, Barnard Col, Columbia, 48-65; from asst. prof. to PROF. & CHMN. DEPT., STATE UNIV. N.Y. STONY BROOK, 65- Rockefeller Found. fel, 60-61. U.S.A., 42-45, Sgt. Econ. Asn; Royal Econ. Soc. History of economic doctrine; current economic policy. Publ: History of economic ideas, Harper, 59; Age of Keynes, Random, 66. Address: Dept. of Economics, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- LELAND, DR. HENRY, b. New York, N.Y, Feb. 13, 23; m. 48; c. 3. PSYCHOLOGY. B.A. San Jose State Col, 48; Ph.D. Sorbonne, 52. Sr. clin. psychologist, State Ment. Health Cmn, N.Y. 52-54; psychologist, Asn. Help Retarded Children, 54; dir. dept. psychol. serv, Muscatuck State Sch, Butlerville, Ind, 54-57; chief clin. psychologist, PARSONS STATE HOSP. & TRAINING CENTER, 57-63, COORDINATOR PRFNL. TRAINING, ED. & DEMONSTRATION, 63- Assoc. prof, Kans. State Col, 58; res. assoc, Kansas, 63- Consult. ed, Am. J. Ment. Deficiency, 60. U.S.A., 42-45, Sgt. AAAS; Psychol. Asn; fel. Asn. Ment. Deficiency. All areas involved with the treatment, diagnosis and etiology of mental retardation with children, especially treatment modalities. Publ: Co-auth, Play therapy with mentally subnormal children, Grune, 65; Psychometabolic changes in phenylketonuria treated with low phenylalanine diet, Am. Med. Asn. Arch. Internal Med; Unstructured material in play therapy for emotionally disturbed, brain damaged, mentally retarded children, Am. J. Ment. Deficiency. Address: Parsons State Hospital & Training Center, Parsons, Kans. 67357.
- LELAND, DR. LORRAINE ABEL, b. Jersey City, N.J, Aug. 23, 11; m. 42. CLINICAL PSYCHOLOGY. B.A. Columbia, 30, M.A. 31, Ph.D.(psychol), 36. Asst. psychologist, Vineland State Sch, N.J. 38-39; psychologist, Bur. Juvenile Res, Ohio, 39-41; suprvy. psychologist, Univ. Child Guid. Clin, Ohio, 41-42; suprv. women's counseling serv, Grumman Aircraft Co, L.I., 42-45; rehab. coordinator & psychologist, Triboro Hosp, Jamaica, 46-52; CLIN. PSYCHOLOGIST, 52- Consult, pediat. serv, Meadowhove Hosp. Psychol. Asn. Projective techniques. Address: 2 Bayberry Ridge, Roslyn, N.Y. 11576.
- LELAND, DEAN SIMEON E(LBRIDGE), b. Madison, Ind, Sept. 2, 97. ECONOMICS. A.B. DePauw, 18, LL.D. 47; A.M. Kentucky, 19; Harvard, 19-20; Ph.D. Chicago, 26; LL.D. Northwestern, 66. Assoc. prof. econ, Kentucky, 24-26, prof, 26-28, dir. bur. bus. res, 27-28; assoc. prof. econ, Chicago, 28-31, prof, 31-38, govt. finance, dept. econ. & polit. sci, 38-46, acting chmn. dept. econ, 39, chmn, 40-46; PROF. ECON, 46-, EMER. DEAN COL. ARTS & SCI, 66-, dean, 46-66. Dir, Fed. Reserve Bank of Chicago, 40-47, chmn. bd, 42-46. Spec. adv. to U.S. Secy. Treasury, 33-34; consult, Nat. Resources Cmt, 35-36; Tenn. Valley Authority, 39; U.S. Bur. Budget, 40-48; fiscal adv. to Panama, 46, Chile, 50. Chmn. State Tax Cmn, Ill, 36-40. Hart, Schaffner & Marx prize, 26. Econ. Asn; Royal Econ. Soc. Classified property tax; taxation in Kentucky. Address: 2702 Sheridan Rd, Evanston, Ill. 60201.
- LELAND, PROF. T(HOMAS) WILLIAM, Acct, Bus. Admin, see 10th ed, Soc. & Behav. Vols.
- LELCHUCK, DR. LOUIS, b. Brooklyn, N.Y, Aug. 23, 24; m. 52; c. 2. CLINICAL PSYCHOLOGY. B.A. Adelphi Col, 49; U.S. Pub. Health Serv. Fel, Cincinnati, 51-52; M.S. Purdue, 51, Ph.D.(clin. psychol), 53. Chief psychologist, Dayton Receiving Hosp. for Children, Ohio, 53-54; Child Psychiat. Clin, Univ. Hosps. of Cleveland, 54-57; sr. clin. psychologist, depts. pediat. & neuropsychiat, St. Luke's Hosp. of Cleveland, 57-63; instr. psychol, SCH.

- MED. CASE WESTERN RESERVE, 56-57, sr. instr. 57-60, ASST. PROF. CLIN. PSYCHOL. 60-; DIR. PSYCHOL. SERV. CLEVELAND METROP. GEN. HOSP. 63-; ADMIN. DIR. COMPREHENSIVE CARE PROG. 66- Lectr. eve. div. Fenn Col. 56-59. Consult. Cleveland Metrop. Gen. Hosp. 57-, sch. nursing, 59-; Beech Brook Childrens Home, 57-; bd. ed. Shaker Heights, 58-; Health Hill Convalescent Hosp. for Children, 66- U.S.A. 43-46. Psychol. Asn. Relationship between emotional functioning and intellectual functions; mental retardation; relationship of psychology to pediatric practice; childhood behavior disorders; personality theory; battered, abused, failure-to-thrive child; comprehensive care of handicapped. Publ. Community health—comprehensive care, Nemours Found, 67; co-auth. Comprehensive care of handicapped child, Am. J. Pediatr. 66. Address: Cleveland Metropolitan General Hospital, 3395 Scranton Rd, Cleveland, Ohio 44109.
- LELE, DR. JAYANT K, b. Sinar, India, May 25, 35; m. 60; c. 1. SOCIOLOGY, POLITICAL SCIENCE. B.A. Poona, 56, M.A. 58; Ford Found. fel. Cornell, 60, Ph.D. (rural sociol.), 64. Res. sociologist, Ford Found. 58-60; instr. rural sociol. Cornell, 64-65; asst. prof. SOCIOLOGY, QUEEN'S (ONT), 65-68, ASSOC. PROF. 68- Agr. Develop. Coun.-Can. Coun. res. grant, rural polit. process, India, 66-67. Sociol. Asn; Rural Sociol. Soc; Can. Sociol. & Anthropol. Asn. Political sociology; sociology of economic development; comparative study of leadership and factionalism in modern and transitional societies. Address: Dept. of Political Studies, Queen's University, Kingston, Ont, Can.
- LELONG, DR. DONALD C, b. Verona, N.J., May 27, 29; m. 52; c. 3. ECONOMICS. B.A. Middlebury Col. 51; M.A. Syracuse, 52, Ph.D. 57. Instr. statist. Syracuse, 56-57, asst. prof. econ. & statist. 57-58, asst. dean col. bus. 58-60; Ford Found. asst. country rep. Karachi, Pakistan, 60-62; lectr. econ. & dir. grad. center study, Colo. Col. 62-64; assoc. prof. econ. dir. instr. res. & asst. to pres. Bowling Green State, 64-67; DIR. OFF. INSTNL. RES. MICHIGAN, 67- Mem. cmt. on taxation, Am. Coun. Ed. 65- U.S.A. 52-54. Econ. Asn; Asn. Instnl. Res. Address: Office of Institutional Research, University of Michigan, 4015 Administration Bldg, Ann Arbor, Mich. 48105.
- LEMAIRE, PROF. MINNIE E(THEL), b. Taunton, Mass, July 15, 08. GEOGRAPHY. B.A. Wheaton Col. 30; Ph.D. (geog.) Clark, 35. Instr. Wis. State Teachers Col. (La Crosse), 35-43; head dept. geog. Pa. State Teachers Col. (E. Stroudsburg), 43-47; from assoc. prof. to PROF. GEOG. MT. HOLYOKE COL. 47- Asn. Am. Geog. fel. Am. Geog. Soc; Soc. Woman Geog; fel. Nat. Coun. Geog. Ed. Geographic aspects of tropical agriculture. Address: Dept. of Geography, Mt. Holyoke College, South Hadley, Mass. 01075.
- LEMARCHAND, DR. RENÉ, b. Nantes, France, Apr. 3, 32; m. 59. POLITICAL SCIENCE. B.A. Southwest Col. 53; M.A. California, Los Angeles, 57, grant, 60, Ph.D. (polit. sci.), 63; Ford Found. grant, Univ. Lovanium, Kinshasa, 60. Asst. polit. sci. California, Los Angeles, 57-59; sociol. Solvay Inst. Sociol. Brussels, 61-62; instr. POLIT. SCI. FLORIDA, 62-63, ASST. PROF. 63- Soc. Sci. Res. Coun. grant, Africa, 64; Fulbright Hays fel. Cent. Africa, 66. Polit. Sci. Asn; African Studies Asn. Comparative government, especially problems of political development in sub-Saharan Africa. Publ. Political awakening in the Congo, Univ. California, 64; The limits of self-determination: the case of the Katanga, Am. Polit. Sci. Rev. 6/62; Power and stratification in Rwanda: a reconsideration, Cahiers d'Études Africaines, 66. Address: Dept. of Political Science, University of Florida, Gainesville, Fla. 32601.
- LEMELIN, PROF. CHARLES, b. Lévis, Que., Dec. 11, 12; m. 45; c. 2. ECONOMICS. B.A. Col. de Lévis, 38; B.Sc. Agr. Laval, 42; M.P.A. Harvard, 49, Ph.D. (econ), 51. PROF. ECON. FACULTY SOC. SCI. LAVAL, 47- Publ. Social impact of industrialization on agriculture in the Province of Quebec, 53 & Etendue et modalités de la planification dans le secteur de l'agriculture au Canada, 61 & 62, Culture; Migration and economic development, Can. J. Agr. Econ., 65. Address: Faculté des Sciences Sociales, Université Laval, Quebec, 10, Que. Can.
- LEMELLE, DR. TILDEN J, b. New Iberia, La, Feb. 6, 29; m. 59; c. 3. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. A.B. & univ. fel. Xavier, 53, M.A. & univ. fel. 58; fel. & Ph.D. (int. rels. African polit), Denver, 65. Instr. Eng. & for. lang. Grambling Col. 57-59, ASST. PROF. 59-63; AFRICAN POLIT. & INT. RELS. Northern Illinois, 65-66; FORDHAM, 66- Hudson Inst. scholar, summer, 67; U.S. Off. Ed. lectureship, 68; Soc. Sci. Found. res. grant African polit, summer, 68. Consult. curriculum develop. Cuttington Col. Liberia, W. Africa, summer 68. Mem. bd. dirs. Africa Today Assocs. Inc. & ed. bd. Africa Today, 66- Intel. C. U.S.A. 53-56. Polit. Sci. Asn; fel. African Studies Asn. African politics; political development in syncretic societies; political revolution in poly-dysfunctional societies. Publ. Co-auth. Comparison of two methods of teaching remedial English to college freshmen, Grambling Col. 64; auth. The individual in the state: an African concept, N.Y. Polit. Sci. Asn. Bull. 67; Black ideology: African-American style, Africa Today, 67. Address: 100 DeHaven Dr, Yonkers, N.Y. 10703.
- LEMELLE, DR. WILBERT J, b. New Iberia, La, Nov. 11, 31; m. 58; c. 4. COMPARATIVE POLITICS, INTERNATIONAL RELATIONS. B.A. Notre Dame, 55, M.A. 56; Ph.D. (int. rels.), Denver, 63. Instr. hist. & philos. Grambling Col. 56-57, asst. prof. 59-61; teaching fel. dept. int. rels. Denver, 61-62, res. asst. 62-63; asst. prof. govt. & res. assoc. center develop. res. African studies prog. Boston, 63-65, dir. studies & training for Agency Int. Develop. personnel, 64-65; PROG. OFFICER, MID. EAST & AFRICA PROG. FORD FOUND, 65- Mem. correspondence faculty, Univ. Minnesota, 62-64. Consult. Guinea proj. Agency Int. Develop. 63-65; Greater Hartford Chamber Commerce, 64. U.S.A. 57-59. Polit. Sci. Asn; African Studies Asn. Politics of economic development in the new African states; administrative development in African states and political leadership in the states of former French Africa. Publ. Bibliographie selective des livres, articles et documentations traitant le sujet des problèmes administratifs Africains, Center for Develop. Res. Boston Univ. 64; co-auth. Readings on African administration, Boston Univ. 64; auth. A return to the theme of Senghor's African road to socialism, Phylon, winter 66. Address: 6 Gilbert Park, Ossining, N.Y. 10562.
- LEMERT, DR. B(ENJAMIN) F(RANKLIN), Econ. Geog. see 10th ed, Soc. & Behav. Vols. deceased 63.
- LEMERT, PROF. EDWIN M(CARTY), b. Norwood, Ohio, May 8, 12. SOCIOLOGY. A.B. Miami (Ohio), 34; scholar, Harvard, 38; Ph.D. Ohio State, 39. Mem. faculty, Ohio State, 35-39; Kent State, 39-41; Western Michigan, 41-44; asst. prof. SOCIOLOGY, CALIFORNIA, Los Angeles, 44-53, PROF. DAVIS, 53-, chmn. dept. 53-63. Researcher, Kalamazoo State Hosp. Mich. 43. Consult. Calif. Sociol. Asn; President's Cmn. Law Enforcement & Admin. Justice, 66-67. Sociol. Asn. Social maladjustment and control. Publ. Social pathology; Alcohol and the northwest coast Indians; Human defiance, social problems and social control, Prentice-Hall, 67. Address: Dept. of Sociology, University of California, Davis, Calif. 95616.
- LEMESHOW, PROF. SEYMOUR, b. Brooklyn, N.Y., Aug. 1, 22; m. 53; c. 4. EDUCATION, PSYCHOLOGY. B.A. West. Md. Col. 48; M.A. Columbia, 51; Ed.D. N.Y. Univ. 66. Counsr. Jewish Voc. Serv. 54-56; teacher, Parsippany, High Sch. 56-58; psychologist, Parsippany Bd. Ed. 58-59; W. Morris Regional Schs. 59-60; E. Side Union High Sch. Dist. Calif. 60-61; assoc. prof. psychol. & ed. JERSEY CITY STATE COL. 61-65, DIR. ED. DEVELOP. CLIN. 65-, PROF. SPEC. ED. & CHMN. DEPT. 66- Consult. Proj. Apex, N.Y. Univ. 64-65, Nat. Teacher Corp. vis. prof. summer, 66. U.S.A. 43-46. Psychol. Asn; Asn. Ment. Deficiency; Coun. Except. Children. Development of a self-reporting, self-administering check list of teacher operational problems. Publ. Teacher operational problems—identification, Ed. Testing Serv. 66; Teacher education in 2015—projected outline, J. Teacher Ed. 6/65; The organization of problems teachers face, J. Sec. Ed. 4/68. Address: 15 Bedford Rd, Kendall Park, N.J. 08824.
- LEMISCH, DR. JESSE, Am. Hist. see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LEMKE, PROF. BERNHARD C(ARL), b. Germantown, Wis. June 7, 09; m. 36. ECONOMICS, ACCOUNTING. A.B. Wisconsin, 32, A.M. 33; Ph.D. Minnesota, 46. Spec. asst. financial reports, state acct. off. U.S. Dept. Treas. 35-36; instr. North Dakota, 36-37; Iowa State Col. 37-41; assoc. prof. indust. econ. 45-49; acct. Arthur Anderson & Co. Minn. 43-45; PROF. ACCT. MICH. STATE, 49- Vis. prof. California, Los Angeles, summer, 50; Aziendale Grad. Bus. Sch. Italy, 59, 62. Econ. Asn; Am. Acct. Asn; Inst. Internal Auditors; Financial Exec. Inst. Publ. Co-ed. Administrative control and executive action. Address: Graduate School of Business Administration, Michigan State University, East Lansing, Mich. 48823.
- LEMKE, DR. ELMER ALLEN, b. Clintonville, Wis. Dec. 31, 32; m. 57; c. 3. PSYCHOLOGY. B.S. Stout State Col. 57, M.S. 59; Ph.D. (ed. psychol.) Wisconsin, 65. Asst. prof. eng. graphics, Marquette, 58-61; res. assoc. counseling & behav. studies, Wisconsin, 64-65; ASSOC. PROF. PSYCHOL. ILLINOIS STATE, 65- U.S.A. 52-55, S/Sgt. Ed. Res. Asn; Psychol. Asn. Human abilities and concept learning. Publ. Contrib. J. Ed. Psychol. 67; Teachers Col. J. 67; J. Genetic Psychol. 68. Address: Dept. of Psychology, Illinois State University, Normal, Ill. 61761.
- LEMLY, PROF. J(AMES) H(UTTON), b. Paris, Tex. Sept. 13, 14; m. 42; c. 2. ECONOMICS. B.A. Mississippi, 36, M.A. 48; D.B.A. Indiana, 52. Asst. prof. Mississippi, 48-49; lectr. Indiana, 52; asst. prof. bus. admin. Georgia, 52-55; from asst. prof. bus. admin. to PROF. MKT. & TRANSPORTATION, GA. STATE COL. 55- Historian, Gulf, Mobile & Ohio Rwy. Co. 51-53; Cent. Ga. Ry. Co. 55- Med. C. 42-44, Lt. Econ. Asn. Business history; urban and highway transportation; railroad transportation. Publ. Gulf, Mobile and Ohio, a railroad that had to expand or expire. Address: Dept. of Marketing, Georgia State College, Atlanta, Ga. 30303.
- LEMMON, PROF. WILLIAM BURTON, b. Cleveland, Ohio, Feb. 12, 16; m. 50; c. 4. CLINICAL PSYCHOLOGY. B.A. Western Reserve, 40; M.A. Ohio State, 41, Ph.D. (psychol.), 44. Asst. prof. psychol. & dir. clin. Maryland, 44-45; dir. guid. serv. OKLAHOMA, 45-46; asst. prof. PSYCHOL. 45-47, assoc. prof. 47-51, PROF. 51-, DIR. PSYCHOL. CLIN. 56-, CLIN. TRAINING IN PSYCHOL. 65- Consult. Enid State Sch. 45; State Dept. Ment. Health, 48; Okla. City Guid. Clin. 51; Govt. Cmt. Ment. Health, 54; Vet. Admin. 57, 59; Cent. State Griffin Mem. Hosp. 59. Psychol. Asn; Asn. Ment. Deficiency; Soc. Proj. Tech. & Personality Assessment; Acad. Psychother. Am. Acad. Arts & Sci. Psychotherapy and diagnosis. Address: Dept. of Psychology, University of Oklahoma, Norman, Okla. 73069.
- LEMON, DR. JAMES T(HOMAS), b. West Lorne, Ont. July 2, 29; m. 58; c. 3. GEOGRAPHY. B.A. Western Ontario, 55; B.D. Yale, 58; M.A. Wisconsin, 61, Can. Coun. fel. 62-63, univ. fel. 63-64, Ph.D. (geog.), 64. Asst. Prof. GEOG. California, Los Angeles, 64-67; TORONTO, 67-68, ASSOC. PROF. 68- Asn. Am. Geog.; Am. Geog. Soc; Agr. Hist. Soc; Econ. Hist. Asn. Historical geography of early America, especially Pennsylvania; occupation of areas, organization of space and land use. Publ. Agricultural practices of national groups in eighteenth century southeast Pennsylvania, Geog. Rev. 10/66; Household consumption in eighteenth century America, Agr. Hist. 1/67; Urbanization and development in early Pennsylvania, William & Mary Quart. 10/67. Address: Dept. of Geography, University of Toronto, Toronto 5, Ont, Can.
- LEMONS, DR. HOYT, b. Ill. Mar. 11, 14; m. 36; c. 3. GEOGRAPHY. B.E. Southern Illinois, 36; M.A. Nebraska, 38, Ph.D. (geog.), 41; Northwestern, 38-39. From instr. to asst. prof. geog. Okla. Agr. & Mech. Col. 40-42; asst. prof. geog. State Col. Wash. 42-45; consult. Off. Qm. Gen. 45-46, res. dir. environment. protection br. 46-52; res. coordinator, Fed. Civil Defense Admin. 52-54; asst. for res. Off. Surgeon Gen. U.S. Pub. Health Serv. 54-56; health resources off. Off. Defense Mobilization, 56-57; CHIEF, GEOPHYS. SCI. BR. U.S. ARMY RES. OFF. 57- Prof. lectr. Maryland, 52-65; mem. rev. cmt. earth sci. for Fulbright grants, Nat. Res. Coun. 50-53, chmn. cmt. phys. & biogeog. 52-54; chmn. U.S.-Can. Steering Cmn. Proj. HARP. 65; Army Res. Coun. 65- Asn. Am. Geog. (treas. 52-55); Geog. Soc; Meteorol. Soc; Arctic Inst. N.Am. Climatology; medical and military geography. Publ. Clothing for global man, Geog. Rev. Physical characteristics of disaster, Ann. Am. Acad. Polit. & Soc. Sci. Environmental research on high elevations, Mil. Rev. Address: 4317 S. Ninth St, Arlington, Va. 22204.

LEMPERT, LEONARD H (ARVEY), b. Montclair, N.J., May 12, 22; m. 50. ECONOMICS. B.S. Lehigh, 46; Am. Inst. Econ. Res. fel, 47-48. Dir. res. div. Am. Inst. Econ. Res. 50-54; instr. econ. & statist. exten. div. Massachusetts, 54-55; DIR. STATIST. INDICATOR ASSOCS, 54- U.S.A.A.F. 43-46. Econ. Asn; Statist. Asn. Business cycles. Address: Baldwin Hill, North Egremont, Mass. 01252.

LENBERG, DR. ROBERT A (LEIN), b. Foley, Minn., Feb. 9, 28; m. 53; c. 6. ECONOMICS. BUSINESS ADMINISTRATION. B.A. Brigham Young, 55; Kaiser Aluminum & Chem. Corp. fel, Minnesota, 58-59, M.S., 59, Ford Found. fels, 59-60 & 60-61, Ph.D. (bus. admin. econ. psychol), 65. Sr. radio instr. U.S. Air Force Training Command, Scott Air Force Base, Ill. 46-49; second counsr. to Pres. Norweg. Mission, Church of Jesus Christ of Latter-day Saints, Oslo, Norway, 50-52; asst. buyer floor coverings, Powers Dept. Stores, div. Assoc. Dry Goods Corp, Minn., 55-56, asst. gen. mgr. dept. store, 56-57; asst. prof. mkt. int. bus. & transportation, grad. sch. bus. admin. Washington, 61-66; dir. mkt. res. CORP. OFF. SIMPSON LEE PAPER CO., 66-67. DIR. CORP. PLANNING, 67- Econ. res. consult. bus. planning dept. Hanford Atomic Prod. Oper. Gen. Elec. Co, summer, 64; Atomic Energy Cmn. summer lectr. Hanford Center Grad. Study, Richland, Wash., 64 & 65; Atomic Energy Cmn. grant econ. impacts of Hanford Atomic Works 65. Chmn. res. cmt. graphic arts mkt. info. serv. Printing Indust. Am, 67- U.S.A.F. 46-49, S/Sgt. Econ. Asn; Mkt. Asn; Psychol. Asn. Marketing and economic research; corporate planning; international business; organization planning; management auditing; consumer and industrial psychology; operations research; marketing management; industrial development. Publ: Co-auth. Handbook of economic and human resources of the Tri-City (Washington) area, Hanford Atomic Prod. Oper. Gen. Elec. Co, 65; A study of recent changes in the Washington Tri-Cities economy: transition in review; Univ. Washington, 66; Auth. Reorganization of an international economic and marketing research department, In: Casebook for management and business policy: a systems approach, Int. Textbook, 68. Address: 1319 Highgate Rd, Kalamazoo, Mich. 49007.

LENCZOWSKI, PROF. GEORGE, b. St. Petersburg, Russia, Feb. 2, 15; m. 43; c. 2. POLITICAL SCIENCE. LL.M. Warsaw, 36; J.S.D. Lille, 37; Exeter Col, 37. Career officer, Polish For. Serv, Germany, Palestine & Iran, 38-45; res. fel. sch. adv. int. studies, Hopkins, 45-46; instr. polit. sci. & hist. Hamilton Col, 46-47, asst. prof. 47-51, assoc. prof. 51; vis. assoc. prof. POLIT. SCI, CALIFORNIA, BERKELEY, 52, Ford Found. fel, 52-53, vis. assoc. prof. 53-54, assoc. prof. 54-60, PROF. 60- Vis. prof. Oxford, 58. Int. rels. consult. Earl Newsom & Co, 51; Mid. East consult. Standard Oil Co (N.J.), 55- Mem. adv. cmt. study of corp. Fund for the Repub. Polit. Sci. Asn; Acad. Polit. Sci; Mid. East Inst. International relations; comparative government; Middle East; Soviet bloc. Publ: Russia and the West in Iran, 1818-1948; The Middle East in world affairs; Oil and state in the Middle East. Address: Dept. of Political Science, University of California, Berkeley, Calif. 94720.

LENG, DR. RUSSELL J, b. New York, N.Y., May 21, 38. POLITICAL SCIENCE, INTERNATIONAL POLITICS. B.A. Middlebury Col, 60; fel. American Univ, 62, Ph.D. (int. polit), 67; fel. Howard, 63. For. affairs analyst int. polit. legis. res. serv. Library Cong, 65-66; ASST. PROF. POLIT. SCI, MIDDLEBURY COL, 66- U.S.A. 60-62, 1st Lt. Polit. Sci. Asn; Int. Studies Asn. American foreign policy; theory of international politics. Publ: Reductio ad Vietnam, 4/65 & The U.N. and Vietnam, 2/66, The Nation. Address: Dept. of Political Science, Middlebury College, Middlebury, Vt. 05753.

LENG, PROF. S (HAO) C (HUAN), b. Chengtu, China, Feb. 14, 21; nat; m. 44; c. 1. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A. Central Univ, China, 43; M.A. Yale, 48; Ph.D. (polit. sci), Pennsylvania, 50. Lectr. far. east. affairs, Pennsylvania, 49-50; for. affairs, VIRGINIA, 50-52, asst. prof. 52-59, assoc. prof. 59-63, PROF. GOVT. & FOR. AFFAIRS, 63-, CHMN. CMT. ASIAN STUDIES, 65- Econ. Coop. Admin. grant, 49-50; Fulbright award, Japan, 56-57; Soc. Sci. Res. Coun-Am. Coun. Learned Soc. grant, 61-62; res. assoc. rule of law res. center, Duke, 64-65. Consult. Union Res. Inst. Chinese Air Force, 38-39. Polit. Sci. Asn; Asn. Asian Studies; Soc. Int. Law. Communist China and international law. Publ: Japan and communist China; Sun Yat-sen and communism; Justice in communist China, Oceana, 67. Address: Dept. of Government & Foreign Affairs, University of Virginia, Charlottesville, Va. 22901.

LENGYEL, PROF. EMIL, b. Budapest, Hungary, Apr. 26, 95; nat; m. 38; c. 1. INTERNATIONAL RELATIONS. D. Juris, Budapest, 18. Adj. prof. hist. & econ. Polytech. Inst. Brooklyn, 35-40; instr. SOC. STUDIES, sch. ed. N.Y. UNIV, 40-43, asst. prof. 43-47, assoc. prof. 47-53, prof. 53-60. EMER. PROF. 60-; PROF. HIST, FAIRLEIGH DICKINSON, 60-, CHMN. DEPT. SOC. SCI, 63- Lectr. U.S. Dept. Army, 42-45; Cooper Union, 55. Mem. Nat. Coun. Soc. Studies; For. Policy Asn-World Affairs Center. Econ. Asn; Acad. Polit. & Soc. Sci; Asian Soc; Mongolia Soc. Middle East social, economic and diplomatic relations; United States diplomatic history; reciprocal trade agreement program. Publ: From prison to power, Follett, 64; Land and people of Hungary, Lippincott, 65; Mahatma Gandhi, Watts, 67. Address: 239 E. 79th St, New York, N.Y. 10021.

LENN, PROF. THEODORE I, b. New York, N.Y., Dec. 21, 14; m. 46; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. A.B. N.Y. Univ, 38, M.A. 41, Ph.D. (sociol. anthrop), 53. Asst. prof. SOCIOL, CENT. CONN. STATE COL, 46-53, assoc. prof. 54-60, PROF. 60- Lectr. Hartford & Middlesex Mem. Hosps, 54-; U.S. Pub. Health Serv. fel, 58; Nat. Sci. Found. grant anthrop, 60. Family rels. consult. 55- U.S.A. 42-46, 1st Lt. Fel. Sociol. Asn; Asn. Marriage Counsr. Family therapy and therapy; community surveys and analysis. Publ: Some aspects of marriage counseling practice; Social stratification and the educative process; Contemporary sociology, Philos. Library, 58. Address: 16 Regency Dr, West Hartford, Conn. 06110.

LENNARD, DR. HENRY L (OEBLOWITZ), b. Vienna, Austria, July 2, 23; nat; m. 47; c. 3. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.S. City Col. New York, 45; M.A. N.Y. Univ, 49; Ph.D. Columbia, 55. Res. assoc. bur. appl. soc. res. Columbia, 51-55, prog. dir. 55-62, dir. ment. health prog. dept. sociol. & bur. appl. soc. res. 62-65; ASSOC. PROF. MED. SOCIOL. & PSYCHIAT,

MED. CENTER, CALIFORNIA, SAN FRANCISCO, 66-, RES. SPECIALIST, LANGLEY PORTER NEUROPSYCHIAT. INST, 67- Lectr. grad. faculty, New Sch. Soc. Res. 55-59, assoc. prof. 59-65; vis. prof. Colorado, 62-64; lectr. California, Berkeley, 66-; res. career scientist, Nat. Inst. Ment. Health, 67- Consult. Cold Spring Harbor Biol. Labs, 56-59; family ment. health clin. Jewish Family Serv, 59-61. Sociol. Asn; Psychol. Asn; Royal Soc. Med. Clinical sociology; interaction analysis; drugs and social systems. Publ: Co-auth. Interaction in families with a schizophrenic child, In: Family processes and schizophrenia; Social context and interaction process, Jossey-Bass Inc. Psychoactive drug action and group interaction processes, J. Nervous & Ment. Disease. Address: University of California School of Medicine, San Francisco, Calif. 94122.

LENNEBERG, PROF. ERIC H (EINZ), b. Duesseldorf, Germany, Sept. 19, 21; nat; div; c. 2. PSYCHOLOGY. B.A. Chicago, 49, M.A. 51; Ph.D. (psychol. ling), Harvard, 56. Res. assoc. psychol. Mass. Inst. Tech, 52-55; Harvard Med. Sch, 58-67; career investr. ment. health, U.S. Pub. Health Serv, 59-67; PROF. psychol. Michigan, 67-68; PSYCHOL. & NEUROBIOL, CORNELL, 68- U.S.A. 46-47. Psychol. Asn; Ling. Soc. Biology; physiological and neurological correlates of behavior; speech and language. Publ: New directions in the study of language, M.I.T. Press, 64; Biological foundations of language, Wiley, 67; Color naming, recognition and discrimination, Perceptual & Motor Skill. Address: Dept. of Psychology, Cornell University, Ithaca, N.Y. 14850.

LENNON, PROF. E (DWARD) JAMES, Speech Path, Audiol, see 11th ed, Phys. & Biol. Vois.

LENNON, PROF. LAWRENCE J, b. Olyphant, Pa, Sept. 26, 09; m. 38; c. 1. PSYCHOLOGY. B.A. Pa. State, 32, M.S. 33, Ph.D. 47. Dir. guid. pub. sch. dist. Pa, 38-42; asst. prof. ED. & PSYCHOL, SCRANTON, 47-49, assoc. prof. 49-54, PROF. 54- Consult. remedial ed, Elem. & Sec. Sch. Act, Pa, 66- U.S.A. 42-46, Maj. Psychol. Asn. Educational psychology; tests and measurement; guidance. Publ: Workbook for applied psychology. Address: Dept. of Education & Psychology, University of Scranton, Scranton, Pa. 18510.

LENNON, DR. ROGER T, b. New York, N.Y., May 18, 16; m. 42; c. 8. PSYCHOLOGY. A.B. Fordham, 35, M.A. 37; Ph.D. (psychol), Columbia, 52. Test ed, World Book Co, 37-42; DIR. TEST DIV, HARCOURT, BRACE & WORLD, INC, 48-, V.PRES, 62- U.S.A.A.F. 42-46. Psychol. Asn; Ed. Res. Asn; Personnel & Guid. Asn; Nat. Coun. Measurement in Ed. Development of psychological and educational tests; educational research. Publ: Co-auth. Otis-Lennon mental ability tests, Harcourt, 67. Address: 83 Hawthorn Place, Briarcliff, N.Y. 10510.

LENNOX, PROF. WILLIAM R (OBERT), b. St. Louis, Mo, Feb. 9, 12; m. 49; c. 3. PSYCHOLOGY. B.S. U.S. Naval Acad, 34; summer, Wyoming, 50; M.A. Southern California, 53. Welding engr, N.Y. Shipbldg. Co, 34-35; jr. officer, Civilian Conserv. Corps, 35-36, subdist. adj. 36-37, comdr. camps, 37-38; for. staff engr, Lago Oil & Transport Co, 38-40, 46-48; mgr. utilities, Electra, 48-49; instr. eng. Pasadena City Col, 53-54; eng. & psychol, Los Angeles City Col, 54-61, assoc. prof. 61-65; chief adv. ed. Polytechs, W. Pakistan, 65-67; PROF. ENG, LOS ANGELES CITY COL, 67- Asst. prof. Los Angeles State Col, 60-65; lectr. Pasadena City Col, 61-62. Consult. Pharmaceutical Supplies Co, 55-65. U.S.N.R. 34-57, Comdr. Bronze Star Medal. AAAS; Soc. Eng. Ed; Psychol. Asn; Ord. Asn; Soc. Metals. Engineering selection programs for United States Naval submarine service; effects of certain vitamins on student performance. Publ: Co-auth. Diesel engines; auth. Selection procedures for enlisted men in submarine service; Factors in the success of United States Naval Reserve Submarine programs. Address: 345 Linda Vista Ave, Pasadena, Calif. 91105.

LENNOW, DR. PETER B (RAND), b. Ames, Iowa, Mar. 5, 34; m. 57; c. 1. PSYCHOLOGY. A.B. Swarthmore Col, 56; Soc. Sci. Res. Coun. fel, 56-57; U.S. Pub. Health fel, 57-58; Ph.D. Harvard, 60. Asst. psychol. dept. soc. rels, Harvard, 57-59; clin. psychol. intern. dept. psychiat, Children's Hosp, Boston, Mass, 59-60; instr. PSYCHOL, sch. med, Yale, 60-61, ASST. PROF, univ, 61-63; CALIFORNIA, BERKELEY, 63- Psychol. Asn. Personality development and socialization processes; processes and individual differences in social perception; personality dynamics and personal value systems; personality change. Publ: Effects of interpersonal expression of needs on sensitivity to needs in others, Am. Psychologist. Address: Dept. of Psychology, University of California, Berkeley, Calif. 94720.

LENSKI, PROF. GERHARD E (MMANUEL), b. Washington, D.C., Aug. 13, 24; m. 48; c. 4. SOCIOLOGY. B.A. Yale, 47, M.A. 49, Soc. Sci. Res. Coun. fel, 49-50, Ph.D. (sociol), 50; LL.D. Wittenberg, 64. Instr. sociol, Michigan, 50-54, asst. prof. 54-59, assoc. prof. 59-63, prof. 63; PROF. SOCIOL. & RES. PROF. INST. RES. SOC. SCI, NORTH CAROLINA, 63- Mem. cmt. sci. personnel. Soc. Sci. Res. Coun, 65-66; mem-at-large, behav. sci. div, Nat. Res. Coun, 68- U.S.A.A.F. 43-45. Sociol. Asn. (v.pres. elect, 68-69, v. pres, 69-70). Social stratification; sociology of religion. Publ: The religious factor, Doubleday, 61; Power and privilege, McGraw, 66; Status crystallization: a non-vertical dimension of social status, Am. Sociol. Rev. Address: 404 Westwood Dr, Chapel Hill, N.C. 27514.

LENT, DR. ERNEST S (WAN), b. Passaic, N.J., Mar. 26, 21; m. 51; c. 1. POLITICAL SCIENCE. B.A. Princeton, 42; M.A. Columbia, 52; Dr. rer. pol. Vienna, 54. With Secretariat, UN, 46-48; ed. writer, Elizabeth Daily J, 48-52; instr. soc. sci, Fairleigh Dickinson Col, 55; from instr. to asst. prof. econ. & polit. sci, Randolph-Macon Woman's Col, 55-58; vis. asst. prof. polit. sci, Emory, 58-59; exec. secy. to U.S. Senator Clifford P. Case, 59-64; analyst, FOR. AFFAIRS DIV, LEGIS. REFERENCE SERV, LIBRARY CONG, 64-65, SPECIALIST INT. POLIT, 65-, asst. chief div, 65-67. Ford Found. teaching fel. int. polit, 56; Wilton Park fel, Eng, 65. Sig.C. U.S.A. 43-45. Polit. Sci. Asn; Int. Studies Asn. International organization and politics; American foreign policy; war-peace theory; international peacekeeping; congress and foreign policy. Publ: Co-auth. The concept of power, In: Some approaches and concepts used in the teaching of international politics, Univ. Iowa, 57; contrib. The United Nations: the continuing debate, Chandler Pub,

60; Various reports on foreign affairs, Legis. Reference Serv, 65-68. Address: 122 Sixth St. N.E. Apt. 2, Washington, D.C. 20002.

LENT, DR. GEORGE E (IDT), b. Glen Falls, N.Y., July 8, 12; m. 41; c. 2. ECONOMICS. B.S., Rensselaer Polytech, 34, M.B.A., 35; Ph.D. (econ), Columbia, 48. Pub. acct., A. Andersen & Co, 36-37; instr. econ, Rensselaer Polytech, 38-40; asst. prof., Vermont, 41-42; economist, U.S. Dept. Treas, 42-43; assoc. prof. econ, North Carolina, 46-49; res. assoc., Nat. Bur. Econ. Res, 49-50; asst. dir. tax anal. staff, U.S. Dept. Treas, 50-56; economist, U.S. Dept. Defense, 56-57; prof. bus. econ, Amos Tuck Sch. Bus. Admin, Dartmouth Coll, 57-62; consult. pub. finance & head surv. mission, Ecuador & Uruguay, Orgn. Am. States, 62-63; asst. dir. anal. staff, U.S. Treas. Dept, D.C., 63-64; CHIEF TAX POLICY DIV, INT. MONETARY FUND, 64- Vis. prof., Mass. Inst. Tech, 60. Consult, U.S. Dept. Treas, 61-64. U.S.A.A.F., 43-46. Econ. Asn; Nat. Tax Asn. Tax structure of developing countries; tax and fiscal policy; training of foreign government officials. Publ: Impact of the undistributed profits tax, 1936-37; Ownership of tax exempt securities, 1913-1953; Tax incentives for investment in developing countries, Int. Monetary Fund Staff Papers, 7/67. Address: 9522 Linden Ave, Bethesda, Md. 20014.

LENT, DR. RICHARD H (ERBERT), b. Brookline, Mass, Feb. 14, 28; m. 52; c. 1. SOCIAL PSYCHOLOGY. A.B., Tufts, 49; M.A., Columbia, 50; Ph.D., Harvard, 60. Instr. psychol, Wellesley Coll, 58-59; soc. psychol. intern, Boston Vet. Admin. Hosp, Mass, 59-60; res. fel. & Russell Sage res. psychol, Harvard Med. Sch, 60-62; res. assoc. manpower, Pittsburgh, 62-63. ASST. PROF. social, 63-65; PSYCHOL, NORTHEASTERN, 65- U.S.A., 45-47, 50-53, Res, 53-, Capt. Psychol. Asn; Sociol. Asn; Personnel & Guid. Asn; Attitudes; roles; industrial psychology. Publ: Situational factors and performance, 63 & Men and women in the biosciences, 64, Fedn. Am. Soc. Exp. Biol; Knowledge, numbers and values, Can. Med. Asn. J, 67. Address: Dept. of Psychology, Northeastern University, Boston, Mass. 02115.

LENTNER, DR. HOWARD H (ENRY), b. Detroit, Mich, Sept. 8, 31; m. 58; c. 3. POLITICAL SCIENCE. B.S., Miami (Ohio), 58; M.A., Syracuse, 59; Ph.D. (polit. sci), 64. Instr. POLIT. SCI, Case Western Reserve, 63-68; ASSOC. PROF. & CHMN. DEPT, McMASTER, 68- U.S.A., 53-55, Sgt. Polit. Sci. Asn; Int. Studies. Asn. Diplomatic and political role of United Nations Secretariat; United States foreign policy; comparative foreign policy. Publ: The political responsibility and accountability of the United Nations Secretary-General, J. Polit, 65; The diplomacy of the United Nations Secretary-General, West. Polit. Quart, 65; The concept of crisis as viewed by the United States Department of State, In: Contemporary research in international crises, 68. Address: Dept. of Political Science, McMaster University, Hamilton, Ont, Can.

LENTZ, PROF. EDITH M, Human Rels, see 10th ed, Soc. & Behav. Vols.

LENTZ, DR. GILBERT G (ILLESPIE), b. Marion, Ill, Jan. 9, 10; m. 36; c. 2. POLITICAL SCIENCE. Ed.B., Southern Illinois, 31; M.A., Illinois, 32, Ph.D., 38. Asst. dir, State Legis. Coun, Ill, 39-41; asst. prof. polit. sci, Occidental Coll, 41-43; prof. pub. admin, Hawaii, 43-46; exec. secy. pub. finance cmt, Honolulu Chamber Commerce, 46-47; managing dir, Res. Assoc., 48-49; ASST. LEGIS. ANALYST, STATE OF CALIF, 49- Dir, Hawaii Legis. Reference Bur, 43-46; vis. prof. govt. dept, Southern Illinois, 61 & 66. Polit. Sci. Asn; Soc. Pub. Admin. State government and budget analysis; fiscal administration. Address: 306 State Capitol, Sacramento, Calif. 95814.

LENTZ, DR. OSCAR H (UBERT), Econ, see 10th ed, Soc. & Behav. Vols, deceased 63.

LENTZ, DR. THEO (DORE) F (ERDINAND), b. Beverly, Mo, Oct. 31, 88; m. 17; c. 2. SOCIAL PSYCHOLOGY. A.B., Park Coll, 14; M.A., Columbia, 22, Ph.D. (psychol), 25. Psychologist, Psychiat. Clin, 25-27; assoc. prof. ed, Washington (St. Louis), 27-53; dir. attitude res. lab, Character Res. Asn, 45-59; DIR, PEACE RES. LAB, 59- U.S.A., 18-19. Fel. Psychol. Asn; World Asn. Pub. Opinion Res. Attitude and opinion research; psychology of peace. Publ: Towards a science of peace, Bookman, 55; Conservatism—radicalism opinionaire, Character Res. Asn, 30 & 43; co-auth, Factors of war/peace attitudes, Peace Res. Rev, 10/67. Address: Peace Research Lab, 5937 Enright Ave, St. Louis, Mo. 63112.

LEON, DR. ROBERT LEONARD, Med, Psychiat, see 11th ed, Phys. & Biol. Vols. & Suppl. IV.

LEONARD, DR. A. ORIN, b. Springfield, Mass, June 28, 13; m. 49; c. 3. SOCIAL PSYCHOLOGY, SOCIOLOGY. B.A., Wesleyan, 35; B.S., Columbia, 42, M.A., 49, Ed.D. (adult ed), 51. Head library dept, Ala. Polytech, 47-49; supvr. library, Brooklyn Coll, 49-51; instr. library serv, Chico State Coll, 51-52; asst. prof., MASS. STATE COL, FITCHBURG, 52-56, ASSOC. PROF. SOC. PSYCHOL, 56- Res. asst, inst. adult ed, Columbia, 49-51. Med. Admin. C., 42-46, 2nd Lt. AAAS; Sociol. Asn. Group dynamics and library service; linguistics, especially semantics, psycholinguistics and sociolinguistics. Publ: Contrib, Library J, 51. Address: Dept. of Behavioral Sciences, Massachusetts State College at Fitchburg, Fitchburg, Mass. 01420.

LEONARD, PROF. ARCHIE L, b. Lebanon, Kans, Jan. 18, 07; m. 31; c. 3. AGRICULTURAL ECONOMICS. B.S., Okla. State, 31, M.S., 34; Illinois, 33-35. Asst. prof. farm mgt, Mich. State Coll, 35-36; specialist, U.S. Dept. Agr, 36-47; ASSOC. PROF. AGR. ECON, TEX. TECH. COL, 47- Agr. Econ. Asn. Farm and home management. Address: Dept. of Agricultural Economics, Texas Technological College, Lubbock, Tex. 79409.

LEONARD, DR. L. LARRY, b. U.S., Oct. 29, 16. POLITICAL SCIENCE. B.A., Alfred, 38; M.A., Columbia, 39, fel, 41, Ph.D. (int. rels), 43. Mem. staff int/ econ. rels, U.S. Dept. Treas, 42-44; San Francisco Conf. UNRRA Planning, U.S. Dept. State, 44-45; U.S. Embassy, Paris, U.S. Govt, 45-47; assoc. prof. Am. for. policy & int. orgn, Pa. State, 47-50; vis. prof. for. policy, New Sch. Soc. Res, 50-54; res. abroad, 54-58; proj. dir, Inst. Int. Order, 58-62; ED. & PUBLISHER, CURRENT THOUGHT ON PEACE & WAR, 60- Vis. prof, Northwestern, summer, 57; proj. dir, World Rule of Law Center, 60-62;

World Inst, 63-64; vis. prof, Wis. State, 65-68. UN consult, 48-60. Polit. Sci. Asn; Int. Studies Asn. International organization; law of territorial waters; European regionalism; international and supranational institutions; elements and methodologies in political science; American foreign policy; substance and decisions making; peace research; data control systems. Publ: International regulations of fisheries, Carnegie Endowment, 44; International organization, 51, rev. ed, 68 & American foreign policy, 53, McGraw. Address: 28 Lark Ave, White Plains, N.Y. 10607.

LEONARD, DR. LOUISE C (ARRELL), b. Dallas, Tex, Jan. 25, 13. EDUCATIONAL PSYCHOLOGY. B.A., Tampa, 35; summer, Florida, 41; Ed.M., Colorado, 51; Ed.D., Kansas, 62. Teacher, pub. schs, Fla, 35-43; personnel clerk, Merrill-Stevens Dry Dock & Repair, Jacksonville, Fla, 43-44; dir. hosp. recreation, Am. Red Cross, Timan, Saipan & Japan, 44-45; teacher, high schs, Wyo, 45-50; counsr, pub. sch, Kans, 50-52; instr. & counsr, Kansas, 52-57; asst. prof. ed. & counsr, Cent. Mo. State Coll, 57-62; vis. lectr. counseling & behav. studies, WISCONSIN, 62-64, COUNSELING PSYCHOLOGIST, COUNSELING CENTER, 64- Summers, vis. lectr, Illinois, 61; Iowa, 62; Texas, Austin, 64; instr. Credit Unions Nat. Asn. Financial Counseling Sch, Madison, 65, 66 & 67; adminstr. testing & counseling, Credit Unions Nat. Asn. Sch. Credit Union Personnel, 67. Psychol. Asn; Personnel & Guid. Asn. Study of self descriptions of gifted college women to determine factors underlying their academic performance. Address: 5130 Juneau Rd, Madison, Wis. 53705.

LEONARD, PROF. NORMAN H (ADDAWAY), JR, b. Trappe, Md, July 25, 18. ECONOMICS. A.B., American Univ, 39; A.M., Yale, 41, Ph.D., 47. Instr, Yale, 46-47; Rutgers, 47-48; asst. prof. ECON, OHIO WESLEYAN, 48-50, assoc. prof, 50-55, PROF, 55- Consult. labor mkt. & capital mkt. legal firms. Econ. Asn; Soc. Economet. Appraisers. (treas, 67-69). Money and banking; public finance; ethics and public policy. Publ: Values and policy in American society. Address: Dept. of Economics, Ohio Wesleyan University, Delaware, Ohio 43015.

LEONARD, PROF. OLEN E (ARL), b. Paradise, Tex, Jan. 31, 09; m. 40; c. 4. SOCIOLOGY. B.S., Fredericksburg State Teachers Coll, 31; American Univ. & George Washington, 38-39; Ph.D., La. State, 43. Soc. scientist, bur. agr. econ, U.S. Dept. Agr, 35-44, asst. chief div. training & exten, off. for. agr. rels, 44-47, dir. agr. exp. stas, Bolivia, 47-48; assoc. prof. social, Texas, 48-49; prof, Vanderbilt, 49-51; sociol. & anthropol, Mich. State, 51-53; dir. north-zone, Inter-Am. Inst. Agr. Sci, Ministry Agr, Cuba, 53-61; with U.S. Opers. Mission to Argentina, 61; prof. anthropol, univ. & asst. dir, bur. ethnic res, Arizona, 62-63; SOCIOLOGIST, UN in Bolivia, 63-64; ECON. DEVELOP. DIV, ECON. RES. SERV, U.S. DEPT. AGR, 64-; PROF. SOCIOL, MISS. STATE, 67- Consult. community develop, Pan-Am. Union, 66- Order of the Condor of the Andes, Bolivia, 48. Sociol. Asn; Rural Sociol. Soc; Sociol. Res. Asn. Rural social organization; population; Latin America. Publ: La sociologia rural; co-auth, Rural adult education in the United States; auth, Social and economic change in Bolivia, Interam. Indian Inst, Mex, 66. Address: Mississippi State University, P.O. Drawer GL, State College, Miss. 39762.

LEONARD, DR. ROBERT CARL, b. Dodson, Mont, Feb. 8, 28; m. 55; c. 4. SOCIOLOGY. B.A., Washington (Seattle), 56; M.A., California, 58; fels, Oregon, 58-60, Ph.D. (sociol), 62. Asst. Inst. Indust. Rel, California, 58; asst. res. prof. sociol. & nursing, Yale, 60-64, res. assoc. nursing, 64-67; asst. prof. SOCIOLOGICAL, ARIZONA, 64-65, ASSOC. PROF, 65- U.S. Pub. Health Serv. res. grant, 62-65. U.S.N., 46-48; U.S.A.F.R., 48-52. Sociol. Asn; Rural Sociol. Soc. Methodology; theory building; medical sociology; applied sociology. Publ: Co-auth, Social interaction and patient care, Lippincott, 65; auth, Leaders' judgments of group opinion: case study in sociological theory building. Address: Dept. of Sociology, University of Arizona, Tucson, Ariz. 85721.

LEONARD, DR. S (AMUEL) DAVID, b. Ada, Okla, Sept. 1, 33. PSYCHOLOGY. B.A., New Mexico, 53; M.A., Iowa, 59, Ph.D., 60. Instr. high sch, 54-55; asst. PSYCHOL, Iowa, 57-60; asst. prof., Cornell Coll, 60-61; South Florida, 61-63; Bowling Green State, 63-64; Temple, 64-67; ASSOC. PROF. GEORGIA, 67- Summers, lectr, Coe Coll, 61; sr. engr, Martin Co, Colo, 61; Nat. Sci. Found. col. teacher res. fel, Michigan, 65. U.S.A.F., 55-57, 1st Lt. AAAS; Human Factors Soc; Psychol. Asn; Psychomet. Soc; Statist. Asn. Acquisition and transfer of skills in perceptual-motor learning; verbal learning; effects of early experiences on learning. Address: Dept. of Psychology, University of Georgia, Athens, Ga. 30601.

LEONARD, PROF. T (HOMAS) J (AMES), Polit. Sci, see 10th ed, Soc. & Behav. Vols.

LEONARD, PROF. WILLIAM GEORGE, b. Odessa, Ont, Nov. 5, 11; m. 35; c. 2. ACCOUNTING. PARTNER, ENG, LEONARD, MACPHERSON & CO, 40-; PROF. COMMERCE & DIR. PRFNL. COURSES, QUEEN'S (ONT), 53-, asst, 46-53. Accounting theory; income taxation; business finance. Publ: Canadian income tax for accountants; co-auth, Theory and practice of Canadian accounting; auth, Financial management, In: Canadian business, McGraw, 65. Address: Dunning Hall, Queen's University, Kingston, Ont, Can.

LEONARD, PROF. W (ILLIAM) N (ORRIS), b. Pittsburgh, Pa, Dec. 13, 12; m; c. 2. ECONOMICS. A.B., Virginia, 36; A.M., Texas, 38; Ph.D., Columbia, 45. From instr. to asst. prof., Connecticut, 39-42; indust. analyst, off. civilian requirements, War Prod. Bd, 42-45; asst. coordinator planning, Trans-World Airlines, 45-46; chmn. dept. econ, Rutgers, 46-49; prof. econ. & commerce & head dept, Pa. State Coll, 49-53; PROF. ECON, HOFSTRA, 53-, asst. to pres, 65-66. Planning cmnr, Nassau County, chmn. cmn, 63-65; vis. prof, N.Y. Univ, 65; dir, Long Island Center Econ. Ed, 67- Consult, Secy. Interior, 50-51; Fed. Trade Cmn, 68- AAAS; Econ. Asn. Transportation; industrial economics; government regulation; planning. Publ: Railroad consolidation under the transport act of 1920, Columbia Univ, 46; Business size, market power and public policy, Crowell, 68. Address: 55 Garden St, Garden City, N.Y. 11530.

LEONARD, DR. WILLIAM R. b. Bellevue, Nebr., June 24, 04; m. 28; c. 2. STATISTICAL ORGANIZATION & ADMINISTRATION. A.B. Whitman Col. 26; fel. Tufts, 26-28, M.A. 28; Ph.D. Cornell, 34. Instr. econ. money & banking, Cornell, 28-34; prin. officer govt. statist. U.S. Cent. Statist. Bd. 34-39, from dir. res. to dep. chief, Off. Statist. Standards, 39-46; dep. dir. int. statist. UN Statist. Off. 46-47, acting dir. 47-50, dir. 50-62, dep. cmnr. tech. assistance, UN, 62-66, SPEC. ADV. EVAL. UN INST. TRAINING & RES. 67- Mem. cmt. statist. policy, U.S. Bur. Budget, 57- Statist. Asn. (pres. 57); Econ. Asn. Development of international statistics, particularly those of underdeveloped countries; general administration of statistical programs; administration of technical assistance. Publ: Co-ed. Government statistics for business use. Address: United Nations, Box 20, Grand Central Station, New York, N.Y. 10017.

LEONE, DR. WILLIAM C(HARLES), b. Pittsburgh, Pa., May 3, 24; m. 50; c. 4. MANAGEMENT, INDUSTRIAL ENGINEERING. B.S., Carnegie Inst. Tech., 44, M.S., 48, D.Sc.(eng.), 52. Asst. prof. mech. eng., Carnegie Inst. Tech., 46-53; gen. mgr. indust. systs., Hughes Aircraft Co., 53-60; V. PRES. & GEN. MGR. AUTOMATION, REMEX ELECTRONICS, 60- Vis. prof., Texas, Austin, 67- U.S.N., 44-46, Lt.(jg). Inst. Elec. & Electronics Eng.; Inst. Aeronaut. & Astronaut.; Soc. Mech. Eng. Man-machine relationships including physical equipment and operational factors. Publ: Production automation and numerical control, Ronald, 67; Choosing punched tape readers, 67 & Automation and motivation, 67, Automation Mag. Address: 2209 Chelsea Rd, Palos Verdes Estates, Calif. 90274.

LEONG, PROF. YAU SING, b. Honolulu, Hawaii, Aug. 14, 99; m. 33; c. 3. ECONOMICS, STATISTICS. A.B., Hawaii, 24; M.A., Columbia, 25, Tsing Hua Indemnity fel., 28, Brookings fells, 30-32, Ph.D.(econ), 33. Soc. Sci. Res. Coun. fel., Columbia, 32-33; economist, econ. & statist. res., Nat. Recovery Admin., 33-34; sr. economist, Cent. Statist. Bd., 34-39; prin. economist, Bur. Budget, 39-54, head economist, 62-63; PROF. ECON. & STATIST. HAWAII, 54- Statist. Asn. Money and banking; mineral resources; business statistics and measurements, especially index numbers of production, seasonal variations; public finance, especially sales taxation. Publ: Co-auth. Government statistics for business use; auth. Silver: an analysis of factors affecting its price; The use of an iterated moving average in measuring seasonal variations, J. Am. Statist. Asn. Address: Dept. of Business Economics & Statistics, College of Business Administration, University of Hawaii, Honolulu, Hawaii 96822.

LEONHARD, DR. DIETRICH L(OUIS), b. Hamburg, Germany, Sept. 19, 06; nat; m. 33; c. 1. BUSINESS ECONOMICS. M.B.A., Cologne, 31; Ph.D., Münster, 33. Asst. to economist, Sears, Roebuck & Co., 44-47; economist & consult. Nat. Res. Bur., 47-49; sr. analyst, Spiegel, Inc., Ill., 49-50; asst. to res. dir. Tatham-Laird, Inc., 40-51; dir. mkt. res., Oscar Mayer & Co., Wis., 51-55; Tidy House Prod. Co., 55-57; res., George Fry & Assocs., Inc., 57-66; PRES. DIETZ-LEONHARD CORP., 66- Econ. Asn.; Statist. Asn.; Mkt. Asn. (award, 55); Planning Asn.; Acad. Polit. & Soc. Sci. Consumer motivation; business. Publ: Co-auth. Market research pays off & Keys to profits in the 60's; auth. The human equation in marketing research, Am. Mgt. Asn., 12/67. Address: Dietz Leonhard Corp., 307 Michigan Ave., Chicago, Ill. 60601.

LEONHARDT, PROF. HARRY L(UDWIG), b. New York, N.Y., Dec. 12, 22; m. 50; c. 2. EXPERIMENTAL PSYCHOLOGY. A.B., Upsala Col., 49; M.A., North Carolina, 52, Ph.D.(psychol), 54. Instr. PSYCHOL., North Carolina, 51-54; assoc. prof., HARTFORD, 54-66, PROF. & CHMN. DEPT., 66- U.S.A.A.F., 42-45, 2nd Lt. Psychol. Asn. Physiological basis of memory. Publ: Follow-up study of patients discharged from a community rehabilitation center; co-auth. RNA and memory; a negative experiment, Am. J. Psychiat., 4/66. Address: 65 Briarwood Dr., Glastonbury, Conn. 06033.

LEONTIADES, DR. JAMES, b. Indianapolis, Ind., Dec. 14, 30. ECONOMICS. B.A., Indiana, 52, M.A., 56; Columbia, 56-57; Ph.D.(econ), London Sch. Econ., 63. Economist, overseas ops., Gen. Motors Corp., 61-66; ASST. PROF. INT. BUS., WHARTON SCH., UNIV. PENNSYLVANIA, 66- U.S.A., 52-54, Sgt. International business. Publ: Is a common market a single market, Columbia J. World Bus., 7-8/67. Address: Wharton School, University of Pennsylvania, Philadelphia, Pa. 19104.

LEONTIEF, PROF. WASSILY, b. Russia, Aug. 5, 06; nat; m. 31; c. 1. ECONOMICS. M.A., Leningrad, 25; Ph.D.(econ), Berlin, 28; hon. Ph.D., Brussels, 63; hon. Dr., York, Eng., 67. Res. assoc., Nat. Bur. Econ. Res., 31; instr. ECON., HARVARD, 31-33, asst. prof., 33-38, assoc. prof., 39-45, prof., 46-53, HENRY LEE PROF., 53-, DIR. ECON. RES. PROJ., 48-, SOC. FELS. SR. FEL., 56- Guggenheim fel., 40, 50, Guggenheim prof., Manchester, Eng., 51; Gibbs lectr., 53; Charles M. & Martha Hitchcock prof., California, 59. Mem. Inst. Statist. Inst.; conf. res. income & wealth, Nat. Bur. Econ. Res.; chmn. Soc. Fels. Harvard, 64- Econ. Asn.(v.pres. 50); Am. Statist. Asn.; fel. Economet. Soc.(pres. 54); Math. Asn.; Philos. Soc.; Inst. Mgt. Sci.; Am. Acad. Arts & Sci.; fel. Royal Statist. Soc.; Royal Economet. Soc. Economic theory; mathematical economics; application of mathematical methods to quantitative empirical analysis of the structure of national economics; complex multi-sectoral systems. Publ: Programming of economic activities. Address: Littauer Center 308, Harvard University, Cambridge, Mass. 02138.

LEOPARD, DR. DONALD D., European & African Hist., see 5th ed., Dir. Am. Scholars, Vol. I, Hist.

LEOPOLD, DR. ROBERT L., Psychiat., see 11th ed., Phys. & Biol. Vols.

LEPAWSKY, PROF. ALBERT, b. Chicago, Ill., Feb. 16, 08; m. 35; c. 4. POLITICAL SCIENCE. Ph.B., Chicago, 27, Ph.D.(polit. sci.), 31. Instr. & asst. polit. sci., Chicago, 30-31, res. assoc., soc. sci. res. cmn., 32-36; asst. dir., Pub. Admin. Clearing House, 36-38; dir., Fedn. Tax Adminstrs., 38-41; inst. pub. serv., Chicago, 41-42; PROF. pub. admin. & polit. sci., Alabama, 45-52; POLIT. SCI., CALIFORNIA, 53- Vis. fel., Hamburg, 33; London Sch. Econ., 33-34; Soc. Sci. Res. Coun. fel., 33-34; Berlin, 34; lectr., Chicago, 37-46, staff mem., inst. mil. studies, 40-41; res. dir., law dept., City of Chicago, 35-36, mem. planning cmn., 38-42; dir. training, Chicago Metropol. Defense Cm., 41-42; ed. dir., South. Regional Training Prog., 45-52; dir., Regional Training

Center for UN Fels., Can., 59-61. Consult., Nat. Resources Bd., 33-41; tech. asst. consult., UN, 51-; consult., Tenn. Valley Authority, 65- Mem. UN Tech. Asst. Mission, Bolivia, 50-51. U.S.A.A.F., 42-45, Lt. Col. Polit. Sci. Asn.; Soc. Pub. Admin. Regional planning; resources management; international administration. Publ: State planning and economic development in the south; Administration, the art and science of organization and management; The International River Basin, Univ. British Columbia, 63. Address: Dept. of Political Science, University of California, Berkeley, Calif. 94720.

LEPKIN, DR. MILTON, b. New York, N.Y., Sept. 3, 21; m. 49; c. 2. INDUSTRIAL PSYCHOLOGY. B.S., City Col. New York, 42; fel., Syracuse, 42-45, M.A., 43, Ph.D.(psychol), 53. Instr. psychol., City Col. New York, 44; Syracuse, 45; prog. dir., Syracuse Boys Club, 45-52, camp dir., 46-52, guid. dir., 49-52; res. assoc., Psychol. Serv., Pittsburgh, 52-53; exec. dir., Young Men's Jewish Coun. Youth Center, Chicago, 53-56; res. dir., Personnel Surv. Assocs., 56-57; DIR. & OWNER, M. LEPKIN & CO., 58-; ASSOC. PROF. PSYCHOL., CHICAGO STATE COL., 62-; PARTNER & DEAN, ILL. INST. APPL. PSYCHOL., 64- Psychol. Asn.; Personnel & Guid. Asn.; Soc. Psychol. Study Soc. Issues. Applications of psychological principles to the problems of people in educational and industrial situations; psychological services to management; executive development; counselor education. Address: Chicago State College, 6800 S. Stewart Ave., Chicago, Ill. 60621.

LEPKOWSKI, DR. J(OSEPH) RICHARD, b. Brooklyn, N.Y., Apr. 11, 21. PSYCHOLOGY. B.S., N.Y. Univ., 50, M.A., 51, Ph.D.(psychol. res.), 54. Res. psychologist, bur. ed. res., New York Bd. Ed., N.Y., 55-59; sr. human factors analyst, Int. Tel. & Tel. Fed. Labs., Nutley, N.J., 59-61, human factors supvr., 61-64; mem. tech. staff, Mitre Corp., 64-66; HUMAN FACTORS SCIENTIST, SYSTS. DEVELOP. CORP., 66- U.S.C.G., 41-43; U.S.N., 43-46, 51-52, Lt. Educational psychology; human engineering; system design. Publ: Comparison of educational outcome under single-track and two-track plans for educationally retarded children; Design of a transition-terminal area air traffic control system project 106-105, final eng. report, Int. Tel. & Tel. Fed. Labs., 5/62; Development of forced-choice rating scale for engineer evaluation, J. Appl. Psychol., 2/63. Address: 231 St. Lawrence St., Sayville, N.Y. 11782.

LEPLEY, PROF. WILLIAM M(ORTON), b. Beaman, Iowa, Jan. 17, 06; m. 41; c. 1. PSYCHOLOGY. B.S., Iowa State Col., 28; M.A., California, 30; Ph.D. (psychol), Pa. State, 34. Forest guard, U.S. Forest Serv., 27-28; psychologist, San Francisco Protestant Orphanage, 29; instr. PSYCHOL., PA. STATE, 30-37, asst. prof., 37-46, assoc. prof., 46-50, prof., 50-66, dir. psychol. labs., 52-66, EMER. PROF., 66- Consult., planning bd., U.S. Dept. Air Force, 48-49; U.S. Dept. Defense, 54; Vet. Admin., 56. U.S.A.A.F., 42-46, Lt. Col. AAAS; fel. Psychol. Asn.; Psychonomic Soc. General behavior theory; language behavior; learning; mental tests; conditioned reactions; behavior variability; vocabulary assessment. Publ: Psychological research in the theatres of war. Address: Burrows Bldg., Room 21, Pennsylvania State University, University Park, Pa. 16802.

LEPORE, DEAN ALBERT R(ALPH), b. San Diego, Calif., Apr. 13, 20; m. 47; c. 2. EDUCATIONAL PSYCHOLOGY. B.A., San Diego State Col., 42; M.A., Columbia, 49, Ph.D., 60. Asst. prof. psychol., San Francisco State Col., 51-59; PROF. ED., CALIF. STATE COL. HAYWARD, 59-; DEAN, COL. 68-; dean instr., 62-65. U.S.A., 42-46, Res., 46-, Lt. Col. Psychol. Asn. Reading in elementary schools; measurement and evaluation. Publ: Experimental study of college instruction using broadcast television. Address: 2614 Lancaster Rd., Hayward, Calif. 94542.

LEPPARD, DR. H(ENRY) M(ILTON), b. Listowel, Ont., July 23, 86; m. 17. GEOGRAPHY. B.A., Queen's (Can.), 19; Ph.D.(geog.), Chicago, 28. Mem. faculty GEOG., Chicago, 23-51; vis. prof., Washington (Seattle), 51-54; CALIFORNIA, LOS ANGELES, 54-56, RES. ASSOC., 56- Asn. Am. Geog. Cartography. Address: Dept. of Geography, University of California, Los Angeles, Calif. 90024.

LEPPEL, DR. LEON, b. New York, N.Y., July 24, 24; m. 50; c. 2. PSYCHOLOGY. A.B., Temple, 48, Ed.M., 49, Ed.D.(psychol), 59. Psychol. intern., Cent. Islip State Hosp., N.Y., 49-50; psychologist, Weston State Hosp., W. Va., 50-53; clin. psychologist, Camden County Psychiat. Hosp., 53-58, sr. clin. psychologist, 58-61, chief psychologist, 61-66; SR. PSYCHOLOGIST, COMMUNITY CHILD GUID. CLIN., WEST COLLINGSWOOD, 66- U.S.A.A.F., 43-46. Psychol. Asn. Projective techniques with schizophrenics; group therapy with adolescent. Address: 119 Ashley Court, Cherry Hill, N.J. 08034.

LERBINGER, PROF. OTTO, b. Dingolfing, Germany, Feb. 23, 25; U.S. citizen; m. 52; c. 2. ECONOMICS, SOCIOLOGY. B.A., Brooklyn Col., 48; Chicago, 48-49; Ph.D.(econ), Mass. Inst. Tech., 54. Teaching asst. econ. Mass. Inst. Tech., 51-52; res. asst. indust. rels., Princeton, 52-53; PROF. PUB. RELS., BOSTON, 54- C.Eng., U.S.A., 43-46, S/Sgt. Econ. Asn.; Sociol. Asn.; Asn. Pub. Opinion Res. Organizational and mass media communication; business public policy; public relations. Publ: Co-auth. Information, influence and communication, Basic Books, 65. Address: 28 Lakewood Rd., Newton Highlands, Mass. 02161.

LEREA, PROF. LOUIS, b. New York, N.Y., May 24, 28; m. 56; c. 2. SPEECH PATHOLOGY, AUDIOLOGY. A.B., Brooklyn Col., 51; M.A., Iowa, 52; Ph.D. (psychol), Pittsburgh, 54; Ulpan Meir, 61-62. Asst. prof. SPEECH PATH. & AUDIOL., NORTHERN ILLINOIS, 54-57, assoc. prof., 57-59, PROF., 59- Vis. res. fel. speech. path. & audiol., Michigan, 56-57; vis. lectr. psychol. of lang., Hebrew Univ., Israel, 61-62. Res. consult., noise control inst. Tel. Hashomer Hosp., Israeli Air Force, 61-62; chmn. Cmt. to Construct Nat. Exam. in Speech Path., 63-64. Speech Asn.; Speech & Hearing Asn. Normal and disordered language development; speech pathology and audiology. Publ: Co-auth. The sound of your words, Dapim Refuim, Hebrew, French & Eng. ed., 62; auth. Assessing language development, J. Speech & Hearing Res., 58; co-auth. A comparative study of monolinguals and bilinguals in a verbal task performance, J. Clin. Psychol., 61. Address: Dept. of Speech, Northern Illinois University, DeKalb, Ill. 60115.

- LERMER, PROF. ARTHUR, b. Oct. 3, 08; Can. citizen; m. 35; c. 3. ECONOMICS. Magisterium, Univ. Wolna Wszelchnia, Poland, 35; M.A., Toronto, 43. PROF. ECON. & CHMN. DEPT., SIR GEORGE WILLIAMS, 46- Can. Coun. res. award, 64-65; summer econ. consult, dept. soc. develop, Int. Labor Off, Switz, 65. Pres, Can. Int. Center Res. & Info. Pub. & Coop. Econ, 66- Can. Centennial silver medal, 67. Am. Econ Asn; Can. Econ. Asn. Comparative economic planning, especially the role of interest groups in the planning process. Publ: Co-auth, Trends and structure in the Canadian economy, Univ. California, 50; auth, Coexistence and economic planning, Coexistence, 66; Planning trends in the Canadian Economy, Ann. Can. Int. Center Res. & Info. Pub. & Coop. Econ, 68. Address: 5573 Alpine Ave, Montreal 29, Que, Can.
- LERNER, PROF. ABBA P(TACHYA), b. Bessarabia, Russia, Oct. 28, 03. ECONOMICS. B.Sc., London, 32, univ. fel, 32-34; Ph.D., 43; Leon fel, Cambridge & Manchester, 34-35. Vis. lectr, California, 38; Rockefeller Found. fel, 38-39; lectr, Columbia, 39-40; vis. prof. ECON, Virginia, 40; asst. prof, Univ. Kansas City, 40-42; Amherst Col, 42-43; assoc. prof, New Sch. Soc. Res, 43-46; PROF, 46-47; Roosevelt, 47-59; Mich. State, 59-65; Tel-Aviv, 65-66; CALIFORNIA, BERKELEY, 66- Fel, Center Adv. Study Behav. Sci, 60-61. Econ. adv, Govt. of Israel, 53-56. Managing ed, Rev. Econ. Studies, 33-37. Am. Econ. Asn; Royal Econ. Soc. Socialist economics; functional finance; welfare economics; employment; inflation; capital theory. Publ: Economics of control, Macmillan, 44; Economics of employment, McGraw, 51; Everybody's business, Mich. State Univ, 51. Address: Dept. of Economics, University of California, Berkeley, Calif. 94720.
- LERNER, DR. BENJAMIN, b. Brooklyn, N.Y., Mar. 28, 32; m. 55; c. 3. CLINICAL PSYCHOLOGY. Ph.D., Yeshiva, 61. Asst. exp. psychol, Yeshiva, 55-57; sch. psychologist, BUR. CHILD GUID, 57-60, supvr. sch. psychologist, 60-66, CENTER ADMINSTR, 66- Intern, Mt. Sinai Hosp, New York, 56-57; lectr, Brooklyn Col, 61- Psychol. Asn; Asn. Ment. Deficiency. Psychoanalytic theory; perceptual defense; defense mechanism of sublimation; learning problems; cognition; mental retardation. Address: 1217 Newkirk Ave, Brooklyn, N.Y. 11230.
- LERNER, PROF. DANIEL, b. New York, N.Y., Oct. 30, 17; m. 47; c. 3. SOCIAL PSYCHOLOGY. A.B., N.Y. Univ, 38, Bull-Remsen fel, 38-39, M.A., 39, Ph.D., 48. European rep. Library of Cong, 46-47; from assoc. prof. to prof. sociol, Stanford, 47-53, res. dir, int. studies proj, Hoover Library, 47-53; prof. sociol. & res. assoc. center int. studies, MASS. INST. TECH, 53-54. FORD. PROF. SOCIOL, 58- Guest lectr, Paris, 52; vis. prof, Columbia, 52. Consult, Res. & Develop. Bd, 51-52; HUMRRO, George Washington, 52-53; Ford Found, 52-53. Officer d'Acad, Palmes Academiques, 45. U.S.A., 42-46, Capt. AAAS; Sociol. Asn; Polit. Sci. Asn; Asn. Pub. Opinion Res; World Asn. Pub. Opinion Res. Communication and public opinion; sociology of knowledge; sociology of power. Publ: Sykewar, psychological warfare against Germany; The passing of traditional society; co-auth, The policy sciences. Address: Dept. of Political & Social Science, 14-N 207, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- LERNER, PROF. EUGENE M(AX), b. Milwaukee, Wis., Oct. 19, 28; m. 51; c. 3. ECONOMICS. B.A., Wisconsin, 49, M.A., 50; Ph.D.(econ), Chicago, 54. Asst. prof. econ, Elmhurst Col, 53-55; Idaho, 55-56; res. assoc. Nat. Bur. Econ. Res, 56-57; sr. economist, Fed. Reserve Bank Chicago, 57-59; asst. prof. econ, City Col. New York, 59-63; PROF. FINANCE, N.Y. Univ, 63-66; NORTHWESTERN, 66- Res. grant, Idaho, 54; teachers grant-in-aid, Duke, 55; res. grants, Soc. Sci. Res. Coun, 55 & Ford Found, summer, 59. Sr. economist, N.Y. Legis. Cmt. Revise Banking Law, 60-65; House Banking & Currency Cmt, 65-66. Econ. Asn; Finance Asn; Statist. Asn. Economic history; finance. Publ: Readings in financial analysis and investment management, Irwin, 64; co-auth, A theory of financial analysis, Harcourt, 66 & A model-systems approach to finance, J. Finance, 67. Address: School of Business, Northwestern University, Evanston, Ill. 60201.
- LERNER, DR. HARRY H(ERMAN), Psychol, see 10th ed, Soc. & Behav. Vols.
- LERNER, DR. JOSEPH, b. Baltimore, Md, June 22, 21; m. 51; c. 3. ECONOMICS. A.B., Hopkins, 43, Woodward scholar, 42-43; M.A., Harvard, 48, Soc. Sci. Res. Coun. fel, 49-50, Ph.D.(econ), 51. Fiscal economist income taxation, off. chief economist, bur. mines, U.S. Dept. Interior, 50-55; staff mem. energy & fuels in econ, Resources for Future, Inc, 55-59; indust. specialist, fuel & energy off, EXEC. OFF. PRESIDENT, 59-61, SPEC. ASST. PETROL, OFF. EMERGENCY PLANNING, 61- Consult, Bur. Mines, 55-59. U.S.A., 43-46. Econ. Asn; Econ. Hist. Asn. Oil import controls; short and long term energy availability and requirements; world fuel and energy patterns; fuel and energy statistics; taxation of mineral production income. Publ: Constant proportions, fixed plant and optimum conditions of production, Quart. J. Econ; Yield of oil payments and overrides, Taxes; co-auth, Energy in the American economy. Address: 7708 Takoma Ave, Takoma Park, Md. 20012.
- LERNER, DR. LIONEL J(OHN), b. London, Eng, Oct. 31, 31; nat. ECONOMICS. M.A., Chicago, 52; Ph.D., Hopkins, 55. Researcher urban prob, New York Metrop. Region Study, 57-58; ASST. ECONOMIST, CALIF. DEPT. WATER RESOURCES, 59- Econ. Asn; Regional Sci. Asn. Publ: Israel's economy, Reconstructionist; Quantitative indices of recreational values, 8/62 & Demand-value structure of recreation, 7/64, West. Farm Econ. Asn. Address: 4500 Del Rio Rd, Sacramento, Calif. 95822.
- LERNER, PROF. MAX, b. Minsk, Russia, Dec. 20, 02. POLITICAL SCIENCE. A.B., Yale, 23; A.M., Washington (St. Louis), 25; Ph.D., Brookings Grad. Sch, 27. Asst. ed. & managing ed, Encyclop. Soc. Sci, 27; mem. dept. soc. sci, Sarah Lawrence Col, 32-36; ed, The Nation, 36-38; prof. polit. sci, Williams Col, 38-43; ed. writer, P.M. Newspaper, 43-48; columnist, N.Y. Star, 48-49; from prof. & dean grad. sch. to MAX RICHTER PROF. AM. CIVILIZATION & INSTNS, BRANDEIS, 49- Lectr, Harvard, 35-36; New Sch. Soc. Res, 44-; syndicated columnist, N.Y. Post, 49- Dir. consumers div, Nat. Emergency Coun, 34. Polit. Sci. Asn. Political theory. Publ: America as a civilization; The age of overkill, Simon & Schuster, 62; ed, Tocquaville's Democracy in America, Harper, 66. Address: New York Post, 75 West St, New York, N.Y. 10006.
- LERNER, PROF. MONROE, b. Newark, N.J., Oct. 12, 20; m. 52; c. 2. SOCIOLOGY, DEMOGRAPHY. B.S., City Col. New York, 42; Ph.D., Columbia, 64. Soc. sci. analyst, U.S. Library Cong. & pop. div, UN, 51-52; res. analyst, bur. soc. sci. res, American Univ, 52; statist. bur, Metrop. Life Ins. Co, 52-56; res. assoc. soc. res, Health Info. Found, N.Y., 56-61; assoc. dir. res. & planning, Blue Cross Asn, 61-65; ASSOC. PROF. PUB. HEALTH ADMIN, SCH. HYG. & PUB. HEALTH, HOPKINS, 65- Lectr, Hunter Col, 57. U.S.A., 43-46, Sgt. Sociol. Asn; fel. Pub. Health Asn; Pop. Asn; Statist. Asn. Social factors in health; trends in health levels and use of health services; life expectancy and population trends. Publ: Hospital use and charges by diagnostic category & Hospital use in Indiana and Saskatchewan by diagnosis, Health Info. Found. Res. Series; Mortality and morbidity in the United States as basic indices of health needs, Ann. Am. Acad. Polit. & Soc. Sci. Address: Dept. of Social Relations, School of Hygiene & Public Health, Johns Hopkins University, Baltimore, Md. 21218.
- LERNER, PROF. RUTH S(PERO), b. New York, N.Y., Apr. 22, 03; m. 26; c. 1. PSYCHOLOGY. B.A., Hunter Col, 24; M.A., Columbia, 28; Ph.D.(psychol), N.Y. Univ, 33. From assoc. prof. ed. & guid. counsr. to PROF. ED. & COORDINATOR TEACHER SELECTION & GUID, TEACHER ED. PROG, HUNTER COL, 24- Psychol. consult, Col. & Career Consult, 63-; voc. consult, Dept. Health, Ed. & Welfare, 65- Dipl. Am. Bd. Exam. Prfnl. Psychol. Psychol. Asn; Asn. Ment. Health. Counseling physically handicapped at the college level; mental hygiene for teachers; child guidance. Publ: Teacher selection, guidance and placement; Helping them to help themselves, Personnel & Guid. J; Rehabilitation at Hunter College, J. Except. Child. Address: 35 Sutton Place, New York, N.Y. 10022.
- LERNER, WILLIAM, b. New York, N.Y., July 14, 14; m. 41; c. 2. ECONOMICS, STATISTICS. B.A., George Washington, 41; American Univ. Economist, War Prod. Bd, 42-43; Civilian Prod. Admin, 46-47; statistician, U.S. BUR. CENSUS, 47-52, chief, statist. abstract br, 52-59, ASST. CHIEF, STATIST. REPORTS DIV, 59- Prize, Am. Mkt. Asn, 53. U.S.A., 43-46. Statist. Asn. Business economics and statistics; social statistics. Publ: Statistical abstract of the United States; Congressional district data book; Pocket data book. Address: 3507 Jeffry St, Silver Spring, Md. 20906.
- LeROUX, DR. GABRIEL, b. Uniondale, S.Africa, Sept. 18, 19; m. 52; c. 3. GEOGRAPHY. B.A., Stellenbosch, 39, M.A., 41; Ph.D.(geog), Clark, 47. Sch. guid. officer, Cape Ed. Dept. Rep. S.Africa, 51-53; vis. assoc. prof. GEOG, Western Kentucky, 62-63; vis. lectr, New England, Australia, 64; ASSOC. PROF. WIS. STATE, OSHKOSH, 66- Exchange scholar, Brussels, 49-50. Wool and pastoral industries of South Africa. Address: Dept. of Geography, Wisconsin State University, Algoma Blvd, Oshkosh, Wis. 54901.
- LERSKI, DR. GEORGE JAN, b. Lwow, Poland, Jan. 20, 17; U.S. citizen; m. 67; c. 5. POLITICAL SCIENCE, HISTORY. Lwow, 36-39; LL.M., Oxford, 46; Ph.D.(Am. hist), Georgetown, 53. Prof. West. hist, Tokyo, 55-58; Am. hist. & int. rels, Karachi, 58-60; prog. specialist rev. & develop, Asia Found, 60-62; vis. prof. polit. sci, Ceylon, 62-64; res. assoc. Hoover Inst. War, Revolution & Peace, Stanford, 64-65; sr. res. assoc. res. & develop, Asia Found, 65-66; ASSOC. PROF. POLIT. SCI, SAN FRANCISCO, 66- Consult, Asia Found, 66- Polish Armed Forces, 39-45, Lt. Asn. Adv. Slavic Studies; Hist. Asn; Polit. Sci. Asn; Asn. Asian Studies. History of American-Polish relations; recent history of South Asia, especially Ceylon and Pakistan. Publ: Ed, The unseen and silent, Sheed, 52; auth, A Polish chapter in Jacksonian America, Univ. Wisconsin, 53; A Polish chapter of the Russo-Japanese War, Trans. Press, Asiatic Soc. Japan, 59. Address: Dept. of Political Science, University of San Francisco, San Francisco, Calif. 94117.
- LESER, PROF. PAUL W, b. Frankfurt, Germany, Feb. 23, 99; U.S. citizen. ANTHROPOLOGY. Ph.D.(anthrop), Bonn, 25; Dr.Habil.(anthrop), Darmstadt Inst. Tech, 29. Assoc. prof. ANTHROP, New Sch. Soc. Res, 42-47; PROF, Olivet Col, 47-49; Black Mt. Col, 49-51; HARTFORD SEM. FOUND, 51- Vis. prof, grad. faculty soc. & polit. sci, N.Y. Univ, 57; Cologne, 58. U.S.A., 43-45. Soc. Appl. Anthropol; Soc. Ethnomusicol; fel. Anthropol. Asn; Soc. Hist. Tech; Ethnol. Soc; Soc. Sci. Study Relig; Asn. Phys. Anthropol; fel. African Studies Asn; Hist. Asn; German Soc. Ethnol; Austrian Ethnol. Soc. Methods of anthropology; agrarian anthropology; child rearing. Publ: Felder und Bodenbaugeräte der Nyakyusa, In: Ethnologica; Geschichte der Pflugforschung, 29 & Entstehung und Verbreitung des Pfluges, 31, Münster. Address: Dept. of Anthropology, Hartford Seminary Foundation, Hartford, Conn. 06105.
- LeSHAN, DR. LAWRENCE LEE, b. New York, N.Y., Sept. 8, 20; m. 44; c. 1. PSYCHOLOGY. B.A., Col. William & Mary, 42; M.S., Nebraska, 43; Ph.D., Chicago, 54. Instr. psychol, Roosevelt, 47-48, asst. prof, 48-50; res. assoc. Found. Human Res, 52-55; CHIEF DEPT. PSYCHOL, TRAFALGAR HOSP, 58- Res. assoc, Worthington Assocs, Inc, 48-50; chief dept, Inst. Appl. Biol, 54-; res. assoc, Ayer Found, 55-; lectr, New Sch. Soc. Res, 58-60. Mem. World Fedn. Ment. Health, 58; founder & chief, Am. sect, Int. Psychosomat. Cancer Study Group, 59. U.S.A., 43-46, 50-52, 2nd Lt. Am. Psychol. Asn; Am. Soc. Psychological Res; Brit. Soc. Psychological Res. Psychosomatic medicine; self destructive behavior; inter-group hostility; theoretical considerations in parapsychology and psychical research. Publ: Co-auth, Counseling the dying, Nelson, 66; auth, Basic psychological orientation associated with neoplastic disease; Towards a general theory of parapsychology, Parapsychol. Fedn, 68. Address: 322 Central Park West, New York, N.Y. 10025.
- LESHNER, DR. MARTIN, b. Philadelphia, Pa, Dec. 3, 38. PSYCHOLOGY. A.B., Temple, 60, M.A., 62, Ph.D.(indust. psychol), 67. Instr. psychol, TEMPLE, 63-66, ASST. PROF. PHYS. MED. & REHAB. & DIR. RES, REHAB. RES. & TRAINING CENTER, 66- Instr, Drexel Inst, 64. AAAS; Psychol. Asn; Cong. Rehab. Med. Rehabilitation psychology; social psychological study of industrial organizations; medical rehabilitation, especially attitude measurement and change; neuropsychological research. Publ: Medical students attitudes toward physical medicine, Arch. Rehab. Med, 2/68. Address: Temple University Health Sciences Center, Philadelphia, Pa. 19140.

LESHNER, DR. SAUL S, b. Philadelphia, Pa, Dec. 31, 11; m. 38; c. 2. PSYCHOLOGY. M.A. Temple, 42; Ph.D.(psychol), Pennsylvania, 53. EXEC. DIR. JEWISH EMPLOY. & VOC. SERV. 51- Clin. assoc. prof. psychiat. med. center, Temple, 66- Manpower consult. Off. Econ. Opportunity, 66-; tech. consult. Rehab. Serv. Admin. 67- Mem. psychol-voc. cmt. Am. Rehab. Found, 65. Psychol. Asn; Personnel & Guid. Asn. Vocational rehabilitation; personality and adjustment; physiological psychology. Publ: Effects of aspiration and achievement on muscular tensions, J. Exp. Psychol; Helping unemployed youth: a community approach, Children. Address: 1213 Walnut St, Philadelphia, Pa. 19107.

LESIW, DR. WALTER, Eng. Psychol, see Suppl. V to 11th ed, Phys. & Biol. Vols.

LESLIE, PROF. CHARLES MILLER, b. Lake Village, Ark, Nov. 8, 23; m. 46; c. 3. ANTHROPOLOGY. B.A. Chicago, 49, Ford Found. grant & M.A. 50, Ph.D. 59. Instr. anthropol. Southern Methodist, 50-51; lectr. Chicago, 52-53; instr. Minnesota, 54-56; from instr. to assoc. prof. sociol. & anthropol. Pomona Col, 56-66; vis. prof. ANTHROPOL. Washington, 66; PROF. & CHMN. DEPT. N.Y. UNIV. 67- Soc. Sci. Res. Coun. grant; Fulbright grant; Nat. Sci. Found. grant, 62-63; Hopkins res. fel. Center Med. Res. & Training, Calcutta, 65. U.S.A.A.F. 43-46. Fel. Anthropol. Asn; Soc. Appl. Anthropol; Ethnol. Soc; fel. Asn. Asian Studies; fel. Latin Am. Studies; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Social anthropology of Latin America and India. Publ: Now we are civilized; Anthropology of folk religion; Professional and popular health cultures in South Asia, State Univ. N.Y. 67. Address: Dept. of Anthropology, New York University, New York, N.Y. 10453.

LESLIE, PROF. GERALD R(ONNELL), b. Columbus, Ohio, Apr. 16, 25; m. 62; c. 5. SOCIOLOGY. B.A. Ohio State, 48, Scott fel. 48-49, M.A. 49, Ph.D.(sociol), 51. Instr. Purdue, 50-52, asst. prof. 52-53; vis. prof. North Carolina, 53-54; assoc. prof. SOCIOL. Purdue, 55-57, prof. 57-63; head dept. Okla. State, 63-67; PROF. & CHMN. DEPT. FLORIDA, 67- Vis. prof. Columbia, 56-57. U.S.A. 43-46. Sociol. Asn. Family; community organization; counseling. Publ: Sociology of social problems; The family in social context, Oxford, 67. Address: 108 N.W. 22nd Dr, Gainesville, Fla. 32601.

LESLIE, DR. PETER M(ALCOLM), b. Montreal, Que, Apr. 10, 39; m. 67. POLITICAL SCIENCE. B.A. Bishop's (Can), 59; M.Sc. London Sch. Econ, 62; Can. Coun. fel. & Ph.D.(Can. govt), Queen's(Ont), 67. Lectr. CAN. GOVT. QUEEN'S (ONT), 64-67, ASST. PROF. 67- Soc. Sci. Res. Coun. training fel, 67-68. Can. Polit. Sci. Asn. Canadian federalism and political parties. Address: Dept. of Political Studies, Queen's University, Kingston, Ont, Can.

LESLIE, PROF. ROBERT C(AMPBELL), b. Concord, Mass, Oct. 20, 17; m. 41; c. 2. PSYCHOLOGY OF RELIGION. A.B. DePauw, 39; Howard fel. & S.T.B. Boston, 42, Ph.D.(psychol. of relig), 48. Instr. pastoral psychol, Boston, 48-54; from assoc. prof. to PROF. PASTORAL PSYCHOL. & COUNSELING & DIR. PASTORAL COUNSELING SERV, PAC. SCH. RELIG, 54- Am. Asn. Theol. Schs. fel, 60; Nat. Inst. Ment. Health fel, Marriage Coun. Phila, 67-68. U.S.A. 43-46, Maj. Psychol. Asn; Asn. Pastoral Counsr. Group therapy; psychiatry and religion; marriage counseling. Publ: Jesus and logotherapy, Abingdon, 65; Man's search for a meaningful faith, Graded Press, 67; Group therapy: a new approach for the church, Pastoral Psychol, 65. Address: 1798 Scenic Ave, Berkeley, Calif. 94709.

L'ESPERANCE, DR. WILFORD L, b. New York, N.Y; m. c. 3. ECONOMICS, STATISTICS. A.B. Columbia, 51, M.S. 52; Ph.D. Michigan, 63. Mkt. res. analyst, Gen. Elec. Co. N.Y. & Ind. 52-53, 55-60; math. analyst, guided missile div, Ord. Corps, U.S. Dept. Army, 53-55; res. asst. res. seminar quant. econ, Univ. Michigan, 61-63; economist, U.S. Bur. Commercial Fisheries, 62-63; asst. prof. ECON, OHIO STATE, 63-66, ASSOC. PROF. 66- Lectr. Indiana, Ft. Wayne, 56-60. Consult. U.S. Bur. Commercial Fisheries, 63-65. Econ. Asn; Economet. Soc; Statist. Asn. Publ: Further evidence on the predictive power of various estimates, Int. Econ. Rev, 2/67. Address: Dept. of Economics, Ohio State University, 1775 S. College Rd, Columbus, Ohio 43210.

LESSA, PROF. WILLIAM A(RMAND), b. Newark, N.J, Mar. 3, 08. ANTHROPOLOGY. A.B. Harvard, 28; fel. Chicago, 39-40, A.M. 41, Ph.D.(anthropol), 47. Res. assoc. human constitution, Columbia-Presby. Med. Center, 29-30; ANTHROP, Hawaii, 30-33; instr. Brooklyn Col, 41-42; CALIFORNIA, LOS ANGELES, 47-49, asst. prof. 49-55, assoc. prof. 55-61, PROF. 61- U.S.A. 42-45. Fel. AAAS; fel. Anthropol. Asn.(secy, 51-53); Asn. Phys. Anthropol; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland; French Soc. Oceanists; fel. Polynesian Soc. Human constitution; Micronesian culture; Oceanic folklore. Publ: Ulithian personality; Tales from Ulithi Atoll; co-auth. Reader in comparative religion. Address: Dept. of Anthropology, University of California, Los Angeles, Calif. 90024.

LESSE, DR. HENRY, Psychiat, Neurophysiol, see 11th ed, Phys. & Biol. Vols.

LESSER, PROF. ALEXANDER, b. New York, N.Y, Oct. 4, 02; m. 40; c. 3. ANTHROPOLOGY. A.B. Columbia, 23, fel. 30-31, Ph.D. 58; univ. fel. Cmt. Am. Indian Lang, 29, 30; Soc. Sci. Res. Coun. fel. 29-30; Coun. Learned Soc. fel. 31-32. Lectr. anthropol. Columbia, 34-39; instr. anthropol. Brooklyn Col, 40-46; exec. dir. Asn. Am. Indian Affairs, 47-55; ed. Am. Indian, 47-59; PROF. ANTHROP. HOFSTRA, 60- Vis. prof. Northwestern, 38; vis. assoc. prof. Brandeis, 57-60; Bollingen Found. fel. 60-62; vis. prof. Columbia, 64-65, sr. lectr. 65-68; vis. prof. California, Berkeley, summer, 64. Soc. sci. analyst, Off. Coordinator Inter-Am. Affairs, 43-44; chief, econ. studies sect, Latin Am. Div. Off. Strategic Serv, 44-45; chief N. & W. Coast Countries Br, Latin Am. Div. Off. Res. Intel, U.S. Dept. State, 45-47. Anthropol. ed. New Int. Year Book, 36-39; Am. Year Book, 36-38. Fel. Anthropol. Asn; Ethnol. Soc.(secy-treas, 33-38, v-pres, 39); fel. Soc. Appl. Anthropol; Folklore Soc. Applied anthropology; American Indian; anthropological history and methods. Publ: Pawnee ghost dance hand game; co-auth. Social anthropology; auth. Social fields and social evolution, Southwest J. Anthropol. Address: Dept. of Anthropology, Hofstra University, Hempstead, N.Y. 11550.

LESSER, DR. ERWIN, b. Philadelphia, Pa, Jan. 14, 29; m. 55; c. 2. CLINICAL PSYCHOLOGY. B.S. Pa. State, 50, M.S. 54, Ph.D.(clin. psychol), 55. Interviewer, psychol. clin. Pa. State, 54-55; sr. psychologist, State Hosp, Allentown, 55-56; chief psychologist, Guid. Center, Northampton & Monroe Counties, 56-58; clin. psychologist & asst. prof. psychol. guid. center, Miami (Fla), 58-62; CHIEF PSYCHOLOGIST, VARIETY CHILDREN'S HOSP, MIAMI, 62- Private practice, 62-; psychol. consult, Summer Sci. Prog. Gifted Jr. High Sch. Students, 64- Dipl. Am. Bd. Exam. Prfnl. Psychol, 63. Psychol. Asn; Asn. Adv. Behav. Ther. Play therapy; psychotherapy; projective techniques. Publ: Popularity of Rorschach training in the United States, J. Proj. Tech; Behavior therapy with a narcotics user: a case report, Behav. Res. & Ther, 8/67. Address: 6801 S.W. 80th St, South Miami, Fla. 33143.

LESSER, PROF. GERALD S(AMUEL), b. Jamaica, N.Y, Aug. 22, 26; m. 53; c. 3. PSYCHOLOGY. B.A. Columbia, 47, M.A. 48; Ph.D. Yale, 52; hon. M.A. Harvard, 63. Fel. child study center, Yale, 52-54; asst. prof. psychol. & ed. Adelphi Col, 54-56; Hunter Col, 56-60, assoc. prof. 60-63; BIGELOW PROF. ED. & DEVELOP. PSYCHOL. & DIR. LAB. HUMAN DEVELOP, HARVARD, 63- U.S.N. 44-46. Fel. Psychol. Asn. Developmental and educational psychology. Publ: Co-auth. Teacher education and the new media, Am. Asn. Cois. Teacher Ed, 67; auth. Mental abilities of children from different social-class and cultural groups, Monogr. Soc. Res. Child Develop, 65; co-auth. Learning patterns in the disadvantaged, Harvard Ed. Rev, 67. Address: Lab. of Human Development, Larsen Hall, Harvard University, Appian Way, Cambridge, Mass. 02138.

LESSER, DR. WILLIAM M(ORRIS), b. New York, N.Y, Aug. 23, 31; m. 57; c. 1. CLINICAL PSYCHOLOGY. B.A. City Col. New York, 52, M.A. 53; Ph.D. Mich. State, 58. Clin. psychol. intern. Children's Village, Dobbs Ferry, N.Y. 53-54; trainee, Vet. Admin. Hosp, Battle Creek, Mich, 54-55, Ann Arbor, 55-56; counsr, Mich. State Univ, 57-58; clin. psychologist, Conn. Valley Hosp, 58-62; CHIEF CLIN. PSYCHOLOGIST, PSYCHIAT. CLIN, Charlotte Hungerford Hosp, 62-66; WATERBURY HOSP, 66- Sch. consult. 60-; asst. prof. psychol, South. Conn. State Col, 61-63; private practice, 66- Consult. clin. psychologist, Conn. Jr. Repub, 62-; consult. psychologist, Torrington Schs, 66- Dipl. clin. psychol. Am. Bd. Exam. Prfnl. Psychol, 66. Psychol. Asn; Orthopsychiat. Asn. Individual psychotherapy; intra-familial interaction; projective techniques; empathic understanding. Publ: Relationship between counseling progress and empathic understanding, J. Counseling Psychol; co-auth. Study of clinical facilities in public training schools, J. Soc. Ther. Address: R.D. 1, Box 4, Litchfield, Conn. 06759.

LESSING, DR. ELISE ELKINS, b. Minneapolis, Minn, Dec. 25, 27; div; c. 2. PSYCHOLOGY. B.A. Oberlin Col, 49; Ph.D. Chicago, 55. PSYCHOLOGIST, INST. JUVENILE RES, 55- Psychol. Asn. Evaluation of test validity; personality; child development; evaluation of therapy. Publ: Diagnostic validity of the Ames danger signals, J. Consult. Psychol; Prognostic value of the Rorschach in a child guidance clinic, J. Proj. Tech; co-auth. Developmental study of ordinal position and personality adjustment of the child as evaluated by the California Test of Personality, J. Personality, 9/67. Address: Institute for Juvenile Research, 232 E. Ohio St, Chicago, Ill. 60611.

LESSLER, DR. KENNETH J(AY), b. Long Beach, Calif, July 3, 33; m. 56; c. 3. CLINICAL PSYCHOLOGY. B.A. San Jose State Col, 55, M.A. 56; Ph.D. (psychol), Mich. State, 62. Asst. prof. PSYCHOL, N.C. Mem. Hosp, NORTH CAROLINA, CHAPEL HILL, 62-65, UNIV, 65-67, VIS. ASSOC. PROF. 67- Psychologist, 65-; dir. presch. eval. proj, Robeson County Schs, N.C. 67- Consult. psychologist, Lee County Ment. Health Clin, N.C. 63-; Southeast. Regional Ment. Health Center, N.C. 64-; Sanford City Schs, N.C. 65-66. U.S.A. 56-58, 1st Lt. Psychol. Asn. Prediction of school success; psychotherapy; sexual symbolism. Publ: Cultural and Freudian dimensions of sexual symbols, J. Consult. Psychol, 64; co-auth. A comparison of WISC and Peabody scores of Negro and white rural school children, Ment. Hyg, 65; Outcome evaluations and affective response of psychotherapists to patients in treatment, Psychotherapy, 67. Address: Suite 305, Northwestern Mutual Bldg, Chapel Hill, N.C. 27514.

LESSLEY, DR. BILLY VHARD, b. Ozark, Ark, Feb. 1, 35; m. 58; c. 2. AGRICULTURAL ECONOMICS. B.S. Arkansas, 57, M.A. 60; Ph.D.(agr. econ), Missouri, Columbia, 65. Instr. AGR. ECON, Arkansas, 60-62; ASST. PROF. MARYLAND, 65- U.S.A. 58, Res. 58-64, Capt. Agr. Econ. Asn; Econ. Asn. Farm management; production economics. Publ: Co-auth. Allotment distribution and major inputs used in producing Maryland tobacco, 6/66, Census of Maryland agriculture, by counties, 1959 and 1964, 8/66 & Maryland agricultural trends by counties, 1920-1964, 4/67, Univ. Maryland. Address: Dept. of Agricultural Economics, University of Maryland, College Park, Md. 20742.

LESTER, ALLEN HENRY, b. Marshfield, Mass, Oct. 2, 05; m. 29. ECONOMICS. A.B. Tufts, 27; American Univ, 37-41. Teacher, pub. schs, Mass, 33-36; instr. econ, Middlesex, 36-37; spec. agent. econ, U.S. Dept. Commerce, 37-41; economist, defense agencies, 41-43; agr. economist, off. for agr. rels. U.S. Dept. Agr, 43-45; for. serv. officer, Am. Embassy, U.S. Dept. State, Rio de Janeiro, 47-49; Ciudad Trujillo, 52-54; Guatemala, 54-57; Consulate Gen, Guayaquil, 49-52; São Paulo, 46-47; N.Y. Field Off, U.S. Dept. Commerce, 58-59; int. economist, U.S. Dept. State, 60-62; commercial officer & consul, Am. Consulate Gen, Barcelona, 62-65; CONSULT. MKT. & FOREIGN TRADE, 65- Spec. lectr. Curry Col, 68. Mem. Am. Sci. Cong. 40. Cert. Agr. Coun. Ecuador, 52. Econ. Asn. Commerce and economic development of Latin America and Iberian Peninsula; international economics; economic theory. Publ: Co-auth. Inflation's timing. Address: 281 Old Oaken Bucket Rd, Scituate, Mass. 02066.

LESTER, DR. GENE ALICE, b. San Antonio, Tex, Oct. 16, 41; m. 67. PSYCHOLOGY. A.B. Occidental Col, 63; Nat. Sci. Found. fel. & Ph.D.(psychol), Brandeis, 67. ASST. PROF. PSYCHOL, WHEATON COL. (MASS), 67- Consult. art ed. proj, pub. schs, Mass, 87- Vestibular functions; prism adaptation; sound localization. Publ: Co-auth. Sound localization during labyrinthian stimulation, Proc. Annual Convention Am. Psychol. Asn, 67; auth. The case for efferent change during prism adaptation, J. Psychol, 68. Address: Dept. of Psychology, Wheaton College, Norton, Mass. 02766.

LESTER, PROF. MALCOLM, Am. & Eng. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LESTER, DR. OLIVE P(ECKHAM), b. Lancaster, N.Y., Dec. 19, 03. PSYCHOLOGY. B.S. Buffalo, 24, M.A., 26; Ph.D.(psychol), Chicago, 31. Instr. PSYCHOL, STATE UNIV. N.Y. BUFFALO, 25-31, asst. prof, 31-38, assoc. prof, 38-46, PROF, 46- chmn. dept, 54-64. Fel. Psychol. Asn. Attitudes; aspects of personality; prejudice. Address: Dept. of Psychology, State University of New York, Buffalo, N.Y. 14214.

LESTER, PROF. RICHARD A(LLEN), b. Bladell, N.Y., Mar. 1, 08; m. 37; c. 3. ECONOMICS. Buffalo, 25-26; Ph.B. Yale, 29; A.M. Princeton, 30, Ph.D. 36; German-Am. Exchange fel, Bonn, 30-31; London, 31. Instr. econ, Princeton, 31-32, 34-38; asst. prof. labor, Washington (Seattle), 38-40; from asst. prof. to assoc. prof. ECON, Duke, 40-45; assoc. prof. Princeton, 45-48, chmn. dept, 48-55, 61-65, PROF, 48-. FACULTY ASSOC, INDUST. RELS. SECT, 45-. DEAN FACULTY, 68-. assoc. dean & dir. grad. prog, Woodrow Wilson Sch, 66-68. Vis. asst. prof. Haverford Col, 37-38; Soc. Sci. Res. Coun. fel, 41-42; assoc. chief, priorities br, labor div, Off. Prod. Mgt, 41-42. Consult, Off. U.S. Secy. War, 43; arbitrator & chmn. south textile cmn, Nat. War Labor Bd, 43-45; mem. staff, Cmt. Econ. Develop, 44-45. Am. Econ. Asn.(v.pres, 61); Indust. Rels. Res. Asn.(pres, 56); Royal Econ. Soc. Labor-management relations; wages; social insurance; manpower. Publ: As unions mature; Economics of unemployment compensation; Manpower planning in a free society, Princeton Univ, 66. Address: Nassau Hall, Princeton University, Princeton, N.J. 08540.

LETAW, DR. HARRY, JR, Phys. Chem, see 11th ed, Phys. & Biol. Vols.

LETICHE, PROF. J(OHN) M, b. Russia, Nov. 11, 18; nat; m. 45; c. 1. ECONOMIC. B.A. McGill, 40, M.A., 41; Rockefeller fel, 46-47; Ph.D.(econ), Chicago, 51. Economist, President's Emergency War R.R. Bd, 44; Coun. For. Rel. N.Y., 46-47; vis. prof. ECON, Aarhus & Copenhagen, Denmark, 51-52; asst. prof. CALIFORNIA, BERKELEY, 52-56, assoc. prof, 56-60, PROF, 60. Smith-Mundt fel, 51-52; Guggenheim fel, 56-57; spec. tech. econ. adv. to UN Econ. Cmn. for Africa, 61-62. Consult, President's Coun. Econ. Adv; Foreign Serv. Inst. Dept. State, 65-. Agency Int. Develop. & Dept. Labor; Inst. Econ. Develop, Nigeria. Encyclop. Britannica distinguished contributors award. Econ. Asn; Economist. Soc. International trade theory and economic policies; history of economic thought; relationship between the banking structures of African countries, their trade and development; U.S. investment in common market. Publ: Reciprocal trade agreements in the world economy; Balance of payments and economic growth; co-auth, A history of Russian economic thought, Univ. California, 65. Address: Dept. of Economics, University of California, Berkeley, Calif. 94720.

LETON, PROF. DONALD A(LPHON), b. Blenker, Wis., Nov. 20, 20; m. 57; c. 4. EDUCATIONAL PSYCHOLOGY. B.S. Cent. State Col.(Ohio), 47; M.A., Minnesota, 49, Ph.D.(ed. psychol), 55. Psychologist, pub. schs, Minn., 50-56; asst. prof. ED. PSYCHOL, California, Los Angeles, 56-63; PROF, HAWAII, 63-. U.S.A., 42-46, 1st Lt. Psychol. Asn. Address: Dept. of Educational Psychology, University of Hawaii, 1776 University Ave, Honolulu, Hawaii 96822.

LETTIS, T(HOMAS) C(LINTON), b. El Campo, Tex., Mar. 15, 11; m. 34; c. 1. AGRICULTURAL ECONOMICS & EDUCATION. B.S. Sam Houston State Col, 37; M.S. Agr. & Mech. Col. Tex, 45; Texas A&M & Houston, 46-52. Teacher, prin. & supt. schs, Tex, 29-42; work unit conservationist, U.S. Dept. Agr, 43-46; assoc. prof. voc. agr. & agr. econ, Sam Houston State Col, 46-58; agr. ed. adv. Int. Coop. Admin, Israel, 53-54, Taiwan, 55-57, elem. ed. adv. Paraguay, 58-60; Honduras, 60-62, Brazil, 63-65; rural develop. adv. U.S. AGENCY INT. DEVELOP, VIETNAM, 65, AGR. ED. ADV, 66-. Education administration and supervision. Address: 308 E. 20th Ave, Belton, Tex. 76513.

LEU, PROF. HAROLD J, b. Moline, Ill., Jan. 18, 14; m. 46; c. 2. POLITICAL SCIENCE. B.A. Iowa, 37, M.A. Columbia, 40; fel. Michigan, 47-50, Ph.D. (polit. sci), 58. Assoc. prof. soc. sci, SOUTHEAST. LA. COL, 50-58, PROF. GOVT, 58-. U.S.A., 42-46, Sgt. Polit. Sci. Asn; Soc. Int. Law. Address: Box 509 College Station, Hammond, La. 70401.

LEUBA, PROF. CLARENCE J(AMES), b. Bryn Mawr, Pa., July 3, 99; m. 26; c. 5. PSYCHOLOGY. A.B. Haverford Col, 20; M.A. Harvard, 21; Leipzig, 22; Ph.D.(psychol), Syracuse, 29. Instr. PSYCHOL, Syracuse, 28-29; lectr, Bryn Mawr Col, 29-30; assoc. prof. ANTIOCH COL, 30-37, prof, 37-63, chmn. dept, 30-63, EMER. PROF, 63-. Prof, Indiana, 41; California, Los Angeles, 49; vis. prof. Wright State, 65-68. Asst. prod. mgr, Miller Lock Co, 23-27; res. analyst, U.S. Strategic Bombing Serv, 45. U.S.A. 18. AAAS; fel. Psychol. Asn. Motivation; thought processes; learning. Publ: The sexual nature of man; Personality: interpersonal relations and self understanding; Man: a general psychology. Address: Dept. of Psychology, Antioch College, Yellow Springs, Ohio 45387.

LEUCHTENBURG, PROF. WILLIAM E(DWARD), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LEUKEL, PROF. FRANCIS, Exp. Psychol, see 11th ed, Phys. & Biol. Vols.

LEUNG, DR. P(ING) K(EI), b. China, Nov. 27, 07; m. 48; c. 2. ECONOMICS. A.B. Lingnan Univ, 29; M.B.A. Stanford, 31; Ph.D.(econ), Southern California, 36. Assoc. economist, Res. Inst. Soc. Sci, 36-38; dir. res. dept, China State Bank, Ltd, 38-39; managing dir, China Publishers, Ltd, 39-41; assoc. Nyack Trading Co, 45-50; MGT. CONSULT, 50-. U.S. Dept. State-China Inst. N.Y. fel, 42-45. Econ. Asn. International trade and exchange; money and banking. Address: 2325 42nd St. N.W., Apt. 309, Washington, D.C. 20007.

LEUTENEGGER, DR. RALPH R(AYMOND), b. Milwaukee, Wis., Feb. 9, 19; m. 51; c. 5. SPEECH PATHOLOGY. Ph.B. Marquette, 48; M.A. Mich. State, 49; Ph.D. Iowa, 53. Instr. speech path, Mich. State, 53-60; asst. prof. Florida, 60-63; ASSOC. PROF. SPEECH & DIR. SPEECH PATH. & AUDIOL, DEPT. COMMUN, WISCONSIN, MILWAUKEE, 63-. Consult, Vet. Admin.

Hosp, Wood, Wis, 64-.; cleft lip & cleft palate center, Milwaukee Childrens Hosp, 68-. U.S.A.A.F, 41-46, Res, 46-. Lt. Col. Speech & Hearing Asn; Speech Asn; Cleft Palate Asn. Stuttering; articulation and aphasia; phonetics. Publ: The sounds of American English. Address: 415 Grand Ave, Thiensville, Wis. 53092.

LEUTHOLD, DR. CARL A(RTHUR), b. Dubuque, Iowa, June 19, 15. PSYCHOLOGY. B.A. Dubuque, 39; Ph.M. Wisconsin, 40, M.S. 53, Ph.D.(psychol), 56. Head dept. sci, Clifton Jr. Col, 40-42; instr. chem. & zool, Illinois, 47-48; intern clin. psychol, Vet. Admin. Hosp, Tomah, Wis, 53-54, staff psychologist, 56-60; intern, univ. hosps, Wisconsin, 54-55, instr. psychol, 56; chief clin. psychologist, Dodge County Child Guid. Clin, Wis, 55-56; CHIEF, PSYCHOL. SERV, VET. ADMIN. HOSP, TOMAH, 60-. U.S.A. 42-47, Lt. AAAS; Psychol. Asn; Rehab. Asn. Psychotherapy; personality; diagnosis; rehabilitation of the mentally ill. Address: 921 Lemonweir Pkwy, Tomah, Wis. 54660.

LEUTHOLD, DR. DAVID ALLEN, b. Billings, Mont, Nov. 20, 32; m. 57; c. 2. POLITICAL SCIENCE. B.A. Montana, 54, M.A. 60; Ph.D.(polit. sci), California, Berkeley, 65. ASST. PROF. POLIT. SCI, MISSOURI, COLUMBIA, 63-. Vis. asst. prof. Michigan, 67-68. Consult, Mo. Legis, 65. U.S.M.C.R, 55-58, 1st Lt. Polit. Sci. Asn. American politics; political parties; comparative state politics; research methodology. Publ: Electioneering in a democracy, Wiley, 68; California politics and problems, 1900-1963: a selective bibliography, Inst. Govt. Studies, Univ. California, 65; The legislature in Missouri's political system, In: Midwest legislative politics, Inst. Pub. Affairs, Univ. Iowa, 68. Address: Dept. of Political Science, University of Missouri, Columbia, Mo. 65201.

LEUTHOLD, DR. FRANKLIN OSCAR, b. Bucyrus, Ohio, Mar. 7, 37; m. 57; c. 4. RURAL SOCIOLOGY. B.S. Ohio State, 59, M.S. 60; Ph.D.(rural sociol) Wisconsin, 67. Res. sociologist, Can. Center Community Studies, 63-65; ASST. PROF. RURAL SOCIOL, TENNESSEE, 65-. Rural Sociol. Soc; Sociol. Asn. Sociological analysis of the diffusion and acceptance of agricultural innovations; development of farmer organizations; rural population change and migration patterns. Publ: Co-auth, Demonstrators and the diffusion of fertilizer practices, Agr. Exp. Sta, Ohio State Univ, 62; auth, Communication and diffusion of improved farm practices in two northern Saskatchewan farm communities, Can. Center Community Studies, 66; Population changes in Tennessee since 1930, Agr. Exp. Sta, Univ. Tennessee, 66. Address: Dept. of Rural Sociology, University of Tennessee, 302 Morgan Hall, Knoxville, Tenn. 37916.

LEV, DR. JOSEPH, b. Poland, July 11, 03; nat; m. 40; c. 1. STATISTICS. B.S. Yale, 26; fel. Cornell, 32-33, Ph.D.(math), 33. Instr. math, Cornell, 31-32; exam, Munic. Civil Serv. Cmn, New York, 39-47; from instr. to asst. prof. math, Rutgers, 47-48; sr. statistician, State Dept. Civil Serv, N.Y., 48-55, assoc. personnel technician, 55-57; STATISTICIAN, N.Y. STATE DEPT. ED, 57-. Lectr, teachers col, Columbia, 46-48. U.S. Pub. Health Serv. consult, Yerkes Lab. Primate Biol, 53-58; consult, State Dept. Ment. Hyg, N.Y., 57-. Statist. Asn; Math. Asn; Inst. Math. Statist. Educational statistics; mental testing; statistical theory; mathematics. Publ: Statistical inference; Point biserial coefficient of correlation, Ann. Math. Statist; Maximizing test battery prediction when the weights are required to be positive, Psychometrika. Address: 53 Royal Blvd, Delmar, N.Y. 12054.

LEVAK, PROF. ALBERT E(RNEST), b. Etna, Pa., Jan. 12, 22; m. 51; c. 3. SOCIOLOGY. B.S. Pittsburgh, 47, M.Litt, 49; Pa. State Teachers Col, Shippensburg, 48; Ph.D. Mich. State, 54. Asst. prof. pop. rural sociol. & culture, Ohio State, 53; res. in health, Miss. State Col, 53-54; assoc. prof. SOC. SCI, MICH. STATE, 54-64, PROF, 64-. DIR. OFF. HUMAN RELS, INST. COMMUNITY DEVELOP, 66-. training adv, Pakistan Proj, 58-59. Sr. fel, urban studies center, Rutgers, 63-64. Adv. Acad. Village Develop, Peshawar, Pakistan, 60-61; dir, Nat. Sci. Found. In-Serv. Inst. Sociol. Community Soc. Sci. Teachers, 65-66. U.S.A. 43-45. Sociol. Asn; Rural Sociol. Soc. Study of the structure and function of local human relation commissions. Address: Dept. of Social Science, Michigan State University, East Lansing, Mich. 48823.

LEVANTROSSER, DR. WILLIAM F(REDERICK), b. Detroit, Mich., May 31, 25; m. 49; c. 4. POLITICAL SCIENCE. A.B. Michigan, 49, A.M. 50; Nat. Defense Ed. Act fel, Rutgers, 61-64, A.M. 64, univ. fel, 64-65, Ph.D.(polit. sci), 65. Teacher, jr. high sch, Mich, 53-56, high sch, 56-61; fel, Mershon Center Ed. Nat. Security, Ohio State, 65-66; instr. POLIT. SCI, Henry Ford Community Col, 66-67; ASSOC. PROF, HOFSTRA, 67-. U.S.A. 43-46, 51-53, Res, 53-. Col. Polit. Sci. Asn. National defense policies, especially in area of reserve force components; management of reserve components of armed forces; defense manpower utilization, including selective service. Publ: The army reserve merger proposal, Mil. Affairs, fall 66; Defense manpower: management of the reserve components, Indust. Col. Armed Forces, 67; Congress and the citizen-soldier, Ohio State Univ, 67. Address: Dept. of Political Science, Hofstra University, Hempstead, N.Y. 11550.

LEVANWAY, PROF. RUSSELL WILFORD, b. Sask, Can., Nov. 6, 19; U.S. citizen; m. 45; c. 4. PSYCHOLOGY. A.B. Miami (Fla), 48; M.S. Syracuse, 51, Ph.D. 53. Asst. Syracuse, 49-52; asst. prof. clin. psychol. & clin. psychol, Mississippi, 52-54; sch. consult, Rensselaer County Tuberc. & Pub. Health Asn, 54-56; PROF. PSYCHOL. & CHMN. DEPT, MILLSAPS COL, 56-. Summer, Nat. Sci. Found. fel, 61. Consult, Miss. Res. Cmn, 61-. U.S.A.A.F, 43-45, 1st Lt. Psychol. Asn. Effects of threat; creativity; utilization of high-frequency sounds by the albino rat; attitudes of Mississippi populace toward industry. Publ: Effect of stress on expressed attitudes toward self and others, J. Abnorm. & Soc. Psychol; Discipline. Address: Dept. of Psychology, Millsaps College, Jackson, Miss. 39210.

LEVEL, DR. DALE ARTHUR, JR, Speech Commun, Indust. Psychol, see 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.

LEVEN, PROF. CHARLES L(OUIS), b. Chicago, Ill., May 2, 28; m. 50; c. 3. ECONOMICS. B.S. Northwestern, 50, Soc. Sci. Res. Coun. & Ford Found. fcls, 56, M.A., 57, Ph.D.(econ), 58. Economist, Fed. Reserve Bank Chicago,

50-56; asst. prof. econ. Iowa State, 57-59; econ. & regional sci. Wharton Sch. Finance & Commerce, Pennsylvania, 59-62; assoc. prof. econ. Pittsburgh, 62-65; assoc. dir. center regional econ. studies, 63-65; PROF. ECON. & DIR. INST. URBAN & REGIONAL STUDIES, WASHINGTON (ST. LOUIS), 65-66; Soc. Sci. Res. Coun. grant-in-aid, 60. Consult. Sioux City Plan Cmn, 57; Phila. Mayor's Econ. Adv. Cmt, 60; Washington (Seattle), 61; Outdoor Recreation Resources Rev. Cmn, 61. Mem. regional econ. adv. cmn, U.S. Dept. Commerce, 65-67; U.S. Census Adv. Cmn. Small Area Data, 66; cmt. urban econ. Resources for Future, 67. U.S.N.R. 45-46. Econ. Asn; Regional Sci. Asn. (pres. 65). Regional social accounting; urban economics; economic theory; size and forms of cities; urban systems; regional accounts analysis; regional development policy. Publ: Co-auth. Design of regional accounts, 61 & Elements of regional accounts, 64, Johns Hopkins; auth. Establishing goals for regional economic development, J. Am. Inst. Planners, 5/64. Address: Dept. of Economics, Washington University, St. Louis, Mo. 63130.

LeVENESS, DR. FRANK PAUL, b. New York, N.Y., Dec. 19, 41; m. 68. POLITICAL SCIENCE. B.S. Ed. St. John's (N.Y.), 63, M.A., 64, Ph.D. (polit. sci.), 68. Teacher, Holy Cross High Sch., N.Y., 63-66; instr. POLIT. SCI., ST. JOHN'S (N.Y.), 66-68, ASST. PROF., 68-, SUPVR. STUDENT TEACHERS, 67-, adj. lectr., 66. Polit. Sci. Asn; Latin Am. Studies Asn. Latin American governments, especially Central America and the Caribbean areas: examination of governments, church-state relations, economics and constitutions. Publ: The elimination of the electoral college, *Spokesman*, 1 68; Revolution in Latin America, *Perspective*, 4/68; José Figueres: restorer of peace in Costa Rica, *Latin Am. Rev.*, 4/68. Address: 81-30 193rd St., Jamaica Estates, N.Y. 11423.

LEVENSON, DR. ALBERT MURRAY, b. Brooklyn, N.Y., May 23, 31; m. 54; c. 2. ECONOMICS. B.A., City Col. New York, 53, fel. 53-54; Ford Found. fel. 57-58; Ph.D., Columbia, 59. Jr. economist, Indust. Commodity Corp., 53-54; asst. Nat. Bur. Econ. Res., 54-55; lectr. ECON., City Col. New York, 55-58, instr. Hofstra Col., 58-60, asst. prof., 60-61; QUEENS COL. (N.Y.), 61-67, ASSOC. PROF., 67- Ford fel. inst. basic math, Wharton Sch., Pennsylvania, 61-62. Res. consult. Hofstra Univ. Center Bus. & Urban Res., 67-Econ. Asn; Regional Sci. Asn. Price theory. Publ: Co-auth. Outline of price theory, 64 & Exercises and problems in price theory, 64, Holt; auth. Interest rate and cost differentials in bank lending to small and large business, *Rev. Econ. & Statist.*, 5/62. Address: 338 Church Ave., Woodmere, N.Y. 11598.

LEVENSON, DR. JOSEPH RICHMOND, Hist, see 5th ed, Dir. Am. Scholars, Vol. 1. Hist.

LEVENSON, DR. MYRON H., b. Pittsburgh, Pa., Feb. 9, 26; m. 58; c. 2. SOCIOLOGY. B.S. Pittsburgh, 49, M.A., 57; Commonwealth Fund fel. North Carolina, 57-61, Ph.D. (sociol.), 66; Ford Found. fel. Cornell, summer 63. Asst. prof. sociol. & anthropol. State Univ. N.Y. Col. Oneonta, 61-64; asst. dir. center housing & environ. studies, Cornell, 64-66; asst. prof. sociol. State, 66-68; ASSOC. PROF. SOCIOL. & ANTHROP., INDIANA UNIV. PA., 68- U.S.A.A.F., 43-46; A.U.S., 51-52, 2nd Lt. Ethnol. Soc.; Sociol. Asn; Pop. Asn. Mental health of the aged; population change and social structure; attitudes toward law and law-making. Publ: Communicable disease and the American Indian, *Folkhealthways Newsletter*, 10/60; co-auth. Culture versus society, *AAA Abstracts*, 11/60; Some southern folk remedies and related beliefs, *N.C. Folklore*, 12/60. Address: Dept. of Sociology & Anthropology, Indiana University of Pennsylvania, Indiana, Pa. 15701.

LEVENTHAL, PROF. DONALD (ECKER), b. Chattanooga, Tenn., Aug. 8, 30; m. 55; c. 2. PSYCHOLOGY. B.S., Chattanooga, 52; M.S., Baylor, 53; Ph.D., Houston, 56. Sr. psychologist, Topeka State Hosp., Kans., 56-58; coordinator clin. psychol. training, 58-60; assoc. prof. PSYCHOL. & chmn. dept. Washburn, 60-66; PROF. & CO-DIR. CLIN. TRAINING, BOWLING GREEN STATE, 66- Consult. Topeka State Hosp., 60- Dipl. Am. Bd. Exam. Prfnl. Psychol. Psychol. Asn. Personality and psychopathology. Publ: Intra-individual consistency in conceptualization & Multivariable analysis of the conceptual behavior of schizophrenic and brain-damaged patients, *J. Abnorm. Soc. Psychol.*, The effects of sex role adjustment upon the expression of aggression, *J. Personality & Social Psychol.* Address: Dept. of Psychology, Bowling Green State University, Bowling Green, Ohio 43402.

LEVENTHAL, DR. GERALD S(EYMOUR), b. Brooklyn, N.Y., Apr. 29, 36; m. 61. SOCIAL PSYCHOLOGY. B.A., Queen's Col. (N.Y.), 57; Brooklyn Col., 57-59; J.B. Duke fel. Duke, 60-61, Nat. Inst. Ment. Health fel., 61-62, Ph.D. (soc. psychol.), 62. Nat. Inst. Ment. Health fel. soc. psychol., Columbia, 62-63; acting asst. prof. PSYCHOL., California, Los Angeles, 63-64; ASST. PROF., N.C. STATE, 64- Center Occup. Ed. res. grant, 66-68. Nat. Sci. Found. res. grants, 65-69. Psychol. Asn. Group processes; development of social behavior; attitude change and impression formation. Publ: Co-auth. Attraction to disliked activity as a function of prior attack, *Off. Naval Res.*, 65; auth. Reward magnitude, activity attractiveness and liking for instrumental activity, *J. Abnorm. & Soc. Psychol.*, 64; co-auth. Adrenalin, stimulation and preference for familiar stimuli, *J. Comp. & Physiol. Psychol.*, 68. Address: Dept. of Psychology, North Carolina State University, Raleigh, N.C. 27607.

LEVENTHAL, DR. HOWARD, b. New York, N.Y., Dec. 7, 31; m. 54; c. 2. SOCIAL PSYCHOLOGY. B.S., Queens Col. (N.Y.), 52; U.S. Pub. Health Serv. fcls., North Carolina, 54, 56, M.A., 54, Ph.D. (psychol.), 56. Instr. PSYCHOL., North Carolina, 52-53; clin. trainee, U.S. Vet. Admin. Hosps., Fayetteville, N.C., 54-55, Durham, 55; asst. prof., Yale, 58-64, assoc. prof., 64-67; PROF., WISCONSIN, 67- Consult. U.S. Pub. Health Serv., 60- U.S.P.H.S., 56-58, Lt. AAAS; Psychol. Asn. Emotional behavior; attitude change; behavior to stress of illness; reactions during pregnancy and childbirth. Publ: Experimental studies of anti-smoking communications, In: *Smoking and health behavior*, 68; Fear communication in the acceptance of preventive health practices, *Bull. N.Y. Acad. Med.*, 65; Effects of fear and instruction on how to cope with danger, *J. Personality & Soc. Psychol.*, 67. Address: Dept. of Psychology, University of Wisconsin, Madison, Wis. 53705.

LEVENTHAL, DR. MORTON, b. Philadelphia, Pa., Nov. 8, 24; m. 49; c. 2. CLINICAL PSYCHOLOGY. A.B., Bard Col., 47; Ph.D. (clin. psychol.), Kansas,

53. Clin. psychol. trainee, Winter Vet. Admin. Hosp., Kans., 49-52, staff clin. psychologist, Vet. Admin. Ment. Hyg. Clin., Chicago, Ill., 52-54, CHIEF CLIN. PSYCHOL. SECT., NEUROPSYCHIAT. SERV., VET. ADMIN. HOSP., 54- Lectr., Louisville, 55-56, adj. assoc. prof., 60- Dipl. Am. Bd. Prfnl. Psychol., 61. U.S.N.R., 43-46, Lt. Psychol. Asn. Perception, phenomenology of disturbed perceptual states; communication, methods for best presenting psychological inferences in clinical reports. Publ: Co-auth. Evaluation of psychological reports in a clinical setting, *J. Consult. Psychol.* Address: 1668 Al Mara Circle, Louisville, Ky. 40205.

LEVENTMAN, PROF. SEYMOUR, b. Brooklyn, N.Y., June 9, 30; m. 61. SOCIOLOGY. B.A., Wash. State Col., 51; M.A., Indiana, 53; Ph.D. (sociol.), Minnesota, 58. Instr. SOCIOL., Macalester Col., 57-58; Pa. State, 58-60; ASST. PROF., PENNSYLVANIA, 60- Res. consult. Community Ment. Health Center, Pa. Hosp., 66- Sociol. Asn; Soc. Study Social Probs. Race relations; social theory and classes; racial and ethnic minorities, particularly the rise of black nationalism in the Negro community. Publ: Co-auth. Children of the gilded ghetto, *Yale Univ.*, 61; auth. Minority group leadership, In: *Mass society in crisis*, Macmillan, 64; Class and ethnic tensions, *Sociol. & Social Res.*, 4/66. Address: Dept. of Sociology, University of Pennsylvania Graduate Studies, Philadelphia, Pa. 19104.

LeVERE, DR. THOMAS EARL, b. Cleveland, Ohio, July 18, 38; m. 65. PHYSIOLOGICAL & COMPARATIVE PSYCHOLOGY. B.Sc., Ohio State, 61, M.A., 62, Ph.D. (psychol.), 65. Chief sect. psychol., Henry Ford Hosp., 65-67; ASST. PROF. PSYCHOL., N.C. STATE, 67- Psychol. Asn; Int. Primatol. Soc. Neural mechanisms of learning and retention; discrimination learning; electrical correlates of behavior; short term memory; behavior and physiology of circadian rhythms. Publ: The primate circadian rhythm during isolation, 67 & Entrainment and the primate circadian rhythm, 67, *Psychonomic Sci.*; The relation of cue size to learning set performance with S-R biases eliminated, *J. Comp. & Physiol. Psychol.*, 68. Address: Dept. of Psychology, North Carolina State University, Raleigh, N.C. 27607.

LEVERETT, HOLLIS M., Psychol, see 10th ed, Soc. & Behav. Vols.

LEVESQUE, DR. ROBERT J(ACQUES), b. Shawinigan, Que., Jan. 3, 35; m. 65. ECONOMICS. B.A., Laval, 56; B.Sc., Montreal, 60, M.A., 61; Ph.D. (econ.), London, 66. Instr. econ., Montreal, 61-62; res. officer, Royal Cmn. Taxation, 63-64; sr. lectr. ECON., British Columbia, 64-65; ASST. PROF., MONTREAL, 66- Consult. Confederation Nat. Trade Unions, 67-; Nat. Energy Bd., Can., 67- Am. Econ. Asn; Can. Econ. Asn; Can. Soc. Econ. Sci. Public finance; econometrics. Publ: The shifting of the corporate income tax in the short run, 67 & co-auth. Stripping of corporate surplus, 67; *Queen's Printer*, Can. Address: Dept. of Economics, University of Montreal, Que., Can.

LEVI, DR. JOSEPH, b. Poland, Apr. 10, 08; nat; m. 33; c. 2. PSYCHOLOGY. B.S., N.Y. Univ., 31, Ph.D. (clin. psychol.), 43; M.A., Columbia, 34. Psychologist, psychiat. div., Bellevue Hosp., N.Y., 40-46; chief clin. psychologist, Bronx Vet. Admin. Hosp., 46-48; res. psychologist & Commonwealth Fund res. fel. inst. phys. med. & rehab., N.Y. Univ. Bellevue Med. Center, 48-51; asst. prof. clin. psychol., Yeshiva, 52-61, consult. psychol., clin., 54-61; CLIN. PSYCHOLOGIST, 61- Assoc. prof., Queensboro Community Col., 67- Consult. Homecrest, Yonkers, N.Y., 51; Children's Serv. Bur., Brooklyn, N.Y., 51-55; family serv. divs., Salvation Army, 52- Dipl. Am. Bd. Exam. Prfnl. Psychol., 47. Fel. Psychol. Asn; fel. Soc. Proj. Tech. Projective techniques; psychoanalysis; perception and personality. Publ: Hawthorne's scarlet letter, *Am. Image*; Psychometric pattern of the adolescent psychopathic personality; Acting out as seen on the Rorschach test, In: *Acting out*, Grune. Address: 1014 E. Seventh St., Brooklyn, N.Y. 11230.

LEVI, DR. MARIO, b. Turin, Italy, May 18, 14; nat; m. 46; c. 4. PSYCHOLOGY. LL.D., Turin, 36; M.A., Chicago, 49. Res. psychologist, U.S. Air Force, 51-61; behav. res. analyst, Calif. Youth Authority, 61-64; RES. PSYCHOLOGIST, CALIF. REHAB. CENTER, CORONA, 64- Private practice, 60- Res. consult. Sacramento County Sch. Dist., 60. U.S.A., 41-44. Psychol. Asn. Causes, treatment and prognosis of delinquency; test construction and theory; personnel selection and assignment; drug addiction. Publ: Sociometric problems in air crews & Study of crew member perception of group functioning, *Am. Psychologist*; co-auth. Sociometric studies of combat air crews, *Sociomet.* Address: 3124 Flanders Rd., Riverside, Calif. 92507.

LEVI, PROF. WERNER, b. Halberstadt, Germany, Mar. 23, 12; nat; m. 36; c. 2. POLITICAL SCIENCE. J.D., Fribourg, 34; A.M., Minnesota, 43, Ph.D., 44. Asst. POLIT. SCI., Minnesota, Minneapolis, 43-44, instr., 44-45, asst. prof., 45-47, assoc. prof., 47-51, PROF., 51-63; HAWAII, 63- Vis. prof., Melbourne, 47; Marburg, 48; Delhi, 50; Canberra, 55; Geneva, 58; Hawaii, 61; lectr., Univs. Denmark & Netherlands, 51, Australia, Malaya & India, 55, Germany & France, 59; Am. Inst. Indian Studies res. fel. India, 65; Fulbright vis. prof., Munich, 66-67; sr. specialist, East-West Center, Honolulu, Hawaii, 67; research in Australia, 67-68. Polit. Sci. Asn; Asn. Asian Studies; Int. Studies Asn. Far Eastern and Pacific affairs; international organization and politics. Publ: Fundamentals of world organization, 50 & Modern China's foreign policy, 53, Univ. Minnesota; The challenge of world politics in South and Southeast Asia, Prentice-Hall, 68. Address: Dept. of Political Science, University of Hawaii, 2550 Campus Rd., Honolulu, Hawaii 96822.

LEVIN, DR. BERNARD MARTIN, Psychometry, see 11th ed, Suppl. IV to Phys. & Biol. Vols.

LEVIN, DR. BERNARD M(YRON), b. Waterbury, Conn., June 8, 18; m. 61. PSYCHOLOGY. B.S., Pittsburgh, 38, Litt. M., 46, Ph.D. (psychol.), 53. Voc. adv., VET. ADMIN., 46-47, personal couns., 47-51, CLIN. PSYCHOLOGIST, 51- Lectr., Pittsburgh, 55-56. U.S.A., 41-46, Maj. Psychol. Asn. Psychotherapy; psychodiagnostic testing. Address: 3710 Henley Dr., Pittsburgh, Pa. 15235.

LEVIN, DR. DAVID RICHARD, b. Milwaukee, Wis., Aug. 2, 13; m. 42; c. 2. ECONOMICS. B.A., Wisconsin, 34, M.A. & LL.B., 38, Ph.D. (econ. law), 37. J.D., 66. Chief, div. hwy. & land admin., U.S. BUR. PUB. RDS., 38-62, DEP. DIR. OFF. RIGHT-OF-WAY LOCATION, 62- Mem. Hwy. Res. Bd., Nat.

Acad. Sci-Nat. Res. Coun, 41-; staff, spec. task force on qual. of environ. Fed. Hwy. Admin. Silver Medal award, Dept. Commerce; Roy W. Crum Distinguished Serv. award, Nat. Acad. Sci, 63. Bar. Asn; Asn. State Hwy. Officials. Legal, economic, administrative and financial aspects of highway transportation; integration of all forms of transportation; urban transportation problems; environmental matters related to transportation and urban problems. Address: 9209 Cypress Ave, Bethesda, Md. 20014.

LEVIN, DR. EDWARD S(AMUEL), b. Bridgeport, Conn, Aug. 19, 28; m. 51; c. 3. CLINICAL PSYCHOLOGY. B.S. Queens Col, 49; M.A. Columbia, 50; Ph.D.(clin. psychol), Syracuse, 55. U.S. Pub. Health Serv. intern psychol, Cincinnati Gen. Hosp, 52-53; asst. clin. psychol. & asst. instr, Syracuse, 53-55; chief psychologist, Child Psychiat. & Guid. Center, Scranton, Pa, 55-57; sch. psychologist, Manhasset Pub. Schs, 57-63; PSYCHOLOGIST, 57- Dipl. Am. Bd. Exam. Prfnl. Psychol, 62. Psychol. Asn. Personality development; psychotherapy; psychodiagnosis; psychoanalysis. Publ: co-auth, Toward the effective practice of school psychology, N.Y. State Psychol. Asn, 66. Address: 515 Hempstead Ave, Rockville Centre, N.Y. 11570.

LEVIN, E(DWIN), Psychol, see 10th ed, Soc. & Behav. Vols.

LEVIN, DR. GERALD R(ICHARD), b. Brooklyn, N.Y, Mar. 12, 32; m. 58; c. 1. PSYCHOLOGY. A.B. Antioch Col, 53; M.A. Columbia, 54, Ph.D.(clin. psychol), 58. U.S. Pub. Health Serv. trainee, Columbia, 54-57; lectr. psychol, Hunter Col, 57; intern clin. psychol, med. sch, Duke, 55-56; clin. psychologist, State Dept. Instns. & Agencies, 57-59; instr. PSYCHOL, Brown, 59-60, ASST. PROF, 60-63; SWARTHMORE COL, 63- Res. consult, State Bur. Res. Neurol. & Psychol, N.J, 58-59; blind child res. proj, inst. phys. med. rehab, N.Y. Univ-Bellevue Med. Center, 58-59; consult, Bristol Sch. Dept, R.I, 59-63; State of R.I, 60-63. AAAS; Psychol. Asn; Soc. Res. Child Develop. Child development; children's learning and thinking. Publ: Co-auth, Response to food and praise by emotionally disturbed boys, Psychol. Reports, 62, Item scrambling in a self-instructional program, J. Ed. Psychol, 63 & Nonnutritive sucking by human neonates, Child Develop, 64. Address: Dept. of Psychology, Swarthmore College, Swarthmore, Pa. 19081.

LEVIN, PROF. HARRY, b. Baltimore, Md, Mar. 3, 25; m. 46; c. 3. PSYCHOLOGY. B.A. Maryland, 48; M.A. Michigan, 49; Soc. Sci. Res. Coun. fel, 50-51, Ph.D, 51. Asst. prof. ed. & res. assoc, Harvard, 51-55; from assoc. prof. to KENAN PROF. PSYCHOL. & CHMN. DEPT, CORNELL, 55- Nat. Inst. Ment. Health spec. fel; Soc. Sci. Res. Coun. grant, Italy, 61-62. Mem. res. adv. cmt, U.S. Off. Ed, 59-61; small grants cmt, Nat. Inst. Ment. Health, 59- U.S.A, 44-46. Psychol. Asn. Developmental psychology and reading research. Publ: Co-auth, Patterns of child rearing; Basic studies on reading. Address: Dept. of Psychology, Morrill Hall, Cornell University, Ithaca, N.Y. 14850.

LEVIN, PROF. HARVEY J(OSHUA), b. New York, N.Y, July 1, 24. ECONOMICS. A.B. Hamilton Col, 44; univ. scholar, Columbia, 46-47, Perkins scholar, 47-48, M.A., 48, Ph.D.(econ), 53; scholar, Oxford, 48. Asst. prof. ECON, Pa. State, 50-54; instr, Columbia Col, 54-55; HOFSTRA, 55-56, assoc. prof, 56-62, prof, 62-64, WELLER PROF, 64-, chmn. dept, 61-64. Ford grant, Columbia, 53, Brookings res. prof, 59-60; fel, Harvard, 63-64; Resources for the Future res. grant, 64-68; summers, consult. & co-dir, N.Y. State Moreland Cmn. Alcoholic Beverage Control Law, 63, vis. prof, Columbia, 64. Consult, United Res. Inc, 65-66; Ford Found, 66-67; antitrust div, Justice Dept, 66-67; nat. conf. use & regulation of radio spectrum, Resources for the Future & Brookings Inst, 66-67. AAAS; Econ. Asn; Royal Econ. Soc. Government and business; antitrust economics; regulated industries; industrial organization. Publ: Economic effects of broadcast licensing, J. Polit. Econ, 4/67. New technology and old regulation in radio spectrum management, Proc. Am. Econ. Asn, 5/66; Limits of self-regulation, Columbia Law Rev, 4/67. Address: Dept. of Economics, Hofstra University, Hempstead, N.Y. 11550.

LEVIN, DR. HERMAN I(VAN), b. Pensacola, Fla, Apr. 23, 32. CLINICAL PSYCHOLOGY. B.A. La. State, 53; M.A. Columbia, 54; Ph.D. Florida, 58. Trainee, Vet. Admin. Neuropsychiat. Hosp, Gulfport, Miss, 57-58, Ment. Hyg. Clin, 58-59; staff psychologist, Chattanooga Guid. Clin, Tenn, 59-61; St. Elizabeth's Hosp, D.C, 61-65; CHIEF PSYCHOLOGIST, PALM BEACH COUNTY PSYCHIAT. CLIN, 65- Psychol. Asn. Perceptual defense. Publ: Influence of affect-stimuli on subsequent performance, Dissertation Abstracts. Address: Palm Beach County Psychiatric Clinic, Bldg. 1144, 12th St, Southboro Station, West Palm Beach, Fla. 33402.

LEVIN, HOWARD S, b. Chicago, Ill, Feb. 16, 24; m. 48; c. 2. BUSINESS MANAGEMENT. B.S. Chicago, 46. Instr. math, undergrad. div, Illinois, 46-48; mathematician, U.S. Dept. Air Force, 50-53; methods res. officer, Chesapeake & Ohio Ry. Co, 53-54; consult, Ebasco Serv. Inc, 54-58; managing assoc, Arthur Young & Co, 58-61; PRES, PROBABILITY FUND, INC, 62-; PRES, LEVIN TOWNSEND COMPUT. CORP, 62- C.Eng, U.S.A, 44-45. Ops. Res. Soc; Asn. Comput. Mach; Inst. Elec. & Electronics. Eng; Inst. Mgt. Sci. Management uses of electronic computers; application of operations research; financing of computer purchases. Publ: Office work and automation; co-auth, Analytic geometry. Address: 445 Park Ave, New York, N.Y. 10022.

LEVIN, DR. JACOB LOUIS, b. Chicago, Ill, Sept. 21, 26; m. 48; c. 4. CLINICAL PSYCHOLOGY. B.Ed, Chicago Teachers Col, 48; M.A. Northwestern, 50, Ph.D, 61. Psychologist, bur. child study, Chicago Bd. Ed, 52-55, Cook County Jail Sch, 55-64; from asst. prof to ASSOC. PROF. PSYCHOL, CHICAGO STATE COL, 64- Consult, Am. Munic. Asn, 57; Nat. Forum Found. Am. Ed, 60; psychol. consult, Chicago State Hosp. & Charles Read Zone Center, 65- Psychol. Asn; Personnel & Guid. Asn. Child and adolescent psychotherapy; projective techniques; training of school psychologists, psychotherapists and counselors; delinquency and criminal psychology. Publ: How cities control juvenile delinquency. Address: Dept. of Psychology, Chicago State College, 6800 S. Stewart Ave, Chicago, Ill. 60621.

LEVIN, DR. JONATHAN V(ICTOR), b. New York, N.Y, June 11, 27; m. 57. ECONOMICS. B.S. Columbia, 50; M.A. Fletcher Sch. Law, 51, Ph.D.(econ), 56; Fulbright fel, Strasbourg, France, 51-52, dipl, 52, Clayton fel, 53-54;

fel, Harvard, 54-56. Economist, Fed. Reserve Bank New York, 56-62; U.S. Securities & Exchange Cmn, 62-63, chief economist, off. prog. planning, 63-64; SR. ECONOMIST, FISCAL AFFAIRS DEPT, INT. MONETARY FUND, 64- U.S.A, 45-47, Sgt. Econ. Asn; fel. Geog. Soc; Soc. Int. Develop. Tax, fiscal and monetary analysis; structure and operation of markets for equities and government securities; international economic relations; effects of international trade on economic development and fluctuations in developing countries. Publ: Export economies: their pattern of development in historical perspective; Treasury debt management, Monthly Rev; The effects of economic development upon the base of a sales tax: a case study of Colombia, Int. Monetary Fund Staff Papers, 3/68. Address: 8620 Rayburn Rd, Bethesda, Md. 20034.

LEVIN, DR. MARTIN L(OUIS), b. Bridgeport, Conn, Sept. 13, 36; m. 65. S.B. Mass. Inst. Tech, 58; Chicago, 58-59; Ph.D.(sociol), Hopkins, 67. Instr. SOCIOL, EMORY, 64-67, ASST. PROF, 67- Consult, State Dept. Revenue, Ga, 64-66; South. Regional Coun, 67- Sociol. Asn. Computer simulation of social systems; mathematical sociology; diffusion of innovation; mass communications; social change; political sociology. Publ: Co-auth, Black youth in a southern metropolis, South. Regional Coun, 68; auth, Social climates and political socialization, Pub. Opinion Quart, 61; co-auth, Traditions of research on the diffusion of innovation, Am. Sociol. Rev, 63. Address: Dept. of Sociology, Emory University, Atlanta, Ga. 30322.

LEVIN, DR. MAX M, b. Chicago, Ill, Mar. 29, 16; m. 37; c. 3. PSYCHOLOGY. A.B. California, Los Angeles, 37; Ph.D.(psychol), California, 46. Asst. dir. & clin. psychologist, Homewood Terrace, San Francisco, Calif, 39-42; from fel. to instr, California, 43-44; res. assoc, Nat. Defense Res. Cmt, proj, Stanford, 44-45; sr. personnel technician, Los Angeles Civil Serv. Cmn, Calif, 45-46; asst. prof. psychol, Wyoming, 46-47; State Col. Wash, 47-49; Washington (Seattle), 49-52; psychologist, Nat. Inst. Ment. Health, 52-56; exec. officer, Found. Fund Res. Psychiat, 56-61; assoc. dir, Inst. Study Human Probs. & lectr. PSYCHOL, Stanford, 61-67; LECTR. SR. PRECEPTOR & COORDINATOR ED. RES. CROWN COL, CALIFORNIA. SANTA CRUZ, 67- Res. assoc, Yale, 56-61. Civilian with U.S. Army. Personality development; social psychology. Address: Dept. of Psychology, Crown College, University of California, Santa Cruz, Calif. 95060.

LEVIN, DR. MONROE L(OUIS), b. New York, N.Y, Mar. 8, 24; m. 45; c. 3. CLINICAL PSYCHOLOGY. A.B. Louisville, 48, univ. fel, 50-51; M.A. Columbia, 49, Ky. Dept. Ment. Health fel, 49-51, U.S. Pub. Health Serv. fel, 51-53, Ph.D.(clin. psychol), 54. Chief clin. psychologist, West. State Hosp, Hopkinsville, Ky, 54-57; sch. psychologist, Oneida Consol. Schs, N.Y, 57-62; Syosset Pub. Schs, N.Y, 62-65; CLIN. PSYCHOLOGIST, 65- Exec. dir, Christian Center Ment. Health Center, 55-57; summer faculty, Colgate, 57-62; lectr, Syracuse, 59-65; adj. assoc. prof, C.W. Post Col, Long Island, 62-65; staff mem, Huntington Township Ment. Health Clin, 63-65. Consult, Warren County Juvenile Court, Ky, 56-57; Student Counseling Serv, Colgate, 59-62; Indust. Home for Blind, 65- U.S.A.A.F, 43-46, Psychol. Asn. Psychotherapy; psychodiagnosis; community mental health. Publ: Validation of the Lowenfeld mosaic test, A comparison of the effects of phenobarbital, promethazine, chlorpromazine and placebo upon mental hospital patients & A reply to Sines' note, J. Consult. Psychol. Address: 16 Old Town Lane, Halesite, N.Y. 11743.

LEVIN, PROF. RICHARD H(ERBERT), b. Newark, N.J, Sept. 23, 30; m. 55; c. 3. PSYCHOLOGY. B.S. Rutgers, 52; M.A. Florida, 54, Ph.D.(psychol), 58. Clin. psychologist, Vet. Admin. Center, Jackson, Miss, 58-61; asst. prof. psychiat, med. center, Mississippi, 61-66, lectr. post-grad. med. servs, 62; ASSOC. PROF. PSYCHOL, PURDUE, 66- Consult, Vet. Admin. Center, 61- AAAS; Psychol. Asn. Perceptual processes; group dynamics; measurement of behavior change. Publ: Perceptual recognition as a function of conflict and defense, Dissertation Abstr; Psychological effects of prolonged subconvulsive cerebral electrostimulation. Address: Dept. of Psychology, Purdue University, Lafayette, Ind. 47906.

LEVIN, PROF. S(AMUEL) M(ORDECAI), b. Poland, June 6, 88; nat; m. 14; c. 4. ECONOMICS. A.B. Michigan, 12; A.M. Chicago, 25. Instr. hist. & econ, De-troit Jr. Col, Mich, 15-19, head dept. soc. sci, 19; prof. & chmn. dept. Col. City Detroit, 25-33; ECON. WAYNE STATE, 33-53, prof, 53-58, EMER. PROF, 58- Econ. Asn; Eugenics Soc. Industrial relations; population technology; articles on economics, technology and population in academic journals. Publ: Malthus and the conduct of life, Twayne, 67. Address: 10729 Santa Maria, Detroit, Mich. 48221.

LEVIN, DR. SAUL M(ICHAE), b. Brooklyn, N.Y, July 30, 32. CLINICAL PSYCHOLOGY. B.A. Swarthmore Col, 54; Ph.D.(clin. psychol), Duke, 59. U.S. Pub. Health Serv. training fel, sch. med, Minnesota, 59-60; ASST. PROF. PSYCHOL, WAYNE STATE, 60-; PSYCHOLOGIST, LAFAYETTE CLIN, 60- Consult, Mich. Cancer Found, 66-67. Psychol. Asn. Behavior therapy; continuous association behavior of schizophrenics; verbal conditioning. Publ: Effects of awareness on verbal conditioning, J. Exp. Psychol; co-auth, Effects of awareness and attitude towards the reinforcement on the operant conditioning of verbal behavior, J. Personality & The acquisition of positive secondary reinforcement in human subjects, Psychonomic Sci, 6/66. Address: Lafayette Clinic, 951 E. Lafayette, Detroit, Mich. 48207.

LEVIN, DR. WILLIAM, b. Albany, N.Y, Oct. 5, 10; m. 45; c. 2. STATISTICS, ECONOMICS. B.C.S. N.Y. Univ, 31, M.C.S. 33, Ph.D.(econ), 35. Economist, War Prod. Bd, 40-43; asst. controller, UNRRA, 45-48; econ. adv. Excess Profits Tax Coun, 49-50; economist, FED. TRADE Cmn, 50-51, from chief statistician to CHIEF, DIV. FINANCIAL STATIST, 51- U.S.A, 43-45. Statist. Asn; Econ. Asn. Industrial statistics. Address: 5423 33rd St. N.W., Washington, D.C. 20015.

LEVINE, PROF. A(ARON) LAWRENCE, b. Edmonton, Alta, July 26, 25; m. 51; c. 1. ECONOMICS. B.A. Alberta, 49; M.A. Toronto, 50; Ph.D.(indust. hist), London, 54. Dir. natural resource econ. sect, dept. econ, Govt. of Ont, Can, 55-56; asst. prof. ECON, NEW BRUNSWICK, 56-67, PROF, 67- Nuffield fel, UK, 62-63; Can. Coun. sr. fel, 67-68. Econ. Asn; Econ. Hist. Asn; Can. Polit. Sci. Asn; Can. Hist. Asn. Economic theory. Publ: Retardation

and entrepreneurship, Atlantic Prov. Econ. Coun, 65; Industrial retardation in Britain 1880-1914, Basic Books, 67; Economic science and population theory, Pop. Studies, 11/65. Address: Dept. of Economics & Political Science, University of New Brunswick, Fredericton, N.B., Can.

LEVINE, DR. ABRAHAM, b. Bayonne, N.J., July 11, 23; m. 50; c. 3. CLINICAL PSYCHOLOGY. B.S.S., City Col. New York, 48, M.S., 49; Ph.D.(clin. psychol.), N.Y. Univ., 55. Asst. clin. psychologist, Mt. Sinai Hosp, New York, N.Y., 49-51, supvr., 51-54, res. asst. psychiat, 52-55, sr. clin. psychologist, 54-55; dir. psychol. serv., Hillside Hosp, Glen Oaks, N.Y., 55-64; FACULTY MEM., INST. PSYCHOANAL. TRAINING & RES., 65- Sig. C, 42-45, Sgt. Psychol. Asn; Soc. Proj. Tech. & Personality Assessment. Psychoanalytical research on lysergic acid diethylamide; ego strength and weakness; Rorschach and other projective techniques; psychoanalytic theory; therapy. Publ: Appraising ego strength from the projective test battery; Comparative evaluation of latent and overt schizophrenic patients with respect to certain personality variables; Lysergic acid diethylamide XIV effect on personality as observed in psychological tests. Address: 7 Sussex Rd, Great Neck, N.Y. 11020.

LEVINE, DR. ABRAHAM S(ETH), b. New York, N.Y., July 13, 20. PSYCHOLOGY. B.A., Iowa, 41, fel, 42; M.A., Minnesota, 47, Ph.D.(psychol.), 50. Instr. psychol., Minnesota, 48-49; res. psychologist, U.S. Dept. Air Force, 50-51; Soc. Sci. Res. Coun. fel, Illinois, 51-52; res. psychologist, U.S. Dept. Navy, 52-65; CHIEF PROG. RES. BR, SOC. & REHAB. SERV., DEPT. HEALTH, ED. & WELFARE, 65- Mem. Soc. Sci. Res. Coun. U.S.A.A.F., 42-45. AAAS; Psychol. Asn. Personnel psychology; psychometrics. Publ: Perseveration, rigidity and persistence & Perseveration or the central factor, Psychol. Reports; Minnesota psycho-analogies test, J. Appl. Psychol. Address: Office of Research & Demonstrations, Social & Rehabilitation Service, Dept. of Health, Education & Welfare, Washington, D.C. 20201.

LEVINE, DR. BERNARD, b. Boston, Mass, June 25, 31; m. 52; c. 4. CLINICAL PSYCHOLOGY. A.B. Harvard Col, 52; M.A. Boston, 55, Ph.D. 57. Staff clin. psychologist, Vet. Admin. Hosp, Bedford, Mass, 57-59; clin. & res. psychologist, Beth Israel Hosp, Boston, 59-65; instr. psychol., Harvard Med. Sch, 60-65; chief. psychol., New Eng. Med. Center Hosps, 65-67; asst. prof. psychol., sch. med, Tufts, 65-67; dir. peace corps selection, Ed. Develop. Center, 67-68; VIS. LECTUR. PSYCHOL., MASSACHUSETTS, BOSTON, 68- Consult, div. legal med, State Dept. Ment. Health, 57-59; Maimonides Sch, 62-; Lowell Pub. Schs, 67- Psychol. Asn. Sensory interaction; visual and auditory heteromodal effects; early childhood personality development. Address: 361 Emerson Rd, Lexington, Mass. 02173.

LEVINE, DR. CONALEE, b. Brooklyn, N.Y., Feb. 22, 30; m. 61. PSYCHOLOGY. B.A., Brooklyn Col, 51, univ. fel, 51-52; M.A., N.Y. Univ, 53, univ. & U.S. Pub. Health Serv. fcls, 58-59, Ph.D.(psychol.), 59, cert. psychother. & psychoanal, 68. Psychol. intern, Jewish Voc. Serv, 52-53; head dept. psychol., N.Y. League Hard of Hearing, 53-55; psychologist, Riverside Hosp, 55-58; asst. prof. psychol., Rutgers, 58-59; Fairleigh Dickinson, 59-64; asst. prof. GUID, N.Y. UNIV, 64-68, ASSOC. PROF., 68- Sr. Psychologist & consult, Lincoln Inst. Psychother, 59-61; private practice, 59- Psychol. Asn. Personality organization; psychological causes and treatment of drug addiction; psychoanalysis. Address: 161 W. 86th St, New York, N.Y. 10024.

LEVINE, DANIEL B(ERNARD), b. Los Angeles, Calif, Aug. 30, 25; m. 50; c. 2. ECONOMICS. B.A., George Washington, 47; M.A., Columbia, 48. Statistician surv. res, U.S. Bur. Census, 48-54; study dir, mkt. res, U.S. Dept. Agr, 54-59; chief spec. surv. br, 59-62; asst. chief, DEMOG. SURVS. DIV., U.S. BUR. CENSUS, 62-67, CHIEF, 67- U.S.N.A.F., 43-45. Statist. Asn. Sample Surveys. Publ: Co-auth, Current population survey; methods, content and sociological uses; Research on labor force concepts, J. Am. Statist. Asn, 9/65; Studies of disease among migrants and native populations in Great Britain, Norway and the U.S.; II Conduct of field work in the U.S. Nat. Cancer Inst. Monogr, 66. Address: Demographic Surveys Division, U.S. Bureau of the Census, Washington, D.C. 20233.

LEVINE, PROF. DAVID, b. New York, N.Y., July 14, 28; m. 48; c. 4. PSYCHOLOGY. B.S., Michigan, 49; Ph.D.(psychol.), N.Y. Univ, 53. Clin. psychologist, Vet. Admin, 53-56, res. clin. psychologist, 56-57; assoc. prof. PSYCHOL., NEBRASKA, 57-63, PROF., 63- CHMN. DEPT., 68- Lectr., Rutgers, 55-56; Nat. Inst. Ment. Health sr. grant, 67-68. Consult, Vet. Admin, 58- Dipl. Am. Bd. Exam. Prfnl. Psychol. AAAS; Psychol. Asn. Schizophrenia; psychotherapy; psychological testing. Publ: Klamath personalities: ten case studies; Symptoms and ego strength measures as predictors of the outcome of hospitalization in functional psychoses, J. Consult. Psychol; Rorschach genetic level and psychotic symptomatology, J. Clin. Psychol. Address: Dept. of Psychology, University of Nebraska, Lincoln, Nebr. 68508.

LEVINE, DR. DAVID D(ANIEL), b. Cincinnati, Ohio, Nov. 1, 15; m. 37; c. 2. PUBLIC ADMINISTRATION. A.B., Wisconsin, 38, A.M., 40; Ph.D.(pub. admin), American Univ, 55. Admin. technician, Fed. Works Agency, 41; admin. analyst, War Prod. Bd, 41-42, chief planning & standards sect, off. procedures, 42-45; asst. implementation officer, Surplus Property Admin, 45-46; procedure & order clearance officer, War Assets Admin, 46-48; orgn. & methods exam, Nat. Security Resources Bd, 48-50; asst. to dir. mgt, GEN. SERVS. ADMIN., 50-56, PLANNING & PROG. OFFICER, 56- Lectr., U.S. Dept. Agr. Grad. Sch, 49-55; American Univ, 57-61, prfnl. lectr., 61-66, adj. prof, 66- Polit. Sci. Asn; Soc. Pub. Admin. Public administration; organization and methods; planning-programming-budgeting systems. Publ: Case for tax exemption of public housing, J. Land & Pub. Utility Econ; Administrative control techniques of the War Production Board, Pub. Admin. Rev. Address: 2403 Colston Dr, Silver Spring, Md. 20910.

LEVINE, DR. DAVID L(AWRENCE), b. New York, N.Y., Aug. 30, 19; m. 42; c. 4. SOCIAL WELFARE, SOCIOLOGY. B.S., City Col. New York, 41; M.S.W., Pennsylvania, 43; Nat. Inst. Ment. Health stipend & Ph.D.(soc. work, sociol.), Minnesota, 53. Intake worker & student supvr, Awn. Jewish Children of Phila, Pa, 43-45; asst. to dir, Brooklyn Jewish Child Care Coun, 45-47; instr. family life ed, Minnesota, 48-53; from asst. prof. to assoc. prof. soc. work, Fla. State, 53-59; res. assoc. ment. health, Harvard Sch.

Pub. Health, 59-60; prof. soc. work, Fla. State, 60-67, chmn. grad. dept, 66-67; ASSOC. DEAN, SCH. SOC. WORK, SYRACUSE, 67- Supvr. children's serv, Jewish Family & Children's Serv. of Minneapolis, 47-51; club dir, Young Men's & Young Women's Hebrew Assn, Phila, 44-45; res. assoc, geriat. clin. med. sch, Miami (Fla), 57; Nat. Children's Cardiac Hosp, Miami, 57. Consult, Headstart, 65-66. Fel. Sociol. Asn; fel. Orthopsychiat. Asn; Nat. Asn. Soc. Workers; Geront. Soc. Conceptual framework in social work; casework method in gerontology; community mental health. Publ: Casework and counseling service for the aged, Pub. Welfare; Towards an epidemiology for social welfare; Psychosocial aspects of the health of older people as viewed by the social worker, In: Society and the health of older people. Address: School of Social Work, Syracuse University, 926 S. Crouse Ave, Syracuse, N.Y. 13210.

LEVINE, DR. DONALD NATHAN, b. New Castle, Pa, June 16, 31; m. 55; 67; c. 2. SOCIOLOGY. A.B., Chicago, 50, M.A., 54, Carnegie fel, 54-55; Ph.D. (sociol.), 57; Frankfurt, 52-53. Vis. asst. prof. SOCIOL., CHICAGO, 61-62, asst. prof, 62-65, ASSOC. PROF., 65- Ford Found. For. Area Training fel, 58-60; Cmt. Comp. Study New Nations fel, Chicago, 62-63. U.S.A.R., 51-54. Sociol. Asn; African Studies Asn. Principles of sociological theory; Georg Simmel; personality and culture; analysis of cultural systems; Ethiopian studies. Publ: Wax and gold: tradition and innovation in Ethiopian culture, Univ. Chicago, 65; The structure of Simmel's social thought, In: Georg Simmel 1858-1918, Ohio State Press, 59; Cultural integration, In: International encyclopedia of the social sciences, 68. Address: Dept. of Sociology, University of Chicago, Chicago, Ill. 60637.

LEVINE, PROF. EDWARD M(ONROE), b. New Castle, Pa, June 2, 24. POLITICAL SCIENCE. B.A., Pittsburgh, 58; M.A., Chicago, 55, Ph.D. 58. Asst. prof. POLIT. SCI., Purdue, 57-67; ASSOC. PROF., ILL. INST. TECH., 67- Social psychology. Publ: The Irish and Irish Politicians; The twist: a symptom of identity problems as social pathology, Israel Ann. Psychiat. & Related Disciplines, autumn 66; Can the poor be organized?, Renewal, 1/68. Address: Dept. of Political Science, Illinois Institute of Technology, Chicago, Ill. 60616.

LEVINE, DR. E(UGENE), b. New York, N.Y., Jan. 11, 25; m. 48; c. 3. STATISTICS. B.B.A., City Col. New York, 48; M.P.A., N.Y. Univ, 50; Ph.D., American Univ, 60. CHIEF, MANPOWER ANAL. & RESOURCES BR, DIV. NURSING, U.S. PUB. HEALTH SERV., 50- U.S.A.A.F., 43-45. Statist. Asn; Pub. Health Asn. Problems in nursing and hospital administration; psychometrics; statistical methodology as applied to nursing and hospital administration. Publ: Health manpower source book, nursing personnel; co-auth, Better patient care through nursing research, Macmillan, 65; auth, Some answers to the nurse shortage, Nursing Outlook, 66. Address: 402 Eisner St, Silver Spring, Md. 20901.

LEVINE, DR. GENE N(ORMAN), b. Medford, Mass, May 15, 30. SOCIOLOGY. A.B., Boston, 52; Sage Found. fel, Chicago, 58-59; Ph.D.(sociol.), Columbia, 59. Asst. bur. appl. soc. res, Columbia, 54-57, assoc, 59-64; res. officer adoption of innovations, UN Res. Inst. Soc. Develop, Geneva, 64-65; asst. prof. sociol., California, Los Angeles, 65-66; proj. dir. adoption of soc. change, UN Res. Inst. Soc. Develop, 66-67; ASSOC. PROF. SOCIOL., CALIFORNIA, LOS ANGELES, 67- Prin. investr, Japanese Am. Res. Proj, California, Los Angeles, 66-70. Sociol. Asn; Asn. Pub. Opinion Res. Public opinion and mass communication; sociology of the professions; political sociology; social development; ethnic groups. Publ: Workers vote: the political behavior of men in the printing trade, Bedminster, 63; co-auth, Inducing social change in developing communities, UN Res. Inst. Soc. Develop, 66 & The threat of war and American public opinion, (in prep). Address: Dept. of Sociology, University of California, Los Angeles, Calif. 90024.

LEVINE, PROF. HAROLD A(BRAHAM), b. New York, N.Y., Apr. 15, 23; m. 46; c. 2. PSYCHOLOGY. B.A., Brooklyn Col, 47; M.A., Columbia, 49, Ph.D. (clin. psychol.), 52. Psychol. trainee, Vet. Admin, 49-52; instr. med. psychol., Bellevue Med. Center, N.Y. Univ, 52-53; clin. psychologist, Vet. Admin. Hosp, Northport, 53-56; asst. clin. prof. PSYCHOL., ADELPHI, 56-64, ASSOC. CLIN. PROF., 64-; DIR. DEPT. PSYCHOL., MEADOWBROOK HOSP, 66-; chief psychologist, 56-66. Lectr., Hofstra, 67- Consult. sch. psychol., Ramaz Sch, 49-; E.Side Hebrew Inst, 51-; Hebrew Acad. Nassau County, 54-56. U.S.A., 44-46. Psychol. Asn; fel. Soc. Proj. Tech. Psychoanalysis; group and individual psychotherapy; personality. Publ: Preferences of neurotic and nonmaladjusted individuals for success and failure, Am. Psychol. Address: 42 Deepdale Pkwy, Roslyn Heights, N.Y. 11577.

LEVINE, DR. HERBERT S(AMUEL), b. New York, N.Y., 28; m. c. 3. A.B., Harvard, 50, A.M., 52, fel, 56-57, Ford Found. fel, 58-59, Ph.D.(econ), 61. Assoc. ECON, Russian Res. Center, Harvard, 56-60; asst. prof. PENNSYLVANIA, 60-62, ASSOC. PROF., 62- Vis. asst. prof, Princeton, spring 62; vis. lectr. & res. fel, Russian Res. Center, Harvard, 63-64; vis. assoc. prof, Columbia, spring 65; vis. prof, California, Berkeley, summer 66. Consult, Rand Corp, 57. Lindback Found. Distinguished Teaching Award, 65. U.S.A., 52-54. Econ. Asn; Asn. Study Soviet-Type Econ.(exec. secy, 61-67). Economic planning; Soviet economy. Publ: Co-ed, Mathematics and computers in Soviet economic planning, Yale, 67; auth, A study in economic planning: the allocation of materials in Soviet industry, Harvard, (in press); The centralized planning of supply, In: Comparisons of the United States and Soviet economies, Part I, U.S. Govt. Printing Off, 59, reprinted In: Readings on the Soviet economy. Address: Dept. of Economics, University of Pennsylvania, Philadelphia, Pa. 19104.

LEVINE, DR. JACOB, Psychol, see 10th ed, Soc. & Behav. Vols.

LEVINE, PROF. LOUIS, b. New York, N.Y., Aug. 3, 07; m. 35; c. 2. ECONOMICS. B.A., Ohio State, 29, univ. scholar & M.A., 30, Ph.D.(econ), 34. Economist, Nat. Recovery Admin, 34-36; Fed. Security Agency, 36-42; chief labor mkt. studies, U.S. War-Manpower Cmn, 42-44; reports & anal, Bur. Employ. Security, U.S. Dept. Labor, 45-55, asst. dir, 55-59, dep. dir, 59-62, dir. U.S. Employ. Serv, 62-66; PROF. ECON, INST. RES. HUMAN RESOURCES, PA. STATE, 66- Consult, Orgn. Econ. Coop. & Develop, France, 66-; man-

- power admin, U.S. Dept. Labor, 66- U.S.N. 44-45, Lt.(jg). Econ. Asn; Statist. Asn; Indust. Rels. Res. Asn. Labor economics, manpower resources and requirements; unemployment insurance; labor market, research and administration. Publ: Role of labor market analysis in manpower mobilization, Indust. & Labor Rels. Rev; Problems in labor market organization and administration, In: Manpower in the United States; Unemployment by industry and locality, In: Measurement and behavior of unemployment. Address: Institute for Research on Human Resources, Pennsylvania State University, University Park, Pa. 16802.
- LEVINE, PROF. LOUIS S(AMUEL), b. Mitchell, S.Dak, Sept. 8, 20; m. 43; c. 3. PSYCHOLOGY. B.S. N.J. State Teachers Col, Glassboro, 43; M.S. Stanford, 48, Ph.D.(clin. psychol), 50. Supvr. training, Palo Alto Vet. Admin. Hosp, 49-51; PROF. PSYCHOL, SAN FRANCISCO STATE COL, 51-, dir, dept, 51-57. Consult, Bur. Voc. Rehab, San Francisco, Calif, 51-55; San Mateo Elem. Sch. Dist, 53-55; May T. Morrison Rehab. Center, 55-; Vet. Admin, 60-; Nat. Defense Ed. Act, 60. U.S.A. 42-45. AAAS; Psychol. Asn. Personality theory; psychological aspects of physical disability; psychodiagnoses. Publ: Utility of Wechsler's patterns in the diagnosis of schizophrenia, J. Consult. Psychol; co-auth, Testing for the existence of psychometric patterns, J. Abnorm. & Soc. Psychol; Educational achievement as a variable in psychological research, Calif. J. Ed. Res. Address: Dept. of Psychology, San Francisco State College, San Francisco, Calif. 94132.
- LEVINE, DR. MARTIN S(TANLEY), b. New York, N.Y., Sept. 26, 17; m. 43; c. 1. CLINICAL PSYCHOLOGY. Ph.D.(psychol), California, 54, M.P.H., 60. Coordinator bur. ment. health, State Health Dept, Nev, 54-64, supvr, 64-65; CHIEF PSYCHOLOGIST, PORTLAND COMMUNITY CHILD GUID. CLIN. & ASSOC. PROF. PSYCHOL, UNIV. PORTLAND, 65- Consult, Nev. State Prison, 65; Multnomah County Ment. Health Clin, 66-; Dammasch State Hosp, 66-67. Mem, President's Adv. Cmt. Juvenile Delinquency, 63-65. Dipl. clin. psychol, Am. Bd. Exam. Prfnl. Psychol, 65. U.S.A.A.F, 41-46, Capt. Psychol. Asn; Pub. Health Asn; Acad. Polit. & Soc. Sci. Community mental health; program evaluation; family group therapy. Publ: Mental health services for juvenile delinquents, Nat. Insts. Health Grant Rep, 3/65; Comprehensive mental health program, Dept. Ment. Health, Nev, 4/65; co-auth, Operation independence, a community action program, Nev. Tuberc. & Health Asn, 5/66. Address: Dept. of Psychology, University of Portland, Portland, Ore. 97203.
- LEVINE, DR. MARVIN, b. Brooklyn, N.Y., Mar. 16, 28; m. 51; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A. Columbia, 50; M.A. Harvard, 52; Ph.D.(psychol), Wisconsin, 59. Asst. prof. PSYCHOL, Indiana, 59-62 & 63-65; vis. fel, Brussels, 62-63; ASSOC. PROF, STATE UNIV. N.Y. STONY BROOK, 65- Psychol. Asn. Learning; comparative psychology; statistics. Publ: Hypothesis behavior by humans, J. Exp. Psychol, 3/66. Address: Dept. of Psychology, State University of New York, Stony Brook, N.Y. 11790.
- LEVINE, DR. MARVIN J, b. Wausaukee, Wis, Sept. 13, 30; m. 64. INDUSTRIAL RELATIONS. B.A. Wisconsin, 52, J.D., 54, M.A., 59, Danforth Found. fel, 60, Ford Found. fel, 62, Ph.D.(indust. rels), 64. Instr. econ. & polit. sci, Southeast Mo. State Col, 59-60; asst. prof. econ, Ohio State, 63-67; ASSOC. PROF. BUS. ADMIN, MARYLAND, 67- U.S.A. 55-56, 1st Lt. Indust. Rels. Res. Asn; Acad. Mgt. Labor relations; labor legislation. Publ: Higher education and collective action, J. Higher Ed, 5/67; Subcontracting rights and restrictions, Personnel, 5-6/67; The economic guidelines, Labor Law J, 8/67. Address: Dept. of Business Administration, University of Maryland, College Park, Md. 20741.
- LEVINE, DR. MAURICE, Psychiat, see 11th ed, Phys. & Biol. Vols.
- LEVINE, DR. MILTON, b. New York, N.Y., Feb. 26, 21; m. 44; c. 3. PSYCHOLOGY, PUBLIC ADMINISTRATION. B.S. City Col. New York, 42; M.A. Columbia, 43; Ph.D. American Univ, 56. Asst. inst. ed. res. Columbia, 42-43; vet. counsr, City Col. New York, 46; res. psychologist, personnel res. sect, Adj. Gen. Off, U.S. Dept. Army, 46-50, staff asst, 50-52, comptroller, personnel res. & procedures div, 52-54, staff asst. coordination, personnel res. br, 54-59; DIR. NAT. REGISTER SCI. & TECH. PERSONNEL, NAT. SCI. FOUND, 59- Psychol. Asn; Polit. Sci. Asn; Soc. Pub. Admin; Soc. Personnel Admin. Scientific and technical manpower; research administration; industrial and personnel psychology. Publ: American science manpower; Earnings and characteristics of scientists. Address: 9506 Lawnsberry Terr, Silver Spring, Md. 20901.
- LEVINE, PROF. MURRAY, b. Brooklyn, N.Y., Feb. 24, 28; m. 52; c. 2. CLINICAL PSYCHOLOGY. B.S. City Col. New York, 49-; M.A. Pennsylvania, 51, Ph.D.(psychol), 54. Clin. psychologist trainee, Vet. Admin, 49-54; clin. psychologist, Vet. Admin. Regional Off, Phila, 54-56; res. psychologist, Devereux Schs, Pa, 56-63; asst. prof. PSYCHOL, Yale, 63-64, assoc. prof, 64-68; PROF. STATE UNIV. N.Y. BUFFALO, 68- Res. asst. prof, Hahnemann Med. Col, 60-63. Dipl. Am. Bd. Exam. Prfnl. Psychol, 59. AAAS; Psychol. Asn. Personality theory; community psychology; history clinical practices; school psychology. Publ: Co-auth, Rorschach index repressive style, C.C. Thomas, 64; Psychology in community settings, Wiley, 66. Address: Dept. of Psychology, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- LEVINE, DR. MURRAY D(AVID), b. Philadelphia, Pa, June 6, 34; m. 63; c. 3. EXPERIMENTAL & PHYSIOLOGICAL PSYCHOLOGY. B.S. Pa. State, 56, M.S., 59, Ph.D.(psychol), 63. Res. assoc. psychol, Pa. State, 61-62; dep. chief supporting res. lab, HUMAN ENG. LAB, 63-65, acting chief, 65-66, DIR. STRESS RES. BEHAV. RES. LAB, 66- Consult, div. neuropsychiat, Walter Reed Army Inst. Res, 66-68. Med.Serv.C, U.S.A. 63-66, Capt. Psychol. Asn. Physiological psychology, especially in the area of physiological correlates of emotions, psychosomatic processes. Publ: Co-auth, Pitch discrimination at high frequencies by air and bone conduction, Am. J. Psychol, 78: 557-566; Adaptation to chronic shock avoidance, Second Int. Cong. Primatol, 68; Emotional response of rhesus monkeys to chronic psychological stress, Proc. U.S. Army Sci. Conf, 68. Address: Behavioral Research Lab, Human Engineering Lab, Aberdeen Proving Ground, Md. 21005.
- LEVINE, DR. RICHARD S, b. New York, N.Y., June 27, 25; m. 57; c. 2. PSYCHOLOGY, EDUCATIONAL MEASUREMENT. B.S. City Col. New York, 49; M.A. Fordham, 51; Ph.D. Syracuse, 55. Statist. assoc. ED. TESTING SERV, 52-56, asst. dir. dept. statist. anal, 56-60, dir. design & anal. col. bd. prog, 60-63, dir. west. off, 63-68, V.PRES, 68- U.S.A. 43-46. Statist. Asn; Psychomet. Soc; Nat. Coun. Measurement in Ed. Statistical and experimental design problems in the field of educational measurement. Address: Educational Testing Service, Princeton, N.J. 08540.
- LEVINE, PROF. ROBERT A(LAN), b. New York, N.Y., Mar. 27, 32; m. 53. SOCIAL ANTHROPOLOGY. B.A. Chicago, 51, M.A. 53; Ford Found. fel, Africa, 55-57; Nat. Sci. Found. fel, Harvard, 57-58, Ph.D.(soc. anthrop), 58. Assoc. E. African Inst. Soc. Res, Uganda, 55-57; instr. anthrop. & polit. sci, Northwestern, 58-59, asst. prof, 59-60; ANTHROP. CHICAGO, 60-63, assoc. prof, 63-67, PROF, 67- Fel. Found. Fund Res. Psychiat, 62-65; Nat. Inst. Ment. Health res. career develop. award, 62-, mem. ment. health small grant cmt, Nat. Inst. Ment. Health, 66- Fel. Anthropol. Asn; fel. African Studies Asn; Ethnol. Soc. Cross-cultural study of socialization; personality development; psychoanalytic anthropology. Publ: co-auth, Nyansongo: a gusii community in Kenya, Wiley, 66; auth, Dreams and deeds: achievement motivation in Nigeria, Univ. Chicago, 66. Address: Dept. of Anthropology, Judd Hall, University of Chicago, Chicago, Ill. 60637.
- LEVINE, DR. ROBERT ARTHUR, b. Brooklyn, N.Y., July 7, 30; m. 53; c. 3. ECONOMICS. A.B. Harvard, 50, M.A. 52; Ph.D.(econ), Yale, 57. Economist, Conf. Econ. Progress, 56; Rand Corp, 57-65; chief res. plans div, OFF. ECON. OPPORTUNITY, 65-66, ASST. DIR. RES. PLANS, PROGS. & EVAL, 66- Res. assoc, center int. affairs, Harvard, 61-62; sr. fel, Nat. Security Studies Prog, California, Los Angeles, 64-65. U.S.N. 51-54. Econ. Asn; Economet. Soc; Inst. Strategic Studies. Fiscal and military policy; arms control; economics of poverty. Publ: The arms debate, Harvard, 63; Rethinking our social strategies, Pub. Interest, winter 68. Address: Office of Economic Opportunity, 1200 19th St. N.W., Washington, D.C. 20506.
- LEVINE, PROF. SEYMOUR, Psychol, see 11th ed, Phys. & Biol. Vols.
- LEVINE, DR. SOL, b. Greenwood, Miss, Apr. 3, 22; m. 63; c. 2. SOCIOLOGY, PSYCHOLOGY. B.A. Queens Col.(N.Y.), 42; Princeton, 44; M.A. N.Y. Univ, 48, Ph.D.(sociol. psychol), 53. Chmn. dept. soc. sci, Ann-Reno Inst, Adelphi Col, 47-50; instr. sociol, Univ. Heights Col, N.Y. Univ, 51-53; lectr, grad. sch. sociol, Brooklyn Col, 53-54; instr, sch. ed, N.Y. Univ, 56; assoc. soc. psychol, sch. pub. health, Harvard, 56-57, asst. prof, 57-61, assoc. prof, 61, dir. soc. sci, 63-66; dir. div. behav. sci, SCH. HYG. & PUB. HEALTH, HOPKINS, 66-67, CHMN. DEPT. BEHAV. SCI, 67- Res. consult, Nat. Opinion Res. Center study, 57; Health Info. Found study, 57-59; Rockefeller Found. study, 60; mem. res. expert cmt, Vis. Nurse Asn. of Hartford study, 59- Mem. res. study sect, Nat. Insts. Health Serv. U.S.A. 64-68. Soc. Study Social Probs; Psychol. Asn; Pub. Health Asn; Sociol. Asn. Medical sociology; sociology of organizations; social problems; sociology of professions. Publ: Co-auth, Non-group enrollment for health insurance; a study of administrative approaches of Blue Cross plans, Harvard, 57; co-ed, Handbook of medical sociology, Prentice-Hall, 63; co-auth, Exchange as a conceptual framework for the study of interorganizational relationships, Admin. Sci. Quart, 3/61. Address: Dept. of Behavioral Sciences, Johns Hopkins University School of Hygiene & Public Health, 615 N. Wolfe St, Baltimore, Md. 21205.
- LEVINE, DR. SOLOMON, b. Brooklyn, N.Y., June 7, 13; m. 41; c. 2. CLINICAL PSYCHOLOGY. B.A. Brooklyn Col, 33; M.S. City Col. New York, 35; Ph.D. N.Y. Univ, 51. Personnel officer, Off. Price Admin, D.C. 42-43; med. admin. officer, Vet. Admin. Branch Off, N.Y. 46-49; PSYCHOTHERAPIST, 50- Adj. prof, Yeshiva, 58-61. Dir. psychol, Jewish Chronic Disease Hosp, Brooklyn, 54-; chief psychologist, Vet. Admin. Hosp, 49-58; exec. dir, Nassau-Suffolk Consult. Serv, 57-; supvr. psychother, Ins. Res. Hypnother, 65- Consult, Dept. Health, Ed. & Welfare, 62- Dipl. Am. Bd. Exam. Prfnl. Psychol, 56; dipl, Am. Bd. Exam. Psychol. Hypnosis, 62. U.S.A.A.F, 43-45. Fel. Psychol. Asn; Acad. Psychother. Personality and occupations; chemotherapy; rehabilitation. Publ: Personality and hospital occupations; Comparative study of the effect on anxiety of chlorpromazine, reserpine, phenobarbital and a placebo, J. Nervous & Ment. Disease; Psychological problems of handicapped children, Pediat. Quart. Address: 874 Cherry Lane, North Woodmere, N.Y. 11581.
- LEVINE, PROF. SOLOMON B(ERNARD), b. Boston, Mass, Aug. 10, 20; m. 43; c. 4. ECONOMICS. A.B. Harvard, 42, Sheldon traveling fel, 42, M.B.A., 47, Soc. Sci. Res. Coun. fel, 48-49; Ph.D.(indust. econ), Mass. Inst. Tech, 51. Asst. INDUST. RELS, ILLINOIS, URBANA, 49-50, res. assoc, 50-51, asst. prof, 51-55, assoc. prof, 55-59, PROF, 59-, DIR. CENTER ASIAN STUDIES, 63- Fulbright & Ford Found. res. scholar, Japan, 53-54; Fulbright lectr, Japan, 59; Fulbright-Hays faculty fel, E.Asia, 68. Econ. Asn; Asn. Asian Studies. Industrial relations; labor in economic development. Publ: Industrial relations in postwar Japan; Our future industrial society: a global vision, Indust. & Labor Rels. Rev; co-auth, Industrial relations for the next generation, Quart. Rev. Econ. & Bus. Address: 1203 W. Church, Champaign, Ill. 61820.
- LEVINE, PROF. VICTOR T(HEODORE), b. Berlin, Germany, Dec. 6, 28; nat; m. 58. POLITICAL SCIENCE. A.B. California (Los Angeles), 53, M.A. 58, Haines Found. fel, 59-60, Ford Found. fel, 60-61, Ph.D. 61. Asst. POLIT. SCI, California (Los Angeles), 57-59, res. assoc, African Studies Center, univ, 60-61; asst. prof, WASHINGTON (ST. LOUIS), 61-65, ASSOC. PROF. & CHMN. CMT. AFRICAN STUDIES, 65- U.S.A. 51-54. Polit. Sci. Asn; African Studies Asn. Political modernization; problems of political development in sub-Saharan Africa; political tutelage, especially the United Nations trusteeship system. Publ: The Cameroon from Mandate to Independence, Univ. California, 64; Political leadership in Africa, Stanford Univ, 67. Address: Dept. of Political Science, Washington University, St. Louis, Mo. 63130.
- LEVINGER, DR. GEORGE, b. Berlin, Germany, Feb. 5, 27; nat; m. 52; c. 4. SOCIAL PSYCHOLOGY. A.B. Columbia, 46; M.A. Columbia, 51; fel, Michigan, 53, Ph.D.(soc. psychol), 55. Asst. res. center group dynamics, Michi-

gan, 51-54, res. assoc, 54-55, psychol, 55-57; asst. prof. soc. work & soc. res, Bryn Mawr Col, 57-60; ASSOC. PROF. SOC. WORK & PSYCHOL, Western Reserve, 60-65; PSYCHOL. MASSACHUSETTS, AMHERST, 65- U.S.A., 45-47, Sgt. AAAS; Psychol. Asn; Sociol. Asn. Group behavior; interpersonal attraction; marriage. Publ: Development of newly formed power relationships, In: Studies in social power; Marital cohesiveness and dissolution, J. Marriage & Family; Task and social behavior in marriage, Sociometry. Address: Dept. of Psychology, University of Massachusetts, Amherst, Mass. 01002.

LEVINGER, DR. LEAH, b. Chicago, Ill, July 25, 18. CLINICAL & DEVELOPMENTAL PSYCHOLOGY. B.A. Sarah Lawrence Col, 39; Columbia, 39-41; New Sch. Soc. Res, 46-48; Ph.D.(clin. psychol), N.Y. Univ, 66. Intern psychol, Worcester State Hosp, 41-42; res. psychologist, Samuel S. Fels Res. Inst, 42-45; from psychologist to chief psychologist, Jewish Bd. Guardians, 47-56; COORDINATOR GUID. & SR. PSYCHOLOGIST, ETHICAL CULTURE SCHS. OF N.Y., 56- Lectr, Bank St. Col, 46-61 & 67; supvr. diag. practicum, N.Y. Univ, 58-67. Consult. diag. practicum, Yeshiva, 66- Psychol. Asn; fel. Orthopsychiat. Asn; Soc. Proj. Tech. Projective testing with children and adolescents; training clinicians; interrelation of personality patterns and learning patterns; development of aesthetic and moral values. Publ: Dramatic play, an intellectual and creative process, Imagination in Ed; Interpretation of psychological test findings to parents by a child guidance clinic, In: New frontiers in child guidance; Uses of guidance in a high school, In: Teaching and learning. Address: Apt. 5B, 336 Central Park West, New York, N.Y. 10025.

LEVINSON, PROF. BILLEY (MRS. ABEL FINK), b. Brooklyn, N.Y., June 5, 26; m. 59. PHYSIOLOGICAL & COMPARATIVE PSYCHOLOGY. B.S. Florida, 49, M.A., 51; N.Y. Univ; Ph.D.(primate psychol), Wisconsin, 58. Asst. psychol, Yerkes Labs, 51; electroencephalogr. & res. assoc, primate lab, Brooklyn Hosp. Chronic Diseases, 52-54; asst, primate lab, Wisconsin, 55-58; ASST. PROF. PSYCHOL, STATE UNIV. N.Y. BUFFALO, 58- Lectr, State Univ. N.Y. Col, 66-67; psychologist, Rehab. Center Childrens Hosp, 67- Psychol. Asn; Brit. Asn. Study Animal Behav. Psychopharmacology; radiation; perception; discrimination and oddity learning; gerontology; Publ: Co-auth, Reinforcement and hypothesis in the discrimination behavior of chimpanzees, J. Exp. Psychol, 53; auth, Effects of neonatal irradiation on learning in rats, In: Response of the nervous system to ionizing radiation, Academic, 62; co-auth, Patterns of discrimination learning set in preschool children, fifth-graders, college freshmen and the aged, Monogr. Soc. Res. Child Develop, 67. Address: 606 Parkside, Buffalo, N.Y. 14216.

LEVINSON, PROF. BORIS M, b. Lithuania, July 1, 07; nat; m. 34; c. 2. CLINICAL PSYCHOLOGY. B.S. City Col. New York, 37, M.S. 38; Ph.D.(clin. psychol), N.Y. Univ, 47. Clin. psychologist, Vet. Rehab. & Ment. Hyg. Clins, Jewish Hosp. Brooklyn, 44-48; asst. prof. PSYCHOL, sch. ed. & community admin, YESHIVA, 51-53, assoc. prof, 54-56, PROF, FERKAUF GRAD. SCH. HUMANITIES & SOC. SCI, 58-, supv. clin. psychologist, psychol. clin, 51-53, chief psychologist, 53-56, dir. psychol. center, 56-63. From psychologist to chief psychologist, adult guid. serv, bd. ed, New York, 37-40; lectr, City Col. New York, 47-53; Hunter Col, 49-60; chief psychologist, Jewish Mem. Hosp, 57-59. Consult, 38- Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn; fel. Soc. Proj. Tech; Inter-Am. Soc. Psychol; N.Y. Acad. Sci. Psychodiagnosis; interpersonal directed psychotherapy; Jewish subcultural personality patterns; psychopathology of homelessness; culture and personality; intelligence tests; projective techniques. Publ: Traditional Jewish cultural values and performance on the Wechsler tests, J. Ed. Psychol, 59; Pets: a special technique in child psychotherapy, Ment. Hyg, 64; Subcultural studies of Homelen Men, Trans. N.Y. Acad. Sci, 12/66. Address: 39-25 47th St, Long Island City, N.Y. 11104.

LEVINSON, PROF. DANIEL J (ACOB), b. New York, N.Y., May 28, 20; m. 43; c. 2. PSYCHOLOGY. B.A. California, Los Angeles, 40; M.A. California, 42, Ph.D.(psychol), 47. Asst. prof. psychol, Western Reserve, 47-50; dept. soc. rel, Harvard, 50-55; res. assoc. soc. sci. & psychiat, Harvard Med. Sch, 55-60, asst. prof. PSYCHOL, 60-66; PROF, SCH. MED, YALE, 66- Vis. lectr, Brandeis, 55-56; Colorado, 65; Nat. Inst. Ment. Health career develop. award, 65- Res. consult, Boston Psychopath. Hosp, 50-55. Fel. Psychol. Asn; Sociol. Asn. Personality, role and social structure; adult psychosocial development; organizational analysis; mental health programs and professions. Publ: Co-auth, The authoritarian personality, Harper, 50, Patienthood in the mental hospital, Houghton, 64 & The executive role constellation, Div. Res, Harvard Bus. Sch, 65. Address: Dept. of Psychiatry, Yale University, 34 Park St, New Haven, Conn. 06519.

LEVINSON, PROF. DAVID, b. Scranton, Pa, Dec. 9, 19. INDUSTRIAL RELATIONS. A.B. Scranton, 42; scholar, Syracuse, 43, A.M., 43; fel, Wisconsin, 44, Ph.D., 49. Asst. prof. ECON, OHIO, 49-53, assoc. prof, 53-57, PROF, 57-, chmn. dept, 61-66. Fulbright res. grantee, Victoria, N.Z., 67-68. Econ. Asn; Indust. Rels. Res. Asn. Labor relations; labor law; occupational redundancy in New Zealand waterfront. Address: Dept. of Economics, Ohio University, Athens, Ohio 45701.

LEVINSON, PROF. HAROLD M, b. Mass, Jan. 9, 19; m. 45; c. 3. ECONOMICS. A.B. Michigan, 41, M.B.A., 42, fel, 42-43, 45-46, Ph.D., 50. Instr. ECON, MICHIGAN, 46-50, asst. prof, 50-55, assoc. prof, 55-60, PROF, 60- Price analyst, U.S. Govt, 43-44; Ford Found. faculty res. fel, 56-57. Consult, Coun. Econ. Adv, 64-66. Econ. Asn; Indust. Rels. Res. Asn. Labor economics; comparative labor movements. Publ: Unionism, wage trends and income distribution, 1914-1947, Burr. Bus. Res, Univ. Michigan, 51; Postwar movement of prices and wages in manufacturing industries, U.S. Govt. Printing Off, 60; Determining forces in collective wage bargaining, Wiley, 66. Address: Dept. of Economics, University of Michigan, Ann Arbor, Mich. 48104.

LEVINSON, DR. HARRY, b. Port Jervis, N.Y., Jan. 16, 22; m. 46; c. 3. PSYCHOLOGY. B.S. Kans. State Teachers Col, Emporia, 43, M.S., 47; Ph.D. (psychol), Kansas, 52. Psychol. intern, Winter Vet. Admin. Hosp, 46-50; asst. instr. psychol, Kansas, 50; coordinator prfnl. ed, Topeka State Hosp, 50-54; psychologist, dept. soc. applications, Menninger Found, 54-55, dir.

div. indust. ment. health, 55-68; THOMAS HENRY CARROLL FORD FOUND. VIS. PROF. BUS. ADMIN. GRAD. SCH. BUS. HARVARD, 68- Lectr, For. Serv. Inst, U.S. Dept. State; vis. prof, sch. bus, Kansas, 67. Consult, cmt. psychiat. In indust, Group Adv. Psychiat, 54-; Nat. Asn. Ment. Health. Chmn. Kans. adv. cmt, U.S. Civil Rights Cmn. U.S.A., 43-46. AAAS; Psychol. Asn; Sociol. Asn; Soc. Appl. Anthropol. Acad. Polit. & Soc. Sci; Indust. Rels. Res. Asn. Organizational psychology; leadership. Publ: Men, management and mental health, 62 & The exceptional executive, 68, Harvard; Emotional health: in the world of work, Harper, 64. Address: Harvard University Graduate School of Business, Boston, Mass. 02163.

LEVINSON, PROF. MARSHALL M, b. New York, N.Y., May 8, 27; m; c. 2. ECONOMICS. B.S.S. City Col. New York, 49; fel. & M.A., Columbia, 50; fel, Princeton, 54-56, M.A., 56, Ford Found. fel, 61, Ph.D.(econ), 68. Instr. econ. theory, Pa. State, 50-53, asst. prof, 52-53; lectr, Rutgers, 54-56; asst. prof. ECON, Massachusetts, 56-58; Rensselaer Polytech, 58-62; Wayne State, 62-66; ASSOC. PROF. & CHMN. DEPT. DUQUESNE, 66- Consult, Holt, Rinehart & Winston, Inc, 56-; Allyn & Bacon, 56-; Raytheon Co, Mass, 62; Chandler Pub. Co, Calif, 66- U.S.N.R., 45-46. Econ. Asn; Economet. Soc. Economic theory; mathematical economics; economic growth in developed and underdeveloped economies; relationship between patents and technological change; analysis of the measurement of technological change. Publ: Some financial aspects of social security, City Col. New York Bus. Rev; Relationship between patents and technological change. Address: Dept. of Economics, Duquesne University, Pittsburgh, Pa. 15219.

LEVINSON, DR. ROBERT B (ERNARD), b. New York, N.Y., Aug. 8, 28; m. 54; c. 3. CLINICAL PSYCHOLOGY. B.S.S. City Col. New York, 51; M.S., 53, Ph.D. Mich. State, 57. Clerk, Bellevue Hosp, New York, N.Y., 51-53; intern, N.J. Psychol. Training Prog, 53-54; trainee, Vet. Admin. Training Prog, Mich, 54-57; sr. psychologist, N.J. State Home for Boys, 57-59, asst. dir, Bodman Youth Clin, 58-59; chief psychologist, Northeast Ment. Health Clin, Wash, D.C., 59-61; proj. dir, Nat. Training Sch, D.C., 61-64, chief psychologist, 64-65; CHIEF PSYCHOL. SERV, FED. BUR. PRISONS, WASH, D.C., 65- Psychol. Asn. Correctional psychology; correctional research; psychotherapy; diagnostic test; developing programs for training non-professional counselors. Publ: Co-auth, Treating delinquents; comparison of four methods of matching, J. Consult. Psychol, 10/66; auth, Aversive group therapy, J. Crime & Delinquency, (in press). Address: 13010 Matey Rd, Silver Spring, Md. 20906.

LEVIS, DR. DONALD J, b. Cleveland, Ohio, Sept. 19, 36; m. 65. PSYCHOLOGY. B.S.S. John Carroll, 58; M.A. Kent State, 60; Ph.D.(exp. psychol), Emory, 64. Lectr. psychol, Emory, 63-64; U.S. Pub. Health Serv. fel. clin. psychol, Lafayette Clin, Mich, 64-65, res. psychologist, 65-66; ASST. PROF. PSYCHOL, IOWA, 66- Med.Serv.C, U.S.A.R., Capt. AAAS; Psychol. Asn; Asn. Adv. Behav. Ther. Relating learning theory to psychotherapy, impulsive therapy; learning, avoidance conditioning, punishment and generalization; personality; experimental psychopathology. Address: Dept. of Psychology, University of Iowa, Iowa City, Iowa 52240.

LEVISON, DR. CATHRYN A (DAMSKY), b. Auburn, Mass, Dec. 18, 33; m. 55; c. 2. PSYCHOLOGY. B.A. Clark, 55; Ph.D. Rochester, 50. U.S. Pub. Health Serv. res. fel, Yale, 59-61; RES. ASSOC. PSYCHOL, INST. BEHAV. RES, 65- Psychol. Asn; Soc. Res. Child Develop. Child development; infant behavior. Address: Institute for Behavioral Research, 2426 Linden Lane, Silver Spring, Md. 20910.

LEVIT, DR. HERBERT (RVING), b. Philadelphia, Pa, June 4, 27; m. 54; c. 2. CLINICAL PSYCHOLOGY. A.B. Temple, 49, Ed.M., 50, Ed.D.(psychol), 55. Psychologist, Grafton State Sch, 50-51; intern, Embreeville State Hosp, 52, staff psychologist, 52-54; sr. psychologist, Dixmont State Hosp, 54-56, DIR. PSYCHOL. SERV, 56-66; WOODVILLE STATE HOSP, 66-; FIELD SUPVR. CLIN. PSYCHOL, DUQUESNE, 59- Private practice, 56-; consult, Pa. Off. Ment. Health, 65-; Indiana Univ. Pa, 67. U.S.N.R., 45-46. Psychol. Asn; fel. Soc. Proj. Tech; fel. Asn. Ment. Deficiency; Soc. Clin. & Exp. Hypnosis; Orthopsychiat. Asn. Individual and group psychotherapy; diagnostic personality evaluation. Address: Woodville State Hospital, Carnegie, Pa. 15106.

LEVITA, DR. ERIC, b. Bad Kreuznach, Germany, Oct. 20, 29; nat. CLINICAL PSYCHOLOGY. Litt.B, Paris, 48; B.S. Columbia, 55, M.A., 58, Ph.D., 59. Intern clin. psychol, Inst. Crippled & Disabled, New York, 57-58; sr. psychologist, ST. BARNABAS HOSP, 60-63, CONSULT. PSYCHOLOGIST, DEPTS. PSYCHOL. & NEUROSURG, 63- Fel, dept. neurol, Albert Einstein Col. Med, 60-61; res. fel, Voc. Rehab. Admin, U.S. Dept. Health, Ed. & Welfare, 62-63. AAAS; Psychol. Asn. Issues in clinical research and therapy; cognitive and personality functions; brain behavior correlates. Publ: Co-auth, Subcortical correlates of human behavior, Williams & Wilkins, 68, A psychological comparison of unilateral and bilateral thalamic surgery, J. Abnormal Psychol, 67 & Patterns of psychological function after thalamic surgery, Perceptual & Motor Skills, 67. Address: 686 W. 204th St, New York, N.Y. 10034.

LEVITAN, DR. DAVID M, b. Lithuania, Dec. 25, 15; nat; m. 48; c. 2. POLITICAL SCIENCE. B.S. Northwestern, 36, M.A., 37; Ph.D.(polit. sci), Chicago, 40; Soc. Sci. Res. Coun. grant, Columbia, 46-48, LL.B., 48. Instr. polit. sci, Chicago, 39-41; consult, UN, 46-47; adj. prof. govt, Columbia, 47-62; Long Island, 66-67; VIS. PROF, JOHN JAY COL, CITY UNIV. N.Y., 67- AT-TORNEY, 48- Harris Found. grant, 36-37. Consult, Am. Broadcasting Co, 47-53. Polit. Sci. Asn; Bar Asn. Constitutional law; American constitutional development; public administration. Publ: Responsibility of administrative officials in a democratic society, Polit. Sci. Quart; Executive agreements: a study of the executive in the control of the foreign relations of the United States, Law Rev; Foreign relations power: an analysis of Mr. Justice Sutherland's theory, Yale Law J. Address: 250 Scudders Lane, Roslyn Harbor, N.Y. 11576.

LEVITAN, DR. SAR A, b. Lithuania, Sept. 14, 14; nat. ECONOMICS. B.S.S. City Col. New York, 37; M.A., Columbia, 39, Ph.D., 49. Assoc. prof. econ. & chmn. dept, Sampson Col, 46-49; assoc. prof, Champlain Col, State Univ. N.Y., 49-51; pub. mem. rev. & appeals cmt, Wage Stabilization Bd, 51-53;

- specialist bus. econ. legis. reference serv. Library Cong. 54-61; dep. exec. dir. Presidential R.R. Cmn. 61-62; res. prof. labor econ. George Washington, 62-63; sr. staff economist, W.E. Upjohn Inst. Employ. Res. 63-67; RES. PROF. ECON. GEORGE WASHINGTON, 67-, CO-DIR. CENTER MANPOWER POLICY STUDIES, 68-, dir. Ford Found. Econ. Opportunity Proj. 63-68. Lectr. Hopkins, 55-62; econ. consult. & arbitrator, 62- Ed. Wash. notes, Poverty & Human Resources Abstract, Inst. Labor & Indust. Rels. Michigan & Wayne State, 66- Mem. Manpower Policy Task Force, 67- U.S.A. 42-46, Lt. Col. Indust. Rels. Res. Asn. (ed. res. series, 67-68); Econ. Asn.; Asn. Evolutionary Econ. Labor economics; anti-poverty programs; manpower policies. Publ: Federal aid to depressed areas, Johns Hopkins, 64; Programs in aid of the poor, W.E. Upjohn Inst. Employ. Res. 11/65; Anti-poverty work and training efforts: goals and reality, Inst. Labor & Indust. Rels. Univ. Michigan, 8/67. Address: 1280 21st St. N.W. Washington, D.C. 20036.
- LEVITAN, DR. SEYMOUR, b. Free City of Danzig, Jan. 12, 30; nat; m. 53; c. 3. PSYCHOLOGY. A.B. California, 54; Washington (Seattle), 54-55; Ph.D. (psychol.), Southern California, 64. Asst. PSYCHOL. Southern California, 56-61; instr. CALIF. STATE COL. LOS ANGELES, 61-63, asst. prof. 63-66, ASSOC. PROF. 66-, chmn. dept. 65-67. Trainee, Vet. Admin. Hosp. Los Angeles, 56-60; U.S. Pub. Health Serv. trainee, Reiss-Davis Child Guid. Clin. 58-59; clin. psychologist, Pac. State Hosp. Spadra, 60- Calif. State Dept. Ment. Hyg. res. grant, 61-62; vis. assoc. prof. clin. psychol. & acting prog. dir., Southern California, 67-68. Consult. Rehab. Training Center Ment. Retardation, Region IX, 66- AAAS; Psychol. Asn. Clinical inference; personality change in psychotherapy and behavior modification; the clinician as a factor in the therapeutic process; philosophy of science; group and family therapy; measures and correlates of self-concept. Publ: Co-auth. An actuarial and a clinical analysis of MMPI profiles, Psychol. Newsletter & Variables determining the ability to estimate one's score on objective tests, J. Psychol. Studies; auth. Conflict and generalized conflict in verbal and motor responses, Calif. Ment. Health Res. Digest, autumn 64. Address: Dept. of Psychology, California State College at Los Angeles, 5151 State College Dr, Los Angeles, Calif. 90032.
- LEVITT, PROF. EUGENE ELMER, b. Brooklyn, N.Y., Nov. 5, 21; m. 50; c. 5. CLINICAL PSYCHOLOGY. B.A. Brooklyn Col. 48; M.A. Columbia, 50, Ph.D. (psychol.), 52. Private practice, 51-52; res. asst. prof. psychol. child welfare res. sta. Iowa, 52-55; res. dir. Ill. Inst. Juvenile Res. 55-57; assoc. prof. CLIN. PSYCHOL. SCH. MED. INDIANA, 57-62, PROF. 62-, CHIEF SECT. PSYCHOL. MED. CENTER, 57- Coordinator psychol. Marion County Gen. Hosp. 57; consult. inst. psychiat. res. med. center, Indiana, 58- Cert. in exp. hypnosis, Am. Bd. Exam. Psychol. Hypnosis, 62; cert. in clin. psychol. Am. Bd. Exam. Prfnl. Psychol. 63. U.S.A. 41-46, 1st Lt. Fel. Psychol. Asn; fel. Soc. Res. Child Develop; fel. Int. Soc. Clin. & Exp. Hypnosis. Evaluation of psychotherapy; personality testing and dynamics; uses of hypnosis. Publ: Co-auth. Rorschach's test: basic processes, Grune, 61; auth. Clinical research design and analysis, C.C. Thomas, 61; The psychology of anxiety, Bobbs, 67. Address: Dept. of Psychiatry, Indiana University School of Medicine, Indianapolis, Ind. 46202.
- LEVITT, DR. HERBERT S(DNEY), b. New York, N.Y., Aug. 16, 29; m. 56; c. 2. CLINICAL PSYCHOLOGY. B.B.A. City Col. New York, 55; M.S. Massachusetts, 56, Ph.D. 59. Instr. gen. psychol. Massachusetts, 56-58; intern clin. psychol. Lafayette Clin. Detroit, Mich. 58-59; fel. Wisconsin, Madison, 59-60, instr. psychiatrist, 60-63, asst. prof. psychol. med. sch. 63-66; assoc. prof. fiscal officer & training dir. clin. psychol. training grant, Southern Illinois, 66-67; ASSOC. PROF. PSYCHOL. & ASSOC. DIR. COUNSELING CENTER, CLAREMONT COLS, 67- Consult. Vet. Admin. Hosp. Madison, 60- Dipl. Am. Bd. Exam. Prfnl. Psychol. 66. U.S.A. 50-52. Behavioral correlates of motivation, psychotherapy and personality evaluation. Publ: Sound drive and paired associates learning, J. Gen. Psychol. 65; Performance deficit and auditory inefficiencies in schizophrenia, J. Nervous Ment. Disorders, 65; co-auth. A study of 3 stereotyped behaviors in institutionalized mental defectives, Am. J. Ment. Deficiency, 65. Address: Counseling Center, Claremont Colleges, Claremont, Calif. 91711.
- LEVITT, DR. MORRIS J, b. New York, N.Y., June 11, 38. B.A. Pace Col. 60; M.A. North Carolina, 62; Ph.D. Maryland, 65. Lectr. POLIT. SCI. Maryland, 63-65; ASST. PROF. HOWARD, 65- Polit. Sci. Asn. Voting behavior in America, especially focused on females, Negroes, and pre-voting age students. Publ: Notes on student rebellion against parental political beliefs, 3/65 & Negro student rebellion against parental political beliefs, 3/67, Soc. Forces; The political role of American women, J. Human Rels. spring 67. Address: Dept. of Government, Howard University College of Liberal Arts, Washington, D.C. 20001.
- LEVITT, DR. MORTON, Psychol. see 11th ed. Phys. & Biol. Vols.
- LEVITT, PROF. THEODORE, b. Germany, Mar. 1, 25; U.S. citizen; m. 48; c. 5. MARKETING, MANAGEMENT. A.B. Antioch Col. 49; Ph.D. (econ), Ohio State, 51; hon. M.A. Harvard, 64. Instr. econ. Ohio State, 50-51; asst. prof. North Dakota, 52-55; econ. consult. Chicago, Ill. 55-59; lectr. BUS. ADMIN. HARVARD, 59-64, PROF. 64- Ord. Dept. U.S.A. 43-45, S/Sgt. Econ. Asn; Mkt. Asn. Economic theory; business cycles; consumer behavior; marketing management; corporate planning. Publ: Auth. Innovation in marketing, 62 & co-auth. Marketing, 64, McGraw; auth. Industrial purchasing behavior, Harvard, 65. Address: Business School, Harvard University, Boston, Mass. 02163.
- LEVONIAN, EDWARD, b. Philadelphia, Pa. Dec. 15, 22; m. 57; c. 2. PSYCHOLOGY. B.S. Calif. Inst. Tech. 49; M.A. Southern California, 54; Haynes Found. fel. & Ph.D. (psychol), California, Los Angeles, 59. Asst. res. psychologist, DEPT. ENG. CALIFORNIA, LOS ANGELES, 59-61, ASSOC. RES. PSYCHOLOGIST, 61- U.S.A. 42-45. AAAS; Psychol. Asn; Ed. Res. Asn; Soc. Psychophysiol. Res. Social and educational psychology. Address: Dept. of Engineering, University of California, Los Angeles, Calif. 90024.
- LEVY, DR. ALBERT G(UNTER) D(AVID), b. Berlin, Germany, June 6, 20; U.S. citizen; m. 48; c. 3. POLITICAL SCIENCE, ECONOMICS. A.B. Davis & Elkins Col. 38; West Virginia, 38-39; scholar, Chicago, 42-43, fel. 43-44, Ph.D. (int. rels), 44. Economist, U.S. Tariff Cmn. 44-46; asst. prosecutor, Off. U.S. Chief of Counsel for War Crimes, Nuremberg, Germany, 46-47; asst. prof. hist. & polit. sci. Hiram Col. 48-51; sr. off. U.S. Govt. 51-57; v.pres. Markets Res. Serv. Inc. Pa. 57-58; mgr. prog. res. info. systs. comput. & defense systs. depts. Gen. Elec. Co. 58-60; res. prog. mgr. Wash. Off. Stanford Res. Inst. 60-64; mem. tech. staff, weapons systs. eval. div. Inst. Defense Anal. 64-67; ASST. DIR. FRANKLIN INST. RES. LABS. WASH. D.C. 67- Lectr. exec. seminar, U.S. Civil Serv. Cmn. 65. Consult. off. emergency planning, Exec. Off. President, 61-66; dir. defense res. & eng. U.S. Dept. Defense, 66-; Off. Secy. Transportation, 67- AAAS; Polit. Sci. Asn; Am. Soc. Int. Law; Soc. Pub. Admin; Am. Geog. Soc. International relations; public administration; operations research. Publ: The law and procedure of war crime trials, Am. Polit. Sci. Rev. 43; Criminal responsibility of individuals and international law, Univ. Chicago Law Rev. 45; Acquisition of nationality in the emergency refugee shelter, Am. J. Int. Law, 45. Address: 9702 Forest Glen Court, Silver Spring, Md. 20910.
- LEVY, DR. BERNARD I(SAAC), b. New York, N.Y. Apr. 3, 24; m. 51. PSYCHOLOGY. B.A. N.Y. Univ. 48; Ph.D. Rochester, 52. Trainee clin. psychol. Vet. Admin. Princeton & Rochester, 49-52; res. psychologist, U.S. Air Force Personnel & Training Res. Center, 52-56; asst. prof. psychiat. Georgetown, 56-62; PROF. PSYCHOL. GEORGE WASHINGTON, 62-, CHMN. DEPT. 67-, dir. clin. training, 62-67. Chief psychologist, D.C. Gen. Hosp. 56-62. Consult. D.C. Dept. Voc. Rehab. 59- C.Eng. U.S.A. 43-46. Psychol. Asn. Experimental clinical psychology; psychological assessment; experimental aesthetics. Publ: Proposed method for increasing accuracy of judges' classification of verbal material, J. Abnorm. & Soc. Psychol; An underlying variable in the clinical evaluation of drawings of human figures, J. Consult. Psychol. 63; Judging psychopathology from paintings, J. Abnorm. Psychol. 67. Address: 6010 Broad Branch Rd. N.W. Washington, D.C. 20015.
- LEVY, DR. C(HARLES) MICHAEL, JR, b. Shreveport, La. June 6, 38; m. 64; c. 1. PSYCHOLOGY. B.S. Tulane, 60, M.S. 61; Nat. Sci. Found. fel. Wisconsin, 61-64, Ph.D. (psychol), 65. ASST. PROF. PSYCHOL. FLORIDA, 64- Instr. Wisconsin, summer 64. Psychol. Asn; Psychonomic Soc. Human learning and memory; experimental design; general experimental psychology. Address: Dept. of Psychology, University of Florida, Gainesville, Fla. 32601.
- LEVY, PROF. FERDINAND KATZ, b. New Orleans, La. Feb. 11, 31; m. 55; c. 2. ECONOMICS, MANAGEMENT SCIENCE. B.S. Tulane, 50, univ. fel. 50-52; M.B.A. 52; Ford Found. fel. Carnegie Inst. Tech. 60-62, M.S. 62, Int. Bus. Mach. fel. 62-63, Ph.D. (econ), 64. Plant mgr. Lonsfield Bros. Inc. La. 52-59; instr. quant. methods, Tulane, 59-60; part-time instr. econ. Carnegie Inst. Tech. 62-63; asst. prof. bus. admin. & mem. opers. res. cmt. Stanford, 63-65; assoc. prof. ECON. RICE, 65-67, PROF. 67- Part-time instr. statist. Tulane 51-59; part-time vis. prof. sch. bus. Texas Southern, 65-66; summer res. assoc. off. naval res. Carnegie Inst. Tech. 61-63. AAAS; Econ. Asn; Economet. Soc; Inst. Mgt. Sci; Opers. Res. Soc. Am. Economic theory; managerial economics; systems theory; cognitive psychology. Publ: Co-auth. A note on the Cobb-Douglas function, Rev. Econ. Studies, 6/63; auth. An adaptive production function, Am. Econ. Rev. 5/65; An application of heuristic problem solving to accounts receivable management, Mgt. Sci. 2/66. Address: Dept. of Economics, Rice University, Houston, Tex. 77001.
- LEVY, DR. FRED DAVID, JR, b. Chicago, Ill. Oct. 10, 37; m. 60; c. 2. ECONOMICS. B.S. Purdue, 59, M.A. & Ph.D. (econ), Yale, 66. ASST. PROF. ECON. SYRACUSE, 64- Econ. Adv. U.S. Agency Int. Develop. Brazil, 67- Econ. Asn; Latin Am. Studies Asn; Soc. Int. Develop; Soc. Pub. Admin. Economic planning; agricultural and economic development of Latin America. Publ: Economic planning in Venezuela, Praeger, 68, & Yale Econ. Essays, spring 67; The uses of politics, Develop. Digest, 1/68. Address: Dept. of Economics, 10 Maxwell, Syracuse University, Syracuse, N.Y. 13210.
- LEVY, GEORGE J(OSEPH) E(LI), b. Boston, Mass. June 13, 13; m. 51; c. 2. PSYCHOLOGY. A.B. George Washington, 49, M.A. 59; San Francisco State Col. 52-53; California, 54. Intern psychol. Napa State Hosp. 51-52; clin. psychologist, Army Hosp. Camp Stoneman, 52-53; staff psychologist, State Hosp. Colo. 56-57; SR. PSYCHOLOGIST, STATE PENITENTIARY, COLO, 57- Consult. W.Cent. Guid. Center, 63-; New Hope Center Ment. Retarded, 65- U.S.N. 42-46. Psychol. Asn; Asn. Correctional Psychol. Language behavior of the emotionally disturbed; criminal psychodynamics; applications of the Minnesota multiphasic personality inventory to criminal behavior. Publ: Co-auth. Clinical psychology for non-psychiatric physician, Kans. City Col. Osteop. & Surg. 1/66 & Categorization recall and preference of KTSA objects by aggressive and non-aggressive prisoners, (in press). Address: 815 Oak Ave, Canon City, Colo. 81212.
- LEVY, DR. JEROME, b. Brooklyn, N.Y. Dec. 14, 25; m. 58; c. 2. CLINICAL PSYCHOLOGY. B.A. New Mexico, 51; M.A. Denver, 53, Ph.D. 56. Asst. psychol. New Mexico, 51-52; asst. & intern. med. sch. Colorado, 54-56; chief psychologist, Colo. State Health Dept. 56-59; Tex. State Dept. Pub. Health, 59-61; coordinator staff develop. proj. West. Interstate Cmn. Higher Ed. 61-64, dir. ment. health ed. prog. 64-66; ASST. PROF. BEHAV. SCI. IN PSYCHIAT. SCH. MED. NEW MEXICO, 66- Instr. U.S. Armed Forces Inst. 56; Denver, 57. Mem. sci. staff. Bernalillo County-Indian Hosp. Albuquerque, N.Mex. 66- U.S.N. 43-44; U.S.P.H.S.R. 57-, Sr. Asst. Scientist. AAAS; fel. Psychol. Asn. Value orientations as dimensions of personality; community mental health training and research; organization and development of community preventative and treatment services on a state and interstate basis. Publ: Reducing the language complexity of the study of values: revision; Readability level and differential test performance; co-auth. Training for administrative leadership: a pilot program, Hosp. & Community Psychiatry, 4/67. Address: 1207 Dakota N.E., Albuquerque, N.Mex. 87110.
- LEVY, DR. JERROLD EDGAR, b. New York, N.Y. Mar. 9, 30; m. 54; c. 5. SOCIAL ANTHROPOLOGY. M.A. Chicago, 56, Lichtstern grant, 57-58, Ph.D. (anthrop), 59. Res. assoc. anthropol. sch. pub. health, California, 59-62; ethnologist, div. Indian health, U.S. Pub. Health Serv. 62-64; ASSOC. PROF. ANTHROP. PORTLAND STATE COL. 64- Lectr. California, 59-62;

Nat. Insts. Ment. Health career develop. award, 68-71; Nat. Inst. Ment. Health small res. grants Navajo alcoholism, 67-68. Fel. Current Anthropol. Fel. Anthropol. Assn; fel. Soc. Appl. Anthropol. Acculturation, changing health behavior and psychopathologies of North American Indians. Publ: Social organization of Western Navajo, 64: 781-801 & The fate of Navajo twins, 66: 883-887, Am. Anthropol. Navajo suicide, Human Orgn, 24: 308-318. Address: Dept. of Anthropology, Portland State College, Portland, Ore. 97207.

LEVY, DR. LEO, b. New York, N.Y., July 11, 28; m. 57; c. 2. CLINICAL PSYCHOLOGY. B.S. City Col. New York, 50, M.A., 51; fel. Washington (Seattle), 52-53, Ph.D. 58; Nat. Inst. Ment. Health fel. Harvard, 63-64, S.M. 64. Intern clin. psychol. Iowa Psychopath. Hosp. Iowa City, 51-52; asst. psychol. HumRRO, U.S. Dept. Army, 53-55; voc. counsr, counseling center, Washington (Seattle), 55-56, exten. instr. 57-58, trainee clin. psychol. Vet. Admin, Seattle, 56-58; instr. psychol. Michigan, 58-60; adminstr. Pueblo Guid. Center, Colo, 60-63; DIR. DIV. PLANNING & EVAL. SERV. ILL. DEPT. MENT. HEALTH, 64- U.S. Pub. Health Serv. fel. 58-60; asst. prof. med. center, Illinois, 65-67, consult. community psychol. 67- Consult. Pueblo Goodwill Indust, 61-63. Dipl. clin. psychol. Am. Bd. Exam. Prfnl. Psychol. 63. AAAS; Psychol. Assn; Pub. Health Assn. Psychotherapy; community mental health; social and health planning; training of mental health specialists. Publ: Co-auth. The quality of urban life: an analysis from the perspective of mental health, In: Urban America: goals and problems, U.S. Govt. Printing Off, Wash, D.C. 67; The evaluation of statewide mental health programs: a systems approach, Community Ment. Health J, summer 68; auth. Financing, Organization and control: the problem of implementing comprehensive community mental health services, Am. J. Pub. Health, in press. Address: 5232 S. Hyde Park Blvd, Chicago, Ill. 60615.

LEVY, PROF. LEON H (ARRIS), b. Paterson, N.J., Dec. 24, 25; m. 50; c. 3. PSYCHOLOGY. B.A. Antioch Col. 50; M.A. Ohio State, 51, Ph.D. (clin. psychol.), 54. Instr. PSYCHOL. INDIANA, 54-57, asst. prof. 57-61, from assoc. prof. to PROF. 61- U.S.A., 44-46. Psychol. Assn. Personality theory; psychodiagnosis; psychotherapy. Address: Dept. of Psychology, Indiana University, Bloomington, Ind. 47405.

LEVY, PROF. LESTER S (AMUEL), b. Newark, N.J., July 22, 25; m. 53; c. 1. ECONOMICS. B.A. Rutgers, 49; fel. & M.A. Cornell, 52, Ph.D. 56. Instr. ECON, Lehigh, 53-55; asst. prof. Tex. Tech. Col. 55-59, assoc. prof. 59-63, PROF. 63-64; NORTHERN ILLINOIS, 64- Ford Found. res. fel. 58; Fulbright lectr, Finland, 65-66. Econ. Assn. Economic theory, particularly macro-economics and social accounting; economic history and policy; business history. Publ: American economic development: growth of United States in western world; Price flexibility and industrial concentration, South. Econ. J; Decline in the spirit of enterprise among leaders of American business, In: Problems of United States economic development, Vol. II. Address: Dept. of Economics, Northern Illinois University, DeKalb, Ill. 60115.

LEVY, PROF. MARION J (OSEPH), JR, b. Galveston, Tex, Dec. 12, 18; m. 44; c. 2. SOCIOLOGY. A.B. Harvard, 39, A.M. 43, Chinese Cultural scholar & Soc. Sci. Res. Coun. fel. 46-47, Ph.D. (sociol.), 47; A.M. Texas, 40. Asst. econ. Texas, 39-40; asst. prof. sociol. PRINCETON, 47-51, assoc. prof. 51-59, PROF. 59-65, SOCIOL. & INT. AFFAIRS, WOODROW WILSON SCH, 65-, res. assoc. center int. studies, 56-57. Ford Found. res. grant, 56-60; lectr. for. serv. inst. U.S. Dept. State, 57-67, chmn. bd. dirs. Destructive Critics, Inc, 61- Rep. from Princeton, Human Rels. Area Files, 52-66, mem. bd. dirs. 55-66. Mem. Soc. Sci. Res. Coun. Conf. Econ. Growth in Selected Countries, N.Y., 52, Conf. Comp. Polit. Princeton, 53. Co-chmn. panel Oriental family, World Cong. Sociol. Amsterdam, 56. U.S.N.R. 42-45, Lt. Social. Assn. Theories of social structure; comparative analysis of social structure using Chinese and Japanese materials. Publ: The family revolution in modern China; Modernization and the structure of societies, Princeton, 66; Levy's six laws of disillusionment of the true liberal, M.P.H. Press, 66. Address: 209 Woodrow Wilson School, Princeton University, Princeton, N.J. 08540.

LEVY, DR. MICHAEL E (RNST), b. Mainz, Germany, Jan. 31, 29. ECONOMICS. B.A. Hebrew Univ. Israel, 52; fel. Columbia, 55-56; Ph.D. (econ), 58. Lectr. econ. Columbia, 55-56, instr. 56-59; econ. affairs officer and consult. UN, 58-59; sr. economist NAT. INDUSTRY CONF. BD, 59-65, MGR. FISCAL & MONETARY DEPT, 65- Grad. lectr. Baruch Sch. City Col. New York, 61-63; vis. grad. lectr. New Sch. Soc. Res. 63- Israeli Army, 48-50. Econ. Assn; Finance Assn; Assn. Bus. Econ. Public finance and taxation; fiscal and monetary policy and debt management; economic development. Publ: Income tax exemptions, 60; Fiscal policy, cycles and growth, 63 & co-auth. & ed. The federal budget: its impact on the economy, pub. annually 67-, Nat. Indust. Conf. Bd. Address: Apt. 22B, 90 Morningside Dr, New York, N.Y. 10027.

LEVY, DR. NISSIM, Psychol, see 10th ed, Soc. & Behav. Vols.

LEVY, PAUL S, Math. Statist, Biostatist, see Suppl. V to 11th ed, Phys. & Biol. Vols.

LEVY, DR. ROBERT ISAAC, b. New York, N.Y., June 1, 24. PSYCHIATRY, PSYCHOLOGICAL ANTHROPOLOGY. Virginia, 41-44; M.D. N.Y. Univ. 47. Resident psychiat, Bellevue Hosp. New York, 48-51; asst. clin. prof. sch. med. California, San Francisco, 56-64; sr. specialist psychol. anthrop. inst. adv. projs. East-West Center, UNIV. HAWAII, 64-66, vis. assoc. prof. pub. health, 66-67, RES. PROF. PSYCHOL. ANTHROP. SOC. SCI. RES. INST, 67- Res. grants, Nat. Inst. Ment. Health & Nat. Sci. Found. French Polynesia, 61-64. Med.C. U.S.A., 53-56, Capt. Fel. Psychiat. Assn; Anthropol. Assn. Personality development, personality structure and psychopathology in nonwestern cultures. Publ: Co-auth. Non-segregated hospitalization of alcoholic patients in a general hospital, Am. Hosp. Assn, 59; auth. Tahitian adoption as a message, In: Adoption in eastern Oceania, Univ. Hawaii, 68; Child management structure and its implications in a Tahitian family, In: A modern introduction to the family, Macmillan, 68. Address: Social Science Research Institute, University of Hawaii, 1914 University Ave, Room 101, Honolulu, Hawaii 96822.

LEVY, DR. RUTH J (ACOB), b. New York, N.Y., Apr. 5, 15; m. 34; c. 3. PSYCHOLOGY. A.B. N.Y. Univ. 35; M.A. Columbia, 37, Ph.D. (psychol.), 41. CLIN. PSYCHOLOGIST, ed. clin. City Col. New York, 35-41, Wash. Children's Home Soc., 43-56; Santa Clara County Hosp., 56-58; SAN JOSE DEPT. HEALTH, 58- Clin. psychologist, ment. hyg. clin. Vet. Admin, 47-51; lectr. & prof. Seattle, 53-56. Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. AAAS; fel. Psychol. Assn; fel. Soc. Proj. Tech. Developmental psychology; projective techniques in diagnostic psychological testing; reduction of delinquency; development of reliable and valid methods of screening for positions in law enforcement. Publ: Implications of psychiatry for religion, Reconstructionist; Rorschach pattern in neurodermatitis, Psychosom. Med; Predicting police failures, J. Criminal Law, Criminol. & Police Sci, 58:2. Address: 14430 Union Ave, San Jose, Calif. 95124.

LEVY, DR. SEYMOUR, b. New York, N.Y., Apr. 12, 23; m. 56; c. 2. SOCIAL & INDUSTRIAL PSYCHOLOGY. B.S.S. City Col. New York, 43; Ph.D. (soc. psychol.), N.Y. Univ. 53. Res. field worker, Boy Scouts Am, 42-43; asst. psychol. N.Y. Univ. 46-47, instr. psychol. 50-53, res. assoc. res. center human rels, 53; personnel technician, Richardson, Bellows, Henry & Co, N.Y., 47-49; instr. Pace Col. 49-51; res. assoc. student couns. bur. Minnesota, 53-55; instr. psychol. Queens Col. (N.Y.), 55-57; MGR. PERSONNEL RES. & MANPOWER DEVELOP. PILLSBURY CO, 57- Assoc. Nat. Training Labs; mem. bd. dirs. Midwest Group Human Resources, 67- Dipl. Indust. psychol. Am. Bd. Exam. Prfnl. Psychol. 62. U.S.A., 43-46. AAAS; Psychol. Assn; Inst. Mgt. Sci. Group dynamics and personality theory; counseling and managerial development; prediction of management effectiveness; organizational determinants of behavior; use of simulation for training and research; attitude research; test development; mental health. Address: Pillsbury Co, 608 Second Ave. S, Minneapolis, Minn. 55402.

LEVY, DR. SIDNEY, b. New York, N.Y., June 5, 09; m. 31; c. 1. PSYCHOLOGY. B.S. City Col. New York, 32, M.S. 36; fel. N.Y. Univ. 45-46, Ph.D. (clin. psychol.), 48. Soc. case work investr. New York Dept. Welfare, 35-44, supvr. soc. workers, 45; CONSULT. PSYCHOTHERAPIST, 45-; DIR. RES. INST. PERSONALITY, PSYCHOTHER. & ED, 56- Instr. Colby Acad, 43-44; lectr. sch. ed. N.Y. Univ. 46-66, res. assoc. sch. eng. 47-48. Chief psychologist, Westover Sta. Hosp., 44-45; clin. psychologist, Northport Neuropsychiat. Hosp. N.Y., 46-47; regional off. Vet. Admin. Hyg. Clin. 47-52; dir. prfnl. training, Ray Ment. Hyg. Clin. 49-51; dir. Inst. Adv. Prfnl. Postdoctoral Seminars Psychother. & Diag, 61-68. U.S.A.A.F., 44-45. AAAS; Psychol. Assn. Personality dynamics. Publ: Figure-drawing analysis, Proj. Psychol; Sentence completion and word association techniques, Progress Clin. Psychol; Figure-drawing analysis, Proj. Tech. Address: 26 W. Ninth St, New York, N.Y. 10011.

LEVY, PROF. SIDNEY J (AY), b. St. Louis, Mo, May 29, 21; m. 53; c. 2. PSYCHOLOGY. Ph.B. Chicago, 46, M.A. 48, Ph.D. (human develop), 56. Staff psychologist, SOC. RES. INC, 48-54, assoc. dir. psychol. res. 54-55, DIR. PSYCHOL. RES, 55-; PROF. MKT. NORTHWESTERN, 61- Res. assoc. Billings Hosp, 50-51; lectr. Chicago, 58-59. U.S.A.A.F., 42-44. Psychol. Assn. Consumer behavior; interpersonal relations; communication processes. Publ: Co-auth. Living with television, Aldine, 62 & Promotion: a behavioral view, Prentice-Hall, 67; auth. Symbolism and life style, In: Toward scientific marketing, Am. Mkt. Assn, 63. Address: School of Business, Northwestern University, Evanston, Ill. 60201.

LEVY, WALTER J, b. Hamburg, Germany, Mar. 21, 11; nat; m. 42; c. 2. ECONOMICS. Heidelberg, 29-30; Berlin, 30-31; LL.D. Kiel, Germany, 33. Asst. to ed. Petrol. Press Bur. London, 37-41; practicing economist, N.Y., 41-42; chief petrol. sect. Off. Strategic Serv, 42-45; asst. off. intel. res. U.S. Dept. State, 45-48, consult. President's cmt. for. aid, 48; chief oil br. Econ. Coop. Admin, 48-49; CONSULT. ECONOMIST, 49- Petrol. adv. to U.S. Del. Coun. For. Ministers, 47; for. econ. adv. Socony Vacuum Oil Co, 48; adv. to spec. rep. of President, Iran, 51; consult. off. dep. adminstr. President's Mat. Policy Cmn, 51; Nat. Security Resources Bd, 52; policy planning staff, U.S. Dept. State, 52-53, 60; Int. Coop. Admin, 56-57; oil adv. to spec. emissary of President Kennedy to Pres. Indonesia, 63; adv. European Econ. Community, 65; consult. off. Under Secy. State, 67. Presidents Cert. Merit. Econ. Assn; Statist. Assn. Commodity problems; international trade; industrial organization. Address: 30 Rockefeller Plaza, New York, N.Y. 10020.

LEW, EDWARD ABRAHAM, b. Poland, Feb. 23, 09; nat; m. 33; c. 2. ACTUARIAL SCIENCE, STATISTICS. B.S. City Col. New York, 29; A.M. Columbia, 32. Supvr. res. actuarial div. METROP. LIFE INS. CO, 37-39, asst. actuary, 39-50, assoc. actuary 50-53, statistician, 53-65, V.PRES. 65-, ACTUARY, 53- Mem. staff. cmt. fed. med. serv. cmm. orgn. Exec. Br. Fed. Govt. 48-49; actuarial adv. cmt. to Vet. Admin, 66-; Am. sect. permanent cmt. Int. Cong. Actuaries, 68. U.S.A., 43-46; Legion of Merit, 47. Fel. AAAS; fel. Soc. Actuaries; Inst. Mgt. Sci. Mortality and morbidity investigations; follow-up studies of physically impaired persons; medical statistics. Publ: A new mortality basis for annuities, Transactions Soc. Actuaries, 49; An updated mortality basis for annuities, Proc. Int. Cong. Actuaries, 68. Address: Metropolitan Life Insurance Co, 1 Madison Ave, New York, N.Y. 10010.

LEW, PROF. LAWRENCE MAYO, b. Anhwei, China, Nov. 16, 98; U.S. citizen; m. 25; c. 4. POLITICAL SCIENCE, HISTORY. B.A. Nanking, 19; Butler, 20-21; M.A. Chicago, 22; UNRRA fel. 46; Brit. Treas. fel. 48-49. Prof. polit. sci. & head dept. Nanking, 23-31, dean lib. arts col. 29-31; prof. polit. sci. St. John's Univ. China, 43-44; prof. polit. sci. Bradley, 48-68, Asian studies, 65-68, chmn. dept. polit. sci. 51-65, div. soc. sci. 52-56; PROF. GOVT. & ASIAN STUDIES, CHAPMAN COL, 68- Int. student counsr, 52-68; Fulbright prog. adv. & coordinator E.Asian studies, 52-68; Peace Corps liaison, 61-68. Exec. secy. Chinese Nat. Relief & Rehab. Admin, 45-46, mem. cent. reconstruct. cmm, 47. Soc. Pub. Admin; Nat. Assn. For. Student Affairs. Sino-Soviet dispute; political science in China. Publ: A study of leadership in democratic government (in Chinese), Univ. Nanking, 30; Mandarin, In: Encyclopedia Britannica, 60, 64 & 67; contrib. Dictionary of political science, Philos. Library, 64. Address: Chapman College, Orange, Calif. 92666.

- LEWENSTEIN, PROF. MORRIS R, b. Duluth, Minn, Oct. 30, 23; m. 57; c. 2. SOCIAL SCIENCE. B.A. Chicago, 44, M.A., 47; Ph.D. Illinois, 53. ASSOC. PROF. SOC. SCI. SAN FRANCISCO STATE COL, 53-, CHMN. DEPT. INTERDISCIPLINARY STUDIES, 60- Social studies; curriculum; teacher training. Publ: Our American government today. Address: Dept. of Social Science, San Francisco State College, 1600 Holloway Ave, San Francisco, Calif. 94132.
- LEWINS, LEON, b. Poland, Jan. 3, 11; nat; m. 41. ECONOMICS. B.S. City Coll. New York, 43; M.A. American Univ, 51. Econ. analyst, Off. Price Admin, 44-45; economist mkt. res, War Assets Admin, 45-47; econ. specialist, U.S. Dept. State, 49-61; chief, E. European Sect, SINO-SOVIET DIV, U.S. DEPT. COMMERCE, 61-65, DEP. DIR, 65- Econ. Asn; Asn. Adv. Slavic Studies; Asn. Study Soviet Type Econ. Economy of Poland and of the Union of Soviet Socialist Republics; economics of Eastern Europe; international economic relations; international trade; trade with communist-controlled countries. Publ: The Polish economy: problems and prospects, Probs. Communism, 5-6/58; Poland's rapid industrialization changes economic structure, 11/65 & Rumania's industrial growth most rapid in Eastern Europe, 11/65, Int. Commerce. Address: 4400 East-West Highway, Bethesda, Md. 20014.
- LEWINSKI, DR. ROBERT JOHN, b. Toledo, Ohio, Feb. 10, 12; m. 40. PSYCHOLOGY. Ph.B. Toledo, 34; fel. Iowa, 35-39, A.M., 36, Ph.D. (psychol), 39. Dir. & chief psychologist, Child Study Inst, Ohio, 39-41; employ. mgr, GREAT ATLANTIC & PACIFIC TEA CO, 46-47, div. employ. supr, Mich, 47-48, PERSONNEL MGR, Ind, 48-52, Grand Rapids, 53-62, TOLEDO, 62- Lectr, Toledo, 39-41. Consult. res. & develop. bd, U.S. Dept. Defense, 51. Med. C, 41-46, Comdr. Fel. Psychol. Asn; Asn. Mil. Surg. Clinical and industrial psychology; business and industrial personnel; psychopathology. Publ: Vocabulary and mental measurement: a quantitative investigation and review of research, J. Genetic Psychol; Psychological appraisal of executive personnel, J. Personnel Admin. & Indust. Rels; What is freemasonry? Masonic Serv. Asn. of U.S. Address: 617 Locust St, Perrysburg, Ohio 43551.
- LEWINSOHN, DR. PETER MICHAEL, b. Berlin, Germany, Mar. 17, 30; nat; m. 59; c. 1. PSYCHOLOGY. B.S. Allegheny Col, 51; M.A. Hopkins, 53, Ph.D., 55. Clin. psychologist, Osawatamie State Hosp, Kans, 55-56; sr. clin. psychologist, East Pa. Psychiat. Inst, 56-57; U.S. Pub. Health Serv. fel. clin. psychol, Phila. Child Guid. Clin, 57-58; staff psychologist, St. Christopher's Hosp. Childrens, 58-59; instr. psychol, sch. med, Temple, 58-59; chief psychologist, Larue D. Carter Mem. Hosp, Indianapolis, Ind, 59-63; assoc. prof. PSYCHOL, Southern Illinois, 63-65; ASSOC. PROF, OREGON, 65-, DIR. UNIV. PSYCHOL. CLIN, 66- Instr, sch. med, Indiana, 59-63, lectr, div. soc. work, 60-63. Dipl. Am. Bd. Exam. Prfnl. Psychol, 61- Psychol. Asn; Asn. Adv. Behav. Therapies. Effects of brain damage upon behavior; clinical and experimental investigation of depression; relationship between personality and cognitive functioning. Publ: Co-auth, Role of contextual constraint in the learning of language samples in schizophrenia, J. Nervous & Ment. Diseases; Factors related to improvement in mental hospital patients, J. Consult. Psychol, 12/67; Dimensions of change in mental hospital patients, J. Clin. Psychol, 10/67. Address: Dept. of Psychology, University of Oregon, Eugene, Ore. 97403.
- LEWISON, THEA STEIN, b. Berlin, Germany, Apr. 17, 07; U.S. citizen; m. 50; c. 2. PSYCHOLOGY, HANDWRITING ANALYSIS. Inst. Berg Losse, Lessing Hochschule, Berlin, 29-33; Sarah Lawrence Col, 41-42. PSYCHOLOGIST, N.Y. State Psychiat. Inst, Columbia, 40-41; St. Elizabeth's Hosp, Wash, D.C., 51-52; PSYCHOL. ASSESSMENT ASN, D.C., 56- Handwriting consult. to indust, 33-; handwriting researcher, Nat. Inst. Ment. Health, 60-61; v-pres, Sci. Graphologists Ltd, Eng, 66- Swiss Soc. Adv. Graphology; French Soc. Graphology. Application of handwriting analysis and other projective techniques as tools for psychological assessment. Publ: Co-auth, Handwriting analysis, Columbia, 42; auth, The use of handwriting analysis as a psychodiagnostic technique, J. Proj. Tech, Vol. 25, No. 3; Handwriting of the quadruplets during premorbid and morbid conditions, In: The Gena in quadruplets, Basic Books, 63. Address: 9506 E. Stanhope Rd, Kensington, Md. 20795.
- LEWIS, DR. BEN WILLIAM, b. Mt. Pleasant, Mich, Nov. 5, 00; m. 23; c. 2. ECONOMICS. A.B. Michigan, 22, A.M., 23, Ph.D. (econ), 26; LL.B. Western Reserve, 34. Asst. prof. econ, Oberlin Col, 26-29, assoc. prof, 29-36, prof, 36-67, chmn. dept, 50-65; PROG. ADV. INT. DIV, FORD FOUND, 67- Lectr, Michigan, 29-30; Soc. Sci. Res. Coun. traveling fel, 35-36. Summers, instr, Chicago, 31, 37, Michigan, 46-48, sch. bus. admin, 51-58, Columbia, 47, California, 49, Minnesota, 50, Pomona Col, 52, Colorado, 59. Chief economist, consumers div, U.S. Dept. Interior, 40; consumers div, adv. cmn, Coun. Nat. Defense; price exec, asst. to dep. adminstr. & acting div. dir, Off. Price Admin; chief distribution br, Off. For. Relief & Rehab. Oper; indust. orgn. br, For. Econ. Admin; patent contracts br, Off. Alien Property Custodian. Consult, Econ. Coop. Admin; U.S. Dept. Commerce; U.S. Dept. State; Cmt. Econ. Develop; econ. adv, consumers adv. bd, Nat. Recovery Admin, 34-35; consult, govt. Columbia, 43; Venezuela, 53; Jordan, 59-; Nigeria, 61. Mem. personnel cmt, Soc. Sci. Res. Coun, 40-44; mem. Nat. Task Force Econ. Ed, 60-61. Trustee, Joint Coun. Econ. Ed; Teachers Ins. & Annuity Am, 65-68. Econ. Asn. (v-pres, 58); Am. Acad. Arts & Sci. Public control of industry in the United States and Great Britain; economic education. Publ: Price and production control in Great Britain; Public utility regulation; British planning and nationalization. Address: 68 Professor St, Oberlin, Ohio 44074.
- LEWIS, DR. BENJAMIN G, Clin. Psychol, see 10th ed, Soc. & Behav. Vols.
- LEWIS, DR. CHARLES LEONARD, b. Wellsville, Ohio, Jan. 6, 26; m. 48; c. 3. EDUCATIONAL PSYCHOLOGY. B.S. Ohio, 49; M.A. Minnesota, 53, Ph.D., 55. Asst. dean men, Ohio, 49-50; asst, Minnesota, 50-51, student personnel worker, 51-53, assoc. dir. student activities, 53-55; dean men, North Dakota, 55-59, assoc. prof. psychol. & dean students, 59-62; assoc. prof. ed. psychol. & exec. dean student affairs & servs, Tennessee, 62-66; V.PRES. STUDENT AFFAIRS, PA. STATE, 66- Ed, J. Col. Student Personnel, 57-63. U.S.A., 44-46. College student behavior; academic progress; selection and retention practices; procedures and outcomes of orientation. Publ: Possible
- outcomes and determinants of orientation-registration. Address: Office of Student Affairs, Pennsylvania State University, University Park, Pa. 16802.
- LEWIS, PROF. C(LARENCE) GLENN, b. Macedonia, Iowa, Aug. 8, 03; m. 43; c. 2. BUSINESS LAW, REAL ESTATE. A.B. Iowa, 26, J.D., 27; Nebraska, 54; M.B.A. Indiana, 56. Lectr. bus. law, NEBRASKA, OMAHA, 47, 48-50, instr, 50-53, asst. prof, 53-57, assoc. prof. BUS. LAW & REAL ESTATE, 57-62, PROF, 62- Mem. ed. cmt, Nat. Asn. Real Estate Bd, 57-61. U.S.A., 42-46, Maj. Publ: The broker's primary legal instruments, 67 & The capitalization rate and real estate appraisal problems, 68, Univ. Omaha. Address: Dept. of Business Administration, University of Nebraska at Omaha, Nebr. 68101.
- LEWIS, DR. DARRELL RICHARD, b. St. Paul, Minn, July 31, 36; m. 60; c. 2. ECONOMICS. B.A. Luther Col. (Iowa), 60; Ph.D. (econ), La. State, 63. Asst. prof. econ, Luther Col. (Iowa), 63-66; vis. asst. prof, La. State, 66-67; DIR. ECON. ED, MINNESOTA, MINNEAPOLIS, 67- Consult, U.S. Off. Ed, 67. U.S.A., 55-58. Econ. Asn; Acad. Polit. & Soc. Sci. Economic growth in underdeveloped countries; economic education. Address: Dept. of Economic Education, 1169 Business Administration Bldg, University of Minnesota, Minneapolis, Minn. 55455.
- LEWIS, DR. DAVID M, b. Cleveland, Ohio, Jan. 26, 29; m. 57; c. 2. SOCIOLOGY. B.A. Maryland, 54, M.A., 56; Ph.D. (sociol), Mich. State, 63. Lectr. SOCIOLOGY, Far East div, Maryland, 57-59; teaching asst, Mich. State, 59-61, instr, 61-62; asst. prof, WESTERN MICHIGAN, 62-66, ASSOC. PROF, 66- Off. Ed. res. grant, 64-65. U.S.A., 47-49, 50-52, Sgt. Sociol. Asn; Rural Sociol. Soc. Occupational prestige; Far Eastern youth; Japan area studies. Publ: Co-auth, The hypothesis of inter-societal similarity in occupational prestige hierarchies, Am. J. Sociol, 9/66; Scaling students' perceptions of cheating, J. Ed. Res, 10/67; auth, The perception of entrepreneurial prestige by rural Japanese boys, Rural Sociol, 3/68. Address: Dept. of Sociology, Western Michigan University, Kalamazoo, Mich. 49001.
- LEWIS, DR. DAVID T(REVOR), b. Llantrisant, S.Wales, Mar. 1, 20; nat; m. 44; c. 2. SOCIOLOGY. B.S. Central Michigan; M.A. Ohio State, 45, Danforth fel, 56-57, Ph.D., 60. Asst. SOCIOLOGY, Ohio State, 45-47; instr, Miami (Ohio), 47-52, asst. prof, 52-60, assoc. prof, 60-63, prof, 63-66; CHMN. DIV. SOC. SCI, UNIV. MARYLAND, BALTIMORE COUNTY, 66- Pop. consult, Bur. Govt. Res, Cincinnati, Ohio, 63-66; Regional Planning Coun, Baltimore, 66- R.C.A.F., 42-45, Flying Officer. Sociol. Asn; Pop. Asn. Racial and ethnic ecological segregation; urban renewal and redevelopment; socialization of minority group children; metropolitan and regional demography and planning. Publ: Co-auth, Population problems, McGraw, 5th ed, 65; Empirical study of Jewish identification: relationship between the home life of eighth-grade Jewish boys and their adjustment in the public schools of Cincinnati, Ohio. Address: 212 Hilton Ave, Baltimore, Md. 21228.
- LEWIS, PROF. DON, b. Mesa, Ariz, Nov. 11, 02; m. 24. PSYCHOLOGY, STATISTICS. A.B. Parsons Col, 24; M.A. Iowa, 32, Ph.D. (psychol), 33. Eastman fel, IOWA, 33-35, res. assoc, 33-37, assoc. PSYCHOL, 37-38, asst. prof, 38-41, assoc. prof, 41-48, PROF, 48- Fulbright sr. lectr, Sydney, 64. Asst. dir. oper. res. staff, off. chief signal officer, U.S. Army, 42-45; dir. training res. group, U.S. Army Air Force, Wash, D.C., 45-46. Fel. Psychol. Asn; fel. Acoustical Soc. Quantitative methods; acquisition of skills. Publ: Quantitative methods in psychology. Address: Dept. of Psychology, University of Iowa, Iowa City, Iowa 52240.
- LEWIS, DR. DONALD J(OSEPH), b. Waterloo, Iowa, July 22, 22; m. 53; c. 2. PSYCHOLOGY. Ph.D. (psychol), Southern California, 51. Asst. prof. PSYCHOL, Northwestern, 52-57; assoc. prof, La. State, 57-60, prof, 60-61; prof & chmn. dept, Rutgers, 61-68; CHMN. DEPT, SOUTHERN CALIFORNIA, 68- Consult, Vet. Admin, 58-60, 62- U.S.A., 43-46. Fel. Psychol. Asn. Learning and conditioning. Publ: Scientific principles of psychology, Prentice-Hall, 63. Address: Dept. of Psychology, University of Southern California, Los Angeles, Calif. 90007.
- LEWIS, DR. DONALD W, b. Tiffin, Ohio, July 26, 36; m. 58; c. 2. GEOGRAPHY. B.Sc. Bowling Green State, 58; M.A. Ohio State, 63, Ph.D. (geog), 66. Res. analyst cartog. aeronaut. chart & info. serv, U.S. Air Force, Mo, 58-60; cartographer, Ohio Div. Water, 60-61; asst. geog, Ohio State, 61-62, asst. instr, 62-63, res. assoc, natural resources inst, 63-64; instr. GEOG, Calif. State Col. Long Beach, 64-65, ASST. PROF, 65-66; TOLEDO, 66- Asn. Am. Geog; Int. Asn. Gt. Lakes Res; Am. Inst. Urban & Regional Affairs. Economic geography; urban geography; conservation and the management of natural resources; regional economic development; geography of the Great Lakes region; geography of the United States and Canada. Publ: The decline of the Lake Erie commercial fishing industry in Ohio, Ohio State Univ, 67; Urban water supply and waterborne waste disposal: some problems and alternatives, J. Am. Inst. Urban & Regional Affairs, (in press). Address: Dept. of Geography, University of Toledo College of Arts & Sciences, Toledo, Ohio 43606.
- LEWIS, PROF. EDWARD E(RWIN), b. Mohawk, N.Y., Jan. 27, 00. ECONOMICS. A.B. Columbia, 24, A.M., 25, Ph.D. (econ), 31. Asst. Columbia, 26-29; asst. prof. ECON, HOWARD, 29-39, assoc. prof, 39-45, PROF, 45-, head dept, 46-59. Carnegie res. assoc, Nat. Bur. Econ. Res, 40-41. Statist. Asn; Econ. Asn. Monetary problems; economic statistics; economic theory; land tenure; migration; business cycle research. Publ: Methods of statistical analysis in economics and business. Address: Dept. of Economics, Howard University, Washington, D.C. 20001.
- LEWIS, PROF. EDWARD G(EORGE), b. Yeovil, Eng, Aug. 8, 12; nat; m. 43. GOVERNMENT. A.B. California, Los Angeles, 33, A.M., 34; London Sch. Econ, 34-35; Paris, 38-39; Ph.D. California, 40. Instr, California, Los Angeles, 39-40, 41; Idaho, 40; Texas, 41-46, asst. prof, 46-47, assoc. prof, 47-48; POLIT. SCI, ILLINOIS, URBANA, 48-55, PROF, 55- Fulbright lectr, France, 52-53; Chester W. Nimitz vis. lectr, U.S. Naval War Col, 46-66. U.S.N.R., 43-46, Lt. Comdr. AAAS; Soc. Int. Law; Asn. Adv. Slavic Studies (acting secy, 64-65); Polit. Sci. Asn. Comparative government. Publ: British by-elections as a reflection of public opinion; co-auth, Readings in

American government, 5th ed, Crowell, 68. Address: 496 Lincoln Hall, University of Illinois, Urbana, Ill. 61801.

LEWIS, PROF. EDWIN C(LARK), b. Shelby, Ohio, Dec. 1, 33; m. 55; c. 2. EDUCATIONAL PSYCHOLOGY. B.A., Wittenberg, 55; M.A., Ohio State, 55, Ph.D.(psychol), 57. PROF. PSYCHOL, IOWA STATE, 57-, CHMN. UNIV. HONORS PROG, 66-, counseling psychologist, student counseling serv, 57-65. AAAS; Psychol. Asn; Personnel & Guid. Asn; Ed. Res. Asn. Educational achievement; counseling psychology; teaching effectiveness; employment of women; superior students in college. Address: Dept. of Psychology, Iowa State University, Ames, Iowa 50010.

LEWIS, PROF. EDWIN H(ENDERSON), b. Freehold, N.J., July 5, 09; m. 43; c. 2. MARKETING. B.S., Drexel Inst, 32; M.B.A., Pennsylvania, 33, Ph.D. (econ), 46. Exec. trainee, S.H. Kress & Co., N.Y., 33-35; asst. prof. bus. admin., The Citadel, 35-37; instr. mkt., Pennsylvania, 37-42; regional bus. consult., U.S. Dept. Commerce, 42-47; PROF. MKT., MINNESOTA, MINNEAPOLIS, 47- Fulbright lectr., Barcelona & Madrid, 61-62. Mkt. Asn. Wholesale trade; marketing channels; international marketing. Publ: Marketing electrical apparatus and supplies, McGraw, 61; The franchise system of distribution, Univ. Minnesota, 63; Marketing channels: structure and strategy, McGraw, 68. Address: School of Business Administration, University of Minnesota, Minneapolis, Minn. 55455.

LEWIS, PROF. EVELYN HODGES, b. Logan, Utah, Feb. 1, 07; m. 45; c. 1. SOCIOLOGY. B.S., Utah State Agr. Col, 29; A.M., Chicago, 39; Southern California, 42; N.Y. Sch. Soc. Work, 50; Chicago, 57-58. Soc. worker, Latter-Day Saints Relief Soc, 29-34; sr. supvr, Dept. Pub. Welfare, Salt Lake County, Utah, 35-37; ASSOC. PROF. SOCIOL. & SOC. WORK, UTAH STATE, 38-, supvr. field work, 38-55, coordinator counseling serv. to students, 55-56. Spec. soc. work consult, War Relocation Authority & child welfare worker, Utah Dept. Pub. Welfare, 43; psychiat. soc. worker, Ment. Health Clin, 50- Acad. Cert. Soc. Workers. Use of child guidance clinics by child placing agencies. Address: Dept. of Sociology & Social Work, Utah State University, Logan, Utah 84321.

LEWIS, PROF. GEORGE K(NOWLTON), b. Waltham, Mass., Jan. 11, 23; m. 42; c. 3. GEOGRAPHY. A.B., Harvard, 44, M.A., 47, Ph.D., 56. Instr. GEOG, BOSTON, 50-56, asst. prof, 56-59, assoc. prof, 59-66, PROF. & CHMN. DEPT., 66- Lectr., Wellesley Col, 56, 58; U.S. Naval War Col, 58-59; Harvard, 60- Consult, Itel Corp, 58-60. U.S.N., 43-46, 51-52. Asn. Am. Geog; Am. Geog. Soc. Urban-regional analysis; New England. Publ: Co-auth., Form and function in the geography of retailing, Econ. Geog, 67. Address: 182 Concord Rd, Wayland, Mass. 01778.

LEWIS, DR. GEORGE R(IDLEY), b. Kansas City, Mo., Sept. 11, 17; m. 42. CLINICAL PSYCHOLOGY. B.S., Roosevelt, 50; M.A., Loyola (Ill), 54, Ph.D., 59. Clin. psychologist, psychiat. inst, Munic. Court of Chicago, Ill, 52-55; chief psychologist, State Training Sch. for Boys, 55-57, clin. dir, 57-58; Ill. Youth Cmn. Reception & Diagnostic Center, 58-61; assoc. prof. psychol, DePaul, 61-65, consult. psychologist, ment. health center, 62-65; PRACTICING PSYCHOLOGIST, 65- Res. assoc, Loyola (Ill), 64-65. Consult. psychologist, State Youth Cmn, Ill, 61-; div. criminologist, State Dept. Pub. Safety, 61- U.S.A., 41-46, Capt. AAAS; Psychol. Asn; Soc. Clin. Hypnosis. Projective techniques; personality. Address: 422 S. 15th Ave, Maywood, Ill. 60153.

LEWIS, DR. GORDON D(EPEW), b. Charlottesville, Va., July 22, 29; m. 54. FOREST ECONOMICS. B.S., Va. Polytech, 51; M.F., Duke, 57; Ph.D. (forestry econ), Mich. State, 61. Asst. forestry, Mich. State, 57-59; instr. Montana State, 59-61, asst. prof, 61-62; proj. leader mkt. res, U.S. FOREST SERV, 62-66, res. forester, 66-67, BR. CHIEF DEMAND & PRICE ANAL, 67- U.S.A., 51-53. Econ. Asn; Soc. Am. Foresters. Marketing of forest products; forest land taxation; utilization of natural resources in economic development. Publ: Co-auth., Transportation costs to pulpwood shippers in lower Michigan, Quart. Bull. Mich. Agr. Exp. Sta, 42: 444-469; auth., A possible approach to forest land taxation, Bull. Mont. Forest & Conserv. Exp. Sta, 62; The role of forest industries in industrial development in tropical Latin America, Proc. Sixth World Forestry Cong, 67. Address: 6014 Summerhill Rd, Washington, D.C. 20031.

LEWIS, PROF. GORDON F(IELDING), b. Clifton, N.J., Feb. 25, 24; m. 47. c. 4. SOCIOLOGY. A.B., Rutgers, 49; M.A., Kentucky, 51, Ph.D., 58. Instr. sociol, Kentucky, 50-52; Rollins Col, 54-58, asst. prof, 58-60; Elmira Col, 60-61; VERMONT, 61-64, assoc. prof. SOCIOL, 64-68, PROF, 68-. CHMN. DEPT. SOCIOL. & ANTHROP, 65- U.S.A., 43-46, Sgt. Sociol. Asn; Soc. Appl. Anthrop; Soc. Study Social Probs. Community studies; occupational mobility and career patterns of small businessmen; marriage and family relationships. Publ: Comparison of some aspects of the careers of small businessmen and American business leaders, Am. J. Sociol; Attitudes toward contraceptives among residents of a university housing project, Am. Sociol. Rev; co-auth., Social origins and social mobility of businessmen in an American city, Proc. Int. Sociol. Asn. Address: Dept. of Sociology & Anthropology, University of Vermont, Burlington, Vt. 05401.

LEWIS, DR. GORDON HARRIMAN, b. Wenatchee, Wash., Dec. 24, 37; m. 61; c. 1. SOCIOLOGY. A.B., Stanford, 60, M.A., 61, Ph.D.(sociol), 66. Lectr. SOCIOL., Santa Clara, 64-65; ASST. PROF. YALE, 65- Status hierarchies. Address: Dept. of Sociology, Yale University, New Haven, Conn. 06520.

LEWIS, PROF. H(AROLD) G(REGG), b. Mich., May 9, 14; m. 38; c. 3. ECONOMICS. A.B., Chicago, 36, Hillman fel, 37-38, Field fel, 38-39, Ph.D. (econ), 47. Exec. aecy. & asst. wage stabilization dir, Regional War Labor Bd, 43-45; instr. ECON. CHICAGO, 39-43, 45-47, asst. prof, 47-49, assoc. prof, 49-57, PROF, 57-, DIR. ECON. RES. CENTER, 55- Vis. prof, Cath. Univ. Chile, 67-68. U.S.A.A.F., 45. Econ. Asn. Labor economics; industrial organization; economic theory. Publ: Unionsim and relative wages, Univ. Chicago, 63. Address: 5806 Harper Ave, Chicago, Ill. 60637.

LEWIS, HARRIE F(RANCIS), b. New York, N.Y., Apr. 21, 17; m. 42; c. 2. MARKETING. B.S., Harvard, 40. Res. analyst, R.H. Macy & Co, Inc, 41-45; assoc. prof. retailing res. & asst. dir. res. bur. retail training, Pittsburgh,

45-50; res. dir, Kaufmann Dept. Stores, 50-56; PRES, A.F. LEWIS & CO. OF N.Y., INC, 56- Consult, bur. census, U.S. Dept. Commerce, 48-50. U.S.A., 43. Business forecasting. Publ: Lost sales opportunities in retailing, Harvard Bus. Rev. Address: A.F. Lewis & Co. of N.Y., Inc, 853 Broadway, New York, N.Y. 10003.

LEWIS, DR. HELEN BLOCK, b. New York, N.Y., Aug. 22, 13; m. 36; c. 2. PSYCHOLOGY. A.B. Columbia, 32, A.M., 33, Ph.D.(psychol), 36. Tutor psychol, Brooklyn Col, 34-38, instr, 38-42; lectr., Swarthmore Col, 45; CONSULT. PSYCHOLOGIST, 45- Lectr., New Sch. Soc. Res, 46-49. Clin. psychologist, Mt. Sinai Hosp, 45-48; consult, psychol. lab, State Univ. N.Y. Downstate Med. Center, 60- AAAS; fel. Psychol. Asn; Asn. Psychophysiol. Study Sleep. Personality psychology; psychotherapy; psychoanalysis. Publ: Co-auth., Experimental studies of dreaming, Random, 67. Address: 15 W. 75th St, New York, N.Y. 10023.

LEWIS, PROF. HENRY W(ILKINS), b. Jackson, N.C., Nov. 7, 16. POLITICAL SCIENCE. A.B., North Carolina, 37; LL.B., Harvard, 40. ASST. DIR, INST. GOVT, NORTH CAROLINA, 46-, PROF. PUB. LAW & GOVT, 57-, res. prof, 51-57. U.S.A., 41-46, Capt. Taxation of property, especially legal aspects of assessment, exemption and foreclosure; administration of election laws; legislative organization and procedure. Publ: Property tax collection in North Carolina; Legislative committees in North Carolina; Basic legal problems in the taxation of property. Address: Institute of Government, University of North Carolina, Chapel Hill, N.C. 27514.

LEWIS, DR. HERBERT SAMUEL, b. Jersey City, N.J., May 8, 34; m. 57; c. 2. ANTHROPOLOGY. A.B., Brandeis, 55; Ford Found. fel, 58-60; Ph.D. (anthrop), Columbia, 63. Instr. anthrop. & polit. sci., Northwestern, 61-63; asst. prof. ANTHROP, WISCONSIN, 63-67, ASSOC. PROF, 67- Nat. Sci. Found. res. grant, 65-66. Fel. Anthropol. Asn; Ethnol. Soc; fel. African Studies Asn. Political anthropology; community studies; culture history; Africa, especially Ethiopia and East Africa; Europe; Middle East. Publ: A Galla monarchy, Univ. Wisconsin, 65; Origins of the Galla and Somali, J. African Hist, 66; Typology and process in political evolution, Am. Ethnol. Soc. Proc, 68. Address: Dept. of Anthropology, University of Wisconsin, Madison, Wis. 53706.

LEWIS, PROF. H(OMER) C(OLLIER), b. Whitesburg, Ky., Aug. 25, 05. BUSINESS ADMINISTRATION. A.B., Georgetown Col, 28; M.A.B., Michigan, 30; LL.B., Louisville, 34. Asst. auditor & treas., Frankfort & Cincinnati R.R. Co, 31-35; from instr. to assoc. prof. econ, Georgetown Col, 35-42, prof. & head dept, 46-48; asst. prof. acct, KENTUCKY, 46, ASSOC. PROF. COMMERCE, 48- Price specialist to price exec, Off. Price Admin, Ky, 42-45, price exec, 51-52; mem, Georgetown, Ky. sch. bd, 60- Am. Acct. Asn. Address: College of Business & Economics, University of Kentucky, Lexington, Ky. 40506.

LEWIS, PROF. HOWARD THOMPSON, b. Oshkosh, Wis., July 15, 88; m. 39; c. 1. ECONOMICS, BUSINESS ADMINISTRATION. A.B., Lawrence Col, 10, hon. LL.D., 36; hon. LL.D. Bethany Col, 40; hon. M.A., Harvard, 42. Prof. econ. & sociol, Hiram Col, 12-14; Idaho, 14-20; bus. admin, Washington (Seattle), 20-22, dean col, 22-26; lectr., R. Inst. Superiore Economiche, Italy, 26-27; prof. mkt., HARVARD, 27-55, ed, Harvard Bus. Rev, 41-50, chmn. bd, 50-55, EMER. PROF. MKT, 55- Consult. & instr., Northeastern, 55-57, 65-67; Boston Col, 57-58; Emory, 57-; Univ. King's Col, 60- Consult, U.S. Air Force, 50-61. Cavaliere dell' Ordine della Corona d'Italia, 25; Nat. Asn. Purchasing Agents Shipman medal award, 40; U.S. Air Force citation meritorious civilian serv, 55. Industrial procurement and marketing. Publ: Procurement, principles and cases; Problems in industrial purchasing; Motion picture industry. Address: 64 Betts Rd, Belmont, Mass. 02178.

LEWIS, DR. HYLAN (GARNET), b. Washington, D.C., Apr. 4, 11; m. 35. 47; c. 2. SOCIOLOGY. A.B., Va. Union, 32; Soc. Sci. Res. Coun. fel, Chicago, 32-33, A.M., 36, Rosenwald Found. fel, 39-41, Ph.D.(sociol), 51. Instr. sociol, Howard, 35-41; prof. soc. sci., Talladega Col, 41-43; assoc. prof. sociol, Hampton Inst, 45-48; Atlanta, 48-56, prof, 56-; assoc. dir, community serv, Unitarian Serv. Cmt, Inc, Mass, 57-59; dir. child rearing study, Health & Welfare Coun, D.C., 59-64; prof. sociol. & dir. center community studies, Howard, 64-67; PROF. SOCIOL, BROOKLYN COL, 67- Res. assoc. inst. res. soc. sci., North Carolina, 48-49; fel, Metrop. Appl. Res. Center, 67- Consult, ashmore proj, Fund Adv. Ed, 53; chief consult, family panel, White House Conf. Civil Rights Planning Session, 65. Mem, Volta River Proj. Prep. Cmn, Gold Coast, 54; Unitarian Serv. Cmt, 54-; disasters study cmt, Nat. Res. Coun, 55-; Cmn. on Race & Housing, 56-; adv. cmt. grants prog, U.S. Children's Bur, 62-66; small grants adv. cmt, Off. Manpower, Automation & Training, 63-; delinquency grants rev. cmt, Nat. Inst. Ment. Health, 63-67; subcmt. res, Nat. Manpower Adv. Cmt, U.S. Dept. Labor, 65-; rev. panel, ed. labs. & res. grants, U.S. Off. Ed, 65-; Head Start Res. Adv. Cmn, Off. Econ. Opportunity, 65-; nat. adv. cmt, John F. Kennedy Center Ed. & Human Develop, Peabody Col, 65-, res. panel, demonstr. & res. center early ed, 66-; eval. & adv. panel, res. & develop. center ed. stimulation, Univ. Georgia, 66-; tech. rev. cmt. training prog, Admin. Aging, 66-; task force, Cmn. Ment. Health Children, 67-; nat. adv. cmt, Nat. Lab. Early Childhood Ed, Univ. Illinois, 67- Sociol. Asn; Soc. Study Soc. Prob; African Studies Asn; Soc. Appl. Anthropol. Culture and personality; community and community development; family. Publ: Culture, class and poverty, Health & Welfare Coun. Nat. Capital Area, 67; Blackways of Kent; Changing Negro family, In: Nation's children, vol. 1. Address: Dept. of Sociology, Brooklyn College, Brooklyn, N.Y. 11210.

LEWIS, HYMAN L(EON), b. Washington, D.C., July 1, 10; m. 41; c. 4. ECONOMICS, POLITICAL SCIENCE. B.A., George Washington, 33, M.A., 44. Chief, munitions indust. labor requirements sect, U.S. BUR. LABOR STATIST, 43-45, employment outlook sect, 46-50, asst. chief, off. labor econ, 51-56, chief, 56-61, chief econ. consult, 61-68, CHIEF DIV. ECON. STUDIES, 67- Acad. Polit. Sci; Econ. Asn. Analysis of economic trends as they affect the labor situation; impact of policy decisions upon the demand for and supply of labor; fiscal policy economics. Address: 1840 Portal Dr. N.W., Washington, D.C. 20012.

- LEWIS, DR. JAMES E (LDON), b. Pontiac, Mich, Jan. 5, 38; m. 63; c. 2. GEOGRAPHY. B.A. Eastern Michigan, 61; M.A. Georgia, 63, Alumni Found. fel, 64-66, Ph.D.(geog), 66. ASST. PROF. GEOG. LA. STATE, 66- Econ. geogr, Gulf South Res. Inst. 66- Consult. Ga. Dept. Pub. Health & City Center, Inc. Atlanta, 64. AAAS; Asn. Am. Geog; Am. Geog. Soc; Regional Sci. Asn; Am. Inst. Urban & Regional Affairs. Conceptual development and delimitation of functional regions; industrial structure of lower Mississippi delta; relationships between urbanization and water resource development. Address: Dept. of Geography, Louisiana State University, Baton Rouge, La. 70803.
- LEWIS, DR. JAMES HUBERT, b. Bluffton, Ohio, June 23, 29; m. 48; c. 2. AGRICULTURAL ECONOMICS. B.Sc. Ohio State, 53, M.Sc. 54, Ph.D. 60. Asst. agr. econ, Ohio State, 53-54, instr. 56-60; asst. wholesale milk mgr, Sealtest Dairy, Ohio, 54-56; ASST. PROF. AGR. ECON. COLORADO STATE, 61- Mkt. Asn. Market structure; interregional competition related to the agricultural industry. Publ: Marketing livestock through Ohio terminal markets, Retail meat marketing in Ohio & Market outlets used by Ohio farmers in selling and buying livestock, Ohio Agr. Exp. Sta. Bull. Address: Dept. of Economics & Sociology, Colorado State University, Ft. Collins, Colo. 80521.
- LEWIS, PROF. JOHN D (ONALD), b. Paterson, N.J., Oct. 6, 05. POLITICAL SCIENCE. A.B. Oberlin Col, 28; scholar, Wisconsin, 28-29, A.M. 29, Ph.D. 34; Inst. Int. Ex. change fel, Berlin, 32-33. Asst. prof. POLIT. SCI. OBERLIN COL, 35-42, assoc. prof. 42-48, PROF. 48-, CHMN. DEPT. 48-50, 53- Soc. Sci. Res. Coun. fel, 39-40; Guggenheim fel, 43-44; vis. prof, Wesleyan, 50-51; Fulbright lectr, Oxford, 59-60; vis. prof, Case Western Reserve, 66-67. Mem. northeast regional cmt. faculty fcls, Fund Adv. Ed, Ford Found, 51-54; cmn. faculty res. fcls, Soc. Sci. Res. Coun, 60-64. Polit. Sci. Asn.(v-pres, 62-63); Soc. Polit. & Legal Philos.(v-pres, 66-67). European political theory and comparative government; American political theory. Publ: The Genossenschaft theory of Otto von Guericke, Univ. Wisconsin, 35; co-auth, Against the tyrant, Macmillan, 57; Anti-federalists versus federalists, Chandler, 67. Address: 255 E. College St, Oberlin, Ohio 44074.
- LEWIS, PROF. JOHN P (RIOR), b. Albany, N.Y., Mar. 18, 21; m. 46; c. 3. ECONOMICS. A.B. Union Col, 41; M.P.A., Harvard, 43, Ph.D.(polit. econ, govt), 50. Instr. soc. studies, Union Col, 46-48, asst. prof. econ. & govt, 48-50; mem. staff, coun. econ. advs, Exec. Off. President, 50-53; econ. consult, UN Korean Reconstruct. Agency, 53; assoc. prof. BUS. ADMIN, INDIANA, 53-56, PROF. 56-, CHMN. DEPT. BUS. ECON. & PUB. POLICY, 61-, dir. int. develop. res. center, 62-64. Sr. staff mem, econ. div, Brookings Inst, India, 59-60, for. polit. studies div, 61-; mem, President's Coun. Econ Adv, 63-64; minister-dir, U.S. Agency Int. Develop. Mission to India, New Delhi, 64- U.S.N., 43-46, Lt. Econ. Asn; Planning Asn. Business conditions; public economic policy; economically underdeveloped areas. Publ: Reconstruction and development in South Korea; Business conditions analysis; Quiet crisis in India. Address: Graduate School of Business, Indiana University, Bloomington, Ind. 47401.
- LEWIS, PROF. JOHN WILSON, b. King Co, Wash, Nov. 16, 30; m. 54; c. 3. POLITICAL SCIENCE. A.B. California, Los Angeles, 53, M.A. 58, Ford Found. & univ. fcls. & Ph.D. 62. Asst. prof. govt, Cornell, 61-64, assoc. prof. 64-68; PROF. POLIT. SCI. STANFORD, 68- Consult. & contractor, U.S. Dept. State, 62- Dir. Cornell cmt, London-Cornell Proj, 65-68; secy-treas, Conf. Communist Studies, 66-68; mem. subcm. Chinese govt. & polit, Joint Cmt. Contemporary China, Soc. Sci. Res. Coun. & Contemporary China Mat. Develop. Center Cmt, 67- U.S.N., 54-57, Res, 57-65, Lt. Polit. Sci. Asn; Asn. Asian Studies. Chinese Communist leadership techniques and ideology; education and political development in China. Publ: Leadership in Communist China, Cornell, 63; ed, Major doctrines of Communist China, Norton, 64; co-auth, The United States in Vietnam, Dial, 67. Address: Dept. of Political Science, Stanford University, Stanford, Calif. 94305.
- LEWIS, JUSTIN C (ARL), b. New York, N.Y., Feb. 26, 18; m. 39; c. 2. EDUCATION, STATISTICS. B.A. Brooklyn Col, 39. Statistician, U.S. Bur. Census, 40-41; children's bur, U.S. Dept. Labor, 41-42; War Prod. Bd, 42-43; prin. asst. for prog. anal, voc. rehab. & ed. serv. Vet. Admin, 46-58; head higher ed. statist, U.S. Off. Ed, 58-62; adminstr. adv. coun. mgt. & eval, Vet. Admin, 62-65; planning off, Nat. Insts. Health, 65-66; chief prog. eval. br, off. equal health opportunity, U.S. Pub. Health Serv, 66-67; DIR. SCI. ED. STUDIES, NAT. SCI. FOUND, 67- U.S.N., 43-46, Lt.(jg). Asn. Instrnl. Res. Policy and planning; research advisory service; statistical surveys and research on veterans, health, educational and social welfare programs. Publ: Record and evaluation of the vocational rehabilitation program for disabled veterans, U.S. House Rep, 57; co-auth, Engineering enrollments and degrees, 59 & Earned degrees conferred, 61, U.S. Off. Ed. Address: 407 Greer Ave, Silver Spring, Md. 20901.
- LEWIS, DR. LAURA HESTER, b. Rulo, Nebr, Nov. 18, 21; m. 44; c. 2. CLINICAL PSYCHOLOGY. B.S. Nebr. Wesleyan, 59; Ph.D.(clin. psychol), Nebraska, 67. Nurse, Methodist Hosp, Omaha, 42; intern clin. psychol. Nebr. Psychiat. Inst, 65; asst. clin. psychologist, LINCOLN STATE HOSP, 65-67, coordinator clin. serv, children's unit, 66-67, COORDINATOR CHILDREN'S UNIT & CLIN. PSYCHOLOGIST, 67- Psychol. exam, State Dept. Ed, Nebr, 67- Nurse C, U.S.A., 42-45. Psychol. Asn. Personality assessment; program evaluation for children inpatient psychiatric care programs; personality development. Address: Apt. 4, 5400 Madison, Lincoln, Nebr. 68504.
- LEWIS, DR. LAURENCE A, b. Pittsburgh, Pa, June 26, 39. GEOGRAPHY. B.A. Antioch Col, 61; M.S. Northwestern, 63, Ph.D.(geog), 65. ASST. PROF. GEOG, INDIANA, 65- Asn. Am. Geog; Geol. Soc. Fluvial processes, geomorphology; Caribbean, population characteristics. Publ: The adjustment of some hydraulic variables, Prinf. Geogr, 7/66; co-auth, The spatial structure of transportation networks and socio economic development, Ind. Acad. Soc. Sci. Proc, 6/67; auth, Some aspects of the fluvial geomorphology of the Rio Manati, Puerto Rico, Ann. Asn. Am. Geogr, 3/68. Address: Dept. of Geography, Indiana University, Bloomington, Ind. 47405.
- LEWIS, DR. LESLIE, b. Madrid, Spain, May 24, 30; U.S. citizen; m. 59; c. 4. PSYCHOLOGY, EDUCATION. B.S. Albuquerque, 62; M.S. Okla State, 64, Ed.D.(guid), 66. Teacher; high schs, N.Mex, 61-63; asst. counseling, Okla. State, 64-65; asst. prof. psychol, SOUTHEAST. STATE COL, 65-66, DIR. YOUTH DEVELOP. PROG, 66- Consult, Headstart Progs, 66-; Upward Bound Prog, 67-; off. juvenile delinquency & youth develop, Nat. Conf. Juvenile Delinquency, 67- U.S.A.F., 48-52, Sgt. Ed. Res. Asn; Psychol. Asn; Personnel & Guid. Asn. Group processes with children in pre-school through high school relative to achievement, dynamics and personal commitment. Publ: A multivariate analysis of variables associated with academic success within a college environment, Dissertation Abstracts, 67; A training program to effect change in institutionalized nonreservation Indian youth, Crime & Delinquency Abstracts, 67. Address: Dept. of Education & Psychology, Southeastern State College, Durant, Okla. 74701.
- LEWIS, DR. LIONEL S (TANLEY), b. Ottawa, Can, July 29, 33; U.S. citizen; m. 62. A.B. Washington (St. Louis), Woodrow Wilson fel, 57; M.A. Cornell, 58; fel, Yale, 60, Ph.D.(sociol), 61. Asst. prof. SOCIOL, Nevada, 61-63; STATE UNIV. N.Y. BUFFALO, 63-67, ASSOC. PROF, 67- U.S.A., 53-55. Sociol. Asn; Asn. Instrnl. Res; Soc. Study Social Probs. Social stratification and the sociology of higher education. Publ: The academic axe: some trends in dismissals from institutions of higher learning in America, Soc. Probs, 64; On prestige and loyalty of university faculty, Admin. Sci. Quart, 67; Two cultures: some empirical findings, Ed. Record, 67. Address: Dept. of Sociology, Faculty of Social Sciences and Administration, State University of New York at Buffalo, 312 Hayes Hall, Buffalo, N.Y. 14214.
- LEWIS, PROF. MADGE KATHARINE, b. Wales, U.S. citizen. PSYCHOTHERAPY. B.A. Southern California, 38, M.A. 40; Ph.D.(psychol, psychother), Chicago, 59. Teacher music, Long Beach Jr. Col, 41-42; pub. schs, Calif, 42-45 & 46-48, head counsr, 48-54; res. assoc. & psychotherapist, counseling center, Univ. Chicago, 56-60; PROF. PSYCHOL. & ED, SAN FRANCISCO STATE COL. & PSYCHOTHERAPIST, COUNSELING CENTER, 60- Part-time private practice, 60- W.A.V.E.S., U.S.N.R., 45-46. Psychol. Asn; Acad. Psychother; Group Psychother. Asn; Musicol. Soc. Relationships between psychotherapist and patient; clinical psychology. Publ: Co-auth, Client-centered therapy, In: Case studies in counseling and psychotherapy, Prentice-Hall, 59; auth, Prediction or projection, In: Discussion papers, Univ. Chicago, Vol. V, 59; co-auth, Separation problems in college students, In: International handbook of group therapy, Philos. Library, 66. Address: Dept. of Psychology, San Francisco State College, 1600 Holloway Ave, San Francisco, Calif. 94132.
- LEWIS, PROF. M (ARION) S (MITH), b. Grantsboro, N.C., Mar. 3, 96. BUSINESS ADMINISTRATION. A.B. Trinity Col.(N.C.), 18, A.M. 21; Chicago, 21-22. Dir. sch. commerce & admin, Col. of Charleston, 22-28; secy, S.C. Power Co, 28-31; PROF. BUS. ADMIN. & HEAD DEPT, THE CITADEL, 31- Investments; raw material wealth; finance. Address: 549 Hugh St, Charleston, S.C. 29403.
- LEWIS, DR. MARK F (RANCIS), b. New York, N.Y. July 4, 38. PSYCHOLOGY. B.S. Columbia, 60, M.A. 62, Nat. Inst. Ment. Health fel, 63-64, Ph.D.(psychol), 64. Asst. prof. psychol, Calif. State Col. Hayward, 64-66; CHIEF VISUAL PROCESSES RES, CIVIL AEROMED. INST, FED. AVIATION ADMIN, 66- Adj. asst. prof, Oklahoma, 67- Mem. cmt. vision, Armed Forces-Nat. Res. Coun, 67- AAAS; Optical Soc. Am; Psychol. Asn. Visual psychophysics, especially temporal factors in vision; defective color vision, including color blindness and anomalous color vision; operant conditioning and behavioral pharmacology, especially cholinesterase inhibitors. Publ: Category judgments as functions of flash luminance and duration, 65, Category judgments and the luminance-duration function, 66 & Two-flash thresholds as a function of luminance in the dark-adapted eye, 67, J. Optical Soc. Am. Address: Civil Aeromedical Institute-AC118, Federal Aviation Agency, P.O. Box 25082, Oklahoma City, Okla. 73125.
- LEWIS, PROF. MELISSA, Physiol. Psychol. see 11th ed, Phys. & Biol. Vols.
- LEWIS, DR. MICHAEL, b. New York, N.Y., Jan. 10, 37; m. 62; c. 1. DEVELOPMENTAL PSYCHOLOGY. B.A. Pennsylvania, 58, M.A. & Ph.D.(psychol), 62. Asst. prof. psychol, Antioch Col, 62-65, assoc. prof, 65-68, res. assoc, Fels Res. Inst, 62-67, sr. investr, 67-68; RES. PSYCHOLOGIST, ED. TESTING SERV, 68- Consult. ed, Perceptual-Cognitive Develop, 66- AAAS; Soc. Res. Child Develop; Psychol. Asn; Soc. Psychophysiol. Res. Perceptual-cognitive development in infancy and young childhood; reinforcement parameters and their interactions with ongoing behavior; behavioral and physiological correlates of attention. Publ: Co-auth, Cardiac response as a correlate of attention in infants, 37:63-71 & Patterns of fixation in infants, 37:331-341, Child Develop; Differential cardiac response to visual and auditory stimulation in the young child, Psychophysiology, 3:229-237. Address: Center for Psychological Studies, Educational Testing Service, Princeton, N.J. 08540.
- LEWIS, DR. MORGAN V, b. Kingston, Pa, Aug. 13, 35. PSYCHOLOGY. B.S. Pa. State, 57; M.S. 63, Ph.D.(psychol), 66. Mkt. res. analyst, Ross Labs. Div, Abbott Labs, 59-63; PSYCHOLOGIST, PA. STATE, 64- Psychol. Asn; Asn. Pub. Opinion Res. Career choice; human resources allocation. Publ: Co-auth, The preparation of youth for effective occupational utilization 67 & The potential of vocational education, 68, Inst. Human Resources; auth, Implications of two views of vocational guidance, J. Human Resources, 8/68. Address: Human Resources Institute, Pennsylvania State University, University Park, Pa. 16802.
- LEWIS, MORRIS L (EON), b. Snyder, Tex, July 29, 30; m. 54; c. 2. ECONOMIC GEOGRAPHY. B.A. Southeast. State Col, 52; M.A. Nebraska, 54; Noyce scholar, Chicago, 54-55; California, 60; summers, Maine, 60, Wisconsin, Milwaukee, 65. Asst. Nebraska, 53-54; cartographer, Okla. State contract in Ethiopia, 55-58; geographer, Int. Coop. Admin, 58-60, prog. asst. community develop, 60-61, adv. Agency Int. Develop, Iran, 61-63; area proje. officer econ. develop, BUR. INDIAN AFFAIRS, 63-66, AREA PROG. OFFICER PROG. PLANNING, 66- Superior performance award, 66-67. U.S.A.,

- 47-50. *Asn. Am. Geog.*; *Soc. Pub. Admin.* Areal functional organization of human occupancy in an underdeveloped country, especially Central Ethiopia; principals and procedures of program planning for the economic and social development of American Indian tribes and reservations. Address: 12300 Eastridge Dr, N.E., Albuquerque, N.Mex. 87112.
- LEWIS, DR. MURRAY D, *Psychiat.*, see 11th ed, *Phys. & Biol. Vols.*
- LEWIS, DR. NOLAN D(ON) C(ARPENTER), *Path.*, see 11th ed, *Phys. & Biol. Vols.*
- LEWIS, PROF. OSCAR, b. New York, N.Y., Dec. 25, 14; m. 37; c. 2. *ANTHROPOLOGY*. B.S.S., City Col. New York, 36; Ph.D., Columbia, 40. Res. assoc., Yale, 42-43; propaganda analyst, U.S. Dept. Justice, 43; soc. scientist, U.S. Dept. Agr., 44-45; U.S. Dept. State vis. prof., Havana, 45-46; assoc. prof. *ANTHROP.*, Washington (St. Louis), 46-48; PROF., ILLINOIS, URBANA, 48- Grant-in-aid, behav. sci. div., Ford Found., 52, consult. anthropologist, India, 52-54. Soc. Sci. Res. Coun. summer seminar fel., 52. *Anthrop. Asn.* Comparative analysis of peasant societies; cultural change; applied anthropology. Publ: Five families: Mexican case studies in the culture of poverty; Children of Sanchez; Pedro Martinez: a peasant family in transition, Random, 63. Address: Dept. of Anthropology, 109 Davenport Hall, University of Illinois, Urbana, Ill. 61801.
- LEWIS, PROF. PEIRCE F(EE), b. Detroit, Mich., Oct. 26, 27; m. 52. *CULTURAL & POLITICAL GEOGRAPHY*. B.A., Albion Col., 50; M.A., Michigan, 52, fel., 56-57, Ph.D.(geog.), 58. Geogr. mil. intel., U.S. Army, Japan, 53-55; Nat. Sci. Found. fel., Washington (Seattle), 57-58; asst. prof. GEOG., PA. STATE, 58-62, PROF., 62- Summers, vis. lectr., Michigan, 58, Nat. Sci. Found. fel., Inst. Study Quant. Methods Geog., 62. Ed. Prentice-Hall series, *Foundations of Physical Geography*, 65. Mem. Int. Geog. Union. Historical geography of the United States; geographic variations in cultural and physical landscape, especially in northeastern United States; geography of folk architecture. Publ: Linear topography in the southwestern Palouse, Washington-Oregon & Impact of Negro migration on the electoral geography of Flint, Michigan, 1932-62: a cartographic analysis, 65, *Ann. Asn. Am. Geog.*; Dichotomous keys to the Koppen System, In: *The professional geographer*. Address: Dept. of Geography, Pennsylvania State University, University Park, Pa. 16802.
- LEWIS, DR. PHILLIP H, b. Chicago, Ill., July 31, 22; m. 49; c. 3. *ANTHROPOLOGY*. B.F.A., Sch. Art Inst. Chicago, 47; Chicago Nat. Hist. Mus. fcls., Chicago, 51-52, 54-55, M.A., 53, Ph.D.(anthrop.), 66; Fulbright scholar, Australian Nat. Univ., 53-54. Asst. curator primitive art, FIELD MUS. NAT. HIST., 57-59, assoc. curator, 60, CURATOR, 61-66, PRIMITIVE ART & MELANESIAN ETHNOL., 66- U.S.A.A.F., 42-45, S/Sgt. Fel. Am. Anthropol. Asn; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Anthropological study of primitive art; art of ethnologically known peoples of South Seas, especially Melanesia. Publ: The social context of art in northern New Ireland, Field Mus. Press, (in press); A definition of primitive art, Fieldiana: Anthropology, 36: 221-241. Address: Field Museum of Natural History, Roosevelt Rd. & Lake Shore Dr, Chicago, Ill. 60605.
- LEWIS, R. MILLER, *Econ.*, see 10th ed, *Soc. & Behav. Vols.*
- LEWIS, DR. RALPH KEPLER, b. Mar. 7, 12; m. 49; c. 3. *ANTHROPOLOGY*. B.A., Southwest Mo. State Col., 34; M.A., Southern California, 39; summer, Arizona, 40; Ph.D.(anthrop.), Columbia, 67. Dep. asst. chief transportation, European Theater, U.S. Army, 45-46; field assoc. anthrop., Morden African Exped., Am. Mus. Natural Hist., 47-48; field dir., Mid. East Res. Proj., Columbia, 49-51; prof. for. serv. inst., U.S. Dept. State, 51-53, area specialist, lang. & area training center, Beirut, Lebanon, 53-55, dir., 55-57, consul., Am. Consulate Gen., Dhahran, Saudi Arabia, 57-60, chief N. African div., bur. anal. & res., D.C., 60-61, chief Near East, bur. ed. & cultural exchange, 61-64; ASSOC. PROF. *ANTHROP.*, GEORGE WASHINGTON, 64-, CHMN. DEPT., 68- U.S.A., 35-37, Transportation C., 41-46, Lt. Col. Fel. Anthropol. Asn; Ethnol. Soc. Social and economic organization of Near Eastern societies; man-land relationships and social organization in East Africa. Publ: Hadchte: a study of emigration in Lebanon, Univ. Microfilms, 67. Address: Dept. of Anthropology, George Washington University, Washington, D.C. 20006.
- LEWIS, DR. RALPH S(ELDEN), *Econ.*, see 10th ed, *Soc. & Behav. Vols.*
- LEWIS, DR. (EMANUEL) RAYMOND, b. Oakland, Calif., Nov. 30, 28; m. 54; c. 1; m. 67. *PSYCHOLOGY*. B.A., California, Berkeley, 51, M.A., 53; Nat. Inst. Ment. Health fel., Oregon, 60-61, Ph.D.(ed. psychol.), 62. Asst. prof. psychol., Ore. Col. Ed., 61-62; couns., counseling center, Oregon State, 62-63, asst. prof. psychol., 63-68; HUMAN FACTORS SCIENTIST ASSOC., SYSTS. DEVELOP. CORP., 68- Researcher & consult., Nat. Armed Forces Mus. Adv. Bd., Smithsonian Inst., 66-68. Mil. Intel., U.S.A., 54-56, Res., 56-, Capt. Problem-solving and perception; concept formation. Address: Systems Research Corp., 5720 Columbia Pike, Falls Church, Va. 22041.
- LEWIS, ROBERT E(DWARD), b. Rome, N.Y., July 23, 17; m. 44. *ECONOMICS, STATISTICS*. B.A., Columbia, 39; M.B.A., N.Y. Univ., 49. Statistician & economist, Fed. Reserve Bank N.Y., 39-54; SR. ECONOMIST, FIRST NAT. CITY BANK OF N.Y., 54- Mem. Fed. Statist. Users Conf. U.S.A.A.F., 43-46. Econ. Asn; Statist. Asn; Asn. Bus. Econ. Business conditions; national income and product; consumer credit. Publ: Some factors in the growth of consumer credit, J. Finance; Four decades of shareholder profits data, Financial Anal. J., 7-8/64. Address: 87 Highfield Ave, Port Washington, N.Y. 11050.
- LEWIS, DR. ROBERT F(RANK), *Biomet.*, see 11th ed, *Phys. & Biol. Vols. & Suppl. IV*
- LEWIS, PROF. ROBERT T(URNER), b. Taft, Calif., June 17, 23; m. 46; c. 3. *CLINICAL PSYCHOLOGY*. A.B., Southern California, 47, A.M., 50; Ph.D. (clin. psychol.), Denver, 52. From asst. to instr., Denver, 51-52; from asst. prof. to assoc. prof. *PSYCHOL.*, CALIF. STATE COL., LOS ANGELES, 52-65, PROF., 65- Psychologist, psychiat. clin., Hollywood Presby. Hosp., Calif., 52-55, chief psychologist, 55-58; private practice, 57-; dir. psychol. serv., Salvation Army Rehab. Center, 60-67. Consult. psychologist, Big Sister League, Calif., 54-55. U.S.N.R., 43-46, Lt.(jg). Psychol. Asn; Soc. Prof. Tech. Psychotherapy; projective testing; alcoholism. Publ: Co-auth., Improvement in psychotherapy, a function of therapy methods and performance measures & Psychology of abnormal behavior. Address: Dept. of Psychology, California State College at Los Angeles, 5151 State College Dr, Los Angeles, Calif. 90032.
- LEWIS, DR. RONALD J, b. Windsor, Ont., Oct. 24, 28; U.S. citizen; m. 50; c. 3. *BUSINESS ADMINISTRATION, ECONOMICS*. B.A., Wayne State, 51, M.A., 58; Ph.D.(acct. finance, econ), Mich. State, 65. Sr. sales rep., Burrough Corp., Mich., 52-56; analyst budget & cost, Ford Motor Co., 56-58; asst. prof. econ. & bus. admin., Hartwick Col., 58-64; asst. instr. soc. sci., Mich. State, 64-65; ASSOC. PROF. BUS. & ACTING DEAN SCH. BUS., NORTHERN MICHIGAN, 65- Am. Acct. Asn; Soc. Adv. Mgt.; Econ. Asn. Physical distribution and cost accounting; location of industries. Publ: Strengthening control of physical distribution costs, Mgt. Serv., 1-2/68. Address: School of Business, Northern Michigan University, Marquette, Mich. 49855.
- LEWIS, DR. STEPHEN R, JR, b. Englewood, N.J., Feb. 11, 39; m. 61; c. 3. *ECONOMICS*. B.A., Williams Col., 60; Danforth Found. fel. & M.A., Stanford, 62, Ford Found. fel. & Ph.D.(econ), 63. Instr. econ., Stanford, 62-63; res. adv., Pakistan Inst. Develop. Econ., Karachi, 63-65; asst. prof. econ. & res. assoc., center int. affairs, Harvard, 65-66; asst. prof. econ. & dir. res. develop. econ., WILLIAMS COL., 66-68, ASSOC. PROF. ECON. & PROVOST, 68- Consult., Int. Bank Reconstruct. & Develop., 66-; Orgn. Econ. Coop. & Develop., 66-; summer consult., econ. growth center, Stanford, 65. AAAS; Econ. Asn; Nat. Tax Asn. Economic development, particularly problems of fiscal monetary and exchange rate policy and their effects on the rate and structure of economic growth and interrelations between agricultural and industrial development. Publ: Economic policy and industrial growth in Pakistan, Allen & Unwin, 68; Agricultural taxation in a developing country, In: Agricultural development and economic growth, Cornell, 67; Effects of trade policy on domestic relative prices: Pakistan, 1951-1964, Am. Econ. Rev., 3/68. Address: Dept. of Economics, Williams College, Williamstown, Mass. 01267.
- LEWIS, PROF. THOMAS M. N, *Anthrop.*, see 10th ed, *Soc. & Behav. Vols.*
- LEWIS, PROF. VERL S(AMUEL), b. S.Dak., May 24, 10; m. 41; c. 3. *SOCIAL SCIENCE*. M.A., Chicago, 39; D.S.W., Western Reserve, 54. Field instr., soc. welfare, California, 47-49; asst. prof. SOC. WORK, Oregon, 49-54; from asst. prof. to prof., Connecticut, 54-60; PROF., MARYLAND, 60-, dean sch. soc. work, 60-67, Dir., Coun. Soc. Work Ed., 61-63. Pub. Welfare Asn. Social welfare history; administration of social services. Publ: Development of charity organization in United States, 1875-1900; Do program instruments serving child welfare reflect the highest level of knowledge, In: Basis issues in coordinating family and child welfare programs; Stephen Humphreys Gurteen and the American origins of charity organization, Soc. Serv. Rev., 6/66. Address: 525 W. Redwood St, Baltimore, Md. 21201.
- LEWIS, DR. WILBERT W, b. Neodesha, Kans., July 17, 27; m. 48; c. 3. *PSYCHOLOGY, SPECIAL EDUCATION*. A.B., Baker, 49; M.Ed., Kansas, 53; Ed.D.(psychol.), George Peabody Col., 59. Teacher, Boys Indust. Sch., Kans., 49-51; psychometrist, Guid. Bur., Univ. Kansas, 51-53; sch. psychologist, Kans. State Dept. Ed., 53-55; res. psychologist, col. med., Tennessee, 57-59; asst. prof. ed., Wisconsin, 59-61; chief assessment, selection div., Peace Corps, D.C., 61-62; DIR. RES. & TRAINING PROJ. RE-ED. & DIR. RES. GROUP BEHAV. DISORDER, GEORGE PEABODY COL., 62- Coun. Except. Children, Coun. Children Behav. Disorders. Publ: Project Re-Ed: Education intervention in emotional disturbance, In: Educational Therapy, Spec. Child, 66; Continuity and intervention in emotional disturbance: a review, Except. Children, 65; Project Re-Education—a new program for the emotionally disturbed child, High Sch. J., 66. Address: Dept. of Psychology, George Peabody College for Teachers, Box 319, Nashville, Tenn. 37203.
- LEWIS, DR. WILLARD ADOLPH, b. Brooklyn, N.Y., Apr. 14, 14; m. 41; c. 1. *POLITICAL SCIENCE, ECONOMICS*. A.B., N.Y. Univ., 34, LL.B., 39, Ph.D. (indust. rels.), 61; A.M., Columbia, 50. Attorney & couns. at law, Off. Henry Mayer, Esquire, New York, 41-48; asst. to gen. counsel, Int. Ladies Garment Workers Union, 48-51; enforcement attorney, U.S. Wage Stabilization Bd., 51-53; attorney & couns. at law, 53-55; dir. employee rels., Greer Hydraulics, Inc., 55-56; instr. MGT. & INDUST. RELS. SCH. COMMERCE, N.Y. UNIV., 56-62, asst. prof., 62-65, ASSOC. PROF., 65- Res. assoc., W.E. Upjohn Inst. Employ. Res., Kalamazoo, Mich., 62-65. A.U.S., 41-45, Sgt. Acad. Polit. Sci.; Acad. Mgt.; Indust. Rel. Res. Asn; Arbit. Asn; Soc. Legal Hist. Labor dispute disqualification under unemployment insurance laws; labor arbitration; collective bargaining; industrial and personnel relations. Publ: Unemployment compensation in labor disputes—Michigan compared with seven selected states, 1936-1964, W.E. Upjohn Inst. Employ. Res., 64; The statutory language of labor dispute disqualification in state employment laws, Polit. Sci. Quart., 3/67; The concept of labor dispute in state unemployment insurance laws, Boston Col. Indust. & Commercial Law Rev., fall 66. Address: Dept. of Management & Industrial Relations, New York University School of Commerce, Washington Square, New York, N.Y. 10003.
- LEWIS, PROF. WILLIAM A(NDREW), b. Harrisburg, Ill., Oct. 4, 24; m. 54; c. 2. *COUNSELING PSYCHOLOGY*. B.S., Illinois, 49, M.S., 53; Ed.D., 57. Teacher & couns., high schs., Ill., 49-53, 56-58, dir. grad., 58-62; trainee psychol., Vet. Admin. Hosp., Danville, Ill., 54-56; ASSOC. PROF. ED., MISSOURI, KANSAS CITY, 62- U.S.A., 43-46. Psychol. Asn; Personnel & Guid. Asn. Methods of communicating interpersonal understanding and feeling; relationship of the effectiveness of communication to emotional adjustment. Publ: Emotional adjustment and need satisfaction of hospital patients, J. Counseling Psychol.; sr. co-auth., Interpersonal understanding and assumed similarity, 10/64 & Interpersonal relationship and pupil progress, 12/65, Personnel & Guid. J. Address: School of Education, University of Missouri at Kansas City, Kansas City, Mo. 64110.

- LEWIS, WILLIAM B (ARRON), b. Duncan, Okla., Apr. 19, 28; m. 57; c. 5. PSYCHOLOGY. B.A., Southern California, 49; M.A., Claremont Colls, 51; Oregon, 51-52. Counsr., Los Angeles County Crippled Childrens Soc, 50; asst. psychol., Oregon, 51-52; intern clin. psychol., State Dept. Ment. Health, Calif., Pac. State Hosp, 52; instr. psychol., Palomar Col, 55; clin. psychologist, CALIF. YOUTH AUTHORITY, PASO ROBLES SCH. BOYS, 56-61, SUPVR. SPEC. TREATMENT, 61- Consult, job corps staff training prog, California, Berkeley, 65- Calif. Youth Authority award, 59. U.S.N.R., 52-56, Lt. Treatment and treatment programs in the rehabilitation of delinquent youth; psychotherapies; psychodiagnostics. Publ: Paso Robles pioneer treatment program, Calif. Youth Authority Quart; Art as a gauge of psychotherapeutic progress, *Ars Gratia Hominis*, 10/64; The role of group counseling in a wholesome group living program, *Soc. Welfare Ext. Univ. California*, 1/66. Address: Paso Robles School for Boys, Paso Robles, Calif. 93446.
- LEWIS, PROF. WILLIAM DRAYTON, b. Kansas City, Mo., Aug. 26, 01; m. 26; c. 1. PSYCHOLOGY. A.B., Westminster Col, 23; M.A., Wisconsin, 25; fel. Chicago; Ph.D. (psychol.), Peabody Col, 39. Instr. hist. Westminster Col, 23-24; prin. Stuart Robinson Sch, Ky, 25-29; prof. PSYCHOL., Ark. Col, 31-33; instr. Peabody Col, 39; PROF., Murray State Col, 39-46; SOUTHWESTERN LOUISIANA, 47- AAAS; fel. Psychol. Assn. Gifted children. Publ: Study of superior children in the elementary school; Some characteristics of very superior children; Some characteristics of children designated as mentally retarded, as problem and as geniuses by teachers. Address: Box 463, University of Southwestern Louisiana Station, Lafayette, La. 70501.
- LEWIS, DR. WILLIAM H (UBERT), b. New York, N.Y., June 4, 28; m. 49. ANTHROPOLOGY. B.A., George Washington, 51, M.A., 53; scholar, Hopkins, 54; Ford Found. fel, 58-59; Ph.D., American Univ, 60. Res. officer & dir. bur. res. anal., U.S. Dept. State, 52-60; prof. lectr. hist. Georgetown, 60-65; vis. prof. POLIT. SCI., Michigan, 65-66; ASSOC. PROF., GEORGE WASHINGTON, 66-; MEM. STAFF POLICY PLANNING, INT. SECURITY AFFAIRS, OFF. SECY. DEFENSE, 67- Vis. lectr. for. serv. inst., U.S. Dept. State, 56-61, guest lectr., 66-; Morocco, 58-59; vis. lectr., Boston & Notre Dame, 60-61; prof. lectr., American Univ, 60-61. Mem. Inter-Agency Sub-cmt. Africa For. Affairs Res, 66- Ref. African Studies Assn; fel. Mid. East Studies Assn; fel. Polit. Sci. Assn. Basic socio-political research in Africa, especially the processes of social change and their impact upon political institutions, structures and collectivities. Publ: Co-auth., Communism and revolution, Princeton, 64, French-speaking Africa: the search for identity, Walker, 65 & Islam in Africa, Van Nostrand, 67. Address: Policy Planning Staff, International Security Affairs, Dept. of Defense, Washington, D.C. 20013.
- LEWIS, PROF. WILLIAM J, b. Twin Groves, Idaho, Sept. 22, 23; m. 46; c. 4. SPEECH. B.A., Brigham Young, 47; New Mexico, 43-44; M.A., Northwestern, 48; fel. & Ph.D., Florida, 55; San Francisco State Col, 67-68. Instr. dramatic art & speech, Ohio, 48-51; SPEECH, Pa. State, 53-54; PROF., VERMONT, 54- U.S.N., 43-46, Lt. Speech Assn. Am. Broadcasting; communications; general semantics. Publ: Educational television for Vermont, Univ. Vermont, 62. Address: Dept. of Speech, University of Vermont, Burlington, Vt. 05401.
- LEWIT, DR. DAVID LOWENTHAL, b. New York, N.Y., Aug. 2, 26; m. 53; c. 2. PSYCHOLOGY, SOCIAL PSYCHOLOGY. B.A., Princeton, 49; M.A., Stanford, 51; Ford Found. fel., Minnesota, 52-56, Ph.D. (psychol.), 57. Res. assoc. mgt. counseling, Nejedski & Co., N.Y., 51-52; res. asst. psychol., Minnesota, 52-56; from instr. to asst. prof., Massachusetts, Amherst, 56-63; vis. asst. prof., N.Y. Univ., 63-64; U.S. Pub. Health Serv. res. fel. soc. psychol. inst. soc. res., Michigan, 64-65, res. assoc., 65-67; ASSOC. PROF. PSYCHOL., HAWAII, 67- Nat. Inst. Ment. Health res. grants, 60-62 & 63-65; Nat. Sci. Found. res. grant, 65-67. U.S.N., 44-46. Am. Psychol. Assn; Interam. Soc. Psychol. Cross-racial communication; behavior in groups; political attitudes. Publ: Externalization in perceptual defense, J. Abnorm. & Soc. Psychol., 62; Who conforms to whom?, 66 & Racial contact, personality and group problem solving, 67, Am. Psychologist. Address: Dept. of Psychology, University of Hawaii, Honolulu, Hawaii 96822.
- LEWIT, SARAH (MRS. CHRISTOPHER TIETZE), b. St. Petersburg, Russia, Aug. 7, 12; nat; m. 51. ECONOMICS. B.A., Brooklyn Col, 32. Anal. statistician demog., Nat. Off. Vital Statist., U.S. Pub. Health Serv, 46-58; res. assoc., Nat. Cmt. Maternal Health, 58-67; RES. ASSOC., BIO-MED. DIV., POP. COUN., 67- Pop. Assn. Marriage and divorce statistics; vital statistics; family studies. Publ: Co-ed., Advances in planned parenthood, 65-68; co-auth., Comparison of three contraceptive methods, J. Sex Res, 67 & Men with vasectomies, J. Psychosom. Med, 67. Address: Bio-Medical Division, Population Council, 160 E. 88th St, New York, N.Y. 10029.
- LEWTHWAITE, PROF. GORDON R (OWLAND), b. Oamaru, N.Z., Aug. 12, 25; m. 53; c. 2. GEOGRAPHY. B.A., Univ. Canterbury, N.Z., 46, M.A., 47; M.A., Auckland, N.Z., 49; Fulbright scholar, 50; Knapp fel., Wisconsin, 51-52, univ. fel., 52-53, Ph.D. (geog.), 56. Instr. GEOG., Oklahoma, 53-54; lectr., Univ. Auckland, 55-59; from asst. prof. to PROF., SAN FERNANDO VALLEY STATE COL, 59- Wenner-Gren Found. Anthropol. Res. grant res. hist. geog. Maori, N.Z., 63-; vis. prof., British Columbia, 66-67. Fel. Am. Geog. Soc; Assn. Am. Geog; N.Z. Geog. Soc. (asst. ed., jour, 56-59); Polynesian Soc., N.Z. Contemporary and historical geography of the Pacific area, especially New Zealand and Polynesia; geography of the dairy industry in the United States Midwest and in New Zealand; history of geography. Publ: Wisconsin and the Waikato: a comparison of dairy farming in the United States and New Zealand, 3/64 & Environmentalism and determinism, 3/66, Ann. Assn. Am. Geog; Geographical knowledge of the Pacific peoples, In: The Pacific Basin, Am. Geog. Soc, 67. Address: Dept. of Geography, San Fernando Valley State College, 18111 Nordhoff St, Northridge, Calif. 91324.
- LEWY, PROF. GUENTER, b. Breslau, Germany, Aug. 22, 23; nat; m. 50; c. 2. POLITICAL SCIENCE & PHILOSOPHY. B.S.S., City Col. New York, 51; M.S., Columbia, 52, Soc. Sci. Res. Coun. fel., 56-57, Ph.D., 57. Instr. GOVT., Columbia, 53-56; asst. prof., Smith Col, 57-63; assoc. prof., MASSACHUSETTS, 64-66, PROF., 66- Soc. Sci. Res. Coun. faculty res. fel., Smith Col, 61-62; Rockefeller Found. fel., 63-64. British Army, 42-46, Sgt. Polit. Sci. Assn; Soc. Polit. & Legal Philos. Political theory, especially problems of church and state. Publ: Constitutionalism and statecraft during the golden age of Spain: study of the political philosophy of Juan de Mariana, S.J.; Catholic church and Nazi Germany, McGraw, 64. Address: 64 Harrison Ave, Northampton, Mass. 01060.
- LEYBURN, PROF. JAMES G (RAHAM), b. Hedgesville, W.Va., Jan. 17, 02. SOCIOLOGY. A.B., Duke, 20, A.M., 21, LL.D., Duke, 62; A.M., Princeton, 22; Ph.D., Yale, 27. Prof. econ. & sociol., Hollins Col, 22-24; instr. econ. & soc. insts., Princeton, 24-25; from instr. to prof. sociol., Yale, 27-47, fel., Pierson Col, 33-47; PROF. SOCIOL., WASHINGTON & LEE, 47-, dean, 47-56. Chief mission officer, Lend-Lease Admin., S. Africa, 43-44. Sociol. Assn; Anthropol. Assn. Publ: Frontier folkways; Haitian people; The Scotch-Irish: a social history. Address: 30 University Place, Lexington, Va. 24450.
- LEYZOREK, DR. M (ICHAEL), b. Poland, Oct. 26, 19; nat; m. 43; c. 1. OPERATIONS RESEARCH. B.S., City Col. New York, 42; M.A., Hopkins, 49, Ph.D. (exp. psychol.), 51. V-pres., Psychol. Counseling, Inc., Fla., 46-47; asst. human eng. res., Hopkins, 47-51, chmn. proj., Ops. Res. Off., 51-54; res. psychologist, Naval Res. Lab. Radio Div. III, D.C., 51; sr. res. assoc., ops. res. group, Case, 54-57, assoc. prof., elec. eng. dept., 59-61; mgr. admin. serv. div., Arthur Andersen & Co., Ohio & Mich., 57-58; dir. intel. syst. div., Broadview Res. Corp., D.C., 59-60; nat. mgr. ops. res., Arthur Young & Co., 61-64; independent consult., govt. & indust., 64-66; DIR. OPERS. RES. MERCK & CO., RAHWAY, N.J., 66- Consult., Abbott Labs, Ill. & Chrysler Corp., Mich., 59-61, U.S.A.A.F., 42-46. Fel. AAAS; Psychol. Assn; Ops. Res. Soc; Inst. Aeronaut. & Astronaut; Inst. Mgt. Sci. Systems analysis; management information systems; economic and engineering simulation. Publ: Accuracy of visual interpolation between circular scale markers as a function of the separation between markers & Two-point discrimination in visual space as a function of the temporal interval between the stimuli, J. Exp. Psychol; What can operations research do for product planning and development?, J. Ops. Res. Soc. Am. Abstracts, 5/63. Address: 25 N. Washington St, Port Washington, N.Y. 11050.
- LeZAK, DR. RAYMOND J (OSEPH), b. Detroit, Mich., Nov. 1, 25; m. 50; c. 2. SPEECH PATHOLOGY, AUDIOLOGY. B.A., Michigan, 51, M.A., 52; Am. Found. Blind scholar, Syracuse, 57; D.Ed., Pa. State, 61. Hearing consult., bur. maternal & child health, Mich. Dept. Health, 51-52; speech & hearing therapist, regional speech & hearing center, Pa. State Univ, 52-53, dir. & audiologist, 53-59; assoc. prof. speech ed., State Univ. N.Y. Col. Genesee & assoc. dir. speech & hearing clin., 59-62; chief speech & audiol. dept., Highland View Hosp., Cleveland, Ohio, 62-67; DIR. DEPT. CLIN. AUDIOL., CLEVELAND HEARING & SPEECH CENTER, 67- Lectr., Case Western Reserve, 62-63, assoc., 66-67, asst. prof. & res. assoc., 67-; asst. prof., Kent State, 64-66. Mem. audiol. adv. cmt., Pa. Dept. Health, 55-57. U.S.M.C., 43-46. Speech & Hearing Assn; Acoustical Soc; Alex. Graham Bell Assn. for Deaf. Experimental psychology; materials and testing techniques in hearing problems; language disorders; comparative sensory discrimination in animals and humans; industrial audiology; electromyographic techniques and respiration. Publ: Bekesy audiometry for speech reception test, J. Auditory Res, 4: 181-189; On hearing in multiple sclerosis, Ann. Otol., Rhinol. & Laryngol, 75: 1102-1110; co-auth., Temporal tone discrimination in auditory agnosia and aphasic states, Trans. Am. Neurol. Assn, 66. Address: Dept. of Clinical Audiology, Cleveland Hearing & Speech Center, 11206 Euclid Ave, Cleveland, Ohio 44106.
- LI, PROF. C (HOH-) M (ING), b. China, Feb. 17, 12; nat; m. 38; c. 3. ECONOMICS. B.S., California, 32, M.A., 33, fel., 35-36, Ph.D. (econ), 36; LL.D., Michigan, 67, Hong Kong, 67. Prof. econ., Nankai, China, 37-43; dep. dir. gen. Chinese Nat. Relief & Rehab. Admin., Nat. Govt. China, 45-47, chief Chinese del., UN Econ. Cmn. Asia & Far East, 47-49; chmn. bd. trustees, rehab. affairs, Nat. Govt. China, 48-50; lectr., sch. bus. admin., CALIFORNIA, BERKELEY, 50-52, assoc. prof. BUS. ADMIN., 53-58, PROF., 58-, chmn. center Chinese studies, 61-63. Vis. prof., sch. econ., Stockholm, 60; v.chancellor, Chinese Univ. Hong Kong, 63- Commander, Order Brit. Empire. Am. Econ. Assn; Assn. Asian Studies; Royal Econ. Soc. International trade and finance; development of underdeveloped areas. Publ: Economic development of Communist China; The statistical system of Communist China; ed., Industrial development in Communist China, Praeger, 64. Address: School of Business Administration, University of California, Berkeley, Calif. 94704.
- LI, PROF. DAVID H (SIANG-FU), b. Ningpo, China, Oct. 7, 28. ECONOMICS. B.A., St. John's (China), 49; M.B.A., Pennsylvania, 50; fel. & Ph.D. (acct), Illinois, 53. Res. statistician & controller, Mutual of Omaha, 53-55; assoc. prof. econ., St. Mary's Col. (Minn.), 55-56; asst. prof. ACCT., Southern California, 56-60; PROF., Calif. State Col. Fullerton, 60-65; WASHINGTON (SEATTLE), 65- Vis. prof., Chinese Univ. Hong Kong, 67-69. Summers, Westinghouse Elec. Corp. prof. res. fel., 57, Found. Econ. Ed. fel., 67. Consult. comptroller, Int. Commun. Found., 61-62. Am. Acct. Assn; Hong Kong Mgt. Assn. International comparability of accounting and productivity data; management accounting; computerized management information systems. Publ: Accounting for management analysis, 64 & Cost accounting for management applications, 66, C.E. Merrill; Accounting/computers/management information systems, McGraw, 68. Address: Graduate School of Business Administration, University of Washington, Seattle, Wash. 98105.
- LI, DR. FANG-KUEI, b. Canton, China, Aug. 20, 02; nat; m. 32; c. 3. ANTHROPOLOGY, LINGUISTICS. A.B., Michigan, 26; M.A., Chicago, 27, Ph.D. (ling), 28. Fel. ling. inst. hist. & philol., Academia Sinica, China, 30-45; vis. lectr. Oriental lang., Harvard, 46-48; Chinese ling., WASHINGTON (SEATTLE), 49-50, PROF. CHINESE LING. & ANTHROPOL., 50- Vis. prof., Yale, 37-39, 48-49 & 60; Yenching Univ., China, 42-45; Hawaii, 67-68, specialist, East West Center, 67-68. Oriental Soc. (v-pres., 67-68); Assn. Asian Studies; Acad. Sinica, China. Chinese, Tai, Tibetan and American Indian linguistics. Address: Dept. of Far Eastern Languages & Literature, University of Washington College of Arts & Sciences, Seattle, Wash. 98105.
- LI, DR. JEROME CHING REN, Statist, see 11th ed, Phys. & Biol. Vols.
- LI, DR. TZE-CHUNG, b. Shanghai, China, Feb. 17, 27; m. 61; c. 2. POLITICAL SCIENCE. LL.B., Soochow Univ. Law Col, 48; LL.M., Southern Methodist, 57; LL.M., Harvard, 58; Ph.D. (polit. sci.), New Sch. Soc. Res, 63; M.S.,

Columbia, 65. Dist. judge, Hualien Dist. Court, 49-51; div. head, law dept, Ministry Nat. Defense, 51-56; v-pres. finance, Atlantic Fiscal Corp, New York, 62-64; ASST. PROF. library sci, Illinois State, 65-66; POLIT. SCI. & LIBRARY SCI, ROSARY COL, 66- Res. fel, Chinese Res. Inst. Land Econ, Taipei, 51-53; lectr, Qm. Sch. Finance Sch. & Judge-Advocate Sch, Taipei, 55-56; China Found. travel & pub. grants, 65 & 67. Legal adv, Sino-Am. Cmt. Negotiation Mtl. Agreements, Taipei, 55. Library Asn; Polit. Sci. Asn; Am. Asian Studies; Soc. Int. Law; Chinese Lang. Teachers Assn. Library science; international law and relations; American government; reference; Chinese government. Publ: Legal status of military personnel, 53 & A treatise on military law, 55, Far East. Pub. Co; List of doctoral dissertations by Chinese students in the United States, Chinese Ed. Found, Chicago, 67. Address: Rosary College, River Forest, Ill. 60305.

LIANG, PROF. WEI K, b. Shantung, China, May 18, 20; nat; m. 49; c. 2. ECONOMICS, MANAGEMENT. B.A. Peking, 40; M.B.A. Pennsylvania, 46, Ph.D.(econ), 65. Asst. prof. mgt, Ga. Inst. Tech, 64-65; assoc. prof. econ, Pa. State Col, 65-66; PROF. ECON. & MGT, LOWELL TECH. INST, 66-Econ. in Action fel, Case Western Reserve, summer 68. Labor consult. to govt. & indust, 62. Econ. Asn; Indust. Rels. Res. Asn. Toward an institutional theory of wage; unionism; Christianity and capitalism. Address: 18 Blue Ridge Rd, Cranston, R.I. 02920.

LIAUGMINAS, PROF. ALBIN, b. Laizuva, Lithuania, June 10, 07; nat; m. 38; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. Kaunas, Lithuania, 34, M.A. 35; Paris, 34-35; Inst. des Sciences de l'Educat, Switz, 35-36; Ph.D. Geneva, 39; hon. D.Habil, Vilnius, Lithuania, 42. Lectr. psychol. Ed. Inst, Memel, Lithuania, 38-39; asst. prof. psychol. & philos, Ed. Inst, Wilna, 39-41, pres, 41-44; asst. prof. psychol. & ed, Vilnius, 42-44; prof. psychol. & philos, Univ. of the Andes, Colombia, 49-50; psychol, Nat. Univ. Colombia, 51-55; ASST. PROF. MODERN LANG, LOYOLA (ILL), 55- Prof. Pontifical Javeriana Univ, Colombia, 49-54; Inst. Appl. Psychol, Bogota 52-55. Psychol. Asn. Moral judgement in children; the drawings of children and primitive man; depth psychology; aetiology and prevention of emotional disorders. Publ: L'Enseignement de la morale; General intelligence tests' scales; contrib, Lithuanian Encyclop. Address: 23 N. Home Ave, Park Ridge, Ill. 60068.

LIBAW, PROF. FRIEDA BORNSTON, b. Erie, Pa, Nov. 22, 19; m. 56; c. 1. PSYCHOLOGY. A.B. California, Los Angeles, 42; A.M. Southern California, 50, Ph.D.(psychol), 61. Lab. technologist, Hyland & Williams Labs, Los Angeles County Health Dept, 43-49; instr. PSYCHOL, eve. div, Los Angeles City Col, 49-57; res. supvr, California, Los Angeles, 58-60; EXEC. DIR. PSYCHOL. RES, GALTON INST, 61-ED. PERCEPTUAL-COGNITIVE DEVELOP, 65- Supv. teacher & res. assoc, California, Los Angeles, 53-55; U.S. Pub. Health Serv. res. fel, 59-60; asst. prof, Los Angeles State Col, 61-67. AAAS; Psychol. Asn; Nat. Asn. Gifted Children; Asn. Res. Growth Rels; Soc. Info. Sci; Soc. Res. Child Develop. Development of perceptual, cognitive and creative behavior; processing of information to facilitate transfer and use of scientific knowledge. Publ: Co-auth, Success in college, 2nd ed, Scott-Foresman, 67; auth, Further study of perceptual factors in reading disability; Information handling in the behavioral sciences, Am. Behav. Scientist, 2/67. Address: Galton Inst, P.O. Box 35336, Preuss Station, Los Angeles, Calif. 90035.

LIBBY, PROF. DOROTHY, b. Honolulu, Hawaii, Nov. 22, 23; div. ANTHROPOLOGY. A.B. California, 46, Ph.D.(anthrop), 52. Res. analyst, U.S. Govt, D.C. 52-55; res. assoc, Great Lakes-Ohio Valley Res. Proj, Univ. Indiana, 57-64; asst. prof. ANTHROP, Vassar Col, 64-67; PROF. CALIF. STATE COL. LONG BEACH, 67- Fel. AAAS; fel. Anthropol. Asn; Soc. Am. Archaeol; Ethnol. Soc; Far-East. Prehist. Asn; Am. Indian Ethnol. Conf. (pres, 60, ed, Newsletter, 61-). Northern Asian and northern North American cultures and cultural relationships; use of historical approaches to cultural materials and problems. Publ: Three hundred years of Chukchi ethnic identity, in: Selected papers of the Fifth International Congress of Anthropological and Ethnological Sciences; co-auth, Indians of North America, Indiana Pub. Anthropol. & Ling. Address: Dept. of Anthropology, California State College at Long Beach, Long Beach, Calif. 90804.

LIBBY, J(AMES) E(DWARD) P(AGET), Psychol, Statist, see 10th ed, Soc. & Behav. Vols.

LIBBY, DR. WILLIAM, b. Madison, Wis, Oct. 11, 26. PSYCHOLOGY. A.B. Harvard, 48, M.B.A. Chicago, 58, Ph.D.(soc. psychol), 64. Economist, U.S. Mil. Govt, Germany, 48-50; asst. mgr, Swift & Co, Chicago, Havana & Santiago de Cuba, 53-56; res. asst. orgn. theory, Chicago, 57-62, res. assoc. innovative behav, 61-62, ed. psychol, 63-65; ASST. PROF. ED. & DEVELOP. PSYCHOL, OHIO STATE, 65- U.S.A. 51-52. Psychol. Asn; Soc. Res. Child Develop. Social and educational psychology, especially cognition, including problem-solving, attention, creativity and individual differences and group processes, especially person perception. Publ: Tools for the discovery of problems and their solutions (heuristics), Center Program in Govt. Admin, Univ. Chicago, 61; co-auth, Status mobility and reactions to deviance and subsequent conformity, Sociometry, 64. Address: Dept. of Psychology, Ohio State University, Columbus, Ohio 43210.

LIBERMAN, DR. ALVIN MEYER, b. St. Joseph, Mo, May 10, 17; m. 41; c. 3. PSYCHOLOGY. A.B. Missouri, 38, M.A. 39; Ph.D.(psychol), Yale, 43. Instr. psychol, Yale, 42-46, mem. staff, aero med. res. unit, 42-44; asst. prof. PSYCHOL, Wesleyan, 46-49; from asst. prof. to PROF. & HEAD DEPT, CONNECTICUT, 49- Fel, Center Adv. Study Behav. Sci. & U.S. Pub. Health Serv. res. fel, 64-65; Guggenheim summer fells, 64 & 65; prof. adj. ling, Yale, 68- Res. consult, Haskins Labs, N.Y. 44- Fel. Acoustical Soc; fel. Psychol. Asn. Psychology of language; perception and production of speech. Publ: Some results of research on speech perception, J. Acoustical Soc. Am; co-auth, Role of consonant-vowel transitions in the perception of the stop and nasal consonants, Psychol. Monogr. & Perception of the speech code, Psychol. Rev, 67. Address: Dept. of Psychology, University of Connecticut, Storrs, Conn. 06268.

LIBERMAN, DR. ROBERT, b. Newark, N.J, Aug. 18, 37; m. 61; c. 2. SOCIAL PSYCHIATRY, EXPERIMENTAL PSYCHOLOGY. A.B. Dartmouth Col, 59;

dipl. med, Dartmouth Med. Sch, 60; Nat. Inst. Ment. Health & M.S, California, 61; M.D. Hopkins, 63. Intern internal med, Bronx Munic. Hosp. Center, Einstein Col. Med, 63-64; RES. SCIENTIST MENT. HEALTH, NAT. INST. MENT. HEALTH, 64-, res. grant, 67-68. Resident, Mass. Ment. Health Center, 64-87; teaching fel. psychiat, Harvard Med. Sch, 64-68 & soc. psychiatrist, 68-68. Consult, N.H. Dept. Ment. Health, 67. Harry Solomon prize, Mass. Ment. Health Center, 68. U.S.P.H.S. 64-, Surg. Psychiat. Asn; Sociol. Asn; Asn. Adv. Behav. Therapies. Psychopharmacology, placebo research; social psychiatry, pathway to the mental hospital; behavioral approaches to psychiatric problems. Publ: Experimental study of the placebo response under three different conditions of pain, J. Psychiat. Res, 2: 233-245; Personal influence in the choice of mental health resources, Human Orgn, 24: 231-235; Overview of behavior modification programs in California, Behav. Res. & Ther, 68. Address: Behavioral Sciences Research Center, St. Elizabeth's Hospital, Washington, D.C. 20032.

LIBO, DR. LESTER M(ARTIN), b. Chicago, Ill, Sept. 18, 23; m. 63; c. 3. PSYCHOLOGY. A.M. Stanford, 48, Ph.D.(psychol), 51. Intern clin. psychol, Vet. Admin, 47-50; res. assoc. psychol, res. center group dynamics, Michigan, 50-53; asst. prof. med. psychol, sch. med. & chief psychologist, psychiatrist, inst. univ. hosp, Maryland, 53-57; dir, div. ment. health, State Health Dept, N.Mex, 57-62; ASSOC. PROF. PSYCHIAT. & DIR. BEHAV. SCI. PROG, SCH. MED, NEW MEXICO, 63- Vis. lectr, Hopkins, 55-56; chief assessment officer, Peace Corps Training Center, Univ. New Mexico, 63-64; planning coordinator, Albuquerque Community Ment. Health-Ment. Retardation Center, 65-67. Consult, Donna Ana Ment. Health Serv, Las Cruces, 64- Mem. West. Ment. Health Coun, West. Interstate Cm. Higher Ed, 62-65; chmn, Annual Conf. Chief Psychologists in State Ment. Health Progs, 63-64; mem. rev. cmt. ment. health proj. grants, Nat. Inst. Ment. Health, 63-66. U.S.A. 43-46. Fel. Psychol. Asn. Community mental health; psychotherapy process; social psychology. Publ: Projective expression of patient-therapist attraction, J. Clin. Psychol; Multiple functions for psychologists in community consultation, Am. Psychologist, 66; co-auth, Developing mental health programs in areas lacking professional facilities; the community consultant approach in New Mexico, Community Ment. Health J, 66. Address: Dept. of Psychiatry, School of Medicine, University of New Mexico, Albuquerque, N.Mex. 87106.

LIBO, DR. SHIRLEY S(IMS), b. San Antonio, Tex, Aug. 8, 27; m. 63. CLINICAL PSYCHOLOGY. A.B. Vassar, 47; A.M. Michigan, 50, Ph.D. 60. Instr. psychol, Michigan, 51-52, clin. psychologist, neuropsychiat. inst. med. center, 52-56, chief psychologist, adolescent unit, 56-61; chief psychologist, Sinai Hosp. Detroit, 61-63; field assessment officer, Peace Corps Training Prog. Latin Am, NEW MEXICO, 66-67, INSTR. CLIN. PSYCHOL. & NEUROL, CONVULSIVE DISORDER UNIT, SCH. MED, 67- Psychol. Asn. Diagnosis and psychotherapy, especially with adolescents; projective techniques; neuropsychology. Publ: Clinical psychologist's role in the psychiatric service of a general hospital, Sinai Hosp. Bull. Address: 2807 San Mateo Blvd. N.E., Albuquerque, N.Mex. 87110.

LIBRESCO, DR. EMILE, b. New York, N.Y, May 29, 22; m. 47; c. 3. PSYCHOLOGY, INDUSTRIAL RELATIONS. B.S. City Col. New York, 42; M.A. Columbia, 47, Ed.D.(soc. psychol), 60; N.Y. Univ. & Williams Alanson White Sch. Psychiat, 47-52. Economist, for. funds control, U.S. Dept. Treas, D.C. 42-43; counsr. rehab, U.S. Vet. Admin, N.Y. 45-47; asst. prof. indust. rels, Vermont, 47-48; mgt. consult, Krug Baking Co, N.Y. 48-50, psychologist & dir. indust. rels, 50-53; dir. indust. rels, Gen. Baking Co, N.Y. 53-58; mgt. consult, N.Y. 58-60; asst. to gen. mgr, Hunt Foods & Indus, Inc, 60-64, v-pres, 64-66; v-pres. & gen. mgr, AM. CAN CO, NEW YORK, 66-68, SR. V.PRES, 68- Lectr. & instr, City Col. New York, N.Y. Univ, Pace Col. & California, 48-61; lectr, California Exten. Div, 61-62, California, Irvine, 66-67. U.S.A.A.F, 43-45, Res, 45-55, 1st Lt. Psychol. Asn; Orthopsychiat. Asn; fel. Soc. Appl. Anthropol; Soc. Proj. Tech; Arbit. Asn. Industrial and clinical psychology; psychology of industrial organizations; group psychotherapy; projective techniques. Address: Box 247, Greens Farms, Conn. 06436.

LICCIONE, DR. JOHN V(ICTOR), b. Syracuse, N.Y, Feb. 18, 26; m. 49; c. 5. PSYCHOLOGY. A.B. Syracuse, 48, M.S. 52, Ph.D.(psychol), 54. Res. fel, Nat. Inst. Ment. Health, 52-53; coordinator prfln. serv. & staff psychologist, Marquette, 54-55, dir. guid. center & instr, sch. med. 55-58, asst. prof. psychol. & clin. psychologist, 58-60; CHIEF PSYCHOLOGIST, MILWAUKEE COUNTY MENT. HEALTH CENTER, 60- Instr, Wisconsin, 60-65. Clin. psychol. trainee, Vet. Admin. Hosps, Downey, Ill. & Wood, Wis, 58-59; psychologist, St. Michael's Hosp, 59- Dipl. clin. psychol. Am. Bd. Exam. Prfln. Psychol, 67. U.S.A. 44-45. Psychol. Asn. Measurement of personality development in children and adolescents; projective techniques; psychological factors in suicides; forensic psychology; prediction of therapeutic change by psychological tests. Publ: Changing family relationship of adolescent girls, J. Abnorm. & Soc. Psychol; co-auth, Visual perception as a function of chronicity in schizophrenia, Brit. J. Psychiat. Address: 8700 W. Wisconsin Ave, Milwaukee, Wis. 53226.

LICHTBLAU, JOHN H, b. June 26, 21; nat; m. 44; c. 1. ECONOMICS. B.S.S. City Col. New York, 49; M.A. N.Y. Univ, 51. Econ. analyst, bur. labor statist, U.S. Dept. Labor, 51; prog. adminstr, study proj. for labor experts, Off. Int. Labor Affairs, 52-54; economist, Walter J. Levy, Inc, 54-55; RES. DIR, PETROL. INDUST. RES. FOUND, 55- Int. economist, Nat. Indust. Conf. Bd, 53; lectr, New Sch. Soc. Res, 60-61; lectr, annual seminar econ. of petrol, transportation center, Northwestern, 65- Mkt. res. consult, Nat. Oil Fuel Inst, 61-; consult, Economist Intel. Unit, London, 65-; econ. consult, Stanford Res. Inst, 67. U.S.A. 44-47. Econ. Asn; Petrol. Inst. Oil and energy economics; international economics. Publ: Co-auth, Oil depletion issue; auth, U.S. oil imports; Energy policy and competition. Address: 498 West End Ave, New York, N.Y. 10024.

LICHTE, PROF. WILLIAM H(EIL), b. Allentown, Pa, Apr. 8, 11; m. 41; c. 1. PSYCHOLOGY. A.B. Doane Col, 33; B.Mus, Northwestern, 35; M.A. Iowa, 38, Ph.D.(exp. psychol), 40. Instr, Sneed Jr. Col, 35-37; jr. personnel technician, U.S. Employ. Serv, 40-41; instr. psychol, Southern Methodist, 41-43; Nat. Defense Res. Cmt. res. asst, Yerkes Labs, Primate Biol, 43-45; asst. prof. PSYCHOL, MISSOURI, 45-51, assoc. prof, 51-60, PROF. 60-, CHMN. DEPT, 61- Psychol. Asn. Audition; visual perception. Publ: At-

tributes of complex tones; co-auth, Influence of overtone structure on the pitch of complex tones & influence of instructions on degree of shape constancy, 67, J. Exp. Psychol. Address: Dept. of Psychology, University of Missouri, Columbia, Mo. 65201.

LICHTENBERG, DR. EVA FISHELL, b. Reichenberg, Czech, June 30, 33; nat; m. 59. PSYCHOLOGY. B.A. Chicago, 52, M.A. 55, U.S. Pub. Health Serv. fcls, 56-57, 58-59, Ph.D.(psychol), 60. Intern psychol, Ill. Neuropsychiat. Inst, 56-57; clin. psychologist, Irene Josselyn Clin, 57-59; psychologist, Inst. Juvenile Res, 59-60; assoc, Soc. Res, Inc, 60-61; INSTR. PSYCHOL, CHICAGO MED. SCH, 61- Private practice, 58-; from clin. psychologist to chief psychologist, Mt. Sinai Hosp, 61-65, mem. sci. staff, 65- Psychol. Asn; Acad. Psychother; Orthopsychiat. Asn; Speech & Hearing Asn. Clinical psychology, particularly projective testing; organic brain damage; psychosomatic diseases; child psychology. Publ: The relationship between severity of disease and extent of psychopathology in psychosomatic illness, Psychosomatics, 7-8/63. Address: 3920 Lake Shore Dr, Chicago, Ill. 60613.

LICHTENBERG, PROF. P(HILIP), b. Schenectady, N.Y., Oct. 1, 26; m. 49; c. 4. PSYCHOLOGY. B.S. Western Reserve, 48, M.A. 50, Ph.D. 52; fel, Harvard, 51-52. Res. asst. prof. psychol, N.Y. Univ, 52-54; res. psychologist, inst. psychosom, Michael Reese Hosp, 54-57; assoc. soc. psychologist, State Ment. Health Res. Unit, N.Y., 57-61; assoc. prof. SOC. RES. BRYN MAWR COL, 61-68, PROF. 68- Lectr, Northwestern, 57; clin. asst. prof, Upstate Med. Center, State Univ. N.Y., 57-61. U.S.A.A.F. 45-46. AAAS; Psychol. Asn. Theory of mental health; abnormal processes; social psychology of clinical practice. Publ: Co-auth, Motivation for child psychiatry treatment, Russell, 60; auth, Mutual achievement strivings: a continuum for mental health, J. Abnorm. & Soc. Psychol; co-auth, Responsibility as a personality characteristic, Am. Med. Asn. Arch. Gen. Psychiat, 67. Address: Dept. of Social Work & Social Research, Bryn Mawr College, Bryn Mawr, Pa. 19010.

LICHTENSTEIN, DR. ARTHUR, b. Baltimore, Md, May 6, 06; m. 41. EDUCATIONAL PSYCHOLOGY. B.S. Hopkins, 30, Buchner fel, 32-34, Ph.D.(ed), 34; M.A. Columbia, 31. Psychologist, CITY DEPT. ED, BALTIMORE, 34-38, supvr. child guid, 38-42, DIR. DIV. SPEC. SERV, 48- From instr. to assoc. prof. ed, Hopkins, 34-38, asst. prof. med. psychol, sch. med, 47-48, vis. lectr, 48-54, summer & eve. sessions, 65-; Goucher Col, 47. U.S.A., 42-46, Capt. AAAS; Psychol. Asn; fel. Soc. Res. Child Develop; Brit. Asn. Adv. Sci. Multi-disciplinary approach to child guidance and behavior problems; measurement and modification of attitudes; achievement problems in schools. Publ: Can attitudes be taught; Teacher and the scientific attitude, Pi Lambda Theta J; Division and its work, Baltimore Bull. Ed. Address: Belvedere Towers Apts, 1190 W. Belvedere Ave, Baltimore, Md. 21210.

LICHTENSTEIN, DEAN PARKER E(ARL), b. Somerville, Mass, June 25, 15; m. 43; c. 3. PSYCHOLOGY. B.S. Mass. State Col, 39, fel, 39-41, M.S. 41; Ph.D.(psychol), Indiana, 48. ASST. PSYCHOL, Indiana, 41-42, instr, 46-47; Harvard, 42; asst. prof, Antioch Col, 48-49; assoc. prof, DENISON, 49-51, PROF, 51-, DEAN, 54-, chmn. dept, 49-54. U.S.C.G. 43-45, Lt. Psychol. Asn. Psychological theory; higher education. Publ: Anxiety; Psychology as a genetic science. Address: Office of the Dean, Denison University, Granville, Ohio 43023.

LICHTENSTEIN, DR. STANLEY, b. Brooklyn, N.Y., July 15, 27; m. 49; c. 2. PSYCHOLOGY. B.A. Brooklyn Col, 49; Cincinnati, 49-51; Ph.D.(psychol), Washington (St. Louis), 54. Sr. clin. psychologist, psychol. labs, Norwich State Hosp, Conn, 54-56; res. assoc, AM. INSTS. RES, 56-57, assoc. res. scientist, 57-59, res. scientist, 59-64, sr. res. scientist, 64-67, EXEC. SCIENTIST, 67- U.S.A. 45-47. Psychol. Asn. Evaluation of training and job performance, especially interpersonal problems; motivational aspects of learning; cross-cultural interaction problems; economic and social development. Address: American Institutes for Research, 8555 16th St, Silver Spring, Md. 20910.

LICHTERMAN, DEAN MARTIN, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LICKLIDER, PROF. JOSEPH C(ARL) R(OBNETT), b. St. Louis, Mo, Mar. 11, 15; m. 45; c. 2. PSYCHOLOGY. A.B. Washington (St. Louis), 37, A.M. 38; Ph.D.(psychol), Rochester, 42. Res. assoc. psychol, Swarthmore Col, 40-41; res. assoc. & res. fel. psycho-acoustic lab, Harvard, 41-46, lectr, labs. psychol, 46-49; assoc. prof. psychol, Mass. Inst. Tech, 49-57; head eng. psychol. dept, Bolt Beranek & Newman, Inc, 57-61, v-pres, 61-62; dir. behav. sci. & info. processing res, Adv. Res. Projs. Agency, U.S. Dept. Defense, 62-64; PROF. ELEC. ENG. & ASSOC. DIR. PROJ. MAC, MASS. INST. TECH, 64- Nat. Res. Coun. fel, 42. Mem. coun. Armed Forces-Nat. Res. Coun. Cmt. Hearing & Bio-Acoustics, 57-; consult. to dir, Int. Bus. Mach. Corp, N.Y., 64- Fel. AAAS (v-pres. & chmn. info. & commun. sect); fel. Psychol. Asn; fel. Soc. Exp. Psychol; fel. Acoustical Soc.(pres, 58, award, 50); fel. Am. Acad. Arts & Sci; Physiol. Soc; Human Factors Soc; Psychonomic Soc. Psychoacoustics; communication; man-computer interaction. Publ: Effects of amplitude distortion upon the intelligibility of speech, J. Acoustical Soc. Am; Three auditory theories; Man-computer symbiosis. Address: Massachusetts Institute of Technology, Room 838, Technology Square, 545 Main St, Cambridge, Mass. 02139.

LICKLIDER, DR. ROY E(LERS), b. Seattle, Wash, Jan. 27, 41. POLITICAL SCIENCE. B.A. Boston, 63; M.A. Yale, 64, Ph.D.(int. rels), 68; Michigan, summer, 65. Asst. in res. polit. sci. res. library, Yale, 64; ASST. PROF. POLIT. SCI, Tougaloo Col, 67-68; DOUGLASS COL, RUTGERS, 68- PROF. Sci. Asn. American foreign policy; national security policy; comparative foreign policy; international relations; comparative government. Address: Dept. of Political Science, Douglass College, Rutgers, The State University, New Brunswick, N.J. 08903.

LIDDLE, DR. GORDON P(HILIP), b. St. Louis, Mo, Dec. 8, 25; m. 48; c. 3. SOCIAL & EDUCATIONAL PSYCHOLOGY. A.B. Oberlin Col, 47; Ph.D., Chicago, 59. Counsr, counseling center, Chicago, 50-51; asst. dean men, Oberlin Col, 51-52; asst, indust. rels. center, Chicago, 52-53, assoc. prof, cmt.

human develop, 53-63; assoc. dir, INTERPRFNL. RES. CMN. PUPIL PERSONNEL SERV, MARYLAND, 63-65, EXEC. DIR, 65- Mem. juvenile prob. res. rev. cmt, Nat. Inst. Ment. Health, 67- U.S.N.R. 43-46, Ens. Psychol. Asn; Ed. Res. Asn. Education of culturally handicapped children; pupil personnel services. Publ: Co-auth, Growing up in River City, Wiley, 62; Education improvement for the disadvantaged, C.C. Thomas, 67; School psychology, Prentice-Hall, 67. Address: 2700 Briggs Chaney Rd, Silver Spring, Md. 20904.

LIDTKE, DR. VERNON L(EROY), Moc. European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LIDZ, DR. THEODORE, Psychiat, see 11th ed, Phys. & Biol. Vols.

LIEBAN, DR. RICHARD WARREN, b. New York, N.Y., Jan. 23, 21; m. 45. ANTHROPOLOGY. B.J. Missouri, 43; M.A. Columbia, 51, Ph.D.(anthrop), 56. Info. specialist, civil info. & ed, U.S. Civil Admin. of Ryukyu Islands, 52-53; asst. prof. anthrop, Woman's Col, North Carolina, 55-59, assoc. prof, 59-61; vis. assoc. prof, North Carolina, Chapel Hill, 61-62, assoc. prof, 63-65; Nat. Sci. Found. res. grant, Philippines, 62-63; PROG. DIR. ANTHROP, NAT. SCI. FOUND, 65- Fulbright grant teaching & res, Philippines, 58-59. Mem. adv. panel, conf. cross-cultural psychopharmacol, Nat. Inst. Ment. Health, 61; mem, Smithsonian Inst. For. Currency Adv. Coun, 65-67. AAAS; fel. Anthropol. Asn; Asn. Asian Studies. General, medical and social anthropology; Southeast Asia; Far East. Publ: Cebuano sorcery, Univ. California, 67; The dangerous Inkantans: Illness and social control in a Philippine community, Am. Anthropologist, 62; Fatalism and medicine in Cebuano areas of the Philippines, Anthropol. Quart, 66. Address: National Science Foundation, Washington, D.C. 20550.

LIEBER, DR. ROBERT J, b. Chicago, Ill, Sept. 29, 41; m. 64; c. 1. POLITICAL SCIENCE. B.A. & Woodrow Wilson fel, Wisconsin, 63; Nat. Defense Ed. Act. fel, Chicago, 63-64; Knox traveling fel, England, 66-67; univ. fcls, Harvard, 64-65, 66 & 67-68, Ph.D.(polit. sci), 68. ASST. PROF. POLIT. SCI, CALIFORNIA, DAVIS, 68- Polit. Sci. Asn. International politics; comparative politics of Western Europe, especially Britain; national security policy; European integration. Publ: The French nuclear force: a strategic and political evaluation, Int. Affairs, 7/66. Address: Dept. of Political Science, University of California, Davis, Calif. 95616.

LIEBERMAN, DR. BERNHARDT, b. Brooklyn, N.Y., Apr. 26, 29; m. 53; c. 1. PSYCHOLOGY. B.A. Brooklyn, 50; M.A. N.Y. Univ, 52; Ph.D.(soc. psychol), Boston, 58. Res. fel. soc. rels, Harvard, 58-60, res. assoc. int. affairs, 60-64, ASSOC. PROF. SOCIOL, PITTSBURGH, 64- U.S.A. 52-53. AAAS; Psychol. Asn; Sociol. Asn. Social psychology; decision making; mathematical behavioral science. Publ: Effects of emotional language on the induction and change of opinions, J. Soc. Psychol; Auction value of certain risky situations, J. Psychol; Human behavior in a strictly determined 3x3 matrix game, Behav. Sci. Address: Dept. of Sociology, University of Pittsburgh, Pittsburgh, Pa. 15213.

LIEBERMAN, DR. E. JAMES, b. Milwaukee, Wis, Nov. 21, 34; m. 59; c. 2. CHILD PSYCHIATRY. A.B. California, Berkeley, 55, M.D. California, San Francisco, 58; M.P.H. Harvard, 63. Intern. U.S. Pub. Health Serv. Hosp, Staten Island, N.Y., 58-59; res, Mass. Ment. Health Center, Boston, 59-61; Putnam Children's Center, Boston, 61-62; private practice, 62-63; staff psychiatrist, NAT. INST. MENT. HEALTH, Bethesda, 63-67, acting chief CENTER FOR STUDIES CHILD & FAMILY MENT. HEALTH, CHEVY CHASE, 67, CHIEF, 67- Clin. asst. prof, div. psychiat, Howard, 67- Dipl. Am. Bd. Psychiat. & Neurol, 66. U.S.P.H.S. 63-67, Res, 67-68, Sr. Surg. AAAS; Psychiat. Asn; fel. Pub. Health Asn. Preventive psychiatry; family planning and sex education; international communication. Publ: Preventive psychiatry and family planning, J. Marriage & Family, 11/64; Threat and assurance in the conduct of conflict, Int. Conflict & Behav. Sci, 64; The urban adolescent, In: Adolescence (part I), Univ. Chicago, 66. Address: 6451 Barnaby St, Washington, D.C. 20015.

LIEBERMAN, PROF. GERALD J, Oper. Res, Statist, see 11th ed, Phys. & Biol. Vols.

LIEBERMAN, PROF. HAROLD, b. Toledo, Ohio, Mar. 30, 22; m. 52; c. 5. SOCIOLOGY. B.A. Toledo, 47; M.A. Chicago, 49; D.S.S.(sociol. polit. sci, hist), Syracuse, 57. Asst. mgr. pub. rels, Radio Reports, Inc, Wash, D.C., 52-53; chmn. dept. sociol, Ohio Northern, 53-56; assoc. prof. sociol, ST. CLOUD STATE COL, 56-63, PROF. SOCIOL. & CHMN. DEPT. SOC. SCI, 63- Summers, U.S. Rep, UN intern prog. & res. asst, div. human rights, dept. soc. affairs, UN, 51, Hill Family Found. travel grants, 59 & Latin Am, 63. Adv. Minn. Student Proj. Amity Among Nations, 58-60. Ord.C, 42-46, Sgt. Sociol. Asn. Interdisciplinary social science; civil liberties and rights; citizenship interest and participation in civic and political affairs and the implications for democracy. Publ: One minute to midnight: problems of order in Latin America, J. Minn. Acad. Sci, 64. Address: E. River Rd, Route 1, St. Cloud, Minn. 56301.

LIEBERMAN, I(RWIN) M(ARTIN), b. New York, N.Y., Oct. 13, 18; m. 52; c. 2. ECONOMICS. A.B. Chicago, 39, M.A. 41. Field exam, Nat. Labor Rels. Bd, 46-54; EMPLOYEE RELS. DIR, TONI CO, 54- Lectr, labor ed. div, Roosevelt, 48- U.S.A. 41-46, Capt. Econ. Asn; Indust. Rels. Res. Asn. Labor relations and law. Publ: Collective bargaining in the motor freight industry, Indust. & Labor Rels. Rev. Address: 5801 S. Dorchester Ave, Chicago, Ill. 60637.

LIEBERMAN, PROF. J. NINA, b. Jaroslaw, Poland, May 16, 21; U.S. citizen; m. 56. DEVELOPMENTAL & EDUCATIONAL PSYCHOLOGY. B.S. Columbia, 57, M.A. 59, fel, 63-64, Ph.D.(develop. psychol), 64. Lectr. child & ed. psychol, Brooklyn Col, 61-63, 64-65; instr. gen. child psychol, Packer Jr. Col, 64; ASST. PROF. CHILD & ED. PSYCHOL, BROOKLYN COL, 65- Nat. Inst. Ment. Health small proj. grants, 66-68. Psychol. Asn; Soc. Res. Child Develop; Ed. Res. Asn. Motivational variables as clues to cognitive style at various age levels; relationship between playfulness and divergent thinking in adolescents. Publ: Relationship between playfulness and divergent think-

ing at the kindergarten level, *J. Genetic Psychol.* 107: 219-224; Playfulness: an attempt to conceptualize a quality of play and of the player, *Psychol. Reports*, 1966; A developmental analysis of playfulness as a clue to cognitive style, *J. Creative Behav.* 1: 391-397. Address: 21 Lewis Place, Brooklyn, N.Y. 11218.

LIEBERMAN, JACOB E(LIAS), Math. Statist, see 11th ed, Phys. & Biol. Vols.

LIEBERMAN, DR. J(AY) BEN(JAMIN), b. Champaign, Ill, Nov. 17, 14; m. 41; c. 2. POLITICAL SCIENCE, MASS COMMUNICATION. A.B., Illinois, 35; Columbia, 35-36; Ph.D.(polit. sci.), Stanford, 52. Dir. pub. State Col. Wash, 46-48; asst. to gen. mgr. San Francisco Chronicle, 48-52; teacher-coordinator commun. media, Contra Costa Jr. Col. Dist, 53-55; indust. economist, Stanford Res. Inst, 55-57; consult. commun. Gen. Foods Corp, 57-58; Fund Adv. Ed, N.Y. 58-59; assoc. prof. mgt. grad. sch. bus. & prof. journalism, Columbia, 60-61; dir. ed. writing prog. grad. sch. journalism, 61-63; SR. ED. COUNSR, HILL & KNOWLTON, INC, 67- Lectr, San Francisco State Col, 48-51; vis. assoc. prof, California, 52. Pres, Popular Printing, Inc, 59-Consult. Cmt. for Free Asia, 53-55; commun, 59-; Orgn. Econ. Coop. & Develop, 65-67; UN Adv. Cmn. Appln. Sci. & Tech. to Develop, 66- Ed, All Hands, 42-46. U.S.N.R, 42-56, Comdr. AAAS; Polit. Sci. Assn; Acad. Polit. & Soc. Sci; Soc. Int. Develop. Education; international development; public relations; generalism. Publ: Navy editors' manual; Papermaking manual for underdeveloped areas; Communication approach to technical assistance. Address: 6050 Boulevard E, West New York, N.J. 07093.

LIEBERMAN, DR. LEWIS R(OBERT), b. Passaic, N.J., Nov. 22, 31; m. 59; c. 3. CLINICAL PSYCHOLOGY. B.A., Chicago, 52; M.S., Kentucky, 58, Ph.D. (clin. psychol), 64. Res. psychologist, CHARLES L. MIX MEM. FUND, GA. SOUTHWEST. COL. CAMPUS, 60-64, RES. DIR, 64- Prof, Ga. Southwest. Col, 64-; dir, Americus & Sumter County Guid. Center, 64- Psychol. Asn. Publ: The boy who wouldn't say huh; a suggested area for research, *J. Speech & Hearing Disorders*, 65; On actuarial methods as appropriate strategy for the validation of diagnostic tests, *Psychol. Rev.* 66; Drawing norms for the Bender-Gestalt figures, *J. Clin. Psychol.* 68. Address: Charles L. Mix Memorial Fund, Georgia Southwestern College Campus, Americus, Ga. 31709.

LIEBERMAN, DR. MARVIN, b. New York, N.Y., Apr. 11, 29; m. 53; c. 3. POLITICAL SCIENCE, ECONOMICS. B.S.S., City Col. New York, 50, fel, 50-52; M.A., Columbia, 53; LL.B., N.Y. Univ, 59, Nat. Inst. Ment. Health fel, 65-68, Ph.D.(polit), 68. Budget aide, N.Y. State Div. Budget, 52-53; methods analyst, Home Life Ins. Co, N.Y. 55-56; New York Health Dept, 56-57; res. analyst, Blue Cross Assn, 57-62; sr. res. assoc. med. econ, Hunter Col, 63-64; sr. consult, N.Y. Acad. Med, 64-68; STAFF COORDINATOR, ASSOC. MED. SCS. NEW YORK, 68- Career scientist, Health Res. Coun. New York, 64- U.S.A., 53-55. Health economics; organization theory; mental health program. Address: 99 Hillside Ave, New York, N.Y. 10040.

LIEBERMAN, DR. MORTON A., b. New York, N.Y., May 23, 31; m. 56; c. 2. PSYCHOLOGY. U.S. Pub. Health Serv. fel, Chicago, 55-56, Ph.D.(psychol), 58. Soc. res. psychologist, Vet. Admin. Res. Hosp, Chicago, Ill, 56-57; asst. prof. HUMAN DEVELOP. & PSYCHIAT, CHICAGO, 57-66, ASSOC. PROF, 66- Nat. Insts. Health res. career develop. award, 63- Mem. bd. dir, Nat. Training Labs, 67- Psychol. Asn; fel. Geront. Soc. Group psychotherapy; gerontology; psychosomatic diseases. Publ: Co-auth, Psychotherapy through the group process, *Atherton*, 65; auth, Relationship of mortality rates to entering a home for the aged, *Geriatrics*; Psychological correlates of impending death, *J. Geront.* 66. Address: 1210 E. 48th, Chicago, Ill. 60615.

LIEBERMAN, DR. SEYMOUR, b. Brooklyn, N.Y., July 22, 26. PSYCHOLOGY. B.A., Brooklyn Col, 48; M.A., Michigan, 49, Ph.D.(psychol), 55. Study dir, surv. res. center, Michigan, 48-56; res. dir, Kenyon & Eckhardt, Inc, 56-65; PRES, LIEBERMAN RES. INC, 66- Consult, New York Youth Bd, 55-56; res. consult, Am. Cancer Soc, 66- U.S.A.A.F, 46-47. Psychol. Asn; Mkt. Asn; Asn. Pub. Opinion Res. Role theory; attitudes. Publ: The effects of changes in roles on the attitudes of role occupants; How to measure a new product's holding power, *Food Bus.* 2/65; co-auth, Effect of question wording on response distribution, *J. Mkt. Res.* 8/67. Address: 300 Central Park W, New York, N.Y. 10024.

LIEBERMAN, DR. SOLOMON S(IDNEY), b. Brooklyn, N.Y., Dec. 12, 17; m. 41; c. 2. PSYCHOLOGY. B.A., Brooklyn Col, 38; M.S., City Col. New York, 40; Ph.D.(psychol), N.Y. Univ, 54. Intern psychologist, psychiat. div, Kings County Hosp, 48-49; staff psychologist, Ment. Hyg. Clin, Harlem Hosp, 49-50; psychiat. div, Kings County Hosp, 50-58; DIR. PSYCHOL. SERV, INC, 60- Staff psychologist, psychoanal. clin, State Univ. N.Y. Downstate Med. Center, 50-58. U.S.A.A.F, 42-46, Lt. Psychol. Asn; Acad. Psychother. Psychoanalysis; psychotherapy. Publ: Relationship of eye-hand dominance and fantasies in boys; Notes on the clinical use of achievement testing, *Brit. J. Med. Psychol.* co-auth, Astrocytoma of the left temporal lobe, contribution to the problem of the psychopathology of epileptic personality disorder, and to the problem of semantic aphasia, *Am. J. Psychiat.* Address: 68-61 Yellowstone Blvd, Suite 106, Forest Hills, N.Y. 11375.

LIEBERSON, PROF. STANLEY, b. Montreal, Que, Apr. 20, 33; U.S. citizen; m. 60; c. 3. SOCIOLOGY. M.A., Chicago, 58, Ph.D., 60. Instr. sociol, Iowa, 59-60, asst. prof, 60-61; assoc. dir. urban community res. center, 59-61; asst. prof. SOCIOL, Wisconsin, 61-63, assoc. prof, 63-66, prof, 66-67; PROF. & DIR. OFF. POP. RES, WASHINGTON (SEATTLE), 67- Mem. cmt. sociol, Soc. Sci. Res. Coun, 84- Sociol. Asn; Pop. Asn; Statist. Asn; Soc. Study Social Probs; Int. Union Sci. Study Pop. Ecological and demographic aspects of race and ethnic relations; human ecology pertinent to city dwelling; sociolinguistics. Publ: Co-auth, Metropolis and region; auth, Ethnic patterns in American cities; Societal theory of race and ethnic relations, *Sociol. Rev.* Address: Dept. of Sociology, University of Washington, Seattle, Wash. 98105.

LIEBERT, DR. ROBERT M(ANDEL), b. New York, N.Y., Jan. 22, 42; m. 62; c. 2. PSYCHOLOGY. B.S., Tulane, 63; Ph.D.(psychol), Stanford, 66. ASST. PROF. PSYCHOL, VANDERBILT, 66- Prin. investr, U.S. Off. Ed. res.

grant, 67- Psychol. Asn. Publ: Co-auth, Effects of suggestions of alertness in hypnosis on paired-associate learning, *J. Personality*, 33: 605-612; Effects of discrepancies between observed and imposed reward criteria on their acquisition and transmission, *J. Personality & Soc. Psychol.* 3: 45-53, Cognitive and emotional components of test anxiety: a distinction and some initial data, *Psychol. reports*, 20: 975-978. Address: Dept. of Psychology, Vanderbilt University, Nashville, Tenn. 37203.

LIEBESKIND, DR. JOHN C(OLEMAN), Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.

LIEBHAFSKY, PROF. E(RWIN) E(UGENE), b. Shiner, Tex, Sept. 1, 22; m. 47; c. 2. ECONOMICS. B.S., Texas A&M, 47, M.S., 48; Ph.D.(econ), Illinois, 50. Asst. econ, Texas A&M, 47-48; Illinois, 48-50; instr, Western Reserve, 50-51; indust. rels. analyst, Regional Wage Stabilization Bd, Tex, 51-53; asst. prof. econ, Pa. State, 53-55, assoc. prof, 55-56; Texas A&M, 56-60, prof, 60-62; vis. prof. ECON, N.C. State, 62-64; prof, Houston, 64-68; PROF, MISSOURI, COLUMBIA, 68- Mem. adv. cmt. res, U.S. Employ. Serv, 66-68. U.S.A., 42-46. Econ. Asn; Indust. Rel. Res. Asn. Labor and manpower economics; economic theory; problems inherent in identification and classification of inactive work-seekers. Publ: Co-auth, The advancing South: manpower prospects and problems, 20th Century, 67; auth, A new concept in wage determination: distinguished productivity analysis & Improving the operation of labor markets through an employment service advance notice system, 4/63, *South. Econ. J.* Address: Dept. of Economics, University of Missouri, Columbia, Mo. 62502.

LIEBHAFSKY, PROF. H(ERBERT) H(UGO), b. Shiner, Tex, Mar. 10, 19; m. 49; c. 1. ECONOMICS. B.A., Agr. & Mech. Col, Tex, 40, M.S., 41; Jr. Dr, Michigan, 49, Ph.D., 56. Instr. econ, Agr. & Mech. Col, Tex, 40-41; Texas, 41-42; int. economist, U.S. Dept. State, Wash, D.C., 49-53; instr, ECON, Michigan, 53-56; asst. prof, TEXAS, AUSTIN, 56-58, assoc. prof, 59-61, PROF, 62- U.S.A., 42-46, Res, 46-56, Lt. Col. International economic agreements; microeconomic theory; application of antitrust laws and reconciliation of economic and legal aspects of antitrust; international cartels and commodity agreements. Publ: The nature of price theory, rev. ed, Dorsey, 68; Marshall and Slutsky on the theory of demand, *Can. J. Econ. & Polit. Sci.* Address: Dept. of Economics, University of Texas, Austin, Tex. 78712.

LIEBLEIN, DR. JULIUS, Math. Statist, see 11th ed, Phys. & Biol. Vols.

LIEBLER, PROF. R(ICHARD) A(LLEN), b. Erie, Pa, Sept. 5, 17. POLITICAL SCIENCE. B.S., Dayton, 39; M.A., Western Reserve, 47. Teacher, high sch, Iowa, 48-49; instr. polit. sci. & Am. hist, DAYTON, 49-51, from asst. prof. to ASSOC. PROF. POLIT. SCI, 51- Mem, For. Policy-World Affairs Center. Soc. Int. Law. American national government, foreign policy and history; international law. Publ: File awhile; lldag; Transition to what? Address: Dept. of Political Science, University of Dayton, Dayton, Ohio 45409.

LIEBLING, DR. HERMAN I, b. Brooklyn, N.Y., Oct. 20, 16; m. 46; c. 2. ECONOMICS. B.A., Brooklyn Col, 40; M.A., American Univ, 45, Ph.D., 61. Economist, div. res. Off. Price Admin, 41-45; bus. review staff, off. bus. econ, U.S. Dept. Commerce, 46-51, econ. & financial anal, 54-59; sect. chief employ. & manpower studies, bur. labor statist, U.S. Dept. Labor, 51-53; dir. econ. studies prog, off. econ. & statist. studies, Nat. Sci. Found, 59-62; CHIEF BUS. ECONOMIST, OFF. FINANCIAL ANAL, U.S. TREAS. DEPT, 62- Lectr, American Univ, 61-62; assoc. prof, Maryland, 63- Mem. Conf. on Res. Income & Wealth, 67. Econ. Asn; Statist. Asn. Current economic analysis and business cycle developments; business finance and capital markets; social accounting; factors affecting economic growth; business economics and forecasting; employment and productivity trends. Publ: Financing the expansion of business & Financing business in recession and recovery, *Surv. Current Bus.* Measures of capacity and the business cycle, *Proc. Am. Statist. Asn.* 12/65. Address: 6317 W. Halbert Rd, Bethesda, Md. 20034.

LIEBMAN, DR. CHARLES S(EYMOUR), b. New York, N.Y., Oct. 20, 34; m. 59; c. 2. POLITICAL SCIENCE. B.B.A., Miami (Fla), 56; Gilman fel, Hopkins 56-57; univ. fel, Illinois, 57-59, Miller fel, 59-60, Ph.D., 60. Instr. POLIT. SCI, Pennsylvania, 60-61, asst. prof, 61-63; YESHIVA, 63-67, ASSOC. PROF, 67- Soc. Relig. Higher Ed. fel, 65-66. Polit. Sci. Asn; Soc. Sci. Study Relig. Political behavior in urban and metropolitan areas, especially political values associated with residential land use; sociology of religion, particularly American Jewish sociology. Publ: Co-auth, Suburban differences and metropolitan policies, *Univ. Pennsylvania*, 65; auth, Orthodoxy in American Jewish life, 65 & The training of American rabbis, 68, *Am. Jewish Year Book.* Address: Dept. of Political Science, Yeshiva University, Amsterdam Ave. & 185th St, New York, N.Y. 10003.

LIEF, DR. HAROLD I(SAIAH), b. New York, N.Y., Dec. 29, 17; m. 46; 61; c. 5. PSYCHIATRY. A.B., Michigan, 38; M.D., N.Y. Univ, 42; L.I. Col. Med, 48; Columbia, 50. Asst. physician, Presby. Hosp, New York, 48-51; asst. prof. psychiat, sch. med, Tulane, 51-54, assoc. prof, 54-60, prof, 60-67, dir, Hutchinson Mem. Psychiat. Clin, 51-67; PROF. PSYCHIAT. & DIR. DIV. FAMILY STUDY, SCH. MED, PENNSYLVANIA, 67- Res. assoc, Urban Life Res. Inst, 53-67; vis. prof, Virginia, 58; Commonwealth Fund fel, 63-64; vis. scholar, Center Adv. Study Behav. Sci, 66. Assoc. psychoanalyst, psychoanal. clin, Columbia, 50-53; vis. physician & sr. vis. physician, Charity Hosp, New Orleans, 51-67. Med. C. 43-46, Maj. Psychosomat. Soc; Sociol. Asn; Asn. Med. Cols; Psychiat. Asn; Am. Med. Asn; Acad. Psychoanal.(pres, 67-68); Group Adv. Psychiat; Asn. Marriage Counsr; World Fed. Ment. Health. Culture and personality of Negroes; adaptation of medical students; social psychiatry; marriage counseling; sex education and research; medical education; family planning. Publ: Co-auth, The eighth generation, 60 & co-ed, The psychological basis of medical practice, 63, Harper; auth, The physician and family planning, *J. Am. Med. Asn.* 66. Address: Division of Family Study, University of Pennsylvania School of Medicine, Philadelphia, Pa. 19104.

- LIEF, DR. VICTOR FILLER, b. Brooklyn, N.Y., Dec. 14, 04; m. 32; c. 1. SOCIAL PSYCHIATRY. B.S. City Col. New York, 26; M.D. N.Y. Univ. 30. U.S. Pub. Health Serv. fel. psychiat. med. sch., Tulane, 57-60, asst. prof., 60-63; ASSOC. PROF. PSYCHIAT. & SUPV. PSYCHIAT. DIV. COMMUNITY MENT. HEALTH, N.Y. MED. COL., 63- Dipl. Am. Bd. Internal Med., 43; Am. Bd. Psychiat. & Neurol., 63. Med.C. A.U.S., 42-46, Lt. Col. AAAS; Psychiat. Asn.; Acad. Psychoanal.; Am. Med. Asn. Urban mental health; alcohol and drug misuse. Publ: Co-auth, Psychological basis of medical practice, Harper, 63; Adaptation of the medical student, 8/60 & Academic success: intelligence and personality, 2/85, J. Med. Ed. Address: New York Medical College, 5 E. 102nd St, New York, N.Y. 10029.
- LIEFELD, DR. JOHN PAUL, b. Regina, Sask, July 2, 38; m. 63; c. 2. MARKETING, SOCIOLOGY. B. Commerce, Saskatchewan, 61; M.B.A., Oregon, 64, D.B.A., 66. ASST. PROF. MKT, McMASTER, 65- Acad. Adviser, Can. Asn. Purchasing Agents. Mkt. Asn. Consumer behavior and marketing communication; application of behavioral science concepts in building theoretical models. Publ: Theoretical foundations of marketing communications, Marketer, spring 67. Address: Dept. of Marketing, McMaster University, Hamilton, Ont, Can.
- LIELL, DR. JOHN T(HOMAS), b. Brooklyn, N.Y., Apr. 15, 21; m. 48; c. 5. SOCIOLOGY. Ph.D.(sociol), Yale, 52. Instr. SOCIOL, Yale, 52-54; ASSOC. PROF., INDIANA, 54- Summer fel, Interniv. Inst. Soc. Geront, California, Berkeley, 59. Consult, Community Action Against Poverty, Neighborhood Serv. Div., Indianapolis, Ind, 66-67. U.S.A.A.F., 42-46. Sociol. Asn.; Am. Inst. Urban & Regional Affairs. Community; human ecology; comparative community structure; planning; urban sociology. Address: Dept. of Sociology, Indiana University, Bloomington, Ind. 47405.
- LIEM, PROF. CHANNING, b. Eul Lyul, Korea, Oct. 30, 09. POLITICAL SCIENCE. B.S., Lafayette Col, 34; Bucknell, 34-35; Sanxay fel, Princeton, 42-44, A.M., 43, Class of 1884 fel, 44-45, Ph.D., 45. Instr. polit, Princeton, 46-48; Korean affairs adv, U.S. Mil. Govt, Korea, 48-49; asst. prof. POLIT. SCI., Chatham Col, 49-54, assoc. prof, 54-60, chmn. dept. & Ford faculty fel, 54-55; PROF., Muskingum Col, 60-61; STATE UNIV. N.Y. COL. NEW PALTZ, 61- Ambassador Repub. Korea to UN, 60-61; spec. envoy of Korea, Independent African Nations, 60. Trustee, Am. Found. Korean Ed, 44. Polit. Sci. Asn.; Far East. Asn. World cultures; beyond America; introduction to American government. Publ: America's finest gift to Korea. Address: 252 Old Kingston Rd, New Paltz, N.Y. 12561.
- LIEN, PROF. ARNOLD J(OHNSON), Polit. Sci., see 10th ed, Soc. & Behav. Vols, deceased 63.
- LIEN, DR. CHAN, b. Sian, Shensi, China, Aug. 27, 36; m. 65; c. 1. POLITICAL SCIENCE. B.A., Taiwan, 57; M.A., Chicago, 61, Ph.D.(polit. sci), 65. ASST. PROF. POLIT. SCI., Wis. State, 65-66; CONNECTICUT, 66- Vis. assoc. prof, Nat. Coun. Sci. Develop. Repub. China, 68-69. Polit. Sci. Asn.; Chinese Asn. Advance Sci. Conflict between Marxism and liberalism in China between 1919-1954; international politics; Far Eastern politics. Publ: Chinese communism vs. pragmatism, J. Asian Studies, 5/68; Sun Yat-sen on land utilization, Agr. Hist, 12/68. Address: Mansfield Apts. 25, Storrs, Conn. 06268.
- LIEPE, WOLFRAM, b. Halle, Germany, Sept. 3, 18; m. 53; c. 2. ECONOMICS. B.A., Antioch Col, 47; M.A., Chicago, 53. Economist, Econ. Coop. Admin, D.C., 48-51; econ consult, Venezuelan Develop. Corp, 53-54; bus. economist, Bur. Labor Statist, U.S. Dept. Labor, 55-57; economist, Corp. Econ. & Indust. Res, 57; sr. economist int. & bus. econ, W.R. Grace & Co, 57-63; ASSOC. PROF. ECON, NEW MEXICO, 63- Soc. Sci. Res. Coun. res. grant, Fulbright-Hays faculty fel. & guest scholar, Brookings Inst, to conduct study, Colombia's trade & exchange rate policies & econ. growth, 1947-1967, 67-68. U.S.A., 41-44, Sgt. Econ. Asn.; Soc. Int. Develop. Economic development; business and international economics. Publ: Co-auth, Devaluation and the cost of living in the United Kingdom, Rev. Econ. Studies; auth, Mexican economic policies and their influence on growth and balance of payments in recent years, Rocky Mt. Soc. Sci. J., 4/66. Address: Dept. of Economics, University of New Mexico, Albuquerque, N.M. 87106.
- LIEU, D(AKUIN) K(EETAO), Econ, Statist, see 10th ed, Soc. & Behav. Vols.
- LIEU, PROF. HOU-SHUN, b. Peiping, China, May 13, 21; m. 57; c. 3. ECONOMICS. B.A., Nat. Chungkin Univ, 44; M.B.A., N.Y. Univ, 48. Head cor. sect, N.Y. Agency, Bank of China, 48-52, econ. analyst, 53-56, from asst. chief to chief, bus. div. to head off. for. dept, China, 56-59, asst. chief, trust div, N.Y. Agency, 59-67; ASST. PROF. ECON, STATE UNIV. N.Y. AGR. & TECH. COL. FARMINGDALE, 67- Assoc. prof, law sch, Soochow Univ, 56, prof, 57-59; assoc. prof, Taiwan Prov. Col. Law & Commerce, 56-57; summer guest lectr, Taiwan Cement Corp, 58-59. Consult, Muller & Co, N.Y., 68-Ed. & contrib. ed, various Am. & Chinese pub, 53- Secy. cmt. A, econ. stabilization bd, Repub. China, 56-57, mem. adv. cmn, summer youth training corps, 57; alternate mem. allocation cmt, Coun. for U.S. Aid, 56-57; mem, Suffolk County Pub. Employ. Rels. Bd, N.Y., 68- Civilian expert, U.S. Dept. War, 45-46. Presidential Medal of Freedom of U.S., 63. Nat. Mil. Coun. China, 44-45, Maj. AAAS; Am. Econ. Asn.; Economet. Soc.; fel. Royal Econ. Soc. Law changers, especially China's political economists, times, man, problems, measures and theories; economic stabilization and development; international economic cooperation. Publ: Concept of economic homeostasis; Draft plan for an Asian payments union and an Asian development bank; International and inter-regional economics. Address: 28 Marshmallow Dr, Commack, N.Y. 11725.
- LIEUWEN, PROF. EDWIN, Latin Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LIFSON, DR. K(ALMAN) A(LAN), b. Minneapolis, Minn, Oct. 15, 26; m. 50; c. 3. PSYCHOLOGY. B.S., Minnesota, 46, M.A., 48; Ph.D.(psychol), Purdue, 51. Supvr. methods anal. & hours control, Temco Aircraft, 51-52; mgr. eng. officer, bur. aeronaut, U.S. Dept. Navy, 52-53; PRES, LIFSON, WILSON, FERGUSON & WINICK, INC, 54- U.S.N.R., 44-46, 52-53. Psychol. Asn. Motivation; group dynamics; executive action; decision making behavior. Publ: Securing cooperation in a methods change, Personnel; Psychological aspects of a control chart installation, Indust. Qual. Control; Errors in time sect judgments of industrial work pace, Psychol. Monogr. Address: 9825 Rockbrook Dr, Dallas, Tex. 75220.
- LIFTON, DR. ROBERT JAY, b. New York, N.Y., May 16, 26; m. 52; c. 2. PSYCHIATRY. Cornell, 42-44; M.D., N.Y. Med. Col., 48; Boston Psychoanal. Inst, 57-60. Intern gen. med, Jewish Hosp, Brooklyn, N.Y., 48-49; psychiat. res, State Univ. N.Y. Downstate Med. Center, 49-51; res. assoc, Asia Found, 54; mem. faculty, Wash. Sch. Psychiat, 54-55; res. psychiatrist, Walter Reed Army Inst. Res, 56; res. assoc. psychiat. & assoc. East Asian studies, Harvard, 56-61; Found. Fund Res. Psychiat. assoc. prof, YALE, 61-67. PROF. PSYCHIAT. & FEL, BRANFORD COL, 67- Asia Found. fel. study Chinese communist thought reform, Hong Kong, 54; Wash. Sch. Psychiat. study grant, Hong Kong & D.C., 54-55; Ford Found. fel, 56-57 & Found. Fund Res. Psychiat. fel, 58-61, res. training & res. in cross cultural psychol. patterns in Far East; res. assoc, Tokyo, 60-61; Cmt. Faculty Res. Int. Studies res. fel. Japanese youth, Japan, 64-67; coordinator, Group Study Psychohist. Process, 66- U.S.A.F. 51-53, Capt. Consult, behav. sci. study sect, Nat. Inst. Ment. Health, 62-64; N.Y. Bar Asn. cmt. invasion privacy, 63-64. AAAS; Psychiat. Asn.; Asn. Asian Studies; Group Adv. Psychiat.; Anthropol. Asn.; Acad. Psychoanal. Psychohistorical studies; relationship between individual psychology and historical change, including study of Japanese youth; individual patterns in extreme historical situations, including Chinese thought reform; long-term reactions to the atomic bomb in Hiroshima; death symbolism; contemporary psychological styles. Publ: Thought reform and the psychology of totalitarianism: a study of brainwashing in China, Norton, 61, Gollancz, 61 & Penguin, 67; Death in life: survivors of Hiroshima, Random & Weidenfeld, 68; Revolutionary immortality: Mao Tse-tung and the Chinese cultural revolution, Random, 68. Address: Yale University School of Medicine, Dept. of Psychiatry, 333 Cedar St, New Haven, Conn. 06510.
- LIFTON, DR. WALTER M, b. Brooklyn, N.Y., Nov. 2, 18; m. 40; c. 2. PSYCHOLOGY. B.A., Brooklyn Col, 42; M.A., N.Y. Univ, 47, Ph.D.(ed), 50. Sr. voc. appraiser, vet. guid. center, Hunter Col, 46-48; res. psychologist, res. div, col. eng, N.Y. Univ, 48-50; assoc. prof. ed, Illinois, 50-59; dir. guid. pub. & serv, Sci. Res. Assocs, Inc, Ill, 59-64; COORDINATOR PUBL. PERSONNEL SERV, ROCHESTER CITY SCH. DIST, 64- Lectr, N.Y. Univ, 46-50. U.S.A., 42-46. Fel. Psychol. Asn.; Personnel & Guid. Asn. Role of empathy in counselor training; group techniques of counseling; relationship of counseling to teaching process. Publ: Working with groups, Wiley, 2nd ed, 66; ed, Keys to vocational decisions, Sci. Res. Assocs, 64; chap. In: Basic approaches to group psychotherapy counseling, C.C. Thomas, 67. Address: Rochester City School District, 13 Fitzhugh St. S, Rochester, N.Y. 14614.
- LIGGITT, PROF. EUGENE, b. Bergholz, Ohio, Nov. 29, 06; m. 37; c. 2. SOCIOLOGY. B.A., Muskingum Col, 29, hon. D.D., 47; Jamison scholar, Am. Sch. Oriental Res, Jerusalem, 32; B.Th., Pittsburgh-Xenia Theol. Sem, 32; M.Th., Bonn, 34; Princeton, 45-46. Minister, United Presby. Church, Ohio, 34-40; PROF. BIBLE & SOCIOL, GROVE CITY COL, 46- U.S.A., 41-46, Chaplain. Sociol. Asn. Social philosophy; Palestine archaeology. Address: 208 Garden Ave, Grove City, Pa. 16127.
- LIGHT, DR. ALFRED B, b. Plattsburgh, N.Y., July 24, 24; m. 53; c. 6. PSYCHOLOGY, EDUCATIONAL ADMINISTRATION. B.S., State Univ. N.Y., 50; M.S., Pennsylvania, 52; Ed.D.(admin. psychol), Pa. State, 66. Teacher, elem. schs, N.Y., 51-52; early sec. ed, STATE UNIV. N.Y. COL. PLATTSBURGH, 52-54, coordinator field serv, 54-56, asst. prof. ed. psychol, 56-60, ASSOC. PROF, 60-63, PSYCHOL, 63- Nat. Soc. Study Ed. Child rearing practices and their effect on personality and adjustment; word association and color perception; evaluation of psychology instruction. Address: Dept. of Psychology, State University of New York College at Plattsburgh, Plattsburgh, N.Y. 12901.
- LIGHT, DR. ISRAEL, b. New York, N.Y., Mar. 8, 15; m. 43. SOCIAL SCIENCE. A.B. & Ed.B., Cincinnati, 37, Ed.M., 41; Ed.D.(soc. sci), Columbia, 49. Atomic energy specialist, U.S. Off. Ed, 49; res. assoc, Am. Polit. Sci. Asn, 50; res. analyst, Am. Coun. Learned Socs, 51; res. chief spec. pubs, bur. labor statist, U.S. Dept. Labor, 51-53; tech. writer & prog. coordinator ed. activities, Nat. Cancer Inst, 54-57; info. officer & manpower specialist, engr. component, U.S. PUB. HEALTH SERV, 57-61, spec. proj. officer, bur. state serv, 61-62, spec. asst. to dir, div. res. grants, Nat. Inst. Health, 62-63, asst. chief, off. prog. anal. & inter-agency liaison, Nat. Inst. Ment. Health, 63-67, CHIEF, ED. PROG. DEVELOP. BUR. DIV. ALLIED HEALTH MANPOWER, BUR. HEALTH MANPOWER, 67- Guest lectr, inst. tech. & indust. commun, Colorado State, 61-67. U.S.A. 41-45. AAAS; Soc. Tech. Writers & Pub; Med. Writers Asn; Pub. Health Asn; Soc. Info. Sci. Social impact of science and technology; identification of scientific talent; public relations; education and training in health occupations and technical communications. Publ: Sanitary engineering manpower; Some qualitative aspects of health occupations manpower, Proc. Asn. Mgt. Pub. Health, 10/62; collaboratively planning the formal training of technical communications specialists, J. Bus. Commun, 3/67. Address: 6101 16th St. N.W, Washington, D.C. 20011.
- LIGHTHALL, PROF. FREDERICK F(RENCH), b. Stamford, Conn, Nov. 6, 30; m. 56; c. 2. EDUCATIONAL PSYCHOLOGY. A.B., Oberlin Col, 52; A.M., Yale, 54, Ph.D., 57. Asst. to dean men, Yale, 54-56; res. asst. psychol, 56-58, instr, 58-59; teacher, pub. sch, Conn, 59-60; asst. prof. ED. PSYCHOL, CHICAGO, 60-65, ASSOC. PROF, 65- AAAS; Psychol. Asn; Soc. Res. Child Develop. Theory and strategies of planned development of adaptive ego apparatuses and functions; influence of affect on cognition; impulsiveness and concept formation; planned change in school systems. Publ: Co-auth, Anxiety in elementary school children, Wiley, 60; Effects of serial position and time interval on two anxiety questionnaires, J. Gen. Psychol; A social psychologist for school systems, In: Psychology in the schools, 68. Address: Judd Hall, 5835 Kimbark, Chicago, Ill. 60637.

- LIGHTNER, DR. ARDYCE LEAH STEVENS**, b. Leigh, Nebr., July 21, 32; div. c. 2. EDUCATION. B.A., Wayne State Col., 52; M.A., Colo. State Col., 54, Ed.D. (bus. ed.), 66; South Dakota, 58-59. Instr. high sch., Nebr., 52-53; pub. schs., Mont., 62-64; asst. prof. bus. admin. & econ., Col. Great Falls, 64-66, ASSOC. PROF. ed., econ. & bus. admin., 66-67; BUS. ED. MOREHEAD STATE, 67- Teaching methodology in the area of business. Publ: Recordkeeping—fact or fiction, Balance Sheet, 1/68. Address: 1365 Sherwood Forest, Morehead, Ky. 40351.
- LIGON, PROF. ERNEST M (AYFIELD)**, b. Iowa Park, Tex., Apr. 27, 97; m. 25. PSYCHOLOGY. A.B. & A.M., Texas Christian, 21, LL.D., 48; B.D., Yale, 24, Ph.D., 27. Asst. psychol., Yale, 24-27, asst. instr., 25-27; asst. prof., Conn. Col., 27-29; UNION COL. (N.Y.), 29-39, assoc. prof., 39-44, prof., 44-62, chmn. dept., 43-62, DIR. COL. CHARACTER RES. PROJ., 35-. RES. PROF. CHILD DEVELOP., 67-. Mead Swing lectr., Oberlin Col., 47; Earl lectr., Pac. Sch. Relig., 50; lectr., child life conf., South. Baptist Convention, 59; New Orleans Family Life Inst., La., 61; Willson lectr., Wayland Baptist Col., 65 & 66. Expert consult. to U.S. Secy. War, 43-45. U.S.A., 17-18. AAAS; fel. Psychol. Asn; Psychomet. Soc. Home and youth dynamics; child development and character education. Publ: Greater generation: Dimensions of character, Macmillan, 56; co-auth., The marriage climate, Bethany, 63. Address: 10 Nott Terr., Schenectady, N.Y. 12308.
- LIJPHART, DR. AREND**, b. Apeldoorn, Netherlands, Aug. 17, 36; m. 59; c. 2. POLITICAL SCIENCE. B.A., Principia Col., 58; M.A., Yale, 59, Ph.D. (polit. sci.), 63. Instr. POLIT. SCI., Elmira Col., 61-63; ASST. PROF. CALIFORNIA, BERKELEY, 63-. Inst. Soc. Sci. res. grant, California, Berkeley, 63-64. Inst. Int. Studies res. grants, 64-68, summer faculty fel., 64. Soc. Sci. Res. Coun. res. grant-in-aid, 64. Am. Polit. Sci. Asn; Int. Polit. Sci. Asn. Colonialism and decolonization; international regional integration; voting patterns in organs of the United Nations; comparative voting behavior; social prerequisites for stable democracy. Publ: Trauma of decolonization: the Dutch and West New Guinea, Yale, 66; Politics of accommodation; pluralism and democracy in the Netherlands, Univ. California, 68; Analysis of bloc voting in the general assembly: a critique and a proposal, Am. Polit. Sci. Asn., 12/63. Address: Dept. of Political Science, University of California, Berkeley, Calif. 94720.
- LIKELY, DR. FRED A.**, b. Indianapolis, Ind., Mar. 3, 20; m. 45; c. 1. PSYCHOLOGY. A.B., DePauw, 41; Ph.D., Indiana, 52. Chief clin. psychologist, Orange County Guid. Clin., 53-57; asst. prof. PSYCHOL., ROLLINS COL., 61-67, LECTR., 67-. Psychologist, Orange County Schs., 53-55; private practice, 55-. consult., United Cerebral Palsy Asn., 58-. Suicide Prev. Center, 66-. Ord. Dept., U.S.A., 42-46. Psychol. Asn. Learning theory; psychotherapy; projective tests. Publ: Relative resistance to extinction of periodic and continuous reinforcement separately and in combination, J. Gen. Psychol., Address: 618 E. South St., Orlando, Fla. 32801.
- LIKERT, PROF. RENSIS**, b. Cheyenne, Wyo., Aug. 5, 03; m. 28; c. 2. PSYCHOLOGY. A.B., Michigan, 26; Ph.D. (psychol.), Columbia, 32; hon. Dr., Cath. Sch. Tilburg, Netherlands, 67. Asst. psychol., Columbia, 28-30; instr., N.Y. Univ., 30-33, asst. prof., 33-36; dir. res., Life Ins. Agency Mgt. Asn., Conn., 36-39; head div. progs. surv. bur. agr. econ., U.S. Dept. Agr., 39-45. 46; dir. morale div., U.S. Strategic Bombing Surv., 45-46; PROF. SOCIOL. & PSYCHOL. & DIR. INST. SOC. RES., MICHIGAN, 46-. Fel. AAAS; fel. Am. Acad. Arts & Sci; fel. Psychol. Asn; fel. Sociol. Asn; fel. Statist. Asn. (v. pres., 53-55, pres., 59); Mkt. Asn; Indust. Rels. Res. Asn; Inst. Mgt. Sci. Sample interview survey research; attitude and motivation measurement; leadership and organizational performance. Publ: Co-auth., Public opinion and the individual; auth., New patterns of management; The human organization: its management and value, McGraw, 67. Address: Institute for Social Research, University of Michigan, Box 1248, Ann Arbor, Mich. 48106.
- LIKES, DR. DAVID HENRY**, b. New York, N.Y., Aug. 4, 14; m. 48; c. 2. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A., Hopkins, 36; fel., Georgetown, 47-48, M.A., 48, Ph.D. (polit. sci.), 49. Faculty int. rels., Nat. War Col., 59-61; staff mem. mil. strategy, Aero-Space Studies Inst., 61-63; ASSOC. PROF. INT. STUDIES & CHMN. DEPT., SOUTHWESTERN AT MEMPHIS, 63-. Ford. Found. faculty fel., Duke, 67-68. U.S.A.F., 41-63, Col. International relations; foreign policy of the United States: theory and structure of national security policy; government and politics of South Asia, especially political development and politics of emerging nations. Publ: Guerrilla warfare, World War II & co-auth., Organization of Department of Defense, Air Univ., 63. Address: 2905 Fargo Rd., Memphis, Tenn. 38128.
- LILIENFELD, DR. A (BRAHAM) M (ORRIS)**, Epidemiol., Biostatist., see 11th ed, Phys. & Biol. Vols.
- LILLIEFORS, DR. HUBERT W.**, Statist., see 11th ed, Phys. & Biol. Vols.
- LILLY, DR. EDWARD P (AUL)**, Mod. U.S. Diplomatic Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LIM, DR. YOUNGIL**, b. Bakchon, Korea, June 12, 32; m. 59; c. 2. ECONOMICS. B.A., Harvard, 58; Haynes Found. fel. & M.A., California, Los Angeles, 63, Ph.D. (econ), 65. ASST. PROF. ECON., HAWAII, 64-. Fulbright-Hays Center faculty fel., 68. Am. Econ. Asn; Economet. Soc; Royal Econ. Soc. Economic development of underdeveloped countries. Publ: Trade and growth: the case of Ceylon, Econ. Develop. & Cultural Change, 4/68; Foreign influence on the changes of Korean economy: a survey, J. Asian Studies, 11/68. Address: Dept. of Economics, University of Hawaii, Honolulu, Hawaii 96822.
- LIMBACHER, DR. WALTER J (OSEPH)**, b. North Braddock, Pa., Feb. 11, 20; m. 52; c. 1. PSYCHOLOGY. B.A., Duquesne, 48; M.S., Pittsburgh, 50, Ph.D. (psychol.), 52. Clin. psychologist, Med. Serv. Corps, U.S. Army, Ft. Lee, Va., 51, Indiantown Gap Mil. Reservation, Pa., 52, Ft. Bragg, N.C., 53-54, asst. chief clin. psychol. serv., Valley Forge Army Hosp., Phoenixville, Pa., 54-57, chief clin. psychol. serv., Fitzsimons Gen. Hosp., 57-68; CHIEF PRIMARY PREV. MENT. HEALTH TEAM, DENVER GEN. HOSP., 68-. Dipl., Am. Bd. Exam. Prfnl. Psychol. U.S.N.R., 44-46; U.S.A., 49-68, Maj. Psychol. Asn. Projective evaluation; family group therapy; parent child relations; primary prevention in community mental health; elementary mental health training. Address: 13007 E. Second Ave., Aurora, Colo. 80010.
- LIMMER, DR. EZEKIEL**, b. Galatz, Roumania, May 1, 12; nat; m. 47; c. 2. ECONOMICS. A.B., Brown, 33; A.M., Columbia, 34; Ph.D. (econ), American Univ., 42. Transportation economist, Interstate Commerce Cmn., 35-38; U.S. Dept. Agr., 38-42, 43-51, 53-56; statistician, War Assets Admin., 46-48; econ. statistician, Off. Salary Stabilization, 51-53; SUPPLY. AIR TRANSPORT EXAMINER, CIVIL AERONAUT. BD., 56-. Lectr., American Univ., 49-54, prof. lectr., 55-. U.S.A., 42-46, Capt. Econ. Asn. Transportation economics; statistics; management reporting; air transportation. Publ: Chief factors underlying general changes in rail freight rates; Freight excise tax on the transportation of property; Agricultural exemptions from federal motor carrier regulation. Address: 812 Malcolm Dr., Silver Spring, Md. 20901.
- LIN, DR. S (UE) C (HN)**, b. Taipei, China, Nov. 8, 36; m. 62; c. 1. MATHEMATICS, APPLIED MATHEMATICS. M.A., California, Berkeley, 64, Ph.D. (appl. math), 67. ASST. PROF. MATH., MIAMI, (FLA.), 67-. Math. Soc. Operator theory; functional analysis. Publ: Wave operators and similarity for generators of semi-groups in Banach spaces, Trans. Am. Math. Soc., (in press). Address: 7445 S.W. 99th St., Miami, Fla. 33156.
- LIN, DR. YI GUANG**, b. Foochow, China, Sept. 15, 31; m. 60; c. 2. PSYCHOLOGY. B.S., Taiwan, 54; Ph.D. (psychol.), Michigan, 62. ASST. RES. PSYCHOLOGIST, MICHIGAN, 60-. Statist. consult., Mich. Epilepsy Center, 62-. Psychol. Asn; Int. Neuropsychol. Soc. Individual differences: self-concept; teaching methods; computer application for psychological research. Publ: Co-auth., Student achievement motives, achievement cues, and academic achievement, J. Consult. & Clin. Psychol., 68 & Neuropsychological and psychosocial predictors of employability in epilepsy, J. Clin. Psychol., 68. Address: 332 S. State St., Ann Arbor, Mich. 48108.
- LINAMEN, PROF. HAROLD F.**, b. Hill City, Pa., Dec. 3, 21; m. 50; c. 2. ECONOMICS. B.S., Pa. State Teachers Col. (Indiana), 43; M.S. Columbia, 48, Ed.D., 56; California, 48-49. Lab. asst. acct. Columbia, 47-48; asst. California, 48, assoc. 49; instr. acct. & bus. admin., ANDERSON COL. (IND.), 49-54, asst. prof. bus. & econ., 54-59, assoc. prof. econ., 59-63. PROF. BUS. & ECON., 63-. CHMN. DEPT., 65-. Danforth assoc. 58-62; Ford Found. fel. Indiana, 59; Ohio Oil Co. fel. 62; summers. Gen. Elective Found. fel. to attend prog. Univ. Chicago, 63, fel. Case, 66. Partner, Falls & Linamen Accts., 53-62; res. assoc., Ind. Cmn. State Tax & Financing Policy, 57-59, 61-62; resource person. bd. pensions. Church of God, 64-. counsr. Kardatzke Mem. Marriage & Family Center, 66-. Chmn. bd. dirs. Christian Center. Anderson, Ind. & dist. cmt. Kikthawend Coun. U.S.A., 43-46. Econ. Asn. Business practices adapted to church use. Publ: Business handbook for churches; Success in money matters: co-auth. Current studies of Indiana tax policy, Ind. Cmn. State Tax & Financing Policy, 63. Address: Dept. of Business & Economics, Anderson College, Anderson, Ind. 46011.
- LINCOLN, DEAN A (RLEIGH) L (EON)**, Sociol., see 10th ed, Soc. & Behav. Vols., deceased 66.
- LINCOLN, PROF. C (HARLES) ERIC**, b. Athens, Ala., June 23, 24; m. 61; c. 3. SOCIOLOGY. A.B., Le Moyne Col. (Tenn.), 47; A.M., Fisk, 54; B.D., Chicago, 56; M.Ed. & Ph.D. (soc. ethics), Boston, 60. Asst. prof. relig. & philos., Clark Col., 54-57, assoc. prof. soc. rels., 60-61, PROF., 61-65; social, Portland State Col., 65-67; SOCIOL. & RELIG., UNION THEOL. SEM., 67-. Averill lectr., Colby Col., 62; lectr. residence, Dartmouth, 62; Centennial lectr., Wayne State, 63; Ford Found. intern. Brown, 64-65; lectr., Int. Conf. Color, Copenhagen, 65; vis. scientist, Am. Sociol. Asn., 65; lectr., Am. Specialists Abroad, 65. Consult. center conflict resolution, Michigan, 67; res. adv. coun., U.S. Dept. Ed., 67-. Soc. Sci. Study Relig; Soc. Psychol. Study Social Issues: Sociol. Asn; Asn. Intergroup Rels. Officials: Acad. Polit. & Soc. Sci. Minority group relations: sociology of religion. Publ: The Black Muslims in America, Beacon, 61; The Negro pilgrimage in America, Bantam, 67; Sounds of the struggle, Morrow, 67. Address: Dept. of Sociology & Religion, Union Theological Seminary, 3041 Broadway, New York, N.Y. 10027.
- LINCOLN, DR. EDWARD A (NDREWS)**, b. Raynham, Mass., Oct. 3, 89; m. 21; c. 2. PSYCHOLOGY. A.B., Harvard, 13, A.M., 16, Ed.D., 24. Instr. ed. grad. sch. ed., Harvard, 22-24, asst. prof., 24-35; consult. psychologist, 35-60; RETIRED. Lectr., California, 34. Psychologist, Cambridge Somerville Youth Study, 37-39; Glueck Delinquency Study, 41-43. Mem. World Fedn. Ment. Health. Psychol. Serv., 17-18; Sanit. C., 18-20, 1st Lt. AAAS; Psychol. Asn; Personnel & Guid. Asn; Ed. Res. Asn. Educational measurement: sex differences; problem and delinquent children. Publ: Beginnings in educational measurement; Sex differences in the growth of American school children: Testing and the uses of test results. Address: Thompson St., Halifax, Mass. 02338.
- LINCOLN, COL. G (EORGE) A (RTHUR)**, U.S.A. b. Harbor Beach, Mich., July 20, 07; m. 36; c. 4. SOCIAL SCIENCE. B.S., U.S. Mil. Acad., 29; B.A., Oxford, 32, M.A., 38; hon. LL.D., Pittsburgh, 68. U.S. ARMY, 29-. asst. prof. econ. & govt., U.S. MIL. ACAD., 37-41, PROF. SOC. SCI., 47-. HEAD DEPT., 54-. Econ. Asn; Am. Geog. Soc; Polit. Sci. Asn; Hist. Asn; Acad. Polit. Sci. Political-military policy; security economics; international affairs. Publ: Co-auth., International politics, Economics of national security & Dynamics of international politics. Address: Dept. of Social Sciences, U.S. Military Academy, West Point, N.Y. 10996.
- LINCOLN, DR. ROBERT S (TANLEY)**, b. Belvidere, Ill., Aug. 20, 23; m. 45; c. 3. PSYCHOLOGY. B.A., Cornell Col., 47; M.A., Minnesota, 47; M.S. Wisconsin, 50, univ. fel., 51-52, Ph.D. (psychol.), 52. Res. assoc. psychol., Hopkins, 52-55; training specialist, Rand Corp., 55-58; sr. eng. psychologist, Lockheed Missile & Space Co., Calif., 58-67; INSTR. PSYCHOL. DE ANZA COL., 67-. U.S.M.C., 43-46. Human Factors Soc. Motor skills and computer applications in performance measurement. Publ: Co-auth., Systematic analysis of factors determining accuracy in visual tracking, Science, An integrated approach to evaluating the performance capabilities and physio-

logical state of spacecraft crews, Vol. V, 65, In: Science & technology series, Am. Astron. Soc. & Human factors aspects of digital computer programming for simulator control, Human Factors, 65. Address: 1591 Dana Ave, Palo Alto, Calif. 94303.

LIND, DR. ALDEN E(SCOTT), b. Duluth, Minn, Mar. 24, 35; m. 59. POLITICAL SCIENCE. B.A. Reed Col, 60; Ph.D.(polit. sci), Oregon, 66. Res. assoc, Oregon, 64-65; ASST. PROF. POLIT. SCI, NORTH CAROLINA, CHAPEL HILL, 65-, faculty computer studies fel, 67-69. Polit. Sci. Asn; Statist. Asn. Political psychology; computer applications in social science; data acquisition and analysis methods in political science. Publ: Co-auth, Introduction to political science, Harcourt, (in press). Address: Dept. of Political Science, University of North Carolina, Chapel Hill, N.C. 27515.

LIND, PROF. ANDREW W(ILLIAM), b. Seattle, Wash, Oct. 27, 01. SOCIOLOGY. A.B. Washington (Seattle), 24, fel, 24-25, A.M. 25; res. fel, Chicago, 25-27, Ph.D. 31. Res. assoc, HAWAII, 27-30, asst. prof. sociol, 31-35, assoc. prof, 35-42, prof, 42-51, sr. prof, 51-67, dir. soc. res. lab, 43-61, dean grad. div, 47-51, EMER. SR. PROF. SOCIOLOGY, 68- Vis. prof, Fisk, 47-48; Fulbright award, 55, lectr, Thailand, 60 & res. grant, New Guinea, 68. Dir, Conf. Race. Rels. in World Perspective, Hawaii, 54; mem. long range planning team ed. & cultural exchange, U.S. Dept. State, 67. Fel. AAAS; Spciol. Asn. Race relations; human ecology; social psychology. Publ: Island community, ecological succession in Hawaii; Hawaii's Japanese, experiment in democracy; Hawaii's people. Address: 2609 Doris Place, Honolulu, Hawaii 96822.

LINDAHL, DR. LAWRENCE G(AYLORD), b. Wausau, Nebr, July 2, 01; m. 28; c. 1. INDUSTRIAL PSYCHOLOGY. B.A. Iowa, 24; M.A. Wisconsin, 28; Ph.D.(psychol), Purdue, 44; Minnesota, 29; Carnegie Inst. Tech, 30. Prof. & head dept, State Teachers Col, Nebr, 30-42; instr. indust. ed, Purdue, 42-43; training superv, personnel dept, P.R. Mallory & Co, Ind, 43-44; indust. psychologist & dir, inst, Gunnison Homes, Inc, Ind, 44-45; personnel dir, Todd Co, Inc, 45-50; private practice personnel & psychol. serv, 50-59; PROF. BUS. ADMIN. & DIR. MGT. CENTER, DRAKE, 59- Prof, Toledo, 53-56; vis. Fulbright prof, Ain Shams, Cairo, 66-67; Fulbright consult, Athenian Inst. Anthropol, Athens, Greece, 67-68. Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. AAAS; fel. Psychol. Asn. Employee selection; employee and supervisory training; employee attitudes. Publ: Movement analysis as an industrial training method; What makes a good job; Tailor-made management development program. Address: 2914 Garden Ridge, Des Moines, Iowa 50310.

LINDAHL, PROF. MARTIN L(ROY), b. Winton, Minn, Apr. 29, 03. ECONOMICS. A.B. Carleton Col, 24; A.M. Washington (Seattle), 27; fel, Brookings Inst, 30-31; Ph.D. Michigan, 33; hon. A.M. Dartmouth Col, 40. From instr. to PROF. ECON, DARTMOUTH COL, 31-, chmn. dept. econ, 53-57, 62-63, chmn. pub. admin, 59-63. Summer. vis.prof, Michigan, 37, 47, 59, 60, Brown, 62-63. Prin. transportation economist, Bd. Invest. & Res, 40, 43. Mem. transportation coun, U.S. Dept. Commerce, 57-61; res. adv. cmt, New Eng. Coun, 61-, chmn, 66, mem. transportation cmt, 61- Econ. Asn. Public control of industry; transportation; public utilities. Publ: Corporate concentration and public policy; New England Railroads, New Eng. Res. Found, 8/65; Antitrust Laws and transportation, Antitrust Bull, 1-4/66. Address: Dept. of Economics, Dartmouth College, Hanover, N.H. 03755.

LINDAUER, DR. JOHN HOWARD, b. Bloomfield, N.J, Nov. 20, 37; m. 60; c. 2. ECONOMICS. B.S. Arizona State, 60; Nat. Defense Ed. Act fel, Okla. State, 60-63, Ph.D.(econ), 64. Asst. prof. ECON, Occidental Col, 64-66; ASSOC. PROF, CLAREMONT MEN'S COL, 66- U.S.A. 55-58. Econ. Asn. Monetary and fiscal policy; taxes of the Punjab region of India; causes of inflation. Publ: Macroeconomics, Wiley, 68; co-auth, Effects of the Punjab land tax, Nat. Tax J, 12/66; auth, Effects of selected methods to improve unemployment rates used to identify depressed areas, Indust. & Labor Rels. Rev, 4/67. Address: Dept. of Economics, Claremont Men's College, Claremont, Calif. 91711.

LINDBECK, DR. JOHN M(ATTHEW) H(ENRY), b. China, July 8, 15; m. 43, 56; c. 4. GOVERNMENT. A.B. Gustavus Adolphus Col, 37; Am. Coun. Learned Socs. scholar, 38; B.D. Yale, 40, Ph.D. 48; Rockefeller fel, Harvard, 46-48. Asst. prof. polit. sci, Yale, 48-49, Far. East. studies, 49-52; pub. affairs officer Chinese affairs, U.S. Dept. State, 52-58; dep. dir. res. prof. men & polit. in mod. China, Columbia, 58-59; res. fel. Chinese studies, Harvard, 59-67, assoc. dir. E.Asian Res. Center, 60-67; DIR. E.ASIAN INST, COLUMBIA, 67- Lectr, For. Serv. Inst, 54-56; Army War Col, 55; mem. Seminar Mod. E.Asia, Columbia, 58-; Bernadotte Inst. lectr, 59. Dir. Chinese Mat. & Res. Aids Center, Asn. Asian Studies, Taiwan, 64-; Univs. Serv. Center, Hong Kong, 65- Consult, U.S. Dept. Health, Ed. & Welfare, 67- Mem. study group on China, Coun. For. Rels, 58-59, study group Southeast Asia, 59-60; joint cmt. contemporary China, Am. Coun. Learned Socs-Social Sci. Res. Coun, 59-, secy, 59-61, chmn, 64-, rep. arrangement cmt. Soc. Sci. Res. Coun, mem. cmt. scholarly commun. with mainland China, Nat. Acad. Sci.-Am. Coun. Learned Socs-Soc. Sci. Res. Coun, 66-; v.chmn, Int. Cmt. Chinese Studies, Ed. & World Affairs, 62-66. U.S.N. 42-46, Lt. AAAS; Polit. Sci. Asn; Hist. Asn; Asn. Asian Studies. Modern Far Eastern history; cultural change; Chinese government and international relations. Publ: China and American Far Eastern policy, U.S. Dept. State Bull; China problem today, Ann. Am. Acad. Polit. & Soc. Sci; Organization and development of science in Communist China, China Quart. Address: East Asian Institute, Columbia University, New York, N.Y. 10027.

LINDBERG, DR. JAMES B(ECKWITH), b. Chicago, Ill, June 5, 28; m. 51; c. 2. GEOGRAPHY. B.A. Denison, 50; M.B.A. Michigan, 52; Ph.D.(geog), Wisconsin, 62. Petroleum economist, Standard Oil Co, Ind, 55-57; instr. GEOG, IOWA, 60-63, asst. prof, 63-66, ASSOC. PROF, 66- U.S.A.F. 52-55, Capt. Asn. Am. Geog; Regional Sci. Asn. Industrial location; central place systems. Publ: Co-auth, Preface to economic geography, Prentice-Hall, 66. Address: Dept. of Geography, University of Iowa, Iowa City, Iowa 52240.

LINDBERG, DR. LEON NORD, b. Chicago, Ill, June 18, 32; m. 55; c. 2. POLITICAL SCIENCE. A.B. California, Berkeley, 55, Ford Found. fel, 55-56, M.A., 57, Soc. Sci. Res. Coun. fel, 59-61, Ph.D.(polit. sci), 62. Asst. prof.

POLIT. SCI, WISCONSIN, MADISON, 61-64, ASSOC. PROF, 64- Rockefeller Found. fel, 63-64; Am. Philos. Soc. grants, 63-64; res. fel, Center Int. Affairs, Harvard, 64-65, 67; lect, Harvard; Princeton; Fla. State; Tulane; La. State. Mem. adv. panel on policy toward developed countries, policy planning coun, U.S. Dept. State, 67- Polit. Sci. Asn. Politics and economics of European integration; comparative politics in western Europe; United States-European relations; childhood political socialization; political culture and value systems. Publ: Political dynamics of European economic integration, Stanford, 63; Integration as a source of stress in the European community, Int. Orgn, 66; co-auth, Political socialization to democratic orientations in four western countries, Comp. Polit. Studies, 68. Address: Dept. of Political Science, University of Wisconsin, Madison, Wis. 53706.

LINDBLOM, PROF. CHARLES E(DWARD), b. Turlock, Calif, Mar. 21, 17; m. 42; c. 3. ECONOMICS. A.B. Stanford, 37; Ph.D.(econ), Chicago, 45. Instr. econ, Minnesota, 39-46; asst. prof, YALE, 46-49, assoc. prof, 49-61, PROF. ECON, 61-, POLIT. SCI, 65- Guggenheim fel, 50-51; fel, Center Adv. Study Behav. Sci, 54-55. Econ. adv. to dir, U.S. Agency Int. Develop. Mission, India, 63-65. Planning; political development. Publ: Politics, economics and welfare; co-auth, A strategy of Denison, 63 & auth, The intelligence of democracy, 65, Macmillan. Address: Strathcona Hall, Yale University, New Haven, Conn. 06520.

LINDBLOM, DR. THEODORE R, b. Buhl, Minn, Aug. 4, 22; m. 48; c. 3. PSYCHOLOGY. Ph.D.(psychol), Minnesota, 52. Res. analyst, Prudential Ins. Co, N.J, 51-52; training dir, Midland Coop, Minn, 52-57; psychologist, Rohrer, Hibler & Replegle, 57-63; private practice, 63- U.S.A.A.F. 43-46. Psychol. Asn. Manpower development; employee selection; attitude measurement. Publ: Supervisory training and employee attitudes, J. Indust. Training; co-auth, Evaluating the results of supervisory training, Personnel & Attitudes toward the employment of older people, J. Appl. Psychol. Address: 4008 N. Fairview Ave, St. Paul, Minn. 55112.

LINDEBORG, DR. KARL H(ARTVIG), b. Copenhagen, Denmark, Dec. 3, 20; m. 45; c. 1. AGRICULTURAL ECONOMICS. B.S. Royal Vet. & Agr. Col, Denmark, 47; M.S. Utah State, 57; Ph.D.(agr. econ), Ore. State Col, 59. Asst. mgr, State Res. Inst, Copenhagen, Denmark, 49-54; asst. prof. AGR. ECON, IDAHO, 59-64, ASSOC. PROF, 64- Rector Aarupgaard Sch. Agr. Horsens, Denmark, 62-; Fulbright res. scholar, Oslo, 67-68. Agr. Econ. Asn; Nat. Econ. Soc, Denmark. Water resources; production economics. Address: Dept. of Agricultural Economics, University of Idaho, Moscow, Idaho 83843.

LINDELIN, WALLACE B, b. N.Dak, Aug. 21, 24; m. 49; c. 4. PSYCHOLOGY. M.A. Southern California, 54. Regional adminstr. & mkt. res. analyst to asst. mgr. corp. planning, Anheuser-Busch, Inc, 54-61; invest. banker, Dempsey-Tegeler, Inc, 61-63, PARTNER, RES. ASSOCS, 63- U.S.M.C. 42-45. Marketing systems, economic analysis; business and industrial psychology. Address: 10801 Fullbright Ave, Chatsworth, Calif. 91311.

LINDEMAN, DR. RICHARD H(AROLD), b. Oak Park, Ill, Apr. 21, 26; m. 53; c. 1. STATISTICS. B.S. Beloit Col, 49; M.S. Wisconsin, 51, Ph.D.(ed), 58; fel, Minnesota, 57-58. Res. assoc, bur. inst. res, Minnesota, 58-59, asst. prof. & asst. to adv. of pres, from Univ-Int. Coun. Admin. to Seoul Nat. Univ, 59-61; ASSOC. PROF. PSYCHOL. & ED. TEACHERS COL, COLUMBIA, 61- U.S.N.R. 44-46. Statist. Asn; Inst. Math. Statist; Nat. Coun. Measurement in Ed. Educational measurements and statistics; administrative research in higher education. Address: Dept. of Education, Teachers College, Columbia University, New York, N.Y. 10027.

LINDEMANN, DR. JAMES E(ARL), b. Tamaqua, Pa, May 11, 27; m. 53; c. 3. PSYCHOLOGY. B.S. Pa. State, 50, M.S. 51, Ph.D.(psychol), 54. Intern psychol, Vet. Admin. Hosp, Newington, Conn, 51-52, Lebanon, Pa, 53, from clin. psychologist to coordinator counseling, Perry Point, Md, 54-60, chief psychol. serv, Salisbury, N.C. 60-63; ASSOC. PROF. MED. PSYCHOL, MED. SCH, OREGON, 63- Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.N. 45-46. Psychol. Asn; Rehab. Asn. Schizophrenia; counseling; group methods. Publ: Use of demographic characteristics in predicting length of neuropsychiatric hospital stay, J. Consult. Psychol; Conforming behavior of psychiatric and medical patients, J. Abnorm. & Soc. Psychol. Address: University of Oregon Medical School, Portland, Ore. 97201.

LINDEN, DR. JAMES D(ILLON), b. Chicago, Ill, Feb. 7, 29. PSYCHOLOGY. A.B. Illinois, 50; M.A. DePaul, 55; Ph.D.(clin. counseling psychol), Purdue, 58. Instr. high schs, Ill, 51-55; asst. PSYCHOL, Purdue, 55-57; staff counsr, Washington State, 57-58; asst. prof, PURDUE, 58-62, ASSOC. PROF, 62- Licensed Beverage Indus, Inc. res. grant, 67- Res. consult, Dyslexia Mem. Int, Chicago, 61-; clin. psychol. training consult, Vet. Admin, 62-; Cent. State Hosp, 67- Asn. Counselor Ed. & Supv; Asn. Measurement Guid. & Eval; Research Soc; Psychol. Asn; Personnel & Guid. Asn; Nat. Coun. Measurement in Ed; Nat. Rehab. Counseling Asn. Variables related to counselor effectiveness; test construction, especially objective measurements of habitual behavior; methodological procedures for the refinement of habitual behavior criterion measures; multivariate criterion group classification. Publ: Co-auth, Mental measurement: a historical perspective, 68 & Tests on trial, 68, Houghton; co-auth, Development and evaluation of an inventory for rating counseling, Personnel & Guid. J, 65. Address: Dept. of Psychology, Purdue University, Lafayette, Ind. 47907.

LINDEN, DR. K(ATHRYN) W(OLAVER), b. Albion, Ind, Aug. 13, 25; m. 63; c. 4. EDUCATIONAL PSYCHOLOGY. B.S. Purdue, 57, M.S. 59, Ph.D.(ed. psychol), 64. Teacher, pub. schs, Ind, 57-61; instr. ED. PSYCHOL, PURDUE, 63, ASST. PROF, 63- Psychol. Asn; Personnel & Guid. Asn; Nat. Coun. Measurement in Ed; Soc. Res. Child Develop. Personality and attitude assessment; classroom achievement assessment. Publ: Modern mental measurement: a historical perspective, 68 & co-auth, Tests on trial, 68, Houghton. Address: Purdue University, SCC-G, West Lafayette, Ind. 47907.

LINDENFELD, DR. FRANK, b. Vienna, Austria, Mar. 4, 34; m. 60; c. 1. SOCIOLOGY. B.A. Cornell, 55; M.A. Columbia, 58, Ph.D. 61. Instr. sociol, Massachusetts, 57-58; Middlebury Col, 58-59; asst. sociol. ed, U.S. Off. Ed, 59-62; ASST. PROF. SOCIOLOGY, Maryland, 62-64; CALIF. STATE COL.

LOS ANGELES, 64- U.S. Off. Ed. summer fel, 62. Consult, U.S. Off. Ed. Opportunity, San Francisco, 66-67. Dir, Summerhill West Sch, 67- Sociol. Asn. Political sociology; sociology of education; sociology of utopias. Publ: Reader in political sociology, Funk, 68; A radical approach to social problems: a reader in critical sociology, Macmillan, 68. Address: Dept. of Sociology, California State College at Los Angeles, Los Angeles, Calif. 90032.

LINDENTHAL, DR. JACOB JAY, b. Roanoke, Va, July 21, 41; m. 86. SOCIOLOGY. B.A. & B.H.L., Yeshiva, 63, M.A., 67; M.A., Yale, 66, U.S. Pub. Health Serv. fel. & Ph.D.(sociol), 67. RES. STAFF SOCIOLOGIST, YALE, 67- Sociol. Asn. Medical sociology; family; sociology of religion; social psychiatry. Address: 1965 Yale Station, New Haven, Conn. 06520.

LINDER, PROF. FORREST E(DWARD), b. Waltham, Mass, Nov. 21, 06; m. 31; c. 2. STATISTICS, DEMOGRAPHY. B.A. Iowa, 30, M.A., 31, fel, 31-32, Ph.D.(psychol, math), 32. Assoc. statistician, mem. found. neuro-endocrine res, Worcester State Hosp, Mass, 32-35; statistician, div. vital statist, U.S. Bur. Census, 35-42; dep. chief, nat. off. vital statist, U.S. Pub. Health Serv, 42-46; chief, demog. & soc. statist. bur, UN, 47-56; dir. U.S. nat. health surv, U.S. Pub. Health Serv, 57-60; U.S. Nat. Center Health Statist, 60-67; PROF. BIOSTATIST, SCH. PUB. HEALTH, NORTH CAROLINA, CHAPEL HILL, 67- Consult, Nat. Govt. Uruguay, 39-40; Govt. India, 60; Ford Found, 62, 64; WHO, 66-; Res. Triangle Inst, 67-; Nat. Indust. Conf. Bd, 67-; Nat. Center Health Statist, 67- Mem, Inter-Am. Statist. Inst, 46-; expert cmt. health statist, WHO, 57- Distinguished Serv. Award, Dept. Health, Ed. & Welfare, 66. U.S.N., 44-46, Comdr. AAAS; fel. Statist. Asn; Pop. Asn; fel. Pub. Health Asn.(Bronfman Prize, 67); Int. Union Sci. Study of Pop; Int. Statist. Inst. Demography; population measurement methods; vital and health statistics; statistical organization; systems analysis. Publ: Some principles of statistical organization underlying the U.S. Center for Health Statistics, Int. Statist. Inst. Rev, 1/62; The increased scope of demographic investigations through the use of sampling surveys, UN World Pop. Conf, 9/65; Health of the American people, Sci. Am, 6/66. Address: Dept. of Biostatistics, University of North Carolina School of Public Health, Chapel Hill, N.C., 27514.

LINDER, PROF. IRENE C(HRISTINE), b. Hartley, Iowa, Sept. 18, 15. SOCIOLOGY. B.S. Drake, 37, M.A., 41, Ph.D., 56. Teacher, high sch, Iowa, 37-42, prin, 42-44; teacher soc. sci, Japanese Relocation Proj, Idaho, 44; case-worker home serv, dept. greater Cleveland Chapter, Am. Red Cross, 45-46; prof. SOCIOL, Nat. Col. Ed, 46-48; PROF, ALMA COL, 58- Fel. Sociol. Asn; Soc. Study Social Probs. Some factors influencing women to choose church related vocations; occupational sociology. Address: Dept. of Sociology, Alma College, Alma, Mich. 48801.

LINDER, DR. L(EROY) H(AROLD), b. Minneapolis, Minn, Feb. 6, 17, m. 44; c. 3. INFORMATION SCIENCE. B.A. Minnesota, 39, B.S., 40, M.S., 49; Ph.D. (library sci), Chicago, 58. Library asst. & head serials div, library, Minnesota, 40-43, prin. libr. serials div, 47-49; libr. nat. reactor test sta, U.S. Atomic Energy Cmn, 52-54; asst. prof. library sci, Texas, 54-58; assoc. prof, Southern California, 58-59; MGR. TECH. INFO. SERV, AERONUTRONIC DIV, PHILCO-FORD CORP, 59- U.S.A., 43-46, M/Sgt. Soc. Info. Sci; Library Asn; Spec. Libraries Asn; Soc. Metals; Research Soc. Current national bibliography and information storage and retrieval. Publ: Rise of current complete national bibliography, Scarecrow, 59; Indexing costs for 10,000 documents, 26th Annual Meeting Papers, Am. Document. Inst, 63; Comparative costs of document indexing and book cataloging, Spec. Librarians, 12/65. Address: 2566 Oxford Lane, Costa Mesa, Calif. 92626.

LINDESMITH, PROF. ALFRED R(AY), b. Owatonna, Minn, Aug. 3, 05. SOCIOLOGY. A.B. Carleton Col, 27; A.M. Columbia, 30; Ph.D., Chicago, 37. Instr. SOCIOL, INDIANA, 38-39, asst. prof, 38-46, assoc. prof, 46-54, prof, 54-65, UNIV. PROF, 65- Vis. assoc. prof, Southern California, 50-51; Fulbright grant, Indiana, 52-53. U.S.A.A.F., 43-45. Sociol. Asn; Soc. Study Social Probs.(pres, 59-60). Criminology. Publ: Opiate addiction; Social psychology; The addict and the law, Indiana Univ, 65. Address: Dept. of Sociology, Indiana University, Bloomington, Ind. 47401.

LINDGREN, PROF. HENRY CLAY, b. Sacramento, Calif, Apr. 12, 14; m. 35; c. 1. PSYCHOLOGY. A.B. Stanford, 34, A.M., 35, Ph.D.(ed), 42. Teacher, intermediate sch, Hawaii, 35-37; sales mgr, T.K. Barker & Co, Calif, 37-40; teacher, Brown Mil. Acad, 41-42; asst. chief, adv. & guid. div, Vet. Admin, 46-47; assoc. prof. PSYCHOL, SAN FRANCISCO STATE COL, 47-55, PROF, 55-, dir. counseling center, 47-49. Lectr, San Francisco Adult Schs, 51-; Fulbright lectr, Univ. Rome, 56-57; vis. prof, American Univ. Beirut, 64-65. Consult, Vet. Admin, 60-; UNESCO consult, seminar, Regional Center Ed. Res, Univ. São Paulo, 62-65. Mem, World Fedn. Ment. Health. U.S.N., 42-46, Lt. Comdr. AAAS; Psychol. Asn; Inter-Am. Soc. Psychol; Int. Coun. Psychol. Social psychology; educational psychology; social and emotional factors in learning and achievement. Publ: Educational Psychology in the classroom, Wiley, 67; Psychology of personal development, Am. Book Co, 64; co-auth, Psychology, an introduction to a behavioral science, Wiley, 66. Address: 1975 15th Ave, San Francisco, Calif. 94116.

LINDHOLM, DEAN RICHARD W(ADSWORTH), b. North Mankato, Minn, June 11, 14; m. 48; c. 1. ECONOMICS. B.A., Gustavus Adolphus Col, 35; M.A., Minnesota, 38; Ph.D.(econ), Texas, 42. Instr. econ, Col. St. Thomas, 39-40; Texas, 40-41; asst. prof, Agr. & Mech. Col, Tex, 41-42; Ohio State, 45-48; from assoc. prof. to PROF, Mich. State, 48-58; PROF. BUS. ECON, OREGON, 58-, DEAN GRAD. SCH. MGT. & BUS, 67-, sch. bus. admin, 58-67. Economist, div. res. & stat. fed. Res. Bd, 51-52; Fulbright lectr, Pakistan, 53; fiscal economist, Int. Coop. Admin, Vietnam, 55-56. Consult, Ministry Finance, Pakistan, 53; Repub. Vietnam, 56; First Nat. Bank Ore, 61-; bd. gov. Fed. Reserve Syst, 64-65; U.S. Dept. Commerce, 67. U.S.A., 42-45. Econ. Asn; Finance Asn. Fiscal and monetary policy for economic stability and the development of Southeast Asia. Publ: Co-auth, Our American economy, Harcourt, 64; auth, Economic development policy, Univ. Oregon, 65; Property taxation—USA, Univ. Wisconsin, 67. Address: 1957 Potter St, Eugene, Ore. 97405.

LINDLEY, CLYDE J(OE), b. Granite City, Ill, May 7, 15; m. 40; c. 2. PSYCHOLOGY. A.B., Missouri, 37, M.A., 38; Minnesota, 38-41. Chief prinl. pub. advisement & guid. serv, VET. ADMIN, 46-51, spec. asst. to dir. psychiat, neurol. & psychol. serv, DEPT. MED. & SURG, 51-62, assoc. dir. planning, 62-66; EXEC. SECY. SPEC. MED. ADV. GROUP, 67-, exec. secy. coop. chemother. studies in psychiat, 57-62. Lectr, George Washington, 46- Secy-treas, Am. Bd. Counseling Serv, 60-63, pres, 63-66. U.S.A., 41-46, Res, 37-, Col. Psychol. Asn; Personnel & Guid. Asn. Evaluation of counseling and of group methods in teaching; most effective use of consultants who are members of national advisory councils. Publ: Ed, Research in chemotherapy in mental illness, Vols. I-VI; co-auth, Recent advances in Veterans Administration psychiatry, In: Current psychiatric therapy; auth, History, functions and organization of American Board on Counseling Services, In: Directory of approved counseling services, 65-66. Address: Special Medical Advisory Group, Dept. of Medicine & Surgery, Veterans Administration, 810 Vermont Ave. N.W., Washington, D.C. 20420.

LINDLEY, ERNEST K(IDDER), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LINDLEY, PROF. RICHARD HENRY, b. San Francisco, Calif, Jan. 16, 27; m. 59; c. 2. PSYCHOLOGY. A.B., California, 51, Ph.D., 57. Asst. prof. PSYCHOL, Carnegie Inst. Tech, 57-61; Trinity (Tex), 61-62, assoc. prof, 62-64; PROF, Eastern Michigan, 64-65; CALIF. STATE COL. FULLERTON, 65- Assoc. res. scientist, Am. Inst. Res, 59-61; Nat. Sci. Found. res. grants, 63-68 & proj. dir, grant equip. undergrad. ed, 66-68. U.S.A., 46-47, 53-55. Psychol. Asn; Psychonomic Soc. Verbal learning and memory. Publ: Effects of instructions on the transfer of a conditioned response; auth. Effects of controlled coding cues in short-term memory, 63 & Effects of subject-generated coding cues on short-term memory, 64, J. Exp. Psychol. Address: Dept. of Psychology, California State College at Fullerton, Fullerton, Calif. 92631.

LINDLEY, PROF. WILLIAM RALSTON, b. Portland, Ore, Apr. 14, 23; div; c. 4. JOURNALISM. B.S., Oregon, 55, Eric W. Allen fel. & M.S., 58. Instr. JOURNALISM, Yakima Valley Jr. Col, 58-59; asst. prof, Puget Sound, 59-67; ASSOC. PROF. & CHMN. DEPT, IDAHO STATE, 67- Fulbright lectr, Baghdad, 64-65. Asn. Ed. Journalism. Professional standards of journalism; higher education; Middle East communications and culture. Address: Dept. of Journalism, Idaho State University, Pocatello, Idaho 83201.

LINDNER, DR. HAROLD, b. New York, N.Y., Jan. 6, 23; m. 47; c. 2. CLINICAL PSYCHOLOGY. A.B., N.Y. Univ, 47; M.A., Hopkins, 48; Ph.D.(clin. psychol), Maryland, 51; Wash. Sch. Psychiat, 51-55. Asst. prof. psychol, Col. William & Mary, 51-53; CLIN. PSYCHOLOGIST & PSYCHOANALYST, 53- Clin. psychologist, Vet. Admin. Hosp, Richmond, Va, 51-53; Nat. Inst. Ment. Health, 53-54; chief clin. psychologist, Wash. Legal Psychiat. Serv, 54-55. Consult, State Dept. Correction, Va, 52-54; Dept. Ment. Hyg, D.C., 56- U.S.A., 43-46. Psychol. Asn; Acad. Psychother; Int. Soc. Clin. & Exp. Hypnosis. Psychoanalysis; hypnoanalysis; psychosexual deviations. Publ: Jack Rabbit, a study in character disturbance, Clin. Studies Personality; Hypnoanalysis, methods and techniques, Hypnosis & Therapeut. Appl; The shared neurosis: hypnotist and subject, Int. J. Clin. & Exp. Hypnosis. Address: 3000 Connecticut Ave. N.W., Washington, D.C. 20008.

LINDON, DR. JOHN A(RNOLD), b. Chicago, Ill, 24; m. 53. PSYCHIATRY, PSYCHOANALYSIS. M.D., Louisville, 48. Instr. PSYCHIAT, Col. Med. Evangelists, 52-53; asst. clin. prof, sch. med, Southern California, 60-67; ASSOC. CLIN. PROF, SCH. MED, CALIFORNIA, LOS ANGELES, 68- Mem. faculty, South. Calif. Psychoanal. Inst, 56-, trustee, 60-63. Consult, Dept. Ment. Hyg, State of Calif, 58-, parole outpatient clin, Dept. Corrections, 62-; private practice. Ed-in-chief, Psychoanal. Forum, 65- Pres, Psychiat. Res. Found, 58- Dipl, Nat. Bd. Med. Exam. & Am. Bd. Psychiat. & Neurol. U.S.A., 42-46. AAAS; fel. Psychiat. Asn; Am. Psychoanal. Asn; Am. Med. Asn; Int. Psychoanal. Asn; Soc. Adolescent Psychiat. Publ: Melanie Klein and her views of the unconscious, In: Psychoanalytic pioneers, Basic Books; Catrophilia as a character neurosis, Int. J. Psychoanal, 58; On Freud's concept of dream-action, Psychoanal. Forum, 66. Address: Linde Medical Plaza, 10921 Wilshire Blvd, Los Angeles, Calif. 90024.

LINDOW, WESLEY, b. Detroit, Mich, June 28, 10; m. 40; c. 2. ECONOMICS. B.A., Wayne, 31; M.A., George Washington, 40. Mem. staff, U.S. Treas. Dept, D.C., 34-47, head econ. analyst & asst. dir. res. & statist, 44-47; head econ. dept, IRVING TRUST CO, 47-55, HEAD INVESTMENT ADMIN. DIV, 55-, EXEC. V.PRES. & SECY, 65-, v.pres, 48-61, sr. v.pres. & secy, 61-65. Consult. to secy, U.S. Treas. Dept, 50-52; mem. adv. cmt. tax policies econ. growth, Nat. Bur. Econ. Res. Econ. Asn; Statist. Asn; Finance Asn; Bankers Asn. Banking; investments; public finance. Publ: Co-auth, Determining the business outlook. Address: Irving Trust Co, 1 Wall St, New York, N.Y. 10015.

LINDQUIST, PROF. E(VERET) F(RANKLIN), b. Gowrie, Iowa, June 4, 01; m. 27; c. 1. STATISTICS. A.B., Augustana Col, 22, Litt.D., 64; Ph.D.(ed), Iowa, 27. Asst. ED, IOWA, 25-27, from asst. prof. to PROF, 27-, FOUNDER & PRES, MEASUREMENT RES. CENTER, 55- Co-founder & gen. consult, Am. Col. Testing Prog, 59- Fel. Statist. Asn; Inst. Math. Statist; Ed. Res. Asn.(award, 67). Statistics applied to education and psychology; electronic test scoring equipment. Publ: Design and analysis of experiments in psychology and education: A first course in statistics; ed, Educational measurement. Address: University of Iowa, N101 East Hall, Iowa City, Iowa 52240.

LINDQUIST, DR. JOHN H, b. Chicago, Ill, Aug. 2, 31; m. 54; c. 4. SOCIOLOGY. B.S., Northern Arizona, 56, M.A., 57; D.S.S., Syracuse, 61. Asst. prof. soc. sci, Northern Arizona, 61-65; ASSOC. PROF. SOCIOL, AKRON, 65- U.S.A.F., 51-52, S/Sgt. Sociol. Asn. Political sociology; social movements. Publ: Co-auth, Readings in American public opinion, Am. Book Co, 68. Address: Dept. of Sociology, University of Akron, Akron, Ohio 44304.

LINDQUIST, PROF. LAWRENCE W(ILLARD), b. Galesburg, Ill, Mar. 9, 21; m. 45; c. 2. ANTHROPOLOGY, SOCIOLOGY. Th.B., North. Baptist Theol. Sem, 50; M.A., Northwestern, 51; Wenner-Gren Found. fel, Oxford, 54, Ph.D.

- (soc. anthrop), 56. Instr. relig. studies, Brown, 56-57, instr. polit. sci., 57-58; asst. prof. ANTHROPOLOGY, R.I. COL., 58-61, assoc. prof., 61-66, SR. PROF., 66- Fulbright grant, Inst. Indian Civilization, India, summer, 63. Anthropol. consult, U.S. Off. Ed. res. grant, Providence Soc. Studies Curriculum Proj., 63- U.S.A., 42-46, Sgt. Fel. Anthropol. Asn; fel. Sociol. Asn. Social anthropology, especially kinship and political organization, primitive religions; Hindu, Buddhist and Islamic cultures; culture contact; practical application of anthropology and sociology to field of public education. Address: Mann Hall West, 372, Rhode Island College, Providence, R.I. 02908.
- LINDQUIST, DR. STANLEY E., b. Tex., Nov. 9, 17; m. 40; c. 4. PSYCHOLOGY. A.B., Fresno State Col., 40; Ph.D.(psychol.), Chicago, 49. Assoc. prof. psychol. & dean men, Trinity Sem., 46-53; assoc. prof. PSYCHOL., FRESNO STATE COL., 53-58, PROF., 58-, CHMN. DEPT., 64-, curriculum evaluator, 53-56, dir. Bakersfield Br., 56-58. Res. assoc., Chicago, 49-53. U.S.A., 43-45. AAAS; Psychol. Asn. Physiological psychology; objective measurement of personality; group psychotherapy. Publ: Blast impulses and hearing loss, J. Comp. & Physiol. Psychol.; Foundations of behavioral research, Am. J. Orthopsychiat., 67; chap. In: Encounter between Christianity and science, Eerdmans, 67. Address: Dept. of Psychology, Fresno State College, Fresno, Calif. 93726.
- LINDSAY, PROF. J(OHN) ROBERT, JR., b. Greenville, S.C., Apr. 23, 25; m. 51; c. 3. ECONOMICS. B.A., North Carolina, 49; M.A., Harvard, 51, Ph.D., 55. Economist, Fed. Reserve Bank N.Y., 54-58, spec. asst., 58-59, chief domestic res., 59-60, for. res., 61-62, sr. economist, 62-63; vis. lect. econ. & finance, California, Berkeley, 63-64; PROF. FINANCE & RES. ADV. TO DEAN GRAD. SCH. BUS. ADMIN., N.Y. UNIV., 64- Lectr., City Col. New York, 55-56; grad. sch. bus., Columbia, 59, vis. assoc. prof., sch. commerce, N.Y. Univ., 57-58, adj. assoc. prof., 60-61. U.S.N., 43-46. AAAS; Econ. Asn; Finance Asn; Regional Sci. Asn. Banking theory and practice; business finance; business cycle theory; fiscal monetary policy; financial market theory; regional and urban economics. Publ: Co-auth., Financial management—an analytical view, Irwin, rev. ed., 67; auth., Stability of business capital outlays, Rev. Econ. & Statist.; Report of the commission on money and credit, Am. Econ. Rev., 5/62. Address: 129 Sherwood Rd., Ridgewood, N.J. 07450.
- LINDSAY, LT. COL. KEITH J(AY), U.S.A.F., b. McMinnville, Ore., Apr. 9, 21; m. 43; c. 4. PSYCHOLOGY. B.A., Linfield Col., 47; A.M., Colo. State Col., 48; Ph.D., Stanford, 59. Mem. staff, dept. psychol., Stephens Col., 48-50; U.S. AIR FORCE, 42-46, 50-, staff officer, personnel res., Human Resources Res. Center, 50-53, Air Res. & Develop. Command, 53-57, human performance engr., space systs. div., Air Force Systs. Command, 59-63, res. psychologist, Off. Secy. Defense, 63-65, STAFF SCIENTIST, HQ. U.S. AIR FORCE, 65- Personnel research; engineering psychology; personnel subsystems development. Address: Headquarters U.S. Air Force, AFDPD, Pentagon, Washington, D.C. 20330.
- LINDSAY, PROF. MICHAEL FRANCIS MORRIS, b. London, Eng., Feb. 24, 09; m. 41; c. 3. INTERNATIONAL RELATIONS. B.A., Oxford, 31, M.A., 35; sr. fel., Australian Nat. Univ., 51-59. Asst. dir., Indust. Surv. S.Wales, 36-37; tutor econ., Yenching Univ., China, 37-41; vis. lectr., Far East studies, Harvard, 46-48; lectr. econ. Hull, 48-51; sr. fel. int. rels., Australian Nat. Univ., 51-59; PROF. FAR EAST. STUDIES, AMERICAN UNIV., 59- Vis. prof., Yale, 58. Mem. Royal Inst. Int. Affairs, 47- Chinese Army, 42-45. Asn. Asian Studies; Australian Inst. Int. Affairs (v-pres., 54-58). Publ: China and the Cold War, Melbourne Univ., 55; Is peaceful co-existence possible?, Michigan State Univ., 60. Address: School of International Service, American University, Washington, D.C. 20016.
- LINDSAY, DR. ROBERT, b. Durham, N.C., Nov. 27, 24; m. 50; c. 2. MASS COMMUNICATION; POLITICAL SCIENCE. B.A., Wisconsin, 53, M.A., 54; Ph.D.(polit. sci., mass commun.), Minnesota, 65. Journalist, various radio and TV stas. & United Press Int., 48-52; lectr. journalism, Wisconsin, 54-57; instr. MINNESOTA, MINNEAPOLIS, 57-65, ASST. PROF. JOURNALISM & ASSOC. PROF. MASS COMMUN., 65- Fel. Found. Pub. Rels. Res. & Ed., 59-; grad. sch. res. center, Univ. Minnesota grantee, Bolivia, 67- UNESCO expert, Inst. Higher Study Journalism, Strasbourg, France, 65-; U.S. Dept. State specialist, Brazil, 65 & Bolivia, 66. U.S.M.C., 41-45 & 50-52, Res., 52-66, Capt. AAAS; Inter Am. Press Assn. International mass communication; comparative foreign journalism; mass media improvement and professional journalism education in developing countries; uses of satellite communications. Publ: This high name, Univ. Wisconsin, 56; Aspectos de las relaciones entre el gobierno y la prensa, La Federacion de Trabajadores de la Prensa de Bolivia, 66; co-auth., Two decades in the world of mass media, UNESCO, 66. Address: School of Mass Communication, University of Minnesota, Minneapolis, Minn. 55455.
- LINDSAY, PROF. R(OBERT) B(RUCE), Physics, see 11th ed, Phys. & Biol. Vols.
- LINDSAY, PROF. ROBERT K(ENDALL), b. Cleveland, Ohio, Aug. 13, 34. PSYCHOLOGY. B.S., Carnegie Inst. Tech., 56, Ford Found. fel., 58-60, Ph.D. (admin), 61; Higgins fel., Columbia, 56-57, M.A., 57. Asst. prof. PSYCHOL. & res. scientist, Texas, 60-65; ASSOC. PROF., MICHIGAN, 65- Nat. Sci. Found. sci. faculty fel., Stanford, 64-65. AAAS; Asn. Comput. Mach. Computer simulation of cognitive processes; psycholinguistics; artificial intelligence. Address: Mental Health Research Institute, University of Michigan, Ann Arbor, Mich. 48104.
- LINDSEY, PROF. ADRIAN H(ERVEY), b. Bryan, Ohio, May 10, 97; m. 23; c. 2. AGRICULTURAL ECONOMICS. B.S., Illinois, 22; M.S., Iowa State Col., 23, Ph.D.(agr. econ.), 29; Northwestern, 26; Chicago, 27. Asst. prof. AGR. ECON., Iowa State Col., 26-29; prof. Mass. State Col., 29-35; prof. & head dept., MASSACHUSETTS, 35-59, EMER. PROF. & EMER. HEAD DEPT., 59- U.S.A., 17-19. Agr. Econ. Asn. Statistical analysis; price research; land economics. Address: 26 Mt. Pleasant, Amherst, Mass. 01002.
- LINDSEY, PROF. DAVID, Am. Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LINDSEY, FRED D., b. Harrison, Ark., Mar. 28, 13. STATISTICS. B.S. & A.B., Northwest Mo. State Col., 34; M.A., George Washington, 39; Columbia, 43. Field rep., bur. labor statist., U.S. Dept. Labor, 39-41; econ. analyst, War Prod. Bd., 41-43; STATISTICIAN, Textile Surv. Inc., 44-45; For. Liquidation Cmn., 45; ECON. RES. DEPT., U.S. CHAMBER COMMERCE, 46-, secy. cmt. bus. statist., 55-56. Statist. Asn. Business and textile statistics. Publ: Fringe benefits, 1965; What new industrial jobs mean to a community; What's the answer? Address: U.S. Chamber of Commerce, 1615 H St. N.W., Washington, D.C. 20006.
- LINDSEY, DR. QUENTIN W(ILLIAM), b. Stockville, Nebr., Dec. 1, 21; m. 48; c. 3. ECONOMICS. B.S., Nebraska, 48, M.A., 50; Ph.D.(econ.), Harvard, 60. Asst. agr. econ., Nebraska, 48-50; proj. leader, Southeast Land Tenure Res. Cmt., 51-53; res. assoc. prof. econ., N.C. State Col., 53-61; ECONOMIST. Int. Develop. Serv. Inc., 60-62; FORD FOUND., 62-, proj. leader econ. adv. team, Ministry Econ. Planning, Govt. Nepal, 62-68. Econ. adv. agr. develop., Bank of Nepal, 63. U.S.N., 42-46, Res., 46-, Comdr. Econ. Asn; Agr. Econ. Asn. Economic development; economic potential of Burma; economic development and the decentralization of government functions in Nepal. Publ: Co-auth., The third plan, 65, auth., Annual plan of the Ministry of Economic Planning, 67 & co-auth., The food problem in Nepal: its magnitude and requirements for solution, 67, Govt. Nepal, Kathmandu. Address: Ford Foundation, 320 E. 43rd St., New York, N.Y. 10017.
- LINDSLEY, PROF. DONALD B., Psychophysiol., see 11th ed, Phys. & Biol. Vols.
- LINDSLEY, DR. OGDEN R(ICHARDSON), b. Providence, R.I., Aug. 11, 22; m. 45; c. 3. PSYCHOLOGY. A.B., Brown, 48, Sc.M., 50; fel., Harvard, 51-52, Ph.D.(psychol.), 57. Asst. psychol., Brown, 48-50; electro-physiol., Harvard, 50; asst. prin. investr. psychol., Atomic Energy Cmn. proj., sch. med., Boston, 52-53; dir. behavior res. lab., dept. psychiat., Harvard Med. Sch., 53-65, res. assoc., 56-61, assoc. in psychol., 61-65; PROF. ED. RES. ASSOC. BUR. CHILD RES. & ED. RES. COORDINATOR, CHILD REHAB. UNIT, KANSAS, 65-, HUMAN FREE-OPERANT CONDITIONING, TEACHING & RES. EXCEPT. CHILD & BEHAV. THER. MED. CENTER, 66- U.S.A.A.F., 42-45. AAAS; Psychol. Asn; Behav. Pharmacol. Soc; Ecol. Soc; Psychopath. Asn; Psychonomic Soc; Asn. Ment. Deficiency. Address: Educational Research, University of Kansas Medical Center, 4001 Eaton, Kansas City, Kans. 66103.
- LINDSTROM, PROF. D(AVID) E(DGAR), b. Charleston, Nebr., Apr. 14, 99. RURAL SOCIOLOGY. B.S., Nebraska, 24; M.S., Wisconsin, 28, Ph.D., 32; Illinois, 29-30. Exten. instr., Wisconsin, 28-29; from asst. to prof. RURAL SOCIOLOGY, ILLINOIS, URBANA, 29-67, EMER. PROF., 67- Swedish Soc. Sci. Res. Coun. grant, 49; Rauschenbusch lectr., 50; prof. & dir. rural welfare res. inst., Int. Christian Univ., Tokyo, 53-55; vis. prof., Va. Polytech., 68. Tech. consult., rural sociol. & exten. wing, Tech. Coop. Mission-Univ., Illinois contract, Col. Agr., Jabalpur, India, 60-62. Trustee, Eureka Col., 38-42. Award of merit, Freedoms Found., 51. Sociol. Asn; Rural Sociol. Soc. Rural social organizations and institutions; rural social policies in Sweden; the changing rural community in Japan. Publ: American farmers and rural organizations; American rural life; Rural social change. Address: Dept. of Sociology, University of Illinois, Urbana, Ill. 61801.
- LINDSTROM, PROF. FREDERICK B(URGESS), b. Palmer, Mass., June 8, 15; m. 46; c. 3. SOCIOLOGY. A.B., Chicago, 38, M.A., 41, Ph.D.(sociol.), 50. Instr. SOCIOL., Massachusetts, 51-53; from asst. prof. to assoc. prof., ARIZONA STATE, 53-66, PROF., 66- U.S.A., 43-46. Sociol. Asn; Pop. Asn. Population; minority groups; civil-military relations. Address: Dept. of Sociology, Arizona State University, Tempe, Ariz. 85281.
- LINDVEIT, DR. EARL W(AYNE), b. Elmont, N.Y., June 6, 26; m. 58; c. 2. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B., Bethany Col., 50; M.A., American Univ., 54, Ph.D.(pub. admin), 58. Mem. prfnl. staff, Nat. Sci. Found., 56-57; President's Cmt. Scientists & Engrs, 58; U.S. Senate Cmt. Aeronaut. & Space Sci., 59-61; dir. D.C. off., defense systs. div. Gen. Motors Corp., 61-62; exec. secy., cmt. sponsored res., Am. Coun. Ed., 62-65; SR. STAFF ADV., BATTELLE MEM. INST., 65- Consult., Brookings Inst., 59-60; Inst. Defense Anal., 61-67. Mem. White House Cmt. Engrs. & Scientists Fed. for Govt. Progs., 55-57; ed. adv. coun. Aerospace Ed. Found., 63- Fel. AAAS; Polit. Sci. Asn; Soc. Pub. Admin; Acad. Polit. & Soc. Sci. Science and public policy; education. Publ: Scientists in government. Public Affairs, 60; Science, education and politics, Ed. Record, winter 64; The effects of nuclear war on civilization, Arms Control & Disarmament Agency, 67. Address: 4918 Earleton Dr., Washington, D.C. 20016.
- LINDZEY, PROF. GARDNER, b. Wilmington, Del., Nov. 27, 20; m. 44; c. 5. PSYCHOLOGY. A.B., Pa. State, 43, M.A., 45; Livingston fel., 47-48; univ. fel., Harvard, 48-49, Ph.D.(psychol.), 49. Res. analyst, Nat. Defense Res. Cmt., 44-45; instr. psychol., Pa. State, 45; head, Vet. Admin. Guid. Center & lectr., Western Reserve, 45-46; res. assoc. & asst. prof. psychol., Harvard, 49-53, lectr. & chmn. psychol. clin. staff, 53-56; prof. PSYCHOL., Syracuse, 56-57; Minnesota, Minneapolis, 57-64; PROF. & CHMN. DEPT., TEXAS, AUSTIN, 64-, V.PRES. ACAD. AFFAIRS, 68- Fel. Center Adv. Study Behav. Sci., 55-56, 63-64. Mem. bd. dirs., Soc. Sci. Res. Coun., 61-; Funds. Fund Res. Psychiat., 67- Psychol. Asn.(pres., 66-67); Anthropol. Asn; Sociol. Asn; Eugenics Soc. Personality; social psychology; genetics and behavior. Publ: Projective techniques and cross cultural research; ed. Handbook of social psychology, Addison-Wesley; co-auth., Theories of personality. Address: Dept. of Psychology, University of Texas, Austin, Tex. 78712.
- LINEBARGER, DR. GENEVIEVE C(OLLINS), b. Carlsbad, N.Mex., May 29, 23; m. 50. POLITICAL SCIENCE. A.B., Duke, 45; M.A., Hopkins, 49; fel., Maryland, 52-53, Ph.D., 53. Res. analyst psychol. warfare, ops. res. off., Hopkins, 49-51, consult., 51-53; consult. Southeast Asia, for. policy res. inst., Pennsylvania, 55-66; lectr. int. rels., Maryland, 66-67; ASSOC. PROF. POLIT. SCI., TRINITY COL.(D.C.), 67- Res. analyst, U.S. Senate Subcm. Internal Security, 56. Ed. Free World Forum, 59-60. Civilian, Brit. Far East Land Forces Hqs., 50. Polit. Sci. Asn. Psychological warfare techniques; Southeast Asian comparative government; Indonesian language sources on Asian political processes. Publ: Washington sources on international affairs; co-

auth, Idea of colonialism & Comparative politics of Southeast Asia. Address: 2831 29th St. N.W., Washington, D.C. 20008.

LINEBARGER, PROF. PAUL M(YRON) A(NTHONY), Polit. Sci., see 10th ed, Soc. & Behav. Vols, deceased 66.

LINEHAN, DR. URBAN J(OSEPH), b. Bridgewater, Mass., Oct. 13, 11; m. 50; c. 2. GEOGRAPHY. B.S., Mass. State Teachers Col., 33; M.A., Clark, 46, Ph.D. 55. Instr. geog. Pittsburgh, 45-47, asst. prof., 47-48; Catholic Univ., 48-56; PUB. OFFICER, U.S. GOVT., 56- Asn. Am. Geog. fel. Am. Geog. Soc.; Am. Meteorol. Soc.; Nat. Coun. Geog. Ed.; fel. Royal Geog. Soc. Climatology: economic geography. Publ: Tornado deaths in United States. Address: 3605 Greenly St, Silver Spring, Md. 20906.

LINFORD, DEAN ALTON A, b. Afton, Wyo., Sept. 10, 08; m. 32; c. 3. SOCIAL SCIENCE. A.B., Wyoming, 34; A.M., Chicago, 38, Ph.D.(soc. serv. admin), 47; Harvard, 41-44. From asst. to assoc. prof. sch. soc. work, Simmons Col., 39-45; from assoc. prof. to PROF. SCH. SOC. SERV. ADMIN, CHICAGO, 45-. DEAN SCH. 56- Consult, State Dept. Pub. Welfare, Wis., 51-53. Social security; public welfare; administration. Publ: Old Age Assistance in Massachusetts. Address: 5619 Dorchester Ave, Chicago, Ill. 60637.

LING, DR. RUFUS C(HIN-YU), Theoret. Physics, see 11th ed, Phys. & Biol. Vols.

LINGOES, PROF. J(AMES) C(HARLES), b. Boston, Mass., July 27, 23; m. 44; c. 2. CLINICAL PSYCHOLOGY. B.A., California, 49; Ph.D.(clin. psychol), Mich. State, 60. Technician psychiatrist, Stockton State Hosp, Calif., 50-52; res. technician, Langley Porter Neuropsychiat. Inst., San Francisco, 52-57, res. psychol., 53-54; res. dir., St. Elizabeth's Infant Hosp, 57-60; asst. prof. PSYCHOL. MICHIGAN, 60-64, ASSOC. PROF., 64-, RES. ASSOC. COMPUT. CENTER, 60- Prof. Col. Chiropractic, 53-56; res. psychologist, sch. med., California, 54-55, clin. psychologist, McAuley Clin., St. Mary's Hosp, San Francisco, 55-58; trainee, Vet. Admin. Hosp., Ann Arbor, Mich., 59-60, clin. consult, 65- Vis. prof., Berkeley, 66-67; Am. Res. Inst. award, 60-61. U.S.A., 41-45. Psychol. Asn; Soc. Multivariate & Exp. Psychol. Nonmetric multivariate techniques and theory of measurement; Minnesota multiphasic personality inventory. Publ: New computer developments in pattern analysis and nonmetric techniques, In: Computers in psychological research, Paris, 66; Nonmetric factor analysis: a rank reducing alternative, 67 & The multivariate analysis of qualitative data, 68, Multivariate Behav. Res., Address: Computing Center, University of Michigan, Ann Arbor, Mich. 48104.

LINGREN, DR. RONALD HAL, b. Gowrie, Iowa, June 26, 35; m. 64; c. 2. EDUCATIONAL PSYCHOLOGY. B.S., Iowa State, 60; M.A., Iowa, 61, Ph.D. (ed. & clin. psychol), 65. Psychologist, Jefferson County, Iowa, 61-62; asst. dir. & chief psychologist, Pine Sch. res. proj., Univ. Iowa, 62-64, consult, child psychiat. serv., 63-65; ASSOC. PROF. ED. PSYCHOL. & DIR. PSYCHO-ED. CLIN. WISCONSIN, MILWAUKEE, 65- Co-recipient, U.S. Off. Ed. res. & fel. grants, 66-68. Consult, Milwaukee Children's Hosp., Wis., 65-66; Learning Center, 65-; Johnson Res. Found., 66-; St. Amelien's Treatment Home Disturbed Boys, Milwaukee, 67- Mem. Coun. Children Behav. Disorders, 64- U.S.A., 53-55; Air Nat. Guard, 56-65; U.S.A.F.R., 65-. Capt. Learning strategies of normal, retarded and disadvantaged children; affective and intellectual correlates of disadvantaged behavior; validation of psychological and educational appraisal techniques. Publ: The triumvirate in the adjustment of a child with a cerebral dysfunction: psychologist, teacher and physician, J. Sch. Psychol., fall 67; Child-parent attitudes: a comparison of the family relations test and perceptions on Rorschach cards III, IV and VII, Psychol. in Schs., winter 67; Anxiety, praise and reproof: their effects upon verbal learning and recall of mentally retarded boys, Am. J. Ment. Deficiency, 1/68. Address: Dept. of Educational Psychology, University of Wisconsin, 3203 N. Downer Ave, Milwaukee, Wis. 53201.

LININGER, DR. C(HARLES) A(NDREW), JR., b. Jamaica, N.Y., Nov. 30, 23; m. 44, 59; c. 3. ECONOMICS. B.A., Hobart Col., 48; M.A., Chicago, 60, Ph.D. (econ), 63. Instr. econ, Hobart Col., 51-54; asst. prof., Hope Col., 54-56, asst. dir. res., 55-56; from asst. study dir. to study dir., SURV. RES. CENTER, UNIV. MICHIGAN, 56-62, SR. STUDY DIR., 62- Head, Agency Int. Develop.-Univ. Michigan Peru Proj., 64-68; asst. dir. demog. div., Pop. Coun., New York, 68- U.S.A., 43-46. Econ. Asn; Statist. Asn; Inter-Am. Statist. Inst. Research methods; consumer behavior. Publ: Co-auth, Survey of consumer finance, Inst. Soc. Res., Univ. Michigan, annually, 60-64; auth, Estimates of rates of saving, J. Polit. Econ., 63; co-auth, Introduccion a la encuesta por muestreo (also in English), SERH, Min de Trabajo, Lima, 65. Address: The Population Council, 245 Park Ave, New York, N.Y. 10017.

LININGER, DR. F(REDERICK) F(OUSE), b. Martinsburg, Pa., July 29, 92; m. 17; c. 2. AGRICULTURAL ECONOMICS. B.S., Pa. State Col., 17; M.S., Cornell, 26, Ph.D.(mkt), 28. Supvr. voc. agr., Morrison Cove Voc. Sch., 20-23, dir., 23-25; asst. prof. agr. econ., PA. STATE, 26-28, assoc. prof., 28-29, prof., 29-41, head dept., 38-41, v.dean sch. agr., 40-52, v.dir. EXP. STA., 40-42, dir., 42-52, EMER. DIR., 52- Consult, Food & Agr. Orgn., UN, China, 48, dep. dir. agr. div., Italy, 52-54; agr. econ. & int. rels. consult., 55-60; adv. Govt. of Ceylon, 56-58; Univ. Florida adv., Mandalay, Burma, 60-62. Am. Agr. Econ. Asn; Int. Asn. Agr. Econ. Marketing farm products; milk and cooperative marketing. Address: 322 Arbor Way, State College, Pa. 16801.

LINK, PROF. ARTHUR S, Am. Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LINK, PROF. EUGENE PERRY, Am. Soc. Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LINK, DR. JOSEPH, JR., b. Cincinnati, Ohio, Nov. 6, 18. ECONOMICS. Ph.B., Xavier (Ohio), 35; M.Ed., Cincinnati, 40, hon. D.Sc., 52, D.Ed., 60; Cincinnati, 43; City Univ. Paris, 45-48; U.S. Army Univ.(Eng), 46. Instr., Paris, 45-46; prof. commerce & asst. dean, U.S. Army Univ.(Eng), 46; PROF. ECON. & CHMN. DEPT., XAVIER (OHIO), 46- Prof., Our Lady of Cincinnati Col., 40-43; Cincinnati Col. Music, 49-; pub. affairs attache, Am. Embassy, Korea, 51-52; v.pres., Vernon Manor Hotel Corp., Cincinnati & Swan Creek Lumber

Co., Toledo, 60- Ed. econ. sec., Lincoln Library Essential Info, 50. Mem. bd. trustees, City Retirement Syst. & Parole Bd., Cincinnati; Dunham Hosp.; Child Guid. Clin.; Speech & Hearing Center; Newman Club, Univ. Cincinnati. Econ. Asn. Business courses in high schools of Archdiocese of Cincinnati, Ohio. Publ: Development of radio-TV education in Cincinnati, 1935-1960. Address: Dept. of Economics & Business Administration, Xavier University, Cincinnati, Ohio 45207.

LINN, DR. E(RWIN) L(OUIS), Sociol., see 10th ed, Soc. & Behav. Vols.

LINN, DR. ROBERT L, b. Denver, Colo., June 29, 38; m. 58; c. 2. PSYCHOLOGY. B.A., California, Los Angeles, 61; M.A., Illinois, 64, Ph.D.(psychol), 65. RES. PSYCHOLOGIST, ED. TESTING SERV., 65- Vis. Lectr., Wisconsin, summer, 68. U.S.A., 56. Psychol. Asn; Psychomet. Soc.; Statist. Asn. Psychological measurement. Publ: Grade adjustment for the prediction of academic performance: a review, J. Ed. Measurement, 66; A Monte Carlo approach to the number of factors problems, Psychometrika, 68; Range restriction problems in the use of self selected groups for test validation, Psychol. Bull., 68. Address: Developmental Research Division, Educational Testing Service, Princeton, N.J. 08540.

LINNEMAN, DR. ROBERT E, b. Bloomington, Ill., Dec. 9, 28; m. 52; c. 2. MARKETING. Ph.B., Ill. Wesleyan, 50; M.S., Illinois, 62, Ph.D.(mkt), 64. Teaching asst. MKT., Illinois, 62-64; ASSOC. PROF., TEMPLE, 64- U.S.A., 51-55, Res., 57-65, Capt. Mkt. Asn. Marketing management and Salesmanship. Publ: The United States tractor industry in selected foreign markets, Proc. Am. Mkt. Asn. Fall Conf., 65; A case for minimum marketing efforts in international markets, Miss. Valley J. Bus. & Econ., 11/65; co-auth, On marketing curriculum: does the personnel office practice what the president preaches?, Collegiate News & Views, 10/66. Address: Dept. of Marketing, School of Business Administration, Temple University, Philadelphia, Pa. 19122.

LINNENBERG, DR. CLEM C(HARLES), JR., b. Houston, Tex., May 20, 12; m. 42. ECONOMICS. GOVERNMENT. B.A., M.A. & univ. fel. Texas, 33; Block fel. & Ph.D.(govt), Yale, 41. Economist, U.S. Bur. Budget, Wash. D.C., 39-51; prog. planning officer, Off. Secy. Commerce, 51-53; chief econ. anal. sect. off. int. trade, U.S. Dept. Commerce, 53; transportation economist, Gen. Servs. Admin., 53-54; U.S. Dept. Agr., 54-59; chief, div. statist. & studies, Off. Voc. Rehab., U.S. DEPT. HEALTH, ED. & WELFARE, 59-62, ECONOMIST, U.S. PUB. HEALTH SERV., 62- Pub. Health Asn; Econ. Asn; Acad. Polit. & Soc. Sci. Health economics; transportation economics; statistics. Publ: Co-auth, Economic benefits from public health services, U.S. Pub. Health Serv., 64; auth, The agricultural exemptions in interstate trucking: mend them or end them?, Law & Contemporary Prob., 60; Economics in program planning for health, Pub. Health Reports, 66. Address: 3812 Benton St. N.W., Washington, D.C. 20007.

LINNICK, DR. IDA, b. U.S., Jan. 25, 14. PSYCHOLOGY. B.A., Brooklyn Col., 33; M.A., Hunter Col., 39; Ph.D.(psychol), N.Y. Univ., 49. Asst. psychologist, Fed. Employ. Serv., N.Y., 42-43, CHIEF PSYCHOLOGIST, 43-54, FED. EMPLOY. & GUID. SERV., 54- Guest lectr., Yeshiva, 60. Voc. consult, bur. hearings & appeals, Soc. Security Agency, 62-; dist. psychol. consult, New York City Dist., N.Y. State Div. Voc. Rehab., 67- Dipl. Am. Bd. Exam. Prnl. Psychol., 50. AAAS; fel. Psychol. Asn; Personnel & Guid. Asn; Int. Coun. Psychol; Int. Soc. Gen. Semantics. Rehabilitation; counseling psychology; educational and vocational guidance; psychological testing. Publ: Appraising vocational fitness by means of psychological tests, Indust. & Labor Rels. Rev; Effect of instructions and resulting vocational classifications on a vocational interest inventory as related to response patterns of college women; Rapprochement of the counseling psychologist and the optometrist in managing problems of visual inefficiency in a normal population, J. Am. Optom. Asn. Address: 385 Grand St, Apt. L1106, New York, N.Y. 10002.

LINS, DR. L(EO) JOSEPH, b. Spring Green, Wis., Oct. 11, 18; m. 42; c. 6. STATISTICS. B.S., Wis. State Teachers Col., Platteville, 39; Ph.M., Wisconsin, 44, fel., 44-45, Ph.D.(teacher ed, statist), 46. Instr. ed, Detroit, 45-46, asst. prof., 46-47; Wisconsin, 47-53, assoc. prof., 53-60, prof., 60-67, coordinator inst. studies, 59-67; DIR. RES. WIS.COORD. COUN. HIGHER ED., 67- Asst. to dir. guid. & records, Wisconsin, 47-48, dir. statist. & mach. records, 48-53, student personnel statist. & studies, 53-57, assoc. registr., 57-59, acting registr. & acting dir. admissions, 62. Exec. Ed. Ed. Res. & J. Exp. Ed., 62- Mem., Inst. Res. Coun. Eleven, 60-61. AAAS; Statist. Asn; Personnel & Guid. Asn; Asn. Instnl. Res.(chmn., 62-63, secy., 65-66). Prediction of teaching efficiency; forecast of enrollments; student personnel. Publ: Methodology of enrollment projections for colleges and universities; The role of institutional research in planning, Nat. Instnl. Res. Asn. 63; co-auth, Scholar's guide to journals of education and educational psychology, Denbar Ed. Res. Serv., 65. Address: Wisconsin Coordinating Council for Higher Education, 732 N. Midvale Blvd, Madison, Wis. 53705.

LINSE, DR. EUGENE W, JR., b. Eau Claire, Wis., Jan. 29, 23; m. 55; c. 4. POLITICAL SCIENCE. B.A., Concordia Sem., 42; M.A., Northwestern, 50; Ph.D.(polit. sci.), Minnesota, Minneapolis, 65. Instr. soc. studies, CONCORDIA COL.(Tex), 48-55; assoc. prof. humanities, (ST. PAUL, MINN), 55-58, DIR. RECRUITMENT, PUB. RELS. & ALUMNI, 58-, CHMN. DIV. SOC. SCI., 67-, div. rels. & soc. sci., 65-67. Mem. bd. dirs., Creative Ed. Found., 65-67, chmn. bd. Minn., 65; exec. dir. cmt. housing concerns, Lutheran Church, Mo. Synod, 68. Polit. Sci. Asn; Hist. Asn. Procedural due process as an aspect of constitutional law, specifically, police procedures. Publ: The religion clauses of the first amendment, Lutheran Scholar, 67; The political ideas of the apostle Paul, Concordia Theol. Monthly, 68. Address: Concordia College, St. Paul, Minn. 55104.

LINSLEY, DR. HARLAN LEIGH, b. Oskaloosa, Iowa, July 15, 38. PSYCHOLOGY. B.S., Iowa, 60; M.S., Purdue, 61, Ph.D.(psychol), 64. Asst. PSYCHOL., Purdue, 60-62, assoc., 62-64, instr., summer 64; ASST. PROF., WIS. STATE, OSHKOSH, 66- Med.Serv.C., U.S.A., 64-66, Capt. AAAS; Psychol. Asn. Experimental psychology; quantitative methods in psychology; human learning and retention; psychopharmacology. Address: Dept. of Psychology, Wisconsin State University, Oshkosh, Wis. 54902.

- LINTNER, PROF. JOHN, b. Kans, Feb. 2, 16; m. 44; c. 2. **ECONOMICS**. A.B. Kansas, 39; univ. fels, Harvard, 41-42, 45-46, A.M., 42, Soc. Sci. Res. Coun. fel, 42-43, Ph.D.(econ), 46. Tutor econ, HARVARD, 41-42, asst. prof. finance, 46-51, assoc. prof. bus. admin, 51-56, prof, 56-64, GUND PROF. ECON. & BUS. ADMIN, 64- Mem. staff res. fiscal policy, Nat. Bur. Econ. Res, 41-42. Consult, U.S. Treas, U.S. Bur. Census & various bus. firms; dir, Cambridge Savings Bank, 51-; U.S. & for. Securities Corp, 67- Econ. Asn; Statist. Asn; Economet. Soc; Finance Asn. Corporate dividend, investment and financial policies; monetary and fiscal policy; capital markets. Publ: Mutual savings banks in the savings and mortgage markets; Distribution of incomes of corporations among dividends, retained earnings and taxes, Am. Econ. Rev, 5/56; Valuation of risk assets and the selection of risky investments in stock portfolios and capital budgets: Rev. Econ. Statist, 2/65. Address: Dept. of Business Administration, Harvard Business School, Soldiers Field, Boston, Mass. 02163.
- LINTON, PROF. HARRIET B(ENDER), Psychol, see BARR, DR. HARRIET LINTON.
- LINTON, DR. PATRICK H, b. Linville, Ala, 25. **PSYCHIATRY**. B.A, Birmingham-South, Col, 49; M.D. Med. Col. Ala, 53. Res. psychiatrist, Menninger Sch. Psychiat, 54-59; staff psychiatrist, New Orleans Vet. Admin. Hosp, La, 59-61; asst. prof. PSYCHIAT, MED. COL. ALA, 61-63, ASSOC. PROF, 63- U.S.A, 43-45; U.S.N, 53-54. Physiologic correlates of behavior; drugs and personality. Address: Dept. of Psychiatry, Medical College of Alabama, 1700 Seventh Ave, Birmingham, Ala. 35203.
- LINVILLE, DR. FRANCIS A(ROD), b. Skidmore, Mo, Dec. 2, 09; m. 30; c. 2. **ECONOMICS**. A.B. Missouri, 31, M.A. 32; Ph.D.(econ), Chicago, 37. From instr. to asst. prof. econ, Dartmouth Col, 34-40; Rockefeller fel, 40-41; economist, U.S. DEPT. STATE, 41-55, counsr. econ. affairs, Am. Embassy, Lima, Peru, 55-60, Ottawa, 60-65, DEP. DIR, REGIONAL OFF. CENT. AM. & PANAMA, AGENCY INT. DEVELOP, GUATEMALA CITY, 65- International commodity policy, trade and finance. Publ: Outline of economic principles and problems; International action with respect to material shortages, Am. J. Econ. & Sociol; Latin American aspects of post-war agricultural readjustments, J. Farm Econ. Address: Guatemala (ROCAP), Dept. of State, Washington, D.C. 20521.
- LION, DR. DONOR M(ITCHELL), b. New York, N.Y, May 3, 24; m. 52; c. 2. **ECONOMICS**. A.B. Harvard, 45, Ph.D. 54; M.A. Buffalo, 48. Econ. analyst, President's Mat. Policy Cmn, 51-52; Nat. Security Resources Bd, 52; trade & payments officer, Mutual Security Agency, 52-54; econ. consult, Robert R. Nathan Assocs, 54-57; mgt. consult, Booz, Allen & Hamilton, 57-62; asst. dir. planning, U.S. Agency Int. Develop/Brazil, 63-64, dir, N.E. Brazil, 64-66, ASSOC. ASST. ADMINSTR. PROG. & RESOURCE BUDGETING, AGENCY INT. DEVELOP/D.C. 67- Econ. Asn; Finance Asn. International economics; fiscal and monetary policy; economic growth and development. Address: Agency for International Development, Dept. of State, Washington, D.C. 20523.
- LION, DR. ERNEST GEORGE, Psychiat, see 11th ed, Phys. & Biol. Vols.
- LIONBERGER, PROF. HERBERT F(REDERICK), b. Middletown, Mo, Mar. 5, 12; m. 42; c. 2. **RURAL SOCIOLOGY**. B.S, Northeast Mo. State Col, 36; M.E. Missouri, 41, Ph.D. 50. Asst. rural sociol, Missouri, 41-42; immigrant inspector, U.S. Dept. Justice, 42-44, dist. admin. serv. & personnel officer, 44-46; from asst. prof. to PROF. RURAL SOCIOLOGY, MISSOURI, 46- Am. Dairy Asn. res. grant, 63-65; chmn, Univ. Missouri Study Team, Orissa Univ. Agr. & Tech, India, 65; lectr, int. health educators, Hopkins, 65-67; Agr. Develop. Coun. res. grant, Taiwan, 66-67. Res. consult, agr. rels. div, Tenn. Valley Authority, 58-60; consult, diffusion res, Ford Found, India, 60-61 & 67-; Kettering Ed. Diffusion Res. Proj. consult, Univ. Massachusetts, Amherst, 66- Mem. soc. sci. action cmt, cmm. ed. agr. & natural resources, Nat. Acad. Sci, 67. Rural Sociol. Soc.(secy-treas, 58-60); Sociol. Asn. Communication; diffusion of information; scientific farm information development and disseminating systems in Taiwan; legitimization of decision to adopt farm practices and purchase farm supplies. Publ: Adoption of new ideas and practices, Iowa State Univ, 61; co-auth, Social structures and diffusion of farm information, 4/57 & Community leadership in rural trade-centered community and comparison of methods of identifying leaders, 2/67, Univ. Missouri Agr. Exp. Sta. Res. Bull. Address: 101 Sociology Bldg, University of Missouri, Columbia, Mo. 65201.
- LIPE, DR. WILLIAM DAVID, b. Cromwell, Okla, May 5, 35; m. 62; c. 3. **ANTHROPOLOGY, ARCHAEOLOGY**. B.A, Oklahoma, 57; Ph.D.(anthrop), Yale, 66. Archaeologist, Upper Colo. River Archaeol. Salvage Proj, Utah, 58-60, summer 61; instr. ANTHROP, Oklahoma, 63-64; acting asst. prof, STATE UNIV. N.Y. BINGHAMTON, 64-66, ASST. PROF, 66- Res. asst, Mus. North. Ariz, summer 57; State Univ. N.Y. Faculty res. fel, 67, res. grant-in-aid & Awards Cmt. res. grant, 67-68. Fel. AAAS; fel. Anthropol. Asn; Soc. Am. Archaeol. North American archaeology; archaeological methods; culture and ecology. Publ: 1958 excavations, Glen Canyon area, Anthropol. Papers 44 & co-auth, 1959 excavations, Glen Canyon area, Anthropol. Papers 49, Univ. Utah, 60; auth, Anasazi culture and its relationship to the environment in the Red Rock Plateau region, southeast Utah, Univ. Microfilms, 67. Address: Dept. of Anthropology, State University of New York at Binghamton, Binghamton, N.Y. 13901.
- LIPETZ, DR. BEN-AMI, b. Fargo, N.Dak, Mar. 14, 27; m. 50. **DATA COLLECTION & ANALYSIS**. B.M.E., Cornell, 48, Ph.D. 59. Ed. Cornhill Engr, 44-48; ed. researcher, Sci. Illustrated, 48; ed. nuclear sci, Brookhaven Nat. Lab, 48-50; res. assoc. sci. methodology, dept. hist, Cornell, 51-52, res. asst. editing, lab. nuclear studies, 52; proj. leader tech. info. mgt, Battelle Mem. Inst, 53-57, asst. dept. mgr, info. mgt, 57-59; head document ops info. mgt, Itel Corp, Lexington, Mass, 59-62; consult. & researcher, 62-66; HEAD RES. DEPT, LIBRARY, YALE, 66- Participant, NATO Seminar Info. Sys. Eval, Hague, summer, 65. Consult, UN Atomic Energy Cmn, 48; U.S. Atomic Energy Cmn, 66- Ed, cmt. nuclear sci, Nat. Res. Coun, 48-49; Documentation Abstracts, 66- U.S.N, 45-46. Fedn. Am. Sci; Soc. Pub. Admin; Soc. Info. Sci; Library Asn; Spec. Libraries Asn. Research administration; design and operation of information systems; indexing; automatic data processing; information and library management; research evaluation. Publ: The measurement of efficiency of scientific research, Intermedia, 65; Compilation of an experimental citation index from scientific literature, Am. Document; Information storage and retrieval, Sci. Am, 9/66. Address: Acorn Hill Rd, Woodbridge, Conn. 06525.
- LIPETZ, PROF. MILTON E(DWARD), b. Brooklyn, N.Y, Mar. 10, 30; m. 52; c. 2. **PSYCHOLOGY**. B.A, N.Y. Univ, 51; fel, Brooklyn Col, 52-53, M.A., 53; Ph.D, Ohio State, 58. Asst. psychol, Ohio State, 54-55, asst. instr, 57-58, res. assoc, 58; trainee clin. psychol, Vet. Admin, 55-57; asst. prof. PSYCHOL, COLORADO, 58-63, assoc. prof, 63-67, PROF, 67-, DIR. CLIN. TRAINING, 60- Consult, Vet. Admin. Cert. in clin. psychol, Am. Bd. Exam. Prfnl. Psychol. Psychol. Asn. Personality theory; psychotherapy; considerations of situational and structural variability in the prediction of behavior from psychological testing instruments; correlates of marital stability and satisfaction. Publ: Effects of information on the assessment of attitudes by authoritarians and nonauthoritarians, J. Abnorm. & Soc. Psychol, 60: 95-99; authoritarianism and the use of information for the assessment of attitudes, J. Soc. Psychol, 64; Authoritarianism, aggression and status, J. Personality & Soc. Psychol, 67. Address: Dept. of Psychology, University of Colorado, Boulder, Colo. 80302.
- LIPINSKY, EDWARD S(OLOMON), Chem, see 11th ed, Phys. & Biol. Vols.
- LIPKIN, DR. STANLEY GEORGE, b. Orange, N.J, June 12, 41. **PSYCHOLOGY**. B.S, Pa. State, 63; Nat. Defense Ed. Act. fel, Massachusetts, 63-66, M.S., 65, Ph.D.(psychol), 66. ASST. PROF. PSYCHOL, CARNEGIE-MELLON, 66- Psychol. Asn. Human learning; binary decision behavior; stochastic learning theories; experimental design and analysis. Publ: Eyelid trace conditioning, CS intensity, CS-UCS interval and a correction for spontaneous blinking, 8/66 & co-auth, Level of risk in probability learning, 10/66, J. Exp. Psychol; auth, An analysis of the interaction of incentive magnitude and relative event frequency in probability learning, Can. J. Psychol, 2/68. Address: Dept. of Psychology, Carnegie-Mellon University, 5000 Forbes Ave, Pittsburgh, Pa. 15213.
- LIPMAN, DR. AARON, b. New York, N.Y, Mar. 2, 25; m. 47; c. 3. **SOCIOLOGY**. B.S.S. City Col. New York, 47; fel, Columbia, 47-49, M.A. 52; Fulbright grant, Colombia & Argentina, 61-63; Ph.D.(sociol), Nat. Univ. Colombia, 64. Instr. SOCIOL, Miami (Fla), 49-51; lectr, City Col. New York, 51-53; ASST. PROF. MIAMI (FLA), 53- Fulbright study grant, Portugal, 66-67. Mem. bd. dirs, Jewish Family & Children's Serv, 59-60; bd. trustees, Fla. Coun. Aging. U.S.A, 43-46. Sociol. Asn; Geront. Soc. Small group structure and sociology of marriage and family relationships. Publ: Manhattanville; Role conceptions and morale of couples in retirement, J. Geront; Masculinity and cultural lag, J. Ed. Sociol. Address: Dept. of Sociology & Anthropology, University of Miami, Coral Gables, Fla. 33124.
- LIPMAN, PROF. ELI A(LLAN), b. Chicago, Ill, June 10, 14; m. 42; c. 4. **PSYCHOLOGY**. B.A, Illinois, 35, M.A. 37; fel, Rochester, 38-40, Ph.D.(psychol), 40. Asst. physiol. psychol. lab, Illinois, 36-38; fel. exp. psychol, Rochester, 40-41; Nat. Res. Coun. Cmt. Selection & Training Pilots res. fel, Ohio State, 41-42, res. assoc, 42-43; asst. prof. PSYCHOL, ILLINOIS, CHICAGO, 46-48, assoc. prof, 48-56, PROF, 56-, staff counsr, student personnel & guid. bur, 46-51. U.S.A.A.F, 43-46. Psychol. Asn. Projective techniques; psychotherapy; psychosomatic medicine; value of drugs in psychotherapy. Address: Dept. of Psychology, College of Liberal Arts & Sciences, University of Illinois at Chicago Circle, Box 4348, Chicago, Ill. 60680.
- LIPMAN, DR. RONALD S(TEWART), b. New York, N.Y, Dec. 9, 29; m. 53; c. 4. **PSYCHOLOGY**. B.A, N.Y. Univ, 50; M.A., Connecticut, 52, Kanter fel, 56-57; Ph.D.(psychol), 57. Res. fel. psychol, Nowland & Co, 57-58; res. assoc. E.R. Johnstone Training & Res. Center, 58-61; res. psychologist, spec. studies unit, NAT. INST. MENT. HEALTH, 61-63, PROG. HEAD OUTPATIENT STUDIES, PSYCHOPHARMACOL. RES. CENTER, 63- Instr, exten. div, Trenton State Col, 60-61. Consult, ment. retarded children's clin, Flower & Fifth Ave. Hosps, 59-63. U.S.A, 52-54. Psychol. Asn. Evaluation of psychotropic drugs; methodology of drug trials; learning and perception; learning and perception as influenced by drugs. Address: 8600 16th St, Apt. 813, Silver Spring, Md. 20910.
- LIPPERT, DR. WALTER WILLIAM, b. Cincinnati, Ohio, Aug. 14, 35; m. 54; c. 4. **CLINICAL PSYCHOLOGY**. B.A, Centre Col. Ky, 57; M.S. Richmond Prfnl. Inst. Div, Col. William & Mary, 59; Ph.D.(clin. psychol), Cincinnati, 65. ASST. PROF. PSYCHOL, XAVIER, 63- Chief psychologist, Hamilton County Juvenile Court, Ohio, 60-67. Psychol. Asn. Psychopathology in prelinguent, delinquent and criminal groups with particular attention to sociopathic behavior; psychopharmacology as related to autonomic nervous system functioning. Publ: Co-auth, Spontaneous GSR and anxiety in sociopaths, J. Consult. Psychol, 63 & Immediate changes in affect with chlor diazoxide, Arch. Gen. Psychiat, 65; auth, Electrodermal response in sociopaths, J. Psychonomic Sci, 66. Address: 4890 Jessup Rd, Cincinnati, Ohio 45239.
- LIPPINCOTT, PROF. BENJAMIN E(VANS), b. Alexandria, Ind, Nov. 26, 02; m. 34. **POLITICAL SCIENCE**. B.S, Yale, 25; Oxford, 25-26; Ph.D, London, 30. Instr. POLIT. SCI, MINNESOTA, MINNEAPOLIS, 29-32, asst. prof, 32-39, assoc. prof, 39-42, PROF, 46- Vis. prof, Stanford, 53; Hopkins, 65-66, 66-67. Mem. adv. panel, reserve forces policy bd, U.S. Dept. Defense, 61- U.S.A.F, 42-46, Res. 52-, Col; Legion of Merit, 46. Polit. Sci. Asn; Soc. Polit. & Legal Philos.(v.pres, 61-62); Royal Inst. Philos. Political theory; history of political ideas; comparative political institutions; art and politics. Publ: Victorian critics of democracy; ed. & contrib, Economic theory of socialism; auth, Democracy's dilemma: a totalitarian party in a free society, Ronald, 65. Address: Dept. of Political Science, University of Minnesota, Minneapolis, Minn. 55455.
- LIPPITT, PROF. GORDON LESLIE, b. Fergus Falls, Minn, Aug. 20, 20; m. c. 3. **SOCIAL PSYCHOLOGY**. B.S, Springfield Col, 42; B.D, Yale, 46; M.A., Nebraska, 47; Ph.D, American Univ, 59. Exec. secy, YMCA, Nebr, 45-49;

asst. prof. psychol, Union Col.(Nebr), 49-50; prog. coordinator, Mid-century, White House Conf. Children & Youth, 50; dir. ed. & training, Mutual Security Agency, Paris, France, 51; prog. dir. nat. training labs, Nat. Ed. Assn, 51-60; PROF. BEHAV. SCI. SCH. BUS. & GOVT, GEORGE WASHINGTON, 60-, dir. center behav. sci, 60-65. Rufus Jones lectr, Am. Friends Serv. Cmt, 66; vis. scholar, California, Los Angeles, 67. Pres, Leadership Resources, Inc, D.C., 60-67, chmn. bd, 67- Ed, J. Soc. Issues, 60. Distinguished civilian serv. award, U.S. Army, 57. Psychol. Asn; Soc. Personnel Admin. Phenomenon of leadership; group relations; communications and decision making in organizational process; process of change in individual, groups, organizational or cross cultural situations. Publ: Co-auth, Leader looks at group effectiveness; ed, Leadership in action; auth, Quest for dialogue. Address: 5605 Lamar Rd, Washington, D.C. 20016.

LIPPITT, PROF. RONALD, b. Jackson, Minn, Mar. 21, 14; m. 37; c. 3. SOCIAL PSYCHOLOGY. B.S. Springfield Col, 36; cert, Geneva, 35; M.A., Iowa, 38, Ph.D.(child develop), 40. Asst. child welfare res. sta, Iowa, 36-40; asst. prof. ed. & psychol, South. Ill. Norm. Univ, 40-41; vis. lectr. soc. psychol, New Sch. Soc. Res, 41-43; Pa. Sanitarian Comdr. Corps, U.S. Pub. Health Serv, 43-44; Off. Strategic Serv, 44-45; chief training, Fed. Security Agency, 45-46; assoc. prof. psychol, res. center group dynamics, Mass. Inst. Tech, 46-48; assoc. prof. PSYCHOL. & SOCIOL. MICHIGAN, 48-53, PROF, 53-, PROG. DIR. RES. CENTER GROUP DYNAMICS, 48- Asst. dir. res. & statist. serv, Boy Scouts of Am, New York, 41-43; vis. lectr, Harvard, 47-48. AAAS; fel. Psychol. Asn; Sociol. Asn; Soc. Appl. Anthropol. Social change and interaction; dynamics of group functioning. Address: Dept. of Psychology, University of Michigan, Ann Arbor, Mich. 48104.

LIPPITT, DR. VERNON G(ARVEY), b. Minn, Jan. 21, 16; m. 44; c. 4. ECONOMICS. S.B. Mass. Inst. Tech, 38, S.M., 39; Rhodes scholar & B.Phil, Oxford, 48; fel, Harvard, 54-55, Ph.D.(econ), 56. From instr. to asst. prof. & registr, Northwestern, 39-46; mkt. analyst, Gen. Elec. Co, 48-53; asst, Harvard, 54-55; economist, Gen. Elec. Co, 55-62; ASSOC. PROF. BUS. ADMIN, ROCHESTER, 62- Consult, cmt. consumer surv. statist, Fed. Reserve Bd, 55. Econ. Asn; Economet. Soc; Inst. Mgt. Sci. Economic research and forecasting national business indicators; national income analysis; forecasting sales and economic indicators. Publ: Determinants of consumer demand for house furnishings and equipment. Address: 321 Hollywood Ave, Rochester, N.Y. 14618.

LIPPMAN, DR. LOUIS G, b. Whittier, Calif, Jan. 10, 41; m. 65. PSYCHOLOGY. B.A. Stanford, 62; M.A. Mich. State, 63, Ph.D.(psychol), 66. ASST. PROF. PSYCHOL, WEST. WASH. STATE COL, 66- Psychol. Asn. Experimental psychology; learning and verbal learning. Publ: Co-auth, Compound stimuli in paired-associate learning, J. Exp. Psychol, 64; Serial position effect as a function of intertrial interval, J. Verbal Learning & Verbal Behav, 66; Fixed interval performance . . . Psychonomic Sci, 67. Address: Dept. of Psychology, Western Washington State College, Bellingham, Wash. 98225.

LIPSCHUTZ, DR. ALEXANDER, Exp. Med, Physiol, see 11th ed, Phys. & Biol. Vols.

LIPSCHUTZ, DR. LOUIS S(ANDERSON), b. Russia, May 23, 04; nat; m. 31; c. 3. PSYCHIATRY, PSYCHOANALYSIS. B.A. Michigan, 26, M.D., 30. Intern, Receiving Hosp, Detroit, Mich, 30-31, res. psychiatrist, 31-33, out-patient neurologist, 33-35; asst. psychiatrist, Wayne County Gen. Hosp, 35-36, sr. psychiatrist, 36-42, dir. psychiat, 45-49; from asst. prof. to ASSOC. PROF. PSYCHIAT, COL. MED. & PROF. LECTR, SCH. SOC. WORK, WAYNE STATE, 45- Attend. psychiatrist, Sinai Hosp; assoc. psychiatrist, Receiving Hosp; guest instr, N.Y. Psychoanal. Inst, 57-; training analyst, Psychoanal. Training Center, Detroit, Mich, 57-; consult. psychiatrist, Wayne County Ment. Health Clin; sr. consult, Vet. Admin. Dipl., Am. Bd. Psychiat. & Neurol. Med.C., 42-45, Lt. Col. Am. Med. Asn; fel. Psychiat. Asn; Psychoanal. Asn; fel. Col. Physicians. Clinical psychiatry. Address: 19750 Chesterfield Rd, Detroit, Mich. 48221.

LIPSET, PROF. SEYMOUR MARTIN, b. New York, N.Y., Mar. 18, 22; m. 43; c. 3. SOCIOLOGY. B.S. City Col. New York, 43; univ. fel, Columbia, 44-45, Ph.D.(sociol), 49; Soc. Sci. Res. Coun. fel, 45-46; M.A. Harvard, 66. Lectr. sociol, Toronto, 46-48; California, 48-49, asst. prof, 49-50, res. assoc. inst. indust. rel, 48-50; asst. prof. sociol, Columbia, 50-54, assoc. prof, 54-56, res. assoc. bur. appl. soc. res, 51-54, asst. dir, 54-56; assoc. prof. sociol, California, Berkeley, 56-57, prof, 57-66, res. assoc. inst. indust. rels, 56-66, dir, inst. int. studies, 62-66; PROF. GOVT. & SOC. RELS. & RES. ASSOC. CENTER INT. AFFAIRS, HARVARD, 66- Lectr, Salzburg Seminar Am. Studies, 51, 59; vis. prof, Free Univ. Berlin, 53; fel, Center Adv. Study Behav. Sci, 55-56; Ford res. prof, Yale, 60-61. Consult, Fund. for Repub, 58-; Anti-Defamation League, 59-; President's Cmn. Nat. Values, 59-61. Chmn. res. cmt. polit. sociol, Int. Sociol. Asn, 59-; cmt. int. rels. behav. sci. & mem. cmt. sociol, Nat. Acad. Sci, Nat. Res. Coun. Fel. Am. Acad. Arts & Sci; Sociol. Res. Asn; Soc. Legal & Polit. Philos; Sociol. Asn; Polit. Sci. Asn. Political sociology; social stratification. Publ: Political man: social bases of politics, Doubleday, 60; The first new nation, 63 & Revolution and counter-revolution, 68, Basic Books. Address: Harvard University, William James Hall 580, Cambridge, Mass. 02138.

LIPSETT, DR. LAURENCE CLINE, b. East Aurora, N.Y., May 8, 15; m. 39; c. 2. PSYCHOLOGY. B.A. Michigan, 37; Ed.M. Buffalo, 48, Ed.D., 51. Sr. clerk, Erie County Dept. Soc. Welfare, 39-43; personnel investr, U.S. Civil Serv. Cmn, 43-45; employ. interviewer, State Employ. Serv, N.Y., 45-46; counsr, ROCHESTER INST. TECH, 46-53, DIR, COUNSELING CENTER, 53- Psychol. Asn; Personnel & Guid. Asn; Voc. Guid. Asn; Asn. Measurement & Eval. Guid; Nat. Rehab. Asn. Counseling psychology; vocational guidance; educational and occupational information; personnel selection and placement. Publ: Co-auth, Technical institute; Personnel selection and recruitment, Allyn & Bacon, 64; Guideposts for personnel testing, Personnel J. Address: 207 Curtice Park, Webster, N.Y. 14580.

LIPSEY, DR. ROBERT E(DWARD), b. New York, N.Y., Aug. 14, 26; m. 48; c. 3. ECONOMICS. A.B. Columbia, 44, A.M., 46, Ph.D.(econ), 61. Asst. NAT.

BUR. ECON. RES, 45-52, res. analyst, 53-60, MEM. RES. STAFF, 60-; PROF. ECON, QUEENS COL.(N.Y.), 67- Lectr, Columbia, 61-64. Econ. Asn; fel. Statist. Asn; Economet. Soc. Economic role of government; trends in international trade and investment; financial structure of the United States; financial aspects of housing. Publ: Price and quantity trends in the foreign trade of the United States; co-auth, Studies in the national balance sheet; Measuring international price competitiveness, Nat. Bur. Econ. Res, 65. Address: 149-01 32nd Ave, Flushing, N.Y. 11354.

LIPSITT, PROF. LEWIS P(AEFF), b. New Bedford, Mass, June 28, 29; m. 52; c. 2. CHILD PSYCHOLOGY. B.A. Chicago, 50; M.S. Massachusetts, 52; Ph.D., Iowa, 57. Instr. PSYCHOL, BROWN, 57-58, asst. prof, 58-61, assoc. prof, 61-66, PROF, 66-, DIR. CHILD STUDY CENTER, 67- U.S. Pub. Health Serv. spec. res. fel, Tavistock Inst. Human Rel. & St. Mary's Hosp, London, Eng, 66; lectr, Nat. Sci. Found. Summer Inst. Psychol, Beloit Col, 67. Res. Consult, Nat. Insts. Health, 60- Mem. Gov. Adv. Cmn. Ment. Retardation, R.I., 63-66; sci. adv. panel, Center Adv. Studies Develop. Sci, Eng, 67- Clin. psychologist, Lackland Hosp, San Antonio, Tex. U.S.A.F., 52-54. Fel. AAAS; fel. Psychol. Asn; Soc. Res. Child Develop; Psychonomic Soc. Learning and motivation; child development. Publ: Co-ed, Research readings in child psychology, Holt, 63 & Advances in child development and behavior, Academic, 63-67; auth, Learning processes of human newborns, Merrill Palmer Quart. Behav. Develop, 65. Address: Dept. of Psychology, Brown University, Providence, R.I. 02912.

LIPSTEIN, DR. DAVID B(RUCE), b. Bethlehem, Pa, Apr. 27, 39; m. 62; c. 1. ECONOMICS. B.S. Cornell, 61; Hicks fel, Mass. Inst. Tech, 61-62, Indust. Rel. fel, 62-63, Sloan Sch. & Nat. Sci. Found. fel, 64-65, Ph.D.(econ), 67. Teaching asst. econ, Mass. Inst. Tech, 63-64; lectr. INDUST. RELS, STATE UNIV. N.Y. BUFFALO, 65-67, ASST. PROF, 67- Econ. Asn; Indust. Rel. Res. Asn. Labor market; employment; wages; collective bargaining; labor relations; manpower; economic security; public policy. Address: School of Business Administration, State University of New York at Buffalo, Buffalo, N.Y. 14214.

LIPSON, PROF. HARRY A(ARON), b. Wilkes-Barre, Pa, Mar. 10, 19; m. 48; c. 2. ECONOMICS. B.S. & B.A. Alabama, 39; M.B.A. Northwestern, 41; Ph.D.(econ), Pennsylvania, 55. Instr. econ, Alabama, 41-43; asst. prof, Pa. Area Col, 47-48; MKT, ALABAMA, 48-53, assoc. prof, 53-60, PROF. & HEAD DEPT, 60- Consult, 48- U.S.A.A.F., 43-46. Econ. Asn; Mkt. Asn. Retail store operations; marketing system administration. Publ: Co-auth, An introduction to marketing administration, Univ. Alabama, 67. Address: Dept. of Marketing, University of Alabama, University, Ala. 35486.

LIPSTEIN, DR. BENJAMIN, b. New York, N.Y., May 1, 23; m. 45; c. 2. STATISTICS, ECONOMICS. B.A. Brooklyn Col, 43; M.A. Columbia, 46, Ph.D., 56. Math. statistician, U.S. Bur. Labor Statist, 46-51; statist. consult, standards off, 51-54; tech. dir. mkt. res, Audits & Surv. Co, 55-57; tech. dir. & asst. to pres, Mkt. Planning Corp, 57-58; v.pres, assoc. res. dir. & dir. info. sys, Benton & Bowles, Inc, N.Y., 58-65; v.pres. & dir. res. & info. serv, SULLIVAN, STAUFFER, COLWELL & BAYLES INC, 65-67, SR. V.PRES. RES. & INFO. SERV. & MKT, 67- Lectr, Baruch Sch, City Col. New York, 56-59, adj. prof, 59-63. Dir, Oppenheimer Fund, 64-67. Consult, U.S. Bur. Labor Statist, 55; U.S. Bur. Census, 59-60. U.S.A., 43-45. Econ. Asn; Statist. Asn; Mkt. Asn; Opers. Res. Soc; Economet. Soc; Math. Asn; Inst. Math. Statist. Applications of statistical and mathematical methods to marketing and business problems, especially experimental design, multivariate analysis, probability models; development of statistical and research methods with applications to marketing and business. Publ: A mathematical model of consumer behavior, J. Mkt. Res, 8/65; The design of test marketing experiments, J. Advert. Res, 12/65; Prospects for the management sciences in advertising, Mgt. Sci, 10/66. Address: 4 N. Lake Rd, Armonk, N.Y. 10504.

LIPSTREU, PROF. OTIS, b. Aubrey, Tex, Mar. 5, 19; m. 46; c. 2. BUSINESS MANAGEMENT. B.S. N.Tex. State Col, 39, M.S., 40; Ed.D. Colorado, 48. From asst. prof. to PROF. BUS. MGT. COLORADO, 48- Bus. mgt. consult, 54-55; personnel & training consult, 55- U.S.C.G.R., 42-46. Personnel management; industrial training; executive development; automation. Publ: Developing human factors in supervision; Automation: implications for manpower management; co-auth, Transition to automation, Univ. Colorado, 64. Address: 832 Tenth St, Boulder, Colo. 80302.

LIPTON, DR. LEONARD, b. Chicago, Ill, Jan. 4, 26; m. 53; c. 2. COUNSELING, CLINICAL PSYCHOLOGY. B.A. Illinois, 46; M.A. La. State, 51; Ph.D., Kentucky, 56. Staff psychologist, Manteno State Hosp, Ill, 51-53; psychologist, Child Guid. Clin, Lexington, Ky, 53-56; ward psychologist, VET. ADMIN. HOSP, LEXINGTON, 56-59, CHIEF COUNSELING PSYCHOLOGIST, 59- Field assessment officer, Peace Corps, 67- Consult, Univ. Kentucky Counseling Serv, 60. Mem. Gov. Cmn. Employ. Phys. Handicapped, 59. U.S.A., 44-46. Psychol. Asn; Rehab. Asn. Acquisition and retention of verbal material, J. Abnorm. & Soc. Psychol; Semantic differential and mediated generalization as measures of meaning, J. Exp. Psychol; co-auth, Comparison of voc. int. patterns, Psychol. Reports, 10/63. Address: Veterans Administration Hospital, Lexington, Ky. 40507.

LIPTON, MILTON, b. Elizabeth, N.J., Apr. 11, 19; m. 59; c. 6. ECONOMICS, STATISTICS. B.A. Rutgers, 39; Columbia, 39-42; Soc. Sci. Res. Coun. fel, Stanford, 45-46. Instr. econ, Stanford, 47; lectr, California, 48-49; res. assoc. Nat. Bur. Econ. Res, 49; br. chief, U.S. Bur. Labor Statist, 50-53; economist, Nat. Indust. Conf. Bd, 53-56; EXEC. V.PRES. PETROL, ECON, W.J. LEVY, INC, 56- Adj. assoc. prof, N.Y. Univ, 65- Consult, U.S. Spec. Rep, Europe, 52; bus. res. adv. coun, U.S. Bur. Labor Statist, 55- Statist. Asn. Investment, trade and pricing economics of petroleum products; current business analysis, especially cyclical fluctuations and trends in labor and industrial productivity. Publ: Some major determinants of future oil requirements and supplies; Productivity trends; Cyclical diffusion: a new tool for business analysis. Address: W.J. Levy, Inc, 30 Rockefeller Plaza, New York, N.Y. 10020.

LIPTON, DR. MORRIS A(BRAHAM), Exp. Psychiat, Med, see 11th ed, Phys. & Biol. Vols.

- LIPTON, DR. MORTIMER B (ENJAMIN), b. New York, N.Y., Sept. 27, 20; m. 54; c. 2. CLINICAL PSYCHOLOGY. B.S.S. City Col. New York, 41; Edinburgh, 45; M.A. Columbia, 47, Ph.D. 51. Chief psychologist, State Hosp, Brooklyn, N.Y., 47-55; dir. psychol. serv., State Hosp, Norristown, Pa., 55-64; chief psychologist, Pa. Off. Ment. Health, 64-67; MED. RES. SCIENTIST, STATE HOSP, NORRISTOWN, 67- Sr. psychologist, Neuropsychiat. Clin., Brooklyn, N.Y., 48-53; Child Guid. Clin., 51-55; Henry St. Settlement, 54-55; instr., City Col. N.Y., 50-54; vis. asst. prof., Pennsylvania, 57-58. Dipl. Am. Bd. Exam. Prfnl. Psychol., 54. Med.Serv.C., 42-46, Res., 49-55, 1st Lt. Psychol. Asn. Psychological evaluation of drug therapies utilized in the treatment of schizophrenia; application of projective test techniques in the selection of student psychiatric nurses; differential diagnostic problems associated with the delineation of the mild schizophrenic syndrome; program evaluation; mental health services. Publ: Differentiation of mild schizophrenia from psycho neuroses by means of the Rorschach test; Test evidence of personality change and prognosis by means of the Rorschach and Wechsler-Bellevue tests on 17 insulins treated paranoid schizophrenics; Screening of student nurses by means of a group projective inventory. Address: Norristown State Hospital, Norristown, Pa. 19401.
- LIRTZMAN, DR. SIDNEY, b. New York, N.Y., Nov. 9, 30; m. 52; c. 2. CLINICAL PSYCHOLOGY. B.S. City Col. New York, 51; M.A. Columbia, 52, fel., 52-53, Ph.D.(clin. psychol.), 55. Res. consult. & res. supvr. advert, Ted Bates & Co., N.Y., 55-56; dir., Oxtoby-Smith, Inc., 56-57, v.pres. indust. commercial & psychol. res., 57-59; Center for Res. Mkt. Inc., 59-60; indust. commercial, psychol. & mkt. res., Nowland & Co., Inc., Conn., 60-65; mgr. mkt. sci., Control Data Corp., 65-67; ASSOC. PROF. MGT, BARUCH COL, CITY UNIV. NEW YORK, 67- Res. consult., David D. Polon Advertising, Ltd., N.Y., 52-55; sr. consult. psychologist, Bur. Artistic Aptitude Testing, 56-; sr. consult. Scientist & Engr. Tech. Inst., 60-; consult., N.Y. Asn. Blind, 64-; N.Y. Times, 65-; McKinsey Found. Mgt. Res. Control Data Corp. & Soc. Plastics Indust., 67- Mem. bd. dirs. Inst. Adv. Criminal Justice, 67- AAAS; Psychol. Asn. New product development in industry; marketing; consumer behavior; advertising; executive development; selection; appraisal; application of behavioral science to management and marketing; computer applications in research and decision processes. Publ: Co-auth. Counseling and placement of blind persons in professional occupations: research and practice, Byrd Press, Va., 66; auth. The computer and attitude scaling, In: Attitude research at sea, Am. Mkt. Asn., 66; Managerial control of forecasting, J. Comput. Ops., 67. Address: 64 Amherst Place, Stamford, Conn. 06902.
- LISANSKY, DR. EDITH S (ILVERGLIED), Psychol., see GOMBERG, DR. EDITH S (ILVERGLIED).
- LISHAN, PROF. JOHN M, b. Philadelphia, Pa., Feb. 23, 18; m. 43; c. 3. ECONOMICS. B.A. Pa. State, 42; M.A. California, Los Angeles, 47; M.A. Harvard, 51, Ph.D. 59. Instr. econ. Brown, 50-51; price economist, Off. Price Stabilization, 51-52; asst. prof. bus. econ. grad. sch. bus. admin. California, Los Angeles, 52-63; ASSOC. PROF. FINANCE, SOUTHERN CALIFORNIA, 63- V.pres. & economist, Nat. Theatres Div., Nat. Theatres & TV, Inc., 58-61. Econ. counsel, Nat. Asn. Consumer Orgns, 58-60. U.S.A.A.F., 42-46. Econ. Asn; Statist. Asn. Industrial organization and social control; price theory; monetary policy. Publ: The use of tests in American industry, Personnel; co-auth. Time deposits, the banking system and inflation, South. Econ. J.; auth. The cellophane case and the cross-elasticity of demand, Antitrust Bull., 7-8/59. Address: 147 S. Poinsettia Place, Los Angeles, Calif. 90036.
- LISKA, DR. GEORGE, b. Pardubice, Czech, June 30, 22. POLITICAL SCIENCE. Dr. Jur., Prague, 48; Ph.D. Harvard, 55. Acting asst. prof. POLIT. SCI. Washington (Seattle), 56-57; asst. prof. Mich. State, 57-58; Chicago, 58-61; res. assoc. Wash. Center For. Policy Res., Hopkins, 60-63; PROF. POLIT. SCI., Wesleyan, 63-64; HOPKINS, 64-; SCH. ADV. INT. STUDIES, D.C., 67- Polit. Sci. Asn. International relations, particularly problems of security and order. Publ: International equilibrium; New statecraft; Nations in alliance. Address: Johns Hopkins University, 1740 Massachusetts Ave. N.W., Washington, D.C. 20037.
- LISKE, DR. RALPH E (D'GAR), b. Cleveland, Ohio, Mar. 7, 10; m. 32; c. 4. CLINICAL & COUNSELING PSYCHOLOGY. B.A. Col. Wooster, 32; M.A. Oberlin Col., 49; Ph.D.(indust. psychol.) Western Reserve, 57. Mgr. advert. & sales, Am. Felsol Co., N.Y., 32-37, Ohio, 46-54; med. detailman, SMA Corp., N.Y., 38-40, asst. biochem. nutrit. res. labs., Ohio, 41-43; act. welfare dir., Paul Revere Center, Hiram House, 43-45; personnel res. analyst, B.F. Goodrich Co., 54-57; asst. clin. prof. psychol. sch. med. Western Reserve, 57-62, asst. dir. personnel res. serv., 57-59, assoc. voc. couns., 59-62; asst. prof. psychol. job placement & rehab. couns. training, Kent State, 62-63; CLIN. & COUNSELING PSYCHOLOGIST, BRECKSVILLE VET. ADMIN. HOSP., 63-; ASSOC. PSYCHIAT. SCH. MED. CASE WESTERN RESERVE, 65- Off. Voc. Rehab. res. grant consult. sch. med. Western Reserve, 60-66. Consult. Crille & Broadview Heights Vet. Admin. Hosp., 59. U.S.A., 44-45. Psychol. Asn. Attitudes and opinions research; psychological, vocational and rehabilitation counseling; research in medical education and practice. Publ: Co-auth. The doctor's perspective—physicians view their patients and practice, Case Western Reserve Univ. Press, 67, Clinical performance and related traits of medical students and faculty physicians, J. Med. Ed., 1/64 & Predicting judged quality of patient care in general hospitals, Health Serv. Res., spring 67. Address: Case Western Reserve University, Cleveland, Ohio 44240.
- LISS, DR. SEYMOUR S (HELDON), b. Chicago, Ill., Feb. 18, 21; m. 50. PSYCHOLOGY. B.A. Roosevelt, 51, M.A., 54; Ph.D.(psychol.), Kansas, 63. Team, psychologist, FT. LOGAN MENT. HEALTH CENTER, 63-67, TEAM LEADER & PROJ. DIR., 67- Consult. psychologist, Fed. Youth Center, Englewood, Colo., 65- U.S.A., 42-46, Sgt. Psychol. Asn. Animal conditioning and learning theory; community oriented remediation program for chronically disabled psychiatric patients. Publ: The effects of stimulus conditions, duration of training and reward on runway performance, Dissertation Abstracts, 64. Address: 13687 W. Virginia Dr., Denver, Colo. 80228.
- LISSNER, WILL, b. New York, N.Y., Nov. 11, 08. ECONOMICS. Lic. Lloyd Theol. Sem., 34; New Sch. Soc. Res., 34-36. REPORTER, NEW YORK TIMES, 23-; ED. J. ECON. & SOCIOL., 41- Ed. The Freeman, 37-38. Lectr., New Sch. Soc. Res., 53-59. Consult. Info. Please Almanac, 68- Econ. Asn; Economet. Soc; Statist. Asn; Sociol. Asn. Sociological and land economics; economic statistics. Publ: American exploitation of fuels and minerals; Land socialization in Soviet agriculture, 1917-1949; Work-time statistical method for international price comparisons. Address: News Dept., New York Times, Third Floor, 229 W. 43rd St., New York, N.Y. 10036.
- LISTER, DR. LOUIS, Econ., see 10th ed, Soc. & Behav. Vols. Latest known address: 165 W. 91st St., New York, N.Y. 10024.
- LISTER, PROF. ROBERT H, b. Las Vegas, N.Mex., Aug. 7, 15; m. 42; c. 2. ANTHROPOLOGY. B.A. New Mexico, 37, M.A., 38; Cutting scholar, Harvard, 46-47, M.A., 47, Ph.D.(anthrop.), 51. Asst. ANTHROP. New Mexico, 40-41; instr., COLORADO, 47-48, asst. prof., 49-53, assoc. prof., 54-57, PROF., 58- Ford Found. fel., 53-54. U.S.A., 41-46, Maj. AAAS; Soc. Am. Archaeol; Anthropol. Asn. Archaeology of Mexico and southwestern United States; Nubian archaeology, Republic of the Sudan; Mesa Verde archaeology, Colorado. Publ: Archaeological excavations in the northern Sierra Madre Occidental, Chihuahua and Sonora, Mexico & Contributions to Mesa Verde archaeology: II, Site 875, Mesa Verde National Park, Colorado, 65, Univ. Colo. Studies Series Anthropol; Chihuahua, storehouse of storms, Univ. N.Mex., 66. Address: Dept. of Anthropology, University of Colorado, Boulder, Colo. 80302.
- LIT, PROF. ALFRED, Exp. Psychol., see 11th ed, Phys. & Biol. Vols.
- LITCHFIELD, DR. EDWARD H (AROLD), Polit. Sci., see 10th ed, Soc. & Behav. Vols., deceased 68.
- LITHWICK, DR. N. H, b. Ottawa, Ont., Oct. 10, 38; m. 64; c. 2. ECONOMICS. B.A. Western Ontario, 60; A.M. Harvard, 62, Ph.D.(econ), 63. Asst. prof. ECON, CARLETON (CAN), 63-67, ASSOC. PROF., 67- Consult. Royal Cmn. Taxation, 63-67; Sci. Coun., 67- Growth and economic development, especially policy questions; science policy; education; structural change. Publ: Co-auth. Postwar production relationships, Nat. Bur. Econ. Res., 67 & The sources of economic growth, Queen's Printer, 68; auth. Economic growth in Canada, Univ. Toronto, 68. Address: Dept. of Economics, Carleton University, Ottawa 1, Ont., Can.
- LITMAN, PROF. SIMON, Econ., see 10th ed, Soc. & Behav. Vols.
- LITT, DR. EDGAR, Polit. Sci., see 10th ed, Soc. & Behav. Vols.
- LITTELL, DR. ARTHUR S (IMPSON), Biostatist., see 11th ed, Phys. & Biol. Vols.
- LITTELL, DR. C (LAIR) F (RANCIS), Polit. Sci., see 10th ed, Soc. & Behav. Vols., deceased 66.
- LITTERER, PROF. JOSEPH AUGUST, b. New York, N.Y., Oct. 16, 26; m. 53; c. 3. MANAGEMENT SCIENCE. B.S. Drexel Inst. Tech., 50, M.B.A., 55; Ph.D.(bus), Illinois, 59. Supvr. test equip., Radio Corp. Am., 52-55; asst. mgt., ILLINOIS, URBANA, 55-57, instr., 57-59, asst. prof., 59-64, PROF. BUS. ADMIN., 64- Consult. Corn Prods. Ref. Co., 57-58; Bendix Corp., 60-61. Sig. C., 50-52, Sgt. Econ. Asn; Inst. Mgt. Sci; Soc. Adv. Mgt; Acad. Mgt; Social Asn. Organizational behavior, especially the relationship between formal organization structure and the individual and group behavior of organization members; theories and practices relevant to staff in organizations; history of management, especially the period before 1900. Publ: Organizations: structure and behavior, 63 & The analysis of organizations, 65, Wiley; Systematic management: design for organizational recoupling in American manufacturing firms, Bus. Hist. Rev., winter 63. Address: College of Commerce & Business Administration, University of Illinois, Urbana, Ill. 61801.
- LITTIG, PROF. LAWRENCE W (ILLIAM), b. Madison, Wis., June 30, 27; m. 57. SOCIAL PSYCHOLOGY. B.S. Wisconsin, 50, M.S., 54 & 55; Ph.D.(soc. psychol.), Michigan, 59. Res. assoc. & instr. motivation, Michigan, 58-59; asst. prof. soc. psychol., Buffalo, 59-62; asst. prog. dir. soc. sci. facilities, Nat. Sci. Found., 62-64; soc. psychologist, W.E. Upjohn Inst., 64-65; assoc. prof. SOC. PSYCHOL., HOWARD, 65-68, PROF., 68- Ford Found. grant, 60-61; prin. investr., Nat. Sci. Found. Grant, 61-; Fulbright sr. scholar, Univ. Nottingham, 61-62; U.S. Off. Ed. study grants, 65- Consult. Sch. Bd. of Corning, N.Y., 60-61. AAAS; Am. Psychol. Asn; Sociol. Asn; Brit. Psychol. Soc. Social biopsychology. Publ: Test anxiety and skin conductance; co-auth. Achievement motivation and intergenerational occupational mobility, J. Personality & Soc. Psychol., 65; Sex and experimenter interaction in serial verbal learning, J. Verbal Learning & Verbal Behav., 67. Address: Dept. of Psychology, Howard University, Washington, D.C. 20001.
- LITTLE, DR. CATHERINE CORSON, b. Philadelphia, Pa., Jan. 8, 11; m. 50. ECONOMICS. A.B. Vassar Col., 32; M.A., Mills Col., 34; M.A. Radcliffe Col., 42, Ph.D.(econ), 52. From statistician, Off. U.S. High Cmnr. Germany to Tunisia desk officer, Agency Int. Develop. Int. Coop. Admin, U.S. Dept. State, 47-68; RETIRED. Econ. Asn. International commodity problems. Publ: Co-auth. Sugar, produce or import. Address: 2005 Martha's Rd., Hollin Hills, Alexandria, Va. 22307.
- LITTLE, DR. D. RICHARD, b. Los Angeles, Calif., Aug. 22, 31; m. 63; c. 2. POLITICAL SCIENCE. B.A. California, Berkeley, 54; M.A. California, Los Angeles, 60, Ph.D.(polit. sci.), 65. Instr. POLIT. SCI., NORTHERN ILLINOIS, 63-65, ASST. PROF., 65- Northern Illinois Univ. res. grants, 68. U.S.A., 54-57. Polit. Sci. Asn; Asn. Adv. Slavic Studies. Soviet politics, especially comparative study of communist systems. Publ: Liberalization in the U.S.S.R., Heath, 68; The academy of pedagogical sciences—its political role, Soviet Studies, 1/68. Address: Dept. of Political Science, Northern Illinois University, DeKalb, Ill. 60115.

- LITTLE, PROF. GEORGE T (HOMAS)**, b. Portland, Maine, July 28, 18. POLITICAL SCIENCE. A.B., Bowdoin Col., 40; A.M., Fletcher Sch. Law & Diplomacy, 41; A.M., Columbia, 43; Ph.D., Yale, 48. Intel. analyst, Bd. Econ. Warfare, 42-43; ed. secy. civilian pub. serv., Am. Friends Serv. Cmt., 43-46, chief Austrian Mission, 48-49; asst. instr., Yale, 46; instr., New Haven Jr. Col. Commerce, 46-47; Swarthmore Col., 47-48; Hartford Br., Connecticut, 50; from asst. prof. to PROF. POLIT. SCI., VERMONT, 50- Prof., grad. sch. diplomacy, Nat. Polit. Univ., Taipei, Taiwan, 56; Nat. Defense Ed. Act. fel., Harvard, 64-66. V.chmn. exec. cmt., Nat. Coun. For. Area Mat., 67- Polit. Sci. Asn.; Soc. Int. Law; Asn. Asian Studies. International relations and organization; international law; international relief administration. Address: Dept. of Political Science, University of Vermont, Burlington, Vt. 05401.
- LITTLE, HERSCHEL W (RAY)**, b. El Reno, Okla., May 3, 13; m. 38; c. 3. AGRICULTURAL ECONOMICS. B.S., Okla. Agr. & Mech. Col., 37, M.S., 39; La. State, 38-40. Field rep. agr. mkt. serv., U.S. Dept. Agr., Tenn., 39-42, asst. agr. economist, mkt. & transportation div., bur. agr. econ., 42-46; assoc. statistician, Bur. Labor Statist., 46-48; asst. agr. economist, agr. exp. sta., Florida, 48-51; econ. analyst, Off. Price Stabilization, 51-53; STATISTICAL, SOUTH. UTILIZATION LAB, AGR. RES. SERV., U.S. DEPT. AGR., 53- Cotton mkt. specialist, agr. exp. sta., La. State, 39-42; mem. South. Regional Ed. Bd. South. Regional Grad. Summer Session Statist., Univ. Georgia, 66. U.S.N., 42-45. AAAS; Research Soc. Soc. Test. & Mat.; Soc. Qual. Control. Cotton processing; design of experiments and interpretation of experimental data. Address: 1436 Burbank Dr., New Orleans, La. 70122.
- LITTLE, DR. JACK F (ERAMORZ)**, b. Salt Lake City, Utah, June 15, 19; m. 51; c. 3. PSYCHOLOGY. A.B., California, Los Angeles, 40, M.A., 42; Ph.D. (psychol.), Southern California, 50. Staff clin. psychologist, ment. hyg. clin., Vet. Admin., San Diego, Calif., 50-51; U.S. Naval Training Center, 51-53; head psychol. dept., U.S. Naval Hosp., Oakland, Calif., 53-57; admin. coordinator, Inst. Soc. & Personal Rels., 55-67; COORDINATOR INNOVATION IN STUDENT LIFE, OFF. STUDENT AFFAIRS, CALIFORNIA, IRVINE, 67- U.S.A., 44-46. AAAS; Psychol. Asn.; Acad. Polit. & Soc. Sci. Applied social psychology; intra-group and inter-group relations; personality theory. Address: 8201 Woolburn Dr., Huntington Beach, Calif. 92646.
- LITTLE, PROF. J (AMES) KENNETH**, b. Alden, Kans., Sept. 1, 06; m. 30; c. 3. EDUCATIONAL PSYCHOLOGY. A.B., Sterling Col., 28, hon. LL.D., 51; fel., Kans. State Teachers Col., 30-31, M.S., 31; Ph.D. (psychol.), Ohio State, 34. Asst. prof. ed., WISCONSIN, MADISON, 34-39, assoc. prof., 39-43, PROF., 45-65, ED. ADMIN., 65-, CO-DIR., CENTER STUDIES VOC-TECH. ED., 64-, chmn. dept. ed., 43-44, registr. & dir. student personnel serv., 45-50, v.pres. student affairs, 50-57, dir. inst. studies, 60-64. Dep. U.S. cmnr., Wash. D.C., 54-55; dir. surv. fel. prog. higher ed., U.S. Dept. Health, Ed. & Welfare, 60-61. Consult., Stevenson, Jordan & Harrison, Inc., Ill., 44-45. Pres., Am. Asn. Higher Ed., 51. AAAS; Psychol. Asn.; Nat. Soc. Study Ed. Higher education; occupations of non-college youth; characteristics of vocational school students and their occupational history. Publ: Occupations of non-college youth, Am. Ed. Res. J., 3/67. Address: 1009 Tumalo Trail, Madison, Wis. 53711.
- LITTLE, DR. JAMES W (ILLIAM)**, b. Tryon, N.C., Apr. 26, 18; m. 58; c. 3. PSYCHOLOGY, EDUCATION. A.B., North Carolina, Chapel Hill, 39, M.S., 49, Ph.D. (ed.), 63. Personnel asst., Ford Instrument Co., N.Y., 41-43; voc. counsr., NORTH CAROLINA, CHAPEL HILL, 46-49, assoc. dir. guid., 50-63, DIR. GUID. & TESTING CENTER, 64- U.S.A.A.F., 43-45, Sgt. Psychol. Asn.; Personnel & Guid. Asn. Psychological tests and measurements; prediction of academic success; counseling and guidance. Address: P.O. Box 675, Chapel Hill, N.C. 27514.
- LITTLE, PROF. JOHN D (UTTON) C (ONANT)**, Oper. Res., see 11th ed, Phys. & Biol. Vols.
- LITTLE, PROF. KENNETH B (RUCE)**, b. Wasco, Calif., Jan. 2, 18; m. 59; c. 1. PSYCHOLOGY. Ph.D. (psychol.), California, Los Angeles, 51. Clin. psychologist, Vet. Admin., 51-52; asst. prof. psychol., Stanford, 52-57; psychologist, Nat. Inst. Ment. Health, 57-61; PROF. PSYCHOL., DENVER, 61-Dipl., Am. Bd. Exam. Prfnl. Psychol., 55. U.S.N., 41-46. Psychol. Asn.; Psychomet. Soc. Personality evaluation; test construction. Publ: Congruencies among interpretations of psychological test and anamnestic data, Psychol. Monogr.; Validity of TAT interpretations, J. Consult. Psychol.; Confidence and reliability, J. Ed. Psychol. Measurement. Address: R.R. 1, Box 200, Parker, Colo. 80134.
- LITTLE, PROF. MAUS E (LDER)**, b. Philadelphia, Pa., Feb. 25, 29; m. 57; c. 2. PSYCHOLOGY. B.A., New Mex. West. Col., 54, M.S., 55. Counsr., Tex. Tech. Col., 55-56; PROF. PSYCHOL., NORTHLAND COL., 56-, DIR. TESTING SERV., 61-, dir. student affairs, 56-60, dir. summer session, 57-61. U.S.A., 47-49, 50-51, Sgt. AAAS; Psychol. Asn.; Personnel & Guid. Asn. Institutional research; determinants of success and failure in selected areas; identification of counseling needs; psychometric identification and delineations of determinants involved in student selection of academic major. Address: Division of Social Sciences, Northland College, Ashland, Wis. 54806.
- LITTLE, PROF. RICHARD STARK**, b. Wheeling, W.Va., Aug. 24, 30; m. 53; c. 3. GEOGRAPHY. A.B., Dartmouth Col., 52; M.A., Syracuse, 58, fel., 60-61, Ph.D. (geog.), 61. Asst. prof. GEOG., Pa. State, 61-62; ASSOC. PROF., WEST VIRGINIA, 62- U.S.N.R., 52-56, Lt. Asn. Am. Geog. Nat. Coun. Geog. Ed. Community development. Address: Dept. of Geology & Geography, West Virginia University, Morgantown, W.Va. 26506.
- LITTLE, DR. ROBERT WILSON**, b. Indianapolis, Ind., June 5, 29; m. 53; c. 2. BUSINESS ADMINISTRATION, MARKETING. B.S., Indiana, 53, M.B.A., 56, D.B.A. (mkt.), 61. Teaching assoc. MKT., Indiana, 56-58; asst. prof., Omaha, 58-61; WASHINGTON (SEATTLE), 61-62, ASSOC. PROF., 64- C.Eng. U.S.A., 53-55. Mkt. Asn. Marketing institutions and channels; sales and marketing management; social and economic issues in marketing. Publ: The Hart truth in packaging bill, Univ. Washington Bus. Rev., 4/63; co-auth., Marketing channels: analytical systems and approaches, In: Science in marketing, Wiley, 65; auth., Should a product manager buy promotion from his middlemen?, Northwest Mkt., 66. Address: School of Business Administration, University of Washington, Seattle, Wash. 98105.
- LITTLE, DR. ROGER W (ILLIAM)**, b. Moose Lake, Minn., Feb. 3, 22; m. 48; c. 4. SOCIOLOGY. A.B., Harvard, 48; M.A., Chicago, 49, Ph.D. (sociol.), Mich. State, 55. Res. sociologist, Med. Serv., U.S. Army, 52-62; asst. prof. SOCIOL., U.S. Mil. Acad., 62-66; ASSOC. PROF., ILLINOIS, CHICAGO CIRCLE, 66- U.S.A., 40-46, 49-66. AAAS; fel. Sociol. Asn. Military organization; medical sociology. Publ: Collective solidarity and combat role performance. Address: Dept. of Sociology, University of Illinois at Chicago Circle, Chicago, Ill. 60680.
- LITTLE, DR. SHERMAN**, Pediat., see 11th ed, Phys. & Biol. Vols.
- LITTLE, PROF. VIRGINIA C (OLE)**, Int. Rels., Sociol., see 10th ed, Soc. & Behav. Vols.
- LITTLE, PROF. WALLACE IRWIN**, b. Kewanee, Ill., July 16, 21; m. 50; c. 5. TRANSPORTATION ECONOMICS. B.S., Illinois, 43, M.S., 47; Ph.D., Wisconsin, 52. Instr. transportation, Ore. State Col., 52-54; asst. prof., WASHINGTON (SEATTLE), 54-56, assoc. prof. TRANSPORTATION & GEN. BUS., 56-62, PROF., 62- Fulbright lectr. integrated mgt., Helsinki Sch. Econ. & Swedish Sch. Econ., 65-66. U.S.A., 43-45, C.Eng., 45-46, 1st Lt. Transportation, especially highway cost allocation and safety cost analysis and transportation pricing; business fluctuations; public utilities; statistics. Publ: Future of guaranteed rates, Distribution Age; Cost based rate increase formula; co-auth., Cost of motor vehicle accidents. Address: College of Business Administration, University of Washington, Seattle, Wash. 98105.
- LITTLEFIELD, DR. HAROLD J**, b. Verona, N.J., July 30, 09. MARKETING, INDUSTRIAL MANAGEMENT. B.A., N.Y. Univ., 38, M.B.A., 49, Ph.D. (mkt. mgt.), 65. Flight & aviation ground sch. operator, 42-53; instr., Manhattan Col., 53-56; admin. asst. to dean, grad. sch. bus., N.Y. Univ., 56-60; asst. prof. MKT., MANHATTAN COL., 60-65, ASSOC. PROF., 65-, CHMN. DEPT., 60- Mkt. Asn.; Econ. Hist. Asn. Application of findings of psychology to problems of marketing. Publ: Application of behavioral sciences to business management organization theory, Univ. Microfilms, 65. Address: Dept. of Marketing, Manhattan College, Riverdale, Bronx, N.Y. 10471.
- LITTLETON, DR. C (OVINGTON) SCOTT**, b. Los Angeles, Calif., July 1, 33; m. 61; c. 1. ANTHROPOLOGY. A.B., California, Los Angeles, 57, Town Hall-Haynes Found. fel., 60-61, M.A., 62, Ph.D. (anthrop.), 65. Teaching asst. ANTHROP., California, Los Angeles, 58-60, res. asst., center study comp. folklore & mythology, 61-62; asst. prof., OCCIDENTAL COL., 62-68, ASSOC. PROF., 68-, CHMN. DEPT. SOCIOL. & ANTHROP., 67- U.S.A., 50-52. Fel. Anthrop. Asn.; Folklore Soc. Anthropology of myth, religion and folklore; comparative Indo-European mythology; anthropological linguistics; nature and location of the Proto-Indo-European community. Publ: The new comparative mythology: an anthropological assessment of the theories of Georges Dumézil, Univ. Calif., 66; A two-dimensional scheme for the classification of narratives, J. Am. Folklore, 3/65; Toward a genetic model for the analysis of ideology: the Indo-European case, West. Folklore, 1/67. Address: Dept. of Sociology & Anthropology, Occidental College, Los Angeles, Calif. 90041.
- LITTMAN, PROF. RICHARD A (NTON)**, b. New York, N.Y., May 8, 19; m. 41; c. 2. PSYCHOLOGY. A.B., George Washington, 43; Indiana, 43-44; Ph.D. (psychol.), Ohio State, 48. Instr. PSYCHOL., Ohio Wesleyan, 46-47; asst. prof., OREGON, 48-52, assoc. prof., 53-59, PROF., 59-, HEAD DEPT., 63- Fund Adv. Ed. fel., 52-53; vis. scientist, Nat. Inst. Ment. Health, 58-59; Nat. Sci. Found. sr. fel., 66-67. Fel. Psychol. Asn.; Animal Behavior Soc. Psychology of learning; development of social behavior in infant animals and humans; analysis of psychological concepts. Publ: Co-auth., Studies of individual and paired interaction problem solving behavior of rats, Genetic Psychol. Monogr.; auth., Motives, history and causes, Neb. Symp.; co-auth., Assertive behavior in children, Soc. Res. Child Develop. Monogr. Address: Dept. of Psychology, University of Oregon, Eugene, Ore. 97403.
- LITRELL, PROF. ROBERT T (HOMAS)**, b. Winfield, Kans., Nov. 6, 26; m. 46; c. 2. EDUCATIONAL PSYCHOLOGY, PSYCHOLOGICAL MEASUREMENT. B.S., Nebraska, 50, M.A., 51, Ed.D., 57. Prin., Blue Hill High Sch., 51-53; dir. elem. jr. high & teacher ed., Govt. of Am. Samoa, 53-55; asst. ed. psychol., Nebraska, 55-56, instr., 56-57; asst. prof. psychol., CALIF. STATE COL. LONG BEACH, 60-64, PROF. PSYCHOL. & DIR. INSTNL. STUDIES & DATA PROCESSING, 64-, test officer, 57-58, head off. testing & instnl. res., 58-64. Tech. consult. off. instnl. res., Calif. State Colls., 62- Field reader, off. ed., Dept. Health, Ed. & Welfare, 64- U.S.M.C., 43-45. Psychol. Asn.; Asn. Ed. Data Sys. Institutional research; differential testing; research designs; teaching of mathematics. Publ: English-Samoan reader; English-Samoan dictionary; Differential characteristics among students graduating from various curricular patterns. Address: Dept. of Psychology, California State College at Long Beach, 6101 E. Seventh St., Long Beach, Calif. 90804.
- LITVAK, PROF. ISIAHA A**, b. Shanghai, China, Oct. 1, 36; Can. citizen; m. 58; c. 1. INTERNATIONAL BUSINESS, MARKETING. B.Com. McGill, 57; M.A., Columbia, 59, univ. fel., Can. Coun. award & Ph.D. (int. bus.), 64. Lectr., mkt., McMASTER, 61-62, asst. prof., 62-65, assoc. prof., 65-67, PROF. MKT. & INT. BUS., 67- Participant, Ford Found. Workshop, 64; vis. prof. sch. bus., Cape Town, 67. Consult., dept. manpower & immigration, Fed. Govt. Can., 65- Mkt. Asn.; Sales & Mkt. Exec. Int. An examination of United States-Canadian business arrangements; trading with communist countries; contemporary business issues. Publ: Co-auth., Marketing: Canada, 64 & auth., The nation keepers, 67, McGraw; An annotated bibliography on Canadian marketing, Am. Mkt. Asn., 67. Address: School of Business, McMaster University, Hamilton, Ont., Can.
- LITWACK, DR. LAWRENCE**, b. Chelsea, Mass., Sept. 18, 29; m. 57; c. 4. GUIDANCE, COUNSELING. B.A., Massachusetts, 52; M.A., Columbia, 55; Ed.D., Boston, 59. Juvenile training counsr., Lyman Sch. Boys, 55-57; asst. prof. ed., Boston, 57-63; ASSOC. PROF. COUNSELING & DIR. GUID. LAB., KENT STATE, 63-, COORDINATOR STUDENT PERSONNEL COUNSR. ED.

- 67- Consult, U.S. Dept. Labor, 64. U.S.A. 52-54. Psychol. Asn; Personnel & Guid. Asn. Juvenile delinquency; personnel services in nursing education; counselor education. Publ: Co-auth, Critical issues in student personnel work, Rand McNally, 65; Research in counseling, Peacock, 68. Address: 7358 Sylvan Dr, Kent, Ohio 44240.
- LITWAK, PROF. EUGENE, b. Detroit, Mich, June 23, 25; m. 49; c. 2. SOCIOLOGY. B.A. Wayne, 48; Ph.D.(sociol), Columbia, 58. Res. assoc, housing res. center, Cornell, 51-52; instr. sociol. & asst. dir, family study center, Chicago, 53-56; instr, Columbia, 56-58, asst. prof. & dept. rep, Columbia Col, 58-59; assoc. prof. SOC. WELFARE RES, MICHIGAN, 59-64, PROF, 64- Consult, soc. sci. res. center, Puerto Rico, 55; faculty sch. nursing, Wayne State, 60-61; dept. health & sch. med, Puerto Rico, 65-Mem. adv. panel, Social Security & Welfare Admin. Coop. Res. & Demonstration Grant Prog, 62-65; behav. sci. rev. panel, Career Develop. Res. Br, 66-67; fel, Center Adv. Study Behav. Sci, 66-67. U.S.A. 43-45. Sociol. Asn; Soc. Study Social Prob. How family and neighborhood groups maintain themselves in urban communities; relation of large industrial concerns, schools and social work agencies to local communities. Publ: Use of extended family groups in the achievement of social goals: some policy implications, Soc. Prob; Group structure and interpersonal creativity as factors with reduce errors in the prediction of marital adjustment, Soc. Forces; Geographical mobility and extended family cohesion, Am. Social Rev. Address: School of Social Work, University of Michigan, 1065 Frieze Bldg, Ann Arbor, Mich. 48104.
- LITWIN, DR. GEORGE HENRY, b. Detroit, Mich. Aug. 4, 36; div; c. 2. SOCIAL PSYCHOLOGY. A.B. Michigan, 58; Nat. Sci. Found. fel, Harvard, 58-61, Ph.D.(soc. psychol), 65. Instr. ORGN. BEHAV. GRAD. SCH. BUS. ADM. PH.D. HARVARD, 63-65, ASST. PROF, 65-, res. assoc, grad. sch. ed, 67-68. Dir. prog. develop, Behav. Sci. Center Sterling Inst, 66- Mem, Harlem Develop. Adv. Coun, 67- Theory and research of human motivation; motivation development through training; influence of organizational climate on motivation; experimental simulation of climates using multi-media techniques. Publ: Co-auth, Motivation and organizational climate, Harvard Bus. Sch, 68; co-auth, Achievement motivation and test anxiety conceived as motives to approach success and avoid failure, J. Abnorm. Soc. Psychol, 60, reprinted, In: Research in personality, Holt, 63 & A theory of achievement motivation, Wiley, 66; auth, Achievement motivation and risk-taking, In: A theory of achievement motivation, Wiley, 66. Address: Organizational Behavior Area, Graduate School of Business Administration, Harvard University, Cambridge, Mass. 02163.
- LIU, DR. ALAN PING-LIN, b. Suchow, China, Jan. 14, 37; m. 61; c. 2. POLITICAL SCIENCE. B.A. Tunghai, 59; M.A. Washington, 63; Ph.D.(polit. sci), Mass. Inst. Tech, 68. Reporter, China Post, Taipei, Taiwan. 61; res. asst. polit. commun. center int. studies, Mass. Inst. Tech, 63-66, res. asst. dept. polit. sci, 66-67; RES. POLIT. SCIENTIST, CENTER CHINESE STUDIES, MICHIGAN, 67- Asn. Asian Studies; Polit. Sci. Asn. Political organization; comparative politics; modernization. Publ: The press and journals in communist China, Center Int. Studies, Mass. Inst. Tech, 6/66; Growth and modernizing function of rural radio in communist China, autumn 64 & Movies and modernization in communist China, summer 66, Journalism Quart. Address: Center for Chinese Studies, University of Michigan, Ann Arbor, Mich. 48104.
- LIU, PROF. BANGNEE ALFRED, b. Shanghai, China, Dec. 18, 01; m. 51; c. 2. DEMOGRAPHY, EDUCATION. B.A. Columbia Union Col, 28; M.A. George Peabody Col, 38; Ph.D.(res. methodology), Columbia, 44. Teaching asst. res. methods in ed, Teachers Col, Columbia, 39-41; res. assoc. cultural rels, China Inst. Am, 41-43; asst. dir. speakers bur, Chinese Govt. Info. Off, N.Y. 43-46, dir. off, Que, 46-47, D.C. 47-48; dep. chief demog. & soc. statist. br, UN Statist. Off, N.Y. 48-50, chief statist. div, UNESCO, France, 50-62; assoc. prof. ED, CITY UNIV. NEW YORK, 63-65, PROF, 65-, ASSOC. DEAN, 68- Ed. Res. Asn; fel. Statist. Asn. Demographic aspects of educational development; applications of research methods in educational and institutional research; planning, programming and budgeting in educational institutions. Publ: World illiteracy at mid-century, UNESCO, France, 57; Estimating future school enrollment in developing countries, UN/UNESCO, N.Y. 66; Population growth and educational development, Ann. Am. Acad. Polit. & Soc. Sci, 1/67. Address: Division of Teacher Education, City University of New York, 535 E. 80th St, New York, N.Y. 10021.
- LIU, DR. ERIC SHEN, Gen. & Oriental Ling, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- LIU, DR. JAMES T(ZU) C(HIEN), Hlst, see 5th ed, Dir. Am. Scholars, Vol. I, Hlst.
- LIU, DR. PHYLLIS Y. H., b. Foochow, China, June 30, 13; U.S. citizen; div; c. 1. CLINICAL PSYCHOLOGY. B.S. Hwa Nan Col, 36; M.A. Mills Col, 38; Ph.D.(psychol), Michigan, 58; cert. clin. psychol, Oregon, 65. From asst. prof. to prof. psychol, various cols. & univs, Mainland China, 39-48; prof. Taiwan Norm. Univ, 48-52; assoc. prof, Elmhurst Col, 55-60; Seattle Pac. Col, 60-63; COUNSELING PSYCHOLOGIST, STUDENT COUNSELING CENTER, CALIFORNIA, LOS ANGELES, 65-, designer voc. & marital counseling courses, univ. exten, 67. Vis. prof, Taiwan, 50-52; Participant clin. prog, Nat. Inst. Ment. Health, 63-65. Psychol. Asn. Clinical practice and research; teaching and training of para-professional; cross-cultural research. Address: 432-1 Veteran Ave, Los Angeles, Calif. 90024.
- LIU, PROF. TA CHUNG, b. Peiping, China, Oct. 27, 14; m. 40; c. 2. ECONOMICS. B.E. Nat. Chiao Tung Univ, China, 36; M.C.E. Cornell, 37, Ph.D. (econ), 40. Res. fel. econ, Brookings Inst, 40-41; asst. commercial counsr, Chinese Embassy, D.C., 41-46; prof. econ, Nat. Tsing Hua Univ, China, 47-49; economist, Int. Monetary Fund, D.C. 49-58; prof. ECON. CORNELL, 58-64, GOLDWIN SMITH PROF, 64-, DIR. PROG. COMP. ECON. DEVELOP, 66- Vis. lectr, Hopkins, 49-58. Consult, Rand Corp, 55- Econ. Asn; Economet. Soc; Statist. Asn. Econometrics; mathematical economics; economic theory; national income studies; economy of China. Publ: Co-auth, Manufacturing production functions, Sch. Indust. & Labor Rels, Cornell, 65; The Chinese economy, Princeton, 65; Quarterly econometric model of U.S., Econometrica, 63. Address: Dept. of Economics, Cornell University, Ithaca, N.Y. 14850.
- LIU, PROF. WILLIAM THOMAS, b. Nanking, China, May 6, 30; nat; m. 55; c. 1. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A. Col. St. Thomas, 51; M.A. Notre Dame, 52; Ph.D. Fla. State, 59. Instr. SOCIOL, Nazareth Col, 53-56; asst. Fla. State, 56-58; instr, Portland, 58-59, asst. prof, 59-61; assoc. prof, NOTRE DAME, 61-66, PROF, 66- Fel. soc. psychol, Chicago, 61-63; vis. prof, San Carlos, Philippines, 67-68; U.S. Agency, Int. Develop, Philippines, 67-69. AAAS; Sociol. Asn; Pop. Asn. Social change and mobility; value changes of religious minority in the past; value variations and change among Chinese in Southeast Asia; fertility and family systems. Publ: Marginal Catholics in the South: a revision of concepts, Am. J. Sociol; Community reference group, religiosity and race attitudes, Soc. Forces; Family interaction pattern among local and refugee families in Hong Kong, J. Marriage & Family, 8/66. Address: Dept. of Sociology, University of Notre Dame, Notre Dame, Ind. 46556.
- LIVELY, PROF. C(HARLES) E(LSON), Sociol, see 10th ed, Soc. & Behav. Vols.
- LIVELY, DEAN EDWIN L, b. Fairmont, W. Va, Aug. 14, 20; m. 40; c. 3. SOCIOLOGY. A.B. Fairmont State Col, 40; M.A. Ohio State, 46, Ph.D.(sociol), 59. Teacher, pub. sch, W. Va, 40-42; prof. sociol, Kent State, 47-63; prof. & head dept, AKRON, 63-68, DEAN GRAD. STUDIES & RES, 68- Swift & Co. summer fel, 63; grants, Esso Ed. Found, 67-70; Ohio Dept. Health, 67-68; Ohio Bd. Regents, 67. U.S.A.A.F. 42-45, Sgt. Sociol. Asn; Nat. Coun. Family Rels. Concept of self and its relevance to family interaction; communication patterns in informal social relations in industry; commitment of participants in complex organizations. Publ: Self concept as a predictor of juvenile delinquency; Rural-urban contrasts in socialization, In: Dynamic urban sociology. Address: Dept. of Sociology, University of Akron, Akron, Ohio 44304.
- LIVERANT, PROF. SHEPARD, Clin. Psychol, see 10th ed, Soc. & Behav. Vols, deceased 62.
- LIVERMORE, PROF. SHAW, b. Wellesley Hills, Mass, Sept. 1, 02; m. 57. ECONOMICS, BUSINESS ADMINISTRATION. A.B. Dartmouth Col, 22; M.B.A. Harvard, 24; Ph.D. Columbia, 39. Assoc. econ, Buffalo, 35-39, prof, 39-45; Cornell, 46-47; dir. res, Dun & Bradstreet, 47-49; mem. European staff, Econ. Coop. Admin, 49-51; Rand Corp, 51-52; mem. staff, Rockefeller Bros, 53-57; dean, COL. BUS. & PUB. ADMIN, ARIZONA, 57-63, PROF. MGT, 63- Vis. prof, American Univ. Beirut, 63-64. Consult, War Prod. Bd, 41-45; Rand Corp, 52-55, 66-; Off. Civil & Defense Mobilization, 52-60; Off. Emergency Planning, 61-63, 66- Econ. Asn. Publ: Early American land companies; Success of industrial mergers; Post-attack resource management, Off. Emergency Planning, 62. Address: College of Business & Public Administration, University of Arizona, Tucson, Ariz. 85710.
- LIVESAY, DR. THAYNE M(ILLER), b. McCune, Kans, Sept. 29, 94; m. 31. PSYCHOLOGY. A.B. Pacific (Ore), 17; A.M. Washington (Seattle), 21, Ph.D. (ed. psychol), 31; Stanford. Prof. ed. & psychol, HAWAII, 24-39, psychol, 39-51, sr. prof, 51-60, EMER. DEAN COL. ARTS & SCI, 60-, dean, 39-51, dir. summer session, 27-39, admissions, 31-39, dean grad. sch, 51-55. U.S.N.R.F. 17-19. Fel. Psychol. Asn. Educational measurement; individual differences. Publ: A study of public education in Hawaii with special reference to the pupil population. Address: 1434 Punahou St, Apt. 1207, Honolulu, Hawaii 96822.
- LIVESAY, VERA T(HOMAS), b. Columbus, Ohio, Dec. 26, 08; m. 38; c. 1. STATISTICS. B.S. Ohio State, 32. Statistician, Ohio State, 36-42; biostatistician, State Dept. Health, Ohio, 46-49; anal. statistician, U.S. PUB. HEALTH SERV, 49-61, SUPVRY. STATISTICIAN, 61- Statist. Asn. Address: 4977 Battery Lane, Apt. 1011, Bethesda, Md. 20014.
- LIVINGOOD, PROF. FRED(ERICK) G(EOURGE), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 66.
- LIVINGSTON, DR. DONALD G(ENE), b. Muskogee, Okla, Mar. 2, 27; m. 47; c. 3. PSYCHOLOGY. A.B. Kansas, 47, M.A. 48, Ph.D.(indust. psychol), 51. Asst. instr. psychol, Kansas, 47-50, instr, 50-51; asst. res. analyst, Prudential Ins. Co. Am, 51-52, res. analyst, 52-58, sr. res. analyst, 58-59; asst. dir. lab. psychol. studies, Stevens Inst. Tech, 59-62; partner, Worth-Edward Labor Mgt. Consults, Inc, 62; consult, Emerson Consult. Ltd, 62-66; MEM. STAFF SELECTION & DEVELOP, CURTISS-WRIGHT CORP, 67- Co-adj. instr, Rutgers, 52-60. Dipl. indust. psychol, Am. Bd. Exam. Prfln. Psychol, 60. U.S.N. 44-46, Med. Serv. C. Res. 46-64, Lt.(jg). Psychol. Asn; fel. Research Soc. Personnel selection; organization behavior and development. Address: 28 Harwich Rd, Morristown, N.J. 07960.
- LIVINGSTON, J(AMES) A(RCHIBALD), JR, b. Macon, Ga, Aug. 8, 18; m. 47; c. 4. ACTUARIAL SCIENCE. A.B. Michigan, 39, M.B.A. 40. Mem. actuarial div, Metrop. Life Ins. Co, 39; actuarial dept, Nat. Life & Accident Ins. Co, 40-44; V.PRES. & CHIEF ACTUARY, LIBERTY NAT. LIFE INS. CO, 44- U.S.N.R. 41. Mem. Int. Cong. Actuaries. Statist. Asn; fel. Soc. Actuaries. Mortality investigations; premium rate construction. Address: 12 Country Club Rd, Birmingham, Ala. 35213.
- LIVINGSTON, PROF. JOHN, b. Chicago, Ill, Apr. 5, 19; m. 53. ECONOMICS. A.B. Ripon Col, 49; univ. fel, Cornell, 50-53, Ph.D.(econ), 54; Earhart Found. fel, 53-54. Assoc. prof. ECON, Butler, 54-55; Coe Col, 55-57; PROF, RIPON COL, 57- Med.C. 41-46, Lt. Econ. Asn; Finance Asn. Monetary and international economics. Address: Dept. of Economics, Ripon College, Ripon, Wis. 54971.
- LIVINGSTON, PROF. JOHN C(ROSS), b. Ogden, Utah, Dec. 1, 18; m. 44; c. 3. POLITICAL SCIENCE. A.B. California, Los Angeles, 40, A.M. 42; Ph.D. Claremont Col, 54. Asst. prof. polit. sci, Denver, 47-54; SACRAMENTO STATE COL, 54-59, assoc. prof, 59-63, PROF. GOVT, 63-, distinguished teaching award, 65-66. Rockefeller res. grant, 55-56. Mem. task force

collective bargaining in higher ed, *Asn. Higher Ed.*, 66-67. *Polit. Sci. Asn. American political theory.* Publ: Co-auth, The consent of the governed, Macmillan, 63. Address: Dept. of Government, Sacramento State College, Sacramento, Calif. 95819.

LIVINGSTON, J(OSEPH) A(RNOLD), b. New York, N.Y., Feb. 10, 05; m. 27; c. 1. *ECONOMICS.* A.B. Michigan, 25. Reporter, Bronx Home News, 25-26; Brooklyn Times, 27-30; daily columnist & exec. ed, N.Y. Daily Investment News, 31-34; pub. utilities ed, Financial World, 34-36; economist, Bus. Week, 36-42; ed, War Progress, War Prod. Bd, 42-45; financial ed, Phila. Record, 46; bus. & econ. columnist, Washington Post, 47-48; financial ed, PHILA. BUL., 48-67, *ECON. COLUMNIST*, 68- Overseas Press Club Fairchild award, 64; Pulitzer prize int. reporting, 65; Hentz award financial journalism, 67; John Hancock award excellence, 67. Fel. Asn. Bus. Econ; Econ. Asn; Statist. Asn; Asn. Adv. Slavic Studies. Economic forecasting. Publ: The American stockholder; Reconversion, the job ahead. Address: 2110 Delancey Place, Philadelphia, Pa. 19103.

LIVINGSTON, DR. J(ULIUS) STERLING, b. Salt Lake City, Utah, June 7, 16; m. 40; c. 4. *BEHAVIORAL SCIENCE, BUSINESS MANAGEMENT.* B.S. Southern California, 38; M.S. Harvard, 40 & D.C.S., 48. Pres. Harbridge House, Inc., 49-63; PROF. BUS. ADMIN, HARVARD, 56-; PRES. STERLING INST., 67- Pres. Mgt. Sys. Corp., 60-65, managing partner, Peat, Marwick, Livingston & Co., 65-67; pres, Logistics Mgt. Inst., 61-62. Mem. distinguished vis. prof. & scholars prog, Southern California, 65. Dir. Nat. Security Indust. Asn, 62. Annual merit award, Armed Forces Mgt. Asn, 62. U.S.N.R., 42-46, Comdr. Mgt. Asn. Defense marketing; sales management; motivation in management; management styles. Publ: Co-auth, Cases in sales management, Irwin, 62; auth, New management elite, J. Armed Forces Mgt. Asn, 61; co-auth, How much will it cost?, Cost Reduction J., 66-67. Address: Sterling Institute, 3750 Prudential Tower, Boston, Mass. 02199.

LIVINGSTON, DR. ROBERT B(URR), Neurophysiol, see 11th ed, Phys. & Biol. Vols.

LIVINGSTON, PROF. ROBERT TEVIOT, Indust. Eng, see 10th ed, Soc. & Behav. Vols, deceased 68.

LIVINGSTON, PROF. WILLIAM S(AMUEL), b. Ironton, Ohio, July 1, 20; m. 43; c. 2. *GOVERNMENT.* B.A. & M.A., Ohio State, 43; Ph.D.(polit. sci), Yale, 50. Asst. prof. GOVT, TEXAS, AUSTIN, 49-54, assoc. prof, 54-61, PROF, 61-, CHMN. DEPT, 66-, asst. dean grad. sch, 54-58. Ford Found. faculty fel, 52-53; vis. lectr, Yale, 55-56; Guggenheim fel, 59-60; vis. prof, Duke, 61. U.S.A., 43-45, Lt. Polit. Sci. Asn. Comparative government; governments of United Kingdom, Commonwealth and Empire; comparative federalism. Publ: Federalism and constitutional change, Clarendon, 56; co-auth, Federalism in the commonwealth, Cassell, 63. Address: Dept. of Government, University of Texas, Austin, Tex. 78712.

LIVINGSTONE, PROF. FRANK B(ROWN), Phys. Anthropol, see 11th ed, Phys. & Biol. Vols.

LIVSON, FLORINE B(ERKOWITZ), b. Los Angeles, Calif, June 9, 25; m. 48; c. 2. *PSYCHOLOGY.* B.A. California, Los Angeles, 45, M.A., Berkeley, 49. Intern clin. psychol, Berkeley State Ment. Hyg. Clin, Calif, 48-49; U.S. Pub. Health Serv. intern, Worcester State Hosp, Mass, 51-52; res. psychologist, Nat. Inst. Ment. Health res. grant, State Dept. Ment. Hyg, Calif, 56-60; CLIN. ASSOC, CALIF. MED. CLIN. PSYCHOTHER, SAN FRANCISCO, 60-Res. psychologist, inst. indust. rels, California, 52-62; external assoc, Tavistock Clin, London, Eng, 62-63. AAAS; Psychol. Asn. Effects of aging on personality development; patterns of adjustment to aging; relationships between family interaction and schizophrenic illness; theory and methods of psychotherapy. Publ: Co-auth, Aging and personality: a study of eighty-seven older men, Wiley, 62; Schizophrenic women: studies in marital crisis, Atherton, 64 & Feasibility of community clinic treatment for state mental hospital patients, Am. Med. Asn. Arch. Neurol. & Psychiat. Address: 8227 Terrace Dr, El Cerrito, Calif. 94530.

LIVSON, DR. NORMAN, b. New York, N.Y., Oct. 3, 24; m. 48; c. 2. *PSYCHOLOGY.* B.S. California, 45, Ph.D.(psychol), 51. RES. PSYCHOLOGIST, Worcester State Hosp, 51-52; CALIFORNIA, BERKELEY, 52-53, INST. HUMAN DEVELOP, 53-; PROF. PSYCHOL. & CHMN. DEPT, CALIF. STATE COL. HAYWARD, 66- Consult, San Francisco State Col, 57- U.S.A., 43-44. Fel. AAAS; fel. Psychol. Asn; Soc. Res. Child Develop. Cognitive development; perceptual aspects of intelligence; developmental and experimental approaches to personality study; determinants of curiosity in early childhood; experimental methodology. Publ: After-effects of prolonged inspection of apparent movement, Am. J. Psychol; co-auth, Dynamic systems, perceptual differentiation and intelligence, J. Personality; Discrimination and reliability in Q-sort personality descriptions, J. Abnorm. Soc. Psychol. Address: Dept. of Psychology, Institute of Human Development, University of California, Berkeley, Calif. 94720.

LLEWELLYN, DR. CHARLES E(LROY), JR, b. Richmond, Va, Jan. 16, 22; m. 48; c. 3. *MEDICINE, PSYCHIATRY.* B.S., Hampden-Sydney Col, 43; M.D. Med. Col. Va, 46; M.Sc., Colorado, 53. Instr. PSYCHIAT, Med. Col. Va, 46-47; assoc, SCH. MED, DUKE, 55-56, asst. prof, 56-63, ASSOC. PROF, 63-, HEAD PSYCHIAT. OUTPATIENT DIV, MED. CENTER, 56-, asst. dir, 55-56. Participant, Nat. Inst. Ment. Health vis. faculty seminars community psychiat, lab. community psychiatrist, Harvard Med. Sch, 65-67; prog. dir. Duke study group, Internat. Forum Educators Community Psychiat, 67-71. Consult, State Bd. Pub. Welfare, N.C., 55- Dipl. Am. Bd. Psychiat. & Neurol, 56. Am. Med. Asn; fel. Psychiat. Asn; Group Psychother. Asn; Pan-Am. Med. Asn; Acad. Relig. & Ment. Health. Community mental health; individual and group psychotherapy. Publ: Co-auth, A state-wide experiment with psychiatric consultations, J. Am. Pub. Welfare Asn, 4/58; auth, Psychotherapy with marriage partners, In: Marriage counseling in medical practice Univ. North Carolina, 64; co-auth, The mental health program in a college health service, Ment. Hyg, 1/84. Address: Dept. of Psychiatry, Duke University Medical Center, Durham, N.C. 27708.

LLOYD, DR. HOWELL CLEVENGER, b. Lima, Ohio, Nov. 10, 37. *GEOGRAPHY.* B.A., Butler, 59; M.A., Northwestern, 61, fel, 62-63, Ph.D.(geog), 64. ASST. PROF. GEOG, MIAMI (OHIO), 63- Asn. Am. Geog. Political and settlement geography in United Kingdom; public urban transportation in Europe; political geography; Western Europe; aerial photo interpretation. Address: Dept. of Geography, Miami University, Oxford, Ohio 45056.

LLOYD, DR. JAMES ARMON, Endocrinol, see 11th ed, Phys. & Biol. Vols.

LLOYD, PROF. JOHN WILLIAM, b. New York, N.Y., Sept. 18, 09; m. 38; c. 2. *ECONOMICS.* Litt.B., Rutgers, 30; M.A., Columbia, 35, Ed.D.(teacher ed, econ), 47. Asst. prof. ECON, NORTHERN ILLINOIS, 47-50, PROF, 50- Full-bright lectr, inst. ed, London, 60-61; vis. prof, center labor & mgt, Univ. Iowa, summer, 67 & 68. Mem. Nat. Coun. Soc. Studies. Econ. Asn. Labor-management relations; public finance and education; education as investment in human capital. Publ: American and British education in cultural perspectives, J. Comp. Ed; Economic growth and investment in education, Economics, 64; Perceptions of students of causes of labor-management conflict, Center Labor & Mgt, Univ. Iowa, 68. Address: Dept. of Economics, Northern Illinois University, DeKalb, Ill. 60115.

LLOYD, PROF. KENNETH E(DWARD), b. Akron, Ohio, June 28, 25; m. 53; c. 2. *PSYCHOLOGY.* B.A., Ohio Wesleyan, 49; M.A., Ohio State, 52, Ph.D. (psychol), 54. Asst. exp. psychol, Ohio State, 52, introductory psychol, 52-54; asst. prof. PSYCHOL, Virginia, 54-59; from asst. prof. to PROF, WASHINGTON STATE, 59- U.S.A.A.F., 43-46. Psychol. Asn. Verbal behavior; problem solving and social behavior. Publ: Retention of responses to stimulus classes and to specific stimuli, co-auth, Short-term retention as a function of the average number of items presented & Short-term retention as a function of average storage load and average load reduction, J. Exp. Psychol. Address: Dept. of Psychology, Washington State University, Pullman, Wash. 99163.

LLOYD, DR. PAUL E(UGENE), Physics, see 11th ed, Phys. & Biol. Vols.

LLOYD, PROF. R. GRANN, b. Nashville, Tenn, Aug. 18, 18; m. 43; c. 1. *ECONOMICS.* B.S., Tenn. Agr. & Indust. State Col, 40; M.A., Columbia, 42; Ph.D., N.Y. Univ, 46. Instr. econ. & soc. sci, Prairie View State Col, 42-43; soc. studies, Elizabeth City State Teachers Col, 43-44; instr, pub. schs, N.Y., 44-46, 48-50, community recreation leader, 45-46, 49-50; prof. econ. & chmn. soc. sci. div, Wiley Col, 46-48; prof. econ, S.C. State Col, 50-52; prof. econ, chmn. dept. & chmn. faculty res. cmt, Savannah State Col, 52-58; PROF. ECON, TENNESSEE STATE, 58-, coordinator grad. studies & res. in soc. studies, 59-60. Ed. res. consult, Nat. Lexicograph. Bd, Ltd; Bd. Ed, Duval County, Fla, 60-61. Managing ed, Negro Ed. Rev, 50- Recorder & del, White House Conf. Children & Youth, 60. Econ. Asn; African Studies Asn. Socioeconomic adjustment; labor economics; money and banking. Publ: Anti-Catholic behavior of a United States senator, Negro Ed. Rev; Admission policy in state-supported higher education, Sch. & Soc; Five challenges for alumni leadership, Am. Alumni Coun. News. Address: Dept. of Economics, Tennessee State University, Nashville, Tenn. 37203.

LLOYD, DR. R(USSELL) DUANE, b. Soda Springs, Idaho, Feb. 11, 30; m. 52; c. 8. *AGRICULTURAL ECONOMICS.* B.S. Idaho, 52; Ph.D.(range mgt), Utah State, 59. Agr. economist, farm econ. res. div, res. serv, U.S. Dept. Agr, 57-61; range economist, bur. land mgt, U.S. Dept. Interior, 61-63, chief range studies br, 63, chief economist, 64-65; ASST. DIR. ECON. MKT. & UTILIZATION, ROCKY MT. FOREST & RANGE EXP. STA, U.S. FOREST SERV, 65- U.S.A., 53-55, Res, 55-57. AAAS; Research Soc; Agr. Econ. Asn. Natural resource economics and policy. Publ: Co-auth, Overhead labor on northern Nevada cattle ranches, Nev. Agr. Exp. Sta, 59; Seeding Utah's ranges—an economic guide, Utah Agr. Exp. Sta, 60; auth, benefit-cost analysis of grassland investments—use and abuse, Int. Grassland Cong, 65. Address: Rocky Mt. Forest & Range Experiment Station, U.S. Forest Service, 240 W. Prospect St, Ft. Collins, Colo. 80521.

LLOYD, DR. SUSANNE P(OCH), b. Milwaukee, Wis, May 29, 22; m. 53; c. 2. *CLINICAL PSYCHOLOGY.* B.A., Wisconsin, 44, M.A., 45; Ph.D.(clin. psychol), Ohio State, 52. Clin. psychologist, Upper Miami Valley Guid. Center, Ohio, 47-48; clin. psychologist & instr, Mich. State, 52-53; vis. clin. psychologist, univ. hosp, Virginia, 55-59; ASST. PROF. CHILD DEVELOP. & FAMILY RELS, WASHINGTON STATE, 59-, LECTR. HIST, 67- Psychol. Asn; Nat. Coun. Family Rels. Personality theory; diagnosis and therapy; family relationships. Publ: Co-auth, Discrimination generalization by macaque monkeys to unidimensional and multidimensional stimuli, J. Comp. Psychol. Address: Dept. of Child & Family Studies, Washington State University, Pullman, Wash. 99163.

LLOYD, PROF. TREVOR, b. London, Eng, May 4, 06; m. 36; c. 2. *GEOGRAPHY.* B.Sc., Bristol, 29, cert, 31, D.Sc.(geog), 49; London, 31; Carnegie fel, Scandinavia, 34; fel, Clark, 38-40, Ph.D.(geog), 40; hon. M.A., Dartmouth Col, 44. Geog. specialist, Winnipeg Sch. Bd, Man, Can, 36-38, 40-41; asst. prof. geog, Carleton Col, 42; Dartmouth Col, 42-44, prof, 44-59, chmn. dept. 47-52; PROF. HUMAN GEOG, MCGILL, 59-, chmn. dept. geog, 62-66. Res. grants, Rockefeller Found, Scandinavia, 47, Carnegie Corp, Scandinavia & Greenland, 51, 53, Greenland, 67, Off. Naval Res, 53-56, Can. Coun, Scandinavia, 60, 67 & Nuffield Found, U.K., 67. Acting consul, Can. Govt, Greenland, 44-45; chief geog. bur, Can. Dept. Mines & Resources, 47-48; proj. officer, Royal Cmn. Govt. Orgn, Can, 61-62. Consult, Nat. Film Bd, Can, 66- Gov. Inst. Current World Affairs, 59-67; mem, Can. Inst. Int. Affairs; chmn. sect. E, AAAS, 66. Can. Centennial medal, 67. Asn. Am. Geog; fel. Am. Geog. Soc; Can. Asn. Geog.(v.pres, 55-57, pres, 58-59); fel. Arctic Inst. N.Am.(ed, Arctic, 47-48); fel. Royal Geog. Soc; cor. mem. Geog. Soc. Finland. Regional geography; geography of Northern lands; geography in education. Publ: Southern lands; Lands of Europe and Asia; A geographer's world. Address: Dept. of Geography, McGill University, Montreal 2, Que, Can.

LLOYD, PROF. VAN VOORHEES, b. Glen Ridge, N.J., Apr. 3, 21; m. 53. *PSYCHOLOGY.* A.B., Dartmouth Col, 43; Ph.D.(psychol), Columbia, 51. Instr. psychol, Amherst Col, 47-48; instr. & res. assoc, Princeton, 48-51;

civilian res. psychologist, med. res. lab, U.S. Naval Submarine Base, Groton, Conn, 51-52; asst. prof. PSYCHOL, Skidmore Col, 52-56, assoc. prof, 56-61; Randolph-Macon Woman's Col, 62-66; vis. lectr, Queens (Bel-fast), 66-67; VIS. PROF, GOUGHER COL, 67- Vis. lectr, Melbourne, Australia, 59. U.S.N. 43-44. AAAS; Psychol. Asn; Psychonomic Soc. Behavior theory and visual perception and sensation. Publ: Co-auth, Stereoscopic acuity for various levels of illumination, Proc. Nat. Acad. Sci; Factors influencing thresholds for monocular movement parallax, J. Exp. Psychol; auth, Comparison of critical fusion frequencies for different areas in the fovea and periphery, Am. J. Psychol. Address: Dept. of Psychology, Goucher College, Towson, Md. 21204.

LLOYD-JONES, PROF. ESTHER McDONALD, b. Lockport, Ill, Jan. 11, 01; m. 24; c. 2. PSYCHOLOGY, SOCIOLOGY. A.B. Northwestern, 23; fel. Columbia, 23-24, M.A., 24, Ph.D.(ed. psychol), 29; LL.D, Elmira Col, 55; D.Sc.Ed, Boston, 61; D.H.L, Long Island, 63; LL.D, Bridgeport, 66. Asst. dir. personnel, Northwestern, 24-26; researcher, Am. Coun. Ed, 29-30; asst. prof. ED, TEACHERS COL, COLUMBIA, 31-37, assoc. prof, 37-41, PROF, 41-, head guid. lab, 33-59, head dept. guid. & student personnel admin, 55-66. Vis. prof, California Western, 67. Consult. to Secy. War & Rep. to Dir. Hobby, 42. Mem. Defense Adv. Cmt. Women in Serv, 51-54; chmn. cmn. ed. women, Am. Coun. Ed, 53-57, consult. higher ed. & student personnel work, 66-; fel. Nat. Coun. Relig. Higher Ed. Northwestern award, 45; woman of year, Dickenson Col, 56, Texas Southern, 60; Arizona award, 60; Nat. Asn. Student Personnel Adminstr. award, 66. Psychol. Asn; Personnel & Guid. Asn.(secy-treas, 38-39, Wimmer award, 66); fel. Int. Coun. Psychol. Human relations; guidance; impact of social change on lives of women; education. Publ: Orientacao educacional; co-auth, The American student and his college, Houghton, 67 & Social-cultural foundations of guidance-personnel work, Holt, 68. Address: 430 W. 116th St, New York, N.Y. 10027.

LOBB, DR. HAROLD OLIVER, b. Stoughton, Sask, Sept. 1, 20; m. 41; c. 3. PSYCHOLOGY. B.A. & B.Ed. Saskatchewan, 48, M.Ed, 50; Ph.D.(psychol), Toronto, 63. Teacher psychologist, Sask. Dept. Pub. Health, 50-52, 54-56; exec. dir, Can. Ment. Health Assn, 52-54; Ont. Asn. Retarded Children, 56-59; lectr. PSYCHOL, WESTERN ONTARIO, 62-63, asst. prof, 63-66, ASSOC. PROF, 66- Res. consult, Children's Psychiat. Res. Inst, 62- Can. Army, 43-46, Capt. Am. Psychol. Asn; Am. Asn. Ment. Deficiency; Can. Psychol. Asn. Mental deficiency; learning theories. Publ: Vision vs. touch in form discrimination, Can. J. Psychol, 9/65; co-auth, Discrimination learning in retarded children, Am. J. Ment. Deficiency, 1/67 & Intertrial reinforcement as interference with consolidation, Psychonomic Sci, 9/67. Address: Dept. of Psychology, University of Western Ontario, London, Ont, Can.

LOBB, PROF. JOHN, b. Oshkosh, Wis, Sept. 17, 05. SOCIOLOGY. A.B. Yale, 30, Ph.D. 34. From instr. to prof. anthrop. & social, MT. HOLYOKE COL, 34-58, MARY LYON PROF. ECON. & SOCIOL, 58- U.S. State Dept. grant & lectr. Am. studies, Witwatersrand, 67-68. Dir, Holyoke Soc. Serv. Agencies & Hosp. AAAS; Sociol. Asn; Anthropol. Asn; Soc. Appl. Anthropol; African Studies Asn. Racial, class and acculturation studies; cultural relations in Haiti and Africa; family relations in the United States. Publ: Caste and class in Haiti, Am. J. Sociol; Frontier adjustment in South Africa, In: Studies in the science of society. Address: Mt. Holyoke College, South Hadley, Mass. 01075.

LO BELLO, DR. JOYCE P(ARR), b. Lake City, Iowa, Mar. 30, 36; m. 58; c. 1. PSYCHOLOGY. B.A. William Jewell Col, 58; Ph.D.(psychol), Ohio State, 62. Asst. prof. PSYCHOL, ALDERSON-BROADDUS COL, 62-67, ASSOC. PROF, 67- Nat. Sci. Found. res. for col. teachers summer grant, 67 & Acad. Year Exten. grant, 67-69. Counseling psychologist, Vet. Admin. Hosp, Clarksburg, W.Va, 66- AAAS; Psychol. Asn. Organizational behavior; interpersonal interaction in counseling; cardiovascular correlates of perceptual behavior. Address: Dept. of Psychology, Alderson-Broadbudd College, Box 487, Philippi, W.Va. 26416.

LOCKARD, D(ERWOOD) W(ARNER), b. Denison, Iowa, Sept. 6, 06; m. 37. ANTHROPOLOGY. Ph.B, Chicago, 28; A.M, Harvard, 37. Staff Mem, Univ. Chicago Oriental Inst. Archaeol. Exped, Turkey, 29-30; staff mem. & asst. dir, Univ. Pennsylvania Mus. Archaeol. Exped, Iraq & Iran, 31-33; anthropometrist, Harvard Anthropomet. Lab, Chicago World's Fair, 33-34; Harvard res. fel. Am. Sch. Prehist. Res, France, 37; assoc. dir, Harvard Univ. Peabody Mus. Near East. Archaeol. Exped, 38-39; with U.S. Govt, 46-54; LECTR. ANTHROP. RES. FEL. MID. EAST ETHNOG. & ASSOC. DIR, CENTER MID. EAST. STUDIES, HARVARD, 54- Consult, U.S. Dept. State; Off. Ed. Mem. fel. bd, Center Arabic Studies Abroad; exec. cmt. & chmn. fel. cmt. Am. Res. Center Egypt. U.S.N. 40-46, Lt. Comdr. Fel. Anthropol. Asn; Mid. East Inst. Near eastern archeology; modern Middle East, social anthropology. Address: Center for Middle Eastern Studies, Harvard University, 1737 Cambridge St, Cambridge, Mass. 02138.

LOCKARD, DR. JOAN S(ALIBA), Animal Behavior, Exp. Psychol, see 11th ed, Phys. & Biol. Vols.

LOCKARD, DR. ROBERT BRUCE, b. Long Beach, Calif, July 6, 31; m. 59; c. 2. ANIMAL BEHAVIOR, PSYCHOLOGY. B.A. California, Santa Barbara, 55; Nat. Sci. Found. fel, Wisconsin, 60-62, M.A. 61, Ph.D.(psychol), 62. Asst. prof. PSYCHOL, WASHINGTON (SEATTLE), 62-65, ASSOC. PROF, 65- Nat. Insts. Health res. grants, 62-69; Nat. Sci. Found. res. grants, 64-68. U.S.N. 48-52. Animal Behavior Soc; Psychol. Asn; Psychonomic Soc. Animal behavior, especially animal motivation and preference; comparative psychology. Address: Dept. of Psychology, University of Washington, Seattle, Wash. 98105.

LOCKARD, PROF. W(ALTER) DUANE, b. W.Va, Nov. 26, 21; m. 42; c. 3. POLITICAL SCIENCE. Ph.D.(polit. sci), Yale, 52. Instr. Wesleyan, 50-51; asst. prof. polit. sci, Connecticut Col, 51-61; assoc. prof, PRINCETON, 61-64, PROF. POLIT, 64- Ford Found. fel, 54-55. U.S.A.A.F, 42-46, Capt. Politics; state and local government. Publ: New England state politics, Princeton, 59; The politics of state and local government, 64 & Toward equal opportunity, 68, Macmillan. Address: Dept. of Politics, Princeton University, Princeton, N.J. 08540.

LOCKE, BEN Z(ION), b. New York, N.Y, Sept. 8, 21; m. 47; c. 4. STATISTICS. B.A. Brooklyn Col, 47; M.S.P.H, Columbia, 49. Sr. biostatistician, State Dept. Health, N.Y, 50-56; chief consult. sect, biomet. br, Nat. Inst. Ment. Health, 56-66; assoc. prof. psychiat, Temple, 66-67; ASST. CHIEF CENTER EPIDEMIOLOG. STUDIES, NAT. INST. MENT. HEALTH, 67- U.S.A. 42-46. AAAS; Statist. Asn; fel. Pub. Health Asn. Mental and public health; epidemiology. Publ: Migration and mental illness, Eugenics Quart, 12/64; Psychiatric need and demand in a prepaid group practice program, J. Pub. Health, 6/66; Emotionally disturbed patients under care of private non-psychiatric physicians, In: Psychiatric epidemiology and mental health planning, Psychiat. Res. Report, Am. Psychiat. Asn, 4/67. Address: National Institute of Mental Health, 5454 Wisconsin Ave, Chevy Chase, Md. 20203.

LOCKE, PROF. BERNARD, b. New York, N.Y, July 25, 13; m. 35; c. 2. PSYCHOLOGY. Sc.B, N.Y. Univ, 33, Ph.D.(psychol), 41. Chief psychologist, Cancer & Neurol. Hosps, Welfare Island, N.Y, 35-36; psychologist, Kings County Hosp, Brooklyn, N.Y, 36-38; ment. hyg. consult, Bd. Child Welfare, N.Y, 38; chief psychologist, Clinton Prison, Dannemora, N.Y, 38, 39-42; chief psychologist, Vet. Admin. 46-65; PROF. PSYCHOL. & DEAN STUDENTS, JOHN JAY COL, CITY UNIV. NEW YORK, 65- Lectr, Hunter Col, 46-63; asst. clin. prof, post-grad. med. sch, N.Y. Univ, 46-67; lectr, City Col. New York, 57-63; Columbia, 59-66. Consult, Vet. Admin, 65-; Gov. Cmt. Crime, 67- U.S.N.R, 42-46, Cmdr. Psychol. Asn; Acad. Polit. & Soc. Sci. Clinical research primarily criminal behavior and police personality. Publ: Psychology of the laryngectomee, Mil. Med, 7/66; co-auth, Authoritarianism in college and non college oriented police, J. Criminal Law, Criminol. & Police Sci, 67. Address: Dept. of Psychology, John Jay College of Criminal Justice, City University of New York, New York, N.Y. 10010.

LOCKE, DR. BILL J, b. Erick, Okla, Feb. 5, 36; m. 57; c. 2. PSYCHOLOGY. B.A. Oklahoma, 59; M.S. Okla. State, 60. Nat. Inst. Ment. Health fel, 59-62, Ph.D.(psychol, verbal conditioning), 62. Nat. Inst. Neurol. Disease & Blindness grant, bur. child res, KANSAS, 62-63, field dir, Parsons Res. Center & bur. child res, 63-64, coordinator, bur. child res, 64-66, RES. ASSOC. MENT. RETARDATION, PARSONS RES. CENTER & BUR. CHILD RES, 66- Lectr, Texas Women's Univ, 62- Eval. consult, Labette County Ed. Improvement Center, Kans, 68- Psychol. Asn; Asn. Ment. Deficiency. Mental retardation; learning; behavior modification; verbal behavior; small group behavior. Publ: Co-auth, Spontaneous recovery, Transactions of the Kans. Acad. Sci, 58; auth, Stimulus exposure rate in verbal conditioning, Psychol. Reports, 66; Verbal conditioning with retarded subjects: establishment and reinstatement of effective reinforcing consequences, Am. J. Ment. Deficiency, 68. Address: Parsons Research Project, Parsons, Kans. 67357.

LOCKE, DR. EDWIN ALLEN, b. New York, N.Y, May 15, 38; m. 68. PSYCHOLOGY. B.A. Harvard, 60; M.A. Cornell, 62, Ph.D.(psychol), 64. Assoc. res. scientist, AM. INSTS. RES, 64-66, RES. SCIENTIST, 66- ASST. PROF. PSYCHOL, MARYLAND, 67- Psychol. Asn. Conscious determinants of motivation; attitudes; philosophy of science. Publ: The relationship of success and expectation to affect on goal seeking tasks, J. Personality & Soc. Psychol, 67; Toward a theory of task motivation and incentives, Orgn. Behav. & Human Performance, 68. Address: 11200 Lockwood Dr, Apt. 1415 Silver Spring, Md. 20901.

LOCKE, PROF. HARVEY J(AMES), b. July 23, 00. SOCIOLOGY. B.S. Linfield Col, 23; Ph.D, Chicago, 30. Prof. SOCIOL, Moorhead State Col, 29-33; instr, Chicago, 34-36; asst. prof, Indiana, 36-45; assoc. prof, SOUTHERN CALIFORNIA, 45-52, PROF, 52- Vis. prof, Uppsala, 50-51. Sociol. Asn; Sociol. Res. Asn. Changing American family; socialization of children; methods of research. Publ: Twenty thousand homeless men; The family: from institution to companionship; Predicting adjustment in marriage: a comparison of a divorced and happily married group. Address: 975 Calie Angosta, Thousand Oaks, Calif. 91360.

LOCKE, DR. NORMAN, b. New York, N.Y, July 20, 08; m. 34; c. 1. PSYCHOLOGY. B.S, City Col. New York, 33; A.M, Columbia, 34, Ph.D.(psychol), 35. Reader psychol, City Col. New York, 34-36; instr, Hunter Col, 36-44; personnel consult, Soc. Security Admin, D.C, 41-48; personnel rep. & dep. fair employ. officer, Fed. Security Agency, 48-52; psychotherapist, Bleuler Psychother. Group, 52-54; demonstration psychotherapist, Jewish Family Serv, 53-54; private practice, 50-65; CHIEF standards br, DEPT. HEALTH ED. & WELFARE, 65-67, FIELD OPERS. DIV, 67- Lab. asst, Columbia, 34-36; instr. eve. div, Hunter Col, 36-38; mem. faculty, Wash. Sch. Psychiat, 65- Exam. consult, Am. Pub. Health Asn; classification consult, YWCA; spec. consult, Pa. Inst. Alcoholism & Drug Addiction; consult, New York Community Ment. Health Bd. Mem. bd, U.S. Civil Serv. Exams. AAAS; Psychol. Asn; fel. Group Psychother. Asn.(exec. secy, 54); Inter-Am. Soc. Psychol. Psychoanalysis; group psychotherapy and psychoanalysis. Publ: Bibliography on group psychotherapy; Psychosexual development of ancient cultures; Psychoanalysis of groups, Int. J. Group Psychother. Address: 151 North Carolina Ave, S.E, Washington, D.C. 20003.

LOCKHART, DR. RUSSELL ARTHUR, b. Los Angeles, Calif, Nov. 27, 38; m. 60; c. 2. PSYCHOLOGY. B.A. Southern California, 60, fel, 60-63, M.A. 62, Ph.D.(psychol), 65. Res. asst. PSYCHOL, Southern California, 60-63; instr, Pasadena City Col, 63-64; ASST. PROF. CALIFORNIA, SANTA BARBARA, 64- Univ. California res. grant, 64-66; U.S. Pub. Health Serv. res. grants, 65, 66-68. AAAS; Psychol. Asn; Psychonomic Soc; Soc. Psychophysiol. Res; Pavlovian Soc. N.Am. Role of conditioning in the development of cognitive and emotional behavior; psychophysiology; comparative psychology of learning. Publ: Comments on multiple response phenomena in long interstimulus interval conditioning, Psychophysiology, 66; Temporal conditioning of GSR, J. Exp. Psychol, 66; Recent developments in the classical conditioning of autonomic responses, Int. J. Psychiat. Monogr, 68. Address: Dept. of Psychology, University of California, Santa Barbara, Calif. 93106.

LOCKHEAD, DR. GREGORY R(OGER), b. Boston, Mass, Aug. 8, 31; m. 58; c. 3. PSYCHOLOGY. B.S. Tufts, 58; Nat. Inst. Ment. Health fel, Hopkins, 61-65, Ph.D.(psychol), 65. Res. staff mem. PSYCHOL, Int. Bus. Mach. Corp, 58-61; ASST. PROF, DUKE, 65- Nat. Inst. Ment. Health res. grant, 65-66; Nat. Sci. Found. res. grant, 66- Consult, Int. Bus. Mach. Corp, 66- U.S.N. 51-55. Psychol. Asn; Psychonomic Soc. Perception, cognition and

human information handling, especially how the human organism perceives and codes information and memorial processes and multidimensional discrimination spaces. Address: Dept. of Psychology, Duke University, Durham, N.C. 27706.

LOCKLEY, PROF. LAWRENCE C (AMPBELL), b. Salem, Ore, Nov. 21, 99. MARKETING. A.B. California, 20, A.M. 21; A.M. Harvard, 26, Ph.D. 31. Assoc. Eng. California, Los Angeles, 21-27; asst. bus. sch. Harvard, 29-30; asst. prof. bus. admin. Temple, 30-31, prof. mkt. & head dept. 31-35; mkt. analyst, div. commercial res. Curtis Pub. Co. 35-42; mgr. mkt. res. div. E.I. du Pont de Nemours & Co. 42-46; prof. retailing & dir. res. sch. retailing, N.Y. Univ. 46-49, prof. mkt. grad. sch. bus. admin. 49-51; dean sch. commerce, Southern California, 51-59; vis. prof. mkt. grad. sch. bus. Columbia, 59-60; PROF. BUS. ADMIN. SCH. BUS. SANTA CLARA, 60- Chief census serv. indust. U.S. Bur Census, 35. Vis. prof. adv. mgt. prog. Emory, 61-64, 67. Consult. Rand Corp. 54-67; Int. Coop. Admin. 55- Mem. panel arbitrators, Fed. Mediation & Conciliation Serv. 53- Mkt. Asn: Econ. Asn; Statist. Asn; Arbit. Asn; Acad. Advertising. Marketing research and theory; economics. Publ: Monthly economic letter, Univ. Santa Clara, 52-; co-auth. Readings in marketing, 63, revision, 68 & Theory in marketing, 64, Irwin. Address: School of Business, University of Santa Clara, Santa Clara, Calif. 95126.

LOCKLIN, PROF. D (AVID) PHILIP, b. Richford, Vt, Mar. 1, 97; m. 24; c. 2. ECONOMICS. A.B. Middlebury Col, 20; A.M. Harvard, 22; Ph.D. Illinois, 26. Instr. ECON. ILLINOIS, URBANA, 22-26, assoc. 26-27, asst. prof. 27-35, assoc. prof. 35-41, prof. 41-65, EMER. PROF. 65- Prin. transportation economist, Interstate Commerce Cmn, 35; spec. expert, U.S. Maritime Cmn, 38; dir. interterritorial freight rate studies, Bd. Transportation Invest. & Res. 42-43; vis. prof. California, 52-53; mem. transport planning group, Govt. Argentina, 60-61; vis. prof. Florida, 65-67. Consult. Nat. Resources Cmt, 36; Nat. Resources Planning Bd, 39-41; Prov. Alta. Can, 48-49; Union of Burma, 54. Econ. Asn; Finance Asn. Economics of transportation; regulation of security issues by the interstate commerce commission; railroad regulation since 1920. Address: 1106 S. Garfield St, Urbana, Ill. 61801.

LOCKMAN, DR. ROBERT F (RANK), b. Tonawanda, N.Y. Jan. 2, 29; m. 53; c. 1. PSYCHOLOGY. B.A. Syracuse, 50; fel. Minnesota, 50-52, M.A. 51, Ph.D. (psychol.) 54. Res. psychologist, personnel anal. div. Bur. Naval Personnel, 55-56; personnel res. br. adj. gen. off. U.S. Dept. Army, 56-57; U.S. Dept. Defense, 57-61; admin. officer, manpower resources, Am. Psychol. Asn, 62-64, dir. manpower proj. 64-66; RES. PSYCHOLOGIST, CENTER NAVAL ANAL, 66- U.S.N.R. 53-55, Lt. Psychol. Asn. Personnel measurement and evaluation; criterion research and development; personnel and industrial psychology. Publ: Some relationships between the MMPI and a problem check list, J. Appl. Psychol. 8/54; Survey of civilian psychologists in the Federal government, 2/64 & An empirical description of the subfields of psychology, 8/64, Am. Psychologist. Address: 11801 Greenleaf Ave, Rockville, Md. 20854.

LOCKNER, DR. ALLYN OLSON, b. Wessington, S.Dak, Feb. 11, 31. ECONOMICS. B.A. Huron Col, 54; M.A. South Dakota, 55; fels. Colorado, 57-59, Ph.D. 60. Asst. econ. Colorado, 56-58; res. assoc. Wyo. Legis. Coun. 59-61, dir. res. govt. probs. 61-63; economist, U.S. Bur. Census, 63-65, chief taxation br, 65; asst. prof. ECON. S.DAK. STATE, 65-66, ASSOC. PROF. 66- Econ. Asn. General microeconomics and macroeconomics; public finance, especially state and local finance. Publ: Public school finance in Wyoming; Property taxation in Wyoming; The economic effect of the severance tax on decisions of the mining firm, Nat. Resources J, 1/65. Address: Dept. of Economics, South Dakota State University, Brookings, S.Dak. 57006.

LOCKRIDGE, DR. KENNETH A (LAN), Early Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LOCKS, DR. MITCHELL O, b. Chicago, Ill, Feb. 13, 22; m. 43; c. 1. SYSTEM INTEGRATION & ENGINEERING. A.B. Cent. Y.M.C.A. Col, 42; A.M. Chicago, 49, Ph.D. (econ), 53. Lectr. bus. & econ. Duluth Br, Minnesota, 49-52; assoc. prof. bus. statist. Oklahoma, 52-55; statistician, Remington Rand Univac, 55-59; assoc. prof. California, Los Angeles, 59-61; SR. TECH. SPECIALIST, ROCKETDYNE DIV. & SPACE DIV. N.A.M. ROCKWELL CORP, 61- Consult. med. res. activities & ed. appln. of computers, Karcher Indust. U.S.A. 59-68. Statist. Asn; Economet. Soc. Bayesian decision theory; statistical applications of electronic computers; sampling studies; exact techniques for reliability analysis; system engineering studies using Monte Carlo; launch vehicle mass estimation techniques; interface of computer science and statistics. Publ: Exact minimal-path and minimal-cut techniques for estimating system reliability, Space Div, 66, co-auth. New tables of the noncentral-t, 63 & auth. A Bayesian approach to optimum reliability growth, 64, Rocketdyne Div, N.A.M. Aviation Co. Address: Space Division, North American Rockwell Corp, 12200 Lakewood Blvd, Downey, Calif. 90241.

LOCKWOOD, HOWARD C (ORNELIUS), b. Nashville, Tenn, July 1, 21; m. 51; c. 3. INDUSTRIAL PSYCHOLOGY. B.A. Occidental Col, 50, M.A. 51. Testing res. specialist, Calif. div. Lockheed Aircraft Corp, 51-56, supvr. personnel testing & res, 56-57, supvr. mgt. selection, testing & res, 57-62, mgr. mgt. personnel dept, 62-63; admin. coordinator, President's Cmt. Equal Employment Opportunity, 63-64; CORP. PERSONNEL & MGT. DEVELOP. SPECIALIST, LOCKHEED AIRCRAFT CORP, 64-, ADMINSTR. LEADERSHIP FUND, 65- Chmn. tech. adv. cmt. on testing, Calif. Fair Employ. Practices Cmn, 65-67. Psychol. Asn. Personnel selection and development; employee motivation and morale; minority employment. Publ: Testing minority applicants for employment, Personnel J, 65; Critical problems in achieving equal employment opportunity, Personnel Psychol, 66; Developing fair employment programs: I. Guidelines for selection, Personnel, 66. Address: 11370 Ruggiero Ave, Lake View Terrace, Calif. 91342.

LOCKWOOD, DR. MAREN, b. Stretford, Eng. SOCIOLOGY. B.Sc. London, 55; M.A. Maryland, 57; Whitney fel. Radcliffe Col, summer 61; Ph.D. (sociol.) Harvard, 63. Asst. prof. SOCIOLOGY, State Univ. N.Y. Buffalo, 63-66; ASSOC. PROF., BOSTON, 66- Am. Philos. Soc. Award, 63. Sociol. Asn; Soc. Sci.

Study Relig. Social reform movements; sociology of religion; social psychology. Publ: The Oneida community, Johns Hopkins, 69; Experimental communities in America, Daedalus, 65. Address: Dept. of Sociology & Anthropology, Boston University College of Liberal Arts, 232 Bay State Rd, Boston, Mass. 02215.

LOCKWOOD, DR. WALLACE V (ICTOR), b. Los Angeles, Calif, Mar. 22, 15; m. 37; c. 3. PSYCHOLOGY. Ph.D. (psychol.) California, Los Angeles, 50. Chief clin. psychologist, Vet. Admin. Ment. Clin. San Diego, Calif, 50-56; PSYCHOLOGIST, PSYCHOL. ASSOCS, 56- Dipl. Am. Bd. Exam. Prfnl. Psychol; Am. Bd. Exam. Psychol. Hypnosis. U.S.N., 43-46, Lt. Fel. Psychol. Asn. Personality theory; individual and group psychotherapy. Address: Psychology Associates, 327 Laurel St, San Diego, Calif. 92101.

LOCKWOOD, PROF. W (ILLIAM) W (IRT), b. Shanghai, China, Feb. 24, 06; m. 34; c. 3. INTERNATIONAL AFFAIRS. A.B. DePauw, 27; M.A. Harvard, 29, Ph.D. (econ), 50. From Instr. to asst. prof. Bowdoin Col, 29-34; res. & exec. secy. Am. Council, Inst. Pacific Relations, 35-40, 41-43; secy. Am. Cmt. Int. Studies, 40-41; asst. dir. WOODROW WILSON SCH. PUB. & INT. AFFAIRS, PRINCETON, 46-57, assoc. prof. POLIT. & INT. AFFAIRS, 49-55, PROF, 55- Asst. chief Far East. Div. res. & anal. br. Off. Strategic Servs, 43; Div. Japanese & Korean Econ. Affairs, U.S. Dept. State, 46; Ford Found. fel. 56-57; Fulbright res. scholar, Japan, 61-62; McCosh faculty fel. 65-66. Consult. Ford Found, 53-55. Trustee, Am. Inst. Pac. Rel, 47-61; Princeton-in-Asia, 47-; mem. E. Asia Adv. Panel, Dept. State, 67-; Southeast Asia Develop. Adv. Group, 67-; Am. Cmt. U.S.-Japan Ed. & Cultural Coop. Coun. For. Rels 67- U.S.A., 44-46, Maj. Polit. Sci. Asn; Econ. Asn; Asn. Asian Studies. Economics and politics of modern Asia. Publ: The economic development of Japan; ed. The state and economic enterprise in Japan, Princeton, 65. Address: Woodrow Wilson School of Public & International Affairs, Princeton, N.J. 08540.

LOCKYER, DR. CHARLES R (OLLAND), Econ, see 10th ed, Soc. & Behav. Vols.

LODAHL, PROF. THOMAS MARTIN, b. Barron County, Wis, July 18, 31; m. 54; c. 2. INDUSTRIAL & SOCIAL PSYCHOLOGY. B.A. Wisconsin, 55; Ph.D. California, 58. Asst. prof. indust. mgt. Mass. Inst. Tech, 58-62; ASSOC. PROF. ADMIN. CORNELL, 62- ED. ADMIN. SCI. QUART, 64- U.S.A., 49-52. Psychol. Asn. Group behavior; psychology of industrial change; creativity; motivation in work. Publ: Co-auth. Purchasing behavior and personal attributes, Univ. Pennsylvania Press, 68; auth. Definition and measurement of job involvement, J. Appl. Psychol. Address: Cornell University, Graduate School of Business & Public Administration, Ithaca, N.Y. 14850.

LODATO, DR. FRANCIS JOSEPH, b. Brooklyn, N.Y., May 27, 26; m. 57; c. 2. PSYCHOLOGY. B.A. St. John's (N.Y.), 46, M.S. 50, Ph.D. 55; M.A. Fordham, 51; Yeshiva, 60-61; Chicago, 61. Lectr. psychol. Seton Hall, 47-49; assoc. prof. ed. & psychol. Col. of Mt. St. Vincent, 49-60; sch. psychologist, Bedford Pub. Schs, 60-63; dir. eve. div. MANHATTAN COL; 63-65, PROF. COUNSELING PSYCHOL, 65-, prof. & adj. assoc. 56-60. Prof. lectr. St. John's (N.Y.), 56-61; N.Y. State grant & prin. investr. Dept. Ed-Independent Study Academically Able, 64-68. Consult. Immaculate Heart of Mary Sch, N.Y. 57-60; ed consult, Youth Inst, 61-63. Fel. Seminars Hypnosis Found, 59- Psychol. Asn. Group counseling of students with adjustment problems; research-measuring innovation. Address: Rocky Ridge, Bedford, N.Y. 10506.

LODGE, DR. ANN, b. Cleveland, Ohio, July 22, 31. PSYCHOLOGY. A.B. Wilkes Col, 55; U.S. Pub. Health Serv. grant, 56-59; Ph.D. Duke, 60. Trainee clin. psychol. Vet. Admin. Hosp. Richmond, Va, 56; intern med. psychol. med. center, Duke, 57-58, asst. visual perception, 58-59; staff psychologist, Durham Child Guid. Center, N.C. 59-60; res. fel. neuropsychol. sect. neuropsychol. lab. psychol. Nat. Inst. Ment. Health, 60-63; RES. ASSOC. PSYCHOL, Wash. Sch. Psychiat. & Walter Reed Army Inst. Res, 63-65; CHILDREN'S HOSP. RES. FOUND, 65- AAAS; Psychol. Asn; Int. Neuropsychol. Soc; N.Y. Acad. Sci. Neuropsychological and behavioral aspects of the early development of perceptual and cognitive process in humans. Publ: Co-auth. Visual field impairment in brain damage: cross-validation and reliability of a method of flicker perimetry, Arch. Ophthalmol, 63: 1009-1015 & Electroretinograms in newborn human infants, Science, 148: 651-654; auth. Effects of facilitating, neutral and inhibiting instruction on visual perception following brain damage, Acta Psychologica, 25: 173-198. Address: 6512 Colchester Rd, Clifton, Va. 22024.

LODGE, DR. GEORGE TOWNSEND, b. Kent, Ohio, Nov. 2, 07; m. 29; c. 2. PSYCHOLOGY. B.A. Oberlin Col, 29; M.A. Ohio State, 31; fel. & Ph.D. (psychol.), Western Reserve, 40. Res. assoc. psychol. Associated Foundns, med. sch. Western Reserve, 36-38; psychologist, Criminal Courts Psychiat. Clin. Cleveland, Ohio, 38-41; chief clin. psychologist, Vet. Admin. Ment. Hyg. Clin. San Francisco, Calif, 46-49; Letterman Army Hosp, 49-51; Vet. Admin. Hosp. Lebanon, Pa, 51-53, Durham, N.C. 53-57, Vet. Admin. Ment. Hyg. Clin. Roanoke, Va, 57-60; head behav. sci. div. U.S. Naval Aviation Safety Center, 60-67; PROF. PSYCHOL, OLD DOMINION COL, 67- Assoc. prof. Duke, 53-57. Consult. sci. adv. team, Comdr. Antisubmarine Warfare Force, U.S. Atlantic Fleet, 66- Dipl. Am. Bd. Exam. Prfnl. Psychol, 48. U.S.N.R. 41-46, Comdr. Fel. AAAS; fel. Psychol. Asn. Language behavior; personality theory; human factors in aviation accident prevention; man-machine coactions. Publ: Method for the dynamic representation of personality data, J. Proj. Tech; co-auth. Scientists and sanity, Gen. Semantics Bull; auth. Pilot stature in relation to cockpit size: a hidden factor in Navy jet aircraft accidents, Am. Psychologist, 63. Address: Dept. of Psychology, Old Dominion College, Norfolk, Va. 23508.

LODGE, DR. MILTON G (EORGE), b. Brooklyn, N.Y., Oct. 17, 36; m. 60; c. 1. POLITICAL SCIENCE. B.A. N.Y. Univ, 60, M.A. 62; Russian Center fel. Michigan, 66, Ph.D. (polit. sci.), 67. Instr. SOVIET POLIT, Michigan, summer, 65; IOWA, 66-67, ASST. PROF. 67- U.S.A. 54-56. Polit. Sci. Asn; Asn. Advance. Slavic Studies. Soviet politics; comparative politics. Publ: Soviet groups in the post-Stalin period, Midwest J. Polit. Sci, 8/68; Soviet elite participatory attitudes in the post-Stalin era, Am. Polit. Sci. Rev, 9/68.

Address: Dept. of Political Science, 327B Schaeffer Hall, University of Iowa, Iowa City, Iowa 52240.

- LOEB, DR. ARMIN, b. Rastatt, Germany, June 16, 30; nat. PSYCHOLOGY. B.A. Rochester, 54; M.A. Pennsylvania, 56, Ph.D. 61. Soc. psychol. trainee, Vet. Admin. Hosp. Coatesville, Pa. 60-61; instr. psychiat. sch. med. Pennsylvania, 61; RES. DIR. HORIZON HOUSE, 62- Psychol. Asn. Motivation of chronic schizophrenics; psychology of depression; psychiatric rehabilitation; community mental health. Publ: Co-auth, Some effects of reward upon the social perception and motivation of psychiatric patients varying in depression, *J. Abnorm. & Soc. Psychol.* 6/64; auth, Goals and problems of psychiatric rehabilitation research, *Rehab. Record*, 11/64; co-auth, The need for experimental research on work behavior and attitudes of schizophrenics, *Ment. Hyg.* 1/68. Address: 718 B Addison St, Philadelphia, Pa. 19147.
- LOEB, DOROTHY G(RACE), b. Toronto, Ont, June 3, 10; nat; m. 38; c. 4. PSYCHOLOGY. B.A. Toronto, 35, M.A. 37; fel. Illinois, 37-38; Chicago, 38-41. Clin. & res. psychologist, Greater Kansas City Ment. Health Found., Mo. 53-56; Mt. Sinai Hosp., Los Angeles, Calif. 57-61; proj. asst, child psychiatrist, clin. WISCONSIN, 62-65. CLIN. ADMINSTR. PSYCHO-ED. CLIN. 65- Psychol. Asn; Orthopsychiat. Asn. Childhood psychosis psychosomatic illness; neurological damage; mental retardation; learning disability and developmental failure; videotape playback in family therapy with psychotic and brain-injured children; projective techniques in diagnosis; behavior modification. Publ: Co-auth, Psychosomatic study of five children with duodenal ulcer, *J. Pediatr.* The stable extended family as a model in treatment of atypical children, *Social Work*, 7/65 & Family diagnosis and therapy using videotape playback, *Am. J. Orthopsychiat.* 10/67. Address: 1005 Woodward Dr, Madison, Wis. 53704.
- LOEB, DR. EDWIN M(EYER), Anthropol, see 10th ed, Soc. & Behav. Vols. deceased 66.
- LOEB, DR. FELIX F(AUST), JR, b. Chicago, Ill, Jan. 31, 30; m. 55; c. 2. PSYCHIATRY. B.A. Chicago, 51; M.D. Harvard, 55; Pittsburgh Psychoanal. Inst. 61-67. Intern. Univ. Illinois Res. & Ed. Hosps, Chicago, 55-56; res. psychiatrist, West. Psychiat. Inst. & Clin. Pittsburgh, Pa. 56-58, 60-61; instr. PSYCHIAT, PITTSBURGH, 61-64, ASST. PROF., 64- U.S.A. 58-60, Capt. Psychiat. Asn. Linguistics-kinesics; psychoanalysis. Publ: Co-auth, General systems theory and psychoanalysis II, *Psychoanal. Quart.* 66. Address: 3811 O'Hara St, Pittsburgh, Pa. 15213.
- LOEB, PROF. MARTIN B(ERNARD), b. Toronto, Ont, Dec. 8, 13; nat; m. 38; c. 4. SOCIAL ANTHROPOLOGY, PSYCHOLOGY. B.A. Toronto, 36; fel. Chicago, 37-38, gen. ed. bd. fel. 41-42, Soc. Sci. Res. Coun. fel. 47-48, Ph.D.(human develop), 57. Asst. Am. Youth Cmn. study personality develop. Negro youth, Chicago, 38-39; dir. res. & community rel. Ill. Soc. Ment. Hyg. 39-41; res. assoc. inst. child welfare, California, 42-43, asst. prof. 43-51; lectr. sch. nursing, 43-51, consult. inst. indust. rel. & dept. psychiat. univ. 43-51; dir. coop. community res. center, Chicago & res. assoc. cmt. human develop, dept. sociol. 51-52, dir. Kansas City study adult life, cmt. human develop, 53-54; assoc. prof. ed. Univ. Kansas City, 54-56; lectr. sch. soc. welfare, California, Los Angeles, 56-61; PROF. SOC. WORK RES, WISCONSIN, MADISON, 61-, DIR. SCH. SOC. WORK, 65- Staff consult, Community Studies, Inc, Kans. 54-56. Dir. Santa Monica Teen-Age Study, Calif. 56-61. Hofheimer award, Am. Psychiat. Asn. 51. Fel. AAAS: fel. Anthropol. Soc; fel. Sociol. Asn; fel. Geront. Soc; Soc. Appl. Anthropol. Soc. Study Social Prob. Urban community; social factors in health; personality development. Publ: Co-auth, Duodenal ulcer: a sociopsychological study, Chronic disease and psychological invalidism & Who shall be educated? The challenge of unequal opportunities. Address: University of Wisconsin, School of Social Work, Madison, Wis. 53706.
- LOEB, DR. MICHEL, b. Montgomery, Ala, Oct. 21, 26; m. 53; c. 2. PSYCHOLOGY. B.S. Alabama, 48; A.M. Columbia, 49; Ph.D.(psychol), Vanderbilt, 53. RES. PSYCHOLOGIST, U.S. Army Med. Res. Lab, 52-56; Air Force Personnel & Training Res. Center, 56-58; U.S. ARMY MED. RES. LAB, FT. KNOX, 58- Res. asst. prof. Louisville, 61-64, res. assoc. prof. 64-66, part-time prof. 66- Mem. cmt. hearing, bioacoustics & biomech. Armed Forces-Nat. Res.Coun. 58- U.S.N.R. 44-46. AAAS; Psychol. Asn; Acoustical Soc; Psychonomic Soc. Psycho-acoustics; attention; perception; psychophysics. Publ: Co-auth, Influence of loud contralateral stimulation on the threshold and perceived loudness of low-frequency tones, *J. Acoustical Soc. Am.* 61 & Vigilance for auditory intensity changes as a function of preliminary feedback and confidence level, *Human Factors*, 64; auth, Psychophysical correlates of intratympanic reflex action, *Psychol. Bull.* 64. Address: 3601 Whitehall Court, Valley Station, Ky. 40272.
- LOEBEN, A(RTHUR) F(RANCIS), b. Gloversville, N.Y., Sept. 20, 19; m. 42; c. 2. URBAN PLANNING, ECONOMIC GEOGRAPHY. B.S. Pennsylvania, 52, M.A. 61. Econ. adv. Mil. Govt. Japan, 46-50; planning analyst, Phila. City Planning Cmn, Pa. 52; instr. geog. Pennsylvania, 52-57; dep. dir. MONTGOMERY COUNTY PLANNING CMN, 57-60, DIR. 61- Asst. U.S. Army Map Serv. 52-55; lectr. Immaculata Col. 56-57. C. Eng. U.S.A. 41-42; U.S.A.A.F. 42-48, Res. 48-, Lt. Col. Statist. Asn; Am. Geog. Soc; Asn. Am. Geog; Regional Sci. Asn. Regional planning; analysis of settlement; patterns; impact of transportation routes on land use; graphic representation and analysis of community development. Publ: Analysis of stead distribution by D-line method; Mapping the slopes of Montgomery County, Pennsylvania. Address: Montgomery County Planning Commission, Court House, Norristown, Pa. 19404.
- LOEHLIN, DR. JOHN C(LINTON), b. Ferozepore, India, Jan. 13, 26; U.S. citizen; m. 62. PSYCHOLOGY. A.B. Harvard, 47; Ph.D.(psychol), California, 57. Instr. psychol, Nebraska, 57-60, asst. prof. 60-64; ASSOC. PROF. PSYCHOL. & RES. SCIENTIST, COMPUTER CENTER, TEXAS, AUSTIN, 64-, ASSOC. PROF. COMPUTER SCI, 66- U.S.N.R. 44-46, 51-53, Lt. Psychol. Asn. Personality; computer simulation; human behavior genetics. Publ: Computer models of personality, *Random*, 68; Influence of different activities on the apparent length of time, *Psychol. Monogr*; Word meanings and self-descriptions, *J. Abnorm. & Soc. Psychol.* Address: Dept. of Psychology, University of Texas, Austin, Tex. 78712.
- LOEHR, DR. RODNEY C(LEMENT), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LOEHRKE, DR. LEAH M(ARIE), b. Toledo, Ohio, June 19, 18. CLINICAL PSYCHOLOGY. Ph.D.(clin. psychol), Western Reserve, 52. Chief clin. psychologist, CRILE VET. ADMIN. HOSP., CLEVELAND, 46-64, CHIEF PSYCHOL. INPATIENT SECT, 64- Assoc. psychiatrist, Case Western Reserve, 67- Consult, Highland View Hosp, Cleveland, 67- Psychol. Asn; Soc. Proj. Tech; Int. Coun. Psychol. Organic brain damage; psychosomatic problems. Publ: Co-auth, Application of the Piotrowski and the Hughes signs of organic defect to a group of patients suffering from post-traumatic encephalopathy & Evaluation of the Rorschach method for the study of brain injury, *J. Proj. Tech.* Address: 17552 Daleview Dr, Lakewood, Ohio 44107.
- LOEMKER, PROF. KENNETH K(ARL), b. Winslow, Ill, May 16, 06; m. 32; c. 2. PSYCHOLOGY. Ph.B. Chicago, 27, M.A. 29, fel. 37-38, Ph.D.(psychol), 41; Illinois, 28-30. Asst. PSYCHOL, Illinois, 28-30; from instr. to assoc. prof. MARSHALL, 30-42, dean men, 38-42, PROF., 45-, head dept, 45-66. Adj. Gen. Off. 42-45, Capt. Psychol. Asn. Visual perception; learning. Publ: Visual and kinesthetic factors in the visual perception of direction; Swimming and running maze performance of bright and dull rats. Address: Dept. of Psychology, Marshall University, Huntington, W.Va. 25701.
- LOESCHER, DR. FRANK S(AMUEL), b. Philadelphia, Pa, Jan. 2, 11; m. 33; c. 1. SOCIOLOGY. A.B. Pennsylvania, 32, M.S. 35, Ph.D.(sociol), 46; Chicago, 35; Harvard, 36. Instr. & adj. prof. sociol, Randolph-Macon Woman's Col. 38-44; spec. fel. & vis. lectr. Fisk, 44-45; dir. job opportunities prog. Am. Friends Serv. Cmt. 45-48; asst. prof. sociol, Temple, 48-49; vis. asst. prof. Haverford Col. 50-51; exec. dir. Phila. Cmn. Human Rels, 52; prog. consult, S.African Inst. Race Rels, 53; intergroup rels. consult Fund for Repub. Inc, 54-58; PROG. DIR. & GEN. SECY, U.S.-S.AFRICA LEADER EXCHANGE PROG, INC, 58- Exec. dir. Phila. Fair Employ. Practice Cmn, 48-51; mem. vis. faculty, centennial prog. Antioch Col. 54; Gabrielson lectr. Colby Col. 55. Fel. Nat. Coun. Relig. Higher Ed. Fel. Sociol. Asn; fel. African Studies Asn; Asn. Intergroup Rels. Officials (treas. 50-52). Industrial race relations; race relations in religious institutions and in South Africa. Publ: The Protestant Church and the Negro. Address: 414 S. 46th St, Philadelphia, Pa. 19143.
- LOESCHER, PROF. SAMUEL M(EGAW), b. Philadelphia, Pa, Aug. 8, 23; m. 53. ECONOMICS. A.B. Swarthmore Col. 46; A.M. Harvard, 48, Ph.D. 50. Assoc. prof. ECON. INDIANA, 49-66, PROF. 66- Bus. economist, Fed. Trade Cmn, D.C. 52-53, expert economist, 63-64, consult. 66; expert economist, Antitrust Div. D.C. 61; Internal Rev. Serv. Ind. 67. Consult. Am. Cement Corp, Calif. 66; Int. Salt Co, Pa. 68- U.S.A.A.F. 44-45, 2nd Lt. AAAS; Econ. Asn. Industrial organization and control; economic theory; urban economics. Publ: Imperfect collusion in the cement industry; Inert antitrust administration, formula pricing and the cement industry, *Yale Law J*; co-auth, Guidelines and the steel price controversy, *Bus. Horizons*, fall 62. Address: Dept. of Economics, Indiana University, Bloomington, Ind. 47405.
- LOESS, PROF. HENRY B(ERNARD), b. Chicago, Ill, June 24, 24; m. 51; c. 3. PSYCHOLOGY. B.S. Northwestern, 49, M.S. 50; Ph.D.(psychol), Iowa, 52. Asst. Northwestern, 49-50; Iowa, 50-52; assoc. prof. PSYCHOL. & chmn. dept. Lake Forest Col. 52-58; PROF. & HEAD DEPT. COL. WOOSTER, 58- U.S.A.A.F. 43-46. Psychol. Asn. Learning; motivation; teaching. Publ: Human discrimination learning with simultaneous and successive presentation of stimuli, *J. Exp. Psychol.* Address: Dept. of Psychology, College of Wooster, Wooster, Ohio 44691.
- LOETHER, PROF. HERMAN J(OHN), b. Pittsburgh, Pa, Feb. 27, 30; m. 57; c. 1. SOCIOLOGY. B.A. Los Angeles State Col. 51; M.A. Washington (Seattle), 53, Ph.D.(sociol), 55. Asst. prof. SOCIOL, Los Angeles State Col. 57-62, assoc. prof. 62-66, PROF. 66-67; CALIF. STATE COL. DOMINGUEZ HILLS, 67- Nat. Sci. Found. sci. faculty fel. 64-66. Voc. Rehab. Admin. principal investigator, portals res. 64-66. U.S.N. 55-57. Fel. Sociol. Asn; Statist. Asn. Social organization; methodology; sociology of work. Publ: Problems of aging: sociological and social psychological perspectives, Dickens, 67; Propinquity and homogeneity as factors in the choice of best buddies in the Air Force, *Pac. Sociol. Rev.*; The meaning of work and adjustment to retirement, In: *Blue collar world*, Prentice-Hall, 64. Address: Dept. of Sociology, California State College, Dominguez Hills, Calif. 90247.
- LOEVINGER, DR. JANE (MRS. SAM WEISSMAN), b. St. Paul, Minn, Feb. 6, 18; m. 43; c. 2. PSYCHOLOGY. B.A. Minnesota, 37, M.S. 38; Ph.D.(psychol), California, 44. Instr. statist, Washington (St. Louis), 46-47, consult. Air Force projs, 50-53; res. assoc. Jewish Hosp, 54-61; RES. ASSOC. PROF. med. psychol, sch. med, WASHINGTON (ST. LOUIS), 60-64, GRAD. INST. ED, 64-, RES. ASSOC. SOC. SCI. INST. 64- Justin fel. Am. Asn. Univ. Women, 55-56. Fel. Psychol. Asn. Ego development; psychometrics; psychoanalysis. Publ: Objective tests as instruments of psychological theory, *Psychol. Reports*, 57; Three principles for a psychoanalytic psychology, *J. Abnorm. Psychol.* 66; Meaning and measurement of ego development, *Am. Psychologist*, 66. Address: 6926 Princeton Ave, St. Louis, Mo. 63130.
- LOEW, SOLOMON B, b. Austria, Feb. 21, 17; m. 42; c. 3. STATISTICS. B.B.A. City Col. New York, 40. Statistician & economist, U.S. Govt. 40-51; salary stabilization officer, Econ. Stabilization Agency, 52; statistician, Parsons Eng. Co. 53; U.S. Dept. Navy, 54-57; group leader, MISSILE SYSTS. DIV, AVCO CORP, 57-61, sect. chief statist. anal. 62-65, SR. SCIENTIST, 65- U.S.N. 43-45. Statistical analysis. Address: Test & Evaluation Directorate, Avco Missiles Systems Division, 201 Lowell St, Wilmington, Mass. 01887.
- LOEWALD, DR. HANS W(ALTER), b. Colmar, France, Jan. 19, 06; nat; m. 35, 54; c. 4. PSYCHOANALYSIS. M.D. Rome, 34. Asst. prof. PSYCHIAT, sch. med, Maryland, 47-55; ASSOC. CLIN. PROF. SCH. MED. YALE, 55- Instr. sch. med, Hopkins, 48-55; training analyst, Baltimore Psychoanal. Inst. 51-55; West. New Eng. Inst. Psychoanal. 55- Psychiat. Asn; Psychoanal. Asn. Psychoanalytic theory. Publ: Ego and reality, 51 & On the therapeutic action

of psychoanalysis, 60, *Int. J. Psychoanal.*; Internalization, separation, mourning and the superego, *Psychoanal. Quart.*, 62. Address: 65 Trumbull St, New Haven, Conn. 06510.

LOEWENBERG, DR. FRANK M, b. Germany, Nov. 21, 25; U.S. citizen; m. 50; c. 4. SOCIAL WORK, SOCIOLOGY. A.B. Harvard, 47; M.S. Columbia, 49; Ph.D. (sociol.), Wayne State, 65. Dir. adult dept. Jewish Community Center, Mich, 56-62; instr. sociol. Wayne State, 62-65; asst. prof. soc. work, St. Louis, 65-67; CONSULT. UNDERGRAD. ED, COUN. SOC. WORK ED, 67-Field instr. sch. soc. work, Illinois, 53-55; sch. soc. work, Wayne State, 56-58. Consult. Alton State Hosp, Ill, 66-67. U.S.N. 44-46, Ens. Nat. Assn. Soc. Workers; Acad. Cert. Soc. Workers; Sociol. Asn. Formal organizations; professionalization; manpower problems in various critical occupations. Address: Council on Social Work Education, 345 E. 46th, New York, N.Y. 10017.

LOEWENBERG, PROF. GERHARD, b. Berlin, Germany, Oct. 2, 28; nat; m. 50; c. 2. POLITICAL SCIENCE. A.B. Cornell, 49, A.M. 50, Ph.D. (govt), 55. Instr. POLIT. SCI. MT. HOLYOKE COL, 53-56, asst. prof. 56-62. Assoc. prof. 62-68, PROF. 68-, CHMN. DEPT. 63- Vis. lect. Smith Col, 56; Fulbright res. grant, Germany, 56-57; Rockefeller grant, 61-62; Soc. Sci. Res. Coun. faculty res. fel. 64-65; lect. Columbia, 66-67; vis. assoc. prof. Cornell, 68; summers, vis. assoc. prof. California, Los Angeles, 66, prof. Univ. Massachusetts, Bologna, 67. Polit. Sci. Asn. Comparative politics; parliamentary institutions; recruitment; processes of legitimation. Publ: Parliament in the German political system, Cornell, 67; The British Constitution and the structure of the Labour Party, Am. Polit. Sci. Rev. Transformation of British Labour Party policy since 1945, J. Polit. Address: Dept. of Political Science, Mt. Holyoke College, South Hadley, Mass. 01075.

LOEWENBERG, DR. JÖRN JOSEPH, b. Hamburg, Germany, Nov. 22, 33; U.S. citizen. LABOR RELATIONS, BUSINESS MANAGEMENT. A.B. Harvard, 55, M.B.A. 59, Ford Found. fel. 60-62, D.B.A. 62. Res. asst. personnel grad. sch. bus. admin. Harvard, 59-60; labor economist, bur. labor statist, U.S. Dept. Labor, 62-64, off. manpower, automation & training, 64-66; ASST. PROF. MGT, SCH. BUS. ADMIN, TEMPLE, 66- U.S.A. 55-57. Indust. Rels. Res. Asn; Econ. Asn. Labor relations for public employees; automation; labor mobility; manpower programs. Publ: Co-auth, The politics and provisions of the Landrum-Griffin act, Harper, 64; auth, The operation of severance pay plans and their implications for labor mobility, U.S. Dept. Labor, 66. Address: Dept. of Management, Temple University School of Business Administration, Philadelphia, Pa. 19122.

LOEWENBERG, DR. PETER, Mod. German Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LOEWENSTEIN, PROF. KARL, b. Munich, Germany, Nov. 9, 91. POLITICAL SCIENCE, JURISPRUDENCE. LL.B. Munich, 14, D.C.L. 19; A.M. Amherst Col, 40. Attorney at law, Bavarian Courts & German Supreme Court, 18-34; assoc. prof. polit. sci, Yale, 34-36; prof. POLIT. SCI. & JURISP, AMHERST COL, 36-61, WILLIAM NELSON CROWELL EMER. PROF, 61- Lectr, Munich, 31-33; Guggenheim fel, 39, spec. asst. to U.S. Attorney Gen, 42-44; lectr, law sch, Yale, 56-60; Fulbright prof, Kyoto, 61-62; vis. prof, Basel, 63; Berlin, 65-66. Attorney at law, 39- Consult, Mil. Govt. Germany, 45-50. Legal adv, Montevideo Emergency Cmt. Polit. Defense, 44-45. Polit. Sci. Asn; Soc. Int. Law; Bar Asn. Publ: Political power and the governmental process, Univ. Chicago, 57; Verfassungsrecht und Verfassungspolitik der Vereinigten Staaten, 59 & Staatsrecht und Staatspraxis von Grossbritannien, 67, Springer Verlag. Address: 43 Sunset Ave, Amherst, Mass. 01002.

LOEWENSTEIN, REGINA LOUISE, b. Jersey City, N.J., Feb. 10, 16. STATISTICS. A.B. Columbia, 36, A.M. 37. Statistician, Nat. Refugee Serv, 38-41; mathematician, div. war res, Columbia, 41-45; statistician, Am. Jewish Cong, 45-46; chief, ops. sect, Am. Acad. Pediat, 46-48; statist. sect, Cmt. Vet. Med. Prob, Nat. Res. Coun, 48-54; assoc. soc. res, Nat. Tuberc. Asn, 54-58; STATISTICIAN, SCH. PUB. HEALTH & ADMIN. MED, COLUMBIA, 58- Statist. Asn; Asn. Pub. Opinion Res; fel. Pub. Health Asn; Inst. Math. Statist. Distribution of medical care, epidemiology and medical research; methodological studies and applications of mathematical statistics to problems in social sciences. Publ: Co-auth, Study of child health services & Community fact book of Washington Heights, New York City, 1960-1961, Columbia Univ, 63. Address: Columbia University, Room 307, 21 Audubon Ave, New York, N.Y. 10033.

LOEWY, DR. BECKY WHITE, b. Fountain Inn, S.C., July 24, 31; m. 62; c. 2. PSYCHOLOGY. A.B. Vanderbilt, 52; M.A. Ohio State, 53; McEnerney fel, California, Berkeley, 56-57, Ph.D. (counseling psychol), 57. Counsr, Ohio State, 53-55; instr. ed. psychol, Duke, 57-58, asst. prof, 58-59; PSYCHOL, SAN FRANCISCO STATE COL, 59-64, ASSOC. PROF, 64- Summer lectr, Nat. Defense Ed. Act Workshop in Counseling, California, Berkeley, 59, N.C. State Col, 60. Psychol. Asn; Personnel & Guid. Asn. Human development, especially during early childhood and college years; individual differences in cognition; parent-child interaction; women's roles and vocational interests. Publ: The relationship of self concept and parental identification to women's vocational interests, J. Counseling Psychol, 59; Exploitation of college students, J. Col. Student Personnel, 3/63. Address: Dept. of Psychology, San Francisco State College, San Francisco, Calif. 94132.

LOEWY, DR. HARRIS, b. New York, N.Y., Jan. 31, 15; m. 43; c. 2. ECONOMICS. Ph.D. (econ), Wisconsin, 54. Indust. economist, UNRRA, 44-45; int. trade economist, U.S. Dept. State, 45-46; prin. economist, U.S. Dept. Treas, 46-48; head economist, Bankers Life of Iowa, 48-58; SR. ECONOMIST, BD. GOV. FED. RESERVE SYST, D.C. 58- Econ. Asn. Money and credit; economics of financial intermediaries and of capital market. Publ: Cash flows through insurance companies, J. Am. Statist. Asn; Net money flows through life insurance companies, J. Finance. Address: 5516 Uppingham St, Chevy Chase, Md. 21620.

LOFCHIE, DR. MICHAEL F, b. Boston, Mass., Apr. 23, 36; m. 61. POLITICAL SCIENCE. B.A. Harvard, 58; M.A. California, Berkeley, 60, Ph.D.

(polit. sci), 64. ASST. PROF. POLIT. SCI, CALIFORNIA, LOS ANGELES, 64-, ASST. DIR. AFRICAN STUDIES CENTER, 67- Nat. Defense Ed. Act-related Center Faculty Fulbright-Hays fel, 66-67; Soc. Sci. Res. Coun. award, 66-67. Polit. Sci. Asn; fel. African Studies Asn. Problems of political and administrative development in independent African States. Publ: Zanzibar: background to revolution, Princeton, 65; Representative government bureaucracy and political development: the African case, J. Develop. Areas, 10/67. Address: Dept. of Political Science, University of California, Los Angeles, Calif. 90024.

LOFCHIE, DR. STANLEY, b. Wakefield, Mass., Aug. 10, 25; m. 46; c. 2. CLINICAL PSYCHOLOGY. A.B. Harvard, 49; U.S. Pub. Health Serv. fel, Clark, 49-51, Ph.D. 53. U.S. Pub. Health Serv. intern clin. psychol, Worcester Youth Guid. Center, Mass, 51-52; res. psychologist, Worcester State Hosp, 52-53; clin. psychologist, adolescent unit, Children's Hosp, Boston, Mass, 53-56, supvr. psychol, dept. psychiat, 56-57; chief clin. psychologist, Schenectady County Child Guid. Center, Inc, 57-65; COORDINATOR CONSULT. SERV, CHILDREN'S PSYCHIAT. CENTER, 65- Consult, pub. health nurses; child welfare workers; clergy; juvenile court; pub. sch. systs. Dipl. Am. Bd. Exam. Prinl. Psychol, 60. U.S.A. 43-46. Psychol. Asn; Pub. Health Asn. Adaptation to social stress; community programs in mental health; juvenile delinquency. Publ: Performance of adults under distraction stress, J. Psychol; co-auth, The clinic and the community, Ment. Hosps, 62. Address: Children's Psychiatric Center, 59 Broad St, Eatontown, N.J. 07724.

LOFFLER, DR. REINHOLD, b. Innsbruck, Austria, May 13, 32; m. 64; c. 2. ANTHROPOLOGY. Dr. phil. (anthrop), Mainz, 63. Res. assoc. ANTHROP, CHICAGO, 65, ASST. PROF, WESTERN MICHIGAN, 67- Res. grants, Wenner-Gren Found. & Univ. Chicago, 65-66. Anthropol. Asn. The Boir Ahmad of southwestern Iran; history, economy, political organization. Publ: Social stratification in the southern Hindukush & Karakorum mountains, Mainz, W. Germany, 64 & co-auth, An ethnographic collection from Boir Ahmad, southern Iran, Archiv für Völkerkunde, 67. Address: Dept. of Anthropology, Western Michigan University, Kalamazoo, Mich. 49001.

LOFGREN, DR. PAUL V. W., b. Sweden, Jan. 5, 03; nat; m. 26. PSYCHOLOGY. A.B. California, 37, M.A. 40, Ph.D. (psychol), 47. SUPVR. OCCUP. PROFICIENCY TESTING, BUR. INDUST. ED, STATE DEPT. ED, CALIF. 44- AAAS: Psychol. Asn; Voc. Asn. Industrial psychology, research and teaching. Publ: Co-auth, Nature of some of the difficulties of students failing the first two years of college, J. Exp. Ed. Address: 1060 Peralta Ave, Berkeley, Calif. 94706.

LOFLAND, DR. JOHN FRANKLIN, b. Mar. 4, 36; U.S. citizen; m. 65. SOCIOLOGY. B.A. Swarthmore Col, 58; M.A. Columbia, 60; Ph.D. (sociol), California, Berkeley, 64. Asst. prof. SOCIOL, Michigan, 64-68; ASSOC. PROF, SONOMA STATE COL, 68- Social organization; deviance and social control. Publ: Doomsday cult, 66 & Deviance and identity, 69, Prentice-Hall. Address: Dept. of Sociology, Sonoma State College, Rohnert Park, Calif. 94928.

LOFLIN, DR. MARVIN D(EE), b. Calexico, Calif., Oct. 13, 35; m. 59; c. 4. LINGUISTICS, ANTHROPOLOGY. B.A. Brigham Young, 60, M.A. 62; Ph.D. (ling), Indiana, 65. Coordinator ling, Urban Lang. Study-Center for Appl. Ling, 66-67; ASST. PROF. LING. & ANTHROP, MISSOURI, COLUMBIA, 67-, RES. ASSOC, CENTER FOR RES. SOC. BEHAV, 67- U.S.A. 53-56. Ling. Soc; Anthropol. Asn. Quechua language; Negro nonstandard English. Address: Dept. of Anthropology, University of Missouri, Columbia, Mo. 65201.

LOFQUIST, PROF. LLOYD H(ENRY), b. U.S., June 11, 17; m. 41; c. 2. PSYCHOLOGY, COUNSELING. B.A. Minnesota, 40, M.A. 41, Ph.D. 55. Res. assoc. psychol, employment stabilization res. inst, Minnesota, 40-42; counseling psychologist, Vet. Admin, St. Paul, Minn, 46-52; chief counseling serv, Vet. Admin. Hosp, Minneapolis, 52-56; PROF. PSYCHOL, MINNESOTA, 56-, ASSOC. DEAN SOC. SCI, 67-, asst. chmn. dept. psychol, 56-66. Consult, Minneapolis & St. Cloud Vet. Admin. Hosps, 56-7 div. voc. rehab. Servs. for the Blind, Minn, 56-; State Bd. Exam. Psychologists, 60-65. Co-recipiant award, Nat. Rehab. Asn. & Am. Personnel & Guid. Asn, 60, 65. U.S.A. 42-46, Capt. Psychol. Asn; Personnel & Guid. Asn. (award, 67); Rehab. Asn. Counseling psychology; measurement of work adjustment; career development research. Publ: Vocational counseling with the physically handicapped; Problems in vocational counseling; ed, Psychological research and rehabilitation, Am. Psychol. Asn, 60. Address: 2521 W. 55th St, Minneapolis, Minn. 55410.

LOFT, PROF. JACOB, b. New York, N.Y., Apr. 2, 13. ECONOMICS. B.S.S. 37; univ. fel, Columbia, 37-39, A.M. 38, Soc. Sci. Res. Coun. fel, 41-42, Ph.D. 44. Instr. ECON, Chicago, 39-41; assoc. prof, BROOKLYN COL, 42-55, PROF, 55-, CHMN. DEPT, 59- Lectr, Columbia, 46-60; res. assoc. res. proj, Frankfurt, 54; Nat. Sci. Found. res. fel, 62-63. Econ. Asn. Labor and health economics; social insurance; economic history; health insurance systems. Address: Dept. of Economics, Brooklyn College, Brooklyn, N.Y. 11210.

LOFTIN, PROF. MARION T(HEO), b. Couthatta, La., Sept. 10, 15. SOCIOLOGY. A.B. La. State Norm. Col, 35; A.M. La. State, 41; Bolivar fel. to Brazil, 48-49; Ph.D. Vanderbilt, 52. Assoc. prof, Southeast La. Col, 46-47; from prof. sociol. to PROF. SOCIOL. & ANTHROP. & ASSOC. DEAN GRAD. SCH, MISS. STATE, 49- U.S.A. 41-45. Sociol. Asn; Rural Sociol. Soc. Rural sociology; demography; problems in health and medical services. Address: Graduate School, Mississippi State University, State College, Miss. 39762.

LOFTSGARD, DR. LAUREL D(UANE), b. Hoople, N.Dak., Sept. 4, 26; m. 51; c. 2. AGRICULTURAL ECONOMICS. B.S. N.Dak. State, 54; Ph.D. (prod. econ), Iowa State, 58. Exten. economist, agr. econ, Iowa State, 56-58; agr. economist, N.Dak. State, 58-65; dir. N.Dak. Water Resources Res. Inst, 65-67; V.PRES. ACAD. AFFAIRS, N.DAK. STATE, 66- U.S.A. 46-47, C.Eng. 50-51, Sgt. Agr. Econ. Asn. Farm management; production and land economics. Publ: Dynamic programming models, J. Farm Econ; Contracts and allotments in sugar beet production & Farm planning guides for Central

North Dakota, N.Dak. Agr. Exp. Sta. Bull. Address: Office of the Vice President, North Dakota State University, Fargo, N.Dak. 58102.

LOFTUS, DR. JOHN ALPHONSUS, Int. Econ, see 10th ed, Soc. & Behav. Vols.

LOFTUS, DR. P(ATRICK) J(OSEPH), b. U.K., Mar. 3, 12; m. 42. STATISTICS, ECONOMICS. B.Sc., London, 45, Ph.D.(econ), 48. Dir. gen. dept. statist. Govt. Palestine, 44-48; chief econ. statist. br., STATIST. OFF. UN, 48-50. DEP. DIR., 50- Consult, Govt. Cyprus, 46; Iraq, 47. Chmn. bd., Int. Comput. Center, 66- Brit. Army, 40-44, Maj. Am. Statist. Asn; fel. Royal Statist. Soc; fel. Royal Econ. Soc; fel. Int. Statist. Inst. International trade, prices production and consumption. Publ: International statistics, government statistics for business use; International trade statistics; National income of Palestine, 1944 and 1945. Address: Statistical Office, United Nations, New York, N.Y. 10017.

LOGAN, DR. BYRON EUGENE, b. Rushville, Ind, July 2, 26; m. 51; c. 2. GEOGRAPHY. B.A., DePauw, 50; M.A., Colorado, 52; Ph.D.(geog), North Carolina, 56. Asst. prof. GEOG., Ala. Polytech, 54-55; from asst. prof. to ASSOC. PROF., MIAMI (OHIO), 55- Econ-in-Action fel, 58. U.S.N., 44-46. Asn. Am. Geog. Economic and manufacturing geography; geography of Africa. Address: Dept. of Geography, Miami University, Oxford, Ohio 45056.

LOGAN, PROF. FRANK A(NDERSON), b. Palatka, Fla, July 22, 24; m. 48; c. 2. PSYCHOLOGY. B.A., Iowa, 48, M.A., 49, Ph.D., 51. Fel. behav. sci., Yale, 51-54, asst. prof. PSYCHOL., 54-58, assoc. prof., 58-64; PROF., NEW MEXICO, 64- AAAS; Psychol. Asn; Soc. Exp. Psychol. Learning and behavior theory. Publ: Incentive; co-auth, Reward and punishment, Allyn & Bacon, 65. Address: Dept. of Psychology, University of New Mexico, Albuquerque, N.Mex. 87106.

LOGAN, DR. HAROLD AMOS, b. West Amherst, N.S. ECONOMICS. B.A., Acadia, 12; A.B., Yale, 13; Ph.D., Chicago, 25. Prof., Randolph-Macon Woman's Col, 24-29; Western Ontario, 29-38; assoc. prof. polit. econ., Toronto, 38-41, prof., 41-55; consult, Ont. Dept. Labor, 57-58, 62; RETIRED. Can. Polit. Sci. Asn; Royal Soc. Can. Publ: Trade unions in Canada, their development and functioning, Macmillan, 48; State intervention and assistance in collective bargaining, the Canadian experience, 1943-1954, Univ. Toronto; The Logans of Amherst, a genealogy and action pattern of a Nova Scotia family, 1761-1966, privately pub, 68. Address: R.R. 2, Stouffville, Ont, Can.

LOGAN, DR. JAMES P(HILLIPS), b. Frenchtown, N.J., Apr. 27, 21; m. 45; c. 2. INDUSTRIAL ECONOMICS, BUSINESS MANAGEMENT. A.B., Princeton, 43; M.B.A., Harvard, 49; Ph.D., Columbia, 60. Lectr. mgt, Columbia, 51-54; asst. prof. bus. admin, Dartmouth Col, 54-58; from asst. prof. to ASSOC. PROF. MGT, GRAD. SCH. BUS., COLUMBIA, 58- U.S.A.A.F., 43-45, Capt. Econ. Asn; Acad. Mgt. Business administration and cycles. Publ: Co-auth, Management of expanding enterprises & Business policies and management. Address: Graduate School of Business, Columbia University, New York, N.Y. 10027.

LOGAN, PROF. LEONARD M(ARION), b. Vernon, Tex, Apr. 27, 91; m. 22; c. 3. SOCIOLOGY. A.B., Oklahoma, 14; A.M., Columbia, 23; Ph.D., Wisconsin, 30. From mem. faculty to prof. SOCIOL. & dir. CENTER URBAN & REGIONAL STUDIES, OKLAHOMA, 23-61, EMER. PROF. & EMER. DIR., 61- Address: 801 Elmwood Dr, Norman, Okla. 73069.

LOGAN, PROF. RICHARD F(INK), b. Housatonic, Mass, June 1, 14; m. 39; c. 2. GEOGRAPHY. B.A., Clark, 36, M.A., 37; M.A., Harvard, 43, Ph.D., 49. Chief cartographer, Babson Inst, 38-42; instr. GEOG., Clark, 38-43; Yale, 43-46; asst. prof. Conn. Col, 45-47; instr. Harvard, 47-48; asst. prof. CALIFORNIA, LOS ANGELES, 49-55, assoc. prof., 55-61, PROF. 61- Asn. Am. Geog. fel. Am. Geog. Soc. Geography of arid lands; field techniques; geomorphology; Southern Africa. Address: Dept. of Geography, University of California, Los Angeles, Calif. 90024.

LoGIUDICE, DR. ANTHONY M(ICHAE), Clin. Psychol, see 11th ed, Phys. & Biol. Vols.

LOGSDON, PROF. CLEMENT S(EARL), b. Columbus, Ohio, July 10, 02; m. 28; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. B.Sc., Georgetown, 24, M.A., Ohio State, 28, univ. fel, 38-39, Ph.D.(bus. orgn), 40. Asst. prof. econ., Mich. State, 28-43; economist, U.S. Dept. Commerce, 43-46; PROF. BUS. ADMIN., NORTH CAROLINA, 46- Res. prof. Inst. Res. Soc. Sci., 51. Mkt. consult, 50-; consult, bur. supplies & accts, U.S. Dept. Navy, 52. Mkt. Asn. Industrial development; marketing. Publ: Approach to community development of small industries; Community action for economic development; A compilation of selected physical, economic and social statistics for counties and the major physiographic regions of North Carolina, Grad. Sch. Bus., Univ. North Carolina, 67. Address: Dept. of Marketing, University of North Carolina, Chapel Hill, N.C. 27514.

LOH, DR. ARTHUR T(SUNG) Y(UAN), b. Shanghai, China, Dec. 2, 23; nat; m. 55. ECONOMICS. B.A., St. John's (China), 45; M.S., Illinois, 49, fel, 49-50, 50-51, Ph.D.(econ), 52. Researcher, R.W. PRESSPRICH & CO, 52-65, RES. MGR., 65- Econ. Asn; Acad. Polit. & Soc. Sci. Economic development; management and marketing; finance. Publ: Theory of economic development and planning in an underdeveloped country. Address: 9 North Lane, Windmill Farm, Armonk, N.Y. 10504.

LOH, PROF. PICHON P(EI) Y(UNG), b. Shanghai, China, May 30, 28; nat; m. 55; c. 3. POLITICAL SCIENCE, HISTORY. B.A., Phillips, 50; M.A., Chicago, 51, Ph.D., 55. Vis. asst. prof. hist., Anderson Col, 53-54, asst. prof. hist. & polit. sci., 56-59, chmn. dept., 58-63, assoc. prof., 59-63, prof., 63-65; assoc. prof. POLIT. SCI. & FAR EAST. HIST., UPSALA COL, 65-67, PROF., 67- Vis. assoc. prof., Columbia, 61-62, seminar assoc., 66-, res. assoc., E.Asian Inst, 67-69; Carnegie Corp. N.Y. sr. fel, 61-62; vis. assoc. prof., Drew, 66-67; faculty fel, Upsala Col, 67-68. Asn. Asian Studies; Hist. Asn; Polit. Sci. Asn; Acad. Polit. & Soc. Sci. History and politics of Kuomintang China; Chinese communism; Far Eastern politics; politics and ideology. Publ: Ed, Kuomin-

tang debacle of 1949; conquest or collapse, Heath, 65; auth, Politics of Chiang Kai-Shek; a reappraisal, J. Asian Studies, 5/66; Chinese communists and the Sino-Soviet dispute, 1963-1964, Proc. Ind. Acad. Soc. Sci. Address: Dept. of Political Science, Upsala College, East Orange, N.J. 07017.

LOHMAN, PROF. JOSEPH D(EAN), Sociol, Criminol, see 10th ed, Soc. & Behav. Vols, deceased 68.

LOHMAN, DR. MAURICE A, b. Denver, Colo, Nov. 14, 21; m. 50; c. 2. EDUCATIONAL MEASUREMENT. B.A., Colorado, 49, M.Ed., 51; Ed.D.(ed. admin), Columbia, 62. Teacher, high sch., Colo, 49-50; N.Y., 51-52; test develop. aide, N.Y. State Ed. Dept., 52-56, ed. res. asst., 56-61; ed. res. assoc., Teachers Col., Columbia, 61-65; ASST. PROF. ED. RES., CITY UNIV. NEW YORK, 65- Res. fel, inst. admin. res., Columbia, 61-62; U.S. Off. Ed. Coop. res. grant, 65-66. Consult, div. sch. finance, N.Y. State Ed. Dept., 64-65; Center Urban Ed, 66-67. U.S.N.R., 42-45. Ed. Res. Asn; Nat. Coun. Measurement in Ed; Asn. Res. Growth Relationships. Educational research; statistics; data processing. Publ: Co-auth, Computational exercises in school finance, Teachers Col. Press, 66; An evaluation of the intensive teacher training program, City Univ. New York, 67; auth, The expansion of the after school study centers for disadvantaged pupils, Center Urban Ed, 67. Address: Division of Teacher Education, City University of New York, 33 W. 42nd St, New York, N.Y. 10036.

LOHMAN, DR. PHILIPP H(ANS), b. Fuerth, Bavaria, May 7, 06; nat; m. 34; c. 2. ECONOMICS, FINANCE. B.A., George Washington, 33; M.A., Southern California, 34, Ph.D.(econ), 36. From asst. prof. to assoc. prof. econ. & polit. sci., Miami (Ohio), 36-44; contrib. ed. bus. & finance, Time, 44-45; prof. commerce & econ. & chmn. dept., Vermont, 45-63; TRAINING DIR., V.PRES. & ECONOMIST, WALSTON & CO, INC., 63- Adj. prof. grad. sch. bus. admin, Pace Col, 64- Petrol. & finance consult. mem., Royal Inst. Int. Affairs. Econ. Asn; Fiance Asn; Acad. Polit. & Soc. Sci. Individual and institutional investments; corporation finance. Publ: Co-auth, Money and banking, Wall Street explains its operations & Principles of economics. Address: 25 E. End Ave, Apt. 2-C, New York, N.Y. 10028.

LOHR of IRIZARRY, PROF. MILDRED TUCKER, b. Brandy, Va, Dec. 10, 05; m. 40; c. 2. GEOGRAPHY, HISTORY. B.A., Longwood Col, 27; M.A., Columbia, 33; London, 43-44 & 53-54; Nat. Sci. Found. grant, McGill, 65; Nat. Sci. Found. grant, Ohio State, 66. Teacher, high sch., P.R., 28-38; prof. hist. & polit. sci. & chmn. dept., INTER-AM. UNIV. P.R., 38-58, soc. studies, 58-64, PROF. GEOG. & CHMN. DEPT., 64- Fulbright grant, Netherlands, 50-51; participant seminar tour, U.S.S.R., 64; Nat. Sci. Found. grant, Arctic Inst. N. Am., Can., 65. Asn. Am. Geog. Political geography; geography of Puerto Rico; introduction to college geography. Address: Dept. of Geography, Inter-American University of Puerto Rico, San German, P.R. 00753.

LOHRENTZ, DR. LEANDER JOHN, b. Hillsboro, Kans, June 26, 28; m. 57; c. 3. PSYCHOLOGY. B.A., Wichita State, 55; M.A., Kansas, 61, Ph.D.(clin. psychol), 65. DIR. HUMAN RELS. TRAINING, INTERAGENCY PROJ. REHAB, UNIV. KANSAS, 64- Res. psychologist, Menninger Found, 65; training consult, Midwest Group Human Resources, 66- U.S.A., 51-53, Intel. C.Res, 53-, Capt. Psychol. Asn. Use of laboratory training methodology in dealing with various social and organizational problems and communication inadequacies; consistency of individual differences in perception and cognition. Publ: Co-auth, Attention and assimilation, Am. J. Psychol., 61, The Mayman form-level scoring method: scorer reliability and correlates of form level, J. Proj. Tech, 67 & Cognitive control of differentiation in the perception of persons and objects, Perceptual & Motor Skills, 68. Address: 2614 Alabama, Lawrence, Kans. 66044.

LOHRMAN, PROF. H(ERBERT) P(AUL), b. Dover, Ohio, May 23, 00; m. 23; c. 2. SOCIOLOGY. B.S., Ohio, 36, M.A., 39; Ph.D., Ohio State, 42. Critic teacher, Ohio, 38; asst. Ohio State, 39-42; prof. social, ST. CLOUD STATE COL, 42-45, chmn. div. soc. studies, 45-61, prof. social, 61-63, chmn. dept., 63-66, PROF. SOCIOL. & ANTHROP., 66- Sociol. Asn. Marriage and family relationships; community, structure and ecology. Publ: Marriage and family in the United States; Minnesota boy; his parents' child; co-auth, How to enjoy personal, family and social living. Address: Dept. of Sociology & Anthropology, St. Cloud State College, St. Cloud, Minn. 56301.

LOISELLE, DR. ROBERT H, b. Fitchburg, Mass, Feb. 8, 30; m. 52; c. 2. PSYCHOLOGY. B.A., Massachusetts, 56; Ph.D.(psychol), Rochester, 61. Asst. prof. PSYCHOL., Chatham Col, 61-68, assoc. prof., 66-67; CLIN. ASSOC. PROF. SCH. MED., PITTSBURGH, 67- Assoc. psychologist, West. Psychiat. Inst. & Clin, 61-67; consult, Ellis Sch, 66-67. U.S.A.F., 48-52, S/Sgt. Psychol. Asn. Perceptual defense; projective techniques; long term memory. Publ: Co-auth, Stimulus value of Rorschach inkblots and their percepts, J. Proj. Tech, 63; co-auth, Perceptual defense to racially significant stimuli, 66 & auth, A newer approach to perceptual defense, 66, Perceptual & Motor Skills. Address: 1011 Lindendale Dr, Pittsburgh, Pa. 15243.

LOKEN, PROF. OLAV HELGE, Phys. Geog, see Suppl. V to 11th ed, Phys. & Biol. Vols.

LOKKE, LAURA WENDT, b. Brenham, Tex, Sept. 8, 03; m. 44. MATHEMATICS, ECONOMICS. A.B., Southwest Tex. State Teachers Col, 26; A.M., Texas, 31. Instr. eng., Southwest Tex. State Teachers Col, 26; prof. math., Blinn Jr. Col, 27-30, 31-33; instr., Texas, 31; agr. economist, U.S. Dept. Agr, 33-36; econ. statistician, Soc. Security Bd, 36-43; employ. statistician, Civil Serv. Cmn, 43-44; FINANCIAL ECONOMIST BUDGETARY ANAL., U.S. BUR. BUDGET, 44- Mem. Am. Asn. Univ. Women Ed. Found, 59- Econ. Asn; Polit. Sci. Asn. Federal public works and natural resources development; mathematical research on certain frequency functions in measurement of absolute value of deviations. Publ: State differences in income distribution by size groups; Census classifications and social security categories; Government component in national wealth-federal physical assets excluding military. Address: 1801 16th St. N.W., Washington, D.C. 20009.

LOMAN, PROF. HARRY J(AMES), b. North Wales, Pa, Mar. 19, 96; m. 18; c. 2. ECONOMICS. B.S., Pennsylvania, 18, M.A., 21, Ph.D., 23. Instr. INS, PENNSYLVANIA, 19-21, asst. prof., 21-26, prof., 26-65, v.dean, Wharton

- Sch, 33-38, assoc. dean & dir. grad. div, 38-42, EMER. PROF, 65- Dean, Am. Inst. for Property & Liability Ins, 42-61, pres, 61-66, emer. pres, 66- Chmn. admin. bd, S.S. Huebner Found. Ins. Ed, 40-65; exec. v. pres, Ins. Inst. Am, 52-62, pres, 62-66, emer. pres, 66- U.S.N, 17-19. Risk & ins. asst. (pres. 36-38). Insurance and finance. Publ: Insurance of foreign credits; Taxation in its relation to life insurance; co-auth, Insurance principles and practices. Address: 3900 Ford Rd, Apt. 14E, Philadelphia, Pa. 19131.
- LOMAX, PROF. ALFRED L (EWIS), b. Denver, Colo, May 13, 92; m. 17; c. 2. MARKETING, BUSINESS ADMINISTRATION. B.B.A. Oregon, 23; A.M. Pennsylvania, 27. Prof. mkt. OREGON, 20-60, EMER. PROF. BUS. ADMIN, 60- Vis. prof, Hawaii, 38-39. Foreign trade; economic history and geography. Publ: Field warehousing: a business triple alliance, Indust. Can, 1/63; The ICC looks at shippers' co-ops, Distribution Age, 3/66; Dr. McLaughlin's fur-trade merchant marine, Compass, 1-2/67. Address: 1976 Onyx St, Eugene, Ore. 97403.
- LOMBARD, PROF. GEORGE F (RANCIS) F (ABYAN), b. Newton, Mass, Jan. 31, 11. HUMAN RELATIONS. A.B. Harvard, 33, M.B.A. 35, D.C.S. 42. Asst. dean GRAD. SCH. BUS. ADMIN, HARVARD, 36-40, instr. indust. res, 40-42, asst. prof, 42-46, assoc. prof. HUMAN RELS, 46-52, PROF, 52-, ASSOC. DEAN ED. AFFAIRS, 62- Soc. Appl. Anthropol. Sociol. Asn. Teamwork and labor turnover in the aircraft industry of Southern California; rehabilitation; the man and the job. Publ: Behavior in a selling group. Address: Harvard University Graduate School of Business Administration, Boston, Mass. 02163.
- LOMBARDI, DR. DONALD N, b. Orange, N.J, Oct. 27, 32; m. 56; c. 2. PSYCHOLOGY. B.A. Seton Hall, 54; M.A. Fordham, 56, Ph.D. (psychol), 61. Dir. Md. & Del. regions, Nat. Conf. Christians & Jews, 56-62; ASSOC. PROF. PSYCHOL, SETON HALL, 62- Lectr, N.J. Dept. Law & Pub. Safety, 63-; juvenile court psychologist, Essex County Youth House, 65- Consult, Soc. Welfare Res. Found, 65-; psychol. consult, Drug Addiction Rehab. Enterprises, 67- Asst. to dir, Mt. Carmel Guild Narcotic Clin, 62-66; trustee, City Hosp. Sch. Nursing, Newark, N.J, 65-67. U.S.A.R., 60-66. Psychol. Asn; Soc. Adlerian Psychol. Personality of the drug addict; life style analysis and modification; subjective perception; interpersonal and intergroup relations. Publ: Co-auth, Heroin and God, Cath. Psychol. Record, spring 65, What do you want to be when you grow up?, Child & Family, summer 67 & Personality characteristics of the young male drug addict, J. Consult. Psychol, 67. Address: Dept. of Psychology, Seton Hall University, South Orange, N.J. 07079.
- LOMONT, DR. JAMES FRANCIS, Psychol, see 10th ed, Soc. & Behav. Vols.
- LONDON, DR. HARVEY S (TEWART), b. Cleveland, Ohio, July 27, 37; m. 67. SOCIAL PSYCHOLOGY. A.B. Princeton, 59; Hopkins, 59-61; Ohio State, 61-62; Nat. Inst. Ment. Health fel, Columbia, 62-63, Ph.D. (soc. psychol), 64. Russell Sage Found. residency law & soc. sci, Harvard Law Sch, 64-65; ASST. PROF. PSYCHOL, BRANDEIS, 65- Vis. asst. prof, Emory, 67-68. Summers, Nat. Inst. Ment. Health res. grant, 66, consult, div. alcoholism, Mass. Dept. Pub. Health, 66, U.S. Army Res. Inst. Environ. Med, 67. AAAS; Psychol. Asn; Sociol. Asn. Persuasion in small groups, relationship between anxiety and drinking behavior; physiological correlates of boredom; psychological time. Address: Dept. of Psychology, Brandeis University, Waltham, Mass. 02154.
- LONDON, PROF. IVAN D (ANIEL), b. Philadelphia, Pa, Jan. 8, 13; m. 47. PSYCHOLOGY. B.A. Temple, 35; M.A. Northwestern, 45; Ph.D. Tulane, 50. Teacher, pub. schs, Pa, 35-47; res. adminstr, Proj. Soviet Soc. Syst, Russian Res. Center, Harvard, 50-52; asst. prof. PSYCHOL, BROOKLYN COL, 52-58, assoc. prof, 58-64, acting chmn. dept, 61-62, PROF, 64-, DIR. INST. POLIT. PSYCHOL, 61-, dir. Inwood Proj. Intercultural Commun, 53-58. Dir. Center Study World Psychol, 63- U.S.A., 42-46. AAAS; Psychol. Asn; Asn. Asian Studies. Soviet psychology; political psychology applied to Soviet Union and Communist China. Publ: A research-examination of the Harvard project on the Soviet social system, Case study of historical analysis applied to social psychological research & Case study on the reliability of research on foreign peoples, Psychol. Reports. Address: Dept. of Psychology, Brooklyn College, Brooklyn, N.Y. 11210.
- LONDON, DR. JACK, b. Duluth, Minn, Oct. 10, 15; m. 47; c. 3. SOCIOLOGY. A.B. Cent. YMCA Col, 39; Ph.D. (sociol), Chicago, 52. Training specialist voc. rehab, Vet. Admin, 46-48; res. assoc. indust. sociol, Chicago, 48-51, asst. prof. indust. rel, 51-53; ADULT ED, CALIFORNIA, BERKELEY, 53-64, PROF, 64-, CONSULT, EXTEN, 55-, ASSOC. RES. SOCIOLOGIST, SURV. RES. CENTER, 60- Instr, Roosevelt, 49-53. C.Eng. U.S.A., 42-45. Sociol. Asn; Adult. Ed. Asn. Educational and industrial sociology. Publ: Co-auth, The worker views his union, Univ. Chicago Press, 58 & Adult education and social class, Surv. Res. Center, Univ. Calif, 63; auth, A perspective on programming in adult education: a critical challenge, Adult leadership, 2/67. Address: School of Education, University of California, Berkeley, Calif. 94720.
- LONDON, PROF. KURT L, b. Berlin, Germany, Sept. 12, 00; U.S. citizen; m. 51. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. Ph.D. (int. law & rels), Würzburg, 28; Univs. Paris & London, 33-35. Instr. comp. govt. & ed, City Col. New York & Brooklyn Col, 38-42; mem, U.S.S.R. & E. Europe, U.S. Off. War Info, 42-45; Dept. State, 45-47; Dept. Defense, 47-62; PROF. INT. AFFAIRS, GEORGE WASHINGTON & DIR. INST. SINO-SOVIET STUDIES, 62- Vis. prof, Denver, 40; hon. fel, Col. African Studies, Ibadan, 63; Reim Found. res. grant E. European studies, 66. Consult, U.S. Govt, 62-, cert. merit with distinction, 62; consult, Inst. Defense Anal, 64-; Honeywell Inc, 65- U.S.A.F.R., Lt. Col. Polit. Sci. Asn; Asn. Asian Studies; Asn. Adv. Slavic Studies. Changes of international relations due to the existence of communist-ruled states; rationale and organization of Soviet foreign policy; the background and development of Sino-Soviet relations. Publ: Ed, Eastern Europe in transition, 66 & The Soviet Union: fifty years of communism, 68, Hopkins; auth, The permanent crisis, rev. ed, Blaisdell, 68. Address: 600 Dorchester Rd, Falls Church, Va. 22046.
- LONDON, DR. PERRY, b. Omaha, Nebr, June 18, 31; m. c. 4. PSYCHOLOGY. B.A. Yeshiva Col, 52; M.A. Columbia, 53, U.S. Pub. Health fel, 53-54, Ph.D. (clin. psychol), 56. Assoc. psychol, Pacific Lutheran Col, 57-59; asst. prof, Illinois, 59-62; vis. assoc. prof, Stanford, 62-63; assoc. prof. psychol. & dir. psychol. center, SOUTHERN CALIFORNIA, 63-66, dir. clin. psychol. training prog, 64-66, PROF. PSYCHOL, PSYCHIAT, COL. MED. & U.S. PUB. HEALTH SERV. RES. SCIENTIST DEVELOP. FEL, 66- Psychol. consult, psychophysiol. stress sect, aerospace med. lab, Wright-Patterson AFB, 61. Med. Serv. C, U.S.A., 54-59, 1st Lt. Fel. Psychol. Asn; Int. Soc. Clin. & Exp. Hypnosis. Clinical psychology; personality; voluntary behavior; hypnosis. Publ: Children hypnotic susceptibility scale, Consult. Psychologists, 63; Modes and morals of psychotherapy, 64 & co-auth, Foundations of abnormal psychology, 68, Holt. Address: Dept. of Psychology, University of Southern California, University Park, Los Angeles, Calif. 90007.
- LONG, DR. BARBARA HENRY, b. Quakertown, Pa, May, 16, 23; m. 41; c. 5. SOCIAL PSYCHOLOGY. A.B. Washington Col, 57; M.A. Delaware, 60, Ph.D. (behav. sci), 63. Teacher, pub. schs, Md, 57-59; child develop, sch. ed, Delaware, 59-60, soc. psychol. res. fel, center res. soc. behav, 60-65; ASST. PROF. PSYCHOL, GOUCHER COL, 65- Am. Asn. Univ. Women fel, 63-64; Nat. Inst. Ment. Health res. fel, 64-65. Psychol. Asn; Ed. Res. Asn. Personality and cognitive processes of children, adolescents and adults; cross-cultural study of self concept. Publ: Development changes in the self concept during middle childhood, Merrill Palmer Quart, 67; Self-other orientations of Indian and American adolescents, J. Personality, in press; Self-social concepts of disadvantaged school beginners, J. Genetic Psychol, in press. Address: Dept. of Psychology, Goucher College, Baltimore, Md. 21204.
- LONG, DR. CHARLES JOSEPH, b. Caruthersville, Mo, Dec. 25, 35; m. 57; c. 5. PSYCHOLOGY. B.S. Memphis State, 60, M.A. 62; Ph.D. (psychol), Vanderbilt, 67. Instr. PSYCHOL, Memphis State, 62-63; ASST. PROF. Southern Illinois, 66-67; MEMPHIS STATE, 67- Adj. asst. prof, Southern Illinois, 67- AAAS. Publ: An inexpensive adjustable electrode for chronic implantation, Electroencephalog. Clin. Neurophysiol, 65; Reinforcing properties of odors for the albino rat, Psychonomic Sci, 67; An apparatus for the assessment of the reinforcing properties of odors, J. Exp. Anal. Behav, 1/68. Address: Dept. of Psychology, Memphis State University, Memphis, Tenn. 38111.
- LONG, PROF. CLARENCE D (ICKINSON), JR, b. South Bend, Ind, Dec. 11, 08; m. 37; c. 2. ECONOMICS. A.B. Washington & Jefferson Col, 32, fel, 32-33, A.M. 33; A.M. Princeton, 35, Sanxay fel, 35-36, Ph.D. 38. Instr. Wesleyan, 36-39, asst. prof, 40-41, assoc. prof, 41-45; econ, Hopkins, 46-47, prof, 47-; mem. res. staff, Nat. Bur. Econ. Res, 46-63; REP, U.S. CONG. & MEM, APPROPRIATIONS CMT, 63- Guggenheim fel, 41-43; mem, Inst. Adv. Study, 41-43, 46; vis. prof, Columbia, 53. Assoc. dir. task force statist. agencies fed. govt, Hoover Cmn, 48; mem. staff, Coun. Econ. Adv. to President Eisenhower, 53-54. Sr. labor specialist, War Prod. Bd, 42. U.S.N.R., 43-46, Lt. AAAS; Econ. Asn; Statist. Asn; Economet. Soc. Labor and general economics; statistics. Publ: Building cycles and the theory of investments; Labor force under changing income and employment in the U.S.; Wages and earnings in the United States, 1860-1890. Address: 1015 Boyce Ave, Ruxton, Md. 21204.
- LONG, PROF. DEAN, Econ, see 10th ed, Soc. & Behav. Vols.
- LONG, PROF. DON LEE, b. Caldwell, Ohio, Dec. 3, 26; m. 52. AGRICULTURAL ECONOMICS, MARKETING. B.S. Ohio State, 50; M.S. Cornell, 52, Ph.D. (agr. econ), 54. Instr. agr. mkt, agr. exten, Cornell, 54; asst. prof. consumer econ, Ohio State, 54-59; assoc. prof, Va. Polytech. Inst, 59-62; mkt. specialist, U.S. Dept. Agr, 62-63; ASSOC. PROF. CONSUMER ECON, AGR. EXTEN, VA. POLYTECH. INST, 63- U.S.A., 45-47, Sgt. Agr. Econ. Asn. Agricultural extension work in consumer attitudes, acceptance, preference and behavior, as they affect the marketing of agricultural products; working chiefly with consumers, mass media and officials of individual marketing forms. Publ: Consumer shopping survey; Labels tell the inside story; Store image survey. Address: Dept. of Agricultural Economics, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- LONG, DR. ERNEST S (TANLEY), b. Bedford, Ohio, Aug. 16, 29; m. 55. CLINICAL PSYCHOLOGY. A.B. Western Reserve, 52, Ph.D. (clin. psychol), 58. Voc. counsr. psychol. res. servs, Western Reserve, 56; trainee clin. psychol, U.S. Vet. Admin, 53-57; res. assoc. psychol, Western Reserve, 57-58, dir. res. ment. health manpower res, 58-62; dir. counseling, Case Inst. Tech, 62-64; COUNSR-PSYCHOLOGIST & ASSOC. PROF, CUYAHOGA COMMUNITY COL, 64- Private practice, 61- Nat. Inst. Ment. Health res. grant, 58-61. Psychol. Asn; Acad. Psychother; Soc. Sci. Study Sex. Psychotherapy, individual, family and group; counseling with college students. Publ: Determinants of career choice in psychiatric nursing. Address: 2880 Edgemoor Rd, Cleveland Heights, Ohio 44118.
- LONG, DR. H. OWEN, b. Decatur, Tenn, Mar. 6, 21; m. 51; c. 2. ECONOMICS. B.A. Maryville Col. (Tenn), 43; M.S. Tennessee, 46; Ph.D. Peabody Col, 52. Assoc. prof. econ, Carson-Newman Col, 47-48; asst. prof. soc. sci, Maryville Col. (Tenn), 48-50; asst. prof. econ. & registr, Ky. Wesleyan Col, 51-58, prof. econ. & bus. & head dept, 58-60; prof. econ. & registr, Evansville Col, 60-62; ASSOC. PROF. BUS. ADMIN. & ECON. & HEAD DEPT, PENSACOLA JR. COL, 62- Adj. prof, Fla. State, 65-66. Consult, Owensboro Nat. Bank, 58-59. U.S.A., 42-45. Econ. Asn; Finance Asn. Educational administration; behavior of the business cycle, building a local business index. Publ: A Proposed college curriculum, Ed. Forum, 54; Acceptance of certain transfer credits by American colleges and universities, Col. & Univ, 63; Law in a business environment, Am. Bus. Law J, 63. Address: Dept. of Business Administration, Pensacola Junior College, Pensacola, Fla. 32504.
- LONG, PROF. HARRIET RUTH, b. Buffalo, N.Y, Jan. 23, 13. GEOGRAPHY. B.S. State Univ. N.Y. Teachers Col. (Buffalo), 33; M.A. Clark, 41, fel, 53-54, Ph.D. 55. Asst. prof. geog, Miss. State Col. Women, 43-44, 46-48, assoc. prof, 48-49; geog. ed, Ginn & Co, 49-53; from assoc. prof. to PROF. GEOG. & CHMN. DEPT. GEOG. EARTH SCI, EDINBORO STATE COL, 55-, dir.

liberal arts prog, 62-67. Mem. Int. Geog. Union; exec. bd, Nat. Coun. Geog. Ed, 60-64, chmn. planning cmt, 62-65. U.S.N.R, 44-46, Lt. Comdr. Asn. Am. Geog. Soc; Coun. Geog. Ed; Soc. Woman Geog. Urban Europe and Southeast Asia. Publ: Geographer's role in aerial photo interpretation, In: Professional geographer. Address: Walnut St, Lakeside, Edinboro, Pa. 16412.

LONG, PRES. HERMAN H(ODGE), b. Birmingham, Ala, May 2, 12; m. 38; c. 1. SOCIAL PSYCHOLOGY. A.B. Talladega Col, 35; A.M., Hartford Sem. Found, 36; Gen. Ed. Bd. fel, Michigan, 39-41, Rosenwald Fund fel, 42-43, Ph.D., 49; univ. fel, Fisk, 41-42. Instr. psychol. & dir. summer sch, Miles Col, 36-39; field rep. & supvr, race rels. dept, Am. Missionary Asn, 43-46, assoc. dir, 46, dir, 47-64; PRES, TALLADEGA COL, 64- Mem. bd, South. Fels. Fund, 66-; Carnegie Found. Adv. Teaching, 67-; cmn. col. & soc, Am. Coun. Ed, 67- AAAS; Psychol. Asn; fel. Sociol. Asn; Soc. Appl. Anthropol. Group differences in personality; sensitivity response patterns of Negro and white groups to anger-producing social stimuli; people versus property. Publ: Race relations in the United States, In: Colored immigrants in Britain; Community research and intergroup adjustment, In: Race relations problems and theory. Address: Talladega College, Talladega, Ala. 35160.

LONG, PROF. HOWARD, Journalism, see 5th ed, Dir. Am. Scholars,*Vol. II, Eng, Speech & Drama.

LONG, DR. J(AMES) ALAN, b. Toronto, Ont, Jan. 1, 25; m. 49; c. 4. CLINICAL PSYCHOLOGY. B.A. Toronto, 48, M.A., 52; Ph.D., La. State, 59. Clin. psychologist, Shadow Brook Health Found, Willowdale, Ont, 49-54; clin. asst, psychol. dept. & dept. speech & hearing, La. State, 54-55; fel. clin. psychol, Southeast La. Hosp, Mandeville, 55-57, dir. psychol. res. 59-60, chief psychologist, 60-61; sr. psychologist, Eval. Center Except. Children, New Orleans, 57-59; asst. prof. clin. psychol, sch. med, Tulane, 61-66; DIR. CLIN. PROG, DUNWOOD FOUND, TORONTO, 66- Psychologist, Alcoholism Res. Found, Toronto, 50-54; spec. lectr, dept. psychol, Univ. Toronto, 66- Consult, Univ. Toronto, 49-52; Charity Hosp, New Orleans, La, 59-66; Alcoholism Treatment & Diag. Center, 61-66; Southeast La. Hosp, Mandeville, 61-66. Can. Army, 44-45. Group Psychother. Asn; Psychol. Asn. Treatment of addictions; methods of clinical trials with psychotropic drugs and psychotherapeutic techniques; study of intellectual impairment of chronic alcoholics. Publ: Co-auth, Relationships between the fingerpaintings and overt behavior of schizophrenics, J. Proj. Tech. Address: 99 Sylvan Ave, Scarborough, Ont, Can.

LONG, PROF. JOHN DOUGLAS, b. Ky, July 21, 20; m. 52; c. 1. ECONOMICS. B.S. Kentucky, 42; M.B.A. Harvard, 47; D.B.A. Indiana, 54. Instr. econ, DePauw, 47; bus, INDIANA, 48-54, asst. prof. INS, 54-56, assoc. prof, 56-59, PROF, 59- Consult. Mem. admin. bd, S.S. Huebner Found. Ins. Ed, Inc, 65-; exam. cmt, Am. Inst. Property & Liability Ins, Inc, 66- U.S.A., 43-46, 51-53, Capt. Study of long-range future of institution of private insurance. Publ: Co-ed, Property and liability insurance handbook, Irwin, 65; auth, Methods of agency continuation; Insurance theory. Address: School of Business, Indiana University, Bloomington, Ind. 47401.

LONG, PROF. JOHN M(ARSHALL), Biomet, see 11th ed, Phys. & Biol. Vols.

LONG, DR. LILLIAN D(ICK), b. Bloomfield, N.J., May 5, 14; m. 35; c. 1. PSYCHOLOGY. B.A. Columbia, 35, Ph.D.(psychol), 41. Jr. personnel technician, Soc. Security Bd, D.C., 41; sr. personnel technician, Coordinator of Info, N.Y., 41-43; from head merit syst. serv. to DIR. PRFNL. EXAM. SERV, AM. PUB. HEALTH ASN, 43- Dipl. Am. Bd. Exam. Prfnl. Psychol. AAAS; Pub. Health Asn; fel. Psychol. Asn. Evaluation of professional health personnel; test development. Address: American Public Health Association, 1740 Broadway, New York, N.Y. 10019.

LONG, DR. LOUIS, b. Atlanta, Tex, Aug. 25, 11; m. 35; c. 1. PSYCHOLOGY. B.A. Tulane, 33, M.A., 34; Ph.D.(psychol), Columbia, 37. Asst. psychol, Columbia, 36-37, pediat, 37-38, instr, 38-41, psychol, univ. exten, 39-41, 48-55; student personnel bur, CITY COL. NEW YORK, 41-45, consult, star unit, army specialized training prog, 43-44, adv. voc. adv. unit, 44-46, dir, 46-52, asst. prof, dept. student life, 46-49, assoc. prof, 50-53, prof, 54-67, chmn. dept. student serv, 61-67, PROF. STUDENT SERV, ASSOC. DEAN STUDENTS & HEAD DIV. EVAL. RES. & TESTING, 67-, dir. testing & guid. Div, 46-60. Instr, Hunter Col, 40-41, 45; vis. prof, Teachers Col, Columbia Univ. Team in India, 61-62, group leader & assoc. dir, Columbia Univ. Eng. Mgt. Workshops, 61-65. Consult, John R. Martin Assocs, 53-60; Nordli Wilson Assoc, 64- AAAS; fel. Psychol. Asn; Personnel & Guid. Asn. Tests and measurements; predictive value of tests; effectiveness of counseling; institutional research. Publ: Co-ed, First ment. measurement handbook for India, Nat. Coun. Ed. Res. & Training, New Delhi, 66; co-auth, An investigation of the effectiveness of vocational guidance, Ed. & Psychol. Measurement, 54; auth, Testing in India, J. Ed. & Psychol. India, 62. Address: Dept. of Student Personnel Services, City College of New York, New York, N.Y. 10031.

LONG, DR. L(UTHER) CRAIG, b. Wilkesburg, Pa, Apr. 17, 04; m. 47; c. 3. PSYCHOLOGY. B.S. Pittsburgh, 26; Th.B. Princeton, 29; M.A. Columbia, 40; Ph.D.(psychol), N.Y. Univ, 44. Psychologist, Army-Navy Induction Center, N.Y., 44-45; U.S. Pub. Health Serv, 45-46; dir. psychol. servs, Mitchell Col, 46-49; State Child Guid. Clin, Miami, Fla, 50-52; consult, State Tuberc. Cmn. Reformatory for Girls & Prison Farm for Women, Conn, 53-54; dir. psychol. serv, State Farm Colony, Fla, 54-56; Selinsgrove State Sch, Pa, 56-62; DIR. PSYCHOL, DANVILLE STATE HOSP, 62- Private practice, 56- Guest lectr, continuing ed, Pa. State, 56-; lectr, Bucknell, 59- Psychologist, Geisinger Mem. Hosp, Danville, 57- Consult, Bur. Voc. Rehab, 56- Psychol. Asn; Asn. Ment. Deficiency; Rehab. Asn. Personality adjustment of children. Address: 406 University Ave, Selinsgrove, Pa. 17870.

LONG, DR. MELVIN DURWARD, U.S. Hist. & Polit, see 5th ed, Dir.⁶ Am. Scholars, Vol. I, Hist.

LONG, DR. MILLARD F(ILLMORE), b. Wilkes-Barre, Pa, Nov. 5, 33; m. 60; c. 3. ECONOMICS. B.A. Harvard, 55; M.A. Chicago, 57, Ph.D., 61. Mem.

staff, Nixon Cmt. Price Stability & Econ. Growth, D.C., 59-60; asst. prof. econ, Vanderbilt, 60-64; dir. for. students screening proj, Am. Econ. Asn, 64-65; ADV. TO PAKISTAN, HARVARD DEVELOP. ADV. SERV, 67- Assoc. prof, grad. sch. bus, Chicago, 65- Econ. Asn. Public finance; health economics; agricultural credit; development and planning. Address: Harvard Advisory Group, Box 255, Rawalpindi, Pakistan.

LONG, PROF. NATHANIEL T(URNER), JR, b. Danville, Va, Oct. 11, 20; m. 45; c. 1. SOCIOLOGY. B.A. David Lipscomb Col, 49; M.A. Vanderbilt, 52; Ed.D.(sociol), Peabody Col, 61. Asst. instr. sociol. & hist, DAVID LIPSCOMB COL, 50-53, instr, 53-56, asst. prof. SOCIOL, 56-61, assoc. prof, 61-65, PROF, 65- Med. Admin.C, U.S.A., 42-45. Sociol. Asn; Anthropol. Asn. History; causes and effects of divorce; adolescents' attitudes toward family authority; sociology of education; human ecology. Publ: Study of divorce in Davidson County, Tennessee, 1946-1960. Address: Dept. of Sociology, David Lipscomb College, Nashville, Tenn. 37203.

LONG, DR. NEAL BASIL, JR, b. Plymouth, Ind, Dec. 7, 36; m. 59; c. 2. ECONOMIC. A.B. Indiana, 59, fel. & Ph.D.(econ), 64; M.A. North Carolina, 60. ASST. PROF. ECON, Colorado, 63-64; Ohio, 64-65; INDIANA, SOUTH BEND, 65- AAAS; Econ. Asn. The use of input-output methodology to conduct inter-county comparisons, especially comparing the United States and the Soviet Union. Address: Dept. of Economics, Indiana University, South Bend-Mishawaka Campus, South Bend, Ind. 46615.

LONG, PROF. NORTON E, b. Cambridge, Mass, Nov. 29, 10; m. 37; c. 4. POLITICAL SCIENCE. A.B. Harvard, 32, M.A., 33, Ph.D.(polit. sci), 37. Instr. polit. sci, Harvard, 35-39; asst. prof, Mt. Holyoke Col, 39-40; instr, Queens Col (N.Y.), 40-42; vis. prof, Obrelin Col, Michigan & Texas, 42-47; prof, Western Reserve, 47-55; Mich. State, 55-57; vis. prof. & res. assoc, grad. sch. pub. admin, Harvard, 57-58; prof. polit. sci, Northwestern, 58-65, dir. ed, transportation center, 59-65; GORDON PROF. COMMUNITY GOVT. & CHMN. DEPT. POLIT, BRANDEIS, 65- Prof. polit. sci, Illinois, 68. Asst. to adminstr. Off. Price Admin, 42-47; asst. adminstr. Nat. Housing Admin, 42-47. Consult, Defense Prod. Admin, 42-47. Polit. Sci. Asn; Soc. Pub. Admin; Int. Polit. Sci. Asn. Public administration; community organization; political parties; electoral behavior; political theory. Address: Dept. of Politics, Brandeis University, Waltham, Mass. 02154.

LONG, MAJ. RALPH S(TEWART), JR, U.S.A.F, b. Pittsburgh, Pa, Feb. 23, 26; m. 51; c. 3. CLINICAL PSYCHOLOGY. B.S. Lock Haven State Col, 50; M.Ed, Pa. State, 51; fel, Air Force Inst. Tech; fel, Washington (St. Louis), 57-61, Am. Psychiat. Asn. grant, 60, Ph.D.(clin. psychol), 65. Clin. asst. speech path, Pa. State, 50-51; MED. SERV. CORPS, U.S. AIR FORCE, 51-, clin. psychologist, hosp, Sampson Air Force Base, N.Y., 51-54, chief clin. psychol. sect, 54-56, Warren Air Force Base, Wyo, 56-57, clin. intern, St. Louis State Hosp, Mo, 59-60, dir. remotivation, 60-61, chief clin. psychol. sect, Hosp, Andrews Air Force Base, 61-62, Scott Air Force Base, 62, instr, McKendree Col, 62-63, Southern Illinois, 62-64, CHIEF PSYCHOL. SERV, HOSP, Sheppard Air Force Base, 65-67, WIESBADEN, GERMANY, 67- Res. consult, St. Louis State Hosp, Mo, 61-65; remotivation res. consult, St. Elizabeth's Hosp, Wash, D.C., 61-62; consult, N.Tex. Ment. Health Clin, 65-67; clin. consult, Ment. Hyg. Clin, Ft. Sill, Okla. & Wichita Falls State Hosp, Tex, 65-67. Commendation medal, U.S. Air Force, 61. U.S.N., 44-46. AAAS; Psychol. Asn; Speech & Hearing Asn; Soc. Group Psychother. & Psychodrama; Soc. Air Force Psychol.(exec. secy, 65-66, pres, 67-68). Psychodrama; sociodrama; marriage and family therapy. Publ: Remotivation: fact or artifact, Ment. Hosps, 6/62; Self/other problem perception—its role in marital conflict, 1/65 & Group psychotherapy with tuberculosis patients, 1/66, Sch. Aerospace Med. Address: U.S.A.F. Hospital Box 535, APO New York 09220.

LONG, DR. ROBERT FRANCIS, b. Minneapolis, Minn, Sept. 22, 20; m. 53; c. 1. CLINICAL PSYCHOLOGY. B.A. Col. St. Thomas, 48; M.A. Minnesota, 50; Ph.D.(psychol), Kentucky, 57. Staff psychologist, St. Peter State Hosp, St. Peter, Minn, 51-54; U.S. Pub. Health Serv. Hosp, Lexington, Ky, 54-57; CHIEF PSYCHOLOGIST, ST. PETER STATE HOSP, 57- Instr, Gustavus Adolphus Col, 59-66, Mankato State Col, 67. Private practice, 59- U.S.A., 44-46, 2nd Lt. Psychol. Asn; Soc. Clin. Hypnosis. Clinical research on effects of drugs on psychopathological behavior, on effects of hypnosis in modifying various psychological and somatic problems and on characteristics and follow up of sex offenders. Publ: Co-auth, Effect of procaine on orientation, memory, and weight of aged psychiatric patients, J. Neuropsychiat, 64. Address: Dept. of Psychology, St. Peter State Hospital, St. Peter, Minn. 56082.

LONG, PROF. ROBERT G(RANT), b. Crystal Falls, Mich, Dec. 19, 18; m. 43; c. 2. GEOGRAPHY. B.A. Michigan, 41; M.A. Syracuse, 43; Soc. Sci. Res. Coun. fel, Brazil, 48; Ph.D.(geog), Northwestern, 49. Asst, Syracuse, 43; geogr. bd. geog. names, U.S. Dept. Interior, 43-44; asst. Northwestern, 48-49; from asst. prof. to assoc. prof. GEOG, TENNESSEE, 49-66, PROF, 66-, ACTING HEAD DEPT, 67- U.S.N.R, 44-46, Lt. Asn. Am. Geog. Nat. Coun. Geog. Ed. Regional geography of South America. Publ: Volta Redonda, symbol of maturity in Brazilian progress, Econ. Geog; Valley of Middle Paraíba, Brazilian Rev. Geog; Latin America, In: Compton's pictured encyclopedia, Compton, 63. Address: 138 Sunrise Dr, Knoxville, Tenn. 37919.

LONG, DR. ROBERT JAMES, b. Little Rock, Ark, July 27, 36; m. 59; c. 1. ECONOMICS. B.B.A. Mississippi, 59, M.A., 60, Ph.D.(econ), 64; Arkansas, 60-61. ASST. PROF. ECON, Northeast La. State Col, 64-66; MISSISSIPPI, 66- Price theory. Publ: A note on the theory of rent determination, Ozark Econ. Asn, 66; The demand for the output of the firm under conditions of oligopoly, Acad. Miss. Economists, 67. Address: Dept. of Economics & Business Administration, University of Mississippi School of Business & Government, University, Miss. 38677.

LONG, DR. ROGER B, b. Minneapolis, Minn, Feb. 19, 34; m. 59; c. 4. AGRICULTURAL ECONOMICS. B.S. Minnesota, 55, M.F. 59, Ph.D.(agr. econ), 63. Forester, Chicago & Northwest Rwy. Co, 58-60; res. asst. AGR. ECON, Minnesota, 60-63; asst. prof, New Mexico State, 63-66; ASSOC. PROF, IDAHO, 66- U.S.A.F, 55-57, Capt. Agr. Econ. Asn; Econ. Asn. Water re-

source and forest economics research. Address: Dept. of Agricultural Economics, University of Idaho, Moscow, Idaho 83843.

LONG, DR. ROY C (LEVELAND), b. Birmingham, Ala., Sept. 1, 18; m. 44; c. 4. CLINICAL & PHYSIOLOGICAL PSYCHOLOGY. B.A. Vanderbilt, 48, M.A. 51; Ph.D. (clin. psychol., physiol.), Texas, 60. Chemist, Tenn. Valley Authority, Nashville, 48-49; staff psychologist, Columbus State Hosp., Ohio, 51-53; intern clin. psychol., Vet. Admin. Hosps. & Ment. Hyg. Clin., Tex., 54-59; clin. psychologist, Vet. Admin. Hosp., 59-62; staff psychologist, Hertzler Clin., Halstead Kans., 62-66; CONSULT. PSYCHOLOGIST, ROHRER, HIBLER & REPGLOE, DALLAS, 66- Child psychologist, Austin State Sch., 56-58; Vet. Admin. & Sci. Info. Exchange res. grant, 62-63. Consult, State Sch. Blind, Deaf & Orphans, Austin, 56. U.S.N., 42-45. Psychol. Asn; Sci. Res. Soc. Am. Publ: Praise and censure as motivating variables upon the motor performance and learning of schizophrenics, J. Abnorm. & Soc. Psychol.; The path toward psychodrama family process, Group Psychother., 3-6/66; Electro-sleep therapy, J. Kans. Med. Soc., 66. Address: 1200 Lane St., Irving, Tex. 75060.

LONG, DR. THEODORE DIXON, b. Youngstown, Ohio, June 26, 33; m. 62; c. 2. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A., Amherst Col., 55; M.A., Fletcher Sch. Law, 58; Nat. Defense Ed. Act fel. & Ph.D. (polit. sci.), Columbia, 68. Exec. asst. admin. & editing, Am. Univ. Field Staff, 60-61; staff mem. sci. policy, Orgn. Econ. Coop. & Develop., 64-67; ASST. PROF. POLIT. SCI., CASE WESTERN RESERVE, 67- U.S.A., 55-57. AAAS; Acad. Polit. & Soc. Sci.; Asn. Asian Studies; Int. Studies Asn. Japanese policy for scientific research and development; national science policies of industrial nations; international scientific and technological relations. Publ: Development of modern science policy in Japan, Deans Papers, 65 & Columbia Univ., 66; co-auth, Reviews of national science policy: Japan, Orgn. Econ. Coop. & Develop., 67; Science and government in Japan, Svensk Naturvetenskap, 67. Address: Division of Special Interdisciplinary Studies, Case Western Reserve University, Cleveland, Ohio 44106.

LONG, DR. THOMAS E, b. Bedford, Ind., July 27, 32; m. 56; c. 5. CLINICAL PSYCHOLOGY. A.B., Indiana, 55; Ph.D. (psychol.), Tennessee, 62. Chief clin. psychologist, Coastal Plain Ment. Health Center, 62-65; ASSOC. PROF. PSYCHOL., EAST CAROLINA, 65- U.S.A.F., 55-57, 1st Lt. Hypnotizability correlates; projective test validation; stimulus deprivation. Publ: Co-auth, Qualitative changes in verbal response as a function of stimulus deprivation, J. Clin. Psychol., 63; auth, Some early-life stimulus correlates of hypnotizability, Int. J. Clin. & Exp. Hypnosis, 1/68. Address: Dept. of Psychology, East Carolina University, Greenville, N.C. 27834.

LONG, DR. WESLEY HOWARD, b. Boston, Mass., May 6, 32; m. 57; c. 2. ECONOMICS. B.A., Michigan, 59, M.A. 61, fel., 61-62, Ph.D. (econ), 66. Asst. prof. econ, Bowdoin Col., 63-66, acting dir. regional econ. center econ. res., 65-66; ASST. PROF. ECON. & RES. ECONOMIST REGIONAL ECON. INST. RES. LAND & WATER RESOURCES, PA. STATE, 66- U.S.N., 52-56. Econ. Asn; Regional Sci. Asn. Econometrics; regional economics; economic theory; transportation economics. Publ: Co-auth, An annotated bibliography of county economic information for Pennsylvania, Pa. State Univ., 67; auth, City characteristics and the demand for interurban air travel, Land Econ., 68; Problems with turnpike traffic indexes: construction and forecasting, Traffic Quart., 68. Address: Dept. of Economics, Pennsylvania State University, University Park, Pa. 16802.

LONG, DR. WILLIAM F (RANCIS), b. South Bend, Ind., Mar. 31, 21; m. 44; c. 3. PSYCHOLOGY. B.S., Purdue, 42, M.S., 47, Ph.D. (psychol.), 51. Chief proficiency measurement br., aircraft observer res. lab, U.S. Air Force, 49-51, dep. dir. personnel res. lab, Personnel & Training Res. Center, 51-55, asst. chief of staff, 55-56, chief personnel br., human factors div, Air Res. & Develop. Command, 56-57, dir. admissions, U.S. Air Force Acad., 57-62, chief personnel eval. br., career develop. div, dir. personnel planning, hqs., 62-63, chief Air Force Acad. activities group, directorate training & ed, hqs., 63-66, prof. aerospace studies, Air Force Reserve Officer Training Corps, Occidental Col., 66-67; COORDINATOR FINANCIAL AIDS, CALIF. STATE COL. LOS ANGELES, 67- U.S.A.F., 42-67, Lt. Col. Personnel & Guid. Asn; Col. Personnel Asn. College student affairs, institutional research, governance and administration. Publ: Job preference survey for industrial applicants, J. Appl. Psychol.; co-auth, Development of a method for increasing the utility of multiple correlations, Psychometrika; contrib, Psychology of industrial relations, McGraw. Address: California State College at Los Angeles, 5151 State College Dr., Los Angeles, Calif. 90032.

LONGABAUGH, DR. RICHARD H, b. Cook Co., Ill., Feb. 21, 35; m. 61; c. 3. PSYCHOLOGY, SOCIOLOGY. A.B., Dartmouth Col., 57; M.A.T., Harvard, 58, Nat. Inst. Ment. Health trainee, 58-60, Ed.D. (human develop), 62. Res. assoc. human develop, Harvard, 61-62, instr., 62-63; asst. prof. child develop. & family rels. & res. assoc., Cornell, 63-64, asst. prof. psychol. & sociol., 63-67; ASSOC. SOC. PSYCHOL., HARVARD MED. SCH., 67-; CHIEF SOC. SCI. DEPT., McLEAN HOSP., 68-, acting chief, 67-68. Prin. investr, coop. res. prog., U.S. Off. Ed. Proj., 64-66. Psychol. Asn; Sociol. Asn. Interpersonal interaction; socialization; mental illness; symbolic interaction; institutions; group dynamics; social exchange; observational methodology; social psychology; culture and personality. Publ: A category system for coding interpersonal behavior as social exchange, 63 & The structure of interpersonal behavior, 66, Sociometry; The international world of the chronic schizophrenic patient, Psychiatry, 66. Address: McLean Hospital, Belmont, Mass. 02178.

LONGACRE, DR. WILLIAM A (TLAS), II, b. Hancock, Mich., Dec. 16, 37. ANTHROPOLOGY. A.B., Illinois, 59; Woodrow Wilson fells, Chicago, 59-61 & 63, univ. fel., 61-62, M.A., 62, Ph.D. (anthrop.), 63. Field asst. ANTHROP., Field Natural Hist. Mus., Chicago, Ill., 59-61, res. asst., 61-64, vis. asst. prof., Illinois, 64; ASST. PROF., ARIZONA, 64-, DIR., ARCHAEOLOG. FIELD SCH., 66- AAAS; Anthropol. Asn; Soc. Archaeol. Archaeological method and theory; new world prehistory; American southwest; changing patterns of social organization and evolution of cultural systems. Publ: Archeology as anthropology: a case study, Sci., 64; Changing patterns of social integration: a prehistoric example from the American southwest, Am. Anthropologist,

66; co-auth, chaps. In: Prehistory of Eastern Arizona, III. Fieldiana; Anthropol., 67. Address: Dept. of Anthropology, University of Arizona, Tucson, Ariz. 85721.

LONGENECKER, DR. E (ARL) DONALD, Psychol., see 10th ed, Soc. & Behav. Vols.

LONGENECKER, PROF. JUSTIN GOODERL, b. Jackson Co., Kans., May 4, 17; m. 42; c. 3. BUSINESS MANAGEMENT. B.A., Seattle Pac. Col., 39; M.B.A., Ohio State, 50; D.B.A., Washington (Seattle), 56. Admin. officer, U.S. Dept. Air Force, 41-50; instr. bus. admin., West. Wash. Col. Ed., 51-53; PROF. MGT., BAYLOR, 55- Mem. adv. bus. test. cmt., Ed. Testing Serv., 65-68. Acad. Mgt. Organization behavior; human relations; personnel management. Publ: Principles of management and organizational behavior, C.E. Merrill, 64; co-auth, Small business management, South-Western Pub., 66. Address: Dept. of Management, Baylor University, Waco, Tex. 76703.

LONGEST, DR. JAMES W (ILLIAM), b. English, Ind., Feb. 3, 24; m. 51; c. 2. SOCIOLOGY. B.S., Illinois, 51, M.S., 53; Ph.D. (rural sociol.), Cornell, 57. Asst. prof. RURAL SOCIOLOGY, Cornell, 57-60, ASSOC. PROF., 61-67; MARYLAND, 67- U.S.N., 43-45, Lt. (jg). Rural Sociol. Soc.; Sociol. Asn. Leadership and social interaction patterns in formal organizations; the impact of cultural values on interaction in organizations and communities. Publ: Group formation for teaching, J. Coop. Exten., 11/64; co-auth, The function of the neighborhood in the farm and home management program, a case study, Rural Sociol., 6/61; auth, Organizational structure for program development with emphasis on community resource development, Proc. Prog. Bldg. Seminar, Tex. Agr. Exten. Serv., 66. Address: 136 Symons Hall, University of Maryland, College Park, Md. 20742.

LONGINI, ARTHUR, Econ., see 10th ed, Soc. & Behav. Vols.

LONGLEY, JAMES L (AWRENCE), b. Detroit, Mich., Sept. 13, 18; m. 43; c. 3. PSYCHOLOGY. B.S., Coll. William & Mary, 42; M.S.W., Michigan, 48; Wayne State, 48-52. Asst. personnel res., DETROIT EDISON CO., 43-46, psychol. res., 46-49, COUNSELING PSYCHOLOGIST, 49- Private practice, 55- Psychol. Asn; Personnel & Guid. Asn; Soc. Proj. Tech. Psychological evaluation and prediction of behavior of socially and emotionally disturbed adults; application of projective techniques to non-psychotic adults; counseling and psychotherapy with non-psychotic adults; mental health in industrial groups. Address: Industrial Psychology Division, Detroit Edison Co., 2000 Second Ave., Detroit, Mich. 48226.

LONGO, DR. NICHOLAS, b. Maida, Italy, Dec. 16, 28; U.S. citizen; m. 56; c. 2. PSYCHOLOGY. B.A., Hopkins, 52; Ph.D. (exp. psychol.), Bryn Mawr Col., 62. Res. psychologist, Pa. Hosp., 57-58; sr. res. asst. PSYCHOL., Bryn Mawr Col., 58-62; ASSOC. PROF., COLGATE, 62- Nat. Inst. Ment. Health res. grants, 62-63, 64-; Wallace Lab. res. grant, 65-67; Fulbright fel., Düsseldorf, 68-69. Med.C., U.S.A., 53-55. AAAS; Psychol. Asn. Phylogentic comparisons of learning processes in lower animals. Publ: Co-auth, The effect of partial reinforcement with spaced practice in resistance to extinction in the fish, 53:169-172 & Classical conditioning in the fish: exploratory studies of partial reinforcement, 54:452-456, J. Comp. Physiol. Psychol.; auth, Habit reversal and probability learning in the cockroach, Am. J. Psychol., 77:29-41. Address: Dept. of Psychology, Colgate University, Hamilton, N.Y. 13346.

LONGSTAFF, PROF. H (OWARD) P (ORTER), Psychol., see 10th ed, Soc. & Behav. Vols., deceased 67.

LONGSTREET, PROF. J (AMES) R (UBERT), b. Daytona Beach, Fla., Apr. 25; m. 48; c. 3. FINANCE. B.A., Antioch Col., 49; M.B.A., Northwestern, 50, Newton fel., 53, Ph.D., 56. Asst. prof. finance, California, 53-61; res. assoc. investments, Wharton Sch. Finance, Pennsylvania, 61-67; PROF. FINANCE & CHMN. DEPT., SOUTH FLORIDA, 67- Consult, Securities Exchange Cmn., 56. Econ. Asn; Finance Asn; Asn. Bus. Econ. Corporation finance; investments; capital markets; consumer credit. Publ: Cases in financial management; co-auth, Investment banking and the new issues market, World, 67; Capital structure of consumer finance companies. Address: University of South Florida, College of Business Administration, Tampa, Fla. 33620.

LONGSTREET, VICTOR M (ENDELL), b. Louisville, Ky., Jan. 1, 07; m. 30; c. 1. ECONOMICS. S.B., Harvard, 30. Economist, Am. Tel. & Tel. Co., 30-31; int. finance, Fed. Reserve Bd., 31-38, sr. economist, 38-42; asst. chief, div. financial affairs, U.S. Dept. State, 45-46, assoc. chief, div. investment & econ. develop., 47-48; prog. rev. officer, spec. mission to Netherlands, Econ. Coop. Admin., 48-49; dep. to sr. U.S. Rep. defence financial cmt., NATO, Eng., 50-51; dep. dir. finance & trade div., Off. Spec. Rep. Econ. Coop. Admin., 51-52; asst. v.pres., Fed. Reserve Bank of St. Louis, 53, v.pres. & bank mgr., Ky. Br., 53-57; dir. mgt. res., Schering Corp., 57-62; asst. secy. Navy & controller financial mgt., Navy Dept., 62-65; EXEC. DIR. MGT. CONSULT. INT. MGT. & MKT. GROUP, 66-; EXEC. ASSOC. DUNLAP & ASSOCs., 66- U.S. observer, Spec. Cmt. European Payments Eng., 48. Consult, Navy Dept., 66. Meritorious civilian citation, U.S. Navy, 65. U.S.A.A.F., 42-45, Lt. Col. Econ. Asn. Economics; behavioral sciences as applied to business management. Publ: Management research and development; co-auth, Banking studies & Statistical activities of the American nations. Address: Truro, Mass. 02666.

LONGSTRETH, DR. LANGDON E, b. Elma, Iowa, Dec. 16, 31; m. 54; c. 3. EXPERIMENTAL & CHILD PSYCHOLOGY. B.S., Northwestern, 54; M.A., Iowa, 56, Ph.D., 57. Instr. PSYCHOL., SOUTHERN CALIFORNIA, 57-59, asst. prof., 59-62, ASSOC. PROF., 62-, RES. ASSOC., YOUTH STUDIES CENTER, 58- Kennedy vis. res. prof. George Peabody Col., 64-65; res. prof., Hawaii, 67-68. Psychol. Asn; Soc. Res. Child Develop. Learning and motivation in children and rats. Publ: Psychological development in children, Ronald, 68; Relationship between expectations and frustration of the child, Child Develop., 60; Frustration and secondary reinforcement concepts in human conditioning, Psychol. Monogr., 67. Address: 7811 Westlawn Ave., Los Angeles, Calif. 90045.

- LONGWORTH, PROF. DONALD S(HERMAN), b. Rawson, Ohio, Apr. 26, 20; m. 43; c. 4. SOCIOLOGY. B.S., Bowling Green State Univ, 43, M.A. 46; Iowa, 43-44; Ph.D. Ohio State, 52. From asst. prof. to assoc. prof. sociol., Bowling Green State Univ, 49-66, chmn. dept, 59-66; PROF. HOME & FAMILY SOCIOL. TEX. TECH. COL. 66- Summer, vis. prof. Western Michigan, 56- Consult. to res. sect. & reporter in soc. change sect, Int. Cong. on Family Rels, New Delhi, India, 66. Rep. White House Conf. Youth, 60; chmn. Nat. Coun. Family Rels, 57-58. U.S.A. 43-46, Sgt. Sociol. Asn. Construction of a scale to measure the disposition for sharing; two methods of teaching family courses to determine the most practical manner of giving students greater responsibility in the teaching process. Publ: Critique of attempts to evaluate marriage teaching, Marriage & Family Living; Use of a questionnaire, Am. Soc. Rev; Consumer problems of married people, In: Marriage; an examination of the man-woman relationship, Wiley, 62. Address: Dept. of Home & Family, Texas Technological College, Lubbock, Tex. 79409.
- LONGYEAR, PROF. JOHN M(UNRO), III, b. Houghton, Mich, July 30, 14; m. 37; c. 2. ANTHROPOLOGY. A.B. Cornell, 36; Ph.D.(anthrop), Harvard, 40. Assoc. div. hist. res. Carnegie Instn, Guatemala & Honduras, 38-48; asst. prof. ANTHROP. COLGATE, 48-54, assoc. prof, 54-62, PROF, 62- Fel. Peabody Mus, Harvard, 40-48; Inst. Andean Res, El Salvador, 41-42; staff mem. & asst. sect. head, radiation lab, Mass. Inst. Tech, 43-45; Owens fel, Harvard, 47-48; N.Y. State faculty for area fel, 66-67. Civilian with Off. Sci. Res. & Develop. Fel. AAAS; fel. Am. Anthropol. Soc. Archaeol; Asn. Latin Am. Studies; Mex. Anthropol. Soc. Archaeology of the Maya southeastern frontier; ethnography of the American Indian; physical anthropology. Publ: Archaeological investigations in El Salvador; Copan ceramics; An archaeological survey of El Salvador, Handbook of middle American Indians, Vol. 4, 66. Address: Colgate University, Hamilton, N.Y. 13346.
- LONSDALE, PROF. RICHARD ELLIS, b. Stockton, Calif, Nov. 27, 26; m. 55; c. 1. GEOGRAPHY. A.B. California, Los Angeles, 49, M.A. 53; Ford Found. fel, Syracuse, 59-60, Ph.D.(geog), 60. Asst. prof. GEOG. Harper Coll, State Univ. N.Y. 60-62; NORTH CAROLINA, CHAPEL HILL, 62-66, ASSOC. PROF, 66- Ed, Southeast. Geogr. U.S.A. 44-46. Asn. Am. Geog; Asn. Adv. Slavic Studies. Industrial location, especially rural industrialization; Soviet industrial development. Publ: Atlas of North Carolina, Univ. North Carolina Press, 67; North Carolina report, First Union Nat. Bank, Charlotte, 67. Address: Dept. of Geography, University of North Carolina, Chapel Hill, N.C. 27514.
- LONSTEIN, DR. MURRAY J, b. Scranton, Pa, Aug. 8, 24; m. 48; c. 3. PSYCHOLOGY. Ph.D. Kentucky, 52. Psychologist, VET. ADMIN. HOSP, Lebanon, Pa, 52-53, suprvy. psychologist, PITTSBURGH, PA, 53-57, CHIEF PSYCHOLOGIST, 57- Dipl. Am. Bd. Exam. Prfnl. Psychol, 61. U.S.A. 43-46. Psychol. Asn. Psychodiagnosis. Publ: Validation of a Bender-Gestalt scoring system & Validation of Rorschach patterns associated with schizophrenia, J. Consult. Psychol. Address: 5133 Forbes Ave, Pittsburgh, Pa. 15213.
- LOOKSTEIN, PROF. JOSEPH H(YMAN), Sociol, see 10th ed, Soc. & Behav. Vols.
- LOOMBA, DR. N. PAUL, b. Panjab, India, Dec. 22, 27; nat; m. 57; c. 3. MANAGEMENT. B.S. Panjab, India, 47; B.S. Nebraska, 52; M.S. Mass. Inst. Tech, 54; Ph.D.(indus. mgt), 57. Teaching asst, Mass. Inst. Tech, 52-54; Wisconsin, 55-57; asst. prof. Wichita, 57-59; from asst. prof. to assoc. prof. Iowa, 59-62; from assoc. prof. to prof. mgt. sci. & head dept, Lehigh, 62-66; V.PRES. OGDEN CORP, 66- Consult. various co. & state & nat. orgn. Pres. Fund. Adv. Ed. in India. Econ. Asn; Acad. Mgt; Inst. Mgt. Sci; Opers. Res. Soc. Am. Linear programming; corporate planning. Publ: Course book on engineering economics for decision making, U.S. Army, 61-63; Linear programming: an introductory analysis, McGraw, 64. Address: Ogden Corp, 161 E. 42nd St, New York, N.Y. 10017.
- LOOMER, HARLIN G(ILBERT), Sociol, see 10th ed, Soc. & Behav. Vols, deceased 67.
- LOOMIS, PROF. CHARLES PRICE, b. Bloomfield, Colo, Oct. 26, 05; m. 50; c. 4. SOCIOLOGY. B.S. N.Mex. Col. 28; M.S. N.C. State Col, 29; Ph.D.(sociol), Harvard, 33. Asst. prof. sociol, N.C. State Col, 32-33; Soc. Sci. Res. Coun. fel, Heidelberg & Konigsberg, 33-34; sr. soc. scientist, bur. agr. econ, U.S. Dept. Agr, 34-40, prin. soc. scientist, off. for agr. rel, 42-44; vis. lectr, Harvard, 40-42; head dept. sociol. & anthrop, MICH. STATE, 44-57, RES. PROF. SOCIOL. & ANTHROP, 57- Prog. analyst & consult, Ford Found-Nat. Inst. Community Develop, India, 64-66. Am. Sociol. Asn. rep. U.S. Nat. Cmn. UNESCO, 63-69, mem. Permanent Panel Eval. UNESCO Exp. Literacy Projs, 67. Civilian with U.S. Strategic Bombing Surv. Sociol. Asn.(pres, 66-67); Soc. Appl. Anthropol.(pres, 48-). Sociological theory; area studies; applied anthropology; technological diffusion. Publ: Community and society; Modern social theories; Rural sociology: the strategy of change. Address: Dept. of Sociology, Michigan State University, East Lansing, Mich. 48823.
- LOOMIS, PROF. CLIFTON W(ILLIAM), b. Burlington Flats, N.Y., Jan. 28, 14. AGRICULTURAL ECONOMICS. B.S. Cornell, 37; M.S. 51, Ph.D.(agr. econ), 53; Illinois, 51-52. County agr. agent, N.Y., 37-40, 46-50; asst. prof. farm mgt, Missouri, 53-55; STATE UNIV. N.Y. COL. AGR, CORNELL, 55-58, assoc. prof, 58-64, PROF, 64- Teaching & res. farm mgt, American Univ. Beirut, 63-64. U.S.A. 40-46, Res, 46-, Col. Dairy and general farm management; economics of forage production. Address: New York State College of Agriculture, Cornell University, Ithaca, N.Y. 14850.
- LOOMIS, DR. JAMES L(EROY), b. Oklahoma City, Okla, Dec. 30, 28; m. 61. PSYCHOLOGY. B.A. Minnesota, 51; Ph.D. N.Y. Univ, 58. Asst. group dynamics, soc. rels. lab, Minnesota, 52-53; res. center human rels, N.Y. Univ, 53-56, U.S. Pub. Health Serv. res. fel, 58-59; staff psychologist, U.S. Naval Training Device Center, 56-57; asst. ed. res. State Dept. Ed, N.Y., 57-58; training & res. consult, Esso Standard Oil Co, 59-60; vis. asst. prof. soc. psychol, Pa. State, 60-61; asst. prof, Western Illinois, 61-63; res. supvr, N.Shore Child Guid. Center, 63-65; RES. PSYCHOLOGIST, REISS
- MENT. HEALTH PAVILION, ST. VINCENT'S HOSP. & MED. CENTER, 65- Staff psychologist, Community Guid. Serv, N.Y., 65- Consult, submt. youth probs. & needs, youth serv. cmt, Nassau County Health & Welfare Coun, 64-65; div. gen. ed. & exten. serv, N.Y. Univ, 65-66; consult. psychologist, Proj. Head Start, Community Develop. Agency, 67- Soc. Psychol. Study Social Issues; Psychol. Asn; Acad. Polit. & Soc. Sci. Social behavior in small groups, communities and formal organizations; training and research on social change; research on psychotherapeutic procedures. Publ: Communication and development of trust; Communication, development of trust, and cooperative behavior, Human Rels; co-auth, Closed circuit television as a medium of instruction. Address: 215 W. 98th St, Apt. 7B, New York, N.Y. 10025.
- LOOMIS, DR. RALPH ARTHUR, b. Montezano, Wash, Dec. 4, 22; m. 53; c. 6. AGRICULTURAL ECONOMICS. B.A. Washington, 47; M.A. Washington State, 50; Ph.D.(agr. econ), Mich. State, 64. Agr. economist, Washington State, 49-51; farm mgt. specialist, Food & Agr. Orgn, UN, 51-53; farmer, 53-54; mkt. specialist, Fed. Milk Mkt. Admin, Wash, 54-55; AGR. ECONOMIST, U.S. DEPT. AGR, 55- Consult. Latin Am. econ. develop, Univ. Florida, 65- U.S.N.R., 43-46, Lt.(jg). Agr. Econ. Asn.(award, Farm Econ. Asn, 61); Int. Econ. Asn; Soc. Int. Develop. Agricultural policy; domestic and world economic development; land and water economics; conservation and development. Publ: Co-auth, Productivity of agriculture, United States, 1870-1958, 61 & An economic survey of the Northern Lake States region, 66, U.S. Dept. Agr; auth, A profile of part-time farming in the United States, Mich. State Univ, 65. Address: 102 Denny Way, Pullman, Wash. 99163.
- LOOMIS, ZONA KEMP, b. Marquette, Mich, Dec. 26, 11; m. 50; c. 3. SOCIOLOGY. B.A. Simmons Col, 33; fel, Chicago, 49-50, M.A. 51; Mich. State, 57-60. Consult. library exten, Mich. State, 44-48; asst. coordinator adult serv, Enoch Pratt Free Library, Baltimore, Md, 50-51; res. asst. sociol. & anthrop, Mich. State, 60-64; prog. consult. sociol, Ford Found, New Delhi, stationed at Nat. Inst. Community Develop, Hyderabad, Andra Pradesh, India, 64-66; LIBRARIAN & SOC. SCI. SPECIALIST, GRAD. REFERENCE LIBRARY, MICH. STATE, 67- Fel. Sociol. Asn. Library science; sociological theory; social organization and administration; community analysis; small groups; cross-cultural studies; ecological and demographic determinants of sociopolitical organizations. Publ: Co-auth, Modern social theories, Sociometry in community organization: a case of failure in the achievement of a goal, In: Sociometry and the science of man & Linkages of Mexico and the United States, Agr. Exp. Sta. Bull, Mich. State Univ, 66. Address: Library Reference, Michigan State University, East Lansing, Mich. 48823.
- LOONEY, GORDON M(INNIER), Econ, Mkt, see 10th ed, Soc. & Behav. Vols.
- LOOPER, DR. C(HARLES) EUGENE, b. Greenville, S.C, Dec. 19, 20. POLITICAL SCIENCE. A.B. Furman, 41; A.M. La. State, 42; Ph.D. Georgetown, 48. Instr, Georgetown, 47-48; assoc. prof. polit. sci, Furman, 48-54, prof. & head dept, 54-57; SR. V.PRES. WACHOVIA BANK & TRUST CO, 63- Ford faculty fel, London, 53-54. Acad. Polit. & Soc. Sci. Publ: Hegel: philosopher of the modern state; Rousseau's sovereign representative. Address: Wachovia Bank & Trust Co, Winston-Salem, N.C. 27102.
- LOOSLEY, DR. ALLYN C(AMPBELL), Econ, see 10th ed, Soc. & Behav. Vols.
- LOPATA, DR. HELENA Z(NANIECKI), b. Poznan, Poland, Oct. 1, 25; nat; m. 46; c. 2. SOCIOLOGY. B.A. Illinois, 46, M.A. 47; Ph.D. Chicago, 54. Chicago Tribune grant urban & suburban housewife study, 55; lectr. SOCIOL, DePaul, 57-60; ROOSEVELT, 60-62, vis. asst. prof, 64-65, asst. prof, 65-67, ASSOC. PROF, 68- Midwest Coun. Soc. Res. Aging fels, 64 & 65; major faculty res. grant, Roosevelt, 67; Dept. Health, Ed. & Welfare Admin. Aging Res. grant, 67-68. Mem. exec. cmt, Midwest Coun. Soc. Res. Aging, 67-69. Fel. Sociol. Asn; Soc. Study Social Prob. Social theory; social psychology; changing role of American women; urban women and widowhood; changes in social roles and role clusters. Publ: Secondary features of a primary relation, Human Orgn, 65; The function of voluntary associations in an ethnic community, In: Contributions to urban sociology, Univ. Chicago, 65; The life cycle of the social role of housewife, Sociol. & Soc. Res, 66. Address: 330 Prospect, Highland Park, Ill. 60035.
- LOPATA, RICHARD S(TEFAN), b. Chicago, Ill, Nov. 30, 25; m. 46; c. 2. MARKETING, ECONOMICS. B.S. Illinois, 47, M.S. 48. Instr. mkt, Illinois, 47-48; econ, Massachusetts, 48-49; mgt. consult, Poetzinger, Dechert & Kietly, 49-57; pres, Mkt. Mgt. Inc, 57-59; v.pres, McCann Erickson, 59-60; pres, Lopata Corp, 60-63; PRIN. MGT. CONSULT, A.T. KEARNEY & CO. INC, 63- Asst. prof, Virginia, 51-52; lectr, DePaul, 56-59. U.S.M.C., 42-44; U.S.A.F., 50-52, Capt. Mkt. Asn; Econ. Asn. Social psychology of the business firm; motivation of the sales force; industry promotion; foreign trade; corporate management; long range planning; communication. Publ: Thoughts on communication; Toward humanistic management; Sales meetings. Address: 330 Prospect, Highland Park, Ill. 60035.
- LOPATA, PROF. SIMON, b. New York, N.Y., Oct. 2, 17; m. 49; c. 3. ECONOMICS. M.A. Brooklyn Col, 41; Ph.D. Columbia, 60. Instr. math, Hunter Col, 44; ECON. & STATIST, Rutgers, 46-49, asst. prof, 49-56; Polytech. Inst. Brooklyn, 56-61; ASSOC. PROF, ST. JOHN'S (N.Y.), 61- Consult, 42-62; finance, E.F. Hutton & Co, 65-67. U.S.A. 45. Econ. Asn; Statist. Asn; Inst. Math. Statist. Product testing in research and production; industrial testing. Publ: Essentials of trigonometry; Abstract characterizations of real number system. Address: 147-41 70th Ave, Flushing, N.Y. 11367.
- LOPATIN, PROF. IVAN ALEXIS, b. Olochi, Russia, Jan. 17, 88; nat; m. 36. ANTHROPOLOGY. B.A. Kazan, 12; M.A. British Columbia, 29; Ph.D.(anthrop), Southern California, 35. With teachers sem, Nikolaevsk on the Amur, Russia, 17-19; privat-docent, Far East State Univ, 20-25; prof, pedagog. Harbin, China, 25-26; asst. prof. ANTHROP, SOUTHERN CALIFORNIA, 35-46, assoc. prof, 46-51, PROF, 51- Dir, teacher's sem, Habarovsk, Russia, 30; mus, Russian Geog. Soc, 20. Anthropol. Asn; Soc. Am. Archaeol. Physical anthropology; ethnography; archaeology. Address: 5315 Marburn Ave, Los Angeles, Calif. 90043.

LOPER, DR. RODNEY G(RANT), b. Albert Lea, Minn., Nov. 18, 34; m. 59; c. 3. CLINICAL PSYCHOLOGY. B.A., Minnesota, 57, Ph.D.(psychol), 64. Instr. PSYCHOL. & counsr., OFF. DEAN STUDENTS, MINNESOTA, 63-65. ASST. PROF. 65- Psychol. Asn; Personnel & Guid. Asn; Asn. Measurement & Eval. Guid. Objective personality measurement, behavior modification, counseling and psychotherapy. Publ: Influence of prior verbal conditioning on ink blot test content, Dissertation Abstracts, 65; co-auth, Personality correlates of blood protein-bound iodine, J. Clin. Psychol, 63; auth, College student MMPI norms over a 14-year period, J. Col. Student Personnel, (in press). Address: 101 Eddy Hall, University of Minnesota, Minneapolis, Minn. 55455.

LOPREATO, DR. JOSEPH, b. Stefanconi, Italy, July 13, 28; nat; m. 54; c. 1. SOCIOLOGY, ANTHROPOLOGY. B.A., Connecticut, 56; M.A., Yale, 57, Ph.D. (sociol), 60. Asst. prof. SOCIOL., Massachusetts, 60-62; Fulbright res. scholar, Rome, 62-64; ASSOC. PROF., Connecticut, 64-66; TEXAS, AUSTIN, 66- Soc. Sci. Res. Coun. faculty fel, 63-64; Nat. Sci. Found. res. grant, 65-68. U.S.A. 52-54. AAAS; Sociol. Asn; Soc. Appl. Anthropol. Effects of economic development on social change; social mobility; class structures; equilibrium models in social science; peasant societies and cultures. Publ: Vilfredo Pareto, Crowell, 65; Peasants no more, Chandler Pub, 67; Upward social mobility and political orientation, Am. Sociol. Rev, 67. Address: Dept. of Sociology, University of Texas, Austin, Tex. 78712.

LORANG, SISTER MARY CORDE, b. Blue Island, Ill, June 16, 04. PSYCHOLOGY. B.A., Catholic Univ, 36, M.A., 37, Ph.D.(psychol), 45. Instr. sci., Maryknoll Teachers Col, 31-37, head dept, 37-63, head student testing, 31-63; RETIRED. Psychol. Asn; Asn. Physics Teachers. Tropical agriculture; archaeology. Publ: Foolloose scientist in Mayan America, 66 & Burning ice: the moral and emotional effects of reading, 68, Scribner. Address: Maryknoll, N.Y. 10545.

LORANGER, DR. ARMAND W(ALTER), b. Lowell, Mass, Sept. 3, 30; m. 58; c. 2. PSYCHOLOGY. B.A., St. Mary's Col, 52; M.A., Fordham, 55, Ph.D., 58. Intern, DEPT. PSYCHIAT., WESTCHESTER DIV. NEW YORK HOSP-CORNELL MED. CENTER, 56-57, clin. psychologist, 57-60, HEAD CLIN. PSYCHOL., 60-, ASST. PROF. PSYCHOL. IN PSYCHIAT., MED. COL., CORNELL, 65- Dipl. Am. Bd. Exam. Prfnl. Psychol. AAAS; Psychol. Asn. Psychopathology; psychophysiology; psychopharmacology; genetics. Publ: Placebo effect in psychiatric drug research, J. Am. Med. Asn, 6/61; Controlled evaluation of deanol and benactyzine-meprobamate, New Eng. J. Med, 5/62; Treatment of acute mental disorders with an adrenal steroid, Brit. J. Psychiat, 7/68. Address: 21 Bloomingdale Rd, White Plains, N.Y. 10605.

LORANT, DR. JOHN HERMAN, b. Duesseldorf, Germany, Mar. 25, 32; U.S. citizen. ECONOMICS. B.S., Wisconsin, 55; M.B.A., Harvard, 57; Woytinsky scholar, Columbia, 62-63, Ph.D.(econ), 66. Financial analyst, Food Fair Stores, Inc, 57-58; asst. to partners, Neuberger & Berman, 59-60; financial analyst, Int. Bus. Mach. Corp, 60-61, financial analyst & consultant, 62-64; ASST. PROF. ECON., DOUGLASS COL., RUTGERS, 66- U.S.A. 53-55, 1st Lt. Econ. Asn; Econ. Hist. Asn. Technological history of American manufacturing industries; economics of human organization. Publ: The role of capital-improving innovations in American manufacturing during the 1920's, Am. Economist, fall 66; Technological change in American manufacturing during the 1920's, J. Econ. Hist, 6/67. Address: Apt. 8F, 100 Memorial Parkway, New Brunswick, N.J. 08901.

LORCH, DR. ROBERT S(TUART), b. Ames, Iowa, Feb. 2, 25; m. 65; c. 1. POLITICAL SCIENCE. B.A., Iowa, 49; M.A., Nebraska, 50; Ph.D.(polit. sci.), Wisconsin, 57. Asst. prof. POLIT. SCI., Ga. Inst. Tech, 56-59; ASSOC. PROF., CALIF. STATE COL. LONG BEACH, 59- U.S.A. 43-45; U.S.A.F., 51-53, 1st Lt. Polit. Sci. Asn. Administrative law. Publ: The federal administrative court idea in America, Am. Bar Asn. J, 7/66; The administrative court idea before Congress, West. Polit. Quart, 3/67; Administrative court via the independent hearing officer, Judicature, 11/67. Address: Dept. of Political Science, California State College at Long Beach, Long Beach, Calif. 90804.

LORD, DR. EDITH, b. Newark, N.J., Aug. 4, 07. CLINICAL PSYCHOLOGY. B.S., Houston, 35; M.A., Texas, 38; Ph.D.(clin. psychol), Southern California, 48; M.A., N.Y. Univ, 54. From instr. to assoc. prof, Houston, 35-44; instr. psychol, Southern California, 46-48; chief clin. psychologist, ment. hyg. clin, Dept. Pub. Health, Hawaii, 48-49, state supvr. ment. health, Ariz, 49-51; chief mid-east. clin. psychol. training prof, Vet. Admin, 51-54; adv. Ethiopian Ministry Ed, Int. Coop. Admin, 54-59; sr. eval. officer, res. & eval. staff, AGENCY INT. DEVELOP., D.C., 60-62, HUMAN RESOURCES DEVELOP. OFFICER, AFRICA BUR, 63-, prof. psychol. & adv, detailed to Univ. Nigeria, 66-67, sr. eval. officer int. training, Ghana, 67-68. Lectr, exten. div, Univ. Col. Addis Ababa, 55-56. Dipl. clin. psychol, Am. Bd. Exam. Prfnl. Psychol, 50. W.A.C., 44-46. Fel. Psychol. Asn; Soc. Appl. Anthropol; Interam. Soc. Psychol; fel. Int. Coun. Psychol.(secy, 54). Projective techniques in the study of personality; cultural influences in personality development. Publ: Cultural facts and fancies, U.S. Dept. State, 60 & 67; Experimental variation of Rorschach responses, Psychol. Monogr, 50; Impact of education on non-scientific beliefs in Ethiopia, J. Soc. Psychol, 58. Address: Agency for International Development, U.S. Dept. of State, Washington, D.C. 20523.

LORD, DR. FREDERIC M(ATHER), b. Hanover, N.H., Nov. 12, 12; m. 46. PSYCHOLOGY, MATHEMATICAL STATISTICS. B.A., Dartmouth Col, 36; M.A., Minnesota, 43; Ph.D.(psychol), Princeton, 51. Prin. res. assoc. ment. testing, U.S. Civil Serv. Cmn, 41-44; res. assoc, Grad. Record Off, 44-46; asst. dir, Grad. Record Off. & Co-op. Test Serv, 46-48; res. assoc. ED. TESTING SERV, 48-60, HEAD, PSYCHOMET. RES. GROUP, 60- Vis. prof. lectr, Princeton, 59-, consult, Off. Naval Res. Proj, 53-55; Brittingham vis. prof, Wisconsin, 63-64. Consult, res. proj, U.S. Pub. Health Serv, Inst. Pa. Hosp, 54-56; Sandia Corp, 60-61. Psychol. Asn; Statist. Asn; Psychomet. Soc.(pres, 58-59); Inst. Math. Statist. Psychometric theory and methods. Publ: Co-auth, Statistical theories of mental test scores, Addison-Wesley, 68; auth, Theory of test scores, Psychomet. Monogr; Elementary models for measuring change, In: Problems in measuring change, Univ. Wisconsin, 63. Address: Educational Testing Service, Princeton, N.J. 08540.

LORD, PROF. JESS R. b. Silverdale, Kans, Dec. 28, 11; m. 31; c. 4. SOCIOLOGY. B.S., Tex. Wesleyan Col, 59; M.A., Texas Christian, 60; Ph.D.(sociol), Texas, 64. Self-employed contractor, 33-42; pilot, Am. Airlines, 43-49; pres, Lord, Ream & Lord, Contractors, 49-57; teaching asst, Texas, 60-83; acting chmn. div. soc. sci, TEX. WESLEYAN COL, 63-64, PROF. SOCIOL. & CHMN. DIV. SOC. SCI, 64. Consult, NASA, 65; Proj. Change, 67- U.S.A.A.F.R. 42-46. Sociol. Asn; Indust. Rel. Res. Asn. Industrial sociology; mental health. Publ: Auth, The sociologist, weekly column in Ft. Worth Star-Telegram, 67- Address: Division of Social Science, Texas Wesleyan College, Ft. Worth, Tex. 76105.

LORD, PROF. WILLIAM B(OYNE), b. Omaha, Nebr, Jan. 2, 29; m. 51; c. 3. ECONOMICS. B.S., Michigan, 51, M.F., 58, fel. & Ph.D.(forestry), 64; M.S., Wisconsin, 59. Res. forester, U.S. Forest Serv, 54-57; asst. prof. agr. econ, Wisconsin, 59-64, assoc. prof, 64-65; economist, U.S. Dept. Army, 65-67; PROF. AGR. ECON. & DIR. CENTER NATURAL RESOURCE POLICY STUDIES, WISCONSIN, 67- Participant, Nat. Sci. Found. Summer Inst. Regional Sci, 64. Consult, U.S. Dept. Army, 67-, award, 67. U.S.M.C., 51-53, 1st Lt. Econ. Asn; Agr. Econ. Asn; Regional Sci. Asn; Soc. Pub. Admin. Economics of natural resource use; economics in public policy and program planning. Address: University of Wisconsin, 340 Agricultural Hall, Madison, Wis. 53706.

LORD, DR. WILLIAM JACKSON, JR, b. Milam, Tex, May 10, 26; m. 48; c. 3. COMMUNICATIONS, BUSINESS. B.B.A., Texas, Austin, 50, M.B.A., 53; Authors League Am. fel, Illinois, Urbana, 59, Ph.D.(commun), 61. Instr. bus, West Texas State, 51-54; asst. prof, Illinois, Urbana, 54-61, assoc. prof. case anal. & ethics, grad. sch. bus, 61-64; PROF. BUS. WRITING & INFO. SYSTS, TEXAS, AUSTIN, 64- Gulf Oil Corp. faculty aid-to-ed. grant admin. commun, 61; exec. develop. prog. lectr, Illinois, 63, 64, 66. Commun. consult, Franklin Life Ins. Co, Ill, 55-66. Student Asn. teaching excellence award, Univ. Texas, 65-66. U.S.A. 44-46, S/Sgt. Nat. Soc. Study Commun. Functional business communications; communication theory; information systems design with computer application tie-ins. Publ: How authors make a living, Scarecrow, 62; co-auth, Business writing cases and problems, Stipes, 62 & Functional business communication, Prentice-Hall, 68. Address: Dept. of Business Communications, University of Texas, Austin, Tex. 78712.

LORDAHL, PROF. DANIEL S(MERSH), b. Owatonna, Minn, Apr. 30, 32. EXPERIMENTAL PSYCHOLOGY. B.A., Northwestern, 55; M.A., Wisconsin, 57, Ph.D.(psychol), 59. Asst. prof. PSYCHOL., Washington (St. Louis), 59-63; MIAMI (FLA), 63-66, ASSOC. PROF., 66- Psychol. Asn. Experimental design; human learning; mathematical psychology; cognitive processes. Publ: Modern statistics for behavioral sciences, Ronald, 67. Address: Dept. of Psychology, University of Miami, Coral Gables, Fla. 33124.

LORE, DR. JAMES I(RVIN), b. Carrollton, Ohio, Mar. 19, 22; div; c. 2. HEALTH SCIENCE ADMINISTRATION. A.B., Washburn Munic. Univ, 43; M.A., Western Reserve, 47; M.Ed., Missouri, 48, Ed.D., 52. Speech correctionist, pub. schs, Mo, 49-51; supvr. ed. of except. children, State Dept. Pub. Instruction, Del, 51-53; prof. ed. & chmn. dept, Gallaudet Col, 53-55; supvr. speech sect, Walter Reed Army Hosp, D.C., 55-60; supvr. psychologist, St. Elizabeth's Hosp, 60-66; grants assoc, Nat. Insts. Health, 66-67; ASST. ASSOC. REGIONAL HEALTH DIR. MANPOWER, CHICAGO REGIONAL OFF, U.S. PUB. HEALTH SERV, DEPT. HEALTH, ED. & WELFARE, 67- Consult, bd. examining chaplains, Protestant Episcopal Church, 58-; speech & lang. clin, Chicago, 58-; U.S. Naval Hosp, Bethesda, Md, 60-; rehab. dept, clin. center, Nat. Insts. Health, 67- U.S.N.R., 43-46, Lt. Comdr. Fel. AAAS; Psychol. Asn; Speech & Hearing Asn; N.Y. Acad. Sci. Psychogenesis of speech and voice pathologies; diagnosis and treatment of aphasic pathologies; rehabilitation prognosis of hospitalized psychogeriatric patients. Publ: Lore analysis of articulatory maturation; Therapy for stuttering, In: Speech therapy; co-auth, Embryogeny of an NH research grant, Asha, 1/68. Address: 1130 S. Michigan Ave, Apt. 1005, Chicago, Ill. 60605.

LOREE, PROF. M. RAY, b. Oak River, Man, Jan. 11, 10; U.S. citizen; m. 34; c. 3. EDUCATIONAL PSYCHOLOGY. B.A., Manitoba, 33; A.M., Chicago, 46, Ph.D.(ed. psychol), 48. Teacher & prin. jr. & sr. high schs, Man, 34-45; asst. soc. sci, Chicago, 45-47; coordinator eval. & guid, Oklahoma City Schs, 47-48; assoc. home economist, La. State, 48-52, assoc. prof. psychol, 51-60; PROF. ED. PSYCHOL., ALABAMA, 60- Consult, pub. sch. systs, 50-; Reserve Officers Training Corps, Maxwell Air Force Base, Ala, 56-60; Ed. Testing Serv, 66- Mem. & chmn. cmt. ment. health res. in ed, Am. Ed. Res. Asn, 66- R.C.A.F., 43-45, Flight Lt. Publ: Educational psychology, 59 & Psychology of education, 65, Ronald; Problem-solving techniques of children in grades four through nine, Coop. Res. Proj. 2608, U.S. Of. Ed, 65. Address: Dept. of Educational Psychology, University of Alabama, Box 742, University, Ala. 35486.

LORENTZEN, PROF. EDEN C(HRISTIAN), b. Nephi, Utah, Jan. 24, 92; m. 17; c. 3. MANAGEMENT. B.S., Utah State Agr. Col, 21; M.A., California, 23; Ph.D. Northwestern, 43. Instr. econ, Utah, 23-27, asst. prof, 27-29; mkt. researcher, B.F. Goodrich Rubber Co, Ohio, 29-33; A.C. Nielson Co, Ill, 33; assoc. prof. econ, UTAH, 35-42, prof. MGT, 42-60, EMER. PROF., 60-, head dept, 43-57. Inst. Mgt; Acad. Mgt. Economics; marketing. Publ: The unfair sales practices; Entrance requirements to craft organization in San Francisco. Address: 1015 S. 14th St. E, Salt Lake City, Utah 84105.

LORET, DR. PETER G(ORGE), b. Karlsbad, Czech, Dec. 23, 29; m. 54; c. 2. EDUCATIONAL PSYCHOLOGY. B.A., California, 52, M.A., 53, Ph.D., 56. Asst. res. oncologist, cancer res. inst. sch. med, California, 55-59, lectr. sch. nursing, 55-59; prog. dir, ED. TESTING SERV, 59-65, sr. assoc. test. develop. div, 59-62, SR. PROF. DIR., 65- AAAS; Psychol. Asn; Ed. Res. Asn; Coun. Measurement in Ed. Tests and measurement; construction, conduct and evaluation of large scale testing programs. Publ: Co-auth, Cancer achievement testing program, I. An overview, II. Comparison of effectiveness of vertical and horizontal cancer instruction, J. Med. Ed. Address: Educational Testing Service, Princeton, N.J. 08540.

LORE, PROF. JAMES H(IRSCH), b. Kansas City, Mo, Feb. 23, 22; m. 58; c. 1. ECONOMICS. A.B., Cornell, 42, A.M., 45; Ph.D., Chicago, 47. Asst. agr.

- econ, Cornell, 44-45; asst. prof. mkt. GRAD. SCH. BUS. CHICAGO, 47-50, assoc. prof. 50-56, PROF. BUS. ADMIN, 56-, DIR. CENTER RES. SECUR-
ITY PRICES, 61-, assoc. dean, 56-61, dir. res. 61-65. Dir. Gaertner Sci.
Corp, 58-; Yeomans Bros. Co, 59-61; Hyde Park Fed. Savings & Loan Assn,
61-; Seminar Anal. Security Prices, 64-; Standard Shares, Inc. & Wallace Bus.
Forms, 65-; Compufund, Inc, 67-; Square D, Inc, 68-; chief. investr. eval. mgt.
endowment funds, Ford Found. Consult. div. res. & statist. bd. gov. Fed. Re-
serve Syst, 50-52; Joel Dean Assocs, 50- Mem. staff, Seminar Am. Civiliza-
tion, Austria, 47; chmn. adv. cmt. eval. pension fund performance, Asn. Bank
Audit, Control & Oper. Trustee, Found. Econ. Ed. Inc, 60- U.S.C.G. 42-44.
Econ. Asn.; Mkt. Asn. Financial management, especially capital budgeting and
the behavior of security prices. Publ: Two problems in sales forecasting,
7/57 & co-auth, Rates of return on investments in common stock, 1/64, J.
Bus.; Knowledge makes a difference, Financial Analysts J, 12/65. Address:
5825 Blackstone Ave, Chicago, Ill. 60637.
- LORIG, PROF. ARTHUR N(ICHOLAS), b. St. Paul, Minn, Jan. 14, 98; m. 53.
ECONOMICS. B.A. Wisconsin, 22; M.A. Stanford, 32; Spelman Fund fel, 33-
34; Ph.D.(econ), Chicago, 36. PROF. ACCT. WASHINGTON (SEATTLE), 34-
Found. Econ. Ed. fel, 53. Govt. & mgt. consult; consult. dept. natural re-
sources, State Wash, 84-66. Econ. Asn.; Am. Acct. Asn. Govern-
ment and managerial accounting. Publ: Accounting in Italy, Fed. Accountant,
winter 65; Where do corporate responsibilities really lie?, Bus. Horizons,
spring 67; In favor of renaming goodwill, Nat. Pub. Accountant, 8/67. Ad-
dress: 10704 Durland Ave. N.E, Seattle, Wash. 98125.
- LORIMER, DR. FRANK W(ILLIAM), b. Bradley, Maine, July 1, 94; m. 22; c. 2.
SOCIOLOGY. A.B. Yale, 16; B.D. Union Theol. Sem, 24, Ph.D.(philos,
psychol), Columbia, 29. Lectr. soc. theory, Wellesley Col, 28-29; res.
secy, Brooklyn Conf. Adult Ed, 29-30; fel, Eugenics Res. Asn, 30-33; secy,
Pop. Asn. Am, 34-38; prof. pop. studies, grad. sch. American Univ, 38-43,
prof. sociol, 46-60; res. assoc, Princeton, 40-44; chief, econ. functions
sect, Far East enemy div, For Econ. Admin, 45-46; res. assoc, off. pop.
res, Princeton, 60-66; RETIRED. Chief, pop. & labor br, econ. & employ.
div, Supreme Command Allied Powers, Japan, 46. Consult, State Planning
Bd, Va, 39-40; Off. Strategic Serv, 42-44. Secy. cmt. pop. prob, Nat. Re-
sources Cmt, 36-37. Sociol. Asn.; fel. Statist. Asn.; Pop. Asn.(pres, 46); Int.
Union Sci. Study Pop. Population, economics. Publ: Co-auth, Dynamics of
population; Population of the Soviet Union; Culture and human fertility. Ad-
dress: 395 Nut Plains Rd, Guilford, Conn. 06437.
- LORING, JOHN C(ALEB) G(OULD), Aeronaut. Psychol, see 10th ed, Soc. &
Behav. Vols.
- LORING, PROF. ROBERT D(AVID), b. New York, N.Y, July 8, 23; m. 43; c. 2.
GEOGRAPHY. A.B. Ohio, 47; A.M. Indiana, 48; summers, Northwestern,
50-52. ASSOC. PROF. GEOG. & GEOL, DePAUW, 48- U.S.A, 43-46. Asn.
Am. Geog; Asn. Latin Am. Studies; Nat. Coun. Geog. Ed. Conservation;
physical and regional geography; Latin American studies. Publ: Contrib.
American peoples encyclopedia; Growth of strip mining in Indiana, Proc, Ind.
Acad. Sci. Address: 426 Anderson St, Greencastle, Ind. 46135.
- LORING, DR. W(ILLIAM) C(USHING), b. Providence, R.I, Sept. 7, 13; m. 42;
c. 3. SOCIOLOGY. A.B. Harvard, 35, A.M. 49, Ph.D.(sociol), 52. Exec.
dir, Housing Asn. of Metrop. Boston, 46-58; lectr. city planning, Harvard,
58; sociol, Clark, 59-60; sociologist, planning & develop. dept, Prudential
Ins. Co. Am, 60-62; urban sociologist environ. health, U.S. PUB. HEALTH
SERV, 62-67, CHIEF EXTRAMURAL PROGS, OFF. RES. & DEVELOP, BUR.
HEALTH SERV, 67- Mem. bd. gov. Nat. Asn. Housing & Redevelop. Of-
ficials, 55-57. U.S.N.R, 42-46, Lt. Fel. Sociol. Asn; fel. Soc. Appl. Anthropol.
Administration and application of social research regarding urban
planning, health services, housing and neighborhood standards, community
development and political sociology. Publ: Community organization for
citizen participation in urban renewal, Cambridge Press, 57; Homes Associ-
ation handbook, Urban Land Inst. Tech. Bull. 50, 64; Residential environ-
ment: nexus of personal interactions and healthful development, J. Health &
Human Behav, winter 64. Address: 5911 Springfield Dr, Washington, D.C.
20016.
- LORISH, PROF. ROBERT E(UGENE), b. Allentown, Pa, Apr. 12, 20; m. 43;
c. 4. GOVERNMENT, POLITICS. A.B. Muhlenberg Col, 41; M.A. Fletcher
Sch. Law & Diplomacy, 42, Ph.D.(int. polit), 50. Instr. hist, Mass. Inst.
Tech, 46-48; assoc. prof. polit. sci, Muhlenberg Col, 48-53; Ohio Wesleyan,
53-58, prof, 58-62, chmn. dept, 60-62, asst. to pres, 62-63; admin. intern,
Mich. State, 63-64; PROF. POLITICS, OHIO WESLEYAN, 64- Ford sum-
mer fel, 56; Ellis L. Phillips Found. fel. acad. admin, 63-64. U.S.N, 42-45,
Lt. Comdr. Polit. Sci. Asn; Acad. Polit. Sci; Soc. Int. Law; Soc. Pub. Ad-
min. International politics; foreign policy process; role of independent
voter and bi-partisanship in a democracy; comparative political systems.
Address: Dept. of Political Science, Ohio Wesleyan University, Delaware,
Ohio 43015.
- LORR, DR. MAURICE, b. St. Louis, Mo, Mar. 8, 10; m. 38; c. 2. PSYCHOL-
OGY. B.A. Illinois, 32, M.A. 35; Ph.D.(psychol), Chicago, 43. Sr. psychol-
ogist, Inst. Juvenile Res, Chicago, 35-40; personnel technician, U.S. Civil
Serv. Cmn, 40-42; asst. chief clin. psychologist, vet. admin, 46-52, chief
outpatient psychiat. res. lab, Vet. Benefits Off, 53-67; PROF. PSYCHOL,
CATHOLIC UNIV, 67- Lectr. & res. consult, Catholic Univ, 50-67; Nat.
Insts. Health grant, 65-68. U.S.A, 43-46, Capt. Fel. Psychol. Asn; Psycho-
met. Soc; Psychopath. Asn; Soc. Multivariate & Exp. Psychol. Measurement
identification of personality factors; identification of symptom syndrome of
neurotics and psychotics; measurement of interpersonal behavior dimen-
sions; typological analysis. Publ: Co-auth, Syndromes of psychosis, 62 &
ed, Explorations in typing psychotics, 66, Pergamon. Address: 1521 Erskine
St, Takoma Park, Md. 20012.
- LORSCH, DR. JAY WILLIAM, b. St. Joseph, Mo, Oct. 8, 36; m. 57; c. 1. OR-
GANIZATIONAL BEHAVIOR, INDUSTRIAL SOCIOLOGY. A.B. Antioch Col,
55; S.M. Columbia, 56; D.B.A.(orgn. behav), Harvard, 64. Res. fel. ORGN.
BEHAV. GRAD. SCH. BUS. ADMIN, HARVARD, 64-65, asst. prof, 65-67,
ASSOC. PROF, 68- U.S.A, 1st Lt. Sociol. Asn. Structure of organization;
ecology of organization. Publ: Product innovation and organization, Mac-
millan, 65; co-auth, Organization and environment, Harvard, 67 & Differ-
entiation and integration in complex organization, Admin. Sci. Quart, 6/67.
Address: Harvard University Graduate School of Business Administration,
Cambridge, Mass. 02138.
- LORTIE, DR. DAN C(LEMENT), b. Montreal, Que, Feb. 10, 26; m. 56; c. 4.
SOCIOLOGY. B.A. McGill, 47; M.A. Chicago, 49, Ph.D.(sociol), 58. Field
dir. nat. opinion res. center, Chicago, 51-54, asst. prof. human develop.
& assoc. dir. Kansas City study of adult life, 55-57; lectr. & res. assoc,
grad. sch. ed, Harvard, 58-63; ASSOC. PROF. ED, CHICAGO, 63- Instr.
Roosevelt, 48-52. Sociol. Asn. Sociology of organizations, education and
occupations. Address: Judd Hall, University of Chicago, Chicago, Ill. 60637.
- LORWIN, DR. LEWIS L, Econ, see 10th ed, Soc. & Behav. Vols.
- LORWIN, PROF. VAL R(OGIN), b. New York, N.Y, July 21, 07; m. 30. SO-
CIAL SCIENCE. A.B. Cornell, 27, Ph.D. 53; A.M. Ohio State, 29. Econo-
mist, U.S. Govt, 35-43, 46-49; asst. prof. soc. sci, Chicago, 53-57; PROF.
HIST. OREGON, 57- Lectr, Lyon, 55; Salzburg Seminar Am. Studies, 57;
fel, Center Adv. Study Behav. Sci, 61-62 & 66-67; Rockefeller Found. fel,
63-64; Guggenheim Found. fel, 66-67. U.S.A, 43-45, Lt. Am. Polit. Sci. Asn;
Am. Hist. Asn; Am. Econ. Asn; Econ. Hist. Asn; Indust. Rels. Res. Asn; Econ.
Hist. Soc, Brit; French Polit. Sci. Asn; Belgian Inst. Polit. Sci. History of labor
and social movements; history and government of France and Belgium; poli-
tics of smaller European democracies. Publ: The French labor movement,
Harvard, 54; co-auth, Political oppositions in western democracies, Yale,
66 & Comparative research across cultures and nations, Int. Soc. Sci. Coun,
67. Address: Dept. of History, University of Oregon, Eugene, Ore. 97403.
- LOSCHKY, DR. DAVID J, b. Merrill, Wis, June 24, 32; m. 56; c. 1. ECO-
NOMICS. B.A. Missouri, 56; M.A. Harvard, 58, fel, 61-62, Ph.D.(econ), 62.
Asst. prof. ECON, Clemson Col, 58-59; evening instr, Boston, 59-61; asst.
prof, Boston Col, 62-67; ASSOC. PROF, MISSOURI, COLUMBIA, 67- Eve-
ning instr, Northeastern, 60-61. U.S.A, 51-54. Econ. Asn; Econ. Hist. Asn.
English population history; technical change in American economic develop-
ment. Publ: The usefulness of England's parish registers, Rev. Econ. &
Statist, 11/67. Address: Dept. of Economics, University of Missouri, Colum-
bia, Mo. 65201.
- LoSCIUTO, DR. LEONARD A, b. New York, N.Y, Mar. 8, 40; m. 66. PSY-
CHOLOGY. B.S. City Col. New York, 61; M.S. Purdue, 63, Ph.D.(indust.
psychol), 66. Asst. prof. psychol, Rutgers, 65-68; ASSOC. PROF. PSYCHOL.
& STUDY DIR, INST. SURV. RES, TEMPLE, 68- Summers, res. intern,
Batten, Barton, Durstine & Osborne, Inc, 62, res. consult, 63. Con-
sult, Benton & Bowles, Inc, 66. Psychol. Asn. Publ: Co-auth, Religious
affiliation and binocular resolution, Perceptual & Motor Skills, 4/63 & Di-
rect observation of purchasing behavior, 11/65 & auth, The influence of
product preference on dissonance reduction, 11/66, J. Mkt. Res. Address:
Institute for Survey Research, Temple University, Philadelphia, Pa. 19122.
- LOSEN, DR. STUART M(ELVIN), b. New York, N.Y, Apr. 12, 30; m. 52; c. 2.
PSYCHOLOGY. B.A. City Col. New York, 52, M.A. 53; Ph.D.(psychol), Buf-
falo, 59. Intern clin. psychol, Hillside Hosp, Glen Oaks, N.Y. 53; trainee,
Buffalo Vet. Admin. Hosp, 55-59; psychologist, North Haven Sch. Syst, 60-
65; ASSOC. PROF. PSYCHOL. & DIR. EXAM. PROG, SOUTH CONN. STATE
COL, 61-; PSYCHOLOGIST & COORDINATOR SPEC. SERV, NEW CANAAN
PUB. SChs, 65- Asst. prof, Buffalo, 58-60; psychologist, Clarence Cent.
Sch. Syst, N.Y, 58-60; lectr, Yale, 60-65. U.S.A, 53-55. Psychol. Asn. Mo-
tivation and performance in hospitalized schizophrenic patients; creativity
in high school students. Publ: Effects of censure on the problem solving be-
havior of schizophrenic and normal subjects, J. Personality; The school psy-
chologist—consultant or therapist, Psychol. in the Schs, 64. Address: 6
Wild Oak Lane, Westport, Conn. 06880.
- LOTHRIDGE, DR. CHARLES D(AVID), b. Colonie, N.Y, Jan. 16, 23. PSY-
CHOLOGY. B.S. Union Col.(N.Y), 47; M.A. Columbia, 48, Ph.D. 51. Per-
sonnel analyst, Am. Airlines, Inc, 51-53; personnel consult, Booz, Allen &
Hamilton, 53-58; CONSULT, GEN. ELEC. CO, 59- U.S.A.A.F, 43-46, Capt.
Psychol. Asn. Industrial psychology; investigation of determiners of indus-
trial performance variance; selection of industrial personnel; appraisal of
executive performance; individual development practices. Address: 300 E.
71st St, New York, N.Y. 10021.
- LOTHROP, DR. S(AMUEL) K(IRKLAND), Anthropol, see 10th ed, Soc. & Behav.
Vols, deceased 65.
- LOTHROP, DR. WILLIAM W(ALLACE), b. Ft. Wayne, Ind, Sept. 18, 31;
m. 53; c. 1. CLINICAL PSYCHOLOGY. B.A. New Hampshire, 53, M.A. 54;
Ph.D.(clin. psychol), Tennessee, 59. Clin. psychologist, Vet. Admin. Hosp,
Northampton, Mass, 59-61; New Hampshire, 61-66; ASST. PROF. PSYCHOL,
BOSTON, 66- Psychol. Asn. Conceptual thinking of schizophrenics; con-
struction of tests to evaluate the adjustment of normal individuals. Publ:
Critical review of research on the conceptual thinking of schizophrenics,
J. Nervous & Ment. Disorders; Psychological test covariates of conceptual
deficit in schizophrenia, J. Consult. Psychol. Address: Dept. of Psychology,
College of Basic Studies, Boston University, Boston, Mass. 02215.
- LOTKOWSKI, PROF. WLADYSLAW M, b. Poland, Feb. 24, 10; nat; m. 47; c. 2.
ECONOMIC GEOGRAPHY. B.S. Nautical Acad, Poland, 31; M.A. Columbia,
53, Ph.D.(geog), 60. ASST. PROF. GEOG, Cincinnati, 57-59; North Dakota,
59-61, ANTIOCH COL, 61- Polish & U.S. Merchant Marine, 39-46, Capt.
Asn. Am. Geog. Regional geography of Eastern Europe and the Soviet Union.
Address: Antioch College, Yellow Springs, Ohio 45387.
- LOTSHAW, DR. ELMER P(AUL), b. Cincinnati, Ohio, July 10, 24; m. 48; c. 4.
ECONOMICS. B.S. Ohio State, 48, M.A. 49; Ph.D.(econ), Iowa, 55. Instr.
econ, Iowa, 49-52; assoc. prof. mgt. sch. bus. & pub. admin, Washington
(St. Louis), 52-59; mkt. economist, Pet Milk Co, 59-61; MGR. MKT. &
ECON. RES, OWENS ILL. INC, 61- U.S.A.A.F, 43-46. Econ. Asn; Mkt.
Asn.(v-pres, 66-67); Statist. Asn; Asn. Bus. Econ. Managerial economics;
marketing. Address: 6969 River Rd, Waterville, Ohio 43568.

LOTSOF, DR. ERWIN J, b. Philadelphia, Pa, Oct. 14, 20; m. 52; c. 3. PSYCHOLOGY. Ph.D, Ohio State, 51. Asst. prof. psychiat. & psychol. & dir. psychol. servs. sch. med, Ohio State, 51-54; asst. prof. PSYCHOL, California, Los Angeles, 54-61; PROF, NORTHERN ILLINOIS, 61- Consult, Vet. Admin; State of Illinois, 62-68. Psychol. Asn. Personality and learning theory; goal setting behavior. Publ: Reinforcement value and decision time, J. Psychol; Expectancy for success and decision time & Expectancy and certainty of response, Am. J. Psychol. Address: Dept. of Psychology, Northern Illinois University, De Kalb, Ill. 60115.

LOTT, DR. BERNICE EISMAN, b. Brooklyn, N.Y., Mar. 31, 30; m. 58; c. 3. SOCIAL PSYCHOLOGY. B.A, California, Los Angeles, 51, M.A. & Ph.D. (psychol), 53. Lectr. PSYCHOL, California, Los Angeles & Riverside, 53-56; asst. prof, Colorado, 56-58; from assoc. prof. to prof, Ky. State Col, 58-65; RES. ASSOC, KENTUCKY, 65- Instr, pub. schs, Calif, 54-56; res. grants, John Tracy Clin, Calif, 57-58, Ky. Coun. Human Rel, 59-60, Dept. Health, Ed. & Welfare, 62-63 & Nat. Sci. Found, 67-69. Psychol. Asn. Interpersonal attraction; American subcultures; developmental psychology; social learning. Publ: Co-auth, Negro and white youth: a psychological study in a border-state community, Holt, 63; auth, Attitude formation: the development of a color preference response through mediated generalization, J. Abnorm. & Soc. Psychol; co-auth, A learning theory approach to interpersonal attitudes, In: Psychological foundations of attitudes, (in press). Address: 765 Zandale Dr, Lexington, Ky. 40502.

LOTTER, DR. VICTOR, b. Beaufort West, S.Africa, May 5, 30; m. 63; c. 2. PSYCHOLOGY. B.A, Capetown, 62; Ph.D. (psychol), London, 67. ASST. PROF. PSYCHOL, GUELPH, 67- Brit. Psychol. Soc. Epidemiology of severe behavior disorders in children; child development. Publ: Services for a group of autistic children in Middlesex, chap. In: Early childhood autism, Pergamon, 66 & Epidemiology of autistic conditions in young children I, 66 & II, 67. Soc. Psychiat; co-auth, Autistic conditions in early childhood, Brit. Med. J, 67. Address: Dept. of Psychology, University of Guelph, Guelph, Ont. Can.

LOTTICH, PROF. KENNETH V(ERNE), b. Danville, Ind, Mar. 13, 04; m. 29; c. 1. SOCIAL SCIENCE, EDUCATION. A.B, Hanover Col, 28; M.A, Ohio State, 33; Richards fund scholar, Harvard, 48, D.Ed.(soc. sci. ed), 51. Assoc. prof. hist. & geog, Elon Col, 43-44; acting asst. prof. Am. hist, civilization & geog, State Univ. N.Y. Teachers Col.(Fredonia), 44-48; assoc. prof. ed. Am. hist. & geog, Willamette, 48-57; ED, MONTANA, 57-62, PROF, 62- Asst. Columbia, 45; 66; assoc. inst. ethnic studies, Georgetown; exchange prof, Hawaii, 66; vis. prof, California, Davis, 67-68. Consult, State Dept. Ed, Ore, 52-55. Ed, Soc. Studies Handbook, 52-55. U.S.N.R., 43-44, Lt. Hist. Asn; Comp. Ed. Soc; fel. Int. Inst. Arts & Letters. History of the development of education in the Connecticut Western Reserve in its national and philosophical setting. Publ: Poland, Champion of Latin Christianity, Zürich, 63; New England transplanted, Royal, 64; co-auth, Behind the iron curtain, Caxton, 64. Address: School of Education, Montana University, Missoula, Mont. 59801.

LOTTO, DR. GARY, b. Brooklyn, N.Y. Apr. 27, 33; m. 56; c. 2. STATISTICS. A.B. Brooklyn Col, 53, fel. 54; New Sch. Soc. Res, 54-55; M.S. Pittsburgh, 56. Ph.D.(psychol). 58. Asst. psychol. Brooklyn Col, 53-54; Pittsburgh, 55-57. lectr. psychol. & asst. to dir. measurement lab, 57-58, res. assoc. psychol. & head statist. projs, computation & data processing center, 58-63; PSYCHOLOGIST, INT. BUS. MACH. CORP, YORKTOWN HEIGHTS, 63- Res. scientist, Am. Inst. Res, 60-63. Psychol. Asn; Statist. Asn. Electronic computer programming and supervision, especially statistical applications; learning theory and the mathematical description of behavior. Publ: Inter-correlation routine for an expanded IBM 650 and MRI, multiple regression analysis of the IBM 7070, Ed. Psychol. Measurement; On the generation of all possible stepwise combinations, Math. Comput. Address: R.D. 2, Knolls Rd. Putnam Valley, N.Y. 10579.

LOTZ, HERBERT K(ARL), b. Germany, Mar. 14, 20; nat; m. 48; c. 4. PSYCHOLOGY. B.S. Iowa State, 42; M.A. Iowa, 47; Washington (Seattle), 49-50. Jr. psychologist, div. child welfare, State Dept. Soc. Welfare, Iowa, 46-49, sr. psychologist, 51-53; psychologist, State Off. Pub. Instr, Ill, 54-56, chief psychologist, 56-63; PSYCHOLOGIST, HENRY COUNTY COOP. PSYCHOL. SERV, 63- Psychol. consult, Ill. Pub. Schs, 62- Mem. Coun. Except. Children. U.S.A. 43-46, Med.Serv.C. Res, 48-53, 2nd Lt. Psychol. Asn; Asn. Ment. Deficiency. Mental retardation; learning disabilities; projective techniques. Address: County Office Bldg, Cambridge, Ill. 61238.

LOTZ, DR. JOHN FREDERICK, Econ, see 10th ed, Soc. & Behav. Vols.

LOUBERE, DR. LEO A(LBERT), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LOUBERT, MILDRED RUTT, b. West Hartford, Conn, Mar. 4, 21; m. 45; c. 2. PSYCHOLOGY. B.S. Teachers Col, Conn, 44; M.A. Boston, 46; Harvard, 48-49; George Washington, 59-62; Maryland, 67-68. Teacher, Bd. Ed, Hartford, Conn, 43-44; psychometrist, Children's Hosp, Boston, Mass, 46; psychologist, surv. res. center, Michigan, Boston off, 46-48; counsr, Jewish Voc. Serv, 48-51; soc. psychologist, Greater Boston Community Serv, 52-53; sch. psychologist, dept. pupil appraisal, D.C. Bd. Ed, 59-61; res. psychologist, counseling center, Gallaudet Col, 61-63; psychologist, Proj. Hope, Conakry, Guinea, 64-65; SCH. PSYCHOLOGIST, BD. ED, PRINCE GEORGE'S COUNTY, 66- Clin. psychologist, New Eng. Med. Center, Boston Floating Hosp, 47-48. AAAS; Psychol. Asn; Personnel & Guid. Asn. Diagnostic and clinical work and counseling with children and adolescents; behavioral modification techniques in the classroom. Publ: Problems in placement, D.C. Guid. Newsletter; Counseling the counselors for the deaf, In: Performance, the story of the handicapped. Address: 7501 Sebago Rd, Bethesda, Md. 20034.

LOUBSER, DR. J. J, b. South Africa, Oct. 30, 32; m. 60; c. 2. SOCIOLOGY. B.A. Stellenbosch, 54, M.A. 58; Ph.D.(sociol), Harvard, 64. Asst. prof. sociol, Toronto, 64-68, assoc. prof, 66-68; ASSOC. PROF. SOCIOL. IN ED. & CHMN. DEPT, ONT. INST. STUDIES ED, 68- Sociol. Asn; Can. Sociol. &

Anthrop. Asn. Social change in contemporary society; processes of change in developing societies. Address: 102 Bloor St. W, Toronto 5, Ont, Can.

LOUCKS, PROF. ROGER B(ROWN), b. Toledo, Ohio, Aug. 19, 03. PSYCHOLOGY. B.S. Minnesota, 27, Ph.D.(psychol), 30. Nat. Res. Coun. fel. psychol, Phipps Clin, Hopkins Hosp, 30-32, Rockefeller Found. fel, 32-33, asst. psychobiol, 33-36; instr. PSYCHOL, WASHINGTON (SEATTLE), 36-38, asst. prof, 38-42, from assoc. prof. to prof, 46-48, chmn. dept, 49-59, PROF, 59-Sr. psychologist, Sch. Aviation Med, U.S. Air Force, Tex, 42-46. Psychol. Asn. Neurophysiological basis of behavior; conditioned reflexes. Address: Dept. of Psychology, University of Washington, Seattle, Wash. 98105.

LOUCKS, PROF. WILLIAM N(EGELE), b. Somerset, Ohio, Dec. 13, 99. ECONOMICS. A.B. Heidelberg Col, 22, L.H.D. 50; A.M. Ohio State, 23; Ph.D. Pennsylvania, 28. Instr. ECON, PENNSYLVANIA, 23-28, asst. prof, 28-35, assoc. prof, 35-40, PROF, 40- Wage stabilization dir, pub. mem. & v.chmn. Regional War Labor Bd, 42-45. Econ. Asn; Indust. Rels. Res. Asn. Economics of socialism. Publ: Comparative economic systems. Address: Dept. of Economics, University of Pennsylvania, Philadelphia, Pa. 19104.

LOUDENSLAGER, DR. ELLEN W(HALEY), b. Ozark, Ala, Jan. 8, 05; m. 26; c. 1. PSYCHOLOGY. A.B. Asbury Col, 25; M.A. Kentucky, 27, univ. scholar, 40-42, Ph.D.(psychol), 42; Cincinnati, 43-44, 47-48; summers, Western Reserve, 49; Mich. State, 50. Head dept. lang. high sch, Maysville, 25-26; instr, high sch, S.Dak, 26-27; head dept. lang. & dean women, Bob Jones Col, 27-29; asst. prof. Latin & ed, Asbury Col, 29-31; teacher, high sch, Ky, 31-33, prin, 33-36; asst. prof. French & dean women, Transylvania Col, 38-39; instr. acad. dean & guid. counsr, Sayre Sch. Girls, 39-43; SCH. PSYCHOLOGIST, CINCINNATI BD. ED, 45- Instr, north. br, Kentucky, 46-64; psychologist, schs, Ft. Thomas, Ky. & North College Hill, Ohio, 60-65. Participant, Am. Psychol. Asn. Post-doctoral Inst, 52- Psychol. Asn. Ability, personality and character evaluation; education of students, teachers and parents in understanding and alleviating psychological problems through counseling and discussion groups and working in collaboration with community agencies. Address: Education Center, Cincinnati Public Schools, 230 E. Ninth St, Cincinnati, Ohio 45202.

LOUGH, DR. THOMAS S(TEPHENS), b. Detroit, Mich, May 21, 28; m. 48; c. 4. INTERNATIONAL RELATIONS, SOCIAL PSYCHOLOGY. B.S. Michigan, 49, A.M. 52, Ph.D. 61. Engr, Kaiser-Frazer Corp, 52-53; Ford Motor Co, 53-54; asst. study dir, inst. soc. res, Michigan, 54-55, res. assoc. inst. sci. & tech, 56-61, assoc. center res. in conflict resolution, 61-62; for. affairs officer, U.S. Arms Control & Disarmament Agency, D.C. 62-66; polit. affairs officer, disarmament affairs div, UN, N.Y. 66-67; ASSOC. PROF. SOCIOL, KENT STATE, 67- Psychol. Asn; Sociol. Asn; Int. Studies Asn. Disarmament; world order; sociology. Publ: Studies of disarmament within governments, 62-67. Address: 1743 Walnut Rd, Kent, Ohio 44240.

LOUGH, WILLIAM H(ENRY), b. Dayton, Ohio, May 11, 81. ECONOMICS. A.B. Harvard, 01, A.M. 02. Mem. traffic dept, Baltimore & Ohio R.R., 02-04; ed. staff, Wall St. J, 04-05; from instr. to prof. finance & transportation, sch. commerce & finance, N.Y. Univ, 05-10; founder, Alexander Hamilton Inst, 10, v-pres, 10-15; PRES, TRADE WAYS, INC, 15- Spec. agent, U.S. Dept. Commerce, S.Am, 14-15. Exec. secy. cmd. ed. & spec. training, U.S. War Dept, 17-18; in charge bus. training, Army Ed.C, France, 18-19. Econ. Asn; Statist. Asn; Mkt. Asn. Merchandising practice; corporate practice and finance; banking opportunities in South America. Address: 670 Pelham Rd, New Rochelle, N.Y. 10805.

LOUGHARY, PROF. JOHN W(ILLIAM), b. Omak, Wash, Nov. 6, 30; m. 52; c. 5. COUNSELING PSYCHOLOGY. B.S. Oregon, 52; M.A. Iowa, 56, Ph.D. 58. Teacher & v.prin, high sch, Ore, 53-56; dir. guid, Univ. Iowa High Sch, 55-58; acting asst. prof. ed, California, 58-59; supvr. guid. & res, pub. schs, Calif, 59-61; dir. Ed. Res. & Develop, Instructional Sys, Calif, 61-62; PROF. ED, OREGON, 62- Consult, SDC Corp, 63-; Willamette Indus, 65-; URS Corp, 66- Psychol. Asn; Personnel & Guid. Asn; Asn. Ed. Data Sys. (ed, 62-64). Design of education and training systems; programmed instruction. Publ: Counseling in secondary schools; co-auth, Man-machine systems in education, Harper, 66; Counseling, a growing profession, Am. Personnel & Guid. Asn, 65. Address: 3255 Olive St, Eugene, Ore. 97405.

LOUHI, DEAN KULLERVO, b. Helsinki, Finland, Apr. 7, 18; nat; m. 52; c. 1. BUSINESS ADMINISTRATION. A.B. Chicago, 39, M.B.A. 40, Ph.D.(bus. admin), 55. Instr. acct, Kansas, 40-43, 46; from instr. to assoc. prof, Chicago, 47-58; ASSOC. DEAN, COL. BUS. & GRAD. SCH. BUS. ADMIN, MICH. STATE, 58- Adv. Acad. Econ. & Commercial Sci, Turkey, 65-67. U.S.A., 43-46. Econ. Asn; Am. Acct. Asn. Accounting; business finance; business organization and policies. Publ: Management planning for corporate taxes; Managerial accounting and control: selected topics, Izmir, Turkey: Karınca Matbaacılık ve Ticaret Kollektif Sirketi, 66. Address: College of Business, Michigan State University, East Lansing, Mich. 48823.

LOUIS, DR. NICHOLAS B(YRON), b. Chicago, Ill, Mar. 23, 27. EXPERIMENTAL PSYCHOLOGY. A.B. Emory, 48; M.A. & Ph.D.(psychol), Columbia, 52. Acting head sound & vibration sect, Army Med. Res. Lab, 52-53; res. assoc. & admin. asst, dept. psychiat, Ill. Neuropsychiat. Inst, 54; fel. Beatty Mem. Hosp, Westville, Ind, 55; res. assoc. & res. scientist, HumRRO, George Washington, 55-60; assoc. prof. psychol, chmn. dept. & dir. res. adv. & data processing off, Valparaiso, 60-65; assoc. prof. med. psychol. & dir. visual sci. curriculum, sch. med, Missouri, 65-66; sr. eval. officer, off. int. training, Agency Int. Develop, 66-68; PROG. MGR. COOP. ED. RES. LAB, NORTFIELD, 68- Consult, Agency Int. Develop, Turkey, 62; Abbott Labs, 67- AAAS; Psychol. Asn; Acoustical Soc. Psychophysiology; vision; aviation and military training; experimental design: flight simulators; cancer chemotherapy; human resources development; international training; evaluation of human performance and achievement. Address: 10721 S. Hoyne Ave, Chicago, Ill. 60643.

LOUIS, DR. PAUL P, b. Pallithode, India, Sept. 26, 18. ECONOMICS, EDUCATION. S.T.L. St. Joseph Col.(India), 48; B.S. San Francisco, 55; M.B.A. Detroit, 56; D.Ed, Mich. State, 60. Pastor, Diocese Alleppey, India,

- 47-53; instr. ECON, Aquinas Col., 57-58; Nazareth Col. (Mich.), 58-60; asst. prof., San Diego, 60-62; ASSOC. PROF., 62-64; DAYTON, 64- Econ. Asn; Soc. Adv. Mgt; Nat. Ed. Asn. Micro-economics. Publ: Problems of education in India, Mich. State Univ., 60; Upgrade janitors, Cath. Bus., 3/64; Grading and promotion, Cath. Educator, 12/67. Address: Dept. of Economics, University of Dayton, Dayton, Ohio 45409.
- LOUNSBURY, PROF. FLOYD G(LENN), b. Stevens Point, Wis., Apr. 25, 14; m. 52; c. 1. ANTHROPOLOGY. B.A., Wisconsin, 41, M.A., 46; Ph.D. (anthrop), Yale, 49. Asst. prof. ANTHROP, YALE, 49-55; assoc. prof., 55-61, PROF., 61- U.S.A.A.F., 42-46. Anthropol. Asn; Ling. Soc. Linguistics; ethnology. Address: Dept. of Anthropology, Yale University, New Haven, Conn. 06520.
- LOUNSBURY, DR. JOHN F(REDERICK), b. Perham, Minn., Oct. 26, 18; m. 43; c. 3. GEOGRAPHY. B.S., Illinois, 42, M.S., 46; Ph.D. (geog.), Northwestern, 51. Asst. dir. rural land classification prog., P.R. Dept. Agr. & Commerce, 49-51; from asst. prof. to prof. geog. & chmn. dept. earth sci., Antioch Col., 51-61; CHMN. DEPT. GEOG. & GEOL., EASTERN MICHIGAN, 61-; PROJ. DIR. CMN. COL. GEOG., ASN. AM. GEOGR., 65- Vis. prof., Georgia, 59; prof., Eastern Michigan, 61-67; summer vis. prof., Mich. State, 61, 63 & 65. Consult., Dayton Metrop. Studies, Inc., 57-59; dir. urban studies, Antioch Col.-Ford Found., 60-61; proj. dir. geog. in lib. ed. proj., Asn. Am. Geogr., 63-65. Mem. cmt. geog., Pan-Am. Inst. Nat. Acad. Sci.-Nat. Res. Coun., 62-65. U.S.A., 42-46, 1st Lt. AAAS; Asn. Am. Geog.; Am. Geog. Soc.; Nat. Coun. Geog. Ed.; Planning Asn. Land use; Caribbean America; industrial and urban geography. Publ: Workbook for weather and climate: co-auth., Earth science, Harper, 68; auth., Industrial development of the Ohio Valley, J. Geog. Address: Dept. of Geography & Geology, Eastern Michigan University, Ypsilanti, Mich. 48197.
- LOURIE, NORMAN V(ICTOR), b. Brooklyn, N.Y., Feb. 1, 12; m. 45; c. 5. SOCIAL WORK. B.S., N.Y. Univ., 36; M.S., Columbia, 38. Res. assoc., New York Welfare Coun., Russell Sage Found., 37-39; asst. dir., Bronx House Settlement, 39-41; dir., Madison House Settlement, 41-43; Hawthorne Cedar Knolls Sch., 46-51; exec. dir., Phila. Asn. Jewish Children, 51-56; EXEC. DEP. SECY, STATE DEPT. PUB. WELFARE, PA, 56- Assoc. prof., sch. soc. work, Adelphi Col., 49-51; adj. prof., grad. sch. soc. work, Pittsburgh, 66- Consult., Fels Inst. Local & State Govt., Pennsylvania, 52-55; Gov. Adv. Cmt., 54; Nat. Inst. Ment. Health, 64-67; Off. Econ. Opportunity, 65-; Nat. Inst. Child Health & Develop., 68. Assoc. trustee, Pennsylvania, 60. Mem. Soc. Serv. Cmt. Greater Phila. Movement, 54; mem. bd. exec. cmt. & chmn. cmt. studies, Joint Cmn. Ment. Health Children, 66- Med. Serv. C., 43-46, 1st Lt. Asn. Social Workers (v.pres., 58-60, pres., 60); fel. Orthopsychiat. Asn. (pres., 66-67); Nat. Asn. Ment. Health. Residential treatment of emotionally disturbed children; public welfare administration; community planning for social welfare; juvenile delinquency. Publ: What can the parents of a troubled child do for the child and for himself in the WHY report, Bernhard; What is known about mental illness, Pa. Psychiat. Quart., Vol. 8, No. 5; Orthopsychiatry and education, J. Orthopsychiat., 10/67. Address: 1722 N. Second St., Harrisburg, Pa. 17102.
- LOUTTIT, DR. RICHARD T(ALCOTT), b. Bloomington, Ind., Dec. 5, 32; m. 54; c. 2. PSYCHOLOGY. A.B., DePauw, 54; A.M., Michigan, 59, Ph.D. (psychol.), 61. Asst. prof. psychol., Univ. of the Pacific, 61-64; grants assoc. sci. admin., Nat. Insts. Health, 64-65; grants prog. specialist neuropsychol., NAT. INST. MENT. HEALTH, 65-67, CHIEF BEHAV. SCI. RES. BR., 67- U.S. Pub. Health Serv. res. grant, 62-64. U.S.N.R., 54-57, Lt. (jg). AAAS; Psychol. Asn. Role of serotonin and other brain chemicals in the production of behavior; chemical effects on intelligence in the retarded; chemical stimulants and neural consolidation of memory. Publ: Ed. Research in physiological psychology, Wadsworth, 65; auth., Effect of phenylalanine and isocaproic acid feeding on brain serotonin and learning behavior in the rat, J. Comp. & Physiol. Psychol., 55: 425-428; Chemical facilitation of intelligence among the mentally retarded, Am. J. Ment. Deficiency, 69: 495-501. Address: Behavioral Sciences Research Branch, National Institute of Mental Health, 5454 Wisconsin Ave., Chevy Chase, Md. 20203.
- LOVAAS, DR. O(LE) IVAR, b. Lier, Norway, May 8, 27; m. 55; c. 4. PSYCHOLOGY. B.A., Luther Col., 51; M.S., Washington (Seattle), 54, Ph.D. 58. Acting asst. prof. PSYCHOL., Washington (Seattle), 58-61; asst. prof., CALIFORNIA, LOS ANGELES, 61-65, assoc. prof., 65-67, PROF., 67- Norway. Army, 48-49. Psychol. Asn; Soc. Res. Child Develop. Learning; language behavior; experimental psychopathology. Publ: Interaction between verbal and non-verbal behavior, Child Develop.; Acquisition of imitative speech in schizophrenic children, Science, 151: 705-707; Behavior therapy approach to treatment of childhood schizophrenia, In: Minnesota symposia on child psychology, Univ. Minnesota, Vol. I, 67. Address: Dept. of Psychology, University of California, Los Angeles, Calif. 90024.
- LOVE, DR. ALAN P(AYNE), b. Tucson, Ariz., Oct. 16, 32; m. 61; c. 1. POLITICAL SCIENCE, ECONOMICS. B.A., Colorado, 54; Fulbright scholar, Vienna, 54-55, Dr. rer. polit. (int. law, polit. philos.), 59. Instr. POLIT. SCI., Wis. State, River Falls, 60-61; asst. prof., SOUTH. COLO. STATE COL., 61-65, ASSOC. PROF., 65-, HEAD DEPT., 63-, MEM. FACULTY SENATE, 64-Ord.C., U.S.A., 57-59. Acad. Polit. & Soc. Sci. Basic values of democratic philosophy; characteristics of contemporary political systems analysis, especially political culture; university and college government; college honors program; problems of liberal, interdisciplinary education. Publ: Die Rechtsphilosophie Jeremy Bentham's, Austrian J. Pub. Law, spring 61. Address: Dept. of Political Science, Southern Colorado State College, Pueblo, Colo. 81005.
- LOVE, PROF. CLAUDE DAVID, b. Iosco Co., Mich., Sept. 24, 00; m. 27; c. 2. BUSINESS ADMINISTRATION. A.B., Central Michigan, 27; M.A., Michigan, 31. Asst. prof. commerce, CENTRAL MICHIGAN, 39-48, PROF. COMMERCE & HEAD DEPT., 48- Circuit court cmn., Isabella County, Mich., 42-48. Asn. Address: Dept. of Commerce, Central Michigan University, Mt. Pleasant, Mich. 48858.
- LOVE, PROF. GENE M(ILLER), b. Erwin, Tenn., Feb. 28, 28; m. 53; c. 3. AGRICULTURAL EDUCATION. B.S., Pa. State, 49, Coke-Oven Ammonia Res. Bur. fel., 51-54, M.S., 53, Ph.D. (agr. ed.), 54. Teacher, high sch., Pa., 49-51, 54; consult., Stanford-Int. Coop. Admin. contract, cent. Luzon. Agr. Col., P.I., 56-58; asst. prof. AGR. ED., Pa. State, 58-67; ASSOC. PROF. MIS-SOURI, COLUMBIA, 67-, CHMN. DEPT., 68- U.S. Off. Ed. grant, 65-68. Chmn. res. cmt., N. Atlantic Res. Conf., 63-66. U.S.A.F., 56-58, 1st Lt. Voc. Asn. Educational effectiveness of inservice teacher education courses. Publ: Educational effectiveness of three sequences of scheduling classes and of three patterns of supervision and instruction in an inservice education course for teachers, Teacher Ed. Res. Series, Dept. Agr. Ed., Pa. State Univ., Vol. 5, No. 2; Educational effectiveness of two sequences of scheduling classes and of two techniques of teaching and off-campus inservice teacher education course, Progress Report, Pa. Agr. Exp. Sta., Pa. State Univ., 68; Graduates of agricultural education at the University of Missouri, Agr. Ed. Res. Series, Dept. Agr. Ed., Univ. Missouri, Vol. 1, No. 2. Address: 122 Waters Bldg., University of Missouri, Columbia, Mo. 65201.
- LOVE, PROF. HAROLD C(LYDE), b. Wilsey, Kans., June 12, 11; m. 37; c. 3. AGRICULTURAL ECONOMICS. B.S., Kansas State, 33, M.S., 52; Ph.D., Iowa State, 56; Harvard, 68-69. Loan supvr., drought loan dept., State Emergency Relief Cmt. & Resettlement Admin., Kans., 34-35; county agent, Meade County Farm Bur., 35-37, 44-48, from asst. prof. to assoc. prof. AGR. ECON., Kans. State Col., 48-57; prof. & chmn. dept., Houston, 57-62; PROF., ALBERTA, 62- Mgr. real estate, Berryman Bros. & Co., 37-44. Res. consult., Govt. Alta., 65-68. Mem. Nat. Farm Mgt. Cmt., Can., 67-68; cmt. input/output data for beef & milk prod., Orgn. Econ. Coop. & Develop. Meetings, Paris, 67 & 68. Am. Agr. Econ. Asn; Econ. Asn; Can. Agr. Econ. Soc. Farm management and production economics; statistics and methodology; agricultural policy; statistical and linear programming applications to resource adjustment on farms. Publ: Income variation in beef production, Res. Bull. 1, 1/66, Crop production risk in Alberta, 1946-1966, Res. Bull. 5, 5/68 & Alberta pasture resources and estimated potential beef production from improvement of privately owned land, Res. Bull. 6, 5/68, Dept. Agr. Econ., Univ. Alberta. Address: Dept. of Agricultural Economics, University of Alberta, Edmonton, Alta., Can.
- LOVE, PROF. HARRY M(ORGAN), b. Lunenburg Co., Va., Sept. 13, 01; m. 29; c. 2. AGRICULTURAL ECONOMICS. B.S., Va. Polytech., 24, M.S., 32; Ph.D. (agr. econ), Cornell, 38. Assoc. prof. AGR. ECON., VA. POLYTECH., 38-40, prof., 40-66, head dept. agr. econ. & rural sociol., 46-66, EMER. PROF., 66- Adv. agr. cmt., Va. Bankers Asn., 42-66; Am. Bankers Asn., 49-56. Agr. Econ. Asn. Farm finance; agricultural policy; farm management. Address: 601 Airport Rd., P.O. Box 484, Blacksburg, Va. 24060.
- LOVE, PROF. JEAN O., b. York, S.C., Feb. 27, 20. PSYCHOLOGY. A.B., Erskine Col., 41; M.A., Winthrop Col., 49; Ph.D. (ed), North Carolina, 53. Voc. counsr., Inst. Living, Hartford, Conn., 49-51, 53-54; PROF. PSYCHOL. & CHMN. DEPT., LEBANON VALLEY COL., 54- Penelope McDuffie fel., Am. Asn. Univ. Women, 66-67; fel., Heinz Werner Inst. Develop. Psychol., Clark, 67. W.A.V.E.S., 43-46, Lt. Psychol. Asn. Creativity; psychology and the humanities; cognition and literature. Publ: Worlds in consciousness: mythopoetic thought in the novels of Virginia Woolf, in press, 67; Educational background and job adjustment of private hospital psychiatric aides, Am. J. Psychiat.; Personality, pathology and creativity, Midwest Rev., 61. Address: 128 E. Main St., Annville, Pa. 17003.
- LOVE, DR. JOHN M(ERTON), b. Ottawa, Ont., Nov. 23, 39; U.S. citizen; m. 63. PSYCHOLOGY. B.A., California, Davis, 61; M.A., San Jose State Col., 63; Nat. Inst. Ment. Health fel., Iowa, 65-66, Ph.D. (child psychol.), 66. Res. asst. child psychol., Iowa, 63-65; asst. prof. PSYCHOL., TEMPLE BUELL COL., 66- Vis. asst. prof., Colorado, summer 67. Psychol. Asn; Soc. Psychol. Study Social Issues; Soc. Res. Child Develop. Child psychology; learning; motivation; cognitive development. Publ: Co-auth., Response speed following failure in a two-choice game as a function of reward, punishment, and response pattern, J. Exp. Psychol., 66. Address: Dept. of Psychology, Temple Buell College, Denver, Colo. 80220.
- LOVE, DR. JOSEPH L., JR., Latin Am. Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LOVE, PROF. ROBERT A(LONZO), b. Chriesman, Tex. ECONOMICS. A.B., Southwestern (Tex.), 22, hon. LL.D., 56; A.M., Columbia, 24, Ph.D., 31. Lectr., CITY COL. NEW YORK, 28-31, asst. prof., 31-36, assoc. prof. ECON., 36-39, PROF., 49-, DIR. EVE. & EXTEN. DIV. SCH. BUS., 41-, asst. dir. in charge eve. session, 39-41. Pres. & dir., Investors Coun., Inc.; Capital Shares, Inc.; chmn. bd., Capital Income Fund, Inc. Business administration; economics of installment selling; price cutting and maintenance. Address: 17 Lexington Ave., New York, N.Y. 10010.
- LOVEJOY, PROF. A(LBERT) E(DWIN), b. Meredith, N.H., Apr. 19, 23; m. 46; c. 3. SOCIOLOGY. A.B., North Carolina, 47, A.M., 49, Ph.D., 57; Duke, 49-50. Asst., North Carolina, 49-50; asst. prof. sociol., Lynchburg Col., 50-55, ASSOC. PROF. sociol. & soc. studies, 55-57; SOCIOL., OTTERBEIN COL., 57- Sociol. Asn; Soc. Sci. Study Relig.; Nat. Coun. Family Relis. Sociology of religion; American minority problems; marriage-family relations. Address: Otterbein College, Westerville, Ohio 43081.
- LOVEJOY, DR. ELLIAH PARISH, b. Detroit, Mich., Dec. 18, 40; m. 64. EXPERIMENTAL PSYCHOLOGY. A.B., Princeton, 62; univ. fel., Pennsylvania, 63-64, Nat. Sci. Found. fel., 64-66, Ph.D. (psychol.), 66. ASST. PROF. PSYCHOL., CALIFORNIA, SANTA BARBARA, 67- NATO fel., 66-67. AAAS. Mathematical learning theory; attention in animal learning. Publ: Attention in discrimination learning, Holden-Day, 68; Analysis of the overlearning reversal effect, Psychol. Rev., 68; An attention theory of discrimination learning, J. Math. Psychol., 65. Address: Dept. of Psychology, University of California, Santa Barbara, Calif. 93106.
- LOVEJOY, DR. GORDON W(ILLIAMS), b. Oak Park, Ill., Jan. 16, 11; m. 43. SOCIOLOGY. B.A., Florida, 35, M.A., 38; fel., North Carolina, 38-41, Ph.D. (sociol.), 41. Chmn. dept., Furman, 41-42; prof., Lynchburg Col., 45-47;

Bronston prof. human rels, Miami (Fla), 47-50; ed. consult, NAT. CONF. CHRISTIANS & JEWS, 50-56, NAT. PROG. CONSULT, 56-; PROF. SOCIOL. & HEAD DEPT, TULSA, 63- Vis. prof, Guilford Col, 51-63. Summer consult, Off. Ed, Dept. Health, Ed. & Welfare, 65-66. Mem. mayors cmt, res. probs. poverty, Tulsa, Okla, 66- U.S.N, 42-45, Lt. Fel. Sociol. Asn. Inter-group relations; educational sociology; race relations. Publ: Paths to maturity; Toward better human relations; Character building and human relations, Bull, Tex. Asn. Cols. Address: 1415 E. 19th St, Tulsa, Okla. 74120.

LOVEJOY, PROF. ROBERT M (acDONALD), b. Sugar Grove, Pa, Mar. 17, 11; m. 42; c. 3. MARKETING. A.B. Cornell, 32; M.B.A. Harvard, 34. From instr. to asst. prof. mkt. & head dept, Tulsa, 37-41; from assoc. prof. to PROF. RETAILING & HEAD DEPT, DRAKE, 47- Trainee, J.C. Penney Co, N.Y., 34-35; asst. mgr. automobile div, Flintkute Co, 35-37; asst. sales mgr, Orange Crush Co, Ill, 46-47. Ord.C, 41-46, Lt. Col. Collegiate Retailing Asn. (pres, 64-66); Mkt. Asn. Merchandising management and control; electronic data processing; retail and sales management. Address: College of Business Administration, Drake University, Des Moines, Iowa 50311.

LOVEJOY, PROF. WALLACE F (RANCIS), b. New Rochelle, N.Y. Nov. 10, 28; m. 51; c. 1. ECONOMICS. B.A. Rice Inst, 50; M.A. Southern Methodist, 51; Ph.D. (econ), Wisconsin, 56. Instr. commerce & econ, Vermont, 54-56, asst. prof, 56-57; econ. analyst, coordinating & planning dept, Continental Oil Co, Tex, 57-59; asst. prof. ECON, SOUTHERN METHODIST, 59-60, assoc. prof, 60-64, PROF, 64- Southwest. Bell Tel. Co. scholar, 59-61; Resources for the Future res. grants, 62-68. Econ. Asn. Industrial organization and public policy; natural resources; public utilities; problems of oil and gas; oil conservation; competition among energy supplies. Publ: Co-auth, Public utility economics, Prentice-Hall, 64; Economic aspects of oil conservation regulation, Johns Hopkins, 67; Methods of estimating reserves of crude oil, natural gas and natural gas liquids, Resources for the Future, 65. Address: Dept. of Economics, Southern Methodist University, Dallas, Tex. 75222.

LOVELAND, DONALD B (EACH), Statist, see 11th ed, Phys. & Biol. Vols.

LOVELAND, PROF. EDWARD H (ENRY), b. New York, N.Y. Aug. 3, 22; m. 52; c. 1. PSYCHOLOGY. B.S. Queens Col. (N.Y.), 48; Ph.D. (psychol), Tennessee, 52. Instr. psychol, Ga. Inst. Tech, 50-52; proj. dir, Am. Inst. Res, 52-53; asst. prof. PSYCHOL, GA. INST. TECH, 53-57, assoc. prof, 57-63, PROF, 63-64, DIR. SCH. PSYCHOL, 59- U.S.A., 44-46. AAAS; Psychol. Asn. Industrial psychology; psychological measurement theory; test construction. Address: 225 North Ave. N.W., Atlanta, Ga. 30313.

LOVELAND, DR. JERRY K, b. Lorenzo, Idaho, Feb. 1, 28; m. 48; c. 2. POLITICAL SCIENCE. B.A. Brigham Young, 51; Fulbright fel, Manchester, 51-52; M.A. California, Los Angeles, 54; Ph.D. (polit. sci), American Univ, 67. Teaching asst. polit. sci, California, Los Angeles, 52-55; asst. prof. POLIT. SCI. & HIST, CHURCH COL. HAWAII, 55-66, ASSOC. PROF, 66-67, CHMN. DEPT. HIST. & SOC. SCI, 55-67, DIR. CENTER PAC. ISLANDS STUDIES, 59- U.S.A., 46-47. Polit. Sci. Asn; Polynesian Soc. Politics of development in emerging Pacific island areas. Address: Dept. of History & Social Sciences, Church College of Hawaii, Laie, Hawaii. 96762.

LOVELAND, DR. NATHENE, Psychol, see 10th ed, Soc. & Behav. Vols.

LOVELESS, DR. EUGENE J, b. New York, N.Y. Sept. 3, 32; m. 58; c. 5. PSYCHOLOGY. B.S. Manhattan Col, 55; M.A. Notre Dame, 57; Ph.D. St. John's (N.Y.), 63. Nat. Inst. Ment. Health fel. clin. res. psychol, Menninger Found, 63-64; ASST. PROF. counseling & guid, Manhattan Col, 64-66; PSYCHOL, NOTRE DAME, 66- U.S.A.F, 57-59, 1st Lt. Psychol. Asn. Experimental personality and educational psychology; psychological test and assessment procedures. Address: Dept. of Psychology, University of Notre Dame, Notre Dame, Ind. 46556.

LOVELESS, HARRY E (DWARD), b. Stuttgart, Ark, Aug. 18, 20; m. c. 2. INDUSTRIAL PSYCHOLOGY. B.S. Purdue, 49, M.S. 50. Personnel res. asst, E.I. DU PONT DE NEMOURS & CO, 50-66, RES. PSYCHOLOGIST, 66- U.S.A.F, 42-45, Capt. Psychol. Asn. Personnel evaluation and selection; use of psychological tests; analysis of multivariate data. Publ: Co-auth, Validation studies involving successive classes of trainee stenographers, Personnel Psychol. Address: 501 Baynard Blvd, Wilmington, Del. 19803.

LOVELL, DR. C. A. KNOX, b. Teaneck, N.J., July 15, 42. ECONOMICS. A.B. Col. William & Mary, 63; Ph.D. (econ), Duke, 66. Asst. prof. ECON, State Univ. N.Y. Binghamton, 66-68; FEL, CHICAGO, 68- State Univ. N.Y. Res. Found. fel, summer 67. Econ. Asn; Asn. Study Soviet-Type Econ. Theoretical and empirical analysis of production relationships in the United States economy; planning reforms in the Soviet economy. Publ: Capital, profit and bonus in Soviet industry: a comment, *Economica*, 66; Capacity utilization and production function estimation in postwar, *Quart. J. Econ*, 68; Profits and cybernetics as sources of increased efficiency in Soviet, *South. Econ. J.*, 68. Address: Dept. of Economics, State University of New York at Binghamton, Binghamton, N.Y. 13901.

LOVELL, DR. CONSTANCE D (ORA), b. Columbia, Mo, Mar. 11, 14. PSYCHOLOGY. B.A. Carleton Col, 36; M.A. Southern California, 39, Ph.D. (psychol), 42. Asst. psychol. lab, SOUTHERN CALIFORNIA, 37-42, instr, 42-46, asst. prof. PSYCHOL, 46-50, ASSOC. PROF, 50- Fel. Psychol. Asn. Analysis of personality structure; scaling techniques. Publ: Advanced statistical exercises; Effect of special construction of test items on their factor composition, *Psychol. Monogr*; Study of the factor structure of thirteen personality variables, Ed. & *Psychol. Measurement*. Address: Dept. of Psychology, University of Southern California, Los Angeles, Calif. 90007.

LOVELL, PROF. GEORGE D (OSS), b. Waco, Tex, Aug. 28, 16; m. c. 3. PSYCHOLOGY. B.A. Baylor, 38; M.A. Northwestern, 39, Ph.D. (psychol), 41. Instr. psychol, Grinnell Col, 41-44; Northwestern, 44; asst. prof, Grinnell Col, 44-46, assoc. prof, 46-49, prof, 49-55; PROF. PSYCHOL. & CHMN. DEPT. & ASSOC. DIR, INST. PERSONAL DEVELOP, WABASH COL, 55-

Asst. dir, Army Spec. Training Prog, Grinnell Col, 43-44. Fel. AAAS; fel. Psychol. Asn; N.Y. Acad. Sci. Industrial and abnormal psychology; counseling. Publ: Physiological responses to a regularly recurring sound, a study in monotony; Psychology of abnormal people. Address: Dept. of Psychology, Wabash College, Crawfordsville, Ind. 47933.

LOVELL, PROF. HUGH G (ILBERT), b. Nottingham, Eng, May 25, 26; nat. ECONOMICS. B.A. Pomona Col, 47; Ph.D. (indust. econ), Mass. Inst. Tech, 51. Res. asst, inst. indust. rel, California, Los Angeles, 51-54, prin. exten. rep, 52-54; from asst. prof. to ASSOC. PROF. ECON, Portland Exten. Center, Oregon, 54-62; PORTLAND STATE COL, 62-, DIR. CENTER ECON. ED, 67- Vis. asst. prof, sch. pub. admin, California, Los Angeles assigned to inst. admin. affairs, Univ. Tehran, Iran, 58-60. Mem. Ore. State Labor-Mgt. Rels. Bd, 68- Indust. Rel. Res. Asn; Econ. Asn. Collective bargaining; labor law; economic education. Publ: Collective bargaining in the motion picture industry; Pressure lever in mediation & co-auth, Are coal strikes national emergencies, *Indust. & Labor Rel. Rev.* Address: Portland State College, P.O. Box 751, Portland, Ore. 97207.

LOVELL, DR. JOHN PHILIP, b. Racine, Wis, Aug. 12, 32; m. 58; c. 2. POLITICAL SCIENCE. B.S. U.S. Mil. Acad, 55; M.A. Wisconsin, 59, Ph.D. (polit. sci), 62. Instr. GOVT, INDIANA, 62-64, asst. prof, 64-67, ASSOC. PROF, 67- U.S.A., 55-58, Res, 58-65, Lt. Polit. Sci. Asn; Asn. Asian Studies; Int. Studies Asn. Role of the military in developing nations and in America; American foreign policy process. Publ: The study of the military in developing nations: devising meaningful and manageable research strategies, *Monogr, Carnegie Seminar Polit. & Admin. Develop, Indiana Univ*, 67; The professional socialization of the West point cadet, In: The new military: changing patterns of organization, 64; co-auth, The military and political change in Asia, *Pac. Affairs*, spring-summer 67. Address: Dept. of Government, Indiana University, Bloomington, Ind. 47401.

LOVELL, PROF. MICHAEL CHRISTOPHER, b. Cambridge, Mass, Apr. 11, 30; m. 59; c. 3. ECONOMICS. B.A. Reed Col, 52; M.A. Stanford, 54; Earhart Found. fel, Harvard, 56, Soc. Sci. Res. Coun. fel, 57, Ph.D. 59. Asst. ECON, Stanford, 52-53; instr, Yale, 58-59, asst. prof, 59-63; assoc. prof, CARNEGIE-MELLON UNIV, 63-66, PROF, 66- Jr. mgt. asst, U.S. Census Bur, 52-53; vis. lectr, Wesleyan, 60-62; Nat. Sci. Found. res. grants, 62-64 & 66-68; Ford Found. faculty res. fel, 64-65. Consult, Coun. Econ. Adv, 64 & 67. U.S.A., 53-55. Economet. Soc; Econ. Asn. Determinants of manufacturing and trade inventory investment; contribution of fluctuations in inventory investment to recessions in business activity. Publ: Buffer stocks, sales expectations, and stability: a multi-sector analysis of inventory cycle, *Econometrica*, 62; Alternative axiomatizations of seasonal adjustment, *J. Am. Statist. Asn*, 9/66; co-auth, Some simple propositions concerning cost-push inflation, *Am. Econ. Rev*, 9/66. Address: Dept. of Economics, Graduate School of Industrial Administration, Carnegie-Mellon University, Pittsburgh, Pa. 15213.

LOVENSTEIN, PROF. MENO, b. Durham, N.C., Jan. 4, 09. ECONOMICS. A.B. Richmond, 30; A.M. Columbia, 31; Ph.D. Hopkins, 38. Asst. prof. ECON, Rockford Col, 38-42; assoc. prof, Ohio State, 46-59, PROF, 59-66; OHIO, 66- U.S.A., 42-46. Econ. Asn. Comparative economic systems; economic planning; economic education. Publ: Economics and the educational administrator, *Col. Ed, Ohio State*, 58; Capitalism, communism and socialism, *Scott*, 62; co-auth, Guaranteed income, *Doubleday*, 65. Address: Dept. of Economics, Ohio University, Athens, Ohio 45701.

LOVETT-DOUST, PROF. J (OHN) W (ILLIAM), Psychiat, see 11th ed, Phys. & Biol. Vols.

LOVEWELL, DR. PAUL J (OSEPH), b. Topeka, Kans, Sept. 30, 15; m. 38; c. 3. ECONOMICS. A.B. Washburn, 38, LL.D. 65; M.B.A. Stanford, 40. Salesman, Burroughs Corp, Calif, 40-42; indust. engr, U.S. Steel Corp, 45-46; prin, Paul B. Mulligan & Co, N.Y., 47-48; chmn. techno-econ, Stanford Res. Inst, 48-53; v. pres, Gladding, McBean & Co, Calif, 53-54; dir econ. div, Stanford Res. Inst, 54-61, gen. mgr. econ. & mgt. res, 61-65; PRES, MGT. & ECON. RES, INC, 65- Lectr, grad. sch. bus, Stanford. Mem, cmt. sci. & tech, U.S. Chamber Commerce. U.S.N, 42-45, Lt. Nat. Asn. Bus. Econ. Industrial economics; management sciences; international research. Publ: Co-auth, Atomic power, Planning for profits & Handbook of business administration. Address: 800 Welch Rd, Palo Alto, Calif. 94304.

LOVINGER, DR. EDWARD, b. Flint, Mich, Aug. 20, 25; m. 48; c. 2. PSYCHOLOGY. B.A. Mich. State, 49, M.A. 50, Ph.D. (psychol), 54. Asst. & instr, Mich. State, 49-51; clin. psychol. trainee, Vet. Admin, 51-54, clin. psychologist, Hosp, Battle Creek, Mich, 54-55; Soc. scientist, Rand Corp, 55-57; head tech. implementation & planning group, SYST. DEVELOP. CORP, 57-61, HEAD ARMY SYST. TRAINING BR, 61- U.S.N, 43-46. Psychol. Asn. Personality; experimental and clinical psychology; perception; man-machine systems; executive training and development; decision-making. Publ: Perceptual contact with reality in schizophrenia, *J. Abnorm. & Soc. Psychol*; co-auth, Operant motor behavior in acute schizophrenics, *J. Personality*. Address: System Development Corp, 2500 Colorado Ave, Santa Monica, Calif. 90406.

LOVINGER, DR. SOPHIE, b. New York, N.Y. Jan. 15, 32; m. 57; c. 2. PSYCHOLOGY. B.A. Brooklyn Col, 54; M.S. City Col. New York, 59; Ph.D. (psychol), N.Y. Univ, 67. Intern psychol, Lexington Sch. Deaf, 58-59; Inst. Phys. Med, 59-60; sr. psychologist, Brooklyn State Hosp, N.Y., 60-61; sch. psychologist, Bur. Child Guid, 61-64; trainee psychother, Jamaica Center, 64-67; ASST. PROF. PSYCHOL, HOFSTRA, 67- Consult, Head Start Nursery, 68- N.Y. Univ. Founders Day award, 68. Achievement and its relationship to personality; variables in kindergarten and the first grade. Address: 84-18 Cuthbert Rd, Kew Gardens, N.Y. 11415.

LOVINGOOD, PROF. PAUL EVANS, JR, b. Sylva, N.C., Dec. 21, 30; m. 55; c. 3. GEOGRAPHY, GEOLOGY. A.B. North Carolina, 56, M.A. 58, Ph.D. (geog), 63. ASSOC. PROF. GEOG, Clarion State Col, 59-60; Appalachian State Teachers Col, 60-61; SOUTH CAROLINA, 61- Fulbright lectr, Univ. Botswana, Lesotho & Swaziland, 66-67. Mem. nat. adv. bd, Inst. Cultural

Exchange through Photog. 66- Sig.C. U.S.A. 53-55. Asn. Am. Geog; African Studies Asn. Relation of agricultural land use to the physical environment; land use and land tenure; Africa south of the Sahara. Address: Dept. of Geography, University of South Carolina, Columbia, S.C. 29208.

LOWRINIC, DR. JEAN HAHN, b. Hamlet, Nebr, Mar. 20, 40; m. 65. AUDIOLOGY. B.S. & M.A. Nebraska, 62; Ph.D.(audiol), Pittsburgh, 65. ASST. PROF. AUDIOLOG. & RES. ASSOC. MED. SCH. TEMPLE, 65- AAAS; Speech & Hearing Asn; Acoustical Soc. Am; Inst. Physics. Clinical diagnostic audiology; speech perception. Address: Dept. of Audiology, Temple University Medical School, Broad & Ontario Sts, Philadelphia, Pa. 19140.

LOW, PROF. ALFRED D(AVID), b. Vienna, Austria, Feb. 28, 13; nat; m. 38; c. 2. POLITICAL SCIENCE. Ph.D.(hist), Vienna, 36; Haverford Col, 40-41; summer, Harvard, 41; A.M. Columbia, 56, cert. Russian Inst. 57. Researcher, N.Y. Univ. 40; instr. Waynele Sch, Maine, 42-43; hist. geog. & German, Syracuse, 43-44; asst. prof. hist. & polit. sci. Wells Col, 44-46; Marietta Col, 46-47, assoc. prof. 47-57; Youngstown, 57-60, prof. 60-63; vis. prof. hist. Nebraska, 63-64; prof. hist. & polit. sci. & chmn. dept. Iowa Wesleyan Col, 64-65; PROF. HIST. MARQUETTE, 65- Vis. lectr. N.Y. State Col. Teachers, Albany, 53, summer, vis. prof. Oneonta, 57; Fund Adv. Ed. fel, 53-54. Summers, vis. lectr. Brooklyn Col, 45; Am. Philos. Soc. res. grants 58 & 66; vis. prof. Washington (St. Louis), 59 & 62. Polit. Sci. Asn. Russian and Central European history and government; international relations. Publ: Lenin on the question of nationality; The Anschluss Movement in Germany and Austria, 1918-1919, and the Paris Peace Conference, Princeton, (in press); The Soviet Hungarian Republic and the Paris Peace Conference, Trans. Am. Philos. Soc, 63. Address: 9131 W. Chambers St, Milwaukee, Wis. 53222.

LOWDER, PROF. ROBERT G, b. Peoria, Ill, Feb. 5, 24. PSYCHOLOGY. B.S. & M.A. Bradley, 50; Ph.D.(psychol), Purdue, 56. Instr. PSYCHOL, Idaho State Col, 50-54; PROF. BRADLEY, 56- Summers, Res. psychologist, U.S. Air Force, 58-59; Nat. Sci. Found. res. fel, 64. U.S.A. 43-46, Res. 2nd Lt. AAAS; Psychol. Asn. Visual perception; design of equipment. Publ: Perceptual ability and school achievement, Winter Haven Lions Club, 56; Prediction of maintainability, U.S. Air Force, 59. Address: Dept. of Psychology, Bradley University, Peoria, Ill. 61606.

LOWE, PROF. ADOLPH, b. Stuttgart, Germany, Mar. 4, 93; nat; m. 19; c. 2. SOCIAL SCIENCES. Munich, 11-12; Berlin, 12-14; LL.D. Tuebingen, 18; hon. Litt.D. New Sch. Soc. Res, 64. Mem. civil serv. staff, Ministries of Demobilization, Labor & Econ, Germany, 18-24; chief sect. int. statist. German Cent. Bur. Statist, 24-26; prof. econ. & dir. res. inst. world econ, Kiel, 26-31; prof. econ, Frankfurt, 31-33; spec. lectr. econ. & polit. sci, Manchester, 33-40; PROF. ECON. GRAD. FACULTY, NEW SCH. SOC. RES, 40- Rockefeller fel, 33-38; vis. lectr. London Sch. Econ, 34; vis. prof. Hebrew Univ, Israel, 53. Dir. Inst. World Affairs, N.Y. 43-51, ed. Studies. Am. Econ. Asn; Royal Econ. Soc. Economic theory, especially theory of economic development and business cycles. Publ: Economics and sociology; The universities in transformation; On economic knowledge, Harper, 65. Address: 10 Park Terrace E, New York, N.Y. 10034.

LOWE, DR. C(ARRINGTON) MARSHALL, b. New York, N.Y., Oct. 22, 30; m. 60; c. 1. PSYCHOLOGY. A.B. Princeton, 52; B.D. Princeton Theol. Sem, 55; M.A. Ohio State, 58, Ph.D. 61. Trainee psychol, Chillicothe Vet. Admin. Hosp, Ohio, 58-60; asst. prof. Maryville Col.(Tenn), 60-61; psychologist, Brecksville Vet. Admin. Hosp, Ohio, 61-66; ASST. PROF. COUNSELING PSYCHOL, CALIFORNIA, BERKELEY, 66- Asst. Ohio State Univ, 59. Psychol. Asn. Values and personality; nature of self-concept; identity and social change. Publ: Value-orientations: an ethical dilemma, Am. Psychologist; Self-concept: fact or artifact?, Psychol. Bull; A multi-dimensional approach to self-concept, J. Counseling Psychol, 11: 251-255. Address: 21 Totterdell Court, Orinda, Calif. 94563.

LOWE, DR. FRANCIS E(RNEST), Sociol, see 10th ed, Soc. & Behav. Vols.

LOWE, PROF. JAMES L(ILBURN), b. Lafayette Co, Mo, Aug. 26, 13; m. 43. SOCIOLOGY. B.S. Missouri, 39, M.A. 49, Ph.D.(sociol), 62. Instr. SOCIOL, Trenton Jr. Col, 49-54, 55-59; asst. prof. NORTHWEST MO. STATE COL, 59-63, assoc. prof. 63-64, PROF. 65- U.S.A. 41-46, Capt. Fel. Sociol. Asn. Address: Dept. of Sociology, Northwest Missouri State College, Maryville, Mo. 64468.

LOWE, DR. JAMES T(RAPIER), Polit. Sci, see 10th ed, Soc. & Behav. Vols.

LOWE, PROF. JOHN C(ARLTON), b. Drakesville, Iowa, Apr. 28, 26; m. 49; c. 3. POLITICAL SCIENCE. B.A. Iowa, 49, M.A. 51 & 52, Ph.D.(polit. sci), 54. Asst. sociol, Iowa, 50-51, POLIT. SCI, 52-54; asst. prof. NORTHEAST STATE COL, 54-57, assoc. prof. 57-60, PROF. 60-, CHMN. DIV. SOC. SCI, 59- Mem. Okla. Ed. TV Authority, 64- U.S.A. 44-46, Sgt. American government; and institutions; comparative government; contemporary political theory and issues. Address: Division of Social Science, Northeastern State College, Tahlequah, Okla. 74464.

LOWELL, ANTHONY M, b. Western Ukraine, July 22, 08; nat. STATISTICS. B.S. Alfred, 32; Rochester, 32-34; M.P. H. Mass. Inst. Tech, 35; Yale, 44. Indust. hygienist, U.S. Pub. Health Serv, 35-36; statistician, Phila. Health Coun, 37-39; asst. statistician, N.Y. Tuberc. & Health Asn, 39-43, 45-52, dir. statist. div, 53-62; CHIEF STATIST. SERV. TUBERC. PROG, NAT. COMMUNICABLE DISEASE CENTER, U.S. PUB. HEALTH SERV, 62- Statistician, Phila. Asn. Tuberc. Clin, 37-39. Consult, Phila. Dept. Health, 38. Mem. N.Y. Cmn. Fed. Censuses, 40, 50, 60; Health Area Rev. Cmn. New York City, 51, 60; adv. cmm. res. bur. Welfare & Health Coun, New York City, 62. U.S.A. 43-45. Statist. Asn; fel. Pub. Health Asn. Demography; epidemiology of tuberculosis; public health. Publ: Advances in tuberculosis research, Karger, Basel, 66; Tuberculosis in the United States, Harvard, Mongr, 69; Tuberculosis in New York City from 1945-1962. Address: National Communicable Disease Center, U.S. Public Health Service, Atlanta, Ga. 30333.

LOWELL, PROF. EDGAR L(AFAYETTE), b. Portland, Ore, June 27, 21; m. 44; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. Reed Col, 49; M.A. Wesleyan, 51; Ph.D. Harvard, 52. Asst. prof. ed. & res. assoc. iab. human develop, Harvard, 52-54; assoc. prof. ED, SOUTHERN CALIFORNIA, 54-61. PROF. 61- Adminstr. John Tracy Clin, 54- U.S.A. 44-46, 1st Lt. Psychol. Asn; Speech & Hearing Asn. Education of young deaf children; computer analysis of evoked auditory potentials in humans. Publ: Co-auth, Achievement motive & Play it by ear. Address: 806 W. Adams Blvd, Los Angeles, Calif. 90007.

LOWENFELD, DR. BERTHOLD, b. Linz, Austria, Nov. 2, 01; nat; m. 30. PSYCHOLOGY. Ph.D.(psychol), Vienna, 27. Dir. ed. res. Am. Found. for Blind, N.Y. 39-49; supt. Calif. Sch. for Blind, 49-64; res. prof. spec. ed, Frederic Burk Found. Ed, San Francisco State Col, 64-67; CONSULT. PSYCHOLOGIST, 67- Rockefeller Found. res. fel, 30-31; instr. teachers col, Columbia, 44-49. Consult, U.S. Off. Ed, Dept. Health, Ed. & Welfare, 62, mem. nat. adv. coun. rehab, 66-70. Fel. Psychol. Asn. Child psychology; education of the blind; psychological effects of blindness. Publ: Our blind children; co-auth, Blind children learn to read, C.C. Thomas, 68; auth, Psychological problems of children with impaired vision, In: Psychology of exceptional children & youth, Prentice-Hall. Address: 2928 Avalon Ave, Berkeley, Calif. 94705.

LOWENFELD, DR. JOHN, b. Vienna, Austria, Mar. 3, 31; nat; m. 54; c. 3. CLINICAL PSYCHOLOGY. B.S. Pa. State, 51, M.S. 53, Ph.D. 55. Sr. psychologist, Larned State Hosp, Kans, 55; sr. psychologist, Cleveland Psychiat. Inst, Ohio, 58-61, dir. sect. res. clin. psychol. & personality develop, 61; psychologist, VET. ADMIN. HOSP, 61-67, COORDINATOR CLIN. PSYCHOL, 67- Lectr, Kent State, 62- private practice, 62- Dipl. clin. psychol, Am. Bd. Exam. Prinl. Psychol. U.S.P.H.S. 55-58, Scientist. AAAS; Psychol. Asn. Perceptual processes and related adaptive behaviors; behavior modification; assessment; graduate education and training in psychology. Publ: Affect as a causal factor in the occurrence of repression, subception, and perceptual defense, J. Personality; co-auth, Verbal inhibition in subception, and Stimulus generalization in subception, J. Gen. Psychol. Address: Veterans Administration Hospital, 10000 Brecksville Rd, Brecksville, Ohio 44141.

LOWENSTEIN, FRANK, b. Nashville, Tenn, Apr. 10, 14; m. 40; c. 2. ECONOMIC. B.A. Vanderbilt, 38; M.A. American Univ, 48. Agr. economist econ. & statist, prod. & mkt. admin, U.S. Dept. Agr, 45-49, mkt. res. analyst, 48-49, anal. statistician, bur. agr. econ, 50-54, head, cotton & other fibers sect, econ. res. serv, 54-58, 59-62; rice mkt. analyst, Robert R. Nathan Assocs, Inc, Burma, 58-59; economist, Int. Bank Reconstruct. & Develop, D.C. 62-64; staff economist, off. secy, U.S. Dept. Agr, 64-67; DIR. COMMODITY RES, KOHLMEYER & CO, 68- Price economist, bur. labor statist, U.S. Dept. Labor, 49-50. U.S.N. 43-45. Agr. Econ. Asn. Demand for commodities; price analysis; economic theory. Publ: Extra-long staple cotton, demand and price prospects; Analyses of factors that affect mill consumption of cotton, Agr. Econ. Res; World fiber balances: past, present and future, Nat. Adv. Cmn. Food & Fiber, 7/67. Address: Kohlmeyer & Co, 147 Carondelet St, New Orleans, La. 70130.

LOWENSTEIN, DR. LOUIS KLEE, b. Pittsburgh, Pa, June 22, 27; m. 61; c. 2. CITY PLANNING. B.S. Virginia, 49; M.S. Columbia, 57; M.C.P. Pennsylvania, 59, Ph.D.(city planning), 62. Instr. city planning, Pennsylvania, 61-62; economist, Pa-Jersey Transportation Study, 62-63; sr. staff mem. city planning, Arthur D. Little Inc, 63-67; RES. ECONOMIST, CALIFORNIA, BERKELEY, 67- Urban spatial structure and industrial development. Publ: The location of residences and work places, Scarecrow, 65; The location of urban land uses, Land Econ, 63; On the nature of analytical models, Urban Studies, 66. Address: 3858 Jackson St, San Francisco, Calif. 94118.

LOWENTHAL, DR. DAVID, b. New York, N.Y., Apr. 26, 23. GEOGRAPHY; B.S. Harvard, 43; M.A. California, 50; Ph.D.(hist), Wisconsin, 53. Asst. prof. geog. & chmn. dept, Vassar Col, 52-56; RES. ASSOC. AM. GEOG. SOC, 56- Fulbright res. fel, Univ. Col. West Indies, 56-57; Guggenheim Found. fel, 65-66; assoc. res. prof. Harvard, 66-; vis. prof. Mass. Inst. Tech, 67. Chmn. Seminar Am. Civilization, Columbia, 60-61. U.S.A. 43-45. AAAS; Asn. Am. Geog; Anthropol. Asn; Hist. Asn; Am. Studies Asn. History and philosophy of geography; resources and conservation; population and migration; West Indies and the Guianas; American social and intellectual history. Publ: George Perkins Marsh: versatile Vermont; ed, The West Indies federation & Environmental perception and behavior. Address: American Geographical Society, Broadway at 156th St, New York, N.Y. 10032.

LOWENTHAL, PROF. LEO, b. Frankfurt, Germany, Nov. 3, 00; m. 53. SOCIOLOGY. Giessen, 19; Heidelberg, 20-21; Ph.D. Frankfurt, 23. Researcher, Inst. Soc. Res, 26-49; chief prog. eval. div, Int. Broadcasting Div, U.S. Dept. State, N.Y. 49-54; spec. asst. Voice of Am, U.S. Info. Agency, 54-56; PROF. SOCIOL, CALIFORNIA, BERKELEY, 56- Lectr, Columbia, 53-56, res. consult, bur. appl. soc. res, 40-49; vis. prof. California, 55; fel, Center Adv. Study Behav. Sci, 55-56 & 66-67. Consult, Off. War Info, 43-44. Fel. Sociol. Asn; fel. Psychol. Asn; Asn. Pub. Opinion Res. Social and communications research; sociology of literature and popular culture. Publ: Literature and the image of man, Beacon, 57, 2nd ed, 66; co-auth, Culture and social character, Macmillan, 61; auth, Literature and sociology, In: Relations of literary study, Modern Lang. Asn. Am, 67. Address: Dept. of Sociology, University of California, Berkeley, Calif. 94720.

LOWENTHAL, MARJORIE FISKE, b. Attleboro, Mass; m; c. 1. SOCIAL PSYCHOLOGY. B.A. Mt. Holyoke Col, 35; fel. & M.A. Columbia, 37. Dir. field studies, Nat. Fedn. Bus. & Prinl. Women's Clubs, Inc, 41-43; sr. assoc. bur. appl. soc. res, Columbia, 43-46, res. dir, 44-55; res. psychologist, McCann Erickson Advert. Agency, 46-47; dep. dir. eval. staff, int. broadcasting serv, U.S. Dept. State, 49-53; lectr. & res. dir. sch. librarianship, CALIFORNIA, BERKELEY, 56-58, PROF. RESIDENCE SOC. PSYCHOL, SCH. MED, 66-; DIR. ADULT DEVELOP. RES. PROG, LANGLEY PORTER NEUROPSYCHIAT. INST, 67-, dir. studies geriat. ment. illness, 58-67. Nat. Inst. Child Health & Human Develop. res. grant. Consult, Nat. Inst. Child Health & Human Develop. Mem. adv. coun, Nat. Coun. Aging. Ed, Adult Develop. & Aging. Fel.

Psychol. Asn; fel. Sociol. Asn; Asn. Pub. Opinion Res.(past secy-treas); Int. Asn. Geront. Research administration; gerontology; adult development; values and behavior. Publ: Lives in distress, 64 & co-auth, Crisis and intervention, 68, Basic Books; co-auth, Aging and mental disorders in San Francisco, Jossey-Bass, 67. Address: Langley Porter Institute, 401 Parnassus Ave, San Francisco, Calif. 94122.

LOWER, DR. KATHERINE D, b. Madison, Wis, Aug. 10, 02; m. 39; c. 1. SOCIOLOGY, ECONOMICS. B.A., Wisconsin, 24, M.A., 25, Ph.D.(polit. sci., sociol., econ), 29. Res. asst. inst. financ. N.Y. Univ. 29-30; Inst. Int. Finance, France, 30-32; res. analyst, Fed. Emergency Relief Admin, D.C., 35-37; bur. old age & survivors ins, Soc. Security Bd, 38-39, regional res. consult, bur. pub. assistance, 40-42; sect. chief, wage stabilization div, Nat. War Labor Bd, 43-44, pub. panel mem, disputes div, 44-45; from lect. soc. res. & assoc. prof. soc. econ. to PROF. SOC. WORK & SOC. RES. & DIR. DEPT. BRYN MAWR COL, 46- Statist. Asn. Social work. Publ: Co-auth, How the clients see the public health nursing division of the Wayne Neighborhood League; Faculty work loans in schools of social work, 64; Responsibilities for research in the profession of social work, In: Education for social work. Address: Dept. of Social Work & Social Research, Bryn Mawr College, 815 New Gulph Rd, Bryn Mawr, Pa. 19010.

LOWI, DR. THEODORE J(AY), b. Gadsden, Ala, July 9, 31. POLITICAL SOCIOLOGY. B.A., Mich. State, 54; M.A., Yale, 55, Chubb fel, 57-58, Ph.D., 61; Ford Found. fel, Columbia, 58-59. Res. assoc. N.Y. govt. & politics, Columbia, 56-57; instr. govt. Cornell, 59-61, asst. prof, 61-65; ASSOC. PROF. POLIT. SCI, CHICAGO, 65- Soc. Sci. Coun. res. fel, 63-64; Guggenheim Mem. Found. fel, 67-68. Consult. to Comptroller of N.Y., 59-61; N.Y. Agr. Exten. Serv, 61-62. Gen. ed. Probs. Mod. Govt. Series & polit. sci. adv. ed, W.W. Norton & Co, Inc, 64- Polit. Sci. Asn.(J. Kimbrough Owen award, 62). Assessment of social problems and change in large urban centers; systematic analysis of public policy; study of political organizations. Publ: Legislative politics USA; At the pleasure of the mayor; End of liberalism—critical studies in ideology and public policy, Norton, 68. Address: Dept. of Political Science, University of Chicago, Chicago, Ill. 60637.

LOWINGER, DR. LOUIS, b. Budapest, Hungary, July 27, 17; nat. CLINICAL PSYCHOLOGY. M.A., N.Y. Univ, 50, Ph.D.(psychol), 52. Clin. psychologist, Children's Center, New York, N.Y., 49-51; staff psychotherapist, Alfred Adler Consultation Center & Ment. Hyg. Clin, 52-58; DIR. PSYCHOL. SERV, JAMAICA CENTER PSYCHOTHER, JAMAICA, 58- Staff psychotherapist, Univ. Consultation & Treatment Center, N.Y., 53-58. Consult. psychologist, 50- Mem. Coun. Psychoanal. Psychotherapists. AAAS; Psychol. Asn; Acad. Psychother. Psychotherapy; psychodynamics; writing. Publ: Co-auth, Outcome in dementia praecox under electric shock therapy, as related to mode of onset and to number of convulsions induced, J. Nerv. & Ment. Disease, Emergency psychotherapy in general practice & Acute anxiety states and their treatment, Am. Practitioner & Digest of Treatment. Address: Jamaica Center for Psychotherapy, 178-10 Wexford Terr, Jamaica, N.Y. 11432.

LOWIS, DR. GEORGE W, b. Bronx, N.Y., May 21, 30; m. 56; c. 1. SOCIOLOGY. B.S., Colorado State, 53; A.M., N.Y. Univ, 58; Ph.D.(sociol), Pa. State, 63. Instr. SOCIOL, Montana State, 58-60; Pa. State, 62-63; asst. prof, State Univ. N.Y. Col. New Paltz, 63-65, ASSOC. PROF, 65-67; SKIDMORE COL, 67- Vis. lectr, Fairleigh Dickinson, 63-64; Mattewan State Hosp, 66-67. Assoc. consult, Community Action Prog, 64-65; consult, Ulster County Asn. Retarded Children, 64- U.S.A., 53-55. Sociol. Asn. Sociology of medicine; social conflict and stratification; social theory. Address: Dept. of Sociology, Skidmore College, Saratoga Springs, N.Y. 12866.

LOWMAN, PROF. REX P(ALMER), b. Prattville, Ark, July 29, 18; m. 43; c. 2. ECONOMICS. B.A., Gallaudet Col, 40, M.A., American Univ, 59. Statistician, U.S. Bur. Census, 43-47; asst. big. bus, Brookings Inst, 47-48, res. assoc. health resources, 49-50, mem. jr. staff, 50-52; anal. statistician, U.S. Soc. Security Admin, 53; instr. soc. sci, GALLAUDET COL, 54-56, ASSOC. PROF. ECON. & CHMN. DEPT, 59- Econ. Asn; Statist. Asn. Population; labor force, employment and unemployment; concentration of American business; health resources; business cycles; international economics; general economic theory. Publ: Co-auth, Labor force, employment and unemployment: 1940-1946 & Health resources in the United States. Address: Dept. of Economics, Gallaudet College, Washington, D.C. 20002.

LOWRIE, PROF. S(AMUEL) H(ARMAN), b. Coleman Co, Tex, Feb. 13, 94; m. 19; c. 2. SOCIOLOGY. A.B., Rice Inst, 17; A.M., Columbia, 22, Ph.D., 32. Prof, Soochow Univ, 22-27; assoc. prof, Muskingum Col, 27-32; prof, sch. sociol. & polit, Sao Paulo, 33-38, dir. res. dept. culture, 35-38; assoc. prof. SOCIOL, BOWLING GREEN STATE, 39-40, from prof. to EMER. PROF, 40- Sociol. Asn. Family; race; population. Publ: Culture conflict in Texas; Dating theories and student responses, Am. Sociol. Rev; Racial and national intermarriage in a Brazilian city, Am. J. Sociol. Address: 5435 Heidi St, La Mesa, Calif. 92042.

LOWRY, DR. C(LIFTON) S(IGSBEE), b. Ky, Mar. 10, 98; m. 29; c. 1. POLITICAL SCIENCE. Ph.D., Kentucky, 40. Prof. polit. sci. & econ. & head dept, Murray State, 25-68; RETIRED. U.S.A., 18. History of political theory. Address: Dept. of Social Sciences, Murray State University, College Campus Station, Murray, Ky. 42072.

LOWRY, DR. IRA SOUTH, b. Laredo, Tex, Feb. 11, 30; m. 55. ECONOMICS, SOCIOLOGY. B.A., Texas, 50, M.A., 51; univ. fel, California, 54-55, 58, Newton Booth fel, 57, Ph.D., 59. Assoc. econ, California, 59; lect. econ. & sociol, Maryland, 59-60; asst. prof. econ, grad. sch. indust. admin, Carnegie Inst. Tech, 60-62; STAFF ECONOMIST, LOGISTICS DEPT, RAND CORP, 63- Sr. economist, regional econ. study, Pittsburgh Regional Planning Asn, 60-62; vis. lect. dept. city & regional planning, Mass. Inst. Tech, 66-67. Consult, Nat. Cmn. Urban Problems, 67- Mem. cmt. hwy. res. bd, Nat. Acad. Sci, 66-70; res. adv. cmt. econ. develop. agency, U.S. Dept. Commerce, 67- U.S.M.C., 51-53, Sgt. Regional Sci. Asn; Pop. Asn. Urban and regional economics; demography; urban planning; computer modelling. Publ: Portrait of a region, Univ. Pittsburgh Press, 63; A model of metrop-

olis, Rand Corp, 64; Migration and metropolitan growth, Chandler Pub. Co, 66. Address: Rand Corp, 1700 Main St, Santa Monica, Calif. 90406.

LOWRY, DR. JOHN R, b. Charleston, W. Va, Mar. 8, 33; m. 58; c. 2. MARKETING. B.S., West Virginia, 53; M.B.A., Pittsburgh, 57, Ph.D.(bus), 62. Acct, Koppers Co, Inc, 55-56; Instr. MKT, Pittsburgh, 57-62; ASSOC. PROF, Santa Clara, 62-66; SOUTHERN ILLINOIS, 66- U.S.A., 53-55. Mkt. Asn; Sales & Mkt. Exec. Int. Marketing research; promotion and marketing management. Publ: Multiple city complexes: a new view of consumer markets, Bus. Perspectives, 68. Address: Dept. of Marketing, Southern Illinois University, Carbondale, Ill. 62901.

LOWRY, DR. RICHARD JAMES, b. Taylor, Tex, Aug. 21, 40; m. 63; c. 1. PSYCHOLOGY. B.A., Southern Methodist, 61; Woodrow Wilson fel, Brandeis, 61-62, Nat. Inst. Ment. Health fel, 63-65, Ph.D.(psychol), 65. ASST. PROF. PSYCHOL, VASSAR COL, 65- Psychol. Asn. History and systems of psychology; cognition. Publ: Psychoanalysis and the philosophy of physicalism, J. Hist. Behav. Sci, 67. Address: Dept. of Psychology, Vassar College, Poughkeepsie, N.Y. 12601.

LOWRY, PROF. RITCHIE PETER, b. Meriden, Conn, Apr. 13, 26; m. 48; c. 2. SOCIOLOGY. A.B., California, Berkeley, 52, M.A., 54, Ph.D.(sociol), 62. Asst, California, Berkeley, 50-55; instr. sociol, Chico State Col, 55-56, asst. prof, 56-61, assoc. prof, 62-64; sr. res. scientist & assoc. prof. res. center res. soc. systs, American Univ, 64-66; PROF. SOCIOL, BOSTON COL, 66-, CHMN. DEPT, 67- Consult, community proj. I, East Wash. State Col, 66-67. Contrib. ed, comp. int. develop. bd, soc. sci. inst, Washington (St. Louis), 65- Mem. inter-univ. seminar armed forces & soc, Univ. Chicago, 64- U.S.N.R., 44-46, Res, 51-65, Lt. Sociol. Asn; Acad. Polit. & Soc. Sci; Soc. Study Social Probs. Urban sociology and the impact of urbanism on the small community; political behavior and democracy in a mass society; population growth and movement; political sociology; sociology of the military; bureaucratization of social science research. Publ: Who's running this town? community leadership and social change, Harper, 65; ed. & contrib, Problems of studying military roles in other cultures: a working conference, Center Res. Soc. Systs, American Univ, 67; co-auth, Sociology: the science of society, Scribner, 68. Address: Dept. of Sociology, Boston College, Chestnut Hill, Mass. 02167.

LOWRY, PROF. SHELDON G(AYLON), b. Cardston, Alta, Aug. 25, 24; nat; m. 46; c. 4. SOCIOLOGY. B.A., Brigham Young, 46; M.A., Mich. State, 50, Health Info. Found. grant, 53, Ph.D.(sociol), 54. Instr. SOCIOL, Mich. State, 51-52; res. assoc, Health Info. Found, 52; asst. prof, N.C. State Col, 52-57; PROF, MICH. STATE, 57-, ASST. DEAN COL. SOC. SCI, 68- Consult, Am. Nat. Red Cross, 59- Sociol. Asn; Rural Sociol. Soc. (ed, 63-65); Adult Ed. Asn. Group dynamics; sociological concepts and models relevant to community development. Publ: Contrib, Rural social systems and adult education, Mich. State Univ, 53 & Change in the small community, Friendship, 67; co-auth, 10 year cumulative index to Rural Sociology, Rural Sociol, 65. Address: College of Social Science, Michigan State University, East Lansing, Mich. 48823.

LOWRY, DR. STANLEY TODD, b. Laredo, Tex, June 26, 27; m. 48; c. 2. ECONOMICS, GEOGRAPHY. B.A., Texas, 45, LL.B., 50; M.A., La. State, 56, Ph.D., 58. Asst. prof. ECON, East Carolina Col, 58-59; WASHINGTON & LEE, 59-67, ASSOC. PROF, 67- Econ. Asn; Asn. Am. Geog. Resources theory; forest economics. Publ: The classical Greek theory of natural resource economics, Land economics, vol. XLI, 8/65; The Appalachian regional development act of 1965 and the timber development organization dilemma, J. Forestry, 12/66. Address: Dept. of Economics, Washington & Lee University, Lexington, Va. 24450.

LOWRY, PROF. THOMAS M(cCALL), JR, b. Knoxville, Tenn, Oct. 4, 01. POLITICS. A.B., Davidson Col, 22; Virginia, 23; M.A., Princeton, 26; North Carolina, 33-34; Mississippi, 48. Instr. U.S. hist, Haverford Col, 27-28; prof, Ark. Col, 34-42, dean, 34-37, acting pres, 39-42; from assoc. prof. to PROF. HIST. & POLIT. SOUTHWESTERN AT MEMPHIS, 46- U.S.A., 19-22, Maj. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Address: Dept. of History & Government, Southwestern at Memphis, Memphis, Tenn. 38112.

LOWRY, PROF. LOUIS, b. Munich, Germany, June 14, 20; U.S. citizen; m. 45; c. 2. SOCIAL WORK, EDUCATIONAL SOCIOLOGY. B.S., Boston, 49, M.S., 51; Ph.D.(ed. sociol), Harvard, 66. Asst. exec. dir, Bridgeport Community Centers, Inc, 51-55; Centers Assoc. Greater Boston, Inc, 55-57; asst. prof. SOC. WORK, BOSTON, 57-61, assoc. prof, 61-64, PROF, 64- Dir. orientation prog. for int. soc. welfare consult, Nat. Soc. Welfare Assembly, N.Y., 57-66. Consult, summer acad. soc. work faculty, West Germany, 64-; chief prof. curriculum consult, Coun. Soc. Work Ed, 67- Sociol. Asn; Nat. Asn. Social Workers. Social gerontology; roles of older persons; career choice; professional socialization; training of personnel in caretaking fields. Publ: Adult education and group work, Morrow, 55; Needs of older people in society, In: Social group work with older people, 63; Social work education amidst social change, In: Education for social work, 68. Address: 72 Fisher Ave, Newton Highlands, Mass. 02161.

LU, DR. CH'UNG-TAI, b. Peiping, China, Mar. 12, 25; m. 48; c. 2. ECONOMICS. ICS, A.B., Fu-Jen Univ, China, 47; M.A., Catholic Univ, 50; fel, Maryland, 51-53, Ph.D.(econ), 54. Instr. ECON, Wilkes Col, 54-56, asst. prof, 56-57; Baldwin-Wallace Col, 57-60, assoc. prof, 61-67, chmn. dept, 64-67; ASSOC. PROF, HAMLINE, 67- Summer, Ford Found. fel, 60, Soc. Sci. Res. Coun. res. grants, 62-64, res. Egypt & Lebanon, 65. AAAS; Econ. Asn; Soc. Int. Develop. Economic development; history of economic thought; monetary theory; economic development of the Middle East. Address: Hamline University, St. Paul, Minn. 55101.

LU, PROF. HSIEN, b. Foochow, Fukien, China, Nov. 3, 26; m. 61; c. 1. PSYCHOLOGY, EDUCATION. B.A., Taiwan Norm. Univ, 53; M.A., Nat. Chengchi Univ, 56; fel. & M.A., Chicago, 57; fel, Illinois, 57-58; scholarship & Ed.D., Columbia, 63. Official pub. admin, Taiwan Munic. Govt, China, 49; ed. admin, dept. ed, Taiwan Prov. Govt, 54-55; teacher, Taipei Girls Norm. Sch, 55; prof. ed. & psychol, Morris Col.(S.C.), 63-64; PSYCHOL, J.C. Smith

- Univ, 64; PROF. & HEAD DEPT, LINCOLN MEM. UNIV, 64- Dir, Chinese Student Weekly, 47-49; v-pres. & ed-in-chief, Chinese Intellectuals Quart, 63-65. Chinese Mil. Acad, 53-54, 2nd Lt. AAAS. Administrative behavior in education; emotional problems, misconceptions and self-concepts of late adolescents. Publ: Co-auth, Selected essays, Kaitsao Pub. Co, 52; auth, Federal role in education, Am. Press Pub, Inc, 68; Some psychotic tendencies in the overseas Chinese intellectuals, Chinese Intellectuals Quart, autumn 65. Address: Dept. of Psychology, Lincoln Memorial University, Harrogate, Tenn. 37752.
- LU, DR. JOHN Y(AOTUNG), b. Formosa, Jan. 16, 31; nat; m. 56. ECONOMICS, STATISTICS. B.S. Berea Col, 55; M.S. Mich. State, 57, Ph.D.(econ), 59. Res. analyst opers. res, Tidewater Oil Co, Calif, 59-61; sr. economist, C-E-I-R, Inc, 61-64; ECONOMIST, RAND CORP, 64- Econ. Asn; Statist. Asn; Economet. Soc. Problems in statistical estimations of economic relations; industrial applications of linear programming; application of inventory models. Publ: Optimum super market check-out facilities; an application of queuing theory, J. Farm Econ; co-auth, Demand relations with autocorrelated disturbances, Mich. State Agr. Exp. Sta. Tech. Bull. Address: Rand Corp, 1700 Main St, Santa Monica, Calif. 90406.
- LU, DR. YI-CHUANG, b. China; nat; m. 43. PSYCHIATRIC SOCIOLOGY. Yenching Univ, 35; M.A., Chicago, 42, Ph.D.(sociol), 50. Researcher & psychiatrist. soc. worker, Peiping Union Med. Col. & Peiping Psychopath. Hosp, 35-40; res. assoc. family study center, Chicago, 52; asst. prof. sociol, Utah, 52-55; lectr, Gary Center, Indiana, 55; supv. sociologist & dir. soc. psychol. res. schizophrenia, Manteno State Hosp, Ill, 56-68; RES. ASSOC. SCHIZOPHRENIA, CHICAGO, 68- Fel. Sociol. Asn; Soc. Study Social Probs; Nat. Coun. Family Rels. Schizophrenia, the family; social psychology. Publ: Predicting roles in marriage, Am. J. Sociol; Mother-child role relations in schizophrenic: a comparison of schizophrenic patients with nonschizophrenic siblings, Psychiatry; Contradictory parental expectations in schizophrenia, Am. Med. Asn. Arch. Gen. Psychiat. Address: Dept. of Psychiatry, University of Chicago, Chicago, Ill. 60637.
- LUAN, DR. DAVID C, b. Shantung, China, Feb. 18, 21; nat; div; c. 2. ECONOMICS. B.A. Tsing Hua, China, 44; M.B.A., Denver, 48; Ph.D.(econ, statist, math), Texas, 59. Statistician cotton econ. res, Texas, 52-58; asst. prof. econ. & math, Bishop Col, 58-59; ECON, Wis. State Col.(Whitewater), 59-60; from asst. prof. to ASSOC. PROF, SOUTHERN ILLINOIS, 60- Econ. Asn; Statist. Asn. Application of mathematics and statistical methods to business economic problems. Address: Dept. of Economics, Business Division, Southern Illinois University, Edwardsville, Ill. 62025.
- LUBACH, DR. JOHN E(DWARD), b. Juda, Wis, May 24, 27; m. 50; c. 5. PSYCHOLOGY. B.A., N.Cent. Col.(Ill), 50; M.S.Ed, Southern Illinois, 51; Ph.D.(psychol), Kansas, 56. Coordinator psychiatrist. eval. proj, Vet. Admin. Hosp, Topeka, Kans, 56-58, res. soc. psychologist, 58-61; psychologist, North. State Hosp, Sedro Woolley, Wash, 61-62, dir. res, 62-64, prog. dir, 64-65; DIR, OLYMPIC CENTER MENT. HEALTH & MENT. RETARDATION, 65- Psychol. Asn. Organization and functioning of social units; phenomenological psychology; development of community mental health and mental retardation programs. Publ: Co-auth, Brief inpatient treatment—a pilot study, Ment. Hosps, 2/65; Innovations in the nursing role in a psychiatric research program, Am. J. Nursing, 2/66; The intensive treatment of acute psychiatric disturbances, Bull. Div. Ment. Health, Dept. Insts, State of Wash, 66. Address: 8903 Highway 3, Brererton, Wash. 98310.
- LUBAR, DR. JOEL FREDRIC, b. Washington, D.C., Nov. 16, 38; m. 61; c. 2. PHYSIOLOGICAL PSYCHOLOGY. B.S., Chicago, 60, U.S. Pub. Health Serv. fel, 60-63, Ph.D.(biopsychol), 63. Asst. prof. PSYCHOL, Rochester, 63-67. ASSOC. PROF, TENNESSEE, 67- Res. grants, U.S. Pub. Health Serv, 64 & Nat. Inst. Ment. Health, 65-67, 67-72. AAAS; Psychol. Asn; N.Y. Acad. Sci. Neuroanatomical substrates of emotion and motivation; functions of the limbic system; role of the visual cortex in non-visual learning. Publ: Effect of medial cortical lesions on the avoidance behavior of the cat, J. Comp. & Physiol. Psychol, 64; Non-visual functions of visual cortex in the cat, 67 & Etiology of polydipsia and polyuria in rats with septal lesions, 68, Physiol. & Behav. Address: Dept. of Psychology, University of Tennessee, Knoxville, Tenn. 37916.
- LUBELL, DR. HAROLD, b. New York, N.Y., Mar. 29, 25. ECONOMICS. B.A., Bard Col, 44; M.A., Harvard, 48, Ph.D.(econ), 53; Fulbright scholar, Paris, 51. Res. asst. bd. gov. Fed. Reserve Syst, D.C., 44-45; Legis. Budget Cmt, Calif, 45-46; statistician, UN Statist. Off, N.Y., 48, Econ. Cmn. for Europe, Geneva, Switz, 48-49; economist, U.S. Opers. Mission, France, 49-54; Falk Proj. Econ. Res, Israel, 54-57; Rand Corp, 57-62; Orgn. Econ. Coop. & Develop, France, 62; Brookings Inst, Saigon, Viet Nam, 63-64; Ford Found, Kuala Lumpur, Malaysia, 64; sr. res. assoc, Columbia, 64-65; consult, Int. Bank Reconstruct. & Develop. Mission, Tunisia, 65; ECONOMIST, AGENCY INT. DEVELOP, TURKEY, 65- Econ. Asn; Economet. Soc; Soc. Int. Develop. National accounts; analysis of national investment programs; economics of energy and the Middle East. Publ: French investment program: a defense of the Monnet plan; National expenditure of Israel 1950-1954; Middle East oil crises and Western Europe's energy supplies. Address: American Embassy, Agency for International Development/Ankara, APO New York 09254.
- LUBICK, DR. EMIL E(DWARD), b. Butte, Mont, Feb. 10, 15; m. 43; c. 5. GUIDANCE, EDUCATIONAL PSYCHOLOGY. B.A., Montana State, 39; M.A., Minnesota, 46; Ed.D.(guid), Southern California, 58. Teacher, high schs, Mont, 40-42; counsr, Long Beach City Col, 46-50, coordinator placement, 50-59; career guid. & placement, Long Beach Unified Sch. Dist, 59-66; dir. guid, Selkirk Col, 66-67; ASST. DIR. SPEC. PROJ., LONG BEACH UNIFIED SCH. DIST, 67- Instr. exten, California, 49-52, 60; summer instr, Long Beach State Col, 53-56. Voc. guid. consult, Soc. Security Admin, 61-66; Calif. State Dept. Ed, 65. U.S.C.G., 42-46, Lt. Psychol. Asn; Personnel & Guid. Asn; Nat. Voc. Guid. Asn. Career guidance; job placement practices in California junior colleges; use of occupational information with individual students and groups; student assessment of career strengths and weaknesses; working with innovations in education supported with funds from federal legislation and other sources. Publ: Vocational objectives of entering junior college students; Parents can help too; Guidance services in a community college, Can. Guid. Worker, 6/67. Address: 701 Locust Ave, Long Beach, Calif. 90813.
- LUBIN, DR. ALBERT J(OSEPH), b. Alameda, Calif, July 23, 14; m. 40; c. 2. PSYCHIATRY, PSYCHOANALYSIS. A.B., Stanford, 35, M.D., 39. Res. psychiatrist & neurol, Stanford, 39-41; asst. neurol, Columbia, 41-42; from instr. to asst. prof. neuropsychiat, STANFORD, 42-46, asst. clin. prof, 46-57, asst. soc. clin. prof. PSYCHIAT, 57-65, CLIN. PROF, 65- Rockefeller Found. fel, N.Y. Neurol. Inst, 41-42. Consult, U.S. Dept. Army, 48-62. Prize, Inst. Psycho-Anal, London, Eng, 57. Dipl. Am. Bd. Psychiat. & Neurol, 46. Fel. Psychiat. Asn; fel. Acad. Neurol. Psychology of art and religion; comparative psychotherapies. Publ: Vincent van Gogh's ear, Psychoanal. Quart, 61; The influence of the Russian Orthodox Church on Freud's wolf-man: a hypothesis, Psychoanal. Forum, 67; co-auth, The psychic function of religion in mental illness and health, Group Adv. Psychiat, 68. Address: 351 La Questa Way, Woodside, Calif. 94062.
- LUBIN, DR. ARDIE, b. Chicago, Ill, Feb. 17, 20. PSYCHOLOGY. B.S., Chicago, 39; Ph.D.(psychol), London, 51. Lectr. psychol, inst. psychiatrist, London, 48-51; RES. PSYCHOLOGIST, personnel res. br, Adj. Gen's Off, U.S. Dept. Army, 51-52, Walter Reed Army Inst. Res, 53-64; NAVY MED. NEUROPSYCHIAT. RES. UNIT, 64- Lectr, American Univ, 53-; Howard, 56-; vis. prof, Mich. State, 64; Fulbright fel, Leeds, 68-69. U.S.A.A.F, 42-46. Am. Psychol. Asn; Psychomet. Soc; Soc. Psychophysiol. Res; fel. Royal Statist. Soc; Brit. Psychol. Soc. Mathematical psychology; sleep loss. Publ: Linear and non-linear discriminating functions, Brit. J. Statist. Psychol; Impaired performance with acute sleep loss, Psychol. Monogr. Address: Navy Medical Neuropsychiatric Research Unit, San Diego, Calif. 92152.
- LUBIN, PROF. BERNARD, b. Washington, D.C., Oct. 15, 23; m. 57. PSYCHOLOGY. B.A., George Washington, 52, M.A., 53; U.S. Pub. Health Serv. fel, Pa. State, 56-57, Ph.D.(psychol, sociol, & anthropol), 58. Fel. PSYCHIAT, med. sch, Wisconsin, 57-58; instr. med. center, Indiana, 58-60, asst. prof, 60-64, assoc. prof, 64; consult. clin. psychol, Ind. State Dept. Ment. Health, 62-63, dir. div. res. & training, 63-67; PROF. PSYCHIAT, SCH. MED, MISSOURI, 67-; DIR. DIV. PSYCHOL, GREATER KANS. CITY MENT. HEALTH CENTER, 67- Consult, Inst. Psychiat. Res, 62-; div. hosp. & med. facilities, U.S. Pub. Health Serv, 65- Secy, Asn. Adv. Ment. Health Res. & Ed, Inc, 63-67; pres, bd. trustees, Midwest Group Human Resources, Inc, 65-; v-pres, Ind. Pub. Health Found, Inc, 66-67; mem, World Fedn. Ment. Health; Nat. Training Labs. Dipl. Am. Bd. Exam. Prftnl. Psychol. U.S. Merchant Marine, 43-48, Ens. Psychol. Asn; Am. Acad. Arts & Sci. Clinical judgment; projective test design; medical psychology. Publ: Group psychotherapy, Mich. State Univ, 66; The clinical psychologist, Aldine Pub. Co, 67; Affective and perceptual-cognitive patterns in sensitivity training, Psychol. Reports, 67. Address: Dept. of Psychiatry, University of Missouri School of Medicine at Kansas City, 600 E. 22nd St, Kansas City, Mo. 64108.
- LUBIN, DR. CAROL R, b. Montclair, N.J., Sept. 23, 09; m. 52; c. 1. INTERNATIONAL RELATIONS, PUBLIC ADMINISTRATION. A.B., Smith Col, 30; M.A., Columbia, 33, Ph.D., 50. Asst. int. rela, Carnegie Endowment Int. Peace, 30-35; mem, div. employ. & migration, Int. Labor Off, 35-51, div. migration, 51-53; lectr. govt, Hunter Col, 53-54; consult, Welfare & Health Coun, New York, 55; ed. econ, Am. Asn. United Nations, 57-59; asst. to dir, urban studies center, Rutgers, 60-61; community planner, Reston, Va, 61-67; CONSULT, SOC. & COMMUNITY PLANNING, 65- Staff assoc, New York Urban Coalition, 68- Polit. Sci. Asn; Pub. Admin. Asn. Social planning for urban development; international labor relation; international social policy. Publ: British war production machinery; Labor-management relations in United States war production; Relationship of the community to educational planning. Address: 1095 Park Ave, New York, N.Y. 10028.
- LUBIN, DR. ISADOR, b. Worcester, Mass, June 9, 96; m. c. 2. ECONOMICS, STATISTICS. A.B., Clark, 16, LL.D., 41; Missouri, 16-17; Michigan, 19-20; Ph.D.(econ), Brookings Inst, 26; LL.D., Brandeis, 66. Instr. econ, Missouri, 17-18; asst. prof, Michigan, 19-22; assoc. prof, Missouri, 24; mem. staff, Brookings Inst, 22-33, grad. sch, 26-32; U.S. Cmnr. labor statist, 33-46; pres, Confidential Reports, Inc, 46-51; consult, U.S. Dept. State, 49-55; indust. cmmr, State Dept. Labor, N.Y., 55-58; mem, Nat. Cmn. Money & Banking, 58-61; ECON. CONSULT, TWENTIETH CENTURY FUND, 62- Statistician, U.S. Food Admin, 18; spec. expert, U.S. War Indus., 18-19; spec. statist. asst. to President, 41-45; chief div. statist. anal, Munition Assignment Bd, 42-45; Arthur T. Vanderbilt prof. pub. affairs, Rutgers, 59-61. U.S. rep. econ. & soc. coun, UN, 50-53, Korean Relief & Rehab. Admin, 51-53, U.S. alternate del. gen. assembly, 52, U.S. rep. conf. sci. & tech, 62. Consult. off. statist. standards, U.S. Bur. Budget, 58-; United Israel Appeal on Prog. in Israel, 60-; Dept. Health, Ed. & Welfare, 67- Civilian with U.S. Dept. Army, Air Force & Navy, 44. AAAS; Econ. Asn. Economic and statistical analysis. Publ: Miners wages and the cost of coal; British coal dilemma; British attack on unemployment. Address: Twentieth Century Fund, 41 E. 70th St, New York, N.Y. 10021.
- LUBIN, PROF. JOHN FRANCIS, b. Far Rockaway, N.Y., Aug. 8, 26; m. 50. ECONOMICS. B.E.E., N.Y. Univ, 47; M.S., Mass. Inst. Tech, 49; Ph.D., Pennsylvania, 56. ASSOC. PROF. INDUST. WHARTON SCH. FINANCE, PENNSYLVANIA, 49-; DIR. COMPUT. ACTIVITIES, COMPUT. CENTER, UNIV, 64- Ed. in chief, Comput. Rev, Asn. Comput. Mach, 67. U.S.N., 44-46, Lt. Econ. Asn; Opers. Res. Soc; Inst. Indust. Eng; Statist. Asn; Inst. Mgt. Sci. Theory of management; theory of the firm; computer simulation; industrial and electrical engineering. Address: Dept. of Industry, Wharton School of Finance, University of Pennsylvania, Philadelphia, Pa. 19101.
- LUBKER, DR. J(OHN) LYNN, b. Quincy, Ill, Feb. 10, 30; m. 58. PSYCHOLOGY. B.A., Iowa, 52; M.A., Southern Methodist, 53; Ph.D.(psychol), Kentucky, 59. Clin. psychologist, Roanoke Vet. Admin. Hosp, Salem, 58-61, asst. chief psychol. serv, 61-67; CLIN. ASSOC. PROF. PSYCHOL, NORTH CAROLINA, CHAPEL HILL, 67-; CLIN. PSYCHOLOGIST, JOHN UMSTEAD HOSP, 67- U.S.A.F, 48-49, Sgt. Psychol. Asn. Visual perception without awareness; behavior therapy with chronic hospitalized psychotic patients. Address: Tadley Dr, Chapel Hill, N.C. 27514.

LUBLIN, DR. IRWIN, b. New York, N.Y., Apr. 18, 30; m. 60. CLINICAL PSYCHOLOGY. A.B. Cornell, 52; M.A. Connecticut, 53; U.S. Pub. Health Serv. fel, Pa. State, 60-61, Ph.D.(clin. psychol.), 64. Clin. psychologist, Anderson Sch. Staatsburg, N.Y. 56; trainee psychol. U.S. Pub. Health Serv. 57-59; counsr, Pa. State, 57, instr. 59, asst. 59-60; lectr. psychol. & Eng. European div. Maryland, 61-63; ASST. PROF. Occidental Col., 64-65; CALIF. STATE COL. LOS ANGELES, 65- Nat. Sci. Found. instnl. grants, 67-68. Consult. Center Behav. Ther. Beverly Hills, Calif. 68- Psychol. Asn. Teaching of psychology; behavior modification; aversive conditioning; learning theory analysis of maladaptive behavior; verbal psychotherapy; addiction and obesity as psychological problems. Publ: Sources of differences in effectiveness among controllers of verbal reinforcement, A.P.A. Proc. 65. Address: Dept. of Psychology, California State College at Los Angeles, Los Angeles, Calif. 90032.

LUBORSKY, DR. LESTER, b. Philadelphia, Pa., May 15, 20; m. 44; c. 3. PSYCHOLOGY. Ph.D.(psychol.), Duke, 45. Instr. psychol., Illinois, 45-47; sr. psychologist, res. dept. & dept. adult psychiat., Menninger Found., 47-59; RES. PSYCHOLOGIST, UNIV. HOSP. PENNSYLVANIA, 59- Mem. study sect. ment. health, Nat. Inst. Ment. Health, 66-67, res. rev. cmt., personality & cognition, 67- Fel. Psychol. Asn.; Soc. Psychol. Study Social Issues; Psychosom. Soc. Psychotherapy; psychoanalysis. Publ: Co-auth., Personality patterns of psychiatrists & Research problems in psychotherapy: a three year follow up, In: Eds, Strupp & Luborsky, Research in psychotherapy, vol. II, Am. Psychol. Asn., 62; Self-interpretation of the TAT as a clinical technique, J. Proj. Tech. Address: Hospital of the University of Pennsylvania, 207 Piersol Bldg., Philadelphia, Pa. 19104.

LUBOW, DR. ROBERT E., b. New York, N.Y., Mar. 25, 32; m. 53; c. 3. PSYCHOLOGY. B.A., N.Y. Univ., 53; M.S., Washington State, 55; Ph.D., Cornell, 58. Psychologist, Gen. Elec. Adv. Electronic Center, 58-63; ASSOC. PROF. PSYCHOL., N.C. STATE, 63- Nat. Insts. Health career develop. award, 63-68, grant, 66-68. AAAS; Psychonomic Soc.; Psychol. Asn. Experimental psychology; perception and learning; bionics. Address: Dept. of Psychology, North Carolina State University, Raleigh, N.C. 27607.

LUBY, DR. ELLIOT D., Psychiat., see 11th ed, Phys. & Biol. Vols.

LUBY, DR. PATRICK JOSEPH, b. Zanesville, Ohio, May 20, 30; m. 56; c. 4. AGRICULTURAL ECONOMICS. B.A., Dayton, 52; M.S., Purdue, 54, Ph.D. (agr. econ), 56; Ohio State, 53-54. Instr. agr. econ, Purdue, 54-56, asst. prof. 56-58; ECONOMIST, OSCAR MAYER & CO, 58-, GEN. PROVISIONS MGR, 66- Agr. Econ. Asn.; Mkt. Asn. Use of statistical methods to analyze and forecast meat and livestock supplies and prices; efficient marketing of livestock and meats. Address: Oscar Mayer & Co, 910 Mayer Ave, Madison, Wis. 53701.

LUCAS, PROF. ANN FRANCES, b. New York, N.Y., Jan. 2, 26; m. 47; c. 3. PSYCHOLOGY. B.S., Seton Hall, 50; M.A., Fordham, 52, Ph.D.(psychol.), 61. Dir. guid. Acad. St. Aloysius, N.J., 50-52; voc. counsr, Archdiocesan Voc. Serv., New York, 52-54; clin. psychologist, St. Charles Child Guid. Clin., Brooklyn, N.Y., 54; St. Vincent's Hosp., New York, 54-55; lectr. PSYCHOL., Seton Hall, 57-59; instr. FAIRLEIGH DICKINSON, 59-61, asst. prof., 61-62, ASSOC. PROF., 62-, CHMN. DEPT., 67- Consult, St. Vincent's Hosp., New York, 56- Mem. Nat. Interfaith Cmt. Marriage & Family, 65- Zucker Mem. award, Fairleigh Dickinson, 63. Psychol. Asn. Relationship between attitude toward childbearing and certain selected background factors; training and evaluation of hospital supervisory and teaching personnel; cognitive development, especially Piaget's work, also Montessori's approach to education. Publ: Guidance and counseling, Nursing Outlook; A guide to upgrade the high school psychology course, Clearing House, 5/63; On the other side of the coin, N.J. Ed. Asn. Rev., 9/67. Address: 501 Liberty Rd, Englewood, N.J. 07631.

LUCAS, BRODER FREDERICK, Land Econ, see 10th ed, Soc. & Behav. Vols.

LUCAS, PROF. CHARLES M(ICHAE), b. Waterbury, Conn., Apr. 5, 16; m. 48. PSYCHOLOGY. A.B., Antioch Col., 45; M.A., Ohio State, 46, Ph.D. (psychol.), 51. Res. assoc. Ed. Testing Serv., 51-53; assoc. prof. PSYCHOL., Cedar Crest Col., 53-61; from assoc. prof. to PROF., STATE UNIV. N.Y. COL. OSWEGO, 61- Psychol. Asn.; Psychomet. Soc. Tests and measurements; factor analysis; guidance. Publ: Factorial composition of the relative movement test & Analysis of the regulative movement test by a method of individual interviews, Bur. Naval Personnel Res. Report; An experimental approach to the analysis of adolescent needs, Child Develop. Address: Dept. of Psychology, State University of New York College at Oswego, Oswego, N.Y. 13126.

LUCAS, DR. DANIEL, Clin. Psychol., see 10th ed, Soc. & Behav. Vols.

LUCAS, PROF. D(ARRELL) B(LAINE), b. Greene, Iowa, Sept. 26, 02; m. 24; c. 1. PSYCHOLOGY. B.S., Iowa State, 22, fel., 22-23, M.S., 23; Rutgers, 25-26; Ph.D.(psychol.), N.Y. Univ., 28. Asst. Rutgers, 23-24, instr., 24-27, asst. prof., 27-29; assoc. prof. psychol., Iowa State, 29-30; MKT., N.Y. UNIV., 30-42, PROF., 42-, SUPVR. MKT. SEMINAR, 44-, CHMN. GRAD. SCH. BUS. ADMIN., 64-, JOINT CHMN. MKT. SCHS. BUS., 65-, chmn. dept., 50-61. Tech. dir. Advert. Res. Found., New York, 44-59; res. counsel, Batten, Barton, Durstine & Osborn, 43-; A.C. Nielsen Co., 50-64. Secy-Treas., Mkt. Res. Coun., 41-42, v-pres., 42-43, pres., 43-44. Psychol. Asn.; Mkt. Asn. Measurement of advertising audiences and advertising media. Publ: Co-auth., Advertising psychology and research & Measuring advertising effectiveness. Address: 20 Sunset Park, Upper Montclair, N.J. 07043.

LUCAS, PROF. HENRY LAURENCE, JR., Statist., see 11th ed, Phys. & Biol. Vols.

LUCAS, PROF. JAMES D(AVID), b. Ft. Collins, Colo., Jan. 16, 27; m. 47; c. 2. PSYCHOLOGY. B.A., Iowa, 47, M.A., 49, Ph.D., 50. From asst. prof. to ASSOC. PROF. PSYCHOL., SACRAMENTO STATE COL., 50- Res. psychologist, Mather Air Force Base, 51-54; State Personnel Bd., Calif., 56; psychologist, State Penitentiary, Iowa, 54. U.S.A.A.F., 43-44. Psychol. Asn.

Human values; problem solving; motivation. Publ: Interactive effects of anxiety, failure and intra-aerial duplication, Am. J. Psychol.; Analysis of instructor differences in the use of the student performance rating scale in flight training, Res. Bull., Human Resources Res. Coun. Address: Dept. of Psychology, Sacramento State College, Sacramento, Calif. 95819.

LUCAS, DEAN JOHN W(AYNE), b. Steubenville, Ohio, May 14, 04. BUSINESS ADMINISTRATION. B.S., Ohio State, 29, M.B.A., 35; LL.D., Nebraska, Omaha, 68. PROF. BUS. ADMIN. & HEAD DEPT., NEBRASKA, OMAHA, 38-, DEAN. COL. BUS. ADMIN., 52- Econ. Asn.; Mkt. Asn. Address: College of Business Administration, University of Nebraska, Omaha, Nebr. 68101.

LUCAS, PROF. KEITH EDWARD, b. Moberly, Mo., Mar. 17, 21; m. 48; c. 5. BUSINESS EDUCATION, MARKETING. B.S. Ed., Northeast Mo. State Teachers Col., 43; M.A., Michigan, 46, M.B.A., 47; Ph.D., Ohio State, 53. Teacher, pub. sch., Mich., 43-46; assoc. prof. bus. & supvr. student teaching, Cent. Mo. State Col., 47-49; instr. ed., Ohio State, 50-52; assoc. prof. retailing & mkt. distributive ed., Fairmont State Col., 52-55; assoc. prof. bus. studies, Eastern Michigan, 55-60; prof. bus. ed. & head dept. bus. & econ., Ark. State Col., 60-65; PROF. MKT. & RETAILING & HEAD DEPT., FERRIS STATE COL., 65- Summers, res. analyst, J.L. Hudson Co., 57-58. U.S.A., 43. Mkt. Asn. Study of under-developed departments in department stores and specialty shops; development of collegiate business curriculums. Publ: Co-auth., Channels of distribution, In: Principles of marketing; Price lining, In: Principles of retailing. Address: Dept. of Marketing & Retailing, School of Commerce, Ferris State College, Big Rapids, Mich. 49307.

LUCAS, DR. PAUL, Early Mod. & Mod. European Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LUCAS, DR. ROBERT CHARLES, b. Sioux Falls, S.Dak., Feb. 11, 31; m. 54; c. 2. GEOGRAPHY. B.S., Minnesota, 57, M.A., 59, Ph.D.(geog.), 62; Danforth fel., Chicago, 57-62. Res. soc. scientist, cent. forest exp. sta., U.S. FOREST SERV., 60-61, PROJ. LEADER forest recreation land use, 61-67, WILDERNESS MGT. RES. INTERMT. FOREST. & RANGE EXP. STA., 67- Lectr., Minnesota, 61-67; participant, Nat. Sci. Found. Summer Inst. Quant. Methods Geog. Res., Northwestern, 62. U.S.A.F., 51-52. Asn. Am. Geog.; Am. Geog. Soc.; Regional Sci. Asn. Recreational use of wilderness areas in the western United States, primarily use distributions, visitor activities and attitudes about the environment, management programs and amount and type of use. Publ: Co-auth., Outdoor recreation surveys: length-of-stay bias and its correction by computer, U.S. Forest Serv. N.Cent. Forest Exp. Sta., 65; auth., Wilderness perception and use: The example of the boundary waters canoe area, Nat. Resources J. & Readings in Resource Mgt. & Conserv., 65; The contribution of environment research to wilderness policy decisions, J. Soc. Issues, 66. Address: Intermountain Forest & Range Experiment Station, Forestry Sciences Lab, Drawer 7, Missoula, Mont. 59801.

LUCAS, DR. ROBERT EMERSON, JR., b. Yakima, Wash., Sept. 15, 37; m. 59; c. 2. ECONOMICS. B.A., Chicago, 59, Woodrow Wilson fel., 59-60 & 63, Ph.D.(econ), 64. Asst. prof. ECON, GRAD SCH. INDUSTR. ADMIN., CARNEGIE-MELLON UNIV., 63-67, ASSOC. PROF., 67- Consult, U.S. Bur. Budget, summer, 66. Economet. Soc. Economic theory; econometrics. Publ: Optimum investment policy and the flexible accelerator, Int. Econ. Rev., 2/67; Tests of a capital theoretic model of technological change, Rev. Econ. Studies, 4/67; Adjustment costs and the theory of supply, J. Polit. Econ., 10/67. Address: Dept. of Economics, Carnegie-Mellon University, Pittsburgh, Pa. 15213.

LUCAS, DR. WILLIAM A., b. Aug. 9, 41; U.S. citizen; m. 65. POLITICAL SCIENCE. B.S., N.C. State, 63; fel., Mershon Center Ed. Nat. Security, 66-67; Ph.D.(polit. sci.), North Carolina, Chapel Hill, 67. ASST. PROF. POLIT. SCI., STATE UNIV. N.Y. BUFFALO, 67- Asn. Pub. Opinion Res; Polit. Sci. Asn. Comparative politics; civil-military relations; political parties. Publ: Co-auth., Simulation and national development, Wiley, 66. Address: Dept. of Political Science, State University of New York at Buffalo, 4238 Ridge Lea, Amherst, N.Y. 14226.

LUCCI, YORK, b. Niagara Falls, N.Y., Aug. 6, 15; m. 51; c. 3. SOCIOLOGY. B.A., Buffalo, 47; Columbia, 47-55. Spec. interviewer venereal disease div., U.S. Pub. Health Serv., 48-49; res. asst., bur. appl. soc. res., Columbia, 49-50, res. assoc., 50-51, admin. officer, 51-55, proj. dir., 56-59, sch. library serv., 55-56; sociologist, Army Combat Develop. Exp. Center, STANFORD RES. INST., 59-64, proj. dir., Southeast Asia remote area conflict, 65-66, prog. mgr., remote area conflict, 66-67, DIR. REGIONAL SECURITY STUDIES CENTER, 67- Mem. adv. cmt., Roper Pub. Opinion Res. Lab., Williams Col., 59-; sci. adv., logistic evaluation, Swiftstrike III, U.S. Army, 63, concept team in Vietnam, 62-64. Off. commendation, U.S. Dept. Army, 64. U.S.A., 45-46, Sgt. AAAS; Sociol. Asn.; Asn. Pub. Opinion Res. Military organization; communication and the mass media; social stratification; political behavior. Address: Stanford Research Institute, Menlo Park, Calif. 94025.

LUCE, PROF. R(OBERT) DUNCAN, b. Scranton, Pa., May 16, 25; m. 50, 67. MATHEMATICAL PSYCHOLOGY. S.B., Mass. Inst. Tech., 45, Ph.D.(math), 50. Mem. group networks lab, res. lab. electronics, Mass. Inst. Tech., 50-53; dir. behav. models proj., bur. appl. soc. res., Columbia, 53-57, asst. prof. sociol. & math. statist., 55-57; lectr. soc. rels., Harvard, 57-59; prof. PSYCHOL., PENNSYLVANIA, 59-67, BENJAMIN FRANKLIN PROF., 67- Fel., Center Adv. Study Behav. Sci., 54-55, Nat. Sci. Found. ar. fel., 66-67. U.S.N.R., 43-46, Ens. AAAS; Math. Soc.; Psychomet. Soc.; Math. Asn.; Psychol. Asn.; Soc. Exp. Psychol.; Psychonomic Soc.; Am. Acad. Arts & Sci. Choice behavior; psychophysics; foundations of measurement. Publ: Co-auth., Games and decisions, 57, auth., Individual choice behavior, 59, & co-auth., Handbook of mathematical psychology, 63 & 65, Wiley. Address: Dept. of Psychology, University of Pennsylvania, Philadelphia, Pa. 19104.

LUCHINS, PROF. ABRAHAM S(AMUEL), b. Brooklyn, N.Y., Mar. 18, 14; m. 42; c. 3. PSYCHOLOGY. B.A., Brooklyn Col., 35; M.A., Columbia, 36; New Sch. Soc. Res., 37-42; Ph.D.(psychol.), N.Y. Univ., 40. Asst. grad. faculty, New Sch. Soc. Res., 37-42; assoc. prof. psychol. & chmn. dept. & dir. guid., Ye-

shiva Col. 40-49; assoc. prof. & dir. soc. & clin. progs, McGill, 49-55; as-
soc. prof. PSYCHOL. Oregon, 55-58; PROF. Miami (Fla), 58-62; STATE
UNIV. N.Y. ALBANY, 62- In charge study ment. health, New York Bd. Ed,
42; clin. psychologist & head training unit, Vet. Admin, New York, 46-50.
Consult, Jewish Parochial Sch, Montreal, Can, 49-55; Queen Mary Vet. Hse
Hosp, 49-55; consult. in charge, State Hosp, Salem, Ore, 55; consult, U.S.
Vet. Admin, 56- Dipl. Am. Bd. Exam. Prtnl. Psychol. U.S.A., 43-46. Fel.
Psychol. Assn; Psychonomic Soc. Cognition and perception; social behavior;
clinical psychology; mathematics and natural science. Publ: Co-auth, Rigid-
ity of behavior, Univ. Oregon, 59; auth, A functional approach to training
in clinical psychology, C.C. Thomas, 64; co-auth, Logical foundations of
mathematics, Holt, 65. Address: Dept. of Psychology, State University of
New York at Albany, Albany, N.Y. 12203.

LUCHTERHAND, DR. ELMER, b. Unity, Wis, May 20, 11; m. 42; c. 2. SO-
CIOLOGY, SOCIAL PSYCHOLOGY. B.A. Wisconsin, 48, M.A. 49, fel. 50,
Ph.D.(sociol), 53. Instr. sociol, Connecticut, 51-53; lectr. admin. practices,
exten. dept, McGill, 55-57, asst. prof. SOCIOL, 57-58; prof, Sarah Law-
rence Col, 58-62, dir. community study, 58-60; res. assoc, Yale, 62-67;
ASSOC. PROF, BROOKLYN COL, 67- Res. dir, Community Progress, Inc,
62-67; Penrose Fund, Am. Philos. Soc. res. grant, 65-66. Consult, Alumi-
num Co. Can, 59, 61-62. U.S.A., 43-46. Sociol. Assn; Soc. Study Social Probs.
Urban sociology; inner-city life; bureaucracy and organization; behavior
and organization under massive stress; socio-cultural change; German
society and culture. Publ: Co-auth, Choice in human affairs: an application
to aging-accident-illness problems, Col. & Univ, 66; Inner-city life: re-
sponse to stress by families and youth, (in prep); auth, Prisoner behavior
and social system in the Nazi concentration camps, Int. J. Soc. Psychiat,
fall 67. Address: 46 Overton Rd, Scarsdale, N.Y. 10583.

LUCIER, DR. R(OLAND) OMER, b. Montreal, Que, July 31, 08; nat. PSYCHOL-
OGY. B.S., U.S. Naval Acad, 32; M.A., Texas, 52, Ph.D. (ed. psychol), 55. Res.
assoc, Texas, 54-55; assoc. prof. psychol, Richmond Prtnl. Inst, Col. Wil-
liam & Mary, 55-57; res. assoc, Courtney & Co, Pa, 57-58; res. investr,
Inst. Coop. Res, Univ. Pennsylvania, 58-60; sr. scientist, Rowland & Co,
N.J., 60-64; CONSULT. PROGRAMMER SELECTION, 65- Spec. lectr,
Moore Sch. Elec. Eng. Univ. Pennsylvania, 59-64. U.S.N., 26-50, Comdr.
Fel. AAAS; Psychol. Assn; Soc. Gen. Sys. Res. Human behavior; attitudes;
general semantics. Address: 83-St. Paul-en-Foret, France.

LUCITO, PROF. LEONARD J(OSEPH), b. New Orleans, La, Nov. 26, 24;
m. 45; c. 1. PSYCHOLOGY. B.S., Illinois, 51, M.S., 53, Nat. Inst. Ment.
Health fel, 58-59, Ed.D., 59. Teacher & psychol. exam, pub. schs, Calif,
53-55; asst. inst. res. except. children, Illinois, 55-58; assoc. prof. SPEC.
ED, George Peabody Col, 59-63; from assoc. prof. to PROF, SOUTH FLOR-
IDA, 63- Mem. res. cmt, Coun. Except. Children. U.S.N., 42-46. AAAS;
Psychol. Assn; Asn. Ment. Deficiency; Acad. Polit. & Soc. Sci. Educational
and psychological problems of the gifted and mentally retarded. Publ:
Intellectual patterns of highly gifted children on the WISC, Peabody J. Ed;
Intellectual patterns of gifted compared with average and retarded, Except.
Children. Address: Dept. of Special Education, University of South Florida,
Tampa, Fla. 33620.

LUCK, DR. BEN KLAUE, b. Jan. 30, 25; U.S. citizen; m. 50; c. 2. EDUCA-
TIONAL PSYCHOLOGY. B.S., New Mexico State, 51, M.A., 61; Ed.D. (psychol),
Colo. State Col, 64. Asst. bur. res, Colo. State Col, 63-64; asst. prof.
PSYCHOL, EASTERN NEW MEXICO, 64-68, ASSOC. PROF. & CHMN. DEPT,
68-, acting chmn. dept, 67-68. Consult, pub. schs, N.Mex, 66-68. Mil. Intel,
U.S.A., 44-48; U.S.A.F., 51-60, Res, 60-, Maj. Psychol. Assn; Personnel &
Guid. Assn; Ed. Res. Assn. Teaching of statistics; reliability and validity of
psychological tests. Address: Dept. of Psychology, Eastern New Mexico
University, Portales, N.Mex. 88130.

LUCK, PROF. DAVID J(OHNSTON), b. Toledo, Ohio, Apr. 26, 12; m. 41; c. 3.
MARKETING. A.B., Dartmouth Col, 34; M.B.A., Pennsylvania, 40; Ph.D.
(acct), Texas, 47. Br. off. mgr, E.F. MacDonald Corp, 34-36; asst. sales
mgr, Tel. Dir. Advert. Co, 36-38; asst. instr. mkt, Pennsylvania, 39-40;
instr. acct. & mkt, Texas, 40-46; asst. prof. mkt, Illinois, 46-49, assoc. prof,
49; Mich. State, 49-51, prof, 51-60; sr. economist, Stanford Res. Inst, 59-62;
assoc. dir, Mkt. Sci. Inst, 62-63; PROF. MKT, SOUTHERN ILLINOIS, 63-
Lectr, Brunel, 68. Consult, various corp. & asn. U.S.N.R., 42-46, Lt. Mkt.
Assn; Econ. Assn. Marketing management and product management systems;
marketing cost and profit analysis; marketing strategy; economic base de-
velopment, especially for cities and regions; marketing manpower require-
ments and supply. Publ: Co-auth, Marketing research, Prentice-Hall, 52 &
61, Promotional decision making, McGraw, 63 & Market strategy, Appleton,
68. Address: Dept. of Marketing, Southern Illinois University, Carbondale,
Ill. 62901.

LUCK, DR. THOMAS J(EFFERSON), b. Bloomington, Ind, June 13, 22; m. 44;
c. 2. BUSINESS ADMINISTRATION. B.S., Butler, 46; M.B.A., Northwestern,
47; Ph.D. (econ. & bus), Indiana, 50. Instr. mgt, Northwestern, 47; asst.
prof, Indiana, 47-50; assoc. prof. indust. mgt, Florida, 50-54; prof. bus. ad-
min. & head dept, Col. of William & Mary, 54-56; consult, Am. Col. Life
Underwriters, 56-59; asst. to pres, State Farm Mutual Ins. Co, 59-67;
PROF. BUS. ILLINOIS STATE, 67-; PRES. FARMERS LIFE INS. CO, 67-
Consult, Internal Revenue Serv, D.C., 55-56. Mem. President's Cmt. Hwy.
Safety. U.S.A., 43-46. Econ. Assn; Soc. Adv. Mgt; Mgt. Assn. Trends in col-
lective bargaining; executive development and human relations; personnel
appraisal; financial management. Publ: Personnel audit and appraisal; Life
insurance agency financial management; Personnel handbook. Address: 1911
76th St, Des Moines, Iowa 50322.

LUCKE, DR. ELMINA R, Soc. Sci, see 10th ed, Soc. & Behav. Vols.

LUCKETT, PROF. DUDLEY G(ILMORE), b. Kansas City, Mo, Sept. 10, 28;
m. 53; c. 3. ECONOMICS. A.B., Missouri, 52, M.A., 54; Ford Found. fel,
Texas, 57, Ph.D. (econ), 58. Asst. prof. ECON, IOWA STATE, 58-62, assoc.
prof, 62-64, PROF, 64- Vis. scholar, Mass. Inst. Tech, 63-64. U.S.A., 46-
47. Econ. Assn; Finance Assn. (managing ed, J. Finance, 67-). Interest rate
theory; monetary policy and commercial bank behavior; small business

administration; problems of management of public debt; effects on effective-
ness of monetary policy and economic stabilization. Publ: Bills only: a
critical appraisal, Rev. Econ. & Statist; Professor Lutz and the structure of
interest rates & Multi-period expectations and the term structure of interest
rates, 5/67, Quart. J. Econ. Address: Dept. of Economics, Iowa State Uni-
versity, Ames, Iowa 50010.

LUCKEY, DR. BERTHA M(USSON), Psychol, see 10th ed, Soc. & Behav. Vols.

LUCKEY, DR. ELEANORE BRAUN, b. La Junta, Colo, Feb. 27, 15; wid; c. 3.
PSYCHOLOGY. A.B., Colorado State, 37, M.A., 42; Ph.D., Minnesota, 59.
Instr. family rels, Minnesota, 53-58; asst. prof. family life & marriage
counseling, child welfare res. sta, Univ. Iowa, 58-61; PROF. CHILD DE-
VELOP. & FAMILY RELS. & HEAD DEPT, CONNECTICUT, 61- Summer
fel, Bowman Gray Sch. Med, 66. Consult, family life cmt, Nat. Coun.
Churches, 58-; workshop marital counseling & referral, Community Ment.
Health Soc. Workers, Minn, 62; spec. consult, off. of chief, children's bur,
Dept. Health, Ed. & Welfare, D.C., 66- Psychol. Assn; Personnel & Guid.
Assn; fel. Asn. Marriage Counsr; Soc. Sci. Study Sex; Home Econ. Assn. Re-
lation of marital satisfaction to perceived concepts. Publ: Co-auth, Guide-
ance for children in elementary schools, Appleton, in press; auth, Percep-
tional congruence of self and family concepts as related to marital satisfac-
tion, Sociometry; Helping children grow up sexually, Children, Dept. Health,
Ed. & Welfare, 7/67. Address: Dept. of Child Development & Family Re-
lations, University of Connecticut, Box U 58, Storrs, Conn. 06268.

LUCKHAM, DR. W(ILLIAM) R(ICHARD), b. St. Williams, Ont, June 9, 31;
m. 56; c. 3. AGRICULTURAL ECONOMICS. B.S.A., Ont. Agr. Col, 55; M.Sc.,
Ohio State, 57, Ph.D., 59. ASSOC. EXTEN. AGR. ECONOMIST, VA. POLY-
TECH, 59- Poultry Sci. Assn; Agr. Econ. Assn. Poultry and egg marketing;
pricing and use of market price quotations by producers; management anal-
ysis of agricultural marketing firms; equitable production contracts for the
poultry industry. Address: Dept. of Agricultural Economics, Virginia
Polytechnic Institute, Blacksburg, Va. 24061.

LUCKI, DEAN EMIL, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LUCKMANN, PROF. THOMAS, b. Jesenice, Yugoslavia, Oct. 14, 27; nat;
m. 50; c. 2. SOCIOLOGY. M.A., New Sch. Soc. Res, 53, Halle fel, 55-56,
Ph.D. (sociol), 56. Asst. sociol, res. div, New Sch. Soc. Res, 53-56; from
instr. to asst. prof. sociol. & anthropol, Hobart Col, 56-60; asst. prof. sociol,
grad. faculty polit. & soc. sci, New Sch. Soc. Res, 60-63, assoc. prof. 63-
65; PROF, FRANKFURT, 65- Vis. prof, Freiburg, 60; grad. faculty, New
Sch. Soc. Res, 66. Proj. consult, bur. appl. soc. res, Nat. Inst. Ment.
Health, 62, Hartford Sem. Found, 62. Fel. Sociol. Assn; Ling. Soc. Am; Ger-
man Soc. Sociol. Social theory; sociology of knowledge, religion, language
and occupations; social mobility. Publ: Co-auth, The social construction of
reality, Doubleday, 66; auth, Invisible religion, Macmillan, 67; Soziologie
Der Sprache, In: Handbuch der Empirischen Sozial forschung, Stuttgart, 68.
Address: Dept. of Sociology, University of Frankfurt, Frankfurt am Main,
Germany.

LUDDEN, DR. H(OWARD) ROWLAND, b. Rome, N.Y., May 19, 23; m. 48; c. 6.
POLITICAL SCIENCE. A.B., Colgate, 43; univ. scholar, Milbank fel. & M.A.,
Princeton, 46, Ph.D. (polit), 66. Asst. prof. polit. sci, Fla. State, 48-50;
lectr, George Washington, 50-51, asst. prof, 51-61, assoc. prof, 61-65;
SR. POLIT. SCIENTIST, OPERS. RES. INC, SCI. SUPPORT GROUP, U.S.
ARMY COMBAT DEVELOP. COMMAND, INST. ADV. STUDIES, 63-, MGR.
CARLISLE RES. OFF, 65- Polit. Sci. Assn. International relations, com-
munications and organization; military strategy. Publ: District of Colum-
bia, In: Presidential nomination politics in 1952; Development of informa-
tion activities, In: American diplomacy in a new era; co-auth, Classified
long range future studies, U.S. Army, 63-68. Address: Circle Dr, R.D. 1,
Carlisle, Pa. 17013.

LUDLOW, PROF. HOWARD T(HOMAS), b. New York, N.Y., Sept. 7, 21; m. 52;
c. 3. ECONOMICS. B.S., Fordham, 47, M.A., 49, Ph.D. (econ), 55. Instr.
econ, SETON HALL, 49-53, asst. prof. MGT, 54-55, assoc. prof, 56-58,
PROF. & CHMN. DEPT. 59- Vis. prof, Georgetown, 64. Mem. State Mini-
mum Wage Bd, N.J., 55; State Bd. Mediation, 56-; pres, Asn. Labor Medi-
ation Agencies, 66-67. U.S.A., 42-43. Econ. Assn; Indust. Rels. Res. Assn.
Labor relations; personnel; mediation. Publ: Business management, 65 &
Labor economics, 66, Monarch Press; Formal education and mediator ac-
ceptability, Labor Law J, 10/66. Address: 22 Martha Blvd, Parlin, N.J.
08859.

LUDLOW, PROF. WILLIAM L(INNAEUS), b. Elyria, Ohio, Feb. 16, 05. PO-
LITICAL SCIENCE. A.B., Oberlin Col, 28, A.M. & B.D., 34; Ph.D., Chicago,
48. Assoc. prof. POLIT. SCI, MUSKINGUM COL, 36-47, PROF, 47- Polit.
Sci. Assn; Soc. Int. Law. American constitutional law; marriage and family;
fellowship of marriage. Address: 160 W. High St, New Concord, Ohio 43762.

LUDMER, PROF. HENRY, b. Prague, Czech, Dec. 10, 08; nat. ECONOMICS.
J.D. & D. Polit. Econ, Prague, 34; cert. Czech. Tech. Sch. Commerce, 39;
M.A., Missouri, 42. Asst. prof. pub. law & admin, State Sci. Inst, Czech, 35-
38; prof. polit. econ, Col. Commerce, Prague, 38-39; commercial engr,
Anglo-Continental Buying Agency, 39-41; prof. acct. & econ, Wentworth Mil.
Acad, 41-42; intel. specialist, U.S. Dept. Army, 42-45; prof. acct, Austin
Col, 45-46; pub. finance, Toledo, 46-50; U.S. tax adminstr. & reviewer, 50-
54; assoc. prof. indust. eng, Ill. Inst. Tech, 54-57; prof. indust. mgt, Roose-
velt, 57-63; EMPLOYEE DEVELOP. OFFICER, DEFENSE SUPPLY
AGENCY, DEPT. DEFENSE, 63- U.S. del. Inter-Am. Fiscal Conf, 49.
Pres, Nat. Inst. Commercial Eng, 55. Econ. Assn; Soc. Eng. Ed; Am. Acct.
Assn; Inst. Math. Statist; Inst. Indust. Eng. Publ: Commercial engineering,
Indust. Mgt. Soc. Bull. Address: 134 Peach St, Park Forest, Ill. 60466.

LUDOLF, DR. GORDON WILLIAM, b. Elizabethton, Tenn, July 15, 31. ECO-
NOMICS, LABOR RELATIONS. B.S., East Tenn. State, 53, M.A., 54; Ph.D.
(econ), Ohio State, 64. Instr. ECON, Ohio State, 57-58; asst. prof, Rich-
mond, 58-61, EAST TENN. STATE, 61-64, assoc. prof. 64-67, PROF, 67-,

- CHMN. DEPT. 65- Labor arbitrator, 66- Econ. Asn; Indust. Rel. Res. Asn. Labor market conditions; collective bargaining practice; regional economic development. Address: Dept. of Economics, East Tennessee State University, Johnson City, Tenn. 37601.
- LUDTKE, PROF. JAMES B(UREN), b. Waterloo, Iowa, Mar. 4, 24; m. 48; c. 5. ECONOMICS, FINANCE. B.A. Iowa, 47, M.A., 48, Ph.D.(econ), 51. Instr. econ, Iowa, 47-51; MASSACHUSETTS, 51-52, asst. prof. FINANCE, 52-54, assoc. prof, 54-60, PROF. 60-, CHMN. DEPT. GEN. BUS. & FINANCE, 59- Sloan teaching intern, Mass. Inst. Tech, 61-62. U.S.N.R., 43-46, Res, 46-66, Lt. Comdr. Econ. Asn; Finance Asn. Federal debt management; structure of American financial institutions; business finance; mutual savings banking. Publ: Positive program for federal debt management; The American financial system, 2nd ed, Allyn & Bacon, 67. Address: 321 E. Pleasant St, Amherst, Mass. 01002.
- LUDVIGSON, DR. H(AROLD) WAYNE, b. Grand Meadow, Minn, July 5, 34; m. 62. EXPERIMENTAL PSYCHOLOGY. B.A. Iowa, 56, M.A., 59, Nat. Sci. Found. fel, 59-60, Ph.D.(psychol), 60. Asst. prof. exp. psychol, Carnegie Inst. Tech, 60-64; PSYCHOL, southwest. med. sch, Texas, 64-66; ASSOC. PROF. TEXAS CHRISTIAN, 66-, Res. Found. res. grant, 66. Nat. Inst. Ment. Health res. grants, 64-66 & 67-69. AAAS; Psychol. Asn; Psychonomic Soc. Learning; motivation; behavior theory. Publ: Response units in the prediction of simple event patterns, 66, co-auth. An investigation of conditions determining contrast effects in differential reward conditioning, 67 & auth, Interaction of midchain detention and reward magnitude in instrumental conditioning, 68, J. Exp. Psychol. Address: Dept. of Psychology, Texas Christian University, Ft. Worth, Tex. 76129.
- LUDWIG, DR. ARMIN KONRAD, b. Toledo, Ohio, Dec. 30, 30; m. 52; c. 3. GEOGRAPHY. B.S. Ball State, 52; M.A. Mich. State, 55; Ph.D.(geog), Illinois, 62. Instr. GEOG, COLGATE, 58-62, asst. prof, 63-66, ASSOC. PROF, 67- Soc. Sci. Res. Coun. field res. grant, Brasília, 63-64; Colgate Res. Coun. field res. grant, Amazon & Brasília, 66; Soc. Sci. Res. Coun. & Agr. Develop. Coun. field res. grant, Brazilian land reform, 67-68; summer Nat. Defense Ed. Act grant, Portuguese lang. study, Texas, 62. U.S.N.R., 51-54. Asn. Am. Geog; Asn. Latin Am. Studies. Interacting elements of physical, cultural, economic and political systems bearing on urban and rural structures in Brazil. Publ: Planning and creation of Brasília, In: New perspectives of Brazil, Vanderbilt, 66. Address: Dept. of Geography, Colgate University, Hamilton, N.Y. 13346.
- LUDWIG, DR. DAVID J, b. Oxford, Nebr, Sept. 13, 38; m. 61; c. 2. PSYCHOLOGY. B.A. Concordia Col.(Ind), 60; B.D. Concordia Sem.(Mo), 65; M.A. Washington (St. Louis), 65, Ph.D. 66. ASST. PROF. PSYCHOL, CONCORDIA COL.(IND), 66- Psychol. Asn. Levels of personality, self-concept, and reaction to frustration. Address: Dept. of Psychology, Concordia College, Fort Wayne, Ind. 46805.
- LUDWIG, DR. EDWARD G, b. Buffalo, N.Y., Mar. 8, 30; m. 53; c. 7. MEDICAL SOCIOLOGY, SOCIAL GERONTOLOGY. B.S. Canisius Col. 60; M.S., Purdue, 61, Ph.D.(med. sociol), 65. Res. asst. med. Purdue Farm Cardiac Proj, 60-61, instr. & res. assoc. MED. SOCIOLOGY, 63-65, instr, Rosary Hill Col. 61-63; ASST. PROF. OHIO STATE, 65-, RES. ASSOC, UNIV. HOSPS, 66- U.S.A., 51-53, Sgt. Sociol. Asn. Health, sickness and disability, especially rehabilitation and aging. Publ: Co-auth, Poverty and health, In: Poverty in the affluent society, Harper, 65; auth, Age and disillusionment: a study of value changes associated with aging, J. Geront, 1/67; co-auth, Patient cooperation in a rehabilitation center: assumption of the client role, J. Health & Soc. Behav, 12/68. Address: Dept. of Physical Medicine, Ohio State University, Columbus, Ohio 43210.
- LUDWIG, FRED J(EROME), Phys. Anthropol, see 11th ed, Phys. & Biol. Vols.
- LUEBBEN, PROF. RALPH A(UGUST), b. Milwaukee, Wis, Feb. 14, 21; m. 46. CULTURAL ANTHROPOLOGY. B.S. Purdue, 43; M.A. New Mexico, 51; Soc. Sci. Res. Coun. fel, 53-54; Ph.D.(anthrop), Cornell, 55. Exp. design engr, Falk Corp, 46-48; jr. design engr, A.O. Smith Corp, 48-49; instr. anthrop, Pa. State, 54-55; asst. prof. sociol, Iowa State Col, 55-57; sociol. & anthrop, Grinnell Col, 57-61; ASSOC. PROF. ANTHROP, Ariz. State Col, 61-63; Colo. Woman's Col, 63-67; GRINNELL COL, 67- U.S.A., 43-46, Lt. Fel. Anthropol. Asn; Soc. Appl. Anthropol; Soc. Archaeol; Ethnol. Soc. Ethnology; applied anthropology; American southwest; Puebloan archaeology; process and effects of culture change among the Navajo Indians. Publ: The Navaho dilemma: a question of necessity, Am. Indian; Physiographic environment of the Lower Chama Valley & Leaf water site, In: Salvage archaeology in the Chama Valley, New Mexico; co-auth, An unusual pueblo III ruin, Mesa Verde, Colo, Am. Antiquity. Address: Grinnell College, Grinnell, Iowa 50122.
- LUEPTOW, DR. LLOYD BENJAMIN, b. Columbus, Wis, Aug. 4, 28; m. 52; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.S. Wisconsin, 52, M.S., 57, Ph.D.(sociol), 64. Instr. sociol, exten, Wisconsin, 57-64; assoc. prof, Indiana State, 64-67; ASSOC. PROF. SOCIOLOGY & URBAN STUDIES & ASST. DIR. CENTER URBAN STUDIES, AKRON, 67- Nat. Sci. Found. res. grant, 67-68. U.S.N., 46-51, Ensign. Sociol. Asn. Psychological and socioeconomic factors underlying occupational orientations and selections; role network and role performance factors among the urban disadvantaged. Address: Center for Urban Studies, University of Akron, Akron, Ohio 44304.
- LUFT, PROF. JOSEPH, b. Detroit, Mich, Apr. 2, 16. PSYCHOLOGY. B.A., Brooklyn Col, 38; Ph.D.(psychol), California, Los Angeles, 50. Instr. psychol, California, Los Angeles, 50; acting asst. prof, Stanford, 50-53, U.S. Pub. Health Serv. res. grant, 52-53; asst. res. psychologist, univ. med. center, California & Langley Porter Clin, 53-54; asst. prof. PSYCHOL, SAN FRANCISCO STATE COL, 54-61, from assoc. prof. to PROF, 61- Fulbright lectr, Florence, 60-61; assoc. mem, Nat. Training Labs. Dipl, Am. Bd. Exam. Prfnl. Psychol. U.S.A.A.F., 42-45. Psychol. Asn. Personality theory; experimental approaches to study of interpersonal relations; psychotherapeutic processes. Publ: Implicit hypotheses and clinical prediction, J. Abnorm. & Soc. Psychol; Differences in prediction based on hearing versus reading verbatim clinical interviews, J. Consult. Psychol; Interaction and projection, J. Proj. Tech. Address: Division of Psychology, San Francisco State College, San Francisco, Calif. 94132.
- LUJAN, DR. HERMAN D(AMIENT), b. Peleau-Hakalau, Hawaii, Apr. 7, 36; m. 59; c. 3. POLITICAL SCIENCE. B.A., St. Mary's Col.(Calif), 58; M.A., California, Berkeley, 60; Coe Found. fel, Hawaii, 61; Nat. Defense Ed. Act fel. & Ph.D.(polit. sci), Idaho, 64. ASST. PROF. POLIT. SCI, KANSAS & RES. ASSOC. GOVT. RES. CENTER, 64- Ford Found. Prfnl. Sch. Prog. grant study admin. in Guatemala, 67-68. Polit. Sci. Asn. The use of aggregate data in political analysis; politics of administration and local government in developing countries. Publ: Kansas votes: national and statewide general elections, 1958-1964, Govt. Res. Center, Univ. Kansas, 66; The rural electorate in Idaho, Rocky Mt. Soc. Sci. J., 68. Address: Dept. of Political Science, University of Kansas, Lawrence, Kans. 66045.
- LUKACZER, DR. M(ODES), b. New York, N.Y., Mar. 28, 11; m. 48; c. 3. ECONOMICS. B.S. Columbia, 32, M.A., 35, Ph.D.(econ), 50. Economist, Soc. Security Bd, 41-42; War Prod. Bd, 42-43; Nat. War Labor Bd, 43-45; chief anal. & prog. appraisal, Nat. Wage Stabilization Bd, 45-47; Nat. Security Resources Bd, 49-51; Wage Stabilization Bd, 51-53; prof. econ, Lincoln (Pa), 53-60; economist, off. cmnr, Soc. Security Admin, 60-65; ASST. DIR. FED. PROG. DIV, U.S. CMN. CIVIL RIGHTS, 65- Ford Found. summer fel, Yale, 58. Econ. Asn. Labor economics; manpower. Publ: Co-auth, Manpower projections: an appraisal and a plan of action, U.S. Dept. Labor Manpower Admin, 67; auth, Children in need: a study of the AFDC program in Cleveland and Cuyahoga County, Ohio, U.S. Cm. Civil Rights, 67; A technique for projecting the covered population in the medium range period, Int. Rev. Actuarial & Statist. Prob. Soc. Security, 66. Address: 3607 Stewart Driveway, North Chevy Chase, Md. 20015.
- LUKAS, PROF. GAZE E(LMER), b. Marino Selo, Austria-Hungary, Nov. 9, 07; nat; m. 32; c. 1. ACCOUNTING, LAW. B.S. Illinois, 30, M.S., 33, J.D., 56. From asst. to instr. acct, Illinois, 30-35; from budget officer to dir. finance, farm security admin, U.S. Dept. Agr, 35-42; chief acct, UNRRA, 45; div. chief renegotiation & contract settlements, off. qm. gen, War Dept, 45-47; dir. admin, India & Rome Embassies, U.S. Dept. State, 47-54; asst. prof. ACCT, ILLINOIS, URBANA, 54-56, assoc. prof, 56-57, PROF, 57-, participating prof. law, 59. Consult. to State Auditor Gen, Ill, 60; Agency Int. Develop, Venezuela, 62. Mem, Ill. County Audit Adv. Bd, 63-, chmn, 65-67. U.S.A., 42-45, Maj; Bronze Star Medal. Am. Acct. Asn; Nat. Asn. Acct; Inst. Cert. Pub. Acct. Budgeting and fiscal administration in governmental and non-profit organizations; legal liability of public accountants; accountancy in the law. Publ: American accounting profession, N.Z. J. Acct; Illinois leads in fiscal accountability, Ill. County & Township Official, 10/67. Address: 226 David Kinley Hall, University of Illinois, Urbana, Ill. 61801.
- LUKAS, DR. JEROME STEPHEN, b. Detroit, Mich, Feb. 27, 30; m. 58; c. 4. ENGINEERING PSYCHOLOGY. B.A., Wayne State, 54, M.A., 57, Ph.D. (psychol), 61. Res. psychologist, Henry Ford Hosp, 57-59, chief sec. psychol, 59-61; sr. engr, Orlando Div, Martin-Marietta Corp, 61-62; sr. eng. psychologist, Lockheed Missile & Space Co, 62-64; OPERS. ANALYST, SENSORY SCI. RES. CENTER, STANFORD RES. INST, 64- Med.C, U.S.A., 48-49, 50-51. AAAS; Psychol. Asn; Human Factors Soc; Psychonomic Soc. Effects of the sensory environment on individuals and populations. Publ: Co-auth, Behavioral changes during hypothalamic or limbic stimulation in the monkey, Am. J. Psychiat, 117: 511-518; auth, A system for the automatic frequency analysis of electroencephalograms, In: Proceedings interdisciplinary clinic on the instrumentation requirements for psychophysiological research, Found. Instrumentation Ed. & Res, 61; co-auth, Auditory thresholds as a function of forced choice and feedback, J. Acoustical Soc. Am, 34: 223-228. Address: Stanford Research Institute, Menlo Park, Calif. 95003.
- LUKEN, FRANK L, b. Cincinnati, Ohio, Apr. 6, 19; m. 42; c. 4. BUSINESS ADMINISTRATION. Ph.B., Xavier, 40; M.B.A., Ohio State, 48. Asst. prof. bus. admin, Xavier, 48-54; v-pres, Villa Madonna Col, 54-65; LECTR. MGT. CINCINNATI, 65- Consult, Goodyear Rubber Co, 49; Gen. Motors Corp, 50; Randall Mfg. Co, 51; Formica div, Am. Cyanamid, 52; U.S. Air Force, 53. U.S.A., 41-46, Maj. Econ. Asn; Soc. Adv. Mgt; Soc. Personnel Admin; Mgt. Asn; Indust. Rel. Res. Asn. Case studies in personnel management. Publ: Monograph on job hunting, U.S. Govt, 65. Address: 3924 Grace Ave, Cincinnati, Ohio 45211.
- LUKENS, PROF. SAMUEL J(ESSE), b. Clearfield, Pa, June 24, 04; m. 31; c. 3. ECONOMICS, BUSINESS ADMINISTRATION. A.B. Michigan, 28, M.B.A., 29, univ. fel, 35-36, Ph.D.(bus. admin), 40. Instr. econ, Michigan, 29-30; instr. econ. & asst. prof. commerce, Pittsburgh, 30-39; mgr. indust. div, Chamber of Commerce, Pittsburgh, 39-41; dir. sch. bus. & Prince sch. retailing, Simmons Col, 41-46; personnel mgr, Paul Revere Life Ins. Co, 46-68, PROF. BUS. CENTRAL MICHIGAN, 68- Lectr, Clark, 53-68. Econ. Asn. Personnel management; industrial relations; business organization; marketing. Publ: Selection and development of foremen. Address: 3870 Preston Rd, Mt. Pleasant, Mich. 48858.
- LUKER, PROF. ALBERT G(EORGE), b. Lane, S.Dak, Jan. 27, 18; m. 41; c. 3. PSYCHOLOGY. B.S., South Dakota, 39, M.A., 42; Ed.D.(psychol), Colo. State Col, 51. Asst. prof. soc. sci, S.Dak. Sch. Mines, 46-50; assoc. prof. psychol. & res. chmn, E.Tenn. State Col, 51-56; from prof. ed. & psychol. to PROF. PSYCHOL, ST. CLOUD STATE COL, 56- U.S.A., 42-46. Coun. Except. Children; Psychol. Asn. Motivation; mental health; predicting achievement. Address: Dept. of Psychology, St. Cloud State College, St. Cloud, Minn. 56301.
- LUM, HARRY S(OI-LUN), Econs, Math. Statist, see 11th ed, Phys. & Biol. Vols.
- LUM, MARY D(ANG), Math. Statist, see 11th ed, Phys. & Biol. Vols.
- LUMPKIN, PROF. KATHARINE DuPRE, b. Macon, Ga, Dec. 22, 97. SOCIOLOGY. A.B. Brenau Col, 15; M.A. Columbia, 18; univ. fel, Wisconsin, 26-27, Laird fel, 27-28, Ph.D.(sociol), 28. Asst. hist, Brenau Col, 15-17; nat. student secy, Nat. YWCA, N.Y., 20-25; instr. sociol. & econ, Mt. Holyoke Col,

- 28-29; fel. sociol. res. proj. Soc. Sci. Res. Coun. 29-30; res. dir. coun. indust. studies, Smith Col. 32-38; Inst. Labor Studies, Mass. 39-49; vis. lect. SOCIOL. Mills Col. 56-57; vis. prof. WELLS COL. 57-60, prof. 60-67, EMER. PROF. 67- Sociol. Asn. Southern social history from the period of slavery; contemporary Negro-white relations in American society; juvenile delinquency and child labor problems. Publ: The family: a study in member roles, Univ. North Carolina, 33; co-auth. Child workers in America, McBride, 37; auth. The making of a southerner, Knopf, 47. Address: 1625 Grove Rd, Charlottesville, Va. 22901.
- LUMPKIN, DR. ROBERT PIERCE, b. Culpeper, Va., Mar. 16, 13; m. 47; c. 4. ECONOMICS. B.A., Richmond, 48; A.M., Harvard, 50, Ph.D. (econ), 55. Assoc. economist, Fed. Reserve Bank of Richmond, 52-53, financial economist, 53-57, sr. economist, 57-60; assoc. prof. econ. Richmond Pfrnl. Inst. 61-63, prof. 63-68, mem. faculty, eve. sch. 52-61; V.PRES. & ECONOMIST, VA. COMMONWEALTH BANKSHARES, INC. 68- Consult. Bank of Va. 60-68. Publisher, Va. Commonwealth Bankshares Money Rev. 60- Sig. C., U.S.A. 42-46. Econ. Asn; Finance Asn. Monetary policy; commercial banking; consumer and real estate credit. Publ: Readings on money; Bank capital, problems and policies; co-auth. Economics, U.S.A., McGraw, 67. Address: 8414 Yolanda Rd, Richmond, Va. 23229.
- LUMSDAINE, PROF. ARTHUR ALLEN, b. Seattle, Wash, Nov. 23, 13; m. 45; c. 3. PSYCHOLOGY. B.S., Washington (Seattle), 37, fel. 37-38; Ph.D., Stanford, 49. Asst. acting instr. Stanford, 38-40; instr. psychol. Princeton, 40-42; dep. chief, exp. sect. res. br. info. & ed. div. Off. Chief of Staff, U.S. War Dept. 42-46; res. asst. prof. psychol. & assoc. dir. motion picture res. proj. Yale, 46-49; chief, audiovisual res. div. Human Resources Res. Labs, U.S. Dept. Air Force, 49-53, dir. res. training aids res. lab. Air Res. & Develop. Command, 53-56, chief, flight syst. & training br. & dep. tech. dir. maintenance lab. Personnel & Training Res. Center, 56-58; prog. dir. Am. Inst. Res. 58-60; prof. ed. California, Los Angeles, 59-65; PROF. PSYCHOL. & CHMN. DEPT. WASHINGTON (SEATTLE), 65- Res. analyst, Soc. Sci. Res. Coun. 46-47; res. assoc. & consult. Pa. State, 47-48; vis. prof. California, 58. Consult. Off. Surg. Gen. U.S. Dept. Air Force, 48-49; U.S. Off. Ed. 59-60 & 61-; res. adv. ed. media, Am. Inst. Res. 60- Fel. AAAS; fel. Psychol. Asn; Statist. Asn; Psychonomic Soc. Experimental studies of human learning and factors governing effects of instructional media; evaluation of educational programs. Publ: Co-auth. Experiments on mass communication; ed. Student response in programmed instruction; co-ed. Teaching machine and programmed learning. Address: Dept. of Psychology, University of Washington, Seattle, Wash. 98105.
- LUMSDEN, DR. ERNEST A (SBURY), JR., b. Lexington, N.C., Feb. 21, 31; m. 55; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A., Richmond, 55; Ph.D. (exp. psychol.) Duke, 65. Res. asst. exp. psychol. Duke, 60-64, instr. PSYCHOL. 63-64; assoc. prof. Furman, 64-66; ASST. PROF. NORTH CAROLINA, GREENSBORO, 66- Mem. Nat. Sci. Found. res. participation col. teachers, Michigan, 66. U.S.A.F. 54-58, S/Sgt. Phylogenetic comparison of perceptual organization of visual input of three-dimensional objects. Publ: Co-auth. The salience of the vertical dimension in the concept of bigger in 5 and 6 year olds, J. Verbal Learning & Verbal Behav. 68; auth. More definitive measures of stimulus generalization gradients, & Device permitting rapid and accurate change of stimulus values and coincident introduction of appropriate circuits, 2/68, Perceptual & Motor Skills. Address: Dept. of Psychology, University of North Carolina, Greensboro, N.C. 27412.
- LUND, PROF. FREDERICK HANSEN, Psychol. see 10th ed, Soc. & Behav. Vols. deceased 65.
- LUND, DR. RICHARD J (ACOB), Econ. Geol. see 11th ed, Phys. & Biol. Vols.
- LUNDBERG, DR. CRAIG C (ARL), b. Seattle, Wash, Sept. 7, 32; m. 52; c. 2. INDUSTRIAL SOCIOLOGY. B.A., Washington (Seattle), 54, M.B.A. 57; Ford Found. fel. Cornell, 59-60, Ph.D. (human rels), 66. Asst. prof. bus. admin. Western Ontario, 60-65; lect. org. behav. Cornell, 65-66; ASST. PROF. INDUST. PENNSYLVANIA, 66- Sociol. Asn; Inst. Mgt. Sci. Acad. Mgt. Applied social psychology; interpersonal and social aspects of decision-making in the context of formal organizations; dynamics of group and organizational behavior among executives and professional careerists. Publ: Middleman in science utilization, Am. Behav. Scientist, 2/66; A strategy for administrative research, J. Mgt. Studies, 2/66; co-auth. Readiness for management development, Calif. Mgt. Rev. 1/67. Address: Wharton School, University of Pennsylvania, Philadelphia, Pa. 19104.
- LUNDBERG, PROF. DONALD E (MIL), b. Waterloo, Iowa, June 10, 16; m. c. 1. BUSINESS MANAGEMENT. B.A., Iowa State Teachers Col. 41; M.A., Duke, 42; Ph.D. (appl. psychol.) Cornell, 46. Voc. counsr. Cornell, 45-46, asst. prof. psychol. & personnel, 46-49; dean students, Idaho State Col. 49-50; prof. restaurant & hotel mgt. & head dept. Fla. State, 50-60; prof. hotel admin. & chmn. dept. New Hampshire, 60-63; PROF. IN CHARGE RESTAURANT & HOTEL MGT. MASSACHUSETTS, 63- U.S.N.R. 42-45, Comdr. Publ: Co-auth. The management of people in hotels, restaurants and clubs, Brown, 64 & Understanding cooking, Lundberg & Kotschevar, 65, auth. Costa Rica, Juan Mora, Costa Rica, 68. Address: Hotel & Restaurant Program, University of Massachusetts, Amherst, Mass. 01002.
- LUNDBERG, PROF. FERDINAND, b. Chicago, Ill., Apr. 30, 05; m. 44; c. 2. SOCIOLOGY. B.S., Columbia, 48, M.A. 56. Writer finance, N.Y. Herald Tribune, 27-34; prin. economist, War Prod. Bd, D.C. 41-44; lect. sociol. & philos. Finch Col. 45-52; ADJ. PROF. LOGIC & PHILOS. N.Y. UNIV. 52-Vis. assoc. prof. Carnegie Inst. Tech. 56-57; lect. Brooklyn Acad. Arts & Sci. N.Y. 59-60. Ed. Twentieth Century Fund, N.Y. 46-52. AAAS; fel. Sociol. Asn; Philos. Asn. Social analysis and social change. Publ: America's sixty families; Modern woman: the lost sex; The rich and the super-rich, Lyle Stuart, 68. Address: 598 Quaker Rd, Chappaqua, N.Y. 10514.
- LUNDBERG, PROF. GEORGE A (ANDREW), Sociol. Statist. see 10th ed, Soc. & Behav. Vols. deceased 66.
- LUNDBERG, PROF. KENNETH VICTOR, b. Thomaston, Conn., Aug. 15, 23; m. 47; c. 4. ECONOMICS. A.B., Wheaton Col. 49; M.A., Wisconsin, 50, Ph.D. 53. Asst. prof. ECON. Cent. Wash. State. Col. 52-61, assoc. prof. 61-63; R.I. COL. 63-66, PROF. 66- U.S.A.A.F. 42-45. Econ. Asn; Econ. Hist. Asn. Economic theory and history. Publ: Daniel Raymond, early American economist. Address: Dept. of Economics, Rhode Island College, Providence, R.I. 02908.
- LUNDE, DR. ANDERS S (TEEN), b. Bridgeport, Conn., Dec. 10, 14; m. 39; c. 4. SOCIOLOGY. A.B., St. Lawrence, 38, B.D. 42; M.A., Columbia, 47, Ph.D. (sociol.) 55. Res. assoc. Bur. Appl. Soc. Res. N.Y. 46-48; instr. sociol. Rutgers, 48-51; asst. prof. St. Lawrence, 51-55; prof. & chmn. dept. Gallaudet Col. 55-58, minister, 58-62; chief, natality statist. br. div. vital statist. NAT. CENTER HEALTH STATIST., U.S. PUB. HEALTH SERV. 62-64, asst. dir. 64-67, DIR. OFF. STATE SERV. 67- Mem. staff, Frederick A. Moran Inst. Crime & Delinquency, 51-55. U.S.A. 43-46, Maj. Fel. AAAS; fel. Sociol. Asn; fel. Pub. Health Asn; Pop. Asn. (secy-treas, 65-); Statist. Asn. Population; criminology; communication. Publ: Some problem aspects of differential fertility measurement in the United States, UN World Pop. Conf. 65; Demographic implications in the new United States certificates, Demography, 66; Revisions of standard certificates of vital events, Pub. Health Reports, 10/67. Address: 1120 Sourwood Dr, Chapel Hill, N.C. 27514.
- LUNDE, PROF. WALTER A, b. Minn., Mar. 27, 99. SOCIOLOGY. A.B., Gustavus Adolphus Col. 22; B.D., Northwest. Lutheran Theol. Sem. 27; A.M., Minnesota, 29; Ph.D., Harvard, 34. Asst. prof. SOCIOL., Pittsburgh, 30-41; PROF., IOWA STATE, 47- U.S.A. 43-46. Fel. AAAS; Sociol. Asn. Systematic outline of criminology; juvenile delinquency; statistics on crime and criminals. Publ: Crimes and criminals; co-auth. Power and morality, Sargent, 59; auth. The prison warden and custodial staff, C.C. Thomas, 65. Address: 204 East Hall, Iowa State University, Ames, Iowa 50010.
- LUNDGREN, DR. ALLEN L (LOYD), b. Glenwood, Minn., Nov. 30, 27; m. 52; c. 3. FOREST ECONOMICS. B.S., Minnesota, 51, M.F. 54, Ph.D. (forestry, econ), 59. Forester, U.S. Forest Serv. 51-53; asst. forestry econ. Minnesota, 53-56; res. forester, lake states forest exp. sta, U.S. FOREST SERV. 56-66, PRIN. ECONOMIST, N.CENT. FOREST EXP. STA. 66- U.S.A. 46-47. Soc. Am. Foresters; Agr. Econ. Asn; Econ. Asn. Economics of timber production. Publ: Thinning red pine for high investment returns, Res. Paper LS-18, 65, Estimating investment returns from growing red pine, Res. Paper NC-2, 66 & A computer program for evaluating long-term forestry investments, Res. Paper NC-10, 67, U.S. Forest Serv. Address: North Central Forest Experiment Station, Forest Service, U.S. Dept. Agriculture, Folwell Ave, St. Paul, Minn. 55101.
- LUNDGREN, DR. JAN O. J., b. Sweden, Feb. 16, 33; m. 61; c. 1. ECONOMIC GEOGRAPHY & DEVELOPMENT. Fil. Kand, Stockholm, 58, Fil. Mag. 60, Fil. Lic. 64. Secy. location div. Royal Swedish Bd. Labor, 60-61; res. asst. European geog. sch. econ. Stockholm, 61-62, asst. prof. ECON. GEOG. 62-64; McGILL, 64-67, ASSOC. PROF. 67- Consult. Bacho Co. Ltd, Sweden, 64; Soci  t   Dynamique Co. Ltd, Montreal, 67; Montreal Atlas, Royal Cmn. Bilingualism & Biculturalism, 64-65, Ethnic Pop. Dir. Can. & Nat. Capital Cmn. Atlas, 67-68. Swedish Army, 53-54, 63. Can. Asn. Geog.; Swedish Soc. Anthropol. & Geog. European Steel Industry; West Germany iron ore supplies; university location policy; tourism and regional economic development. Publ: Tourism in Quebec, Revue de Geographie de Quebec, 66; Structural and spatial aspects of resort hotel developments and their operations, 9/67 & The development of the hotel industry in the Laurentians, Bull. de Geographie de l'Amerique Fran  aise. Address: Dept. of Geography, McGill University, Montreal 2, Que., Can.
- LUNDIN, PROF. HERBERT J, b. Niagara, Wis., Feb. 7, 27; m. 53; c. 2. GEOGRAPHY. B.S., Wis. State, Oshkosh, 50; M.A., Colorado, 58; Ph.D. (geog.) Syracuse, 62. Dist. mgr. int. travel, Wis. Div. Am. Automobile Asn. 53-56; teacher, pub. sch. Wis. 56-58; asst. prof. GEOG. Colo. State Col. 62-64; assoc. prof. WIS. STATE, WHITEWATER, 64-65, PROF. 65- U.S.N.A.F. 44-46. Am. Geog. Soc.; Asn. Am. Geog. Historical and settlement geography. Address: Dept. of Geography, Wisconsin State University, Whitewater, Wis. 53190.
- LUNDIN, PROF. ROBERT W (ILLIAM), b. Chicago, Ill., Apr. 28, 20; m. 52; c. 2. PSYCHOLOGY. A.B., De Pauw, 42; A.M., Indiana, 43, Ph.D. 47. Instr. PSYCHOL., Denison, 47-48, asst. prof. 48-49; Hamilton Col. 49-56, assoc. prof. 56-64; PROF. & CHMN. DEPT., UNIV. OF THE SOUTH, 64- AAAS; fel. Psychol. Asn. Publ: The study of behavior, vol. I, Appleton, 65; Principles of psychopathology, Merrill, C.E. 65; An objective psychology of music, Ronald, rev. ed. 67. Address: Mississippi Ave, Sewanee, Tenn. 37375.
- LUNDIN, DR. WILLIAM H, b. New York, N.Y., June 3, 23; m. 46, 59; c. 4. PSYCHOLOGY. B.A., Queens Col. 43; M.A., Columbia, 47; Ph.D. (psychol.) Northwestern, 52. Staff psychologist, Chicago Community Clin. 48-51; chief psychologist, Chicago State Hosp. 51-58; DIR. PSYCHOL. DYNAMICS, 59- Lectr., Northwestern, 52-57; group psychotherapist, Chicago, 53-60, human rels. in admin. ment. hosp. 60-62; Loyola (Ill.) 55-57. Dipl. clin. psychol. Am. Bd. Exam. Pfrnl. Psychol. U.S.A. 43-45. Psychol. Asn. Application of principles of psychotherapy to company management; applied in-depth marketing studies; group and individual psychotherapy. Publ: Psychotherapy and projective techniques, Monogr. Soc. Proj. Tech; Use of co-therapists in group psychotherapy, J. Consult. Psychol; Projective movement sequences in the study of personality, J. Proj. Tech. Address: 1240 N. State St, Chicago, Ill. 60610.
- LUNDGAARDE, DR. HENRY P (EDER), b. Copenhagen, Denmark, Dec. 22, 38; U.S. citizen; m. 67. ANTHROPOLOGY. B.A., California, Santa Barbara, 61; Woodrow Wilson fells, Wisconsin, 61-62, 64-65, M.S. 63, Ph.D. (anthrop.) 66. Adj. res. asst. ANTHROP., Oregon, 64-65; ASST. PROF., CALIFORNIA, SANTA BARBARA, 65- Nat. Inst. Ment. Health res. grant, 66-67; Univ. California faculty res. grants, 66-68. Fel. Anthropol. Asn. Ethnology and linguistics of Pacific islands societies; law and social organization; human ecology. Publ: Cultural adaptation in the southern Gilbert Islands, Dept.

Anthrop. Univ. Oregon, 66; The Gilbertese: coral island dwellers of the central Pacific, 69; A theoretical interpretation of Nez Perce kinship, Res. Studies, 35: 148-177. Address: Dept. of Anthropology, University of California, Santa Barbara, Calif. 93106.

LUNDSTEDT, DR. SVEN, b. New York, N.Y., May 6, 26; m. 51; c. 3. PSYCHOLOGY. A.B. Chicago, 52, Ph.D. 55; S.M. Harvard, 60. Asst. ed. psychol. bd. exams, Chicago, 53-55; instr. psychol. & soc. sci. Shimer Col, 55-56; asst. ed. dir. clin. psychol. Staten Island Ment. Health Soc, 56-57; ment. health consult, State Dept. Insts. & Agencies, N.J., 57-59; fel. ment. & pub. health, Harvard, 59-60; asst. dir. soc. psychol. Found. Res. Human Behav., 60-62; asst. prof. PSYCHOL., CASE WESTERN RESERVE, 62-64, ASSOC. PROF., 64- Bell Tel. Labs. grant, 65; Nat. Sci. Found. grant, 66. Consult, Menninger Found., Topeka, Kas, 62; Vet. Admin, 63-; Bell Tel. Labs, 65-66; B.F. Goodrich Co, 65-; U.S. Civil Serv. Cmn, 66; E.I. du Pont de Nemours & Co, 66- Chmn, Int. Conf. Grad. Ed. Soc. Psychol, 66. U.S.A. 44-46. Psychol. Asn; Pub. Health Asn; Group Psychother. Asn; Soc. Gen. Syst. Res; Soc. Int. Develop. Application of social science research; mental illness and health; organizational behavior; social influence; cross-cultural and economic behavior; higher education. Publ: Higher education in social psychology, Case Western Reserve, 68; Interpersonal risk theory, 66 & co-auth, Evidence for an interpersonal risk theory, 67, J. Psychol. Address: 2610 Exeter Rd, Cleveland Heights, Ohio 44118.

LUNDY, PROF. RICHARD M (CPHERSON), b. Wilmington, Ohio, Feb. 16, 25; m. 49; c. 3. PSYCHOLOGY. Ph.D. Ohio State, 54. From instr. to assoc. prof. PSYCHOL., Wisconsin, 54-62; PROF. PA. STATE, 62- Consult, Vet. Admin, 54. U.S.A. 43-46. Psychol. Asn. Personality theory; alcoholism; clinical tests; psychotherapy; hypnosis. Publ: Assimilative projection and accuracy of prediction in interpersonal perceptions; Self acceptability and descriptions of sociometric choices; Productivity of clinical hypotheses on a sentence completion test. Address: Dept. of Psychology, Burrows Bldg, Pennsylvania State University, University Park, Pa. 16802.

LUOMALA, DR. KATHARINE, b. Cloquet, Minn. ANTHROPOLOGY. A.B. California, 31, M.A. 33, Ph.D.(anthrop), 36. Mus. preparator, mus. anthrop. California, 36; west. mus. labs. res. Nat. Park Serv, 36-37; Am. Asn. Univ. Women res. fel, 37-38; univ. fel. anthrop, Bishop Mus. Yale, 38-40; soc. sci. analyst, div. prog. surv. bur. agr. econ, 42-44; asst. head community anal. sect, War Relocation Authority, 44-46; asst. prof. ANTHROP., HAWAII, 46-48, assoc. prof, 48-52, PROF. 52- chmn. dept, 53-57, 60, 64. Hon. assoc., Bishop Mus., Honolulu, 41-; Viking Fund, Inc. res. grant, Gilbert Fiji Islands, 48-49; Guggenheim fel, 56, 60; vis. res. assoc. Smithsonian Inst, 66-67. Fel. Anthropol. Asn; Folklore Soc.(ed, 51, 52); Polynesian Soc; Int. Soc. Folk Narrative Res. Ethnography; mythology; Pacific area; American Indians. Publ: Maui-of-a-thousand tricks; Ethnobotany of the Gilbert Islands; Voices on the wind. Address: Dept. of Anthropology, University of Hawaii, 2550 Campus Rd, Honolulu, Hawaii 96822.

LUOTO, DR. KENNETH, b. Helsinki, Finland, Dec. 17, 21; nat; m. 48; c. 3. PSYCHOLOGY. B.A. Evansville Col, 49; M.S. Purdue, 50; U.S. Pub. Health Serv. fel. & Ph.D.(psychol), Pittsburgh, 61. Clin. psychol. trainee, Vet. Admin. Neuropsychiat. Hosp, 50-52; instr. psychol, Marshall Col, 53-54; staff psychologist, Boys Sch. State Dept. Correction, Ind, 54-55, dir, 55-58; clin. psychologist, Ment. Hyg. Clin, Beaver County, Pa, 61; Lancaster Guid. Clin, Pa, 61-63; consult. clin. psychol. to indust, Humber, Mundie & McClary, Wis, 63-67; CLIN. PSYCHOLOGIST, 67- Asst. Pittsburgh, 58-61; lectr, exten, Pa. State; clin. psychologist, health serv, Franklin & Marshall Col; lectr, Marquette, 64; Wisconsin, Milwaukee, 65-68; chief psychologist, Ozaukee County Ment. Health Clin, Port Washington, Wis, 67- Consult, Family & Childrens Serv; Bur. Childrens Serv; Bd. Pub. Asst; Lancaster County Schs; med. serv. dept. Allis-Chalmers Mfg. Co. 67- Psychol. Asn. Behavior theory; psychopharmacology; personality theory; psychotherapy; brain damage, human timing behavior. Publ: Co-auth, Mediation and associative facilitation in neurotic, psychotic and normal subjects & auth, Personality and placebo effects upon timing behavior, 64, J. Abnorm. & Soc. Psychol. Address: 2835 Monterey Blvd, Brookfield, Wis. 53005.

LUPER, PROF. HAROLD L(EE), b. Oporto, Portugal, Dec. 21, 24; U.S. citizen; m. 44; c. 3. SPEECH PATHOLOGY, AUDIOLOGY. A.B. West. Mich. Col, 49; M.A. Ohio State, 50, Ph.D.(speech sci), 54. Asst. prof. speech, Central Michigan, 50-51; instr, Ohio State, 51-54; asst. prof. speech correction, Georgia, 54-59, assoc. prof, 60-63; PROF. SPEECH PATH. & HEAD DEPT. AUDIOL. & SPEECH PATH, TENNESSEE, 63-, DIR, HEARING & SPEECH CENTER, 66- Mem. Coun. Except. Children, 55- U.S.A.-A.F., 43-46. Fel. Speech & Hearing Asn. Development of stuttering. Publ: Co-auth, Stuttering: therapy for children, Prentice-Hall, 64; auth, Consistency of stuttering in relation to the goal gradient hypothesis, J. Speech & Hearing Disorders; Relative severity of stuttering ratings from visual and auditory presentations of the same speech samples, South. Speech J. Address: Dept. of Audiology & Speech Pathology, University of Tennessee, Knoxville, Tenn. 37916.

LUPSHA, DR. PETER ANTHONY, b. Hempstead, N.Y., Dec. 14, 38; m. 62; c. 2. POLITICAL SCIENCE. A.B. Okla. State, 61; M.A. California, Berkeley, 63; Nat. Sci. Found. fel, summer 65; Ph.D.(polit. sci), Stanford, 67. Field dir. city coun. res. proj, Stanford, 66-67; ASST. PROF. POLIT. SCI., YALE, 67- Polit. Sci. Asn. Urban politics; legislative behavior; political socialization. Publ: Swingers, isolates and coalitions, Bobbs, (in press); co-auth, Coalition formation in small legislative groups, In: Spectrum education, Reader, 66. Address: Dept. of Political Science, Yale University, New Haven, Conn. 06510.

LUPUL, DR. MAX E(RAST), b. Czernowitz, Rumania, Dec. 29, 27; U.S. citizen; m. 52; c. 2. MARKETING, ECONOMICS. B.S. California, Berkeley, 54, Ph.D.(econ), 63. Assoc. pharm. California, San Francisco, 57-58; asst. prof. mkt, San Francisco State Col, 58; assoc. bus. admin, California, Berkeley, 58-61; asst. prof. MKT, California, Los Angeles, 61-64; ASSOC. PROF. & CHMN. DEPT. SAN FERNANDO VALLEY STATE COL, 64- Econ. Asn. Marketing management; quantitative methods in marketing; sales management; business economics. Publ: Current status and outlook of the real

estate business in the San Fernando Valley, San Fernando Valley State Col, 67; Discouters—good or bad?, The Marketer, spring 65. Address: Dept. of Marketing, San Fernando Valley State College, 18111 Nordhoff St, Northridge, Calif. 91324.

LURENSKY, ROBERT L(EE), b. Roxbury, Mass, May 5, 28; m. 61. FINANCE, ECONOMICS. B.A. Syracuse, 50; M.B.A. Pennsylvania, 52; M.A. Harvard, 54. Mgr. budgets & forecasts, Raytheon Mfg. Co, 57-59, researcher, Int. econ, 59-61; FINANCIAL ECONOMIST, Export-Import Bank, 61-67; INT. FINANCE DIV, U.S. DEPT. COMMERCE, 67- Adj. prof, Southeastern, 66- U.S.N.R., 53-, Comdr. Econ. Asn. International economics, especially investment and development. Address: 7520 Holiday Terr, Bethesda, Md. 20034.

LURIA, DR. S(AUL) M(ARTIN), Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.

LURIA, PROF. ZELLA, b. New York, N.Y., Feb. 18, 24; m. 45; c. 1. PSYCHOLOGY. B.A. Brooklyn Col, 44; M.A. Indiana, 47, fel, 47-48, Ph.D. (psychol), 51. Ford fel, Illinois, 51-53, res. assoc, Russell Sage Found, 53-56, asst. prof, univ, 56-58; PSYCHOL., TUFTS, 59-62, ASSOC. PROF., 62- U.S. Pub. Health Serv. spec. fel, Lab. Psycho-Biol. Child, Paris, 63-64. Psychol. Asn; Soc. Res. Child Develop. Learning theory; child psychology. Publ: Behavioral adjustment to thiamine deficiency in albino rats, J. Comp. Physiol. Psychol; A blind analysis of a case of multiple personality using the semantic differential, J. Abnorm. & Soc. Psychol; co-auth, Language development; the first four years, In: Ed, Brackbill, Handbook of infant behavior, Macmillan, 67. Address: Dept. of Psychology, Tufts University, Medford, Mass. 02155.

LURIE, PROF. MELVIN, b. Cambridge, Mass, July 3, 23; m. 55. ECONOMICS. B.A. Pa. State, 48; M.A. Chicago, 51, Ph.D.(econ), 58. Wage analyst, Wage Stabilization Bd, 51-53; instr. ECON, Connecticut, 54-61; asst. prof, Rhode Island, 61-62, assoc. prof, 62-66; PROF., WISCONSIN, MILWAUKEE, 66- Ed, R.I. Bus. Quart, 64-66. U.S.A., 43-46. Econ. Asn; Indust. Rels. Res. Asn. Labor economics. Publ: The effect of nonvested pension systems on mobility, Indust. & Labor Rels. Rev, 1/65; co-auth, Racial differences in migration and job search, South. Econ. J., 7/66; auth, The growth of fringe benefits and the meaning of wage setting by wage comparisons, J. Indust. Econ, 11/66. Address: 3032 N. Summit Ave, Milwaukee, Wis. 53211.

LURIE, DR. NANCY O(ESTREICH), b. Milwaukee, Wis, Jan. 29, 24; m. 51. ANTHROPOLOGY. B.A. Wisconsin, 45; M.A. Chicago, 47; Ph.D.(anthrop), Northwestern, 52. Instr. anthrop. & sociol, Wisconsin, Milwaukee, 47-49, 51-53; anthrop, Colorado, 50; fel. Am. ethiol, Peabody Mus, Harvard, 54-55; lectr. ANTHROP, Michigan, 55-61, asst. prof, 61-63; assoc. prof, WISCONSIN, MILWAUKEE, 63-67, PROF., 67-, CHMN. DEPT., 67- Consult, Indian Claims Cmn, U.S. Govt, 55- Fel, Anthropol. Asn; Research Soc; Am. Indian Ethnolist. Conf. Theoretical interests; ethnohistory and cultural change in North America, especially Winnebago Indians; Dogrib Indians, Canada, 1959, 1962, 1967; contemporary American Indian society. Publ: Mountain Wolf Woman: sister of Crashing Thunder, Univ. Mich, 61; co-auth, The Dogrib Indian handgame, Nat. Mus. Can, Bull, 66. Address: 3342 N. Gordon Place, Milwaukee, Wis. 53212.

LUSSIER, DR. LEON W(ILFRED), b. Somerville, Mass, Sept. 2, 25; m. 49; c. 3. PSYCHOLOGY. A.B. Boston Col, 50; M.A. Fordham, 51, Ph.D.(psychol), 55. Intern psychol, St. Vincent's Hosp, New York, 51-52; psychologist, Dept. Correction, New York, 52-55; asst. prof. psychol, Albany Med. Col, Union (N.Y.), 55-61; DIR. PSYCHOL., SUNNVIEW REHAB. CENTER, 61- Psychologist, Vet. Admin. Hosp, Albany, 55-60, chief psychologist, 60- Consult, Russell Sage Col, 59; State Div. Voc. Rehab, N.Y., 60. Dipl. clin. psychol, Am. Bd. Exam. Prfnl. Psychol, 62. U.S.C.G. 43-46. Psychol. Asn. Clinical psychology; psychophysiological correlates. Address: 1181 Avon Rd, Schenectady, N.Y. 12308.

LUSTMAN, DR. SEYMOUR LEONARD, Psychiat, see 11th ed, Phys. & Biol. Vols.

LUSZKI, DR. MARGARET BARRON, b. Washington, D.C., Mar. 24, 07; m. 50. SOCIAL PSYCHOLOGY. A.B. Michigan, 28, Ph.D.(soc. psychol), 51; M.A. Maryland, 30. Employee counsr, Soc. Security Bd. & Fed. Security Agency, 39-43; chief employee rels. sect, U.S. Dept. Health, Ed. & Welfare, 43-50; proj. coordinator, work confs. ment. health res. Nat. Training Labs, 51-57; consult. student personnel adjust, Paine Col, 57-58; psychologist, VET. ADMIN. HOSPS, Augusta, Ga, 58-59, CLIN. PSYCHOLOGIST & voc. counsr, Ann Arbor, 61-66, CHARLESTON, S.C., 66- Lectr, U.S. Dept. Agr. Grad. Sch, 45-47; American Univ, 51; study dir, res. center group dynamics, inst. soc. res, Michigan, 60-61, res. assoc, res. utilization center, 61-66. Consult, crippled children's div, State Dept. Health, Ga, 58-59. Fel. Psychol. Asn; fel. Sociol. Asn; Soc. Appl. Anthropol; fel. Soc. Psychol. Study Social Issues(secy-treas, 61-64); Nat. Rehab. Asn; Nat. Rehab. Counseling Asn; fel. Int. Coun. Psychol. Mental health; group dynamics; interpersonal relations; rehabilitation. Publ: Interdisciplinary team research: methods and problems; co-auth, Diagnosing classroom learning environments, Sci. Res. Assocs, 66 & Pupil perceptions of parental attitudes toward school, Ment. Hyg, 4/65. Address: 165 Maple St, Charleston, S.C. 29403.

LUSZKI, LT. COL. WALTER A(LOISE), U.S.A. (RET), b. Detroit, Mich, Oct. 5, 14; m. 50. PSYCHOLOGY. A.B. Michigan, 37, A.M., 49; Ed.D.(spec. ed), Georgia, 64. Commandant, New Guinea Detention & Rehab. Center, U.S. Army, 43-44, exec. officer & dir, Bur. Prisons, Far East Command, 44-45, staff officer, correction br, Adj. Gen, D.C., 46-47, fed. mil. parole officer, U.S. Court House, New York, 47-48, gen. staff officer, hqs, Europe, 52-55, mem. Mil. Police Bd, 55-58; res. psychologist, State Civil Serv, Mich, 61-66; DIR. PSYCHOL. DEPT., S.C. RETARDED CHILDREN'S HABILITATION CENTER, 66- Sr. psychologist, med. center, Univ. Michigan, 64-66. Consult, Mich. Dept. Voc. Rehab, 64-66; S.C. State Dept. Voc. Rehab, 66- Private clin. psychologist, 60- U.S.A., 39-60. Psychol. Asn; Soc. Psychol. Study Social Issues; Coun. Except. Children; Nat. Ed. Asn; Asn. Ment. Deficiency. Mental retardation; psychotherapy; emotional problems and

mental retardation in children; psychology of sports. Publ: Application of deprivation concepts to the deaf retarded, *Ment. Retardation* J, 6/66; Hearing loss and intelligence among retardates, *Am. J. Ment. Deficiency*, 7/65; Intellectual characteristics of phenylketonuric children, *Am. J. Ment. Deficiency*, 1/67. Address: 165 Maple, Charleston, S.C. 29403.

LUSZTIG, DR. PETER ALFRED, b. Budapest, Hungary, May 12, 30; Can. citizen; m. 61; c. 2. BUSINESS ADMINISTRATION, FINANCE. B.Com., British Columbia, 54; M.B.A., Western Ontario, 55; Ph.D. (bus. admin.), Stanford, 65. Staff asst., finance div., B.C. Elec. Co., 55-57; fin. FINANCE, BRITISH COLUMBIA, 57-62, asst. prof., 62-65, ASSOC. PROF., 65-, chmn. grad. studies cmt., faculty commerce, 66-67. Mem. three-man cmt. Royal Cmn. Automobile Ins., B.C., 66-; res. consult., Can. Cmt. Mutual Funds & Investment Contracts, 67-; mem., Can. Tax Found. Finance Asn.; Risk Ins. Asn.; Econ. Asn. Capital expenditure decisions under uncertainty. Publ: Auth, The variable annuities debate, summer 61 & co-auth, An evaluation of mutual fund diversification, fall 64, *Bus. Quart.* Address: Faculty of Commerce, University of British Columbia, Vancouver, B.C. Can.

LUTEN, DR. DANIEL B, JR, Geog, see 11th ed, Phys. & Biol. Vols.

LUTFIYYA, DR. ABDULLA, b. Ramallah, Palestine, Apr. 1, 29; U.S. citizen; m. c. 4. SOCIOLOGY, ANTHROPOLOGY. B.A., William Penn Col., 52; M.A. Mich. State, 54 & Ph.D. (soc. sci.), 61; Ford Found. fel., Harvard, summer, 58. Instr. humanities, Mich. State, 55-56; sociol., Maine, 56-59, asst. prof., 59-61; assoc. prof. soc. sci., Dubuque, 61-62; Smith-Mundt vis. prof. SOCIOL. & ANTHROP., American Univ. Beirut, 62-64, chmn. dept., Cairo, 64-66; SR. RES. ASSOC. RICE, 66- Fulbright lectr., center soc. res., Tunisia, 64. Chmn. bd. gov., Brummana High Sch., Brumman, Lebanon, 63-64. AAAS; Am. Sociol. Asn.; Middle East Studies Asn. N.Am.; Int. Sociol. Asn. Urbanization, industrialization and values in Jordan and Lebanon. Publ: Baytin, A Jordanian village, 66 & co-auth, Arab Middle Eastern societies and cultures: a reader, 68, Mouton. Address: Dept. of Anthropology & Sociology, Rice University, Houston, Tex. 77001.

LUTHER, DR. BALDEV R, b. Mbarara, Buganda, Aug. 17, 21; m. 48; c. 2. CLINICAL PSYCHOLOGY. B.A., Panjab, Pakistan, 42; M.A., 44, M.A., 46; Ph.D. (psychol.), Minnesota, Minneapolis, 65. Lectr. psychol., Forman Christian Coll., Lahore, W. Pakistan, 44-47; Govt. Jail Training Sch., Lucknow, India, 48-57; PSYCHOLOGIST, Ministry Labor, Govt. India, New Delhi, 57-59; Hennepin County Gen. Hosp., Minneapolis, Minn., 63-65; Ont. Hosp., Kingston, Ont., 65-68; ADULT OUT-PATIENT PSYCHIAT CLIN., KINGSTON GEN. HOSP., 68- Asst. prof., Queen's (Ont.), 65- Am. Psychol. Asn.; Psychomet. Soc.; Psychophysiol. Res.; Can. Psychol. Asn. Publ: Co-auth, Correcting psychophysiological measures for individual differences in range, *Psychol. Bull.*, 12/66. Address: 59 Fairway Hill Crescent, Kingston, Ont., Can.

LUTHER, ERNEST W (OLFGANG), b. Cedarhurst, N.Y., Feb. 6, 24; m. 51; c. 1. ECONOMICS, POLITICAL SCIENCE. A.B., Swarthmore Col., 46; M.B.A., N.Y. Univ., 49. Econ. analyst, Economet. Inst., Inc., 46-50; statistician, State Bank Ethiopia, 50-56; economist, Mercantile & Agricultural Bank, Venezuela, 57; adv. monetary statist., Bank Melli Iran, 58-59; ECONOMIST, INVESTORS DIVERSIFIED SERVS, INC., 59- Econ. Asn.; Statist. Asn.; Asn. Bus. Econ. General economic analysis, especially national income and balance of payments; business cycle and monetary analysis; statistical research; use of multiple correlation techniques; economics of underdeveloped countries. Publ: Ethiopia today; Ethiopia, In: American educator; articles on Ethiopia in *Annual, Americana Encyclop.*, 63- Address: 6941 Morgan St., Minneapolis, Minn. 55423.

LUTHER, PROF. RODNEY F (RANK), b. Minneapolis, Minn., June 20, 20; m. 42; c. 1. ECONOMICS. B.B.A., Minnesota, 46, Midland fel. & M.B.A., 47, Tozer Found. fel., 48, Ph.D. (econ.), 49. Asst. gen. mgr., EverHot Heater Co., 46-47; instr. & lectr. bus. admin., Minnesota, 47-49; asst. prof., Cornell, 50; assoc. prof. & head dept. mgt. & mkt., Los Angeles State Col., 50-57, PROF. MGT. SAN FERNANDO VALLEY STATE COL., 57- Lectr., California, 49, Los Angeles, 53, 55, 57, 60. Mgt. & mkt. consult., 58-; consult., U.S. Dept. State, Am. Embassy, Mexico City, 59-60; exec. adv., Northrop Corp.; exec. consult., Lockheed Aircraft Corp. U.S.A.A.F., 44-45. AAAS; Am. Econ. Asn.; Statist. Asn.; Soc. Adv. Mgt.; Mgt. Asn.; Inst. Indust. Eng.; Am. Inst. Mgt.; Inst. Mgt. Sci.; fel. Royal Econ. Soc. Organization and management theory; operations research; marketing and distribution. Publ: Co-auth, Magnetic inspection; Changing economic structure of the postwar motion picture industry, *Proc. West. Econ. Asn.*; The Los Angeles community occupational study. Address: School of Business Administration, San Fernando Valley State College, Northridge, Calif. 91324.

LUTIN, DAVID L (OUI), b. East Hartford, Conn., Apr. 18, 19; m. 44; c. 2. URBAN DEVELOPMENT & ECONOMICS. A.B., Ohio Northern, 46; M.B.A., Syracuse, 49. Economist, div. housing res., Housing & Home Finance Agency, D.C., 50-51, economist & housing mkt. analyst, plans & progs, off. adminstr., 52-53, economist & area rep., atomic area, Ohio, 53-54, financial analyst & investr., housing invest. staff, off. dep. adminstr., Housing & Home Finance Agency & Fed. Housing Admin., 54; field rep., Urban Renewal Admin., N.Y., 55-57; redevelop. dir., City of Brookline, Mass., 57-58; consult. urban renewal & housing, Cmt. Econ. Develop., 58-59; URBAN DEVELOP. & REAL ESTATE CONSULT. 59- Res. assoc., Albert Farwell Bemis Found., Mass. Inst. Tech., 51-52. U.S.A., 42-46, Capt. Econ. Asn.; Planning Asn.; Acad. Polit. & Soc. Sci.; Nat. Asn. Housing & Redevelop. Off.; Soc. Planning Off.; Urban Land Inst. Market analysis; housing program analysis; economics; feasibility studies; financing and development; urban development patterns; economic planning and development of new municipal centers and revitalization of old; office and air rights development. Publ: Factors impeding the mass production of prefabricated housing, 49; Middle and upper income housing market analysis and feasibility study for Tuckahoe, N.Y., *Urban Renewal Proj.*, 66; General prospectus—revitalization and development program for downtown Queens, N.Y., Jamaica Chamber of Commerce, 67. Address: 335 Purchase St., Rye, N.Y. 10580.

LUTOLF, DR. FRANZ J (ACOB), b. Lucerne, Switz, July 6, 24; m. 51; c. 3. ECONOMICS. London, 48-49; Dr. rer. pol., Basel, 49. Rockefeller fel.,

Princeton, 50-51; res. assoc. ECON, Swiss Inst. For. Trade Res., 51-56; DIV. CHIEF, INT. BANK RECONSTRUCT. & DEVELOP., 56- Econ. Asn. Monetary theory and policy; economics of underdeveloped countries; international business cycles. Publ: Argentina's economic policy after Peron; Monetary interest theories; co-auth, Sterling area. Address: International Bank for Reconstruction & Development, 1818 H St. N.W., Washington, D.C. 20006.

LUTTBEG, DR. NORMAN R, b. Somerset, Ky., Dec. 7, 38; m. 60; c. 2. POLITICAL SCIENCE. B.S., Ill. Inst. Tech., 61; M.A., Mich. State, 64, Ph.D. (polit. sci.), 65. Asst. prof. POLIT. SCI., Southern Illinois, 65-67; Temple, 67-68; ASSOC. PROF., FLA. STATE, 68- Polit. Sci. Asn.; Sociol. Asn. Political linkage and conditions under which the public reacts to leaders' behavior; public opinion; voting behavior; political culture; research methodology. Publ: Public opinion and public policy: models of political linkage, Dorsey, 68; co-auth, Attitude consensus and conflict in an interest group: an assessment of group cohesiveness, *Am. Polit. Sci. Rev.*, 9/66; auth, The structure of beliefs among leaders and the public, *Pub. Opinion Quart.*, summer 68. Address: Dept. of Government, Florida State University, Tallahassee, Fla. 32306.

LUTTERMAN, PROF. KENNETH G (ORDON), b. 29. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.S., Wisconsin, 51, M.S., 54, fel. & Ph.D., 62. Instr. SOCIOL., St. Olaf Col., 53-56, asst. prof., 57-62; vis. prof., WISCONSIN, 62-63, lectr., 64-67, ASST. PROF., 67- Sociol. Asn. Personality; social stratification; sociology of religion; social work. Address: Dept. of Sociology, University of Wisconsin, Madison, Wis. 53700.

LUTTRELL, DR. JACK S (HIEFLER), b. Boone, N.C., July 22, 29; m. 55; c. 4. PSYCHOLOGY, COUNSELING. B.S., Appalachian State Teachers Col., 48; summer Gen. Elec. fel., Union (N.Y.), 51; M.Ed., North Carolina, 57, Ph.D., 58. Teacher, Greensboro Bd. Ed., N.C., 49-52, 54-56, psychologist, 57-58; Port Huron Bd. Ed., 58-62; dir. testing & guid. serv., Port Huron Jr. Col., 62-67; asst. supt. pupil serv., Lincoln Park Pub. Schs., Mich., 67-68; DIR. COUNSELING SERV., LAMBERTON COL. APPL. ARTS & TECH., 68- Dir. gifted prog., Port Huron Area Pub. Schs., 60-68. U.S.A., 52-54, Sgt. Psychol. Asn.; Personnel & Guid. Asn. Education of academically gifted children; measurement and evaluation; learning theory. Address: 296 N. Brock St., Sarnia, Ont., Can.

LUTZ, PROF. EDWARD A (LBERT), b. Yonkers, N.Y., July 10, 10; m. 37; c. 1. PUBLIC ADMINISTRATION. B.S., Cornell, 31, Denison fel., 39-40, Ph.D., 40; M.B.A., Harvard, 37. Assoc. ops. reviewer, Farm Credit Admin., 35-36; dir. bur. bus. res., State Dept. Commerce, N.Y., 45-46; PROF. PUB. ADMIN., CORNELL, 46- Vis. prof. rural govt., col. agr., Philippines, 57-58; dir. res., Temporary N.Y. State Cmn. on Per Capita Aid, 62-64. Consult., State Cmn. Agr., N.Y., 48-49, 55-56; Joint Legis. Cmt. Interstate Coop., 49-50; State Bd. Equalization & Assessment, 55-56; Fed. Cmn. Intergovt. Rels., 54-55; N.Y. State Joint Legis. Cmt. Sch. Financing, 61-62; chief consult., N.Y. State Cmn. State-Local Fiscal Rels., 64-65; consult. div. budget, N.Y. State, 66, temporary cmn. on constitutional convention, 66-67. U.S.N.R., 42-45. Soc. Pub. Admin.; Agr. Econ. Asn.; Govt. Res. Asn.; Int. Conf. Agr. Econ. Intergovernmental relations; local government. Publ: Federal block grants to states for public welfare purposes; Local and state financing in the United States and New York State, *Cornell Univ. Exten. Bull.*, 60. Address: 154 Warren Hall, Cornell University, Ithaca, N.Y. 14850.

LUTZ, PROF. EDWARD O (SCAR), b. Brooklyn, N.Y., July 31, 19; m. 44; c. 3. ACCOUNTING, ECONOMICS. B.S., Columbia, 40. ASSOC. PROF. ECON., BROOKLYN COL., 48- Sr. partner, Lutz & Carr, 47-; secy. grievance cmt., State Ed. Dept., N.Y., 55- U.S.A., 41-46, 1st Lt. Econ. Asn.; Tax Inst.; Nat. Asn. Acct.; Am. Acct. Asn. Early American maritime history; commercial law; income taxation; cost accounting; entrepreneurial history. Publ: Summer theatre accounting procedures, N.Y. CPA Bull.; A practice of your own, J. Acct.; Capital formation of speculative ventures, In: *Tax ideas*. Address: 2702 Ave. J, Brooklyn, N.Y. 11210.

LUTZ, DR. HARLEY L (EIST), b. Ross Co., Ohio, July 30, 82. PUBLIC FINANCE. A.B., Oberlin Col., 07, LL.D., 32; A.M., Harvard, 08, Ph.D., 14. Prof. econ., Oberlin Col., 09-23, head dept., 14-23; prof. Stanford, 23-28; PUB. FINANCE, PRINCETON, 28-47, EMER. PROF., 47- Advr., joint tax cmt., Gen. Assembly, Ohio, 19; State Tax Invest. Cmt., Wash., 22; State Tax Invest. Cmn., Utah, 29; tax revision advr. to Governor of Ga., 30; advr. recess cmn. taxation, State Legis., Maine, 34; consult., Nat. Asn. Mfrs., 47-62. Mem., Cmn. Financial Advrs. to Chile, 25, Poland, 26; dir. cmn. invest. county & munic. taxation & expenditures, State Legis., N.J., 29-31. Commander, Polonia Restituta, Poland, 26. Econ. Asn. State tax commission; financing the defense program; business man's stake in government finance. Publ: Bring government back home; Platform for the American way; Primrose path of centralism. Address: 56 Battle Rd., Princeton, N.J. 08540.

LUTZ, DR. KENNETH R (USSEL), Speech Path, Audiol., see 11th ed, Phys. & Biol. Vols.

LUTZ, DR. ORPHA M (AUST) LOUGH, b. Scott City, Kans., May 5, 02, m. 28, 48. PSYCHOLOGY. B.S., Kans. State Col., 22, fel., 22-23, M.S., 23; scholar, Stanford, 23-24; Columbia, 33-34; Ph.D. (psychol.), N.Y. Univ., 36. Res. asst. psychol., Stanford, 23-24; instr., Kans. State Col., 25-28; registr., Mills Col., 29-32, asst. prin., 32-35, prin., 35-41; lectr., ed. N.Y. Univ., 41-42; asst. prof. psychol. & assoc. head dept., State Univ. N.Y. Teachers Col. Fredonia, 42-46; assoc. prof., Skidmore Col., 46-48; from assoc. prof. psychol. & researcher to prof. & coordinator res., Montclair State Col., 52-67; RETIRED. Fel. Psychol. Asn.; Ed. Res. Asn. Mooney problem check list; child and adolescent psychology; educational research. Publ: Effect of functional periodicity on the learning process, J. Genetic Psychol.; Women students in liberal arts, nursing and teacher training curricula and the Minnesota Multiphasic Personality Inventory, J. Appl. Psychol.; Comparison of MMPI and Washburne S-A Inventory as measures of personality of college women, J. Soc. Psychol. Address: 180 Walnut St., Montclair, N.J. 07042.

LUTZ, RENE A(NDREW), b. New Rochelle, N.Y., Sept. 27, 10; m. 39; c. 2. ECONOMICS. B.A. American Univ, 32; M.Ed. Temple, 37. Acct. Cities Serv. Oil Co, 32-37; dep. dir. off. regional econ. bur. int. commerce, U.S. Dept. Commerce, 42-63; consul, U.S. For. Serv, State Dept, 63-67; SPEC. ASST. TO DIR. BUR. INT. COMMERCE, 67- Econ. Asn. International trade in textiles; international trade developments; economic conditions in foreign countries. Publ: World cotton textile trade & Europe textile industry plans, For. Commerce Weekly. Address: 5008 Worthington Dr, Washington, D.C. 20016.

LUTZKER, DR. DANIEL R(OBERT), b. Brooklyn, N.Y., Oct. 9, 33; m. 57; c. 4. PSYCHOLOGY. B.A. Brooklyn Col, 54; U.S. Pub. Health Serv. scholar, Ohio State, 55-56, Ph.D. 59. Intern. psychol. Vet. Admin, 55-58; clin. psychologist, Norwich Hosp, 61-62; chief psychologist, Guid. Center Northampton & Monroe Counties, Pa, 62-63, acting dir, 63; private practice, 63-65; staff psychologist, Queens Gen. Hosp, Jamaica, N.Y., 65-68; CHIEF PSYCHOLOGIST CHILDREN'S DIV. MEADOWBROOK HOSP, EAST MEADOW, 68- Staff psychologist, Children's Hosp, Columbus, Ohio, 57-59; lectr. teacher ed. div, City Col. New York, 66. Consult, Tewksbury Township Sch, 62-65; Annandale Reformatory, 63-64; Wilson Borough Schs, 63-65; Peace Corps, 64. Med.Serv.C. U.S.A., 59-61, Res, 61-65, 1st Lt. Psychol. Asn. Publ: Validity study of MMPI scale measuring severity of psychopathology; Internationalism as a predictor of cooperative behavior; Sex role, cooperation, competition in a two person, non-zero sum game. Address: 114-20 Queens Blvd, Forest Hills, N.Y. 11375.

LUTZKER, SAMUEL GREGORY, b. New York, N.Y., May 3, 14; m. 51; c. 2. ECONOMICS. A.B. Brooklyn Col, 35; M.A. Columbia, 37. Teacher econ. high sch, N.Y., 38-40; economist, State Dept. Labor, N.Y., 41-42; res. asst. War Manpower Cmn, 42-45; asst. dir. bur. res. & statist, State Div. Housing, N.Y., 46-59, chief economist, N.Y. STATE DIV. HOUSING & COMMUNITY RENEWAL, 59-63, DIR. HOUSING & COMMUNITY RENEWAL RES, 63- Econ. Asn. Housing; urban planning; community redevelopment. Publ: Survey of rental housing in New York State, 2/67, Broome County, N.Y. housing survey, 8/67 & Housing needs, New York City, 1968-1980, 2/68, Exec. Dept, N.Y. State. Address: 17-44 201st St, Bayside, N.Y. 11360.

LUX, PROF. ANDRÉ, b. Bern, Switz, June 4, 27; m. 56; c. 2. SOCIOLOGY, DEMOGRAPHY. M.A. Gregorian Univ, 48, B.A., 50; M.A. Louvain, 53, Ph.D. (econ), 61. Secy. labor rels, Nat. Labor Coun, Brussels, 55-56; res. fel. labor, Congolese Inst. Sci. Res. Cent. Africa, 56-60; prof. econ. Univ. Lovanium, Kinshasa, 61-64; econ. adv. Int. Bank Africa, Brussels, 64-65; PROF. ECON. SOCIOL. & DEMOG. LAVAL, 65- Belgian Army, 53-55, Lt. Fel. African Studies Asn; Can. Sociol. & Anthropol. Asn; Int. Union Sci. Study Pop. Process of economic acculturation of African urban and rural wage-earners and socioeconomic ties with their kin; marginal manpower on the Quebec metropolitan labor market; reinterpreting Malthus' principle of population. Publ: Migrations, accroissement et urbanisation de la population Congolaise de Luluaberg, Zaire, XII, 7 & 8, 58; Le marché du travail en Afrique noire, Nauwelaerts, Louvain, 62. Address: Dept. of Sociology, Laval University, Quebec 10, Que, Can.

LUX-WURM, DR. PIERRE, b. Buenos Aires, Argentina, Nov. 6, 15; m. 54. POLITICAL SCIENCE. LL.B., Buenos Aires, 46, Dr. law & soc. sci, 54; dipl. polit. sci, Sorbonne, 60, Dr. polit. sci, 62; Instr. methods polit. sci, faculty law, Sorbonne, 60-62; prof, French Juridical Mission, Univ. Kabul, Afghanistan, 62-65; asst. POLIT. SCI, Sorbonne, 66; ASSOC. PROF, Boston, 66-67; MANHATTANVILLE COL, 67- Assoc. Center Nat. Sci. Res, Paris, 65. Assessor constitutional cmt. & auth. off. French version new constitution, Afghanistan, 64. Mem. Conf. Latin Am. Hist, 68. N.Am. Vexillological Asn.(pres, 67). Political science, especially political thought; Latin American politics and government. Publ: Le Péronisme, Gen. Library Law & Jurisp, Paris, 65; Le syndicalisme en Amérique Latine, 65 & Les partis politiques en Amérique Latine, 66, French Govt. Secy. Dir. Document, Paris. Address: 9 Dekalb Ave, White Plains, N.Y. 10605.

LUZBETAK, LOUIS J(OSEPH), S.V.D., b. Joliet, Ill, Sept. 17, 18. CULTURAL ANTHROPOLOGY. B.A., St. Mary's Sem, Ill, 42; S.T.L. Gregorian Univ, 46, J.C.B., 47; Vienna, Austria, 49-50; Ph.D. Fribourg, 51; summer, Oklahoma, 56. Prof. ethol. lings. & missiology, St. Mary's Sem, Ill, 50-52, 56-58; appl. anthropol. Divine Word Col, 58-61; LECTR. ANTHROPOL. CATHOLIC UNIV, 61- Ford Found. fel, 52-54; summer lectr, Georgetown, 62-65. Mem. Anthropos-Inst, Germany, 47-; cmt. lings, Dept. Ed, New Guinea, 54-56. Anthropol. Asn; Ling. Soc. Russian ethnology; Oceania; applied anthropology; descriptive linguistics. Publ: Marriage and the family in Caucasia: a contribution to the study of North Caucasian ethnology and customary law; Church and cultures: an applied anthropology for the religious worker; The church in the changing city. Address: 1025 Michigan Ave. N.E. Washington, D.C. 20017.

LYBRAND, DR. WILLIAM A(LLEN), b. Philadelphia, Pa, Jan. 19, 25; m. 53; c. 3. PSYCHOLOGY. A.B. Muhlenberg Col, 50; M.S. Maryland, 52, Ph.D. (psychol), 54. Asst. prof. psychol, Maryland, 54-55; proj. dir, Psychol. Res. Assocs, 55-57; dir. training, Carmody Corp, 57-58; v.pres. & prog. dir, Human Sci. Res. Inc, 58-60; chmn. spec. ops. res. off, basic studies div, AMERICAN UNIV, 60-66, ADJ. PROF. BEHAV. & SOC. SCI. RES. METHODOLOGY, 62-, DIR. DEVELOP. ED. & TRAINING RES. INST, 66-. Dir. off. res. & anal. human resources div, U.S. Agency Int. Develop, 64-65, consult, 65-66; Nat. Insts. Health & Nat. Acad. Sci-Nat. Res. Coun, 67- U.S.A.A.F., 43-45. Fel. Psychol. Asn. Behavioral criterion development; education and training; social and economic development, domestic and foreign; cross-cultural communications. Address: 2421 Winchester Circle, Vienna, Va. 22180.

LYCAN, DR. D. RICHARD, b. Sheboygan, Wis, Dec. 17, 33; m. 56; c. 2. GEOGRAPHY. B.Sc. Idaho, 56; M.A. George Washington, 61; Ph.D.(geog), Washington (Seattle), 64. ASST. PROF. GEOG. VICTORIA (B.C.), 64- Vis. asst. prof, Washington (Seattle), 67. U.S.N., 56-60, Res, Lt. Comdr. Asn, Am. Geog; Can. Asn. Geog; Regional Sci. Asn. Regional analysis; urban geography; quantitative methods. Address: Dept. of Geography, University of Victoria, Victoria, B.C. Can.

LYCAN, PROF. GILBERT L(ESTER), b. Ft. Gay, W.Va, Dec. 31, 09; m. 37; c. 4. POLITICAL SCIENCE. A.B. Berea Col, 34; Carnegie Endowment fel, Yale, 34-35, A.M., 36; Ph.D., 42. Instr. hist. & polit. sci, N.Dak. State Teachers Col, Valley City, 37-40, 41-42; mem. staff, U.S. Dept. State, 42-43; from assoc. prof. to prof. soc. sci. & chmn. dept, Queens Col.(N.C.), 43-45; chmn. dept. soc. sci, Mo. State Teachers Col, Maryville, 45-46; PROF. HIST. & POLIT. SCI. & HEAD DEPT, SETSTON, 46- Past mayor, Lake Helen, Fla. Soc. Int. Law; Hist. Asn. American diplomatic history; the foreign policy of Alexander Hamilton. Publ: Co-auth, Bases of world order, Knox, 45 & Inside racing: sports and politics, Pageant, 61; auth, Alexander Hamilton and the North Carolina Federalists, N.C. Hist. Rev, 10/48. Address: Dept. of History & Political Science, Stetson University, DeLand, Fla. 32720.

LYDEN, DR. FREMONT JAMES, b. Pelican Rapids, Minn, Jan. 8, 26. POLITICAL SCIENCE. B.A. Washington (Seattle), 50, M.P.A., 52, Ph.D.(polit. sci), 60; Princeton, 55-56. Admin. asst, U.S. Bur. Reclamation, 52-54, position classifier, 54-55, mgt. analyst, 56; instr. polit. sci, Washington (Seattle), 56-59; res. assoc. med. admin, Harvard, 60-62; asst. prof. PUB. ADMIN, WASHINGTON (SEATTLE), 62-66, ASSOC. PROF, 66- Consult, dept. prev. med, Harvard, 63-64; Bolt, Beranek & Newman, Los Angeles, 63-65; U.S. Bur. Land Mgt, D.C., 64-65. Mem. Gov. Task Force Vender Payments, State Wash, 66-; task group human dimensions, Nat. Sci. Found, 66-67. U.S.N.R., 44-46. Soc. Pub. Admin; Polit. Sci. Asn. Social theory and research; public management; medical administration and education; decision making research; personnel management; state and local government. Publ: The training of good physicians, Harvard, 68; A study of organizational and institutional change, Off. Econ. Opportunity, 68; co-auth, Planning-programming-budgeting; a systems approach to management, Markham, 68. Address: 8060 28th Ave, N.W., Seattle, Wash. 98107.

LYDOLPH, PROF. PAUL E, Climat, Geog, see 11th ed, Phys. & Biol. Vols.

LYDON, PRES. MARTIN J(AMES), b. Lowell, Mass, Oct. 2, 17. ECONOMICS. A.B. Harvard, 40, A.M., 45; hon. D.Sc. Lowell Tech. Inst, 54; hon. Ed.D. Merrimack Col, 58. Instr. high sch, Billerica, Mass, 41-45; sociol, Palm Beach Jr. Col, 45-46, 47-48; LOWELL TECH. INST, 46-47, asst. prof, 48-49, dean, 49-50, PRES, 50- Mem. Textile Res. Inst; Nat. Coun. Textile Ed, Soc. Eng. Ed; Asn. Textile Chem. & Colorists. Technological and engineering education; administration. Address: 195 Fairmount St, Lowell, Mass. 01852.

LYERLY, DR. S(AMUEL) B(ADGER), b. Raleigh, N.C., Sept. 11, 20; m. 49; c. 1. PSYCHOLOGY, STATISTICS. B.A. North Carolina, 40; M.A., 47, Ph.D. 58; Chicago, 43; N.Y. Zool. Soc. fel, 48. Instr. psychol, North Carolina, 46-47, lectr, 48-51; instr. psychol, Pa. State, 47-48; exam, U.S. Civil Serv. Cmn, 48-49; res. psychologist, U.S. Govt, 51-59; partner, Psychol. Assessment Assocs, 59-66; RES. ASSOC, BUR. SOC. SCI. RES, 63- Res. dir, Human Ecol. Fund, 59-65; adj. prof, American Univ, 68- Consult, Vet. Admin. & Nat. Inst. Ment. Health, 60-; Int. Bus. Mach. Co, 68- Asst. managing ed. Psychometrika, 50-53. U.S.A.A.F., 43-46. AAAS; Psychol. Asn; Statist. Asn; Psychomet. Soc; Biomet. Soc. Research methodology in the social sciences, especially psychology. Publ: Co-auth, Factor analysis of reasoning tests; auth, Average spearman rank correlation coefficient, Psychometrika; Significance levels for the Kuder-Richardson (21) reliability coefficient, Ed. & Psychol. Measurement. Address: 3647 Veazey St. N.W., Washington, D.C. 20008.

LYKE, DR. ROBERT FREDERICK, b. Boston, Mass, Mar. 16, 41; m. 63. POLITICAL SCIENCE, POLITICAL PHILOSOPHY. B.A. Swarthmore Col, 63; M.A. Yale, 65, Ph.D.(polit. sci), 68; Soc. Sci. Res. Coun. fel, Oxford, 66-67. ASST. PROF. polit. sci, Bryn Mawr Col, 67-68; POLIT. SCI. & PUB. AFFAIRS, PRINCETON, 68- Res. intern personnel rels, Agency Int. Develop, summer 63. Polit. Sci. Asn. Politics of education; democratic political philosophy. Address: Woodrow Wilson School, Princeton University, Princeton, N.J. 08540.

LYKES, DR. RICHARD WAYNE, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LYKKEN, PROF. DAVID T(HORESON), b. Minneapolis, Minn, June 18, 28; m. 52; c. 3. PSYCHOLOGY. B.A. Minnesota, 49, M.A., 52, Ph.D. 55. Nat. Sci. Found. fel, 54-55; U.S. Pub. Health Serv. fel, Minnesota, 55-57, asst. prof. PSYCHOL. & PSYCHIAT, 57-59; fel, Center Adv. Study Behav. Sci, 59-60; assoc. prof, MINNESOTA, MINNEAPOLIS, 60-65, PROF, 65- Nat. Inst. Ment. Health spec. fel, London, 68-69. AAAS; Psychol. Asn; Soc. Psychophysiol. Res. Personality theory; psychological measurement; psychophysiology. Address: Box 392, Mayo Bldg, University of Minnesota, Minneapolis, Minn. 55455.

LYLE, DR. CHARLES ELMER, b. Philadelphia, Pa, May 24, 14; m. 54; c. 1. EDUCATIONAL PSYCHOLOGY. A.B. W.Liberty State Col, 47; M.Ed, Pittsburgh, 48, Ph.D. 56. Teacher, West Liberty High Sch, W.Va., 48-49; intern psychol, State Dept. Pub. Welfare, Pa, 52-53; psychologist, Selinsgrove State Sch, 53-57, dir. ed, 57-60; assoc. prof. spec. ed, Bloomsburg State Col, 60-61; ASSOC. PROF. PSYCHOL, SUSQUEHANNA, 61- Consult, Sch. of Hope, Pa, 65- Coun. Except. Children; Psychol. Asn; Asn. Ment. Deficiency. Aspects of psychological research; new developments in the field of psychology. Address: 207 Charles Ave, Selinsgrove, Pa. 17870.

LYLE, DEAN EDWIN L(EROY), b. Piedmont, Okla, July 2, 26; m. 51; c. 4. EDUCATIONAL PSYCHOLOGY. A.B. Seattle Pac. Col, 49; Ed.M. Oklahoma, 50, scholar & Ed.D., 56; scholar, Harvard, 54. Instr. psychol. & dir. guid, Cent. Col.(Kans), 50-52; assoc. prof. psychol. & ed, Greenville Col, 55-56, prof, 56-62, dean, 59-62; assoc. prof. ed, Ore. Col. Ed, 62-64; SEATTLE PAC. COL, 64-65, DEAN SCH. ED, 65- U.S.N., 44-46. Psychol. Asn; Nat. Ed. Asn. Measurement of attitudes; theories of personality; process of teaching critical thinking skills. Publ: Exploration in the teaching of critical thinking, J. Ed. Res; Relationship between college achievement and two personality scales, J. Col. Student Personnel; Must history of education be dull? J. Teacher Ed. Address: School of Education, Seattle Pacific College, Seattle, Wash. 98119.

LYLE, DR. JACK, b. Pine Bluff, Ark, Mar. 27, 29. COMMUNICATION, JOURNALISM. A.B. Baylor, 51; M.A. Stanford, 55, Ph.D.(mass commun. res), 59. Res. assoc. commun, Stanford, 59-60; asst. prof. JOURNALISM, CALIFORNIA, LOS ANGELES, 60-65, ASSOC. PROF, 65- From asst. proj. dir. ed. media study to consult, int. inst. ed. planning, UNESCO, 65-66. Consult. instructional TV, Westinghouse Learning Corp, 67- U.S.A.F, 51-55, S/Sgt. Asn. Ed. in Journalism; Asn. Pub. Opinion Res. Mass media audience analysis; communication process; international communications; utilization of mass media for instructional purposes. Publ: Co-auth, Television in the lives of our children, Stanford, 61 & The new media: memo to educational planners, UNESCO, 67; auth, The news in megalopolis, Chandler Pub, 67. Address: Dept. of Journalism, University of California, Los Angeles, Calif. 90024.

LYLE, DR. WILLIAM H, JR, b. Mt. Sterling, Ky, July 14, 21; m. 43; c. 1. PSYCHOLOGY. Ph.D.(clin. psychol), Ohio State, 53. Res. asst. prof. prev. psychiat, Iowa, 53-55; asst. prof. psychol, Southern Illinois, 55-59; dep. chief, psychol. serv, U.S. Pub. Health Serv. Hosp, 59-64; CHIEF PSYCHOLOGIST, U.S. Reformatory, El Reno, Okla, 64-65; U.S. PENITENTIARY, MARION, ILL, 65- Adj. prof, rehab. inst, Southern Illinois, 65-, lectr, dept. psychol, 66- Dipl. Am. Bd. Exam. Prfnl. Psychol, 59. U.S.A.A.F, 40-46, U.S.P.H.S, 59-, Scientist Dir. Psychol. Asn; Asn. Correctional Psychol. (secy-treas, 67-68). Social influences on individual psychological processes; group dynamics and small group process; group psychotherapy. Publ: Co-auth, Relationship between manifest and test anxiety, Proc. Iowa Acad. Sci; Punitiveness, authoritarianism, and parental discipline of grade school children, J. Abnorm. & Soc. Psychol. & Evidence of the validity of the children's form of the picture-frustration study, J. Consult. Psychol. Address: 901 S. Hadfield, Marion, Ill. 62959.

LYLES, DR. WILLIAM K(ARYLE), Psychol, see 10th ed, Soc. & Behav. Vols.

LYMAN, DR. BERNARD E(VERETT), b. Spokane, Wash, Sept. 5, 24; m. 60; c. 2. PSYCHOLOGY. B.A. Grinnell Col, 50; M.A. McGill, 51; Ph.D.(exp. psychol. & psychopath), Cornell, 56. Asst. psychol, McGill, 50-51; behav. farm lab, Cornell, 51-54; instr, Williams Col, 54-55; Hobart Col, 55-57; asst. prof, Portland State Col, 57-60; assoc. prof. & chmn. dept, Washington Col, 60-64; res. scientist, HumRRO, George Washington, 64-65; ASSOC. PROF. PSYCHOL, SIMON FRASER UNIV, 65-, HEAD DEPT, 66- Consult, HumRRO, 65- U.S.A, 43-46. Psychol. Asn; Philosophical foundations of psychological theory and systems; perception. Publ: Detection, identification, and localization: an annotated bibliography; Vigilance and conditioned avoidance acquisition; Use of multiple behaviors in laboratory research. Address: Dept. of Psychology, Simon Fraser University, Burnaby, 2, B.C., Can.

LYMAN, DR. ELIZABETH L, b. Binghamton, N.Y, Aug. 3, 15. SOCIOLOGY. B.A. Wells Col, 37; M.A. Chicago, 48, Ph.D.(sociol), 54. Lectr. sociol, Roosevelt, 47; instr, Missouri, 47-49; admin. asst, soc. sci. div, Rockefeller Found, 49-51; asst. prof. sociol, Washington (Seattle), 53-54; res. assoc, State Dept. Health, 58-59; assoc. study dir, Nat. Opinion Res. Center (N.Y), 59-66; RESEARCHER, COMMUNITY SERV. SOC, 66- Sociol. Asn; Asn. Pub. Opinion Res. Social psychology; evaluation studies of social work. Publ: Occupational differences in the value attached to work, Am. J. Sociol. Address: 189 Broadway, Norwich, Conn. 06360.

LYMAN, DR. HOWARD B(URBECK), b. Athol, Mass, Feb. 12, 20; m. c. 7. PSYCHOLOGY. A.B. Brown, 42; M.A. Minnesota, 48; Ph.D. Kentucky, 51. Res. psychologist tests & measurements, U.S. Naval Exam. Center, 51-52; asst. prof. PSYCHOL, CINCINNATI, 52-61, ASSOC. PROF, 61- Res. consult, Hawaii Visitors Bur, 59-61; consult, Rollman Psychiat. Inst, Ohio, 64-Ed, Ohio Psychologist, 60-64. U.S.A, 42-46. Psychol. Asn; Psychomet. Soc; Personnel & Guid. Asn; Int. Coun. Psychol.(ed, Int. Psychol, 66-67); Asn. Measurement & Eval. Guid. Writing, tape recordings and video tapes about tests and test interpretation; test construction; cross-cultural assessment; research of divorced and widowed people; modern frontiers of psychology. Publ: Test scores and what they mean, Prentice-Hall; Intelligence, aptitude, and achievement testing in the schools, Houghton, 68; Stanford-Binet intelligence scale: a demonstration (video tape), Behav. Sci. Assocs, Cincinnati, 68. Address: Dept. of Psychology, University of Cincinnati, Cincinnati, Ohio 45221.

LYMAN, PROF. JOHN (HENRY), Psychol, Eng, see 11th ed, Phys. & Biol. Vols. & Suppl. IV.

LYMAN, DR. STANFORD MORRIS, b. San Francisco, Calif, June 10, 33. SOCIOLOGY. A.B. California, 55, M.A. 57, Ph.D. 61. Lectr. speech, California, 55-60, sociol, 58-60; instr, British Columbia, 60-62, asst. prof, 62-63; head dept. lib. arts, California, Berkeley, 63-64; assoc. prof. SOCIOL. & chmn. dept, Sonoma State Col, 64-68; ASSOC. PROF, NEVADA, 68- Sociol. Asn; Soc. Appl. Anthropol; Can. Polit. Sci. Asn. Publ: Co-auth, Accounts, In: Ed, J. Douglas, Deviance and respectability, Basic Books, 68; Territoriality: a neglected sociological dimension, Soc. Prob. & Homosexuals, paranoias and game theory, J. Health & Soc. Behav, 6/68. Address: Dept. of Sociology, University of Nevada, Reno, Nev. 89507.

LYNAM, WILLIAM C(HARLES), b. Cleveland, Ohio, Aug. 14, 24; m. 50; c. 3. OPERATIONS ANALYSIS. B.S. Western Reserve, 48, M.A. 52. Chem. technician pharmacol, atomic energy med. res. proj. Western Reserve, 48-49; statistician, Harshaw Chem. Co, 51-53; develop. engr, B.F. Goodrich Chem. Co, 53-54, statistical, 54-55, opers. res. analyst, 55-59, sr. opers. res. analyst, B.F. Goodrich Co, 59-62; mgr. opers. res. Autonetics Div, N.A.M. Aviation, Inc, 62-65, EXEC. ADV. MGT. TECH, N.A.M. ROCKWELL CORP, EL SEGUNDO, 65- Asst. prof, Calif. State Col. Fullerton, 63. U.S.A, 43-46. Opers. Res. Soc; Inst. Mgt. Sci. Operations research; statistics; information systems. Publ: Operations and systems, Proc. West. Sys. Conf, 5/66. Address: 33151 Big Sur, Dana Point, Calif. 92629.

LYNCH, DR. DANIEL WILLIS, b. Geneva, N.Y, Mar. 3, 27. ECONOMICS. A.B. Notre Dame, 50; M.A. Fordham, 56; Ph.D.(econ), Kentucky, 65. Asst. prof. ECON. & chmn. dept, King's Col.(Pa), 59-62, 65-66; res. asst, Ken-

tucky, 62-65; ASSOC. PROF. & SR. RES. ASSOC, MEMPHIS STATE, 66- U.S.N, 44-46, 57-59, Lt. Econ. Asn; Nat. Tax Asn; Acad. Polit. & Soc. Sci. State and local government finance; financing methods for Memphis-Shelby county long-term capital improvement program. Publ: The development of state and local debt in Kentucky, 1890-1962, Univ. Kentucky, 66; Federal redevelopment grants: tax supplement or tax substitute in Tennessee counties, Memphis State Bus. Rev, 67; A note on the classification of municipal bonds, Banking, 67. Address: Dept. of Economics, Memphis State University, Memphis, Tenn. 38111.

LYNCH, DR. DAVID B(RADBURY), b. Verdon, S.Dak, Sept. 21, 02; m. 26; c. 1. ECONOMICS. B.S.E, North. State Col, S.Dak, 24; M.A. Michigan, 31; Ph.D, Iowa, 44. Teacher econ, Duluth Jr. Col, 31-37; assoc. prof. econ, Drake, 37-41; vis. prof, Iowa, 41-42; economist, U.S. TARIFF CMN, WASH, D.C, 42-47, CHIEF ECONOMIST, 61- Cent. Intel. Agency, 47-48; tariff consult, Am. Mission for Aid to Greece, 48; Govt. Panama, 46; Costa Rica, 51. Mem. U.S. del, UN Conf. Trade & Employ, Geneva, 47, France, 49, Eng, 50-51. Econ. Asn. Tariffs and commercial policy; economic concentration and monopoly. Publ: Concentration of economic power; Tariff policy in Costa Rica; co-auth, World economic problems. Address: 3679 Highwood Dr. S.E, Washington, D.C. 20020.

LYNCH, PROF. HILLQUIT, b. Hot Springs, Ark, Oct. 26, 17; m. 49; c. 3. SOCIOLOGY. B.S. Houston, 46, M.S. 47; Texas, 54, Ph.D.(sociol), 63. From instr. to assoc. prof. SOCIOL, HENDERSON STATE TEACHERS COL, 48-63, PROF, 63-, CHMN. DIV, 66- U.S. Dept. Health, Ed. & Welfare grants & consult. desegregation, 66-67. U.S.A, 42-45. Sociol. Asn; Nat. Coun. Family Rels. Family; adolescent sociology; problems of aging; migratory farm workers; ecological patterns in urbanization; American institutions. Publ: The romantic complex and the adolescent: an analysis of basic assumptions in family sociology, Univ. Microfilms, Inc, 63; co-auth, American institutions, Henderson State Col, 65. Address: Division of Sociology, Henderson State Teachers College, Arkadelphia, Ark. 71923.

LYNCH, PROF. KEVIN, b. U.S. Jan. 7, 18; m. 40; c. 4. URBAN PLANNING. B.C.P, Mass. Inst. Tech, 47; Asn. Adv. Ed. fel, Italy, 52-53. From instr. to PROF. CITY PLANNING, MASS. INST. TECH, 48- Planning consult, City of Stoneham, Mass, 49; State of R.I, 52, 54; New Eng. Med. Center, 55-56; Western Reserve, 56-57; City of Boston, 58-59; P.R. Indust. Develop. Corp, 59-60; Boston Chamber Commerce, 61-; planning cmn, City of Los Angeles, 66-; Baltimore Hwy. Proj, Skidmore, Owings & Merrill, 67- C.Eng, 41-45, Maj. Inst. Planners. City form; urban design. Publ: The image of the city; Site planning; co-auth, The view from the road, Mass. Inst. Tech. Press, 64. Address: 85 Russell Ave, Watertown, Mass. 02172.

LYNCH, DR. MERVIN DEAN, b. Grundy Center, Iowa, Nov. 29, 33; m. 61; c. 2. COMMUNICATIONS. B.S. Iowa State, 56; M.S. Wisconsin, 60, Ph.D.(mass commun), 63. Res. analyst, Klau, Van Petersom, Dunlap, Advert. Agency, Wis, 56-57; lectr. journalism, Indiana, 62-63; asst. prof, Missouri, 63-67; SOC. SCI. RES. COUN. FEL. STATIST, HARVARD, 67- Asn. Ed. Journalism. Research methods, especially development of measures for stylistic analysis of writing, experimental studies of communicator performance and study of measurement and retrieval of information content. Publ: Avenues for reducing tension produced by an attack on a belief, 67 & The meaning of human interest, 67, Journalism Quart; Some effects of priming, incubation and creative aptitude on journalism performance, J. Commun, 67. Address: 4 Silvia Court, Hyde Park, Mass. 02136.

LYNCH, DR. OWEN M(ARTIN), b. New York, N.Y, Jan. 4, 31. SOCIAL ANTHROPOLOGY. A.B. Fordham, 56; Ph.D.(anthrop), Columbia, 66. ASST. PROF. ANTHROP, STATE UNIV. N.Y. BINGHAMTON, 66- Am. Coun. Learned Socs. res. grant, 68. Fel. Anthropol. Asn; Asn. Asian Studies; Ling. Soc. Am. South Asian area studies; primitive religion; cultural change. Publ: Rural cities in India: continuities and discontinuities, In: India and Ceylon: unity and diversity, Oxford, 67; The politics of untouchability: a case study, In: Structure and change in Indian society, Aldine, 68; A socio-cultural definition of a culture hero and his myth, In: Aspects of untouchability in modern India, Univ. Arizona, (in press). Address: Dept. of Anthropology, State University of New York at Binghamton, Binghamton, N.Y. 13901.

LYNCH, DR. PATRICK D(ANIEL), b. Detroit, Mich, Nov. 11, 28; m. 58; c. 4. EDUCATIONAL ADMINISTRATION & RESEARCH. B.A. St. John's (Minn), 50; M.A. Minnesota, 57, Ph.D.(ed. admin. & psychol), 60. Teacher, high sch, N.Dak, 52-55; Minn, 55-56, prin, 56-57; instr. & field asst. psychol, Minnesota, 56-57; assoc. prof. ed. res. & admin, New Mexico, 60-66; PROJ. DIR, ED. SERV. CENTER, 66- Consult, N.Mex. State Dept. Ed, 61-64; W.States Small Schs. Proj, 62-65; N.Mex. Legis. Coun, 68. U.S.A.F, 51-52, Sgt. Sociol. Asn; Psychol. Asn; Nat. Soc. Study Ed; Ed. Res. Asn. Organizational conflict; intercultural education; military society; state educational finance. Publ: Continuing education of school administrators, Univ. New Mexico-Dept. Ed. Admin, 66. Address: Educational Service Center, 120 Vassar, S.E, Albuquerque, N.Mex. 87106.

LYNCH, DR. THOMAS FRANCIS, b. Feb. 25, 38; U.S. citizen; m. 61; c. 2. ANTHROPOLOGY, ARCHAEOLOGY. B.A. Cornell, 60; M.A. Chicago, 62, Ph.D.(anthrop), 67. Archaeologist, Idaho State Univ. Mus, 63-64; ASST. PROF. ANTHROP, CORNELL, 64- Nat. Sci. Found. res. grant, 68-69. Anthrop. Asn; Soc. Am. Archaeol; Brit. Prehist. Soc. American archaeology; European paleolithic archaeology; beginnings of agriculture. Publ: The nature of the Central Andean preceramic, Idaho State Univ. Mus, 67; The lower perigordian in French archaeology, Proc. Prehist. Soc, 66; Quisqui Puncu: a preceramic site in highland Peru, Science, 67. Address: Dept. of Anthropology, Cornell University, Ithaca, N.Y. 14850.

LYNCH, PROF. WILLIAM W(ALMSLEY), JR, b. Jerome, Ariz, Dec. 30, 21; m. 44; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. Williams Col, 43; M.A. Yale, 48, Ph.D.(ed. psychol), 50. Instr. ED. PSYCHOL, New Hampshire, 50-52; asst. prof, INDIANA, 52-58, assoc. prof, 58-62, PROF, 62- Fulbright lectr, Amsterdam, 60-61; Kennedy Found. vis. prof, George Peabody Col, 63-64. U.S.A, 43-46. Psychol. Asn; Ed. Res. Asn; Asn. Ment. Deficiency. Motivation theory; psychological training of teachers; psychology of

learning. Publ: Approach to the study of motivational problems in education; Student differences in competency in educational psychology prior to training. J. Ed. Psychol; Person perception: its role in teaching. Address: School of Education, Indiana University, Bloomington, Ind. 47401.

LYNDE, DR. EDWARD D(UDLEY), b. Antwerp, N.Y., Feb. 4, 89; m. 31. SOCIOLOGY. Ph.B. Syracuse, 11; M.A. Columbia, 12; hon. D.H.L. Fenn Col. 57, Cleveland State 68; LL.D. Western Reserve, 59. Gen. secy, Assoc. Charities, New London, Conn, 14-17; exec. secy, Soc. Welfare Assn, Grand Rapids, Mich, 17-20; mem. faculty, exten. div, Wisconsin, 20-22; gen. secy, Family Welfare Assn, Milwaukee, Wis, 22-23; assoc. gen. secy, Assoc. Charities, Cleveland, Ohio, 23-27; gen. secy, 27-33; assoc. gen. dir, Family Welfare Assn. of Am, New York, 33-34; exec. dir, Welfare Fedn. of Cleveland, 35-59; rep, Paine, Webber, Jackson & Curtis, 59-63. Mem. faculty, Conn. Col. for Women, 17. Exec. secy, Wis. Conf. Soc. Work, 20-22; Community Fund, Madison, Wis, 22. Citation distinguished citizenship, Denison Univ, 56. Publ: Role of the community organization practitioner. Address: 2515 Kemper Rd, Shaker Heights, Ohio 44120.

LYNE, DR. JAMES G(ARNETT), Econ, see 10th ed, Soc. & Behav. Vols, deceased 66.

LYNIP, FRANKLIN, b. San Francisco, Calif, Mar. 27, 06; m. 45, 65; c. 3. BUSINESS MANAGEMENT. B.S. California, 28; M.B.A. Harvard, 32. Statistician, Calif. & Hawaiian Sugar Ref. Corp, 35-50; dir. planning, 50-54; mkt. res, Monsanto Chem. Co, 54-55; distributing planning, Carrier Corp, 55-57, asst. to chmn, 57-60, asst. dir. mkt, 60-62; ASSOC. DIR. RES, MKT. SCI. INST, 62- Lectr, Wharton Sch. Finance & Commerce, Pennsylvania, 68- Inst. Mgt. Sci; Economist. Soc; Mkt. Assn. Business economics; strategic marketing planning; dynamics of market structure. Publ: Factors affecting wholesale prices; Economics of sugar, In: Encyclop. Britannica. Address: Marketing Science Institute, 3401 Market St, Philadelphia, Pa. 19104.

LYNN, PROF. ARTHUR D(ELLERT), JR, b. Portsmouth, Ohio, Nov. 12, 21; m. 43; c. 4. ECONOMICS, LAW. B.A. Ohio State, 41, M.A. 43, J.D. 48, Ph.D.(econ), 51. Asst. econ, Ohio State, 41-42, asst. instr, 42-43, instr, 46-49; partner, Lynn & Lynn, 49-50; instr. ECON, OHIO STATE, 50-52, asst. prof, 52-56, assoc. prof, 56-61, PROF, 61-, ASSOC. DEAN FACULTIES, 65-, ADJ. PROF. LAW, 67-, asst. dean, 59-62, lectr, col. law, 61-67, assoc. dean, col. commerce & admin, 62-67. Vis. prof, Ohio Wesleyan, 58-59; lectr, sch. logistics, Wright Patterson Air Force Base, 59- Consult, Nationwide Mutual Ins. Co; Ohio State Dept. Hwys; Ohio Bell Tel. Co. Admitted, U.S. Supreme Court Bar, 66. U.S.A. 42-46, 1st Lt. Am. Econ. Assn; Bar Assn; Tax Inst. Am; life fel. Royal Econ. Soc. Taxation and public finance; antitrust law and economics; insurance; government and business. Publ: The uniform division of income tax purposes act re-examined, Va. Law Rev, 46: 1257-1268; Trends in taxation of personal property, In: The property tax: problems and potentials, Tax Inst. Am, 67; Property tax development: selected historical perspectives, In: Property taxation—U.S.A. Univ. Wisconsin, 67. Address: Ohio State University, 190 N. Oval Dr, Columbus, Ohio 43210.

LYNN, PROF. DAVID B(RANDON), b. Dallas, Tex, Feb. 25, 25; m. 46. PSYCHOLOGY. U.S. Pub. Health Serv. fel. & Ph.D.(psychol), Purdue, 55. Psychol. intern. med. center, Indiana, 51-52, superv. psychol. serv, Riley Child Guid. Clin, 53-57; asst. prof. psychol, sch. med, Colorado, 57-61; mem. faculty, Col. San Mateo, 61-68; PROF. HUMAN DEVELOP, CALIFORNIA, DAVIS, 68- Res. dir, inst. soc. res, Oslo, Norway, 55-56. U.S.A. 43-45. Projective testing with children; personality theory; child development. Publ: Model man for applied psychology, Am. Psychologist; Note on sex differences in the development of masculine and feminine identification, Psychol. Rev; co-auth, Effects of father-absence on Norwegian boys and girls, J. Abnorm. & Soc. Psychol. Address: 919 Plum Lane, Davis, Calif. 95616.

LYNN, DR. EDWARD S(HIRD), b. McGregor, Tex, Nov. 27, 19; m. 42; c. 3. ACCOUNTING. B.B.A. Baylor, 41; Ph.D. Texas, 55. Asst. prof. acct, Baylor, 47-48; lectr. & teaching asst, Texas, 48-51; res. assoc. Tex. Econ. Cmn, 51-52; asst. prof, Texas, 52-55; assoc. prof, Tennessee, 55-56; Wisconsin, 56-60; dir. ed, Am. Inst. Cert. Pub. Accountants, 60-65; PROF. ACCT, ARIZONA, 65- HEAD DEPT, 66- Consult, Tex. Res. League, summers 53, 54. U.S.A.F. 41-45, Capt. Inst. Cert. Pub. Acct; Am. Acct. Assn. Auditing; governmental accounting. Publ: Auditing of Wisconsin school districts, Univ. Wisconsin, 59; co-auth, Municipal and governmental accounting, Prentice-Hall, 60. Address: Dept. of Accounting, University of Arizona, Tucson, Ariz. 85721.

LYNN, DR. GAULT W(ELLINGTON), b. Warren, Ohio, Mar. 12, 10; m. 34; c. 2. ECONOMICS. A.B. Pomona Col, 32; Ph.D.(econ), California, 43. Instr. econ, Stanford, 36-43; res. specialist, FED. RESERVE BANK OF SAN FRANCISCO, 46-50, acting asst. head res. dept, 50-51, superv. res, 51-56, sr. economist, 56-59, asst. v-pres, 60-63, DIR. RES, 63- U.S.A. 44-46. Econ. Assn. Monetary theory and policy; fiscal policy; business forecasting. Publ: Monetary policy as an economic stabilizer, Proc. West. Econ. Assn. Conf; Anticipating the expanding markets of the 60's, Proc. Am. Statist. Assn. Address: Federal Reserve Bank of San Francisco, 400 Sansome St, San Francisco, Calif. 94120.

LYNN, SISTER M(ARY) ANNELLA, R.S.M, b. Rocky Mount, N.C., Mar. 12, 25. SOCIOLOGY, GUIDANCE. A.B. Trinity Col, 47; M.A. Catholic Univ, 50, Ph.D. 53. Asst. counsr. guid, Catholic Univ, 49-52; INSTR. SOCIOL, BELMONT ABBEY COL, 53-, CHMN. DEPT, 56- Asst. social, Catholic Univ, 50-51; instr, Sacred Heart Jr. Col, 53-55; Nat. Sci. Found. summer grant, inst. soc. surv. & res, Univ. Georgia, 67. Sociol. Assn. Race relations, especially interracial marriages; attitude surveys in Charlotte, Greensboro and Atlanta in regard to lunch counter sit-ins; urban redevelopment. Publ: Interracial marriages: a study of fifteen Negro-White marriages in New York City and the metropolitan area; Interracial marriages in Washington, D.C., 1940-1947; Some sociological aspects of interracial marriages, J. Negro Ed, fall 67. Address: Belmont Abbey College, Belmont, N.C. 28012.

LYNN, PROF. RITA L, b. Rocky Mount, N.C., Mar. 26, 19. SOCIOLOGY. A.B. Trinity Col.(D.C.), 43; M.S. Catholic Univ, 45; Ph.D.(sociol), 49. From instr. to asst. prof, sch. soc. serv, Catholic Univ, 47-57; soc. researcher, Cath. Relief Serv, Nat. Cath. Welfare Conf, N.Y., 57-63; prof. SOCIOL. & chmn. dept, Our Lady Cincinnati Col, 63-65; interim assoc. prof, Catholic Univ, 65-67; PROF. WEST LIBERTY STATE COL, 68- Vis. prof, Catholic Univ, P.R. 53. Consult, Cmn. Children in Need, Dept. Pub. Welfare, D.C. Fel. Sociol. Assn; Soc. Int. Develop. Sociology of social work; research methodology; education for social work; international social welfare. Publ: The national Catholic community service in World War II; Social sciences in professional preparation, Soc. Sci. Cath. Col. Progs. Address: Dept. of Sociology, West Liberty State College, West Liberty, W.Va. 26074.

LYNN, DR. ROBERT ATHAN, b. Oak Park, Ill, Nov. 11, 30; m. 54; c. 4. BUSINESS ADMINISTRATION, ECONOMICS. B.S. Maryville Col.(Tenn), 51; M.S. Tennessee, 55; Ph.D. Illinois, 58. Instr. bus. admin, Maryville Col. (Tenn), 55-58, assoc. prof, 58-62, prof, 62-64; assoc. prof. bus. admin. & econ, Missouri, Columbia, 65-67, prof, 67-68; DEAN COL. COMMERCE, KANSAS STATE, 68- U.S.A. 52-53, Sgt. Price policies. Publ: Basic economic principles, McGraw-Hill, 65; Price policies and marketing management, Irwin, 67; Is the cost defense workable, J. Mkt, 1/65. Address: Kansas State University College of Commerce, Manhattan, Kans. 66502.

LYON, DR. DAVID OWEN, b. Scranton, Pa, Feb. 17, 37; m. 59; c. 2. PSYCHOLOGY. B.A. Hamilton Col, 59; Ph.D.(psychol), Indiana, 63. Res. asst. PSYCHOL, Indiana, 59-63; ASST. PROF. WESTERN MICHIGAN, 63- Psychol. Assn. Experimental analysis of behavior; operant conditioning and aversive control techniques. Publ: Reinforcement frequency as a parameter of conditioned suppression, 6: 95-98 & Some notes on conditioned suppression and reinforcement schedules, 7: 289-291, J. Exp. Anal. Behav; Conditioned suppression: operant variables and aversive control, Psychol. Record, 68. Address: Dept. of Psychology, Western Michigan University, Kalamazoo, Mich. 49001.

LYON, DR. JANET M(ALTBY), b. St. Charles, Ill, Mar. 24, 10; m. 59. CLINICAL PSYCHOLOGY. A.B. Illinois, 34; Chicago, 39; M.S. Purdue, 49, Ph.D. 52. Teacher, pub. schs, Ill, 28-41; clin. asst. psychol, Purdue, 49-50, asst. prof, 52-56; trainee clin. psychol, U.S. Vet. Admin, 50-52; asst. prof. psychol, dept. psychiat, med. center, Indiana, 56-58; PSYCHOLOGIST & DIR. SECT. ED, TAMALPAIS UNION HIGH SCH. DIST, 58- U.S.C.G. 44-46, Lt.(jg). Psychol. Assn. Personality; learning. Address: Tamalpais Union High School District, Larkspur, Calif. 94939.

LYON, PROF. MARGARET C(HARTERS), b. Columbia, Mo, Apr. 30, 09; m. 35; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. Ohio State, 30; M.A. Columbia, 32, grant, 34, Ph.D.(ed), 36. Teacher, pub. sch, Ohio, 30-31; asst. ed. exp. pub. schs, D.C. 34-35; prof. psychol, Furman, 36-39; PROF. PSYCHOL, LIVINGSTON STATE COL, 49-, acting chmn. grad. div, 59-65, dir. inst. res, 65-68. Ed. Res. Assn. Creative teaching of educational psychology; measurement of social and emotional adjustment; characteristics of culturally deprived. Address: Dept. of Psychology, Livingston State College, Livingston, Ala. 35470.

LYON, DR. MELVIN, Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.

LYON, DR. PATRICIA JEAN, b. Seattle, Wash, Jan. 9, 31. ANTHROPOLOGY. B.A. California, Berkeley, 52, Ph.D.(anthrop), 67. Participant, Am. Mus. Natural Hist. exped. to Peru, 60-61; lectr. sociol, Huamanga, Peru, 61; ANTHROP, Cuzco, 63; acting instr, California, Berkeley, 66-67, ACTING ASST. PROF, 67-68; WASHINGTON (ST. LOUIS), 68- Am. Philos. Soc. grant, 68. Anthrop. Assn; Soc. Am. Archaeol; Inst. Andean Studies (v-pres, 68). Native peoples of tropical lowland South America, especially ecology, folklore and culture history; Andean culture history, especially relationships between lowland and highland Peru. Publ: Innovation through archaism: the origins of the Inca pottery style, Nawpa Pacha, 66. Address: Dept. of Anthropology, Washington University, St. Louis, Mo. 63130.

LYON, PROF. PEYTON VAUGHAN, b. Winnipeg, Man, Oct. 2, 21; m. 43; c. 3. POLITICAL SCIENCE. B.A. Manitoba, 49; B.A. Oxford, 51, M.A. & Ph.D. 53. For. serv. officer, Can. Govt, 53-59; assoc. prof. POLIT. SCI, Western Ontario, 59-65; PROF, CARLETON (CAN), 65-, chmn. dept, 65-68. R.C.A.F. 40-45, Res. 45-, Flight Lt. Can. Inst. Int. Affairs; Can. Polit. Sci. Assn. Political philosophy of Saint-Simon; foreign policies of Germany and Canada. Publ: The policy question, McClelland & Stewart, Toronto, 63; Canada in world affairs 1961-63, Oxford Univ, 66; Saint-Simon and the origins of historicism and scientism, Can. J. Econ. & Polit. Sci. Address: Dept. of Political Science, Carleton University, Ottawa, Ont, Can.

LYON, DR. ROBERT, Econ, see 10th ed, Soc. & Behav. Vols. New address: Apt. 1206, 1700 Parkway, Philadelphia, Pa. 19103.

LYON, LT. COMDR. W(ALDO) B(LANCHARD), U.S.N. (Ret), b. Cambridge, Mass, Dec. 6, 23; m. 55; c. 4. CLINICAL PSYCHOLOGY. A.B. Harvard, 45, M.A. 50. Clin. psychologist, U.S. Naval Training Center, Bainbridge, Md, 51-54, 56-61, sr. clin. psychologist, San Diego, Calif, 54-56, clin. psychologist, Parris Island, S.C. 61-68; PSYCHOLOGIST, FRAMINGHAM YOUTH GUIDE. CENTER, 68- Psychologist, Coastal Empire Ment. Health Center, Beaufort, S.C. 67-68. Mem. adv. bd, Neighborhood Youth Corps, Beaufort-Jasper Counties, S.C. 66-68. U.S.N. 42-68. Psychol. Assn; Asn. Mil. Surg; fel. Orthopsychiat. Assn; Soc. Proj. Tech. Diagnosis and counseling of childhood learning problems; school dropout programs; problems of mobile children; community mental health; race relations and poverty programs; brief psychotherapy of character disorders. Publ: Character and behavior disorders, 64 & Factors associated with psychiatric discharge from the Naval service, 64, Mil. Med; The child, the school and the military family, Am. J. Orthopsychiat, 67. Address: 1 Rolling Dr, Framingham, Mass. 01701.

LYON, DR. WILLIAM, b. Mt. Carbon, W.Va, Aug. 4, 27; m. 58; c. 2. CLINICAL PSYCHOLOGY. B.A. Southern California, 50; M.A. Hawaii, 52; Ph.D. Fla. State, 56; cert, Bloy House Theol. Sch, Calif, 66. Instr. psychol, Ha-

wali, 51-52; intern clin. psychol. Vet. Admin. Hosp, Los Angeles, Calif, 54-56; DR, LYON MENT. HYG. CLINS. OF SOUTH. CALIF, 56- Clin. dir, Los Angeles Ment. Health Found, 61- Field assessment officer, Peace Corps Training Center, Hilo, Hawaii & Manila, Philippines, 67. Consult, 56-; Lusil & Son, Developers & Builders, 64- Managing ed, Col. Age Mag, 64- U.S.N., 45-46; U.S.A.F.R, 50; U.S. Merchant Marine, 50-51. Psychol. Asn; Soc. Clin. & Exp. Hypnosis; Acad. Psychother. Psychological education of professional groups; extended group therapy sessions. Publ: Hypnotically induced antisocial behavior, J. Clin. Psychol; Picture-frustration study responses of institutionalized and non-institutionalized boys in Hawaii, J. Soc. Psychol; Group psychotherapy for the parish minister, J. Pastoral Care. Address: 9200 Colima Rd, Whittier, Calif. 90605.

LYONS, DR. ANITA FRANCES, b. New York, N.Y., Jan. 2, 23; m. 47. PSYCHOLOGY. B.S. N.Y. Univ, 43, M.A., 47, fel, 47-48, Ph.D.(clin. psychol), 51; M.Sc. Hofstra Col, 58. Occup. therapist, New York Hosp, 43-47; chief psychologist, Grace Church Sch, N.Y., 48-54; dir. psychol. & reading, pub. schs, New York, 55-57; sch. psychologist, N.J., 57-59; PSYCHOLOGIST, Cranford Pub. Schs, 59-66; MONTCLAIR PUB. SCHS, 66- Dir. spec. servs, pub. schs, N.J., 51-52; instr, Fairleigh Dickinson, 59-61; asst. prof, Adelphi Col, 52-54. Mem, Coun. Except. Children, 47- Fel. Psychol. Asn; Occup. Ther. Asn; Speech & Hearing Asn. Clinical and school psychology; psychology of children. Publ: Reading programs for retarded readers of average ability, High Sch. J; Overall checklist for mentally retarded youngsters; Summary of testing programs in Union County School Systems. Address: 707 N. Broad St, Elizabeth, N.J. 07208.

LYONS, PROF. GENE MARTIN, b. Revere, Mass, Feb. 29, 24; m. 51; c. 3. INTERNATIONAL RELATIONS. B.A. Tufts, 47; Licence, Geneva, Switz, 49; Ph.D. Columbia, 58. Mgt. officer, off. budget & mgt, Int. Refugee Orgn, 48-52; admin. officer, UN Korean Reconstruct. Agency, 52-54, Am. Regional Off, 54-56; res. assoc. govt, DARTMOUTH COL, 57-61, asst. prof, 61-65, PROF. GOVT, 65-, DIR. PUB. AFFAIRS CENTER, 61- Vis. lectr, sch. indust. mgt, Mass. Inst. Tech, 61. Exec. secy, adv. cmt. govt. prog. behav. sci, Nat. Res. Coun, 66-68. U.S.A., 43-46, Sgt. Polit. Sci. Asn. National security policy; American government; science and public policy. Publ: Co-auth, Education and military leadership, Princeton, 59 & Schools for strategy, Praeger, 65; New civil military relations, Am. Polit. Sci. Rev. Address: Main St, Norwich, Vt. 05055.

LYONS, DR. IVORY L, Econ, see 10th ed, Soc. & Behav. Vols.

LYONS, DR. J(OHN) DANIEL, b. Comet, Ohio, Oct. 22, 22; m. 44; c. 3. EXPERIMENTAL PSYCHOLOGY. A.B. Oberlin Col, 48; M.A., 50; Ph.D.(exp. psychol), Illinois, 53. Res. assoc. syst. opers, HUMRRO, GEORGE WASHINGTON UNIV, Wash, D.C., 53-55, res. scientist, infantry, Ft. Benning, Ga, 55-57, sr. res. scientist, 57-59, DIR. RES. aviation, Ft. Rucker, Ala, 59-63, SYST. OPERS, 63- U.S.A., 43-46. Psychol. Asn; Mgt. Asn; Human Factors Soc. Technology of training; research management; training system analysis; human performance. Address: HumRRO, Division 1, 300 N. Washington St, Alexandria, Va. 22314.

LYONS, DR. JOSEPH, b. Scranton, Pa. Jan. 21, 18; c. 1. PSYCHOLOGY. B.A., City Col. New York, 38; Ph.D.(psychol), Kansas, 52. Staff psychologist, col. med, Cincinnati & Cincinnati Gen. Hosp, 52-53; chief psychologist, Vet. Admin. Hosp, Indianapolis, Ind, 53-54, staff psychologist, Topeka, Kans, 54-56, res. psychologist, Lexington, Ky, 56-67; PROF. PSYCHOL, CALIFORNIA, DAVIS, 67- U.S.A.A.F, 42-45. Psychol. Asn. Experimental social psychology; philosophy psychology; projective methods; phenomenology; expressive movements; aphasia and apraxia. Publ: Psychology and the measure of man, Macmillan, 63; A primer of experimental psychology, Harper, 65. Address: Dept. of Psychology, University of California, Davis, Calif. 95616.

LYONS, DR. WILL, b. Brooklyn, N.Y., June 14, 17; m. 50; c. 3. ECONOMICS. B.S. Bucknell, 39; Sloane Inst. fel, American Univ, 47; fel, Am. Inst. Econ. Res, 52-53; Ph.D. Harvard, 63. Asst. tabulation expert, Pop. Census, 40-42; assoc. statistician, for. trade statist, U.S. Dept. Commerce, 42-43; sr. economet, gen. statist. staff, Civilian Prod. Admin. & rev. & anal. staff, War Prod. Bd, 43-47; registered rep, Dreyfus & Co, 48-52; instr. econ, Wesleyan, 55-57; asst. prof, Haverford Col, 57-60; CHMN. DEPT, FRANKLIN & MARSHALL COL, 60- Lectr, Conn. Col, 55-; vis. assoc. prof, Amherst Col, 65-66. Consult, Am. Fedn. Labor, 47. Econ. Asn. Growth and stagnation theory; monetary theory and fiscal policy. Publ: Growth and deterioration, Soc. Sci., 4/67; A new look at the Stagnation thesis, Proc. Conf. Pa. Econ, spring 68. Address: Dept. of Economics, Franklin & Marshall College, Lancaster, Pa. 17604.

LYSAK, LT. COL. WILLIAM, U.S.A., b. Newark, N.J., Jan. 14, 26; m. 49; c. 3. PSYCHOLOGY. A.B. Michigan, 48; M.A. Wisconsin, 51, Ph.D., 53. MED. SERV. C. U.S. ARMY, 51-, chief clin. psychol, William Beaumont Army Hosp, 53-55, chief psychologist, Ment. Hyg. Consult. Serv, Ft. Carson, Colo, 56-59, asst. chief, clin. psychol. serv, Letterman Gen. Hosp, San Francisco, Calif, 59-62, CHIEF PSYCHOL. SERV, 97th Gen. Hosp, Frankfurt, Germany, 62-66, MADIGAN GEN. HOSP, TACOMA, WASH, 66- Instr, exten. div, Colorado, 57-58; Univ. Maryland European Div, 62-66. Consult, Dept. Inst. State Wash, 66- Dipl. Am. Bd. Exam. Prfnl. Psychol, 60. Med. Serv. C., 51- Psychol. Asn. Motivated perception; personality; social psychology. Publ: Values as determinants of word recognition thresholds, J. Abnorm. & Soc. Psychol; Effects of punishment upon syllable recognition thresholds, J. Exp. Psychol; Value, equivocality and goal availability as determinants of size judgements, J. Personality. Address: Box 222, Madigan General Hospital, Tacoma, Wash. 98431.

LYSTAD, PROF. ROBERT A(RTHUR), b. Milwaukee, Wis, Aug. 10, 20; m. 53; c. 3. ANTHROPOLOGY. B.A. Wisconsin, 41; B.D. Drew Theol. Sem, 44; Soc. Sci. Res. Coun. fel, Northwestern, 49-50, Ph.D.(anthrop), 51. Asst. prof. anthrop, Tulane, 51-54, assoc. prof, 54-59, prof, 59-61; assoc. prof. AFRICAN STUDIES, SCH. ADV. INT. STUDIES, HOPKINS, 61-64, PROF, 64- Guest lectr, For. Serv. Inst. Dept. State, 62-; Dept. Defense, 62- Mem, W.African Comp. Anal. Proj, Carnegie Corp, 56-; Permanent Coun. Int.

Cong. Africanists, 62-67; Africa cmt, For. Area Fel. Prog, 63-66; Africa Sci. Bd, Nat. Acad. Sci, 64- Fel. Anthropol. Asn; African Studies Asn; Int. African Inst. Acculturation in Africa, especially West Africa; African political development; international relations. Publ: Ashanti; a proud people; ed, The African world: a survey of social research, Praeger, 65. Address: School of Advanced International Studies, Johns Hopkins University, 1740 Massachusetts Ave. N. W, Washington, D.C. 20036.

LYTTON, HENRY D(UDLEY), b. Chicago, Ill, Nov. 10, 09; m. 47. ECONOMICS, PUBLIC ADMINISTRATION. A.B. Chicago, 35; American Univ, 51-53; M.B.A. N.Y. Univ, 56. Asst. to pres, Int. Statist. Bur, 36-38; asst. ed, Ogden Pub. Co, 39-41; asst. indust. econ. analyst, textiles & fibers, War Prod. Bd, 41-42; commodity specialist, Bd. Econ. Warfare, 42; ECON. & MGT. CONSULT, 45- Dir. pulp & paper div, Economet. Inst, 48; indust. specialist, Off. Defense Mobilization, 51-53; asst. Hoover Cmn, 54; exec. dir. dept. vet. affairs, Vet. Admin, 54, spec. asst. to controller, 55. Indust. productivity measurement consult, U.S. Aid Mission, Peru, 64-65; consult, mfrs. div, UN Conf. Trade & Develop, Lebanon, 68. Cert. of Appreciation, Coun. Int. Progress Mgt, 65. U.S.A.A.F, 42-45. Econ. Asn; Statist. Asn; Soc. Pub. Admin; Soc. Int. Develop. Export potentialities of developing countries for manufactured products; resources strategy for the manufacturing sector in developing countries, in the light of productivity trends and levels throughout their diverse industry branches. Publ: Predicting future nickel consumption, Eng. & Mining J, 8/57; Recent productivity trends in the federal government, Rev. Econ. & Statist, 11/59; Recent productivity trends in Peruvian manufacturing industries, Agency Int. Develop. Catalog of Invest. Info. & Opportunities, 67. Address: 1530 33rd St. N.W, Washington, D.C. 20007.

M

MAAG, DR. CLINTON H, b. Cleveland, Ohio, Nov. 22, 20; m. 47; c. 2. PSYCHOLOGY. B.A. Ohio State, 47, M.A., 48; Ph.D.(psychol), Florida, 54. Sch. psychologist, Summit County Bd. Ed, Ohio, 47-48; res. psychologist, U.S. Naval Sch. Aviation Med, 49-55; asst. head psychol. br, Off. Naval Res, D.C., 55-60; head life sci. dept, U.S. Naval Missile Center, 60-66, RESEARCHER, CENT. INTEL. AGENCY, 66- U.S.A.F, 43-46. AAAS; Psychol. Asn. Physiological psychology; human engineering; animal behavior. Address: 2516 Centreville Rd, Herndon, Va. 22070.

MAAHS, DR. ARNOLD M, b. Tilleda, Wis, May 6, 09; m. 29; c. 3. SOCIOLOGY. B.A. Pittsburgh, 37, M.L., 38, Ph.D.(sociol), 56; B.D. Capital Univ, 46. Lectr. travelogues, Nat. Lect. Bur, Chicago, Ill, 52-60; lectr. & rep, Wis. Bur. Lect. & Concerts, Madison, 61-67; ASST. PROF. SOCIOLOGY, WIS. STATE, STEVENS POINT, 66- Lectr, Minnesota, 56-57 & 60; exten. div, Wisconsin, 58-59. Sig.C, U.S.A., 41-67, Lt. Col. Cargo cult in New Guinea as related to other comparable world movements; Mohican, Stockbridge-Munsee, Indians. Publ: Our eyes were opened, Wartburg, 46; Festival of the pig, Walkabout, 50; Secret of wealth, Australasian Post, 50. Address: Dept. of Sociology, Wisconsin State University, Stevens Point, Wis. 54481.

MAAS, DR. JAMES B(ERYL), b. Detroit, Mich, Aug. 9, 38. PSYCHOLOGY. B.A., Williams Col, 60; M.A. Cornell, 63, fel, 63-64, Ph.D.(indust. psychol), 66. Asst. dean students, CORNELL, 64-65, ASST. PROF. PSYCHOL, 65- Candid camera, inc. res. grant, 66-68; Center for Res. in Ed, Cornell res. grant, 68-69. Consult, Eastman Kodak Co, 62-63. AAAS; Psychol. Asn. Teaching of psychology, including observation and evaluation techniques; development of audio-visual instructional materials; facial expression in emotion. Publ: Slide group for general psychology, 67 & Study guide for general psychology, 68, McGraw; The patterned scaled-expectation interview, J. Appl. Psychol, 65. Address: Dept. of Psychology, Cornell University, Ithaca, N.Y. 14850.

MAASS, PROF. ARTHUR, b. Baltimore, Md, July 24, 17. GOVERNMENT. B.A. Hopkins, 39, M.P.A. Harvard, 41, fel, 46-48, Ph.D., 49. Admin. analyst, U.S. Bur. Budget, 39-40; asst. res. technician, Nat. Resources Planning Bd, 41-42; budget analyst, U.S. Dept. Navy, 46; instr. GOVT, HARVARD, 48-49, asst. prof, 49-54, assoc. prof, 54-59, prof, 59-67, FRANK G. THOMSON PROF, 67- Guggenheim fel, 54; Fulbright res. grant, Spain, 60-61; Soc. Sci. Res. Coun. faculty res. grant, 61. Consult, Hoover Cmn, Task Force Nat. Resources, 48; U.S. Bur. Budget, 49; U.S. Dept. Interior, 50-53; President's Materials Policy Cmn, 51-52; Tenn. Valley Authority, 52; U.S. Army Engrs, 61-; Off. Water Resources Res, U.S. Dept. Interior, 65-66. U.S.N., 42-46. Polit. Sci. Asn; Soc. Pub. Admin. U.S. executive-legislative relations; public investment policies and techniques; water resources. Publ: Muddy waters; Area and power; Design of water resource systems. Address: Dept. of Government, Harvard University, Cambridge, Mass. 02138.

MAATSCH, DR. JACK L(OU), b. Lansing, Mich, Aug. 26, 25; m. 46; c. 4. EXPERIMENTAL & THEORETICAL PSYCHOLOGY. B.A. Mich. State Col, 50, M.A., 51, Ph.D.(psychol), 55. Consult, State Dept. Conserv, Mich, 53-54; instr. psychol, S.Dak. State Col, 54-55; training specialist, Syst. Develop. Corp, 55-57, mgr. current syst. training prog, 57-58, head N.Am. Air Defense Command Exercise Group, 58-59, spec. studies proj, 59-61, sr. human factors scientist, 61-62; proj. leader command & control studies, Inst. Defense Anal, 62-67; V.PRES. & MGR. SPEC. STUDIES DIV, SEREN-DIPITY ASSOCS, INC, 67- Consult, Inst. Naval Studies, 61- U.S.A.A.F, 43-45, Sgt. Psychol. Asn. Learning theory, especially extinction and inhibitory phenomena; human factors in military command control problems, especially application of digital computers to higher military headquarters; command and control information processing system analysis. Publ: Reinforcement and extinction phenomena, Psychol. Rev; Resistance to extinction as a function of the type of response elicited by frustration, J. Exp. Psychol; Learning and fixation after a single shock trial, J. Comp. Physiol. Psychol. Address: 6373 Vale Court, Alexandria, Va. 22312.

MABEY, DR. MELVIN P(ACK), b. Bountiful, Utah, May 10, 23; m. 51, 66; c. 12. POLITICAL SCIENCE. B.S. Brigham Young, 47, M.A., 53; Fulbright scholar, Oxford, 53-55, D.Phil.(polit. sci), 55. From instr. to PROF. HIST. & POLIT. SCI, BRIGHAM YOUNG, 55- U.S.A.A.F, 43-46, Lt. Asn. Adv.

Slavic Studies. Modern European history and government. Publ: Communism in Czechoslovakia, Occidente. Address: Dept. of Political Science, 274 Maeser Bldg, Brigham Young University, Provo, Utah 84601.

MABRY, PROF. BEVARS D(UPRE), b. Atlanta, Ga, July 7, 28; m. 61. ECONOMIC. B.A., Chattanooga, 50; M.S., Tennessee, 54; Gen. Ed. Bd. fel, Tulane, 54-56, univ. fel, 56-57; Ph.D.(econ), 59. Asst. bus. Tennessee, 54; asst. prof. ECON, Idaho, 57-59; asst. prof. BOWLING GREEN STATE, 59-66, PROF. & CHMN. DEPT, 66- Rockefeller Found. vis. prof. Thammasat, 67-68. Summer, Gen. Elec. Co. fel, 60. U.S.A. 46-47. Econ. Asn. Labor economics and legislation; economic theory; econometrics; economic development; government regulation of business; theory of wages and employment in an underdeveloped economy. Publ: Co-auth, Protective labor legislation and its administration in Tennessee; auth, Labor relations and collective bargaining, 66 & Cases in labor relations, 66, Ronald. Address: Dept. of Economics, Bowling Green State University, Bowling Green, Ohio 43402.

MABRY, DR. JOHN H(AMILTON), b. Albia, Iowa, Feb. 15, 23; m. 44; c. 2. MEDICAL SOCIOLOGY. B.A., Iowa, 48, M.A., Bivin fel, 50, Ph.D.(sociol), 51. Employ. interviewer, U.S. Employ. Serv, 45-46; asst. to dir. vet. serv, Iowa, 46-48, instr. sociol, 48-50; asst. prof. sociol. & geog, Parsons Col, 50-52; sociol, Minnesota, 52-53; Nat. Inst. Ment. Health fel, Yale, 53-54, vis. lect. sociol, 54-55; asst. prof. pub. health & prev. med, col. med, Upstate Med. Center, State Univ. N.Y., 55-58; assoc. prof. behav. sci, col. med, Kentucky, 58-63; COMMUNITY MED, VERMONT, 63-68, PROF, 68- WHO traveling fel, Eng, 58; attend. sociologist, Vet. Admin. Hosp, Syracuse, N.Y., 57-58; WHO int. exchange res. workers summer grant, U.K. & Yugoslavia, 65; guest faculty, Asn. Am. Med. Cols. health serv. res. seminar, sch. hyg. & pub. health, Hopkins, 67. Consult, Duluth City Planning Cmn. & Fed. Housing Authority, Minn, 52-53; Soc. Ment. Health, South. Regional Ed. Bd. Mem. admin. cmt. int. collab. study med. care utilization, WHO, 67- U.S.A.A.F., 43-45, 1st Lt. AAAS; Sociol. Asn.(ed, Med. Sociol. News Letter, 67-); Pub. Health Asn; Pop. Asn. Social epidemiology of illness and disease; organization, distribution and utilization of medical and health services; general social ecology and ecology of mental illness. Publ: Statistical notes on some British open mental hospitals, Int. Soc. Psychiat; Lay concepts of etiology, J. Chronic Diseases, 65; Norwich, 1961, an analysis of census returns, Town Clerk, Norwich, Eng, 66. Address: Dept. of Community Medicine, College of Medicine, University of Vermont, 25 Calchester Ave, Burlington, Vt. 05401.

McADAM, DR. DALE W(ILLIAM), b. Lansing, Mich, Oct. 23, 34; m. 58; c. 2. PSYCHOLOGY. B.A., Iowa, 57, M.A. & Ph.D.(psychol), 61. Res. assoc. psychiatrist, Iowa, 61-62, asst. prof, 62-66, assoc. prof, 66-67; ASSOC. PROF. PSYCHOL. & ASST. PROF. NEUROL, ROCHESTER, 67- Psychol. Asn; Electroencephalog. Soc. Electrophysiological concomitants of learning and of performance in man and animal; evoked brain potentials in neurological disease. Publ: Electroencephalographic changes and classical aversive conditioning in cast, Exp. Neurol, 62; co-auth, Motivational determinants of the contingent negative variation, Electroencephalog. Clin. Neurophysiol, 66 & A slow potential change in human brain related to level of motivation, J. Comp. & Psychol. Psychol, 67. Address: Dept. of Psychology, University of Rochester, Rochester, N.Y. 14627.

McADAMS, DR. ALAN KELLOGG, b. Houston, Tex, Mar. 1, 30; m. 56; c. 4. ECONOMICS. B.A., Yale, 52; M.B.A., Stanford, 58, Ph.D., 60. Asst. prof. MGR. ECON, CORNELL, 60-64, ASSOC. PROF, 64- Ford Found. fel. res. on bus. & travel & study award, 66. Consult, 61-; Int. Bus. Mach. Corp, 65-; Bank of Am, 67. U.S.N., 52-56, Res, 56-67, Lt. Econ. Asn; Finance Asn. Business-government relations; reorder managerial economics; investments; introduction of technological change in the steel industry of Western Europe; optimal cost and price policy in commercial banks. Publ: Power and politics in labor legislation, Columbia, 64; co-auth, Management decisions for cash and marketable securities; auth, Big steel, invention and innovation, reconsidered, Quart. J. Econ, 8/67. Address: Graduate School of Business & Public Administration, 526 Malott Hall, Cornell University, Ithaca, N.Y. 14850.

McADAMS, DR. JOHN, b. Vega Baja, P.R., July 15, 16; m. 48; c. 5. POLITICAL SCIENCE, HISTORY. A.B., Puerto Rico, 37; A.M., Fordham, 38, Ph.D.(polit. sci), 52; Infantry Sch, 44; U.S. Army Command & Gen. Staff Col, 45. Instr. polit. sci. & hist, Puerto Rico, 39-41; asst. chief intel. U.S. Army, P.R. & Panama, 40-42; acting mil. attache, U.S. Embassy, Paraguay, 42-44; instr. & Ed. Mil. Rev, U.S. Army Command & Gen. Staff Col, 45-47; chief tech. info. off, Off. Chief Transportation, Dept. Army, 47-49; pub. div, PAN AMERICAN UNION, ORGN. AM. STATES, 49-58, DIR. OFF. PUB. 58-, chmn. staff cmt, 51-53, staff rep, retirement & pension cmt, 54-68, dir. relief oper, Dominican Repub, 65. Case discussion leader, personnel mgt. exec. conf, Army Recruiting Center, 51-53; Secy. Gen. rep, Int. Trade Fair, Israel, 66. Polit. Sci. Asn. Government and history of Latin America, particularly in the field of public administration and international organization. Publ: The implications of current trends in contemporary society for Catholic secondary schools, 8/61 & The spirit of renewal in Latin America, 8/68, Bull. Nat. Cath. Ed. Asn. Address: 5606 Forest Place, Bethesda, Md. 20014.

McADOO, HAROLD L(EROY), b. Ohio, Sept. 5, 01; m. 25; c. 1. PSYCHOLOGY. B.A., Ashland Col, 26; M.A., Western Reserve, 34. Psychologist, Adj. Gen. Off, U.S. Dept. Army, 41-44, chief occup. specialties, testing res. unit, 48-53; chief test consult. serv, U.S. Civil Serv. Cmn, 44-47; prof. psychol, Boston, 47-48; ASST. CHIEF, PERSONNEL MEASUREMENT RES. & DEVELOP. CENTER, U.S. CIVIL SERV. CMN, 53- Consult, YMCA, 47-48. AAAS; Psychol. Asn; Psychomet. Soc. Personnel employment selection, placement and promotion. Publ: Co-auth, Construction and analysis of achievement tests. Address: 3460 39th St, N.W. Apt. 679, Washington, D.C. 20016.

McALEXANDER, PROF. ROBERT HUBERT, b. Percival, Iowa, Mar. 31, 22; m. 44; c. 2. AGRICULTURAL ECONOMICS. B.A., Nebr. State Teachers Col.(Peru), 43; B.S., Iowa State Col, 49, Ph.D.(agr. econ), 56; M.S., Oregon State Col, 53. Instr. pub. schs, Nebr. & Iowa, 46-52; asst. AGR. ECON,

Oregon State Col, 52-53; Iowa State Col, 53-54, res. assoc, 54-55; asst. prof, PA. STATE, 56-58, assoc. prof, 58-64, PROF, 64-, COORDINATOR INT. AGR. PROGS, 68- Farm mgt. consult, Food & Agr. Orgn. UN, Greece, 63 & Taiwan, 65. U.S.A.A.F., 43-46. AAAS; Agr. Econ. Asn; Soc. Agr. Sci; Int. Asn. Agr. Econ. Farm management; agricultural production economics; international agricultural programs. Publ: Co-auth, Determining least-cost combinations & The effects of alternative methods of selecting representative farms on supply response estimates, 8/65, J. Farm Econ; Linear programming techniques applied to agricultural problems, Pa. State Agr. Exp. Sta. Bull. Address: 120 E. Mitchell Ave, State College, Pa. 16801.

McALLISTER, DR. EDWARD H(AYS), b. Oakland, Calif, May 24, 26. PSYCHOLOGY. A.B., Dartmouth Col, 49; Ph.D.(psychol), Cornell, 55. Instr, Dartmouth Col, 50-51; asst. psychol, Cornell, 51-55; counsr, Psychol. Corp, 56-57; staff psychologist, Rohrer, Hibler & Replogle, 57-64, partner, 64-67; PROG. DIR, U.S. NAVAL PERSONNEL RES. ACTIVITY, 67- Instr, Champlain Col, 51; St. Lawrence, 52. U.S.N.R., 44-46. Human motivation and personality theory; counseling and guidance; experimental and social psychology. Address: 7605 Hillside Dr, La Jolla, Calif. 92037.

McALLISTER, PROF. SAMUEL B(ERTRAM), Govt, see 10th ed, Soc. & Behav. Vols.

McALLESTER, PROF. DAVID PARK, b. Everett, Mass, Aug. 6, 16; m. 40; c. 2. ANTHROPOLOGY. A.B., Harvard, 38; Ph.D.(anthrop), Columbia, 49. Instr, Brooklyn Col, 45-46; from instr. to PROF. ANTHROP, WESLEYAN, 47- Asst, Columbia, 45-46; res. assoc, Mus. Navajo Ceremonial Art, N.Mex, 51- Consult, State Hosp, 51- U.S.A., 41-43. Fel. Anthropol. Asn; Soc. Ethnomusicol.(secy-treas, 55-58, ed, 58-61, pres, 62-64). Personality and culture; culture and linguistics; ethno-musicology. Publ: Peyote music; Enemy way music; Navajo creation chants. Address: Dept. of Anthropology, Wesleyan University, Middletown, Conn. 06457.

McALLISTER, DR. DOROTHY E(LSEY), b. Detroit, Mich, Nov. 18, 23; m. 48. PSYCHOLOGY. B.A., Mich. State Col, 48; M.A., Iowa, 50, Ph.D.(psychol), 52. Res. assoc. psychol, U.S. Navy & Air Force contract, Iowa, 49-52, as- soc. proj. supvr, U.S. Air Force contract, 52-53; co-prin. investr. Nat. Sci. Found. res. contract, SYRACUSE, 54-56, INSTR. PSYCHOL, UNIV. COL, 56-, RES. ASSOC. & CO-PRIN. INVESTR, U.S. PUB. HEALTH SERV. RES. CONTRACT, 58- Psychol. Asn; Psychonomic Soc. Human and animal learning and motivation. Publ: Effects of various kinds of relevant verbal pretraining on subsequent motor performance, 11/53 & co-auth, Influence of the ready signal and unpaired UCS presentations on eyelid conditioning, 7/60, J. Exp. Psychol; Incubation of fear: an examination of the concept, J. Exp. Res. Personality, 8/67. Address: 142 Terraceview Rd, DeWitt, N.Y. 13214.

McALLISTER, PROF. HARRY E(DWARD), b. Seattle, Wash, Oct. 8, 16; m. 42; c. 3. ECONOMICS, STATISTICS. B.A., East Wash. State Col, 41; M.A., Washington State, 43; Ph.D.(econ), Colorado, 50. Instr. econ, WASHINGTON STATE, 46-47, asst. prof. ECON. & BUS. ADMIN, 48-52, assoc. prof, 52-58, PROF, 58-, CHMN. DEPT. BUS. ADMIN, 64- Res. assoc, Nat. Bur. Econ. Res, N.Y., 59-60. Consult, House Spec. Cmt. on Postwar Econ. Policy & Planning, 45; State Game Cmn, Wash, 55, Ariz. & N.Mex. 57; State Tax Cmn, Wash, 58. U.S.A., 43-44. Econ. Asn; Statist. Asn. Economic and business statistics. Publ: Co-auth, Postwar public works and construction; Statistical factors affecting the stability of the wholesale and consumers' price indexes, In: Government price statistics, Joint Econ. Cmt. Govt. Printing Off, 61; Border tax problem in Washington, Nat. Tax J. Address: 1406 Lower Dr. Pullman, Wash. 99163.

McALLISTER, PROF. J. GILBERT, b. San Antonio, Tex, Jan. 26, 04; m. 28. ANTHROPOLOGY. B.A., Texas, 28; fel, Chicago, 32-33, M.A., 33, Ph.D.(soc. anthrop), 35. Asst. ethnologist, Bishop Mus, Honolulu, 29-31; res. assoc, Chicago, 33-34; instr. ANTHROP, TEXAS, 35-36, asst. prof, 36-39, assoc. prof, 39-44, PROF, 44-, chmn. dept. & dir. Works Progress Admin-Univ. Archaeol. Surv, 38-47. AAAS; Soc. Am. Archaeol; fel. Anthropol. Asn; Ethnol. Soc. Archaeology of Hawaii and the Mississippi Valley; ethnography of Hawaii; social anthropology of Kiowa-Apache and Peyote. Publ: Kiowa-Apache social organization; Archaeology of Oahu; Archaeology of Porter County, Illinois. Address: 3000 Clearview Dr, Austin, Tex. 78703.

McALLISTER, PROF. LESTER B(ELDEN), JR, b. Chicago, Ill, Feb. 21, 21; m. 45; c. 1. ECONOMICS. B.A., Coe Col, 42; M.A., Northwestern, 47; Carnegie Corp. fel. & Ph.D.(econ), Oregon, 53. Instr. ECON, Coe Col, 47-50; Ore. State Col, 52-53; asst. prof, BELOIT COL, 53-55, assoc. prof, 55-59, PROF, 59-, CHMN. DEPT, 60- Prof, Nat. War Col, 61-62; summers, Ford Found. fel, Wisconsin, 57; Found. Econ. Ed, Inc. fel, 56; Lilly Endowment, Inc. res. grant, 60. Consult, Ed. Policies Cmn, D.C., 56-59. U.S.A.A.F., 42-46, Maj. Econ. Asn. United States monetary and banking history; economics of defense. Publ: Monetary and banking theories of Albert Gallatin, J. Finance; co-auth, National strategies and defense budgets, In: Public finance and welfare: essays in honor of C. Ward Macy, Univ. Oregon, 66. Address: Dept. of Economics, Beloit College, Beloit, Wis. 53512.

McALLISTER, PROF. WALLACE R(ONALD), b. Princeton, Ont, Sept. 5, 21; m. 48; PSYCHOLOGY. B.A., Mich. State Col, 48; M.A., Iowa, 50, Ph.D.(psychol), 51. Asst. exp. psychol, Iowa, 49-51, Nat. Res. Coun. fel, 51-52; instr. & res. assoc. PSYCHOL, 52-53; asst. prof, SYRACUSE, 53-57, assoc. prof, 57-63, PROF, 63- U.S.A.A.F., 42-45. AAAS; Psychol. Asn; Psychonomic Soc. Motivation and learning. Publ: Spatial relation of irrelevant and relevant goal objects as a factor in simple selective learning, J. Comp. & Physiol. Psychol; Effect on eyelid conditioning of shifting the CS-US interval & co-auth, Increase over time in the stimulus generalization of acquired fear, 63, J. Exp. Psychol. Address: 142 Terraceview Rd, DeWitt, N.Y. 13214.

McALLISTER, DR. W(ALTER) G(INDER), b. Lancaster, Pa, Feb. 24, 97; m. 30; c. 1. PSYCHOLOGY. A.B., Gettysburg Col, 23; Chicago, 23-26; Ph.D.(psychol), Minnesota, 29. Instr. PSYCHOL, Minnesota, 26-29; ILLINOIS,

- URBANA, 29-30, assoc. 30-41, asst. prof. 41-49, assoc. prof. 49-65, EMER. ASSOC. PROF. 65- U.S.A. 17-19. Fel. AAAS; Psychol. Asn. Phylogenetic development of behavior; complex forms of learning in animals; effects of early experience on adult behavior patterns. Address: 1016 W. White St, Champaign, Ill. 61820.
- McANDREW, SISTER M. BERNARDINA, b. Scranton, Pa, Sept. 2, 09. PSYCHOLOGY. B.A. Marywood Col, 35; M.A. Catholic Univ, 39, Ph.D. 43. Prof. psychol. MARYWOOD COL, 43-49, dean women, 47-53, PROF. PSYCHOL. & DIR. PSYCHO-ED. CLIN, 53- Summer, vis. instr. Catholic Univ, 45. Dipl. Am. Bd. Exam. Prfnl. Psychol. 49. Fel. Psychol. Asn. Clinical studies of children; behavior, educational problems, validity and reliability of current tests. Publ: Experimental investigation of young children's ideas of physical causality; Do we know our five year olds?, Nat. Kindergarten Rev. Address: Dept. of Psychology, Marywood College, Scranton, Pa. 18509.
- McARTHUR, DR. CHARLES C(AMPBELL), b. Quincy, Mass, May 14, 20; m. 47; c. 1. PSYCHOLOGY Ph.D.(clin. psychol.), Harvard, 51. PSYCHOLOGIST, HEALTH SERV, HARVARD, 51- Sociol. Asn. Clinical psychology; projective tests; culture and personality. Publ: Co-ed, The emotional problems of students, Appleton, 61; auth, Clinical vs. actuarial prediction, Proc. Invitational Conf. on Testing Probs, 55 & In: Testing problems in prospective, Am. Coun. Ed, 66; Career choice: it starts at home, Think, Vol. 32, No. 2, Diamond, 6/20/66, The MBA, 3/67, Personnel Admin, 67 & In: Career information kit, Sci. Res. Assocs. & Executive leadership: dynamics and development, (in press). Address: 75 Mt. Auburn St, Cambridge, Mass. 02138.
- McARTHUR, DR. NEIL M, b. London, Ont, Jan. 1, 21; m. 46; c. 2. GEOGRAPHY. B.A. Western Ontario, 48, B.A., 49, M.A., 50; Ph.D.(geog.), Michigan, 55. Asst. prof. GEOG. Mich. State Norm. Col, 51-57; Maryland, 57-61; ASSOC. PROF. Royal Mil. Col.(Ont), 61-68; ATKINSON COL, YORK (ONT), 68- Consult, Atlantic Develop. Bd, 66-67; St. Clair Region Develop. Coun, 68; summer consult, Kroger Co, 59, 60. R.C.A.F. & R.A.F., 40-45, Flight Lt. Asn. Am. Geog; Can. Asn. Geog. Land use geography, especially airport location; recreational geography. Publ: Co-auth, Workbook in economic geography, W.C. Brown, 60; auth, Airport and community, Dept. Transport & Queen's Printer, 66. Address: Dept. of Geography, Atkinson College, York University, Toronto 12, Ont, Can.
- MacARTHUR, PROF. R(USSELL) S(TUART), b. Trochu, Alta, Jan. 7, 18; m. 47; c. 1. EDUCATIONAL PSYCHOLOGY. B.Ed, Alberta, 47, M.Ed, 48; Carnegie fel, London, 48-49, Brit. Coun. scholar, 49-50, Ph.D.(ed. psychol), 51. Teacher, Ashcroft Sch. Bd, Alta, 36-39, Trochu Valley Sch. Bd, 39-41; instr. physics, Alberta, 47-48; res. officer, Dept. Ed, New South Wales, 51; supt. schs, Alta, 52; asst. dir, Kellogg Proj, Can. Ed. Asn, 52-55; PROF. ED. PSYCHOL, ALBERTA, 55- Carnegie travel grant, 58; res. dir, Alta. Royal Cmn. Ed, 58. R.C.A.F., 41-45. Asn. Psychol. Asn; Psychomet. Soc; Can. Psychol. Asn; Brit. Psychol. Soc. Development; psychometrics; education; social psychology. Publ: Cognitive development in cross-cultural context. Address: Dept. of Educational Psychology, University of Alberta, Edmonton, Alta, Can.
- McARTHUR, DR. WILMOTH C(HARLES), b. Tell, Tex, June 22, 17; m. 45; c. 4. AGRICULTURAL ECONOMICS, RURAL SOCIOLOGY. B.S. Tex. Tech. Col, 41, M.S. Agr. & Mech. Col, Tex, 47; Ph.D. N.C. State Col, 46. Asst. agr. economist, Agr. & Mech. Col, Tex, 47-52; res. asst. agr. econ, N.C. State Col, 52-55; agr. economist, FARM ECON. DIV. ECON. RES. SERV, U.S. DEPT. AGR, 55-63, res. agr. economist, 63-66, AGR. ECONOMIST & REGIONAL ANALYST, 66-, merit award, 65. U.S.N.A.F., 42-45, Lt.(jg). Agr. Econ. Asn. Economics of agriculture adjustments and aggregate supply response of major crops in the southeast. Publ: Economic analysis of conservation farming on a cotton-dairy farm in the piedmont area of Georgia & Optimum organizations for general crop-livestock farms, southwest coastal plain area of Georgia, Ga. Exp. Sta. Bull; Conservation reserve program in Georgia: its effects in the piedmont and coastal plain, Econ. Res. Serv. Series. Address: Dept. of Agricultural Economics, University of Georgia, Athens, Ga. 30601.
- MACAULAY, PROF. HUGH H(OLLEMAN), b. Seneca, S.C, May 17, 24; m. 47; c. 3. ECONOMICS. B.S. Alabama, 47, M.S., 48; Gen. Ed. Bd. fel, Columbia, 51-52, Ph.D.(econ), 57. From instr. to assoc. prof. econ, Clemson Col, 49-55, prof, 56-59; lectr, Columbia, 55-56; fiscal economist, tax anal. staff, U.S. Dept. Treas, 59-60; prof. econ. & deans grad. sch, CLEMSON, 61-65, ALUMNI PROF. ECON, 65- U.S.A. 43-46. Econ. Asn. Tax treatment of fringe benefits and mutual financial organizations; effects of taxes on balance of payments; tax treatment of fringe benefits, nonwage income, and retirement benefits; use of taxes, subsidies, and regulations to allocate water resources. Publ: Fringe benefits and their federal tax treatment; Tax measures providing income assistance to older persons, Joint Econ. Cmt, 67. Address: Dept. of Economics, Clemson University, Clemson, S.C. 29631.
- MAULIFF, JOSEPH LAVERN, b. Oklahoma City, Okla, June 28, 26; m. 49; c. 7. MARKETING, ECONOMICS. B.S. Oklahoma City Univ, 55; M.B.A., Oklahoma, 57, 66- Asst. to gen. mgr, Norick Bros. Printing Co, 48-50; mgr, McAuliff Ins. Agencies, 50-52; underwriter, Southland Life Ins, 50-52-54; instr. bus. admin, mkt. & econ, Oklahoma City Univ, 56-57; asst. economist, bur. bus. & econ. res, Arkansas, 57-58; indust. develop. economist, Tenn. Valley Authority, 58-61, chmn. econ. study cmt, Economists' Conf, 59-61; Area Redevelop. Admin, U.S. Dept. Commerce, D.C. 61-65, economist, Econ. Develop. Admin, 65-67; econ. planner, Ozarks Regional Cmn, 67; EXEC. DIR, EAST. OKLA. ECON. DEVELOP. DIST, 67- Instr. Chattanooga, 58-61; lectr, American Univ, 62-65. Consult, Herndon Medico, Inc, Va, 62-67; Gordon A. Friesen, Int. D.C, 63-67; Adv. Cmn. Intergovt. Rels, Wash, D.C, 66-; consult. & dir, Am. Medico, Inc, Va, 66- Mem. Gov. Adv. Cmt. Pub. Health, Okla, 67- Econ. Asn; Mkt. Asn. Industrial development and location; marketing of industrial products; population, national and regional income and employment; insurance and economic development; regional economic development; health economics; economic-social-political systems. Publ: Local industrial building bonds, a tool for development, 67, Health and medical facilities, a regional approach, 68 & Regional development banks, 68, East. Okla. Econ. Develop. Dist. Address: 2311 Arline, Muskogee, Okla. 74401.
- MACAVOY, DR. PAUL WEBSTER, b. Haverhill, Mass, Apr. 21, 34; m. 55. ECONOMICS. A.B. Bates Col, 55; M.A. Yale, 56, Ph.D. 60. Instr. ECON, Yale, 59-60, asst. prof. grad. sch. bus, Chicago, 60-63; MASS. INST. TECH, 63-66, ASSOC. PROF, 66- Ford Found. faculty res. fel, 61-62; sr. staff economist, Coun. Econ. Adv, Office of President, 65-66. Econ. Asn. Price theory; industrial organization in the United States; economic effects of government regulation and antitrust on market behavior; economics of developing advanced reactors and desalting plants. Publ: Price formation in natural gas fields, Yale, 62; The economic effects of regulation: the trunk-line railroad cartels and the Interstate Commerce Commission before 1900, M.I.T. Press, 65; co-auth, Regulation of transport innovation: the case of unit trains of coal to the eastern seaboard, Random, 67. Address: Sloan School of Management, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- McBAIN, BENJAMIN JAMES, b. Aug. 27, 10; Can. citizen. AGRICULTURAL ECONOMICS. B.Sc. Alberta, 41. Asst. res. economist, ALTA. DEPT. AGR, 41-44, supvr. prod. studies, 45-60, HEAD PROD. RES. BR, 61- Lectr, Alberta, 58-59. Consult, Bd. Pub. Utility Cmn, 41- Can. Centennial medal, 68. Agr. Inst. Can. Cost of production of commodities; land and water resources. Publ: Dairy farm business summary on production costs and earnings, annually, 41-, Irrigated specialty crops in Alberta, 54-58 & co-auth, Oil seeds and wheat—cost of production, 61-63, Alta. Dept. Agr. Address: 1075 74th Ave, Edmonton, Alta, Can.
- McBAIN, PROF. W(ILLIAM) N(ORSEWORTHY), b. Orilla, Ont, Apr. 19, 18; m. 44; c. 3. PSYCHOLOGY. B.Com, Alberta, 40; B.A. British Columbia, 49, M.A., 50; Ph.D.(psychol), California, 53. Asst. prof. indust. psychol, McGill, 53-58, sr. voc. guid. officer, 56-58; asst. prof. PSYCHOL, SAN JOSE STATE COL, 58-63, assoc. prof, 63-66, PROF, 66- R.C.A.F. 40-45, Flight Lt. Am. Psychol. Asn; Can. Psychol. Asn. Monotony and behavioral correlates of repetitive work; personnel selection and testing; executive training and development. Publ: Co-auth, The science of ourselves, Harper, 62; contrib. to Can. J. Psychol, J. Abnorm. & Soc. Psychol. & J. Appl. Psychol. Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 95114.
- McBATH, PROF. JAMES HARVEY, Speech, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- MACBETH, DR. THOMAS GEORGE, b. Lakewood, Ohio, Aug. 3, 35; m. 67. ECONOMIC STATISTICS. A.B. Cornell, 57; M.A. Southern California, 59, Haynes Found. fel, 61, Ph.D.(econ), 62. Assoc. economist, Fed. Reserve Bank Cleveland, 62-63; asst. prof. ECON, Millikin, 63-65; ASSOC. PROF, LOWELL TECH. INST, 65- Nat. Sci. Found. summer fel. math. statist, Va. Polytech, 63; lectr, univ. col, Northeastern, 66-; Ford Found. summer fel. economist, Mass. Inst. Tech, 67. Econ. Asn; Finance Asn; Soc. Adv. Mgt. Address: Lowell Technological Institute, 1 Textile Ave, Lowell, Mass. 01854.
- MacBRAYER, DR. CAROLINE TAYLOR, b. Statesville, N.C, Jan. 3, 19; m. 45; c. 1. PSYCHOLOGY. A.B. Hollins Col, 40; M.A. North Carolina, 42, Ph.D. (psychol), 44. Instr. psychol, Newcomb Col, Tulane, 44-45; vis. assoc. prof, Queens Col.(N.C), 53-54, assoc. prof, 54-56; vis. assoc. prof, Davidson Col, 56-57, assoc. prof, 57-58, 59-60; PRACTICING PSYCHOLOGIST, 60- Psychol. Asn. Experimental psychology; color vision; perception and personality. Publ: Symbolism validity and learning without awareness, J. Consult. Psychol; Relationship between story length and situational validity of the TAT, J. Proj. Tech; Differences in perception of the opposite sex by males and females, J. Soc. Psychol. Address: 641 E. Center Ave, Mooresville, N.C. 28115.
- McBREARTY, DR. JOHN F(RANCIS), Psychol, see 11th ed, Phys. & Biol. Vols.
- McBRIDE, PROF. GEORGE M(cUTCHEEN), b. Benton, Kans, Oct. 11, 76; m. 07, 61; c. 3. GEOGRAPHY. B.A. Park Col, 98; Ph.D.(geog), Yale, 21; LL.D. California, 61. V.dir, Eng. Inst, Santiago, Chile, 05-07; dir, Am. Inst, Bolivia, 07-15; instr. geog, Wesleyan, 15-17; asst. Spanish, Yale, 16-17; librn. & asst. ed, Geog. Rev, Am. Geog. Soc, 17-19, res. assoc, 20-22; from lectr. to EMER. PROF. GEOG, CALIFORNIA, LOS ANGELES, 22- Spec. lectr, Clark, 22; Wisconsin, 23; Oklahoma, 23, 26; vis. prof, Carnegie Endowment Int. Peace, S.Am, 29-30, Cent. Am, 38. Asst. ed, Handbook Latin Am. Studies, 40- U.S. tech. adv, Ecuador-Peru Boundary Cmn, 42-48. Hon. fel. Am. Geog. Soc.(Livingstone medal, 56); Asn. Am. Geog.(v.pres, 39); cor. mem. Lima Geog. Soc. Latin American and political geography; land tenure in Latin America. Publ: Agrarian Indian communities of Highland Bolivia; Land systems of Mexico; Chile, land and society. Address: 921 W. Bonita Ave, Claremont, Calif. 91711.
- McBRIDE, DR. GLYNN, b. Briggsville, Ark, Aug. 10, 14; m. 40; c. 1. AGRICULTURAL ECONOMICS. B.S. Arkansas, 42; Ph.D.(agr. econ), Wisconsin, 55. Asst. prof. AGR. ECON, MICH. STATE, 54-59, ASSOC. PROF, 59- Adv, Pakistan Acad. Rural Develop, Govt. W. Pakistan, 64-66. U.S.N. 44-46, Res. Lt. Agr. Econ. Asn. Agricultural policy with respect to alternative programs, milk pricing and international trade barriers for dairy products. Publ: Pricing Class I milk in Michigan, Mich. Agr. Exp. Sta, 60; co-auth, Socio-economic survey of a union council in Pakistan, Pakistan Acad, 66; auth, Toward conceptualizing the process of development, J. Farm Econ, 67. Address: Dept. of Agricultural Economics, Michigan State University, East Lansing, Mich. 48823.
- McBRIDE, DR. JAMES HUBERT, b. Waco, Tex, Sept. 22, 24; m. 47; c. 4. POLITICAL SCIENCE. B.S. U.S. Mil. Acad, 46; Meyer fel, Georgetown, 62, H.B. Earhart fel, 62-65, univ. scholar, 63, Ph.D.(int. rels), 66. Sr. analyst polit-mil. affairs, Off. Nat. Security Studies, Bendix Sys. Div, 65-67; DIR. SPEC. PROJ, CENTER STRATEGIC STUDIES, GEORGETOWN, 67- U.S.

Air Force commendation medal, 61. U.S.A., 46-61, Capt. Polit. Sci. Assn. Strategy; trends in the strategic military balance; the political, technological and military implications of Test Ban Treaty; impact of widespread nuclear proliferation upon United States defense policy; United States-Japanese relations. Publ: Co-auth, Military posture, Praeger, 65; auth, The Test Ban Treaty, Regnery, 87; The coming missile gap, Intercollegiate Rev. Address: 862 College Pkwy, Apt. 101, Rockville, Md. 20850.

McBRIDE, JOHN W(ESLEY), b. Tupper's Plains, Ohio, May 16, 03; m. 32; c. 4. ECONOMICS. A.B. Ohio, 29; A.M. Princeton, 30; Soc. Sci. Res. Coun. fel, American Univ, 31-32. Asst, Princeton, 29-31; asst. prof, Ohio Northern, 32-33; economist, imports sect, Nat. Recovery Admin, 33-35, retail price div, U.S. Bur. Labor Statist, 35-38; econ. analyst, Nat. Bituminous Coal Cmn, 38-43; assoc. price exec, Off. Price Admin, 43-47; for. econ. specialist, U.S. Dept. State, 47-55, for. serv. officer, first secy, Am. Embassy, Greece, 55-59; adv. statist, Survs. & Res. Corp, Korean Govt, U.S. Ops. Mission, 60-61; BUS. & TAX CONSULT, 61- Economic problems and development in Central Africa; prices and price relationships; economic and statistical analysis. Address: 3504 Third St. N, Arlington, Va. 22201.

McBRYDE, DR. F(ELK) WEBSTER, b. Lynchburg, Va, Apr. 23, 08; m. 34; c. 3. GEOGRAPHY, ETHNOECOLOGY. A.B. Tulane, 30; Colorado, 29, fel, 30-31; fel, Clark, 31; fel, Clark-Carnegie Inst. Exped, Guatemala, 32; Soc. Sci. Res. Coun. fel, 35-36; Ph.D.(geog), California, 40; LL.D, Tulane, 67. Geogr. & photogr. archaeol. exped, Tulane, Cent. Am, 27-28, asst. geol, univ, 29-30, geog, Mid. Am. Res. Inst, 32-33; California, 33-35, 37; Instr, Ohio State, 37-42; geogr, mil. intel. div, geog. br, U.S. War Dept, 42-45; geogr. & dir, Inst. Soc. Anthropol, Smithsonian Inst, Peru Off, 45-47; geogr, Viru Valley, Peru, exped. & spec. rep, Inst. Andean Res, 46-47; Geogr. & consult, off. coordinator Inst. statist, U.S. Bur. Census, 48-58; dir. regional planning, Friesen Assocs, Inc, D.C. & Costa Rica, 58-58; pres, F.W. McBryde Assocs, Inc, D.C. & Latin Am, 58-64; sr. res. fel. & dir. Atomic Energy Cmn. field prog. canal studies, Cent. Am. BATTELLE MEM. INST, 65-68, field dir, Andean Ecol. Proj, S.Am, 67-68, DIR. PROJ. DEVELOP. PROG. CENT. AM. & MEX, 68- Nat. Res. Coun. fel, Guatemala, Mex. & Calif. & Pan-Am. Airways travel fel, Guatemala, 40-41; lectr, Latin Am. Workshop, Western Reserve, 44; mem. faculty, sch. adv. res, Lima, 47-48; prof. lectr, Maryland, 49-51, consult. prof, 59. Collab, U.S. Dept. Agr, 40-41; phys. geogr. & chief phys. & cultural geog. br, natural resources div, Inter-Am. Geod. Surv, C.Z, 64-65. Consult, U.S. Food Mission, Peru, 47; chief & tech. adv. U.S. Census Mission, Ecuador, 49-51; adv. & Wash. rep. to President of Guatemala, 57-63; electoral campaign adv. to President of Honduras, 57; Latin Am. consult, Inst. Mod. Langs, D.C, 63- Chmn. census submt. on manpower, Nat. Res. Coun, 43-44, Cmt. Latin Am. Res. Geog, 48-; organizing secy, Inter-Am. Coun, 53-58, pres, 58-63; pres, Inter-Am. Inst. Mod. Langs, 63-66; mem, Int. Cultural Center, Mex; Int. Oceanogr. Found. AAAS; Anthropol. Assn; Cong. Surv. & Mapping; Am. Geophys. Union; Am. Inst. Biol. Sci; Meteorol. Soc; Soc. Photogram; Arctic Inst. N.Am; Asn. Trop. Biol; Asn. Am. Geog.(organizing secy-treas, Soc. Prfnl. Geog, 43-44, pres, 44-45); Ecol. Soc; Human Ecol. Soc; Regional Sci. Assn; Soc. Am. Archaeol; Soc. Econ. Bot; Soc. Int. Develop; Soc. Mil. Eng; Ecuadorian Inst. Anthropol. & Geog; Ecuadorian Inst. Natural Sci; Geog. & Hist. Soc. Guatemala; Geog. Soc. Lima; Mex. Soc. Geog. & Statist. Ethnoecology; ancient and modern Latin American native cultures; physical and cultural geography; map projection, cartographic techniques, graphic presentation of data, photogrammetry and photography, regional socio-economic planning, development, agriculture and industries. Publ: Solola: a Guatemalan town and Cakchiquel market-center, Tulane, 33; Cultural and historical geography of southwest Guatemala, Inst. Soc. Anthropol, Smithsonian Inst, 47 & Spanish ed, Guatemala, Vols. I & II, 68; co-auth, Equal-area projections for world statistical maps, U.S. Coast & Geog. Surv, 49. Address: 10100 Falls Rd, Potomac, Md. 20854.

McBRYDE, DR. VERNON E(UGENE), Indust. Eng, Appl. Statist, see 11th ed, Phys. & Biol. Vols.

McBURNIEY, DR. DONALD H(USTON), b. Nyack, N.Y., Nov. 11, 38; m. 60; c. 4. EXPERIMENTAL PSYCHOLOGY. B.S. Geneva Col, 60; U.S. Pub. Health Serv. fel, Brown, 61-64, Sc.M, 63, Ph.D.(psychol), 64. Asst. prof. PSYCHOL, Tennessee, 64-67; ASSOC. PROF, PITTSBURGH, 67- Nat. Inst. Neurol. Diseases & Blindness res. grant, 67-69. AAAS; Psychol. Assn; Psychonomic Soc. Sensory processes; psychophysiology of taste; adaptation. Publ: Co-auth, Gustatory adaptation to saliva and sodium chloride, 6: 523-529 & auth, Magnitude estimation of the taste of sodium chloride after adaptation to sodium chloride, 72: 869-873, J. Exp. Psychol; co-auth, The effect of adaptation on taste buds, Perception & Psychophys, 2: 175-178. Address: Dept. of Psychology, University of Pittsburgh, Pittsburgh, Pa. 15213.

McCABE, DR. LUBERTA H(ARDEN), b. Wheaton, Minn, Oct. 29, 00; m. 34; c. 3. PSYCHOLOGY. B.A. State Col. Wash, 22; M.A. Clark, 26, Ph.D. (psychol), 29. Asst. ed, Clark Univ. Press, 29-34; consult. ed, J. Abnorm. & Soc. Psychol, Harvard, 42-50; MANAGING ED, J. PASTORAL CARE, 52- Psychology of learning; effect of emotional reactions upon retention. Address: 61 Lexington Ave, Cambridge, Mass. 02138.

McCABE, NORBERT G(ERHARD), b. Freeport, N.Y., Feb. 5, 20; m. 51; c. 3. ECONOMICS. B.S. Illinois, 49, M.S. 50. ECONOMIST, U.S. DEPT. AIR FORCE, 52- Sig.C. U.S.A., 42-45. Econ. Assn. Analysis of industrial resources; industrial readiness planning; procurement and production; analysis of industry management and operations; reports analysis and management. Address: HQ AFSC Box 253, Andrews Air Force Base, Washington, D.C. 20331.

McCABE, DR. SHERIDAN PATRICK, b. Milwaukee, Wis, Nov. 5, 30; m. 58; c. 5. COUNSELING PSYCHOLOGY. A.B. St. Mary's 52, S.T.B. 54; M.A. Catholic Univ, 56, Ph.D.(psychol), 58. From instr. to assoc. prof. psychol. & chmn. dept, Portland, 58-67, counseling psychologist, psychol. serv, 58-61; DIR. COUNSELING CENTER, NOTRE DAME, 67- Lectr, Mt. Angel Sem, 59-64. voc. consult, bur. hearing & appeals, Soc. Security Admin, 63-;

psychol. consult. Multnomah County Ment. Health Clin. 66-67; Alcoholic Offender Rehab. Proj, Portland, 66-67. Psychol. Assn; Personnel & Guid. Assn. Vocational interest measurement, choice and adjustment. Publ: Hazards in the use of clinical techniques in vocational counseling, Personnel & Guid. J, 65; Attitudes, values and motivational systems of American Catholic male college students, Cath. Psychol. Record, 66; Systems and theories of psychology, In: New Catholic Encyclopedia, 67. Address: Counseling Center, University of Notre Dame, Notre Dame, Ind. 46556.

McCABE, W(ILLIAM) J(OHN), b. Pleasant Mount, Pa, Aug. 27, 15; m. 41; c. 5. PSYCHOMETRICS. B.S. St. Thomas Col, 37; M.A. George Washington, 43. Statistician, Label Mfrs. Nat. Assn, 41-42; test construct. analyst psychol, U.S. Dept. Army Air Force, 42-43, statistician, transportation ops, U.S. DEPT. ARMY, 43-45, chief statist. & progress br, transportation corps, 45-50, dep. chief prog. rev. & anal. div, transportation comptroller, 50, anal. statistician, OFF. COMPTROLLER, 50-62, surv. statistician, OFF. CIVIL DEFENSE, 62-67, DIR. E.O.C. BR, 67- Statist. Assn. Operations; logistics; Programming. Address: Office of Civil Defense, Dept. of the Army, Pentagon, Washington, D.C. 20310.

McCAFFREE, PROF. KENNETH M(AURICE), b. Wichita, Kans, June 23, 19; m. 41; c. 5. LABOR ECONOMICS. A.B. Southwest. Col.(Kans), 40; A.M. Denver, 42; Ph.D. Chicago, 50. Asst. indust. rels. center, Chicago, 48-49; asst. prof. ECON, WASHINGTON (SEATTLE), 49-58, assoc. prof, 58-66. PROF, 67- U.S.N.R., 42-46. Econ. Assn; Indust. Rel. Res. Assn; Pub. Health Assn. Economics of health and medical care; labor relations and economics. Publ: Regional labor agreements in the constructive industry & Union membership policies and labor productivity among asbestos workers, Indust. & Labor Rel. Rev; The costs of mental health care under changing treatment methods, Am. J. Pub. Health, 66. Address: Dept. of Economics, University of Washington, Seattle, Wash. 98105.

McCAFFREY, BRO. D(OMINIC) AUGUSTINE, F.S.C., Sociol, see 10th ed, Soc. & Behav. Vols, deceased 63.

McCAFFREY, EDMUND F(AIRBANKS), O.S.B, b. Savannah, Ga, Jan. 9, 33. POLITICAL SCIENCE. B.A. Belmont Abbey Col, 55, ST.B. Belmont Abbey Sem, 59; M.A. Catholic Univ, 63, Maurice J. O'Connor scholarship, 63-68, Ph.D. 68. Asst. pastor, St. Benedict's Church, Richmond, Va, 59-60; asst. to dean of men, BELMONT ABBEY COL, 60-62, ASST. PROF. POLIT. SCI. CHMN. DEPT. & TRUSTEE, 67- DIR. FORMATION, BELMONT ABBEY MONASTERY, 66-, SUB-PRIOR, 67- Polit. Sci. Assn. International studies; ethics and international life and practice; international law and relations; American foreign policy. Publ: Prudence: military necessity, Mil. Rev, 9/65. Address: Belmont Abbey College, Belmont, N.C. 28012.

McCAGHY, DR. CHARLES H(ENRY), b. Eau Claire, Wis, Apr. 29, 34; m. 61. SOCIOLOGY. B.B.A. Wisconsin, 56, M.S. 62, Ph.D.(sociol), 66. Instr. SOCIOLOGY, Connecticut, 64-66; ASST. PROF, CASE WESTERN RESERVE, 66- U.S.N. 56-59, Lt.(jg). Sociol. Assn; Soc. Study Social Probs; Soc. Criminol. Sexual deviation; police-community relations; chronic police case inebriate rehabilitation programs. Publ: Co-ed, Approaches to deviance: theories, concepts and research findings, 68 & In their own behalf: voices from the margin, 68, Appleton; contrib, Child molesters: a study of their careers as deviants, In: Criminal behavior systems: a typology, Holt, 67. Address: Dept. of Sociology, Case Western Reserve University, Cleveland, Ohio 44106.

McCAIN, PROF. GARVIN, Comp. Psychol, see 11th ed. Phys. & Biol. Vols.

McCALL, DR. CHESTER HAYDEN, JR, b. Vandergrift, Pa, Aug. 6, 27; m. 52; c. 2. MATHEMATICAL STATISTICS. A.B. George Washington, 50, A.M. 52, Ph.D. 57. Instr. statist, George Washington 52-56; res. dir, BOOZ-ALLEN APPL. RES. INC, Md, 59-63, V.PRES. & DIR. WEST. OPERS, 63- Asst. prof, George Washington, 56-64. Consult, Corn Indus. Res. Found, 53-; eng. res. & develop. lab. & logistics res, U.S. Dept. Army, 55- U.S.A. 46-47; U.S.A.F.R. 53- Statist. Assn; Math. Soc; Ops. Res. Soc; Soc. Indust. & Appl. Math; Soc. Qual. Control; Inst. Math. Statist. Experimental design; survey sampling; model building; direction of research. Address: Research & Analysis Division, Booz-Allen Applied Research, Inc, 6151 W. Century Blvd, Suite 704-708, Los Angeles, Calif. 90045.

McCALL, PROF. DANIEL F(RANCIS), b. Westfield, Mass, Mar. 3, 18; m. 46; c. 2. ANTHROPOLOGY, HISTORY. A.B. Boston, 49; Soc. Sci. Res. Coun. fel, 52; Ph.D.(anthrop), Columbia, 55. Prof. soc. sci, Liberia, 53; PROF. AFRICAN STUDIES, BOSTON, 54- Vis. lectr, Univ. Col. of Ghana, 60-61; Rockefeller Found. travel & res. grant, 63-64. U.S.C.G. 41-46. Anthropol. Assn; Soc. Ethnol; African Studies Assn; Int. African Inst. Urbanization; ethnology; historical reconstruction. Publ: Africa in time-perspective, Oxford Univ, 64; Dynamics of urbanization in Africa, Ann. Am. Soc. Polit. & Soc. Sci, 55. Address: African Studies Center, Boston University, 10 Lenox St, Brookline, Mass. 02146.

McCALL, DR. GEORGE J(OHN), b. Monterey Park, Calif, Apr. 11, 39; m. 64. SOCIOLOGY. B.A. Iowa, 61; summer, Indiana, 61; Woodrow Wilson fel. & M.A. Harvard, 63, Nat. Sci. Found. & Harvard Found. Adv. Study fcls. & Ph.D.(soc. psychol), 65. Instr. SOCIOLOGY, Iowa, 63-64; Illinois, Urbana, 64-65, asst. prof, 65-67, ASSOC. PROF, ILLINOIS, CHICAGO, 67- Mem. submt. new dept. & new curricula, Cmt. Sociol. Training, 67- Sociol. Assn; Soc. Study Social Probs. Social psychology; methodology; social organization; animal behavior. Publ: Co-auth, Identities and interactions, Macmillan, 66 & Issues in participant observation, Addison-Wesley, 68; auth, Symbolists: the case of hoodoo & the numbers racket, Soc. Probs, 63. Address: 18749 Morgan Ave, Homewood, Ill. 60430.

McCALL, DR. JOHN J, JR, b. Chicago, Ill, Feb. 28, 33; m. 56; c. 2. ECONOMICS, OPERATIONS RESEARCH. A.B. Notre Dame, 55; Ph.D.(econ), Chicago, 59. Economist, Rand, 59-66; assoc. prof. ops. res, Chicago, 66; ECONOMIST, RAND CORP, 66- Nat. Sci. Found. fcls, 63-64, 68-69. Econ. Assn; Inst. Mgt. Sci. Reliability theory; economics of poverty; economics of information; operations research; econometrics. Publ: Co-auth, Optimal replacement policy, Rand McNally, 67; auth, The economics of information

and optimal stopping rules, J. Bus, 65; Maintenance policies for stochastically failing equipment, Mgt. Sci, 65. Address: Rand Corp, 1700 Main St, Santa Monica, Calif. 90406.

McCALL, DR. JOHN N(EWTON), b. Raleigh, N.C., Aug. 7, 24; m. 54; c. 3. PSYCHOLOGY, COUNSELING. B.A., North Carolina, 50; M.A., Columbia, 51; fel. Minnesota, 53-55; Ph.D.(psychol), 59. Instr. PSYCHOL, Emory, 51-53; gen. col. Minnesota, 55-57; Carnegie Inst. Tech, 57-59; asst. prof., Buffalo, 59-65; ASSOC. PROF., SOUTHERN ILLINOIS, EDWARDSVILLE, 65- U.S.A.A.F., 43-46, Sgt. Psychol. Asn; Ed. Res. Asn; Nat. Coun. Measurement in Ed. Philosophy of science; behavior modification; validity of self-report inventories; vocational interest development. Publ: Co-auth, Predictors of freshman grades in a southern university, Ed. & Psychol. Measurement; auth, Trends in measurement of vocational interest, Rev. Ed. Res, 65; Masculine striving as a clue to skilled-trade interests, J. Appl. Psychol, 65. Address: Psychology Faculty, Southern Illinois University, Edwardsville, Ill. 62025.

McCALL, PROF. RAYMOND J(OSEPH), b. Bronx, N.Y., Oct. 16, 13; m. 37; c. 3. PSYCHOLOGY. A.B., Fordham, 34. Ph.D.(philos), 41; Knights of Columbus fel, Catholic Univ, 35-36, M.A., 36; M.A., Columbia, 49, Ph.D.(psychol), 51. Instr. philos. & psychol, St. John's (N.Y.), 36-40, assoc. prof. & acting chmn. dept., 40-46, prof. & chmn. dept., 46-51; PSYCHOL, De Paul, 51-56; PROF. DEPT. PSYCHOL, MARQUETTE, 56-; DEPT. PSYCHIAT, 66- Consult, psychoanal. clin. training & res, Columbia, 50-51; Grace Clin, 50-51; Munic. Court, Chicago, 51-52; Wis. Div. Correction, 63-; Vet. Admin, Wood, Wis, 66- U.S.N.R., 43-46, Lt.(jg). Psychol. Asn. Personality theory; psychopathological nosology; psychometric methods in clinical psychology. Publ: Basic logic; Preface to scientific psychology; Abnormal psychology: an introductory description, Am. Book Co, 68. Address: Dept. of Psychology, Marquette University, Milwaukee, Wis. 53233.

McCALL, DR. ROBERT B, b. Milwaukee, Wis, June 21, 40; m. 62. DEVELOPMENTAL PSYCHOLOGY. A.B., DePaul, 62; M.A., Illinois, Urbana, 64, Nat. Insts. Health fel, 64-65, Ph.D.(psychol), 65. Vis. lectr. ed. psychol, Illinois, Urbana, 65; Nat. Sci. Found. fel. develop. psychol, Harvard, 65-66; asst. prof. psychol, North Carolina, Chapel Hill, 66-69; CHMN. DEPT. PSYCHOL, FELS RES. INST., 69- Soc. Res. Social Sci; Soc. Res. Child Develop. Cognitive development in infants; early experience in subhumans. Publ: The initial-consequent-change surface in light-contingent bar-pressing, J. Comp. Physiol. Psychol, 62; 35-42; co-auth, Stimulus-schema discrepancy and attention in the infant, J. Exp. Child Psychol, 5; 381-390; auth, The use of multivariate procedures in developmental psychology, In: Manual of child development, Wiley, (in press). Address: Fels Research Institute, Yellow Springs, Ohio 45387.

McCALL, DR. VIRGIL W(ILLIAM), b. Kusa, Okla., Jan. 27, 20; m. 37; c. 4. PSYCHOLOGY. B.S., Missouri, Columbia, 63, M.S., 64, Ed.D.(ed. psychol), 66. ASST. PROF. PSYCHOL, SOUTHWEST MO. STATE COL., 66- U.S.A., 37-61, Maj. Psychol. Asn; Nat. Coun. Measurement in Ed. Psychological measurement and evaluation, especially preschool children and infants. Address: Dept. of Education & Psychology, Southwest Missouri State College, Springfield, Mo. 65802.

McCALLA, DR. ALEX(ANDER) F(REDERICK), b. Edmonton, Alta, Apr. 21, 37; m. 58; c. 3. ECONOMICS. B.Sc., Alberta, 61, M.A., 63; Can. Coun. fel, Minnesota, 63-65, Ph.D.(econ, agr. econ), 66. ASST. PROF. AGR. ECON, CALIFORNIA, DAVIS, 66- Consult, U.S. Dept. Agr, 67. Am. Agr. Econ. Asn; Am. Econ. Asn; Can. Agr. Econ. Soc; Can. Econ. Asn; Int. Asn. Agr. Econ. Economics of agriculture, especially agricultural policy in developed countries; international trade in primary products; role of agriculture in economic development. Publ: A duopoly model of world wheat pricing, J. Farm Econ, 8/66; Pricing in the world feed grain market, 10/67 & co-auth, Non-equilibrium fixed-price schemes in agricultural trade, 10/67, Agr. Econ. Res. Address: Dept. of Agricultural Economics, University of California, Davis, Calif. 95616.

McCALLISTER, KENNETH J(OHN), b. Washougal, Wash, Aug. 10, 13; m. 42; c. 3. ECONOMICS. B.S., State Col. Wash, 36; M.S., Cornell, 38. From agr. economist to chief tech. progs. div, U.S. DEPT. AGR, 38-59, STAFF ASST. ECONOMET. METHODS, ECON. RES. SERV., 59- U.S.A., 44-46. Marketing research; analytic methods. Publ: The analyst's guide to electronic data processing, U.S. Dept. Agr, 68; Principles and practices in the development of standards for grades of agricultural products; Retail market news as an aid in marketing. Address: 30 Black Hawk Dr, Washington, D.C. 20021.

McCALLUM, DR. GEORGE E(DWARD), b. Pittsburgh, Pa., Feb. 17, 31. ECONOMICS. A.B., California, Berkeley, 52, Ph.D.(econ), 65. Instr. econ, Gannon Col, 59-62; economist, Interstate Commerce Cmn, 62; asst. prof. ECON, Gannon Col, 63-67; ASSOC. PROF., ST. NORBERT COL., 67- Mem, Transportation Res. Forum. U.S.A., 54-56. Econ. Asn. Effects of differential government regulatory and promotional policies upon intermodal competition in transportation; application of input-output analysis to regional economic base studies; urban transportation problems. Publ: New techniques in railroad ratemaking, Washington State Univ, 68. Address: Dept. of Economics, St. Norbert College, West DePere, Wis. 54178.

McCALLUM, PROF. WILLIAM J(EROME), b. McKinney, Tex, Aug. 28, 15; m. 39; c. 1. BEHAVIORAL SCIENCE. B.S., N.Tex. State Col, 35, M.S., 36; Columbia, 37-38; Ph.D.(ed. biol), George Peabody Col, 46. Prof. biol, Stephen F. Austin State Col, 47-48, prof. admin. & dir. exten. serv, 48-62; assoc. prof. ED. & PSYCHOL, CENT. STATE COL.(OKLA), 62-65, PROF., 65- U.S.N.R., 43-46, Lt. School administration; school use of computers and programmed instruction. Address: 815 Myrtle Dr, Edmond, Okla. 73034.

McCALMONT, DR. DAVID B(URNETT), b. Franklin, Pa., Aug. 9, 09. ECONOMICS. A.B., Yale, 32, LL.B., 35; Ph.D., Hopkins, 60. Attorney, Nat. Petrol. Asn, 35-37; Nat. Labor Rels. Bd, 37-40, attorney-adv, 51-53; gen. counsel, D.C. Co-op. League, 40-41; mgr, New Brunswick Consumers Co-op, N.J., 43-45; ed. dir, New Haven Consumers Co-op, Conn, 47-48; instr.

econ, Maryland, 48-49; instr. bus, McCoy Col, Hopkins, 56-57; asst. prof. ECON, Franklin & Marshall Col, 57-60; OHIO STATE, 60-64, ASSOC. PROF., 64- Econ. Asn; Finance Asn. Money and banking; international payments; teaching methods; public finance. Publ: Semi-strike, Indust. & Labor Rels. Rev; Gold-reserve sharing among Federal Reserve Banks, Rev. Econ. & Statist, 5/63; Why a rising federal debt is no cause for alarm, Bus. Horizons, fall 64. Address: Dept. of Economics, 1775 S. College Rd, Ohio State University, Columbus, Ohio 43210.

McCAMY, PROF. JAMES L(UCIAN), b. Knoxville, Tenn, June 10, 06. POLITICAL SCIENCE. A.B., Texas, 29, A.M., 32; fel, Chicago, 33-34, Ph.D., 38. Prof. govt. Bennington Col, 34-39; asst. to Secy, U.S. Dept. Agr, 39-41; prof. govt, Bennington Col, 41-42; asst. to dir, Bd. Econ. Warfare, 42-43; dir. bur. areas, For. Econ. Admin, 43-45; adv. Austrian econ. affairs, For. Serv. Auxiliary, 45; dir. world trade policy staff & dep. dir, off. int. trade, U.S. Dept. Commerce, 46; PROF. POLIT. SCI, WISCONSIN, 47-; Knapp scholar, Center Syst, 67-68. Chmn, Wis. summer seminar on qual. of environ, 67. AAAS; Polit. Sci. Asn.(v.pres, 64). Science and government; public administration; conduct of diplomacy; American political theory. Publ: Administration of American foreign affairs; Science and public administration; Conduct of the new diplomacy, Harper, 64. Address: 1610 Adams St, Madison, Wis. 53711.

McCANDLESS, DR. BOYD R(OWDEN), b. St. John, Kans, Aug. 18, 15; m. 41; c. 3. PSYCHOLOGY. A.B., Ft. Hays Kans. State Col, 36; M.A., Iowa, 38, Ph.D.(child tchn. psychol), 41. Ment. hygienist, Wayne County Training Sch, 41-42; from asst. to assoc. prof. psychol, San Francisco State Col, 46-48; assoc. prof, Ohio State, 48-51; res. prof. psychol. & dir. child welfare res. sta, Iowa, 51-60; chmn. dept. psychol, inst. ed. & res. Panjab, Pakistan, 60-62; prof. sch. ed. & dept. psychol, Indiana, 62-66; DIR. ED. PSYCHOL, EMORY, 66- With U.S. Maritime Serv. Officers Sch, 42-46. Consult, North Carolina, Greensboro, 66-68; Jamaica & study panel, Proj. Head Start, 67- Dipl. trustee & exam, Am. Bd. Exam. Prinl. Psychol. Fel. Psychol. Asn.(pres. elect, 66-67, pres, 67-68, ed. Develop. Psychol, 67-73); Soc. Res. Child Develop. Social acceptability and anxiety in childhood; compensatory education and prediction of school success of disadvantaged inner-city preschool children; adolescent development, particularly maturational and body build variables. Publ: Children and adolescents, behavior and development; Children: behavior and development, Holt, 67; co-auth, A diagnostically based curriculum for retarded, psychosocially disadvantaged, Appalachian 5-year old children, U.S. Off. Ed, 68. Address: Room 217, Psychology Bldg, Emory University, Atlanta, Ga. 30322.

McCANDLESS, PROF. CARL A(LBERT), b. Benton Co, Mo, June 12, 07. POLITICAL SCIENCE. B.S., Cent. Mo. State Col, 30; A.M., Missouri, 32; Ph.D., Iowa, 42. Supt. schs, Iowa, 39-42; instr. POLIT. SCI, WASHINGTON (ST. LOUIS), 42-45, asst. prof, 45-51, assoc. prof, 51-57, PROF, 57-; chmn. dept, 61-66. Res. dir, State Reorgn. Cmn, Mo, 54-55; assoc. res. dir, St. Louis Metrop. Surv, 56-57. Polit. Sci. Asn; Soc. Pub. Admin. Public personnel administration in Iowa; government, politics and administration in Missouri; state administrative reorganization and reorganization of metropolitan areas. Address: 3 Glenmary Rd, St. Louis, Mo. 63132.

McCANDLESS, PROF. DAVID A(LEXANDER), b. Munfordville, Ky, July 7, 05. CRIMINOLOGY, ADMINISTRATION. LL.B., George Washington, 31. Attorney, 31-41; asst. city attorney, Louisville, 46-48, dir. safety, 48-50; DIR, SOUTH. POLICE INST, UNIV. LOUISVILLE, 50-; PROF. CRIMINOL, 50- Rockefeller grant, South Africa, 59. Mem. nat. cmn. community rels, Nat. conf. Christians & Jews, 53-59. Good Govt. award, Louisville & U.S. Jr. Chamber Commerce, 49; George Washington Univ. alumni achievement award, 65. U.S.N.R., 42-46, Lt. Comdr. Soc. Criminol; Acad. Forensic Sci; Int. Asn. Chiefs Police. Police science and administration. Address: Southern Police Institute, University of Louisville, Louisville, Ky. 40208.

McCANDLESS, DR. FREDERICK D(ARLINGTON), b. Lexington, Ky, Mar. 28, 21; m. 50; c. 3. PSYCHIATRY, BEHAVIORAL SCIENCES. Princeton, 39-42; M.D., Cornell, 45. Instr. anat, ALBANY MED. COL., 47-50, neurol. & psychiat, 50-53, asst. prof. psychiat, 53-55, assoc. prof, 55-61, PROF, 61-; HEAD SUB-DEPT. BEHAV. SCI, 60-; instr. pub. health, 53-58, asst. prof. community health, 58-67. John & Mary R. Markle Found. fel, 48-52; asst. dispensary psychiatrist-in-charge, Albany Med. Center Hosp, 53-55, attending psychiatrist, 54-; campus coordinator, Albany Med. Col. Progs, Guyana, 64-; lectr, Russell Sage Col, 65- Dipl. Am. Bd. Psychiat. & Neurol, 52. Am. Med. Asn; fel. Psychiat. Asn. Behavioral variables as basic study for medical students and physicians; ethnic distribution of disease; socio-cultural investigation of psychiatric disorders; identity problems in professionalization in students. Publ: Co-auth, The relation of student anxiety to concepts of medical care, J. Med. Ed, 2/58 & The complete physician, Proc. Third World Cong. Psychiat, 60; auth, The emotional problems of the climacteric, Clin. Obstet. & Gynec, 6/64. Address: Sub-department of Behavioral Sciences, Albany Medical College, Albany, N.Y. 12208.

McCANDLISH, DR. LEO, b. Toronto, Ont, June 9, 19. PSYCHOLOGY. B.A., Western Ontario, 47; M.A., Fordham, 51; Ph.D.(clin. psychol), Loyola (Ill), 58. Instr. psychol, Catholic Univ.(P.R.), 51-54, assoc. prof. & chmn. dept, 58-61; staff psychologist, ST. ELIZABETH'S HOSP, 61-62, SUPRVY PSYCHOLOGIST, 62- Psychol. Asn; fel. Acad. Psychosom. Med; Int. Soc. Comprehensive Med.(2nd v.pres, 68-). Clinical psychology and psychotherapy; industrial psychology. Publ: Community mental health in America, Czech. Psychiat. Soc, 7/66. Address: St. Elizabeth's Hospital, Washington, D.C. 20032.

McCANN, DR. CATHERINE, b. Carlyle, Mont, Oct. 9, 08. ARCHAEOLOGY. B.A., Montana, 30; M.A., Wisconsin, 31; Ph.D.(anthrop), Pennsylvania, 47. Asst. supvr, Works Progress Admin. Archaeol. Proj, Ga, 38-41; res. fel, Del. Indian Proj, Lilly Found, 46-50; curator & dir, Tioga Point Mus, Pa, 56-63; asst. curator ARCHAEOLOG, WILLIAM PENN MEM. MUS, 63-66, ASSOC. CURATOR, 66- Aboriginal urn burial in the southeastern United States; archaeology of eastern North America. Publ: The Ware site, Salem County, New Jersey, Am. Antiquity; The Wilson site, Bradford County, Pennsylvania, Pa. Archaeologist; co-auth, The Irene Mound site, Chatham County, Georgia. Address: William Penn Memorial Museum, Harrisburg, Pa. 17108.

- McCANN, PROF. GLENN C(ROCKER), b. Sunnyside, Utah, Apr. 15, 22; m. 45. SOCIOLOGY. B.A. Colorado, 47, fel, 47-48, M.A., 49; Ph.D.(sociol), Washington State, 53. Res. sociologist, Washington (Seattle), 52-53; asst. prof. officer, Human Resources Res. Inst, Air Res. & Develop. Command, Maxwell Air Force Base, Ala, 53-54; task scientist, crew res. lab, Randolph Air Force Base, Tex, 54-57; PROF. SOCIOL, N.C. STATE, 57- Vis. prof, Agrarian Univ, Peru, 63-65; Chunpuk Nat. Univ, Korea, summer 67. U.S.A.A.F, 43-45. Sociol. Asn; Rural Sociol. Soc. Social psychology; comparative rural sociology; research methodology. Publ: Co-auth, Subregional variability of adjustment factors of rural families in the South, South. Coop. Series Bull, N.C. Exp. Sta, 66; auth, Studie uber eine Atomstadt, Kolner Zeitschrift für Soziol, 52; co-auth, Morale and human relations leadership as factors in organizational effectiveness, In: Studies in organizational effectiveness, U.S. Air Force, 62. Address: Dept. of Sociology & Anthropology, Box 5428, North Carolina State University, Raleigh, N.C. 27607.
- McCANN, DR. JAMES R(AYMOND), b. Richmond, Mo, Apr. 27, 24; m. 48. PSYCHOLOGY. B.A. Washington (St. Louis), 50; fel, Univ. Kansas City, 51-52, M.A., 52; fel, Vanderbilt, 53-54, Ph.D.(psychol), 55. Asst, Vanderbilt, 52-53; intern clin. psychol, Kennedy Vet. Admin. Hosp, 54-55; asst. prof, psychol, Memphis State, 55-57, prof. & head dept, 57-66; ASSOC. PROF. & CHIEF PSYCHOLOGIST, CHILD DEVELOP. CENTER & ASSOC. PROF. DEPT. PEDIAT. & PSYCHIAT, COL. MED. TENNESSEE, 66- Staff psychologist, Gailor Psychiat. Hosp, 55-57; adj. prof, Memphis State, 67- U.S.A., 43-48, Res, 48-, 1st Lt. Psychol. Asn; Asn. Ment. Deficiency. Child development; neurologically handicapping conditions; mental retardation; diagnostic testing; psychotherapy. Address: Child Development Center, University of Tennessee Medical School, 22 N. Pauline St, Memphis, Tenn. 38105.
- McCANN, DR. LEE I(VON), b. Omaha, Nebr, Jan. 29, 41. EXPERIMENTAL PSYCHOLOGY. B.S. Iowa State, 62, M.S., 64, Nat. Sci. Found. summer fel, 65, Ph.D.(psychol), 66. ASST. PROF. PSYCHOL, WIS. STATE, OSHKOSH, 66- Psychol. Asn; Animal Behav. Soc. Effects of early experience on subsequent behavior; behavior genetics; effects of external stimulation on cardiac function; perception. Address: Dept. of Psychology, Wisconsin State University, Oshkosh, Wis. 54901.
- McCANN, DR. RICHARD DYER, Film Hist. & Criticism, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- McCANN, PROF. THOMAS RALPH, b. Columbus, Miss, Sept. 13, 19; m. 55. ECONOMICS. B.S. Miss. State Col, 42, M.S.S., 53; M.A. Peabody Col, 49; Alabama, 54. Instr. soc. sci. E. Cent. Jr. Col, Miss, 49-52; ASSOC. PROF. ECON, NORTHEAST LA. STATE COL, 52- U.S.A., 42-45. Econ. Asn. Economic history. Address: 2001 College Ave, Monroe, La. 71201.
- McCANN, DR. WILLIS H(ARRISON), b. Richmond, Mo, Mar. 16, 07; m. 35; c. 2. PSYCHOLOGY. A.B. Missouri, 33; A.M. Cornell, 36; Wesleyan, 36-37; Ph.D.(abnorm. psychol), Indiana, 40; LL.B. Univ. Kansas City, 58. Psychologist, State Hosp, Nevada, Mo, 39-41; asst. prof. psychol, Philippines, 41; res. psychologist-psychopathologist, St. Joseph State Hosp, 41-42, clin. psychologist, 45-60, chief psychologist, 60-68; CHMN. DEPT. PSYCHOL, MO. WEST. COL, 68- Clin. prof, Univ. Kansas City, 51-53. Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.A.R, 28-67, Maj. AAAS; fel. Psychol. Asn; Bar Asn. Forensic psychology; psychological theory. Publ: Round-table technique in group psychotherapy, Group Psychother; Round-table psychotherapy; a technique in group psychotherapy, J. Consult. Psychol; I am sick of sick, sick, sick, Am. Interprofessional Inst. Quart, spring 65. Address: 4 Hawthorn Lane, St. Joseph, Mo. 64505.
- MacCANNELL, DR. EARLE H, b. Seattle, Wash, Feb. 21, 18; m. 39; c. 3. SOCIOLOGY. B.A. Washington (Seattle), 50, B.S., 52, M.A., 53, Ph.D., 56. Assoc. SOCIOL, Washington (Seattle), 52-53, acting instr, 53-56; asst. prof, San Diego State Col, 56-59; Alberta, 59-62; ASSOC. PROF, PORTLAND STATE COL, 62-, dir. center pop. res, 63-67. Lectr, Nevada, 59 & 62; summer lectr. & Upwards Bound. Prog. consult, Humboldt State Col, 67. Consult. State Census Bd. Wash, 51-56; County Dept. Health, San Diego, 57-59; dir, Ore. State Bd. Census, 63-65. U.S.A.A.F, 43-49. Sociol. Asn; Statist. Asn; Acad. Polit. & Soc. Sci; Pop. Asn. Social psychology; demography; methods of research. Address: Dept. of Sociology, Portland State College, Portland, Ore. 97207.
- McCARRAN, SISTER MARGARET PATRICIA, b. Reno, Nev, July 22, 04. POLITICS, HISTORY. Mus.B. Mt. St. Mary's Col.(Calif), 30; A.B. Col. Holy Names (Calif), 35; M.A., Catholic Univ, 46, Ph.D., 52. Instr. POLIT. & HIST, COL. HOLY NAMES (CALIF), 52-57, asst. prof, 57-62, ASSOC. PROF, 62- Volker Fund grants, 54 & 63. Anglo-American relations as labor-education level; British and American Fabianism; Musical compositions; pedagogy; musicology. Publ: Fabianism in the political life of Britains 1919-1932, Catholic Univ, 52, 2nd ed, Heritage Found, 54. Address: Dept. of History, College of the Holy Names, 3500 Mountain Blvd, Oakland, Calif. 94619.
- McCARREY, PROF. RULON S(QUIRES), b. Richmond, Utah, Sept. 13, 12; m. 48; c. 3. SOCIOLOGY. B.S. Utah State, 37, M.S., 41; Ph.D.(sociol), Utah, 59. Dir, Latter Day Saints Welfare Plan, Argentina, 41-44; training officer, Utah State, 46-47; PROF. SOCIOL, RICKS COL, 48-, HEAD DEPT, 54- Co-chmn. div. family living & mem. acad. coun, Ricks Col, 65-; vis. prof, Brigham Young, 66-67. U.S.A.A.F, 44-46. AAAS; Sociol. Asn; Nat. Coun. Family Rel. Marriage and family relationships; marriage counseling. Publ: Premarital orientation; Expectations of college youth; Premarital orientation and expectations of college youth, Rocky Mt. Soc. Sci. Asn, 4/63. Address: 323 S. Third East, Rexburg, Idaho 83440.
- McCARTER, PROF. BOBBYE L(OUELLA), b. Ft. Worth, Tex, Aug. 9, 38. SOCIOLOGY. B.A. & B.S. Texas Women's Univ, 53; M.A. La. State, 59. Instr. SOCIOL, MURRAY STATE, 59-60, asst. prof, 60-64, ASSOC. PROF, 64- Sociology of childhood and the family. Address: Box 980, University Station, Murray State University, Murray, Ky. 42072.
- McCARTHY, DR. ALBERT JOSEPH PATRICK, b. Oswego, N.Y., July 28, 17. GEOGRAPHY. A.B. Niagara, 40; M.A. Syracuse, 48; Ph.D.(Am. studies), St. Louis, 65. Asst. geog, Syracuse, 49-50, 52-53; asst. prof. air sci. & tactics, Massachusetts, 51-52; acting asst. prof. geog, Colgate, 53-54; res. specialist hist. geog, Univ. Col. London, 54-55; lectr. GEOG, Indiana, 56-61; ASST. PROF. ST. LOUIS, 62- U.S.A.F, 42-45, 51-52, Maj. Asn. Am. Geog; Am. Geog. Soc; Am. Studies Asn. American studies; historical geography of eastern North America and western Europe. Publ: The Irish national electrification scheme, Geog. Rev, 10/57; A teaching unit on the rectangular land survey, J. Geog, 11/60. Address: Dept. of Geography, St. Louis University, St. Louis, Mo. 63103.
- McCARTHY, DR. CHARLES D(ONALD), Psychol, see 10th ed, Soc. & Behav. Vols.
- McCARTHY, PROF. DOROTHEA A(GNES), b. Minneapolis, Minn, Mar. 4. 06; m. 34; c. 1. PSYCHOLOGY. B.A. Minnesota, 25, Ph.D.(psychol), 28; hon. D.Sc. Col. New Rochelle, 87. Asst, Inst. Child Welfare, Minnesota, 28-28; Nat. Res. Coun. fel, 28-29; clin. psychologist, Calif. Bur. Juvenile Res, 29-30; assoc. prof. psychol. & child psychologist, dept. child develop, Georgia, 30-32; assoc. prof. ed. psychol, FORDHAM, 32-41, PSYCHOL, grad. sch, 41-47, PROF, 48- Fel. Psychol. Asn; Soc. Res. Child Development. Child and clinical psychology; language development and disorders. Publ: Language development, Manual Child Psychol; Affective aspects of language development, In: Perceptual development in children, Int. Univs, 66. Address: Dept. of Psychology, Fordham University, New York, N.Y. 10458.
- McCARTHY, PROF. E(DMUND) JEROME, b. Chicago, Ill, Feb. 20, 28; m. 49; c. 6. MARKETING. B.S. Northwestern, 50; M.A. Minnesota, 54, Ph.D. (bus. admin. & indust. eng), 58. Sales rep, Nat. Finishing Tools Co, 49-50; asst. buyer, U.S. Gypsum Co, 50-52; instr. mkt, Minnesota, 52-55, lectr, 55-56; asst. prof, Notre Dame, 56-59; fel, Inst. Basic Math, Harvard, 59-60; assoc. prof. mkt. & mgt, Notre Dame, 60-65; PROF. MKT. & TRANSPORTATION, MICH. STATE, 65- U.S.A.A.F, 46-47. Mkt. Asn; Econ. Asn. Channel pricing policies; subjective demand analysis; evolution of marketing institutions; wage incentives and the guaranteed annual wage; management science. Publ: Integrated data processing systems, Wiley, 66; Basic marketing: a managerial approach, Irwin, 3rd ed, 68; Organization for new product development, J. Bus. Address: Dept. of Marketing & Transportation, Michigan State University, East Lansing, Mich. 48823.
- McCARTHY, PROF. JAMES JEROME, b. Gary, Ind, May 20, 27; m. 53; c. 3. PSYCHOLOGY. Ph.B. Marquette, 50; M.E. Wis. State Teachers Col.(Milwaukee), 54; Ph.D. Illinois, 57. Teacher, pub. sch, Wis, 52-54; asst. spec. ed, Illinois, 54-57, res. assoc, 57-58, res. asst. prof, 58-61; asst. prof. ED, WISCONSIN, 61-65, assoc. prof, 65-67, PROF, 67- Mem. Coun. Except Children. U.S.N, 45-56, Res, 50-54. Psychol. Asn; Asn. Ment. Deficiency. Training of graduate students in the area of mental deficiency; exceptional children; language development; neurologically impaired children; special education instructional materials centers. Publ: Co-auth, Illinois test of psycholinguistic abilities, Univ. Illinois, 61 & A decade of research on the education of the mentally retarded, Ment. Retardation Abstracts, 4/66; auth, Instructional material centers in special education, In: Educational therapy, Vol. 2, Spec. Child Pub., 67. Address: 5925 S. Hill Dr, Madison, Wis. 53705.
- McCARTHY, PROF. JOHN P(ATRICK), b. Gary, Ind, Oct. 31, 21. POLITICAL SCIENCE. A.B. Indiana, 46; M.A. Chicago, 47. Lectr. govt, Indiana, 48-54; ASST. PROF. hist. & govt, Purdue, 54-56; POLIT, CATHOLIC UNIV, 56- U.S.A., 43-46. Polit. Sci. Asn; Soc. Pub. Admin; Acad. Polit. & Soc. Sci. Public administration; American government. Address: Dept. of Politics, Catholic University of America, Washington, D.C. 20017.
- McCARTHY, SISTER M(ARY) VITERBO, b. Whitman, Mass, Apr. 27, 20. PSYCHOLOGY, ANTHROPOLOGY. A.B. Regis Col.(Mass), 42; Boston Col, 47-49; M.A. Catholic Univ, 51, Ph.D., 53. Teacher, Mt. St. Joseph Acad, 43-45; Sacred Heart High Sch, 45-49; instr. PSYCHOL, REGIS COL.(MASS), 53-56, asst. prof, 57-62, assoc. prof, 62-66, PROF, 66- CHMN. DEPT, 59- Nat. Sci. Found. res. grant, 65-67. Psychol. Asn; Acad. Relig. & Ment. Health. Social drinking for college students; selection procedures in a teaching community; methods of programming; verbal discrimination as a function of associative strength. Publ: Level of confidence in judgements requiring varying degrees of ego-involvement; Short term group counseling with disguised cases, Chronicle Guid. Pub, 65; Settings for counseling, N.Eng. Bd. Higher Ed, 65. Address: Dept. of Psychology, Regis College, Weston, Mass. 02193.
- McCARTHY, PROF. PHILIP J(OHN), b. Friendship, N.Y., Feb. 9, 18; m. 42; c. 4. STATISTICS. A.B. Cornell, 39; M.A. Princeton, 41, Ph.D.(math), 47. Res. assoc, Columbia, 41-42; ops. res, U.S. Dept. Navy, 42-43; Princeton, 43-46, Soc. Sci. Res. Coun. fel, 46-48; PROF. APPL. STATIST, STATE UNIV. N.Y. SCH. INDUST. & LABOR RELS, CORNELL, 47- Consult, Nat. Center Health Statist, 64- Fel. Statist. Asn; Inst. Math. Statist. Sampling methods; application of statistics in the social sciences. Publ: Co-auth, Sampling opinions; auth, Introduction to statistical reasoning; co-auth, Sampling and price indexes. Address: 115 Lienroc Court, Ithaca, N.Y. 14850.
- McCARTHY, TERENCE, Econ, Polit. Sci, see 10th ed, Soc. & Behav. Vols.
- McCARTHY, DR. THOMAS, b. Boston, Mass, Nov. 29, 26; m. 57; c. 4. HEALTH SCIENCE ADMINISTRATION. A.B. Boston Col, 49; M.S. Northwestern, 55; Ph.D.(hosp. & health admin), Iowa, 61. Hosp. admin. consult, Ill. Dept. Pub. Health, 58-58; admin. assoc. univ. hosps, Iowa, 59, pub. health trainee, univ, 59-60, res. assoc. hosp. admin, 60-61, from instr. to asst. prof, col. med, 61-62; grants assoc. div. res. grants, Nat. Insts. Health, 62-63, scientist adminstr, exec. sect. health serv. res. study sect, 63-67, chief projs. rev. bur. health serv, U.S. Pub. Health Serv, 67-68, DEP. DIR. NAT. CENTER HEALTH SERV. RES. & DEVELOP, HEALTH SERV. & MENT. HEALTH ADMIN, DEPT. HEALTH, ED. & WELFARE, 68- Asst. prof, Baylor, 64-66, assoc. prof, 66-67; lectr, Hopkins, 66- Consult, med.

- dept, sch. hosp. admin, U.S. Navy, 63-65, med. dept, Naval Med. Data Serv. Center, 66- U.S.N., 44-46, 50-51, Res, 51-, Lt. Comdr. Col. Hosp. Adminstr; Hosp. Asn; Pub. Health Asn; Asn. Am. Med. Cols; Int. Hosp. Fedn. Health services research, especially organizational aspects of hospital care and the delivery of medical care. Publ: Co-auth, What administrators worry about, Modern Hosp, 2/62; The graduate programs and their alumni, Hospitals, 2/62 & The impact of the graduate programs in hospital administration, Hosp. Admin, spring 62. Address: National Center for Health Services Research & Development, Health Services & Mental Health Administration, Dept. Health, Education & Welfare, 9000 Rockville Pike, Bethesda, Md. 20014.
- MCCARTHY, DR. THOMAS NOBLE, b. Medford, Mass, July 24, 27; m. 58; c. 3. PSYCHOLOGY. A.B., Catholic Univ, 50, M.A., 52; Ph.D., Ottawa (Can), 56. Instr. PSYCHOL., LA SALLE COL., 52-56, asst. prof, 56-60, assoc. prof, 60-65, PROF., 65-, DIR. COUNSELING CENTER, 59-, asst. dir, 52-59. Lectr, St. Joseph's Hosp, Phila, 54-55; Chestnut Hill Col, 54-58. U.S.N., 45-46. Psychol. Asn; Soc. Sci. Study Relig; Personnel & Guid. Asn. Personality; vocational development; measurement of individual differences. Publ: Evaluation scientifique des aptitudes psychologiques y la vocation religieuse, La Vie Spirituelle Supplement; Understanding student behavior, Cath. Counsr; co-auth, Predictor variables and criteria of success in religious life, Cath. Psychol. Record, 63. Address: 205 Roberts Ave, Glen-side, Pa. 19038.
- MCCARTIN, ROSEMARIE, b. July 18, 26; U.S. citizen. PSYCHOLOGY, EDUCATION. B.A. Col. Great Falls, 55; M.A., Immaculate Heart Col, 60; Ph.D. (develop. psychol), Southern California, 64. Instr. ed, Seattle, 60-61; res. asst. PSYCHOL., center res. ment. retardation, Pac. State Hosp, Pomona, Calif, 63-64; asst. prof, SEATTLE, 64-67, ASSOC. PROF., 67- Vis. assoc. prof, Washington (Seattle), 65-67, consult, Tri-Univ. Proj. Elem. Ed, 68- Res. consult, Pac. State Hosp, Pomona, Calif, 66-68. Soc. Res. Child Develop; Psychol. Asn; Ed. Res. Asn. Developmental psychology of children and adolescents; characteristics and identification of the slow learner; behavior modification applied to school age children. Publ: Co-auth, Some usable divergent semantic tests for the kindergarten-primary level, Proc. Calif. Asn. Sch. Psychologists, 65, Identification and disposition of the mentally handicapped in the parochial school system, Am. J. Ment. Deficiency, 66 & An exploration of six semantic factors at first grade, Multivariate Behav. Res. J, 66. Address: Dept. of Psychology, Seattle University, Seattle, Wash. 98122.
- MCCARTNEY, DR. JAMES LEE, b. Omaha, Nebr, Aug. 15, 36; m. 61; c. 1. SOCIOLOGY. B.A., Nebraska, 58, M.A., 60; Ph.D. (sociol), Minnesota, 65. ASST. PROF. SOCIOL., MISSOURI, COLUMBIA, 65-, grad. res. coun. grant, 67. Consult, Mo. Correctional Insts, 67- Army Nat. Guard, 54-60. Sociol. Asn; Soc. Study Social Probs. Sociology of science; correlates of excellence in graduate education. Publ: Co-auth, Nebraska library community project, Am. Library Asn, 59; auth, The financing of sociological research: trends and consequences, In: The phenomenon of sociology, Appleton, (in press). Address: Dept. of Sociology, University of Missouri, Columbia, Mo. 65201.
- MCCARTNEY, DR. JAMES L. (INCOLN), Med, see 11th ed, Phys. & Biol. Vols.
- MCCARTNEY, PROF. KENNETH HALL, b. Winnipeg, Man, Aug. 28, 24; U.S. citizen; m. 51; c. 2. ECONOMICS. B.A., Manitoba, 45; M.A., Minnesota, 49, Ph.D. (econ), 59. Instr. ECON. sch. bus. admin, Minnesota, 47-51, 52-54; asst. prof, SMITH COL., 54-60, assoc. prof, 60-64, PROF., 64- Spec. lectr, McMaster, 51-52. Trade union development in United States and overseas; economics of social welfare policies. Address: Dept. of Economics, Smith College, Northampton, Mass. 01060.
- MCCARTY, DR. GERALD J. (JOSEPH), b. Waltham, Mass, Oct. 6, 29; m. 54; c. 3. CLINICAL PSYCHOLOGY. A.B., Boston Col, 51; M.A., Catholic Univ, 54, Ph.D. (clin. psychol), 56. Trainee clin. psychol, Vet. Admin. Training Prog, D.C., 51-55; asst. scientist psychol, U.S. Pub. Health Serv. Hosp, Fed. Penitentiary, Lewisburg, Pa, 55-56; asst. prof, Seattle, 56-57; private practice, 57-67; CO-DIR., SEATTLE POSTGRAD. INST. GROUP PSYCHOANAL., 67- Lectr, sch. commerce & finance, Seattle, 58. Consult, State Div. Voc. Rehab. & Child Guid. Clns, 57-; King County Juvenile Court, State Welfare Dept, 58-; Briscoe Sch. Boys. Dipl. Am. Bd. Exam. Prfnl. Psychol, 61. U.S.P.H.S., 55-56, Sr. Asst. Scientist. Psychol. Asn; fel. Group Psychother. Asn. Psychoanalysis in groups; use of telecommunication in psychoanalysis. Publ: Small group interaction and perceptual changes in a perceptual conflict situation, In: Perceptual changes in psychopathology. Address: 555 Medical Dental Bldg, Seattle, Wash. 98101.
- MCCARTY, PROF. HAROLD H. (ULL), b. Hiteman, Iowa, Sept. 10, 01; m. 24; c. 2. GEOGRAPHY. Ph.D. (econ), Iowa, 29. PROF. GEOG., IOWA, 23- Vis. prof, Canterbury, 62-63. Consult, State Planning Bd, 35-40; Nat. Resources Planning Bd, 40. AAAS; Asn. Am. Geog; Am. Geog. Soc. Economic geography of United States; location of manufacturing; industrial migration in the United States; geographic theory and taxonomy. Publ: Co-auth, The measurement of association in industrial geography, Visual comparison of isopleth maps as a means of determining correlations between spatially distributed phenomena & A preface to economic geography, Prentice-Hall, 66. Address: Dept. of Geography, University of Iowa, Iowa City, Iowa 52240.
- MCCARY, PROF. JAMES LESLIE, b. Winkler, Tex, Apr. 5, 19; m. 38; c. 2. PSYCHOLOGY. B.S., North Texas State, 40; M.S., Houston, 42; Pittsburgh, 46-47; Ph.D., Texas, 48. Res. PSYCHOL., West. State Psychiat. Inst, 46-47; instr, Texas, 47-48; assoc. prof, HOUSTON, 48-52; PROF., 52- Lectr, med. sch, Texas, 60- Chief psychologist, Oak Place Hosp. & Alameda Clin, 48- Dipl. Am. Bd. Exam. Prfnl. Psychol, 60. U.S.N., 42-45, Res, 45-, Lt. Comdr. Psychol. Asn; Soc. Clin. & Exp. Hypnosis. Frustration and aggression. Publ: Six approaches to psychotherapy; Introduction to sexology, Pierre St. LeMacs, 65; Human sexuality, Van Nostrand, 67. Address: Dept. of Psychology, University of Houston, Houston, Tex. 77004.
- MCCAULEY, DR. JOHN S. (COTT), b. LaCrosse, Wis; m. 54. ECONOMICS. B.A., Wisconsin, 39, M.A., 40; Littauer fel, Harvard, 42, Ph.D. (econ), 52. Economist, U.S. DEPT. LABOR, 41-54, chief res. & statist, bur. apprenticeship, 54-62, dir. off. manpower develop & utilization, U.S. EMPLOY. SERV., BUR. EMPLOY. SECURITY, 62-67, SPEC. ASST. MANPOWER PROG. DEVELOP, 67- Vis. prof, sch. indust. & labor rels, Cornell, 60-61, 62. U.S.A., 42-46. Personnel & Guid. Asn; Indust. Rel. Res. Asn. Labor market; relation of various patterns of employment to the acquisition of skill; training. Publ: Follow-up study of former apprentices; Manpower development in rural areas, Employ. Serv. Rev, 3-4/68. Address: 2903 Arizona Ave. N.W., Washington, D.C. 20016.
- MCCAULEY, PROF. J. (JOSEPH) ARDERY, b. Harrison Co, Ky, July 20, 10; m. 36; c. 3. JOURNALISM. B.J., Missouri, 30; A.M., Kentucky, 48. Teacher, high schs, Ky, 31-38; ed. weekly newspapers, Cynthia & Lancaster, 38-42; MEM. ED. STAFF, LEXINGTON HERALD, 42-; ASSOC. PROF. JOURNALISM, KENTUCKY, 47-, ASSOC. DIR. DEPT., 67- Asn. Ed. Journalism. News and editorial writing. Publ: Stylebook and news manual, Univ. Kentucky, 61; co-auth, Modern journalism, Pitman, 62. Address: Dept. of Journalism, University of Kentucky, Lexington, Ky. 40506.
- MCCAULLEY, DR. MARY HAWLEY, b. Perry, N.Y., Apr. 8, 20; m. 42. CLINICAL PSYCHOLOGY. B.A., Rochester, 42; M.A., Temple, 57, Nat. Inst. Ment. Health fel, 61-62, Ph.D. (psychol), 64. Teacher, high sch, N.J., 43-44; commun. caseworker, Am. Red Cross, 45-48; personnel asst, Provident Mutual Life Ins. Co. Phila, 48-60; instr. psychiat, Jefferson Med. Col; ASST. PROF. CLIN. PSYCHOL., COL. HEALTH RELATED PROFESSIONS, FLORIDA, 64- Psychol. Asn; Sociol. Asn; Nat. Coun. Family Rel; Soc. Sci. Study Sex. Personality development; psychology of pregnancy and motherhood; psychology of women; human sexuality; training of non-professional psychological personnel; masculinity-femininity. Address: College of Health Related Professions, University of Florida, Gainesville, Fla. 32601.
- MCCAW, PROF. W. (WILLIAM) RALPH, b. Picton, Ont, Oct. 8, 27; m. 55; c. 3. PSYCHOLOGY. B.A., Western Ontario, 51, M.A., Northwestern, 53, Ph.D., 56. Teacher, pub. schs, Ont, 45-56; psychologist, Markham & Vaughan, 56-58; sch. psychologist, Toronto Bd. Ed, 58-60; PROF. ED. JERSEY CITY STATE COL., 60-, CONSULT. ED. DEVELOP. CLIN., 66-, dir. Psychol. Clin, 60-63. Psychol. Asn. Non-institutional training of retarded children. Publ: Curriculum for the severely mentally retarded, Am. J. Ment. Deficiency; Reading without grouping, In: The reading teacher; Cognitive dissonance and teachers in training, J. Exp. Ed, summer 67. Address: 140 Demarest Ave, Bloomfield, N.J. 07003.
- MACCHITELLI, DR. FRANK J., b. Chicago, Ill, Aug. 20, 37; m. 64. EXPERIMENTAL PSYCHOLOGY. B.S., Loyola (Ill), 59, Ph.D. (psychol), 64. STAFF PSYCHOLOGIST, HINES VET. ADMIN. HOSP., 66- Med. Serv. C., U.S.A., 63-66, Capt. Psychol. Asn. Psychodiagnostics; industrial and group therapy. Address: 2441 N. Meade Ave, Chicago, Ill. 60639.
- MCCLAIR, DR. RUSSELL H. (ARDING), U.S. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MCCLARY, DR. ANDREW, Zool, Anthropol, see 11th ed, Phys. & Biol. Vols.
- MACCLARY, WILLIAM BUTNER, b. Pueblo, Colo, Feb. 5, 13; m. 41; c. 3. ECONOMICS. B.A., Colo. State Col, 39; M.A., Colo. Col, 51; Denver, 56. Instr. consumer econ, Colo. State Col, 39-41; assoc. prof, ECON. SOUTH. COLO. STATE COL., 63-66, CHMN. DEPT., 66- U.S.A.F., 41-45, Res, 45-65, Lt. Col. Econ. Asn. Finance; stock exchange. Address: Dept. of Economics, Southern Colorado State College, Pueblo, Colo. 81005.
- MCCLEARN, PROF. GERALD E. (UGENE), b. Sandy Lake, Pa, July 28, 27; m. 48; c. 3. PSYCHOLOGY. B.S., Allegheny Col, 51; M.S., Wisconsin, 53, Ph.D., 54. Instr. PSYCHOL., Yale, 54-55; asst. prof, Allegheny Col, 55-56; from asst. prof. to assoc. prof, California, Berkeley, 56-65; COLORADO, 65-67, PROF. & DIR. INST. BEHAV. GENETICS, 67- Chmn. cmt. biol. bases social behav, Soc. Sci. Res. Coun, 66- U.S.C.G., 46-47. AAAS; Genetic Asn; Genetics Soc. Behavioral genetics; comparative psychology; learning. Publ: Genetics of mouse behavior in novel situations; Genotype and mouse activity; co-auth, Genetic factors in alcohol preference of laboratory mice, J. Comp. Physiol. Psychol. Address: Dept. of Psychology, University of Colorado, Boulder, Colo. 80302.
- MCCLEARY, PROF. ROBERT A. (LWIG), b. Dayton, Ohio, Jan. 9, 23; m. 45; c. 3. PSYCHOLOGY. B.A., Harvard, 44; M.D., Hopkins, 47, Ph.D. (psychol), 51. Instr. psychol, Hopkins, 50-51; asst. prof, Michigan, 53-57, assoc. prof, 57-61; PROF. PSYCHOL. & PHYSIOL., CHICAGO, 61- U.S. Pub. Health Serv. fel, 54-55. U.S.A.F., 51-53, Capt. Psychol. Asn; Psychonomic Soc. Physiological psychology. Publ: Taste and post-ingestion factors in specific hunger behavior; Response specificity in the behavioral effects of limbic system lesions in the cat; Type of response as a factor in interocular transfer in the fish. Address: Faculty Box 184, University of Chicago, Chicago, Ill. 60637.
- MCCLEERY, DR. RICHARD, b. Buffalo, N.Y., Aug. 16, 22; m. 49; c. 1. POLITICAL SCIENCE. B.A., Hawaii, 50; M.A., Syracuse, 53; fel, North Carolina, 54-55, Ph.D., 56. Instr. polit. sci, North Carolina, 55-56; Mich. State, 56-58; asst. prof. POLIT. SCI., ANTIOCH COL., 58-64, ASSOC. PROF., 64- Dir. curriculum, Kauai Community Col, 67- Consult, Hawaii Prison Syst, 54- Mem. cmt. res. in correctional agencies, Soc. Sci. Res. Coun, 55-58. U.S.A., 40-45. Polit. Sci. Asn. Administration; political behavior and theory. Publ: The strange journey; co-auth, Theoretical studies in social organization of the prison; auth, Equality and power, In: Comparative politics and political theory, Univ. North Carolina, 68. Address: Dept. of Political Science, Antioch College, Yellow Springs, Ohio 54387.
- MCCLEERY, DEAN ROBERT L. (EE), b. Denver, Colo, Feb. 9, 24; m. 49; c. 4. COUNSELING, EDUCATIONAL PSYCHOLOGY. B.A., Denver, 49, M.A., 50; Ed.D., Nebraska, 57; summer, California, Los Angeles, 61. Dir. guid. pub. schs, Nebr, 50-54; dir. testing & voc. servs, Denison, 54-57; counseling psychologist, psychol. consult. servs, Denver, 57-60, asst. dean students, 60-63; DEAN STUDENTS & ASSOC. PROF. PSYCHOL. & ED, WHITWORTH

COL.(WASH), 63- U.S.N.R, 42-46. Psychol. Asn; Personnel & Guid. Asn. Student personnel administration; counseling psychology; concept of developmental tasks. Publ: McCleery scale of adolescent development; Formula-tion of a scale to evaluate the concern of high school boys for the solution of the developmental tasks appropriate to adolescence. Address: Office of Student Personnel Services, Whitworth College, Spokane, Wash. 99218.

McCLELLAN, PROF. CATHARINE, b. York, Pa, Mar. 1, 21. ANTHROPOLOGY. A.B. Bryn Mawr Col, 42; Ph.D.(anthrop), California, 50. Adv. Nat. Mus. Can, 50-51; vis. asst. prof. ANTHROP, Missouri, 52; asst. prof. Wash-ington (Seattle), 52-56; asst. prof. & chmn. dept. Barnard Col, Columbia, 56-61; assoc. prof. WISCONSIN, 61-65, PROF, 65- Vis. lectr. Bryn Mawr Col, 54. Consult. arctic health res. center, U.S. Pub. Health Serv, 56. U.S.N.R, 42-46, Lt. Fel. AAAS; fel. Anthropol. Asn; Ethnol. Soc.(secy-treas, 58, pres, 65); Soc. Am. Archaeol; fel. Royal Anthropol. Inst. Archaeology and ethnology of northwestern North America. Address: Dept. of Anthropology, University of Wisconsin, Madison, Wis. 53706.

McCLELLAN, GRANT (SAMUEL), b. Stratton, Nebr, Nov. 16, 14; m. 52; c. 2. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. A.B. Nebraska, 36; cert. London, 37; Columbia, 37-38; George Washington, 40-41. Res. assoc. U.K. Brit. Commonwealth & econ. affairs, For. Policy Asn, N.Y., 44-48; for. affairs analyst, intel. off. U.S. Dept. State, D.C. 48-53; ed-in-charge, U.S. in World Affairs, Coun. For. Rels, N.Y., 53-54; v-pres. Assoc. For. Int. Res. Inc, 54-56; For. Policy Asn, 58-61; assoc. ed. CURRENT MAG, 61-65, ED. 65- Teacher, Hunter Col, 44-46. U.S.A.A.F, 42-43, 2nd Lt. Polit. Sci. Asn. Behavioral sciences; political theory; foreign affairs. Publ: South Africa, land of conflicts & Britain's crisis and American aid, For. Policy Report. Address: 320 Riverside Dr, New York, N.Y. 10025.

McCLELLAN, DR. JAMES PAUL, b. Erie, Pa, June 26, 37; m. 59; c. 1. PO-LITICAL SCIENCE. B.A. Alabama, 60; Ph.D.(polit. sci), Virginia, 64. Instr. Am. govt. Virginia, summer 64; ASST. PROF. POLIT. SCI, Alabama, 64-65; EMORY, 65- U.S.M.C.R, 58-64. Polit. Sci. Asn; Orgn. Am. His-torians. Constitutional law and history; jurisprudence; American politics. Publ: Co-auth. The political principles of Robert A. Taft, Fleet, 67. Ad-dress: Dept. of Political Science, Emory University, Atlanta, Ga. 30322.

McCLELLAN, DR. WOODFORD D, Mod. Russian & East. European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

McCLELLAND, PROF. CHARLES A (RMOR), Int. Rels, see 10th ed, Soc. & Behav. Vols. Latest known address: 30141 Via Victoria, Palos Verdes Peninsula, Calif. 90274.

McCLELLAND, PROF. DAVID C (LARENCE), b. Mt. Vernon, N.Y., May 20, 17; m. 38; c. 5. PSYCHOLOGY. A.B. Wesleyan, 38, hon. Sc.D, 57; M.A. Mis-souri, 39; Ph.D.(psychol), Yale, 41; hon. M.A. Harvard, 56; hon. D.Phil, Mainz, 58; hon. LL.D, MacMurray Col, 63. Instr. PSYCHOL, Conn. Col, 41-42; Wesleyan, 42-45, asst. prof, 45-48, assoc. prof, 48-53, prof, 53-56, chmn. dept, 46-56; PROF, HARVARD, 56-, chmn. dept. soc. rels, 62-67. Lectr. Bryn Mawr Col, 44-45; dep. dir. behav. scis. div, Ford Found, 52-53; Guggenheim fel, 59. Mem. Fulbright Adv. Panel Psychol, 53-56; training grants cmt. clin. psychol, Nat. Inst. Ment. Health, 56-61. Fel. Psychol. Asn; fel. Am. Acad. Arts & Sci. Human motivation; imagination; socializa-tion. Publ: Ed. Studies in motivation, Personality & Achieving society. Ad-dress: 1530 William James Hall, Harvard University, Cambridge, Mass. 02138.

McCLELLAND, PROF. HAROLD F (RANKLIN), b. Omaha, Nebr, Mar. 8, 18; m. 41; c. 3. ECONOMICS. B.A. Hastings Col, 39; M.A. Nebraska, 40; Sloan fel, Denver, 40-42, M.S. 42; fel. Harvard, 57-58, Ph.D. 60. Asst. econ. Ne-braska, 39-40; mem. res. staff, Govt. Res. Inst, Mo, 42-43; treas. McClel-land-Rose Motors, Inc, 47-55; instr. ECON, CLAREMONT MEN'S COL, 58-59, asst. prof, 59-63, assoc. prof, 63-66, PROF, 66-, DEAN FACULTY, 63-, dir. tax seminar, 61, 64. Dir. Nebr. Legis. Coun. Tax Study, 62. U.S.N.R, 43-46, Lt. Econ. Asn. Taxation; intergovernmental relations. Publ: State and local finance, Nebraska, Nebr. Legis. Coun, 62; Tax aspects of the vari-able annuity, Nat. Tax J; Financing decentralization, In: Essays in federal-ism. Address: Dept. of Economics, Claremont Men's College, Claremont, Calif. 91711.

McCLELLAND, PROF. JAMES N (EWELL), b. Des Moines, Iowa, Sept. 7, 16; m. 40; c. 3. EDUCATIONAL & INDUSTRIAL PSYCHOLOGY. A.B. Drake, 38. M.A. 39, Ph.D.(ed. psychol), California, 50. From instr. to asst. prof. math, Drake, 40-44; asst. physics, Calif. Inst. Tech, 44-45; asst. supvr. projectile group, Naval Ord. Test Sta, 45-46; res. instr. oncol. sch. med. California, 48-51; training specialist, Norair Div, Northrop Corp, 51-52, supvr, 52-54, chief, 54-59; asst. prof. PSYCHOL, CALIF. STATE COL. LONG BEACH, 59-62, assoc. prof, 62-66, PROF, 66- Distinguished teach-ing award, Calif. State Colls, 67. AAAS; Psychol. Asn; Psychomet. Soc. Vocational testing. Publ: Co-auth. Cancer learning in the medical school, Univ. California, co-auth. Basic statistical concepts, Scott, 63 & Achieve-ment examination in the subject of cancer for medical school students, Pub. Health Reports, 6/51. Address: Dept. of Psychology, California State Col-lege, 6101 E. Seventh St, Long Beach, Calif. 90804.

McCLELLAND, DR. SAMUEL D, b. Mamaroneck, N.Y., Aug. 4, 14; m. 39; c. 2. PSYCHOLOGY. B.S. Fordham, 35, fel. 35-37, M.A. 38, Ph.D.(exp. psychol), 51. Instr. psychol, Fordham, 36-39; dir. curriculum & res, Hq. Air Force Reserve Officers' Training Corps, Air Univ, 51-53; res. assoc. BUR. ED. PROG. RES. & STATIST, NEW YORK CITY BD. ED, 53-59, ASST. DIR, 60- Asst. prof, Manhattanville Col, 39-59; adj. prof, Fordham, 56- U.S.A.F, 41-45, 51-52, Res, 52-, Lt. Col. Psychol. Asn; Ed. Res. Asn. Ed-ucational and psychological research; military psychology; administration. Address: Bureau of Educational Research, Board of Education of the City of New York, 110 Livingston St, Brooklyn, N.Y. 11201.

McCLELLAND, DR. WILLIAM AGNEW, b. New York, N.Y., Nov. 8, 18; m. 42; c. 2. PSYCHOLOGY. A.B. Brown, 41; M.A. Minnesota, 46, Ph.D.(psychol), 48. Asst. psychol, Minnesota, 41-42, instr, 46-48; asst. prof, Brown, 48-

51; res. psychologist, U.S. Dept. Air Force, 51-55; dir. res. training meth-ods div, HUMRRO, GEORGE WASHINGTON, 55-60, dep. dir, 60-64, ASSOC. DIR, 64-, PROF. LECTR. PSYCHOL, UNIV, 66- Cmmr. Sci. Manpower Cmn, 59-63. U.S.A.A.F, 42-46, Capt. Fel. AAAS; fel. Psychol. Asn; Psy-chonomic Soc. Training methods; proficiency analysis; research and ad-ministration. Address: Human Resources Research Office, George Wash-ington University, 300 N. Washington St, Alexandria, Va. 22314.

McCLELLAND, DR. WILLIAM JOHN, b. Toronto, Ont, May 28, 31; m. 55; c. 2. CLINICAL PSYCHOLOGY. B.A. Toronto, 54, M.A. 55; Ph.D.(psychol), Lon-don, 58. Staff psychologist, Ont. Hosp. St. Thomas, 55-56, ment. health clin, 58-59, chief psychologist, hosp, 59-60; res. fel. Runwell Hosp, Eng, 56-58; asst. prof. PSYCHOL, WESTERN ONTARIO, 60-65, ASSOC. PROF, 65-, ASST. DEAN FACULTY GRAD. STUDIES, 67- Consult. Ont. Hosp, 60- Am. Psychol. Asn; assoc. mem. Can. Psychol. Asn. Psychopathology; schizo-phrenia; comparative psychology; effects of early experience; graphic sym-bolism; experimental aesthetics. Address: Dept. of Psychology, University of Western Ontario, London, Ont, Can.

McCLINTIC, PROF. JOSEPH ORACE, b. Mo, Oct. 7, 02; m. 25; c. 1. ECO-NOMICS. A.B. Cent. Col.(Mo), 24; A.M. Missouri, 27; Ph.D.(econ), Wiscon-sin, 40. Chmn. high sch, Okla, 27-30; teacher ECON, Pasadena City Col, 30-45; asst. prof, Southern California, 45-46; PROF, SAN DIEGO STATE COL, 46- Sr. economist, U.S. Govt, 42-43. Econ. Asn. Public finance; government and the economy; economic growth; history of economic thought. Publ: California's ability to finance higher education, Nat. Tax J; TVA and the taxpayer: fact and fiction & Practical limits of taxation, Proc. West. Econ. Asn. Address: Dept. of Economics, San Diego State College, San Diego, Calif. 92115.

McCLINTOCK, DR. CHARLES G (RAHAM), b. Brooklyn, N.Y., Dec. 13, 29; m. 52; c. 2. PSYCHOLOGY. B.A. Oberlin Col, 51; M.A. Michigan, 52, Ph.D. (soc. psychol), 57. Instr. PSYCHOL, CALIFORNIA, SANTA BARBARA, 56-58, asst. prof, 58-64, ASSOC. PROF, 64- Fulbright res. fel. Belgium, 63-64; Nat. Insts. Health spec. res. fel, Greece, 67-68. Consult. TEMPO, 56-; Gen. Elec. Co, Calif, 56- AAAS; Psychol. Asn; Psychonomic Soc; Soc. Psy-chol. Study Social Issues. Attitude change; small groups; communication; decision making. Address: Dept. of Psychology, University of California, Santa Barbara, Calif. 93106.

McCLINTOCK, PROF. JAMES A (LFRED), b. Cherokee, Iowa, Apr. 1, 03; m. 28; c. 3. PSYCHOLOGY. B.A. Willamette, 27; M.A. N.Y. Univ, 30; B.D. Drew, 30, fel. 30-31, Ph.D.(relig), 34; summers, Columbia, 33, 35; City Col. New York, 46-47. Minister, Livingston, N.J., 28-34; instr. PSYCHOL, DREW, 31-32, asst. prof, 32-38, assoc. prof, 38-43, PROF, 43-, DIR. COUNSELING CENTER, 60-, personnel, 32-60. Vis. lectr. Newark Col. Eng, 53-59; Fulbright scholar, Delhi, 66-67. Dipl. Am. Bd. Exam. Prnl. Psy-chol, 49. U.S.N.R, Lt. Comdr. Fel. Psychol. Asn. Secondary and college personnel procedures; counseling techniques. Publ: Personnel procedures in the secondary school. Address: Dept. of Psychology, Drew University, Madison, N.J. 07940.

McCLINTOCK, DR. ROBERT E (DGAR), b. Abbeville, S.C., May 22, 30. EDU-CATIONAL PSYCHOLOGY. B.S. South Carolina, 51; M.A. Peabody Col, 52, Ph.D. 61. Instr. math, Brevard Col, 52-53; Mid. Tenn. State Col, 55-56; asst. prof. psychol, Peay State Col, 57-60; dir. div. instrn. res, Maryland, 60-67; ASSOC. PROF. STATIST. & MEASUREMENT, HOUSTON, 67- Res. assoc. State Cmn. Expansion Higher Ed, Md, 62. U.S.A. 53-55. Psychol. Asn; Statist. Asn; Psychomet. Soc. Applied statistics; research design; measurement theory. Publ: Tendencies of children to continue task re-sponses; Early failures in life testing: college attrition. Address: College of Education, University of Houston, Houston, Tex. 77017.

McCLOSKEY, PROF. ROBERT G (REEN), b. Wisconsin Rapids, Wis, Jan. 8, 16; m. 41; c. 3. POLITICAL SCIENCE. B.A. Wisconsin, 42; M.A. Michigan, 44; M.P.A. Harvard, 46, Ph.D. 48. Instr. POLIT. SCI, HARVARD, 48-49, asst. prof, 49-53, assoc. prof, 53-58, PROF, 58- Vis. prof, Stanford, 65-66. American constitutional law, political thought and national government. Publ: American conservatism in the age of enterprise; American Supreme Court; ed. Essays in constitutional law. Address: Dept. of Political Sci-ence, 233 Littauer Center, Harvard University, Cambridge, Mass. 02138.

McCLUER, DR. F (RANC) L (EWIS), b. O'Fallon, Mo, Mar. 27, 96. SOCIOLO-GY. A.B. Westminster Col, 16, A.M. 20, LL.D. 47, Ph.D. Chicago, 28; LL.D. Washington (St. Louis), 55, Waynesburg Col, 66, Missouri, 66, Linden-wood Col, 66. Rice prof. social. & econ, Westminster Col, 20-33, pres, 33-47; pres, LINDENWOOD COL, 47-66, EMER. PRES, 66- Trustee, Louis-ville Theol. Sem, 38-46; del. Mo. State Constitutional Convention, 43-44; mem. Mo. Children's Code Cmn, 46; Mo. Cmn. on Human Rights. Green Found. lect, Westminster Col, 68. Standard of living. Address: 1022 Jef-ferson St, St. Charles, Mo. 63301.

McCLUGGAGE, PROF. MARSTON M (ARTEL), b. Douglass, Kans, June 7, 06; m. 28. SOCIOLOGY. A.B. Col. Emporia, 28; A.M. Kansas, 31, Ph.D. 41. Instr. SOCIOL, KANSAS, 38-41, asst. prof, 41-47, assoc. prof, 47-52, PROF, 52- Fel. bus. sch, Harvard, 47-48. U.S.N.R, 43-46, Lt. Sociol. Asn. Collec-tive behavior; clinical approach to human relations; criminology; organi-zational behavior. Publ: Collab. Development of collective enterprise in the United States; co-auth. Parole research in Kansas, Dept. Sociol, Univ. Kan-sas, 62 & Community adjustment: Salina, Kansas, U.S. Govt. Printing Off, 68. Address: Dept. of Sociology, University of Kansas, Lawrence, Kans. 66044.

McCLUNG, DR. F (RANKLIN) B (ENE), Psychol, see 10th ed, Soc. & Behav. Vols.

McCLURE, DR. JOHN ALLAN, b. Assumption, Ill, Jan. 26, 07; m. 32; c. 3. INDUSTRIAL EDUCATION. B.S. Illinois, 33, M.S. 37; fel. & Ph.D.(indust. psychol), Purdue, 46. Instr. Eastern Illinois, 38-39; Purdue, 39-40; conf. leader, B.F. Goodrich Co, Ohio, 40-42; prof. mgt. & chmn. dept, Akron, 42-46; chmn. dept. mgt, Rutgers, 46-50; prof. indust. arts, California, Santa

Barbara, 50-63; RESEARCHER INDUST. ED, CALIFORNIA, BERKELEY, 63- Psychological testing; development and standardization of a new type test of peripheral vision. Address: School of Education, University of California, Berkeley, Calif. 94720.

McCLURE, PROF. JOHN H(UNTER), Econ, Bus. Law, see 10th ed, Soc. & Behav. Vols.

McCLURE, DR. PETER JOSEPH, b. Lafayette, Ind, Dec. 30, 36; m. 67. BUSINESS ADMINISTRATION, MARKETING. B.S.M.E, Purdue, 58; M.B.A, Indiana, 59, D.B.A, 66. Sales engr, Cummins Engine Co, 60-61; ASST. PROF. MKT, BOSTON, 64- U.S.A.R, 59-60, 2nd Lt. Mkt. Asn. Consumer behavior; advertising research. Publ: Differences between retailers' and consumers' perceptions, J. Mkt. Res, 2/68. Address: Dept. of Marketing, Boston University, 232 Bay State Rd, Boston, Mass. 02215.

McCLUSKY, PROF. HOWARD YALE, b. Whitesboro, N.Y, Feb. 20, 00; m. 30; c. 3. EDUCATIONAL PSYCHOLOGY. A.B, Park Col, 21, LL.D, 41; fel, Chicago, 23-24, Ph.D.(ed. psychol), 29; London, 33-34; LL.D, Parsons Col, 41. Instr. Eng, Park Acad, 21-22; instr. ED. PSYCHOL, MICHIGAN, 24-27, asst. prof, 27-34, assoc. prof, 34-39, PROF, 39-, asst. to v-pres. in adult ed, 39-44. Lectr, Ft. Leavenworth, 26; assoc. dir, Am. Youth Cmn, Am. Coun. Ed, 40-42; with mobilization br, Off. Civilian Defense, 42, consult, 42- Consult, Off. War Info, 42- Cmt. chmn, White House Conf. Rural Ed; mem, U.S. Nat. Cmn, UNESCO, 53- U.S.A, 17-19. Psychol. Asn; Adult Ed. Asn. U.S.(pres, 51). Emotional and social adjustment of youth; mental hygiene, especially in school situations; community adult education. Address: Dept. of Educational Psychology, College of Education, University of Michigan, Ann Arbor, Mich. 48104.

MACCOBY, PROF. ELEANOR E(MMONS), b. Tacoma, Wash, May 15, 17; m. 38. PSYCHOLOGY. A.B, Washington (Seattle), 39; M.A, Michigan, 49, Ph.D, 51. Study dir, surv. res. center, Michigan, 46-47; res. assoc, lab. human develop, Harvard, 50-58, lectr, soc. psychol, 51-58; assoc. prof. PSYCHOL, STANFORD, 58-66, PROF, 66- Psychol. Asn; Soc. Res. Child Develop. Child development; mass media. Publ: The development of sex differences, Stanford, 66; co-ed, Readings in social psychology; co-auth, Patterns of child rearing. Address: 729 Mayfield Ave, Stanford, Calif. 94305.

MACCOBY, DR. HERBERT, b. Cleveland, Ohio, May 16, 22; m. 50; c. 3. SOCIOLOGY. A.B, Western Reserve, 43; M.A, Columbia, 49, Ph.D.(sociol, ed), 55. Asst. prof. citizenship, Kansas State, 50-53, assoc. prof. sociol, 54-56; asst. res. sociologist to assoc. res. sociologist, Center Study Higher Ed, California, 57-61, lectr. soc. welfare & sociol, 59-61; assoc. res. prof. sociol, Pittsburgh, 61-63, assoc. prof, 62-65, assoc. prof. pub. affairs, 61-65; VIS. ASSOC. PROF. & LECTR. SOC. WELFARE, CALIFORNIA, BERKELEY, 64- Russell Sage Found. res. grant, 58. U.S.A, 43-46. Sociol. Asn. Political sociology; sociology of education; sociology of the professions; research design. Publ: Differential political activity of participants in a voluntary association & controversy, neutrality, and higher education, Am. Sociol. Rev; Cooperatives, ideology, and social class conflict, In: Estudios sociologicos, Nat. Univ. Mexico, 67. Address: School of Social Welfare, University of California, Berkeley, Calif. 94720.

MACCOBY, DR. MICHAEL, b. Mt. Vernon, N.Y, Mar. 5, 33; m. 59; c. 3. SOCIAL PSYCHOLOGY. B.A, Harvard, 54, univ. fel, 57-60, U.S. Pub. Health Serv. fel. & Ph.D.(soc. psychol), 60; Woodrow Wilson fel, Oxford, 54-55; Chicago, 55-56; Mex. Inst. Psychoanal, 60-64. Instr. soc. sci, Chicago, 55-56; secy. cmt. ed. policy, Harvard, 56-60; vis. prof. soc. psychol, Nat. Univ. Mexico, 60-61, U.S. Pub. Health Serv. res. fel, 60-63; LECTR. PSYCHOL, CALIFORNIA, SANTA CRUZ, 67- Summer lectr, Cornell Exp. Introd. Course Soc. Sci. sponsored by U.S. Off. Ed, 66; fel, Center Adv. Study Behav. Sci, 68-69. Psychol. Asn. Culture and character; child development; psychoanalysis; methods of studying character; education. Publ: Alcoholism in a Mexican village, Rev. Mex. Psychoanal, 64; On Mexican national character, Annals, 67; The Cornell introductory course in the social sciences; Harvard Ed. Rev, 67. Address: Apartado Postal 45, Cuernavaca, Morelos, Mex.

MACCOBY, PROF. NATHAN, b. London, Eng, Feb. 17, 12; nat; m. 38. PSYCHOLOGY. B.A, Reed Col, 33; M.A, Washington (Seattle), 38; Ph.D, Michigan, 50. Instr. dept. psychol, Oregon State Col, 39-40; exam, U.S. Civil Serv. Cmn, 40-42; chief personnel placement, Off. Price Admin, 45-47; study dir. surv. res. center, Michigan, 47-49; prof. psychol, Boston, 49-58, chmn. dept, 54-58, prof. opinion res. sch. pub. rels. & communications, 49-58, chmn. div, 51-58; vis. prof. psychol, communications & journalism, STANFORD, 58-59, PROF. MASS COMMUN. & RES. ASSOC. INST. COMMUN. RES, 59- Consult, Nat. Insts. Health, 58-62; Univ. Michigan Sch. Pub. Health, 62-66; Santa Clara County Off. Ed, 67- U.S.A, 43-45. Fel. AAAS; fel. Psychol. Asn; Asn. Pub. Opinion Res; Soc. Psychol. Study Social Issues. Psychology of communication. Publ: Co-auth, On resistance to persuasive communications, J. Abnorm. & Soc. Psychol, 4/64 & Improving accuracy in interpreting nonverbal cues of comprehension, Psychol. in Schs, 7/65; auth, Educational TV research in developing countries, In: Communication theory and research, C.C. Thomas, 67. Address: 729 Mayfield Ave, Stanford, Calif. 94305.

McCOLL, DR. ROBERT WILLIAM, b. San Diego, Calif, Sept. 2, 38; m. 59; c. 2. GEOGRAPHY. B.A, Pomona Col, 60; Ph.D.(geog), Washington (Seattle), 64. Asst. prof. geog, California, Santa Barbara, 63-66; GEOG. EAST ASIA, KANSAS, 66-68, ASSOC. PROF, 68- Asn. Asian Studies; Am. Geog. Soc; Asn. Am. Geog. Political geography and geography of east and southeast Asia; geographic basis of regionalism; political geography and geopolitics of revolutionary movements. Publ: Political geography as political ecology, Prinf. Geogr, 5/66; A political geography of revolution; China, Viet Nam and Thailand, Conflict/Resolution, 6/67; The Oytwan Soviet area, 1927-1932, J. Asian Studies, 11/67. Address: Dept. of Geography, University of Kansas, Lawrence, Kans. 66044.

McCOLLUM, PROF. IVAN N(EWTON), b. Ritzville, Wash, May 30, 05; m. 31; c. 2. PSYCHOLOGY. B.A, Cent. Wash. Col. Ed, 30; B.S, Oregon, 31, M.S, 32; Eastman fel, Iowa, 32-33; Stanford, 34; Ed.D.(ed. psychol), Colo. State Col, 40. Asst. psychol, Oregon, 30-32; supt. pub. schs, Ore, 33-37; Wash, 37-39; prof. psychol. & dean students, East. N.Mex. Col, 40-42; PROF. PSYCHOL, SAN DIEGO STATE COL, 46-, chmn. dept. psychol. & philos, 47-50, dean ed. servs, 50-51. Vis. prof, Canterbury, 65. Dipl, Am. Bd. Exam. Prinf. Psychol. U.S.A, 42-46, Maj. Fel. Am. Psychol. Asn; Int. Asn. Appl. Psychol. Personnel selection techniques; industrial psychology; teaching of psychology. Address: Dept. of Psychology, San Diego State College, San Diego, Calif. 92115.

McCOLLOUGH, DR. CELESTE F(AYE), b. Boulder, Colo, Sept. 12, 26. PSYCHOLOGY. B.A, Oberlin Col, 47; M.A, Michigan, 49; Ph.D, Columbia, 55. Asst. prof. PSYCHOL, Olivet Col, 54-56; OBERLIN COL, 56-65, ASSOC. PROF, 65- AAAS; Psychol. Asn. Physiological psychology; psychology of perception; psychological theory. Publ: Co-auth, Statistical concepts: a program for self-instruction, McGraw, 63; auth, Variation in width and position of Mach bands as a function of luminance, J. Exp. Psychol, 55 & The conditioning of color perception, Am. J. Psychol, 65. Address: Dept. of Psychology, Oberlin College, Oberlin, Ohio 44074.

McCOLLUM, DR. ERNEST L(ELAND), Psychol, see 10th ed, Soc. & Behav. Vols. Latest known address: R.R. 1, Box 61, Evless, Tex. 76039.

McCOMBS, DR. MAXWELL E, b. Birmingham, Ala, Dec. 3, 38; m. 65; c. 1. MASS COMMUNICATION. B.A, Tulane, 60; M.A, Stanford, 61, Ph.D.(mass commun. res), 66. ASST. PROF. JOURNALISM, California, Los Angeles, 66-67; NORTH CAROLINA, CHAPEL HILL, 67- U.S.A.R, 62-, 1st Lt. Asn. Ed. in Journalism; Asn. Pub. Opinion Res. Information-seeking behavior; mass communications and political behavior; learning from mass communication. Publ: Mass communication on the campus, Univ. California, Los Angeles Commun. Bd, 67; Chicago's television college, In: New educational media in action, UNESCO, 67. Address: Dept. of Journalism, University of North Carolina, Chapel Hill, N.C. 27514.

McCONAUGHY, PROF. JOHN B(OTHWELL), b. Rochelle, Ill, Mar. 1, 12. POLITICAL SCIENCE. A.B, Alabama, 33, A.M, 35; Ph.D, Chicago, 43. Instr. soc. sci, Minn. State Teachers Col, Duluth, 43-44; assoc. prof. POLIT. SCI, SOUTH CAROLINA, 44-65, PROF, 65- World Law Fund for high sch. soc. sci. teachers teaching grant, 63-67. Consult, World Law Fund, 66- Exec. dir, State Coun. World Affairs, S.C, 44- Polit. Sci. Asn; Soc. Int. Law. International affairs and law; psychology of politics. Publ: Political behavior, Soviet psychological warfare and Soviet psychological warfare in Latin America, Mil. Rev; co-auth, The influence of the S factor upon the voting behavior of South Carolina urban Negroes, In: Negro politics in America, Merrill, C.E, 67. Address: Dept. of Political Science, University of South Carolina, Columbia, S.C. 29208.

McCONE, DR. R(OBERT) CLYDE, b. Redfield, S.Dak, Sept. 30, 15; m. 43; c. 2. ANTHROPOLOGY, SOCIOLOGY. B.A, Wessington Springs Col, 46; M.S, S.Dak. State Col, 56; Ph.D, Mich. State, 61. Asst. rural sociol, S.Dak. State Col, 54-56, instr, 56-57; asst. sociol. & anthrop, Mich. State, 57-60, asst. instr, 60-61; ASSOC. PROF. ANTHROP, CALIF. STATE COL. LONG BEACH, 61-, Found. res. grants, 64-65, 66-67. Anthropol. Asn; Soc. Appl. Anthropol. Comparative study of the nature and development of different cultures; cultural factors in the development of theory in anthropology. Publ: Time concept, perspective and premise in the socio-cultural order of the Dakota Indians; Time and the Dakota's way of life; Cultural factors in crime among the Dakota Indians, Plains Anthropologist, 66. Address: Dept. of Anthropology, California State College at Long Beach, Long Beach, Calif. 90801.

McCONIHE, DR. ESTHER J(ULIA), b. Blue Island, Ill, Nov. 21, 00; m. 23; c. 1. PSYCHOLOGY. A.B, Oberlin Col, 22; M.A, Case Western Reserve, 49, Ph.D, 56. DIR. READING IMPROV. SERV, CASE WESTERN RESERVE, 53-, ASSOC. DIR. PSYCHOL. RES. SERV, 65-, ASST. PROF. PSYCHOL, 65-, clin. prof, 57-64. Secy, Nat. Reading Conf, 61-66. Psychol. Asn; Personnel & Guid. Asn. College achievement; study and adjustment problems of college students. Publ: Reading instruction in business and industry, In: Perspectives in Reading, Int. Reading Asn, 64; The outlook for college reading, Nat. Reading Conf. Proc, 5/67. Address: Psychological Research Services, Case Western Reserve University, 11105 Euclid Ave, Cleveland, Ohio 44106.

McCONKIE, DR. GEORGE WILSON), b. Holden, Utah, July 15, 37; m. 62; c. 4. EXPERIMENTAL PSYCHOLOGY. B.S, Brigham Young, 60, univ. fel, 60, M.S, 61; Nat. Sci. Found. fel, Stanford, 63, Ph.D.(exp. psychol), 66. ASST. PROF. PSYCHOL. & EXP. PSYCHOL, CORNELL, 64- Psychol. Asn. Learning and retention of verbal information; psycholinguistics; learning theory; applications to educational settings. Address: Dept. of Education, Cornell University, Ithaca, N.Y. 14850.

McCONNELL, PROF. CAMPBELL R, b. Harvey, Ill, June 2, 28; m. 55. ECONOMICS. B.A, Cornell Col, 50; M.A, Illinois, 51; Ph.D.(econ), Iowa, 53. Instr. ECON, Iowa, 51-53; asst. prof, NEBRASKA, 53-56, assoc. prof, 56-62, PROF, 62- Econ. Asn. Labor economics; economic theory; effectiveness of television in teaching economics; comparing performance of students who take elementary economics without class lectures with those who do. Publ: Economics: principles, problems and policies, 3rd ed, 66 & ed, Economic issues, 2nd ed, 66, McGraw; Social imbalance: where do we stand?, Quart. Rev. Econ. & Bus. Address: 7240 Lincolnshire Rd, Lincoln, Nebr. 68520.

McCONNELL, PROF. FREEMAN E(RTON), Audiol, see 11th ed, Phys. & Biol. Vols.

McCONNELL, PROF. GRANT, b. Portland, Ore, June 27, 15; m. 39; c. 2. POLITICAL SCIENCE. B.A, Reed Col, 37; Rhodes scholar, 38; Ph.D, California, 52. From lectr. to asst. prof. POLIT. SCI, California, 51-57; assoc. prof, CHICAGO, 57-64, PROF, 64-, CHMN. DEPT, 67- U.S.N.R, 43-46, Lt. Polit. Sci. Asn. American government; public policy and pressure groups, especially agriculture and industrial relations; interest group politics; public policy; conservation. Publ: Decline of agrarian democracy, Univ.

California; Steel and the presidency, Norton, 63; Private power and American democracy, Knopf, 66. Address: Dept. of Political Science, University of Chicago, Chicago, Ill. 60637.

McCONNELL, PROF. JAMES VERNON, b. Okmulgee, Okla., Oct. 26, 25. EXPERIMENTAL PSYCHOLOGY. B.A. La. State, 47; M.A. Texas, 54. Ph.D. 56. Instr. psychol. Michigan, 56-58, asst. prof. 58-61; assoc. dir. Britannica Center Studies Learning & Motivation, 61-62; RES. PSYCHOLOGIST, MENT. HEALTH RES. INST. & PROF. PSYCHOL. MICHIGAN, 63- Consult. U.S. Dept. Defense, 58-59. Ed. & publisher, Worm Runner's Digest; J. Biol. Psychol. 66- U.S.N.R., 43-46, Ens. AAAS: Psychol. Asn; Animal Behavior Soc; Psychonomic Soc. Biochemistry of memory; invertebrate behavior; behavior theory. Publ: The worm re-turns, McGraw, 65; The search for the engram, Naturwissenschaft und Medizin, 65; Learning in invertebrates, Ann. Rev. Physiol. 66. Address: Box 644, Ann Arbor, Mich. 48107.

McCONNELL, PROF. J(OHN) PAUL, b. Milligan, Tenn., Dec. 3, 98. SOCIAL SCIENCE. A.B. Lynchburg Col., 21; A.M. Col. William & Mary, 23; Ph.D. North Carolina, 31; Edinburgh, 36-37. Prof. ed. & hist. Va. State Teachers Col., East Radford, 23-27; asst. inst. res. soc. sci. North Carolina, 28-30; prof. soc. sci. YMCA Grad. Sch., 30-36; from prof. econ. & social. to PROF. SOCIOL. RANDOLPH-MACON COL., 37- AAAS; Sociol. Asn. After prison life of released white criminals in North Carolina; population. Address: Division of Social Sciences, Randolph-Macon College, Ashland, Va. 23005.

McCONNELL, PRES. JOHN W., b. Philadelphia, Pa., Oct. 18, 07; m. 33; c. 5. INDUSTRIAL RELATIONS. B.A. Dickinson Col., 29, hon. D.Sc. 59; Ph.D. Yale, 37; hon. LL.D. Rhode Island, 66; Ricker Col., 67. Instr. American Univ., Cairo, 29-32; asst. prof. econ. & sociol. American Univ. Wash., D.C., 37-39; prof. arts & sci., N.Y. Univ., 39-46; labor rels., Cornell, 46-63, dean, grad. sch., 55-59, sch. indust. & labor rels., 59-63; PRES. NEW HAMPSHIRE, 63- Fulbright lectr., India, 53-54. Labor rel. consult., Tenn. Valley Authority, 53- Pub. mem., Nat. War Labor Bd., 43-46; Regional Wage Stabilization Bd., 50-52; bd. mem., New Eng. Bd. Higher Ed., 63-; coun. mem., Nat. Inst. Child Health & Human Develop., 65-69. Civilian, adv. bd., Human Resources Res. & Develop. Bd., U.S.A.F., 47-53. AAAS; Sociol. Asn; Acad. Econ. & Polit. Sci.; Gerontol. Soc.; Acad. Arbit. Retirement policies and practices in American industries and other employment. Publ: Basic teaching of the great economists; co-auth. Economic security & Economic needs of older people. Address: 74 Main St., Durham, N.H. 03824.

McCONNELL, DR. OWEN LINK, b. Tampa, Fla., July 8, 33; m. 58; c. 2. PSYCHOLOGY. B.S. Duke, 57, U.S. Pub. Health Serv. fcls., 58-61, Ph.D. (psychol.), 63. Asst. prof. PSYCHOL. NORTH CAROLINA, 62-67, ASSOC. PROF., 67-; CHIEF PSYCHOLOGIST, CHILD PSYCHIAT. INST., MURDOCH CENTER DIAG. CLIN., 67-, clin., 62-67. Lectr., Ment. Retardation Training Inst., Butner, N.C., 65- Consult. div. child Psychiat., med. center, Duke, 61-62. U.S.A. 54-56. Psychol. Asn; Soc. Res. Child Develop. Child development; psychological reactions to pregnancy; concept learning in children; differential diagnosis of emotional and organic problems in children; personality correlates of responsiveness to various sources to behavioral control. Publ: Perceptual versus verbal mediation in the concept learning of children, Child Develop., 64; Koppitz's Bender-Gestalt scores in relation to organic and emotional problems in children, J. Clin. Psychol., 7/67; Personality correlates of responsiveness to social reinforcement in mental retardates, Am. J. Ment. Deficiency, 7/67. Address: Dept. of Psychology, University of North Carolina, Chapel Hill, N.C. 27515.

McCONNELL, DR. SHIRLEY, b. Philadelphia, Pa., Oct. 24, 26. CLINICAL PSYCHOLOGY. B.A. Pennsylvania, 48; Ed.M. Temple, 55, Ed.D. 59. Jr. soc. worker, Pa. Soc. Protect Children from Cruelty, 48-53; psychologist, Women's Med. Col. Hosp., 55-58; Bancroft Sch., 56-57; clin. psychologist, Burr. Child Care, 57-58; sr. clin. psychologist, Dayton Children's Psychiat. Hosp., Ohio, 58-60; chief psychologist, diag. & eval. center, Children's Hosp., 60-61; CHIEF CLIN. PSYCHOLOGIST, Camden Child Guid. Clin., N.J. 61-62; MENT. HEALTH CLIN. ABINGTON HOSP., Pa., 62- Clin. psychologist, United Cerebral Palsy Asn., Phila., 57-58; consult., Abington Sch. Dist. Pa., 66-67. Psychol. Asn; N.Y. Acad. Sci. Child psychotherapy; psychological testing of adults and children; adolescents; behavior problems. Address: 101 Mill Creek Rd., Ardmore, Pa. 19003.

McCONNELL, PROF. T(HOMAS) R(AYMOND), b. Mediapolis, Iowa, May 25, 01; m. c. 2. PSYCHOLOGY. A.B. Cornell Col., 24; A.M., Iowa, 28, Ph.D. (ed. psychol.), 33. Asst. prof. ed. Cornell Col., 28-30, prof. ed. & psychol. & dean col., 31-36; instr. ed., Iowa, 30-31; assoc. prof. ed. psychol., Minnesota, 36-37, prof. ed. psychol. & chmn. cmt. instrnl. res., 37-47, assoc. dean col. sci., lit. & arts, 40-44, dean, 44-50; chancellor, Buffalo, 50-54; PROF. HIGHER ED., CALIFORNIA, BERKELEY, 54-, CHMN. CENTER FOR STUDY HIGHER ED., 57- Chief consult., Restudy of Needs of State in Higher Ed., Calif., 54-55. Mem., President's Cmn. Higher Ed., 46-48; chmn. cmt. instr. & eval., Am. Coun. on Ed. Psychol. Asn; Ed. Res. Asn. (pres., 41). Psychology of learning; higher education. Publ: General pattern for American public higher education; co-auth. Psychology in everyday living & Educational psychology. Address: Dept. of Education, University of California, Berkeley, Calif. 94720.

McCONNEN, PROF. RICHARD J(OSEPH), b. Sidney, Mont., Apr. 22, 30; m. 60. AGRICULTURAL ECONOMICS. B.S., Mont. State Col., 52, M.S., 54; Ph.D., California, 60. Agr. economist, agr. res. serv., U.S. Dept. Agr., 56-58; asst. prof. agr. econ. & econ., Mont. State Col., 58-61; ECONOMIST, U.S. FOREST SERV., 61-66; ASSOC. PROF. ECON., MONTANA STATE, 66- Lectr., California, 57; Fulbright fel., An Foras Taluntais, Dublin, Ireland, 64-65. Chmn., WAERC Water Cmt., 68- U.S.A., 51-53, Res., 55-, 1st Lt. Econ. Asn; Agr. Econ. Asn. Application of quantitative techniques to economic problems, especially in agriculture and natural resources. Publ: Decision theory, climate variability and Best's short run management strategies, J. Farm Econ; Decision theory and range livestock operations; co-auth. Integrated use of ground and surface water—a linear programming study, Mont. State Univ. Agr. Exp. Sta. Bull., 67. Address: Dept. of Economics, Montana State University, Bozeman, Mont. 59715.

McCONNICKELL, DR. G(EORGE) STAPYLTON, b. Millinocket, Maine, July 1, 29. AGRICULTURAL ECONOMICS. Cornell, 49-51; Flummary fel., Wage-ning, 51-53; Swiss Fed. Inst. Tech., 53-54; D.Univ., Montpellier, 57. Res. & proj. asst., Twentyman Agr. Res. Inst., Stow-in-the-Wold, Eng., 57-59; agr. economist, Chippeelunit Corp., N.J., 59-65; AGR. ECONOMIST, 66- Consult., Food & Agr. Orgn., UN, 65-; Farm Credit Admin., 66- Land values; farm management and tenure; weather and agriculture; cost and efficiencies in agricultural production; domestic regulatory programs and price support programs; international agricultural policy and trade. Address: 15 Crane Rd., Darien, Conn. 06820.

McCONVILLE, JOHN T(HEODORE), Phys. Anthropol., see 11th ed, Phys. & Biol. Vols.

McCORD, PROF. FLETCHER, b. Augusta, Ga., Aug. 10, 02; m. 27; c. 1. PSYCHOLOGY. A.B. Mercer, 29; fel. Duke, 33-36, Ph.D. (psychol.), 38. Instr. journalism, Eng. & psychol., Mercer, 29-32; asst. prof. PSYCHOL. Kansas, 36-45; PROF. TULSA, 45- Vis. prof., Tulane, 50-51, res. assoc., Tulane Univ.-Off. Naval Res. Proj., 50-51. Consult., Vet. Admin., 45-46; U.S. Govt., D.C., 51-52. Dipl., Am. Bd. Exam. Prfnl. Psychol. AAAS; Psychol. Asn. Personality, structure and dynamics; higher thought processes, memory, perception, language, meaning and symbolization; social, ideologies, propaganda and morale. Publ: Measurement of adjustive eye-movements; Effect of frustration on hoarding in rats, J. Comp. Psychol.; Formation of group norms in waking suggestion, J. Soc. Psychol. Address: Dept. of Psychology, University of Tulsa, Tulsa, Okla. 74104.

McCORD, FRANK A(NDREW), Econ. Acct., see 10th ed, Soc. & Behav. Vols., deceased 67.

McCORD, DR. HALLACK H(AMILTON), b. Denver, Colo., Feb. 14, 19; div. PSYCHOLOGY. A.B. Denver, 45, M.A. 48 & 49, Ph.D. (commun.), 51; Colorado & Denver, 52-68. Study dir. opinion & mkt. res. Res. Servs., Inc., 48-49; pub. rels. dir., Denver area, Community Chest, 51-52; mgr. communication, Denver Res. Inst., 52-53; dir. ed., Laradon Hall Sch. Except. Children, Colo., 54-55; INSTR. APPL. COMMUNICATIONS, EXTEN. CENTER, COLORADO, 51-, consult. therapist, med. sch., 59. Speech therapist, pub. sch. syst. Colo., 55-58; psychologist, Colo. industries, Blind, 55-67; instr. Loreto Heights Col., 60-61; speech therapist St. Thomas Sem., 60-61; cert. instr. Am. Soc. Psychosom. Dent. & Med., 62-; co-ed., J. 63- Private practice, 51-; sr. psychologist, Falcon Res. & Develop. Co., 63-64; dir. McCord Commun. Serv., 64- Freelance mag. writer, 37- Dipl., Am. Bd. Exam. Psychol. Hypnosis, 61- With U.S.A.A.F. & Off. Strategic Serv., 43-46. Psychol. Asn; Soc. Clin. & Exp. Hypnosis; Speech & Hearing Asn; fel. Sociol. Asn; fel. Soc. Appl. Anthropol.; fel. Asn. Ment. Deficiency; fel. Soc. Clin. Hypnosis; Argentine Soc. Hypnother.; Int. Soc. Clin. & Exp. Hypnosis. Improving reading efficiency; raising measureable human intelligence quotient; hypnosis in space medicine; experimental projective techniques; motivation research; teaching medical hypnosis; public opinion research; special education; mental retardation; communication; suggestibility audiology. Publ: Was Titov hypnotized during flight, Missiles & Rockets, 4/62; Professional persons in prison, Corrective Psychiat. & J. Soc. Ther., 10/64; Use of psychological pencil-and-paper test to predict hypnotizability, J. Am. Soc. Psychosom. Dent. Med., 4/65. Address: Denver Extension Center, University of Colorado, 1100 14th St., Denver, Colo. 80202.

McCORD, PROF. WILLIAM MAXWELL, b. St. Louis, Mo., Oct. 24, 30; m. 51; c. 2. SOCIOLOGY. B.A. Stanford, 52; Woodrow Wilson fel., Harvard, 52-53, univ. fel., 53-55, Ph.D. (soc. sci.), 55. Instr. soc. psychol., Harvard, 55-58; assoc. prof. SOCIOL., Stanford, 58-65; LENA GOHLMAN FOX PROF., RICE, 65- Consult., President's Cmn. on Crime, 66; President's Cmn. on Civil Unrest, 67-; Nat. Inst. Ment. Health, 67- Social and personality psychology; social philosophy; political sociology. Publ: Origins of alcoholism; The springtime of freedom, Oxford Univ., 65; Mississippi: the long, hot summer, Norton, 65. Address: Dept. of Sociology, Rice University, Houston, Tex. 77001.

McCORKLE, PROF. CHESTER O(LIVER), JR., b. Gilroy, Calif., Jan. 18, 25; m. 45; c. 3. AGRICULTURAL ECONOMICS. B.S. California, 47, M.S., 48, Ph.D. (agr. econ.), 52. Asst. agr. econ., California, Berkeley, 47-48, asst. specialist, agr. exp. sta., 49-51; agr. economist, Bank of Am., Calif., 48-49; instr., AGR. ECON., CALIFORNIA, DAVIS, 51-52, asst. prof., 52-56, assoc. prof., 57-61, PROF., 61-, V.CHANCELLOR ACAD. AFFAIRS, 63- Consult., joint econ. cmt., 85th Cong., 57; state exp. stas. div., agr. res. serv., U.S. Dept. Agr., 57- Mem. tech. cmt., West. Regional Res. Proj., W-79, 66- U.S.M.C.R., 42-48, 51-52, Capt. Agr. Econ. Asn. Production economics; farm management; long term agricultural firm and regional adjustment; resource use and development; agricultural policy implications of agricultural adjustment; international agricultural development. Address: 724 Oeste Dr., Davis, Calif. 95616.

McCORKLE, PROF. STUART A(LEXANDER), b. Lexington, Va., Sept. 1, 03; m. 42. POLITICAL SCIENCE. A.B. Washington & Lee, 24, hon. LL.D., 64; M.A. Virginia, 28; Ph.D. Hopkins, 31. Instr. govt., Texas, 30-31; assoc. prof., Southwestern Col., 31-32; instr. govt., TEXAS, 32-34, assoc. prof., 34-41, PROF., 41-, dir. bur. munic. res., 37-50, inst. pub. affairs, 50-68. Vis. ed. counsr., Nat. Inst. Pub. Affairs, D.C., 41-42; spec. lectr., Maryland, 42; prin. adv., Off. Civilian Defense, 42-43; exec. dir., State Econ. Cmn., Texas, 51-52; prin. adv., Minnesota to Seoul Nat. Univ., Korea, 58-60; lectr., Col. of Europe, 64. Summers, lectr., Nat. Univ. Mex., 44 & 68; mem. staff, Univ. Illinois, 46. Mem., Austin City Coun., 49-51 & Mayor Pro Tem, 51-53. Consult., U.S. Army Air Force, 42. Nat. Munic. League; Polit. Sci. Asn; Soc. Pub. Admin.; Int. City Mgr. Asn. Publ: American municipal government and administration; co-auth. Texas government; Texas civics. Address: 3719 Gilbert St., Austin, Tex. 78703.

McCORKLE, DR. THOMAS, b. Tex., July 30, 14; m. 38; c. 3. ANTHROPOLOGY. Ph.D. California, 54. Instr. anthropol., California, 54-55; res. anthropologist, col. med., Iowa, 56-60; Pa. State Dept. of Health, 60-63; anthropologist, U.S. Pub. Health Serv., 63-65; ASSOC. PROF. ANTHROP., CALIF. STATE COL., LONG BEACH, 66- Fel. AAAS; fel. Anthropol. Asn. Modern peoples

- of Latin America; peoples of the United States; cultural patterns and health problems; socio-cultural change. Publ: Eye injuries, safety gear and values in Iowa farm life; Chiropractic: a deviant theory of disease and treatment; Fajardo's people, community persistence and cultural change in Northeastern Venezuela, Latin Am. Center, Univ. California, Los Angeles, 65. Address: Dept. of Anthropology, California State College at Long Beach, Long Beach, Calif. 90804.
- MCCORMACK, DR. JOHN H(UGH), b. Hartford, Conn, Oct. 21, 19; m. 50; c. 2. CLINICAL PSYCHOLOGY. A.B. St. Bernards Sem, 41; A.M., Fordham, 48, Ph.D.(psychol), 51. Clin. psychol. trainee, VET. ADMIN, 47-51, clin. psychologist, Regional Off. Ment. Hyg. Clin, Newark, N.J., 51-53, chief clin. psychologist, Kansas City, Mo., 53-59, area med. off., Columbus, Ohio, 59-61, DIR. PSYCHOL. SERVS, HOSP, SEPULVEDA, 61-, CLIN. ASSOC. PROF. PSYCHOL, CALIFORNIA, LOS ANGELES, 62- Instr. & lectr, Seton Hall, 48-53; lectr, Kansas, 53-; consult. psychologist, Essex County Asn. for Retarded Children, 50-53; clin. assoc. Southern California, 62. U.S.A. 43-46, 2nd Lt. Psychol. Asn. Development and deterioration of cognitive processes; deterioration in functional and organic psychoses. Address: 5923 Corbin Ave, Tarzana, Calif. 91356.
- MCCORMACK, DR. PETER D(EVEY), b. Ottawa, Ont, May 6, 31; m. 55. PSYCHOLOGY. B.A., Carleton (Can), 53; M.A., Delaware, 55; Ph.D.(psychol), Iowa, 57. Sci. serv. officer. PSYCHOL, Defence Res. Bd, Can, 57-60; asst. prof., Manitoba, 60-63; CARLETON (CAN), 63-64, ASSOC. PROF, 64- Nat. Res. Coun. Can. grant-in-aid, 61- AAAS; Am. Psychol. Asn.; Psychonomic Soc.; Can. Psychol. Asn. Learning; motivation; experimental design; perceptual vigilance; verbal learning and memory. Address: Dept. of Psychology, Carleton University, Ottawa 1, Ont, Can.
- MCCORMACK, DR. WILLIAM C(HARLES), b. Sutherland, Iowa, Mar. 31, 29; m. ANTHROPOLOGY, LINGUISTICS. A.B., Chicago, 48, Ford Found. fel, 53-54, Ph.D. 56; A.B. & A.M., Stanford, 50. Rockefeller Found. jr. ling. fel, Deccan Col, India, 56-58; res. anthropologist, California, 58-59; vis. lectr. anthrop, London, 59-60; asst. prof. anthrop. & Indian studies, Wisconsin, Madison, 60-64; ASSOC. PROF. ANTHROP, DUKE, 64-, Cmt. Int. Studies res. grant, Netherlands, 67-68. U.S. Off. Ed. Kannada lang. res. contract, 62-64; Fulbright-Hays summer res. award, India, 66. Ad-hoc mem. cultural anthrop. fel. review cmt, Nat. Inst. Ment. Health, 67. Fel. Am. Anthropol. Asn.; Asn. Asian Studies; Am. Oriental Soc.; Ling. Soc. Am.; Soc. Sci. Study Relig.; Polynesian Soc.; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland; Mythic Soc. India. Leadership and social organization; Virasaiva religious sect; Kannada language; Hindu law and caste structure; structural linguistics; social dialects in India; religious experience and literacy among European Calvinists. Publ: Forms of communication in Virasaiva religion, In: Traditional India: structure and change; Lingayats as a sect, J. Royal Anthropol. Inst, 63; Language and identity, Handbook Indian Civilization, 67. Address: Dept. of Anthropology, Duke University, Durham, N.C. 27706.
- MCCORMACK, DR. WILLIAM F, b. Douglas, Ariz, Oct. 28, 19. PSYCHOLOGY. B.A., California, Los Angeles, 42, M.A., 45, Ph.D., Berkeley, 58. Psychol. examiner, Los Angeles Detention Home, Calif, 45-46; instr. psychol, Oregon State, 49; Far East div, California, 51-52; clin. psychologist, Travis Airforce Hosp, Calif, 55-56, sr. psychologist, Agnew State Hosp, 57-58; asst. prof. psychol, San Jose State Col, 58-63; clin. psychologist, Valley Psychiat. Med. Clin, 63-64; CLIN. PSYCHOLOGIST, 64- Clin. psychologist, Adult & Child Guid. Clin, 56-59, chief clin. psychologist, 59-62. Consult, City of San Jose, 58-59, ment. health nurses, 67-68. Psychol. Asn. Mental health problems in a community; varying climates which are conducive to research. Address: 1871 The Alameda, San Jose, Calif. 95126.
- MCCORMICK, PROF. DAVID W(ILLIAMS), b. Cleveland, Ohio, May 29, 20; m. 51; c. 1. POLITICAL SCIENCE. B.A., Carleton Col, 42; M.P.A., Wayne State, 48; Ph.D.(polit. sci), Chicago, 61. Tech. aid, Detroit Off. Controller, 47-48; claims authorizer, Bur. Old Age & Survivors' Ins, 54-55; ASST. PROF. polit. sci, Upper Iowa, 56-57; soc. sci, Eastern Illinois, 57-60; GOVT, Idaho State, 60-63; TEXAS, ARLINGTON, 64- Mem, Idaho Adv. Cmt, U.S. Cmn. Civil Rights, 62-63. U.S.A. 42-46. Polit. Sci. Asn.; Soc. Pub. Admin. Political parties; public administration; constitutional law; American national government. Publ: Contrib. ed, Dictionary of Political Science, Philos. Library, 64. Address: Dept. of Government, University of Texas, Arlington, Tex. 76010.
- MCCORMICK, PROF. ERNEST J(AMES), b. Indianapolis, Ind, Aug. 22, 11; m. 36; c. 2. INDUSTRIAL PSYCHOLOGY. B.A., Ohio Wesleyan, 33; M.S., Purdue, 47, Ph.D.(psychol), 48. Chief occup. analyst, U.S. Bur. Census, 39-41; chief occup. statist, Selective Serv. Syst, 41-43; PROF. PSYCHOL, PURDUE, 48- Fulbright lectr, Cath. Univ. Sacred Heart, Milan, 64-65, hon. pres. center ergonomic studies, 66- Consult, sci. adv. panel, U.S. Dept. Army, 63-, mem, 59-63; mem. res. & eng. adv. coun, U.S. Post Off. Dept, 67- Franklin V. Taylor award, Soc. Eng. Psychologists, 66. Dipl. Am. Bd. Exam. Prfnl. Psychol, 50. U.S.N.R., 43-47, Lt. Comdr. Fel. Psychol. Asn.(James McKeen Cattell award, 64); Human Factors Soc. Job analysis; personnel and engineering psychology. Publ: Co-auth, Study of job interrelationships; auth, Human factors engineering, McGraw, 2nd ed, 64; co-auth, Industrial psychology, Prentice-Hall, 5th ed, 65. Address: Dept. of Psychology, Purdue University, Lafayette, Ind. 47907.
- MCCORMICK, DR. FLAVIA D(AILY), b. Bushnell, Ill, May 21, 27; m. 49; c. 2. SOCIOLOGY. B.A., Okla. State, 60, M.S., 64, Ph.D.(sociol), 68. Instr. SOCIOLOG, Okla. State, 68-67; ASST. PROF. NEW MEXICO STATE, 67- Sci. Res. Soc. Am.; Sociol. Asn.; Anthropol. Asn. Community power structure; sociocultural sources of time orientations. Address: Box 3-H, New Mexico State University, Las Cruces, N.Mex. 88001.
- MCCORMICK, PROF. FRANCIS B(URWELL), b. New Concord, Ohio, Apr. 2, 16; m. 40. AGRICULTURAL ECONOMICS. B.S., Ohio State, 39, M.S., 47, Ph.D.(agr. econ), 53. County supvr, Farm Security Admin, Jackson, Vinton & Perry Counties, Ohio, 40-43; asst. AGR. ECON, OHIO STATE, 46-49, instr, 49-53, asst. prof, 53-59, assoc. prof, 59-64, PROF, 64-, asst. to chmn. dept. agr. econ. & rural sociol, 61-66, acting chmn, 66-67. U.S.A., 43-46, Sgt. Mem. Int. Conf. Agr. Econ, 58- Agr. Econ. Asn. Agricultural policy and general agricultural economics. Publ: Co-auth, Sources of economic information used by farmers; auth, An analysis of the market news service in Ohio & co-auth, Wheat price programs: effects and implication for Ohio, Ohio Agr. Exp. Sta. Res. Bull. Address: Dept. of Agricultural Economics, Ohio State University, Columbus, Ohio 43210.
- MCCORMICK, MALCOLM Y, Psychol, see 10th ed, Soc. & Behav. Vols.
- MCCORMICK, PROF. RICHARD P, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MCCORNACK, DR. ROBERT L, b. Moline, Ill, July 25, 27; m. 49; c. 2. PSYCHOLOGY. B.A., Iowa, 49; M.A., Minnesota, Minneapolis, 51, Ph.D.(psychol), 54. Asst. prof. psychol, Wayne State, 53-57; human factors scientist, Sandia Corp, 57-59; psychomet. scientist, Syst. Develop. Corp, 59-61, head statist. serv, 61-68; DIR. INSTNL. STUDIES, SAN DIEGO STATE COL, 68- Statist. Asn.; Psychol. Asn.; Psychomet. Soc. Experimental design; statistical analysis of data by computer; psychological test theory and validation. Publ: Vocational interests of male and female social workers, J. Appl. Psychol, 56; Extended tables of the Wilcoxon matched pair signed rank statistic, J. Am. Statist. Asn, 65; A new method for fitting salary curves, Personnel J, 67. Address: San Diego State College, 5402 College Ave, San Diego, Calif. 92115.
- MACCORQUODALE, PROF. KENNETH, b. Olivia, Minn, June 26, 19. PSYCHOLOGY. B.A., Minnesota, 41, M.A., 42, Ph.D.(psychol), 46. Instr. PSYCHOL, MINNESOTA, 43-44, 46, asst. prof, 47-51, assoc. prof, 51-56, PROF, 56-, chmn. dept, 60-63. Consult. to Surgeon Gen, U.S. Dept. Navy, 58- Ed, Century Psychology Series, Appleton-Century-Crofts. Hosp.C, U.S.N., 44-46. AAAS; Psychol. Asn. Learning, experimental and theoretical psychology; verbal behavior. Address: Dept. of Psychology, University of Minnesota, Minneapolis, Minn. 55455.
- MCCOWN, DR. THEODORE D(ONEY), b. Macomb, Ill, June 18, 08; m. 46; c. 3. PHYSICAL ANTHROPOLOGY. A.B., California, 29, Taussig traveling fel, 33-34, Johnson traveling fel, 34-35, Ph.D.(anthrop), 39; fel. Am. Sch. Prehist. Res, 32-35, 37. Archaeol. asst. anthrop, CALIFORNIA, BERKELEY, 28, asst, 29, 32-33, instr, 38-41, asst. prof. anthrop. & asst. curator phys. anthrop, 41-46, assoc. prof. ANTHROP, 46-51, PROF, 51-, CURATOR PHYS. ANTHROP, 57-, DIR. ARCHAEOLOG. RES. FACILITY, 66-, assoc. curator phys. anthrop, 46-48, curator anthrop. mus, 48-57, chmn. dept. anthrop, 50-55, assoc. dean, col. letters & sci, 56-61. Archaeol. asst, joint exped, Am. Sch. Prehist. Res. & Brit. Sch. Archaeol. in Jerusalem, 30-31; field dir, 32; supvr. proj, Inst. Andean Res, N.Y., 41-42; dir, Univ. California-Deccan Col. Post-Grad. & Res. Inst. exped, Narmada Valley, India, 58, 64-65. U.S.A. 42-45. AAAS; fel. Am. Anthropol. Asn.; Asn. Phys. Anthrop; Soc. Am. Archaeol; Am.Soc. Human Genetics; Soc. Study Evolution; Prehist. Soc. Gt. Brit; fel. Royal Anthropol. Inst. Gt. Brit. Fossil man; ancient man in the new world; prehistoric archaeology. Publ: The Genus Palaeoanthropus and the problem of superspecific differentiation among the hominidae; The antiquity of man in South America; The fossil human remains from the Levallois-Moustérian. Address: Dept. of Anthropology, University of California, Berkeley, Calif. 94720.
- MCCOY, PROF. CHARLES NICHOLAS REITEN, b. Brooklyn, N.Y., Aug. 7, 11. POLITICAL SCIENCE, PHILOSOPHY. A.B., Dartmouth Col, 32; Ph.D.(polit. sci), Chicago, 38; Ph.D.(philos), Laval, 50. Assoc. prof. POLIT. SCI, St. Louis, 46-53; Catholic Univ, 53-54, PROF, 54-63; SANTA CLARA, 63- Vis. prof, Stanford, 59-60, lectr, 63- Polit. Sci. Asn.; Acad. Polit. & Soc. Sci. Comparative study of contemporary and traditional political analysis and methodology. Publ: The structure of political thought, McGraw, 63. Address: Dept. of Political Science, University of Santa Clara, Santa Clara, Calif. 95053.
- MCCOY, DR. (WILLIAM) JOHN, (JR), Chinese & Japanese Ling, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- MCCOY, DR. ROGER M, b. Dewey, Okla, Feb. 3, 33; m. 55; c. 2. GEOGRAPHY, GEOMORPHOLOGY. B.S., Oklahoma, 57; M.A., Colorado, 64; Ph.D. (geog), Kansas, 67. ASST. PROF. GEOG, ILLINOIS, CHICAGO, 67- U.S.A. 53-55. Asn. Am. Geog. Applications of remote sensing to geographic analysis; fluvial processes in landform development. Publ: An evaluation of radar imagery for drainage analysis, NASA, 67. Address: Dept. of Geography, University of Illinois, Chicago Circle, Chicago, Ill. 60680.
- MCCRACKEN, PROF. PAUL W(INSTON), b. Richland, Iowa, Dec. 29, 15. BUSINESS ADMINISTRATION. A.B., William Penn Col, 37, L.H.D., 61; A.M., Harvard, 42, Ph.D., 48. Economist, U.S. Dept. Commerce, 42-43; financial economist, Fed. Reserve Bank of Minneapolis, Minn, 43-45, dir. res, 45-48; assoc. prof. bus. conditions, MICHIGAN, 48-50, prof, 50-67, EDMUND EZRA DAY UNIV. PROF. BUS. ADMIN, 67- Mem, President's Coun. Econ. Adv, 56-59. Econ. Asn.; Statist. Asn.; Finance Asn. Business conditions; monetary policy; present status of monetary and fiscal policy. Address: Graduate School of Business Administration, University of Michigan, Ann Arbor, Mich. 48104.
- MCCRARY, PROF. JACK S, b. San Antonio, Tex, Jan. 8, 26; m. 45; c. 2. SOCIOLOGY, ANTHROPOLOGY. B.A., Southern Methodist, 48, M.A., 49, fel, Washington (St. Louis), 51-52, Ph.D., 56. Asst. SOCIOLOG, Southern Methodist, 47-49; instr, Southern Illinois, 49-56; asst. prof, Chattanooga, 56-58; assoc. prof, Omaha, 58-60; PROF. & CHMN. DEPT, HANOVER COL, 60- Res. assoc. community health prog, Kellogg Found, 49-50; chief of party, Univ. Texas-Univ. Baghdad Prof. Prog, Baghdad, 66-67; summers, Am. Asn. Mid. East. Studies grant, Univ. Utah Mid. East Center, 63; Ford Found. grant, Univ. Michigan Southeast Asia Center, 65; vis. prof, Saskatchewan, 65, 66. U.S.M.C., 44-46, Res, 46-, Maj. Fel. Sociol. Asn.; fel. Gerontol. Soc; Nat. Coun. Family Reels. Old age; family; community; social and cultural factors in mental illness; culture personality; sociology of religion; Middle East area studies; Arabic culture and language. Publ: Modern theories of public assistance; Social characteristics of the population of Iraq, 1965 & Intro-

- duction to sociology, Univ. Baghdad, 67. Address: Dept. of Sociology, Hanover College, Hanover, Ind. 47243.
- McCRRARY, DR. JOHN W(ILEY), b. Bristol, Va, June 16, 27. PSYCHOLOGY. Sc.B. Col. William & Mary, 49; Sc.M. Brown, 52, Keen fel, 53, Ph.D.(psychol), 61. Ford intern col. teaching psychol, Dartmouth Col, 54-55, from instr. to asst. prof, 54-60; Danforth teacher, Brown, 60-61; from res. scientist to SR. SCIENTIST, HUMRRO, 61- Sr. scientist, U.S. Army Res. Unit, Korea, 64-66. AAAS; Psychol. Assn. Verbal and intercultural behavior; learning. Publ: Co-auth, Serial position curves in verbal learning & Delayed visual feedback and behavior, Science. Address: HumRRO, 300 N. Washington St, Alexandria, Va. 22314.
- McCREA, DR. JOAN M(ARIE), b. Chicago, Ill, Jan. 24, 22; m. 47. ECONOMIC. A.B. Indiana, 42; M.A. California, Los Angeles, 57, Ph.D.(econ), 65. Asst. econ. California, Los Angeles, 55-58, indust. rels, 58-59, lectr. ECON, Riverside, 59-61; ASST. PROF. Hollins Col, 61-66; TEXAS, ARLINGTON, 66- Ford Found. fel, 62. Econ. Assn; Indust. Rel. Res. Assn. Labor economics and industrial relations; social insurance; comparative economic systems; price and distribution theory; public finance; fiscal policy. Publ: Reemployment of displaced workers, Univ. Virginia, 67; Cooperatives, other countries & Corvee, In: Encyclop. Britannica. Address: Dept. of Economics, University of Texas, Arlington, Tex. 76010.
- McCREARY, JAMES W, Econ, see 10th ed, Soc. & Behav. Vols.
- McCREARY, DR. JOHN K, b. Toronto, Ont, Sept. 17, 07; m. 50; c. 2. PSYCHOLOGY. B.A. Wheaton Col, 35; B.Th. Presby. Theol. Sem, 37, M.Th. 39; M.A. Toronto, 42, Ph.D., 44. Lectr. philos. & psychol, McMaster, 42-43; personnel asst, Indust. Food Serv, Toronto, Ont, 43-44; lectr. philos. & psychol, Western Ontario, 44-46; ASSOC. PROF. psychol, Sarah Lawrence Col, 46-48; ED. & PSYCHOL, BATES COL, 48- Am. Psychol. Assn; Can. Psychol. Assn. Child and adolescent psychology; mental hygiene and abnormal psychology; theory and systems. Publ: Psychology of learning, Can. J. Psychol; A.N. Whitehead's theory of feeling, J. Gen. Psychol; Nature of progressive education, Education. Address: Dept. of Education & Psychology, Bates College, Lewiston, Maine 04240.
- McCREERY, DR. OTIS C(LAIR), b. Troy Mills, Iowa, May 11, 99; m. 24; c. 1. PSYCHOLOGY. B.S. M.A. & Ph.D.(psychol), Minnesota, 39; hon. LL.D., Bucknell, 66; hon. D.P.S. Pittsburgh, 67. Dean men, Drake, 23-28; asst. dean students, Minnesota, 28-37; dean men, State Col. Wash, 37-44; person- nel mgr. Los Angeles works, Aluminum Co. of Am, Calif, 44-46, dir. ed. & training, 46-53, dir. found, 48-67, mgr. personnel rels, Pa, 53-59, asst. to pres, 59-64; RETIRED. Chmn. State Bd. Ed. Pa, 63- Outstanding serv. award, Univ. Minnesota, 60. Psychol. Assn; Indust. Rel. Res. Assn. Industrial psychology; management development; personnel appraisal. Address: 1583 Tiffany Dr, Bridgeville, Pa. 15017.
- McCRENSKY, EDWARD, b. Boston, Mass, June 19, 12; m. 42; c. 3. PERSONNEL ADMINISTRATION. B.A. Boston Col, 33; M.Ed, Boston Teachers Col, 35; Rockefeller pub. serv. fel, 57-58. Teacher, high sch, Mass, 36-41; mem. staff, U.S. Civil Serv. Cmn, Mass. & Wash, D.C., 41-46; head sci. mgt. br, Off. Naval Res, 46-48, dir. civilian personnel, 48-53, civilian personnel & serv. div, 53-66; INTER-REGIONAL ADV. PERSONNEL ADMIN, UN, 66- Prof. col. gen. studies, George Washington, 52-; guest prof, Royal Col. Sci. & Tech, Univ. Glasgow, 60. Consult. to dir, ops. res. off, Hopkins, 61. Distinguished Civilian Serv. award, Dept. Navy, 66. Soc. Personnel Admin.(pres, 55). Personnel research; human relations; management of scientific personnel; personnel and training problems of developing countries. Publ: Scientific manpower in Europe; Wartime practices in recruitment; Training of scientists and engineers in United Kingdom, France, Soviet Union and China, President's Cmn. Career Adv, 67. Address: 531 E. 20th St, New York, N.Y. 10010.
- McCROCKLIN, PRES. JAMES H(ENRY), b. Boerne, Tex, May 3, 23; m. 48; c. 2. GOVERNMENT. B.A. Texas, 43, fel, 46-47, M.A., 49, Ph.D.(polit. sci), 54. Instr. govt, Tex. Col. Arts & Indust, 47-49, asst. prof, 49-54, assoc. prof, 54-57, prof. & chmn. dept, 57-64; PRES. & PROF. GOVT, SOUTHWEST TEX. STATE COL, 64- Mayor, City of Kingsville, 57-64. Mem. employer-employee cmt, Am. Munic. Cong, 59, resolutions cmt, 60-61; Nat. Adv. Cmn. on Selective Serv, 66-67; Presidential Task Force on Career Adv, 66-67; Ad Hoc Int. Ed. Cmt, 67-68; Nat. Rev. Bd. for Cultural & Tech. Interchange between East & West, 68-69. U.S.M.C.R., 42-, Col. Polit. Sci. Assn; Acad. Polit. Sci. Latin American and American government; American political parties. Publ: Garde d'Haiti; Making of today's world, 60 & 66, & Building citizenship, 60, 65, & 66, Allyn & Bacon. Address: President's Office, Southwest Texas State College, San Marcos, Tex. 78666.
- McCRONE, DR. DONALD J(AMES), b. Cambridge, Mass, Oct. 1, 39; m. 63; c. 2. POLITICAL SCIENCE. B.A. Florida, 61; Nat. Defense Ed. Act fel, North Carolina, 61-64, Ph.D.(polit. sci), 66. ASST. PROF. POLIT. SCI, WISCONSIN, 65- Consult, Int. Studies & Progs. & Inst. Res. Poverty, Univ. Wisconsin, 66-67. Am. Polit. Sci. Assn; Int. Polit. Sci. Assn. Mass political behavior in democratic political systems. Publ: Co-auth, The linkage between constituency attitudes and congressional voting behavior: a causal model, 3/66 & Toward a communications theory of democratic political development: a causal model, 3/67, Am. Polit. Sci. Rev; Political socialization to democratic orientations in four western systems, Comp. Polit. Studies, 4/68. Address: Dept. of Political Science, University of Wisconsin, Madison, Wis. 53706.
- McCRYSTAL, DR. THOMAS J, b. Lexington, Ky, July 30, 29; m. 59; c. 3. PSYCHOLOGY. A.B. Kentucky, 56, M.A., 59; Ph.D.(exp. psychol), Purdue, 66. Res. scientist, HumRRO, Infantry Human Res. Unit, Ft. Benning, Ga, 59-63; Instr, Purdue, 66; asst. prof. psychol, univ. & faculty res. grant, center for res. voc. & tech. ed, North Dakota, 66-67; ASST. PROF. PSYCHOL, XAVIER, 67- U.S. Dept. Ed. res. grant, 67-68. U.S.A.F., 51-54, S/Sgt. Psychol. Assn. Human learning; programmed instruction in army verbal learning past and present. Publ: Co-auth, Extinction responding as a function of Rf, Psychol. Reports, 61; Evaluation of effects of programmed instruction, HumRRO, 63; Facilitation and interference in the older adult learner, Final Report, U.S. Off. Ed, 67. Address: Dept. of Psychology, Xavier University, Cincinnati, Ohio 45207.
- McCUE, DR. MIRIAM C(ROWLEY), b. Denver, Colo, Nov. 4, 17; m. 49; c. 1. PSYCHOLOGY. A.B. Wyoming, 39; M.A. Fordham, 40, Ph.D.(psychol), 44. Prof. psychol, Rosemont Col, 41-44; asst. prof, Smith Col, 46-50; clin. psychologist, Cushing Hosp, Framingham, Mass, 50-52; chief psychologist, Vet. Admin. Ment. Hyg. Clin, 52-54; CLIN. PSYCHOLOGIST, VET. ADMIN. HOSP, BEDFORD, 63- Hosp. C, W.A.V.E.S., 44-46. Psychol. Assn. Psychology of learning; retroactive inhibition; personality; psychological testing. Publ: The use of the Kent EGY for the detection of malingering, J. Clin. Psychol, 10/52; Patient cancellations following a sudden cancellation by the therapist, 54 & co-auth, Failure to return for treatment in tested and nontested clinic patients, 54, J. Consult. Psychol. Address: 20 N. Hancock St, Lexington, Mass. 02173.
- McCULLERS, DR. JOHN C, b. Houston, Tex, June 19, 30; m. 58. PSYCHOLOGY. B.A. Texas, Austin, 47, M.A., 60, U.S. Pub. Health Serv. fel, 60-61, Ph.D.(psychol), 61. U.S. Pub. Health Serv. res. fel, Minnesota, 61-62, lectr. child psychol, 61; asst. prof. PSYCHOL, San Jose State Col, 62-65; ASSOC. PROF, TEMPLE BUELL COL, 65- Instr. Macalester Col, 62; dir. U.S. Pub. Health Serv. res. grant, San Jose State Col. & Colo. Woman's Col, 64-66; participant, U.S. Air Force contract, San Jose State Col, 65-68. U.S.N.R., 51-57, Res, 58-, Lt. Comdr. Am. Psychol. Assn; Soc. Res. Child. Develop. Experimental child psychology; children's verbal learning. Publ: An analysis of some factors underlying intralist associative transfer in paired-associate learning, J. Exp. Psychol, 65: 163-168; Type of interference as a factor in verbal paired-associate learning, J. Verbal Learning & Verbal Behav, 4: 12-16; Associative strength and degree of interference in children's verbal paired-associate learning, J. Exp. Child Psychol, 5: 58-68. Address: Dept. of Psychology, Temple Buell College, Denver, Colo. 80220.
- McCULLOCH, PROF. ROBERT W(INSLOW), b. Kansas City, Mo, Mar. 23, 10. POLITICAL SCIENCE. A.B. Albion Col, 31; A.M. Michigan, 32, Ph.D., 44. Instr, Tampa, 34-35; POLIT. SCI, Monmouth Col, 35-37; asst. prof, 37-40, assoc. prof, 40-45; Okla. Agr. & Mech. Col, 45-47; WEST. STATE COL. COLO, 47-50, PROF, 50-, dir. grad. studies, 49-64. Mem. Colo. State Senate, 62-65. Lectr, Southern California, 59-60. Polit. Sci. Assn. English and European governments; international relations; political parties. Publ: Parliamentary control. Address: P.O. Box 945, Gunnison, Colo. 81230.
- McCULLOCH, DR. THOMAS L(OGAN), b. Centerville, Ind, Aug. 21, 05; m. 34; c. 2. PSYCHOLOGY. A.B. Whittier Col, 28; A.M. Duke, 29, fel. & Ph.D. (psychol), 33. Res. asst, primate biol. labs, Yale, 34-37, 38-39; res. psychologist, LETCHWORTH VILLAGE, 39-41, sr. clin. psychologist, 46-56, ASSOC. RES. SCIENTIST PSYCHOL, 56- Vis. Instr, Duke, 37-38; chief psychologist, State Colony & Training Sch, La, 41-44; res. psychologist, Nat. Defense Res. Cmt, 44-45. Fel. AAAS; fel. Psychol. Assn; Assn. Ment. Deficiency (pres, 56). Mental retardation; perception; learning. Publ: Co-auth, Study of the pre-solution period in weight discrimination by white rats, J. Comp. Psychol; Role of clasping activity in adaptive behavior of the infant chimpanzee, J. Psychol; Reformulation of the problem of mental deficiency, Am. J. Ment. Deficiency. Address: Letchworth Village, Thiells, N.Y. 10984.
- McCULLOUGH, PROF. HARRELL, b. Ardmore, Okla, May 5, 13. INDUSTRIAL ECONOMICS & MANAGEMENT. B.S. Oklahoma, 35, M.B.A., 46; Northwestern, 46-48; Western Reserve, 59-62. ASST. PROF. mgt, Kent State, 58-62, ECON, CENT. STATE COL.(OKLA), 62- Mgt. consult, Ford Motor Co; Marshall Field & Co; Kent State. U.S.N.R., 42-46, Lt. Econ. Assn; Inst. Mgt. Sci. Business management; analysis of organization and methods. Address: 721 N.E. 21st St, Oklahoma City, Okla. 73105.
- McCULLOUGH, MAX, b. Wylie, Tex, Feb. 1, 04; m. 30; c. 3. POLITICAL SCIENCE. Baylor, 21-23; Columbia, 23-24. Mgr. McCullough Mercantile Co, 29-33; secy. cmnr. court, Dallas, Tex, 33-37, budget officer, 37-39; dir. Pub. Welfare, 39-41, finance dir, City of Dallas, 41-42; regional adminstr, Off. Price Admin, 42-44, dept. adminstr. rationing, 44-46, cmnr, 46-47; v.pres, State Life Ins. Co. Of Tex, 47-48; dep. dir, UNESCO rels. staff, U.S. Dept. State, 48-50, dir, 50-59, consul. gen, Glasgow, Scotland, 59-61, spec. asst. to asst. secy. state ed. & cultural affairs, 61-64; exec. dir, Am. Cmt. to Preserve Abu Simbel, 64-66; MANAGING DIR, McCULLOUGH CO, 66- Mem. U.S. del. Gen. Conf, UNESCO, 49, 52-54, 56, 58, 62, secy. U.S. nat. cmn, 50-59; U.S. mem, Int. Cmt. to Preserve Monuments & Temples of Nubia, UNESCO, 61-64; mem, Am. Cmt. to Preserve Abu Simbel, 64-68. AAAS; Polit. Sci. Assn; Asia Soc; Acad. Polit. Sci; India Coun. International organizations; development of cultural contacts across national boundaries; saving the monuments of Nubia; city planning and urban renewal. Publ: Need; contrib, Rationing in World War II, In: Encyclop. Britannica Yearbook. Address: 6680 32nd Place, N.W. Washington, D.C. 20015.
- McCULLOUGH, DR. PAUL M(AURICE), b. Schenectady, N.Y, Apr. 7, 27; m. 55; c. 2. PSYCHOLOGY. B.A. Hopkins, 50; M.A. Utah, 53, Ph.D., 57. Asst. electroencephalog, dept. psychiat, med. col, Utah, 52-54; trainee clin. psychol, Vet. Admin. Hosp, Salt Lake City, 54-57; clin. psychologist, spec. children's clin, div. maternal & child health, State Dept. Health, Nev, 57-60, sr. clin. psychologist, Bur. Ment. Health, 60-63, Las Vegas Ment. Health Center, State Div. Ment. Hyg, 63-67; PROJ. DIR. WEST. CONF. USES MENT. HEALTH DATA, WEST. INTERSTATE CMN. HIGHER ED, 67- Lectr, Utah, 56; instr, Nevada Southern, 58-62, 63-67. Med.C., U.S.A., 45-47, Res, 50-51. Psychol. Assn. Personality development and theory; use of electronic computers in psychological research; community mental health; uses of mental health data. Address: Western Interstate Commission for Higher Education, University East Campus, 30th St, Boulder, Colo. 80302.
- McCULLOUGH, DR. ROGER S(TEWART), Math. Statist, see 11th ed, Phys. & Biol. Vols
- McCULLY, DR. ROBERT S(TEPHEN), b. Anderson, S.C, Jan. 28, 21. CLINICAL PSYCHOLOGY. A.B. Washington (St. Louis), 47, M.A., 48; Ph.D. Columbia, 61. Supvr. dept. psychol, Anna State Hosp, Ill, 48-49; instr, West.

Col, 49-50; chief psychologist, U.S. Naval Hosp, Portsmouth, Va. 50-55; clin. psychologist, Payne Whitney Psychiat. Clin, N.Y. HOSP-CORNELL MED. CENTER, 56-62, CHIEF CLIN. PSYCHOLOGIST, DEPT. PSYCHIAT. & ASSOC. PROF. PSYCHOL, MED. COL, 62-, from instr. to asst. prof, 56-62. Chief psychologist, Ment. Hyg. Clin, Portsmouth, Va. 51-55. Consult, med. control bd, Health Ins. Plan Greater New York City, 64-66; dept. human behav. & metabolism, Rockefeller Univ, 65-68. Jungian psychoanalyst, C.G. Jung New York Inst. U.S.A. 43-46. Psychol. Asn; Soc. Proj. Tech. Jungian psychoanalysis; theory of the Rorschach method. Publ: Certain theoretical considerations in relation to borderline schizophrenia and the Rorschach, J. Proj. Tech, 26: 404-418; Vampirism: historical perspective and underlying process in relation to the case of auto-vampirism, J. Nerv. & Ment. Disease, 139: 440-452; Fantasy productions of children with a progressively crippling and fatal illness, J. Genetic Psychol, 102: 203-216. Address: 525 E. 68th St, New York, N.Y. 10021.

McCUNE, DUNCAN CHALMERS, Math. Statist, see Suppl. V to 11th ed, Phys. & Biol. Vols.

McCUNE, DR. SHANNON, b. Sonchon, Korea, Apr. 6, 13; U.S. citizen; m. 36; c. 3. GEOGRAPHY. B.A. Col. Wooster, 35; M.A. Syracuse, 37; Ph.D.(geog.), Clark, 39, hon. LL.D., 60, Massachusetts, 62, East. Nazarene Col, 66. Instr. geog. Ohio State, 39-46; asst. prof. Colgate, 47-48, assoc. prof. 48-50, prof. 50-55, head dept. 47-55; provost, Massachusetts, 55-61; dir. dept. ed. UNESCO, Paris, 61-62; civil adminstr. U.S. Civil Admin, Ryukyu Islands, 62-64; staff assoc. off. pres. Univ. Illinois, 64-65; pres. Vermont, 65-66, res. prof. 66-67; DIR, AM. GEOG. SOC, 67- Dept. dir, Far East Prog. Div. Econ. Coop. Admin, 50-51; Fulbright vis. prof, Tokyo, 53-54; adj. prof. Columbia, 68- From econ. analyst to head intell. officer, Bd. Econ. Welfare, For. Econ. Admin, 42-55. Geog. Soc; Asn. Am. Geog. Oriental Soc; Asn. Asian Studies; Indian Geog. Soc; Asn. Japanese Geog. Geography of monsoon Asia, particularly Korea. Publ: Korea's heritage: a social and regional geography; Korea: land of broken calm, Van Nostrand, 66. Address: 2500 Johnson Ave, Riverdale, Bronx, N.Y. 10463.

MCCURDY, DR. DWIGHT R, b. Wheeling, W.Va, Sept. 17, 37; m. 58; c. 3. FORESTRY. B.S. Purdue, 60, M.S. 61; Ph.D.(agr. econ), Ohio State, 64. Res. forester, U.S. Forest Serv, 61-65; ASST. PROF. FOREST RECREATION & PARK MGT, SOUTHERN ILLINOIS, 65- Soc. Am. Foresters; Nat. Recreation & Park Asn. Forest recreation; park management. Address: Dept. of Forestry, Southern Illinois University, Carbondale, Ill. 62901.

MCCURDY, PROF. HAROLD G(RIER), b. Salisbury, N.C, May 30, 09; m. 37; c. 2. PSYCHOLOGY. A.B. Duke, 30, Ph.D.(psychol), 38. Substitute prof, High Point Col, 31-32; asst. Duke, 37-38; prof. Milligan Col, 38-41; assoc. prof. psychol. & philos. Meredith Col, 41-46, prof. 46-48; assoc. prof. PSYCHOL, NORTH CAROLINA, CHAPEL HILL, 48-55, prof. 55-63, KENAN PROF. 63- AAAS; Psychol. Asn. Personality; social psychology; creativity. Publ: Personality of Shakespeare; The personal world: an introduction to the study of personality; Personality and science, Van Nostrand, 65. Address: Dept. of Psychology, University of North Carolina, Chapel Hill, N.C. 27514.

MACCUDRY, PROF. ROBERT D(UGLAS), b. Wollaston, Mass, Apr. 28, 14. SCIENCE EDUCATION. B.S. Massachusetts, 38; fel. Mich. State, 38-39, M.S. 39; Ed.D.(sci. ed), Boston, 54. Supvr. qual. prods, H.P. Hood & Sons, Boston, Mass, 39-42; asst. prof. agr. Vermont, 46-47; teacher, high sch, Mass, 47-55; assoc. prof. ed. & biol. sci, Florida, 55-58; ed. Utah State, 58-60; prof. ed. & psychol. & head dept. Centenary Col, 60-67; PROF. ED. & CHMN. SEC. ED, MASS. STATE COL. BRIDGEWATER, 67- Westinghouse sci. teacher fel, 52; exec. secy, Fla. Found. Future Scientists, 56-58; summer, instr. Boston, 52-53. Mem. State Cmts. Sci. Fairs, Mass, Fla. & Utah; Nat. Ed. Asn. conf. gifted children, 59. U.S.A., 42-46. Fel. AAAS; Sci. Teachers Asn.(award, 52); Cancer Soc.(award, 52); Dairy Sci. Asn. Characteristics of scientists and superior science students; origin of early science interests; giftedness and creativity; public attitudes on education; scientific toys as teaching materials. Publ: Scientist or engineer?, J. Counseling Psychol; Individualism for the gifted, Phi Delta Kappan; Science interest grows, Sci. Ed. Address: Dept. of Education, State College at Bridgewater, Bridgewater, Mass. 02324.

MCCURTAIN, PROF. E(DMUND) G(REEN), b. Kinta, Okla, Jan. 20, 14; m. 38; c. 3. SOCIOLOGY. Oklahoma, 35, A.M. 36; fel. Washington (St. Louis), 40-41, Ph.D., 51. Asst. boys' adv. U.S. Indian Serv, N.Mex, 36-37; field scout exec, Boy Scouts Am, Tex, 37-38; assoc. prof. SOCIOL, Northeast State Col, 38-46; assoc. prof. Drury Col, 46-51, PROF. 51-57; Omaha, 57-62; DRURY COL, 62- Intel. officer, U.S. Prisoner War Camps, 42-46, Maj. Soc. Intl. Asn. Criminology; ethnic relations; educational sociology. Address: Dept. of Sociology, Drury College, Springfield, Mo. 65802.

MCDADÉ, SISTER MARY TERESA F, b. Chicago, Ill, Nov. 17, 02. PSYCHOLOGY. M.A. Notre Dame, 33; Ph.D.(ed. psychol), Catholic Univ, 43. From instr. to asst. prof. hist. & psychol, CLARKE COL, 29-40, dean col, 43-46, gen. ed. 46-61, PROF. PSYCHOL. & ED, 62- Summer participant, Religious Ed. Workshop, 62. Psychol. Asn. Sources of religious vocation; reminiscence, a study of the relations of the time-interval and intelligence to reminiscence. Publ: Relation of time-interval to reminiscence, Catholic Univ, 43; co-auth, The parish school in the post-conciliar parish, Kenedy, 67; auth, Sources of vocation, Sister-Formation Bull, spring 60. Address: Dept. of Psychology, Clarke College, Dubuque, Iowa 52001.

MCDANIEL, DR. GERALD R(AY), b. Otterville, Mo, June 10, 29; div; c. 1. POLITICAL SCIENCE. B.S.Ed. Cent. Mo. State Col, 50; Copenhagen, 53-54; M.A. Missouri, Columbia, 56; Am-Scandinavian Found. Kaufmann fel. Denmark, 59-60; Falk Found. fel. California, Berkeley, 61-62, Ph.D.(polit. sci), 63. Instr. GOVT, SACRAMENTO STATE COL, 61-64, asst. prof, 64-68, ASSOC. PROF, 68-, CHMN. DEPT, 67- Univ. California faculty legis. intern, Calif. State Assembly, 64-65. U.S.A., 51-53. Polit. Sci. Asn. Scandinavian government and politics, especially Denmark and the Danish parliament; ombudsman and related problems of citizen grievance handling, especially in California. Publ: Letters of complaint: mail-processing in California's administrative branch, Inst. Govt. Studies, Univ. Calif, 68; No one

misses the landsting, but. . . , Am-Scandinavian Rev, fall 61. Address: Dept. of Government, Sacramento State College, 6000 J St, Sacramento, Calif. 95819.

MCDANIEL, PROF. HENRY B, b. Hico, Tex, Mar. 20, 03; m. 30; c. 2. EDUCATION, PSYCHOLOGY. A.B. Arizona, 25, M.A. 35; Ph.D.(ed. res), Columbia, 40. Teacher, elem. & sec. schs, Ariz. & Calif, 26-38; coordinator guid, pub. schs, Calif, 40-43; chief bur. guid, Calif. State Dept. Ed, 43-46; PROF. ED. & PSYCHOL, STANFORD, 46- Consult, state sch. survs, Wash, Utah & Hawaii; consult, 36 local sch. dists, Calif. Mem. State Cmt. Nat. Defense Ed. Act; Calif. State Testing Prog. Dipl. Am. Bd. Exam. Prfl. Psychol. Fel. Psychol. Asn; Voc. Asn. Evaluation of school guidance programs; counselor education; crime prevention by teaching law. Publ: Guidance in the modern school, Dryden, 56; co-auth, Readings in guidance, Holt-Dryden, 59. Address: 514 Mayfield, Stanford, Calif. 94305.

MCDANIEL, DR. JOSEPH M(ILTON), JR, b. Baltimore, Md, Mar. 1, 04; m. c. 1. ECONOMICS. A.B. Hopkins, 24, Ph.D., 30; hon. A.M. Dartmouth Col, 39; hon. LL.D., Trinity Col.(Dublin), 67. Prof. econ, Delaware, 28-29; from asst. prof. to assoc. prof, Dartmouth Col, 30-39, prof, 39-42; bus. admin, Northwestern, 47-51, dean sch. commerce, 50-51; asst. to pres, FORD FOUND, 51-53, secy, 53-67, CONSULT, 67- Expert exam, U.S. Civil Serv. Cmn, 40-41; spec. asst. to Ambassador W. Averill Harriman, Europe; asst. adminstr. Econ. Co-op. Admin, 48. Consult, U.S. Dept. Ed, 36; Nat. Resources Planning Bd, 39-41. Life trustee, Hopkins, 63-; chmn. bd, Fund for Adult Ed, N.Y.; dir, AMK Corp, Panacolor, Inc. & Oppenheimer Fund, N.Y., John Morrell & Co, Ill. Mem. Coun. For. Rels, 56- U.S.N.R., 42-46, Comdr. Taxation; fiscal policy; forms of trade union pressure. Publ: Introduction to the social sciences. Address: Ford Foundation, 477 Madison Ave, New York, N.Y. 10022.

MCDANIEL, PROF. RALPH CLIPMAN, b. Philadelphia, Pa, Nov. 17, 93; m. 19; c. 1. POLITICAL SCIENCE. B.A. Richmond, 16; M.A. Columbia, 25; Ph.D., Hopkins, 26; hon. LL.D. Georgetown Col, 51. Assoc. prof. HIST, RICHMOND, 28-30; prof, 30-67, chmn. dept. hist. & polit. sci, 41-67, EMER. PROF, 67- Gen. Ed. Bd. fel, grad. inst. int. studies, Geneva, 35-36. U.S.A., 17-19, 1st Lt. Hist. Asn; Soc. Int. Law. Publ: Virginia Constitutional Convention of 1901-1902. Address: Dept. of History & Political Science, University of Richmond, Richmond, Va. 23173.

MCDANIEL, DR. ROBERT A(INSWORTH), Near East. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MCDANIEL, DEAN WILLIAM E, b. Fresno, Calif, May 30, 15; m. 46; c. 2. AGRICULTURAL ECONOMICS. B.S. Missouri, 42; M.S. Illinois, 43; Ph.D. Minnesota, 51. Instr. econ. sch. bus. admin, Minnesota, 47-48, agr. econ. univ, 48-51; asst. prof. DELAWARE, 51-53, assoc. prof. 53-58, prof, 58-65, chmn. dept, 57-65, dir. resident instr, 62-64, DEAN COL. AGR. SCI. & DIR. DEL. AGR. EXP. STA, 65- U.S.A., 43-46, Capt. Agr. Econ. Asn. Farm management; production economics; agricultural policy. Publ: Changes in the dairy farming picture, Minn. Agr. Exp. Sta. Bull; Hay drying costs and returns & Irrigation in Delaware, Del. Agr. Exp. Sta. Tech. Bull. Address: College of Agricultural Sciences, University of Delaware, Newark, Del. 19711.

MCDANIEL, PROF. WILLIAM LAWRENCE, Econ, see 10th ed, Soc. & Behav. Vols. Latest known address: University of Missouri, Columbia, Mo. 65202.

MCDAVID, DR. JOHN E, b. Charleston, W.Va, Nov. 2, 34; m. 54; c. 3. MARKETING, MANAGEMENT. B.S. Ohio State, 56, M.B.A. 62, Ph.D. 66. V.pres, Ohio Valley Capital Corp, 63-65; ASSOC. PROF. MKT. & CHMN. DEPT. XAVIER, 65- U.S.A.F. 56-60, Capt. Mkt. Asn. Finance. Publ: Contributions other than capital funds of the small business investment companies to small businesses, U.S. Govt. Printing Off, 66; Louisville marina, Harvard Case Clearinghouse, 67. Address: Dept. of Marketing, Xavier University, Victory Pkwy, Cincinnati, Ohio 45231.

MCDAVID, DR. JOHN W(ALTER), JR, b. Longview, Tex, May 27, 33; m. 56; c. 2. SOCIAL PSYCHOLOGY. B.A. Rice Inst, 53; M.A. Princeton, 56, Ph.D. (psychol), 57. Asst. prof. child psychol, Child Welfare Res. Sta, Iowa, 57-60; PROF. PSYCHOL, MIAMI (FLA), 60- Dir. res. Proj. Head Start, Wash. D.C. 67- Psychol. Asn; Soc. Res. Child Develop; Psychonomic Soc. Social conformity; parent-child interaction; socialization process. Publ: Co-auth, Social psychology: individuals, groups, societies, Harper, 68. Address: Dept. of Psychology, University of Miami, Coral Gables, Fla. 33124.

MCDAVID, PROF. RAVEN I, JR, b. Greenville, S.C, Oct. 16, 11; m. 50; c. 5. LINGUISTICS, ANTHROPOLOGY. B.A. Furman, 31, hon. Litt.D. 66; M.A. Duke, 33, Ph.D. 35. Instr. Eng. The Citadel, 35-38; Mich. State, 38-39; asst. prof, Southwest. La. Inst, 40-42; linguist, U.S. Dept. Army-Am. Coun. Learned Soc. prog, 42-45; field investr. Am. dialects, ling. atlas, U.S. & Can. Proj, Am. Coun. Learned Soc, 45; linguist, bd. geog. names, U.S. Dept. Interior, 47; vis. asst. prof. Eng. Illinois, 49-50; mod. langs, Cornell, 50-51; asst. prof. Eng. Western Reserve, 52-57; assoc. prof. CHICAGO, 57-64, PROF. ENG. & LING, 64- Rosenwald fel, 41; Am. Coun. Learned Soc. fel, 42, 45, scholar, 51-52; hon. fel. Duke, 46-48; summers, consult, North Carolina, 41, vis. lectr, Colorado, 50, Mont. State Col, 51, Michigan, 52, 57, vis. prof, New Brunswick, 61, W.Va. State Col, 62, Mich. State, 64, Ill. Inst. Tech, 66 & Fulbright lectr, Mainz, 65. Consult, N.W. Ayer & Son, 58-; G. & G. Merriam, 46-; Scott, Foresman & Co, 60-; Sci. Res. Assocs, 61-; Random House, 64-; Encyclop. Britannica, 64- Ed. Ling. Atlas Mid. & S. Atlantic States, 64- Fel. AAAS; fel. Anthropol. Asn; Ling. Soc; Am. Name Soc; Am. Studies Asn; Mod. Lang. Asn. American dialects; social implications of dialect differences; structure of modern English; cross-cultural linguistics; social structure of the American South; Burmese. Publ: Co-auth, Pronunciation of English in the Atlantic states; ed, The American language, Knopf, 63; co-auth, Relationship of the speech of American Negroes to the speech of whites, Am. Speech. Address: Dept. of English & Linguistics, University of Chicago, 1050 E. 59th St, Chicago, Ill. 60637.

McDEARMON, DR. JAMES R(OBERTSON), b. Sioux City, Iowa, Feb. 13, 18; m. 54. SPEECH PATHOLOGY. B.A. California, Berkeley, 40; M.A. Univ. of the Pacific, 50; Ph.D.(speech path), Denver, 60. Speech pathologist, Calif. Rehab. Center, 51-54; speech therapist, Stockton Sch. Syst, 54-58; asst. prof. speech path, South Dakota, 58-61; asst. prof. speech path. & dir. speech & hearing clin, WASHINGTON STATE, 61-64, ASSOC. PROF. SPEECH PATH, 64- Cert. clin. competence speech, Am. Speech & Hearing Asn. Speech & Hearing Asn; Speech Asn. Am; Cleft Palate Asn. Stuttering; language development in children; retarded language; aphasia; learning theory. Publ: Blumel's theories of stuttering, Quart. J. Speech, 10/63; A method of teaching lip reading using programmed learning principles, Volta Rev, 5/67; Programmed instruction in phonics, In: Operant procedures in speech and language learning, Houghton, 68. Address: Speech & Hearing Clinic, Washington State University, Pullman, Wash. 99163.

McDERMID, PROF. ROBERT W(ESSON), Forest Mgt, Econs, see 11th ed, Phys. & Biol. Vols.

McDERMOTT, DR. JAMES KENNETH, b. Lonedell, Mo, July 2, 22; m. 48; c. 5. AGRICULTURAL ECONOMICS. B.S. Missouri, 47; M.S. Wisconsin, 49, Ph.D.(agr. econ, rural sociol), 58. Asst. ed, agr. exten. serv, Univ. Illinois, 52-55; prof. agr. econ, Purdue, 55-67; RURAL DEVELOP. OFFICER FOR COLOMBIA, AGENCY INT. DEVELOP, 67- Grant to study Agency Int. Develop-Univ. Contracts, 65- & consult. res. & inst. grants prog, Agency Int. Develop, summer 67. Hon. prof, Agr. Univ. Minas Gerais, 65. U.S.A., 43-46. Address: Agency for International Development, American Embassy, Bogota, Colombia.

McDERMOTT, BRIG. GEN. R(OBERT) F(RANCIS), U.S.A.F. b. Boston, Mass, July 31, 20; m. 43; c. 5. ECONOMICS. B.S. U.S. Mil. Acad, 43; M.B.A. Harvard, 50; Denver; L.L.D. St. Louis, 62; Litt.D. St. Bernard Coll, 65. U.S. AIR FORCE, 43-, instr. econ. of nat. security & int. rels, U.S. Mil. Acad, 50-51, asst. prof, 51-54, PROF. ECON, U.S. AIR FORCE ACAD, 54-, DEAN FACULTY, 59- Mem. bd. trustees, Soc. Sci. Found, Denver. Polit. Sci. Asn; Soc. Eng. Ed. Defense economics; personal finance; insurance. Publ: Principles of personal finance for service personnel; Principles of insurance and related government benefits for service personnel. Address: Quarters 6950, U.S. Air Force Academy, Colorado Springs, Colo. 80840.

McDERMOTT, PROF. THOMAS J(OSEPH), b. Somerville, Mass, May 12, 15; m. 44; c. 2. ECONOMICS. B.B.A. Boston, 39, M.B.A. 41, Ph.D. 55. Dir. personnel, personnel center, U.S. War Dept, Ft. Bliss, Tex, 44-46; asst. prof, N.Mex. Agr. & Mech. Col, 46-48; from asst. prof. to assoc. prof. ECON, Col. Holy Cross, 48-59; PROF. DUQUESNE, 59-, COORDINATOR ECON. SCI, 63- Ad hoc arbitrator, 54-; permanent arbitrator, Master Builders Assn. West. Pa. & Carpenters Union, 63- Nat. Acad. Arbit; Econ. Asn; Indust. Rels. Res. Asn. Industrial relations and labor arbitration. Publ: Ten years of the national emergency procedures; Development of fact-finding in labor disputes; Arbitrability: the arbitrators vs courts, Arbit. J, 3/68. Address: Dept. of Economics, Duquesne University, Pittsburgh, Pa. 15219.

McDIARMID, DR. COLIN GORDON, b. North Vancouver, B.C, July 22, 31; m. 57; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A. British Columbia, 54; Illinois, 54-56, 57-60, Ph.D.(exp. psychol), 62. Asst. psychol, Illinois, 54-56, 57-60, Ph.D.(exp. psychol), 62. Asst. psychol, Illinois, 54-56, 57-60; asst. prof. exp. psychol, Columbia, 60-61, Texas, Austin, 61-64; RES. ASST. PROF. PSYCHOPHARMACOL, MED. BR, TEXAS, 66- Nat. Inst. Ment. Health fel. & spec. fel, Stanford, 64-66. AAAS; Psychol. Asn; Soc. Exp. Anal. Behav. Psychophysics; decision and learning processes; experimental analysis of behavior; mathematical models; psychopharmacology. Publ: Co-auth, The magnitude of context effects for auditory intensity in the multiple-standards experiment, Am. Psychol, 15: 499; Reinforcement delay and reinforcement rate as determinants of schedule preference, Psychonomic Sci, 2:195-196; Signal detection in fixed-ratio schedules, Science, 148:526-527. Address: Dept. of Neurology & Psychiatry, University of Texas Medical Branch, Galveston, Tex. 77550.

McDIARMID, DR. JOHN, b. Beckley, W.Va, Aug. 12, 11; m. 38; c. 3. POLITICAL SCIENCE. A.B. Texas Christian, 31, A.M. 32; Hillman fel, Chicago, 34-35, Ph.D.(polit. sci), 36. Asst. Nat. Resources Planning Bd, 35; instr. polit, Princeton, 36-38; asst. prof. pub. admin, Southern California, 38-42; asst. chief examining & personnel utilization div, U.S. Civil Serv. Cmn, 42-45; assoc. prof. polit. sci, Northwestern, 45-46; UN SECRETAR- IAT, 46-, dep. dir. personnel, 54-59, sr. dir. tech. assistance bd, 59-64, UN DEVELOP. PROG. RESIDENT REP, INDIA, 64- International organizations. Publ: Government corporations and federal funds; co-auth, Administration of the American public library. Address: 21 Curzon Rd, New Delhi, India.

McDIARMID, DR. O(RVILLE) J(OHN), b. Ottawa, Ont, Oct. 19, 09; nat; m. 39; c. 2. ECONOMICS. B.Com, Toronto, 32, M.A. 33; fel. & Ph.D. Harvard, 36. Asst. prof. econ, Carnegie Inst. Tech, 37-41; Col. of William & Mary, 41; economist, Joint U.S. & Can. Defense Cmt, 42; chief finance sect, Japanese-Korean econ. affairs, U.S. Dept. State, 46-48, dep. & chief monetary affairs staff, 49-51; asst. dir, U.S. Opers. Mission, P.I., 51-54; regional economist for Far East, Int. Coop. Admin, 54-55; ECON. ADV. DEPT. OPERS. ASIA & MID. EAST, INT. BANK RECONSTRUCT. & DEVELOP, 55- U.S.A., 42-46, Lt. Col. Econ. Asn. Economic development; commercial policy. Publ: Commercial policy in the Canadian economy; Automobile industry and the tariff, Can. J. Econ. & Polit. Sci. Address: 4312 N. 40th St, Arlington, Va. 22207.

McDILL, DR. EDWARD L(AMAR), b. Gadsden, Ala, Oct. 14, 30; m. 56; c. 2. SOCIOLOGY. A.B. Jacksonville State Col, 52; Ford Found. fel, Vanderbilt, 55-57, Ph.D. 58; M.A. Alabama, 66. Asst. prof. sociol, Vanderbilt, 58-64, ASSOC. PROF, 64-65; SOC. RELS. HOPKINS, 65-, DIR. CENTER STUDY SOC. ORGN. SCHS, 66-, Soc. Sci. Res. Coun. fel, 61-62. U.S.A., 52-54, 1st Lt. Sociol. Asn; Ed. Res. Asn. Sociology of education; adolescent conforming and deviant behavior; attitude measurement; urban sociology. Publ: Status, anomia, political alienation, and political participation, Am. J. So-

ciol, 62; High school social status, college plans, and interest in academic achievement: a panel analysis, Am. Sociol. Rev, 63; Family and peer influences in college plans of high school students, Sociol. Ed, 65. Address: Dept. of Social Relations, Johns Hopkins University, Baltimore, Md. 21218.

McDONAGH, PROF. E(DWARD) C(HARLES), b. Edmonton, Alta, Jan. 23, 15; nat; m. 40; c. 2. SOCIOLOGY. A.B. Southern California, 37, A.M. 38, fel, 38-40, Ph.D. 42. Instr. sociol, Southern California, 40-42; asst. prof. & admin. asst. to pres, Southern Illinois, 43-44; asst. prof, Oklahoma, 46-47; SOCIOL, SOUTHERN CALIFORNIA, 47-49, assoc. prof, 49-56, PROF, 56-, HEAD DEPT, 58-, CHMN. DIV. SOC. SCI, 60-, assoc. dean soc. sci, 62-66. Vis. Smith-Mundt prof, Univs. Gothenburg & Lund, 56-57. Consult, Los Angeles City Schs, 58- U.S.A., 44-46. AAAS; Sociol. Asn; Acad. Polit. & Soc. Sci; Asn. Pub. Opinion Res. Social stratification; public opinion. Publ: Major professions; Status: a form of human tropism; co-auth, Social problems, Holt, 65. Address: 1513 Via Montemar, Palos Verdes Estates, Calif. 90274.

McDONAGH, THOMAS J, C.S.C. b. Hammond, Ind, July 8, 15. ECONOMICS. Ph.B. Gregorian, 40; M.A. Wisconsin, 45, Ph.D.(econ), 51. Asst. prof. ECON, Notre Dame, 48-51; mem. faculty, Portland, 51-53; ASSOC. PROF, NOTRE DAME, 53-, chmn. dept, 53-67. Econ. Asn. Address: Dept. of Economics, University of Notre Dame, Notre Dame, Ind. 46556.

McDONALD, DR. ARTHUR L(EROY), b. Martin, S.Dak, Dec. 26, 34; m. 60; c. 2. PSYCHOLOGY. B.A. South Dakota, 62, M.A. 63, Nat. Defense Ed. Act. & Ph.D.(psychol), 66. Asst. Prof. PSYCHOL, CENT. COL.(IOWA), 63-65; MONTANA STATE, 66-68, ASSOC. PROF. & DEPT. HEAD, 68- U.S.M.C., 53-56, Res, 56-61, Sgt. AAAS. Animal behavior; comparative psychology; psychopharmacology. Publ: Co-auth, Social influence on the response to drugs: III response to amphetamine as a function of age, 62 & Social influence on the response to drugs. IV modification of behavior of non-drugged rats by drugged, 65, Psychopharmacologia & Social modification of agonistic behavior in fish, Animal Behav, 68. Address: Dept. of Psychology, Montana State University, Bozeman, Mont. 59715.

McDONALD, PROF. ARTHUR S(MITH), Counseling, Guid, see 10th ed, Soc. & Behav. Vols.

McDONALD, DR. DANIEL L, b. North Battleford, Sask, Apr. 2, 33; m. 57; c. 3. BUSINESS ADMINISTRATION, ACCOUNTING. B.Commerce, British Columbia, 56; M.B.A. California, Berkeley, 60; Ford Found. fel, Stanford, 64-66, Arthur Andersen Found. fel, 66-67, Ph.D.(bus), 67. Auditor, Clarkson Gordon & Co, 56-59; asst. prof. acct, British Columbia, 60-61 & 62-64; vis. lectr. bus. admin, Singapore, 61-62; ASST. PROF. ACCT, WASHINGTON (SEATTLE), 67- Am. Acct. Asn; Can. Inst. Chartered Acct. Measurement theory; external reporting; managerial control. Publ: Feasibility criteria for accounting measures, Acct. Rev, 10/67; A test of the feasibility of market based measures in accounting, J. Acct. Res, spring 68. Address: Dept. of Accounting, School of Business, University of Washington, Seattle, Wash. 98105.

McDONALD, DR. DAVID G(EORGE), b. St. Louis, Mo, Aug. 16, 33. EXPERIMENTAL PSYCHOLOGY. A.B. Missouri, 55; M.A. Washington (St. Louis), 57, Ph.D. 59. Res. instr. med. psychol, med. sch, Washington (St. Louis), 59-62; res. psychologist, U.S. Naval Neuropsychiat. Res. Unit, 62-63; ASSOC. PROF. MED. PSYCHOL, MISSOURI, 63- AAAS; Psychol. Asn; Soc. Psychophysiol. Res; Asn. Psychophysiol. Study Sleep. Autonomic and electroencephalographic correlates of sleep; conditional and unconditional autonomic responses in sleep and wakefulness; physiological correlates of behavior. Address: Dept. of Psychiatry, University of Missouri, Columbia, Mo. 65201.

MacDONALD, DR. E(DMUND) F(RANK), b. Kearny, N.J., Dec. 22, 08; m. 47. ECONOMICS. Ph.D.(econ), Virginia, 42. Instr. econ, Ohio, 39-41; assoc. prof, Richmond, 41; assoc. bus. economist, Off. Price Admin, 42; indust. economist, FED. RESERVE BANK OF RICHMOND, Va, 46-61, V.PRES. IN CHARGE CHARLOTTE BR, 61- U.S.N., 42-45, Lt. Comdr. Money and banking; finance; industry. Address: 1984 Ferncliffe Rd, Charlotte, N.C. 28211.

MACDONALD, ELEANOR JOSEPHINE, b. West Somerville, Mass, Mar. 4, 06. EPIDEMIOLOGY. A.B. Radcliffe Col, 28, Harvard, 28-36. Statistician, Mass. Dept. Pub. Health, 30-35, epidemiologist, 35-40; res. statistician, div. cancer res. Conn. State Dept. Health, 41-48; EPIDEMIOLOGIST, UNIV. TEXAS M.D. ANDERSON HOSP. & TUMOR INST, 48-, mem. adv. cmt. biomat. & sci. comput, 62-63. Vis. lectr. dent. sch, Tufts, 33-43; lectr, Regis Col, 36-38; Emanuel Col, 38-41; asst. clin. prof. sch. med, Yale, 48-60; prof. biostatist, postgrad. sch. med, Texas, 48-63, grad. sch. biomed. sci, Houston, 63-65, epidemiol, 65- Consult, Nat. Cancer Adv. Coun, 44-46; Mem. Hosp, New York, 47-57; consult. epidemiologist, Tex. Dept. Health, 49-; consult. statistician Tex. Cancer Coord. Coun, 49-; biostatistician, Southwest Cancer Chemother. Study Group, 57-60; statist. consult, dept. pediat, col. med, Baylor, 58-62; consult, task force data processing, Tex. Med. Center, 63-64. Chmn. definitions cmt, end results eval. sect, Cancer Chemother. Nat. Serv. Center, 58-59. AAAS; Asn. Cancer Res; Pub. Health Cancer Asn. Am.(secy-treas, 51-57, pres, 58); Pub. Health Asn; Biomet. Soc; Radium Soc; Inst. Math Statist; Statist. Asn; Math. Soc; Col. Surg. Epidemiology of cancer. Publ: Epidemiology of cancer of the head and neck, In: Cancer of the head and neck, Williams & Wilkins, 65; Epidemiology of gastric cancer, In: Cancer of the gastrointestinal tract, Year Book, 67; Regional patterns in mortality from cancer in the United States, Cancer, 5/67. Address: University of Texas M.D. Anderson Hospital & Tumor Institute, 6723 Bernier Dr, Houston, Tex. 77025.

McDONALD, PROF. EUGENE T(HOMAS), b. Brownsville, Pa, May 24, 16; m. 40; c. 2. SPEECH. B.S. Pa. State Teachers Col, California, 38; M.Ed, Pa. State, 40, D.Ed.(psychol), 42. Asst. speech & hearing clin, Pa. State, 38-40; county supvr. spec. ed, State Dept. Pub. Instr, Pa, 40-44; res. analyst, nat. defense res. cmt. proj, PA. STATE, 44-45, acting dir, speech & hearing clin, 45-46, dir, 46-64, RES. PROF. SPEECH PATH, 64- Consult, Matheny Sch. Cerebral Palsied Children, Peapack, N.J., 58-; Home of Merciful Sav-

- four for Crippled Children, Phila, Pa, 60- Fel. Psychol. Asn; fel. Speech & Hearing Asn; Acad. Cerebral Palsy. Clinical speech and psychology. Publ: Understand those feelings, 62 & Articulation testing and treatment, 64, Stanwix; co-auth, Cerebral palsy, Prentice-Hall, 64. Address: Dept. of Speech Pathology, Pennsylvania State University, University Park, Pa. 16801.
- McDONALD, DR. F(RANKLIN) R(ANDOLPH), b. Chicago, Ill, Apr. 11, 18; m. 44; c. 1. CLINICAL PSYCHOLOGY. B.A. Arizona, 42; Ph.D.(clin. psychol.), Southern California, 52. Clin. psychologist, Vet. Admin. Hosp, Tuskegee, Ala, 47-48, Los Angeles, Calif, 48-52; chief clin. psychologist, Los Angeles County Gen. Hosp, 52-60; clin. psychologist, Rancho Los Amigos Hosp, Calif, 60-66; CLIN. PSYCHOLOGIST, OUTPATIENT PSYCHIAT. CLIN, VET. ADMIN. HOSP, 66-; ASST. PROF. PSYCHOTHER, ARIZONA, 67- Instr. col. med. Loma Linda; assoc. clin. psychologist, sch. med, Southern California, 54-60, clin. assoc, 56-65; chief psychologist, Central City Ment. Health Center, Los Angeles, Calif, 63-65; clin. psychologist, Ariz. State Hosp, Phoenix, 65-66. Consult, probtn. dept, Los Angeles County, 52-54; Miller Psychiat. Group, 53-60; private practice, 53-64. U.S.A., 43-46. Psychol. Asn; Soc. Proj. Tech. & Personality Assessment. Socio-cultural effects on Negroes; ethnic dynamics; ethnopneumology. Publ: Psychological flight from black identity; Mother-child relationship in the genesis of neurodermatitis; Differential effects of cultural pressure on projective test performances of Negroes, body image in post partum psychoses. Address: 2842 W. Vermont, Tucson, Ariz. 85706.
- McDONALD, PROF. GLENN E(WEN), b. Churchbridge, Sask, Aug. 21, 25; m. 50; c. 2. EXPERIMENTAL PSYCHOLOGY. B.Ed. Saskatchewan, 51; M.A. Toronto, 55, fel. & Ph.D.(psychol), 58. Res. assoc. PSYCHOL, TORONTO, 57-58, instr, 58-59, lectr, 59-60, asst. prof, 60-61, assoc. prof, 61-64, PROF, 68-, assoc. chmn. dept, 67-68. R.C.N., 43-45. AAAS; Am. Psychol. Asn; Animal Behav. Soc; Can. Psychol. Asn. Imprinting, behavioral development; learning. Address: Dept. of Psychology, University of Toronto, Toronto 5, Ont, Can.
- McDONALD, DR. GORDON D(IXON), b. Brooklyn, N.Y., May 5, 09; m. 58. ECONOMICS. B.A., N.Y. Univ, 35, scholar, 40, M.A., 41, Ph.D.(land econ. & real estate), 52. Asst. auditor, Certain-teed Prod. Corp, 29-42; instr. real estate, sch. commerce, N.Y. Univ, 46-50; dir. res, Real Estate Bd. N.Y., Inc, 50-66; DIR. RES. DEPT, INT. COUN. SHOPPING CENTERS, 66- Lectr, Hunter Col, 56- U.S.A.A.F, 42-46, Capt. Econ. Asn; Finance Asn; Statist. Asn; Soc. Pub. Admin; Am. Acad. Arts & Sci. Urban land economics; real estate; finance. Publ: Apartment building construction, Manhattan, New York, 1900 to 1954; collab, New York City and its peak in real estate property taxation & New York metropolitan region: social forces and the flight to suburbia, Land Econ. Address: International Council of Shopping Centers, 445 Park Ave, New York, N.Y. 10022.
- McDONALD, PROF. H(ENRY) MALCOLM, b. San Francisco, Calif, May 21, 14. GOVERNMENT. A.B. San Francisco, 35; A.M. Harvard, 37, Ph.D., 39. Instr, Texas, 38-41; U.S. Naval Acad, 45-46; asst. prof. GOVT, TEXAS, AUSTIN, 46, assoc. prof, 47-53, PROF, 53-, MIL. COORDINATOR, 53-, chmn. dept, govt, 57-66, ad interim dean, Col. Arts & Sci, 67. Johnson vis. prof, Pomona Col. & Claremont Grad. Center, 66. Mem. Secy. Navy's Bd. Ed. Policy, 62-66; Tex. Legis. Internship Adv. Cmt, 62-; Bur. Naval Personnel Ed. Task Force, 66- Polit. Sci. Asn; Soc. Polit. & Legal Philos; Royal Econ. Soc. Comparative jurisprudence; twentieth century political theory. Publ: Co-auth, Outside readings in American government; auth, The intellectual in politics, Univ. Texas, 66 & Government under law, Southern Methodist Univ. Studies in Jurispr, 61. Address: Dept. of Government, University of Texas, Austin, Tex. 78712.
- McDONALD, H(UGH) IAN, b. Toronto, Ont, June, 27, 29; m. 60; c. 1. ECONOMICS. B.Com, Toronto, 52; B.A. Oxford, 54, B.Phil, 55, M.A., 58. Lectr. econ, Toronto, 55-62, asst. prof, 62-65, dean men, univ. col, 56-65; chief economist, GOVT, 65-67, DEP. MINISTER FINANCE & ECON, 67- Chmn. Ont. Adv. Cmt. on Confederation, 65- Can. Inst. Int. Affairs; Am. Econ. Asn; Can. Econ. Asn; Royal Econ. Soc. International economic policy; foreign investment in Canada; federal-provincial relations. Publ: American economy of abundance, Can. J. Econ. & Polit. Sci; European common market; ket; Canada's foreign economic policy. Address: Dept. of Finance & Economics, Parliament Bldg, Toronto, Ont, Can.
- McDONALD, DR. I(AN) M(acLAREN), Psychiat, see 11th ed, Phys. & Biol. Vols.
- McDONALD, PROF. J(AMES) KENNETH, b. Norton, Kans, Dec. 30, 31; m. 62; c. 2. INTERNATIONAL AFFAIRS, HISTORY. B.A. Yale, 54; B.Litt, Oxford, 61. Asst. prof. INT. AFFAIRS, GEORGE WASHINGTON, 61-68, ASSOC. PROF, 68-, DIR. UNIV. CENTER, NAVAL WAR COL, NEWPORT, R.I., 64-, asst. dir. univ. center, Air Univ, Maxwell Air Force Base, Ala, 62-63, univ. center, Army War Col, Carlisle Barracks, Pa, 63-64. Lectr, Oxford, 60, sr. mem, St. Antony's Col, 68-69; vis. fel, Yale, 68. Vis. consult. int. rels, Naval War Col, Newport, 66-67. U.S.M.C., 54-58, Res, 58-, Maj. Inst. Strategic Studies; Acad. Polit. Sci; Hist. Asn; Polit. Sci. Asn. Anglo-American relations between World Wars I & II; British naval policy in the Pacific and Far East, 1919-22; 18th century political theory; Montesquieu. Address: School of Public & International Affairs, George Washington University, Washington, D.C. 20006.
- McDONALD, DR. JAMES R(OBERT), b. San Francisco, Calif, Jan. 28, 34; m. 60; c. 2. GEOGRAPHY. A.B. Antioch Col, 55; M.A. Illinois, 56, univ. fel, 59-60, Soc. Sci. Res. Coun. fel, 61-62, Ph.D.(geog), 64. Asst. prof. GEOG, California, Los Angeles, 63-65; ASSOC. PROF, EASTERN MICHIGAN, 65- Nat. Sci. Found. fel, 66-67; Soc. Sci. Res. Coun. faculty res. grant, 67-68. Intel. C. U.S.A., 56-59. AAAS; Asn. Am. Geog. Human migrations, especially rural-urban movements; cultural geography of Western Europe, especially France. Publ: The repatriation of French Algerians, 1962-1963, Int. Migration, 65; Publication trends in a major French geographical journal, 65 & The region: its conception, design, and limitations, 66, Ann. Asn. Am. Geog. Address: Dept. of Geography, Eastern Michigan University, Ypsilanti, Mich. 48197.
- MacDONALD, PROF. JOHN, b. Farr, Scotland, Oct. 10, 25; m. 52; c. 2. EDUCATIONAL PSYCHOLOGY. M.A. Edinburgh, 50; Ed.B. Glasgow, 53, Carnegie scholar, 54-57, Ph.D.(ed. psychol), 57. Asst. prof. ed. psychol, Alberta, 58-62, assoc. prof, 62-66, PROF. ED, SIR GEORGE WILLIAMS, 66- Chief consult. teacher ed, Can. Teachers' Fedn, 66- Mil. Intel, Brit. Army, 44-48. Brit. Psychol. Soc; Can. Coun. Res. Ed. Cognitive theory; group interaction; social attitudes: development of an adequate psychology of education; teacher education. Publ: Understanding yourself and your society, Macmillan of Can, 64; The social ideas of Canadian educators, Comp. Ed. Rev, 65; The topmost layer, Comp. Ed, 66. Address: Dept. of Education, Sir George Williams University, Montreal 25, Que, Can.
- MacDONALD, DR. JOHN M(ARSHALL), b. Dunedin, N.Z., Nov. 9, 20; U.S. citizen; m. 52; c. 3. PSYCHIATRY. M.D. New Zealand, 46; Edinburgh, 49-50; dipl, London, 50. House physician, N.Plymouth Gen. Hosp, 46; asst. physician, Belmont Hosp, London, Eng, 48-49; Royal Edinburgh Hosp, 49-51; instr. PSYCHIAT, SCH. MED, COLORADO, 51-54, asst. prof, 54-61, ASSOC. PROF, 61-, DIR. FORENSIC PSYCHIAT, MED. CENTER, 60- Assoc. dir, inpatient serv, Colo. Psychopath. Hosp, 60-68. Med. consult, Vet. Admin. Ft. Lyon Hosp, 59-66; Colo. State Hosp, 62-; U. S. Army Fitzsimons Gen. Hosp, 64- Med. adv. Soc. Security Admin, 64- Fel, Royal Col. Physicians, 63. Royal N.Z. Army Med.C., 47-48, Capt. Fel. Psychiat. Asn; Am. Med. Asn. Forensic psychiatry. Publ: Psychiatry and the criminal, 58 & The murderer and his victim, 66, C.C. Thomas. Address: 4200 E. Ninth Ave, Denver, Colo. 80220.
- McDONALD, DEAN JOSEPH LEE, Econ, see 10th ed, Soc. & Behav. Vols.
- McDONALD, PROF. LEE C(AMERON), b. Ore, Feb. 22, 25; m. 46; c. 5. POLITICAL SCIENCE. B.A. Pomona Col, 48; M.A. California, Los Angeles, 49; fel, Harvard, 50-52, Ph.D.(polit. sci), 52. Asst. prof. GOVT, POMONA COL, 52-59, assoc. prof, 59-62, PROF, 62- Danforth Found. Harbison teaching award, 63, mem. selection bd, 64-67; chmn. cmt. faculty interests, Nat. Coun. Churches, 66- U.S.A.A.F, 43-45. Polit. Sci. Asn; Soc. Polit. & Legal Philos. Political theory; political behavior. Publ: Western political theory: the modern age; co-auth, Myth, religion and politics, Bd. Higher Ed, Methodist Church, 65; auth, Western political theory, Harcourt, 68. Address: Dept. of Government, Pomona College, Claremont, Calif. 91711.
- McDONALD, DR. LOIS, b. Winnsboro, S.C., Aug. 28, 97. ECONOMICS. A.B. Erskine Col, 18, hon. Litt.D., 58; A.M. Columbia, 19; London, 24-25; Penfield fel, N.Y. Univ, 27-28, Ph.D., 29. Instr. econ, N.Y. Univ, 28-31, asst. prof, 32-38, assoc. prof, 38-45, prof, 45-62, res. dir, Inst. Labor Rels. & Soc. Security, 47-62; RETIRED. Economist, Nat. War Labor Bd, 42-44, pub. mem, 44-45. Econ. Asn; Indust. Rels. Res. Asn; Acad. Arbit. Labor legislation and social security; government control of labor relations. Publ: Selection and tenure of arbitrators in labor disputes; Compulsory arbitration in New Jersey; Leadership dynamics and the trade union leader. Address: Brookville Hollow Rd, Stockton, N.J. 08559.
- McDONALD, PROF. NEIL A(LONZO), b. U.S., Sept. 1, 10. POLITICAL SCIENCE. A.B. Hastings Col, 34; Ph.D. Harvard, 43. Teaching fel. & instr, Harvard, 41-45; asst. prof. POLIT. SCI, DOUGLASS COL, RUTGERS, 45-48, assoc. prof, 48-56, PROF, 56- Polit. Sci. Asn; Soc. Pub. Admin. Relation between political thought and institutions, especially to political party systems and administrative agencies; Western political heritage. Publ: The study of political parties. Address: Dept. of Political Science, Douglass College of Rutgers, The State University, New Brunswick, N.J. 08903.
- McDONALD, DR. NEIL WILLIAM, b. Calgary, Alta, Aug. 21, 36; m. 60; c. 3. PSYCHOLOGY, MASS COMMUNICATION. B.A. British Columbia, 58, M.A., 60, premed. life sci. & bus. admin, 68-; Ph.D.(mass commun), Minnesota, 66; M.S. Oregon, 67. Prin. investr, U.S. Off. Health, Ed. & Welfare grant, 64-65; asst. prof. psychol, St. Francis Xavier, 65-66; Laurentian Univ, 66-67; head instr. commun, B.C. Inst. Tech, 67; PSYCHOLOGIST, VANCOUVER CITY COL, 68- Bolocan Mem. award, 59. Am. Psychol. Asn; Sociol. Asn; Asn. Pub. Opinion Res; Mkt. Asn; Can. Psychol. Asn. Attitudes to changing technology, particularly medical advances; preference research. Publ: A study of contemporary dating-mating theory and its relation to future research, B.C. Acad. Sci, 2/60; co-auth, Recognition responses as related to more general reader claims, Journalism Quart, 64. Address: Dept. of Psychology, Vancouver City College, Vancouver, B.C., Can.
- McDONALD, OWEN P, b. S.Dak, June 5, 16; m. 42; c. 3. PUBLIC ADMINISTRATION. A.B. Nebr. State Col.(Chadron), 39; M.A. American Univ, 54. Orgn. & methods exam, Vet. Admin, 46-48; mgt. div. secy, air staff hqs, U.S. Dept. Air Force, 48-51, chief systs. & procedures br, 51-55; OFF. ASST. SECY. DEFENSE, PENTAGON, 55-68, PROG. ANALYST, 68-, LIAISON OFFICER COORDINATOR WASH. D.C. AREA, AIR FORCE ACAD, 67- U.S.A.A.F, 42-46, Res, 46-, Col. Polit. Sci. Asn. Program scheduling and planning; systems engineering; evaluation and appraisal. Address: 9000 Linton Lane, Alexandria, Va. 22308.
- MacDONALD, DR. PATRICIA A(NN), b. Bothell, Wash, Jan. 8, 24. PSYCHOLOGY. B.A. Washington (Seattle), 45; M.A. Rochester, 48, Ph.D., 52. Res. assoc, Washington (Seattle), 53; vis. asst. prof. PSYCHOL, West. Wash. Col. Ed, 54; asst. prof, WHITWORTH COL, 55-57, assoc. prof, 57-66, PROF, 66- Psychol. Asn. Evaluating the results of teaching; use of interest inventories in vocational prediction. Address: Dept. of Psychology, Whitworth College, Spokane, Wash. 99218.
- McDONALD, DR. PHILIP R, b. Vancouver, B.C., May 4, 35; m. 61; c. 2. MARKETING, MANAGEMENT. B.A. British Columbia, 58; Teagle Found. & G.F. Baker Found. fcls. & M.B.A. Harvard, 60, D.B.A.(bus), 67. Price analyst, imp. Oil Ltd, 56-59; res. asst. bus. sch. bus, Harvard, 60-61, res. assoc, 61-62, instr, 62-63; asst. prof. MKT. & ORGN, State Univ. N.Y. Buffalo, 63-68, ASSOC. PROF, NORTHEASTERN, 68- Can. Army, 52-55, 2nd Lt. Mkt. Asn; Inst. Mgt. Sci. Selection and modification of business strategy in response to environmental change and monitoring their environment to identify relevant changes. Address: Dept. of Marketing, Northeastern University, Boston, Mass. 02115.

MACDONALD, PROF. ROBERT M(UNRO), b. Glasgow, Scotland, July 9, 23; m. 53; c. 2. ECONOMICS. B.A., Yale, 50, M.A., 51, Ph.D., 55; hon. M.A., Dartmouth Col., 66. Asst. prof. econ, California, Los Angeles, 53-56; Yale, 56-59; assoc. prof. BUS. ECON, AMOS TUCK SCH. DARTMOUTH COL., 59-64, PROF., 64- R.N.V.R., 41-45, Lt. Econ. Asn; Indust. Rels. Res. Asn. Wage policy and structures; labor relations and collective bargaining. Publ: Collective bargaining in the automobile industry, Yale, 63; An evaluation of the economic analysis of unionism, 7/66 & Collective bargaining in the post-war period, 7/67, Indust. & Labor Rels. Rev. Address: Amos Tuck School, Dartmouth College, Hanover, N.H. 03755.

McDONALD, DR. RONALD H(AMMOND), b. Orange, Calif., May 19, 35; m. 62. POLITICAL SCIENCE. B.A., Pomona Col., 57; M.A., California, Los Angeles, 58, Am. Polit. Sci. Asn. cong. fel., 61-62, Ph.D.(polit. sci.), 63. Instr. POLIT. SCI., California, Los Angeles, 62-63; ASST. PROF., MAXWELL SCH., SYRACUSE, 63- For. Area Fel. Found. res. fel. Latin Am. 65-68. Consult., Calif. State Legis. Republicans, 62-63; N.Y. State Legis. Republicans, 64-65. Polit. Sci. Asn; Latin Am. Studies Asn. Latin American politics, especially elections, voting and political parties. Publ: Stable political change in Central America: three recent examples, Atenea, 12/66; Protest and alienation in voting: the case of Colombia, Inter-Am. Econ. Affairs, fall 67; Electoral systems, party representation, and political change in Latin America, West. Polit. Quart., 9/67. Address: Dept. of Political Science, Maxwell School, Syracuse University, Syracuse, N.Y. 13210.

McDONALD, DR. ROY D., b. Ennis, Tex., Nov. 19, 33; m. 62; c. 2. PSYCHOLOGY. B.A., Texas, 55, Ph.D.(psychol.), 62. Intern. clin. psychol., Mass. Ment. Health Center, 62-63; ASSOC. PROF. PSYCHOL., SAN DIEGO STATE COL., 63- U.S.A., 55-58. Psychol. Asn. Psychotherapy; small group processes. Address: Dept. of Psychology, San Diego State College, San Diego, Calif. 92115.

McDONALD, PROF. SCOTT WARD, b. Miami, Okla., Jan. 5, 31. PSYCHOLOGY. B.S., Okla. State, 53, M.S., 54. Instr. PSYCHOL., Bethany Col.(W.Va.), 55-57; Okla. State, 58-61; asst. prof., West. State Col. Colo., 61-62; ASSOC. PROF. Wis. State, La Crosse, 62-63; CALIFORNIA STATE COL.(PA), 63- Clin. psychologist, State Hosp. Serv., Okla., 56-; instr., Vet. Admin. Hosp., Tomah, Wis., 62-63. Clin. psychologist consult., State Training Sch. for Boys, Helena, Okla., 58; consult., Kerby Serv., Okla., 59-61; Adult Voc. Sch., La Crosse, 62-63. AAAS. Attitudinal and personality characteristics as variables affecting behavioral science experiments; physiological measurement as applied to psychological experiments. Publ: Co-auth. Intelligence—a reevaluation, Proc. W.Va. Acad. Sci., 56; Authoritarianism in teachers, Proc. Okla. State Psychol. Asn., 60. Address: Dept. of Psychology, California State College, California, Pa. 15419.

McDONALD, PROF. STEPHEN L(EE), b. Arkadelphia, Ark., Aug. 8, 24; m. 45; c. 2. ECONOMICS. B.A., La. Polytech., 47; M.A., Texas, 48, univ. fel., 48-50, Swift fel. & Ph.D.(econ), 51. Asst. prof. econ, Texas, 50-56; economist, Humble Oil & Refining Co., 56-57; assoc. prof., La. State, 57-59; PROF., 59-61; ECON, TEXAS, 61- Staff assoc., Brookings Inst., 61-63; Ford Found. res. grant, 64; Resources for the Future res. grant, 64-67. Consult. economist, 53-56, 57- Ed. South. Econ. J., 61-64. Mem. econ. adv. panel, Nat. Sci. Found., 61-64. U.S.N., 43-46, Lt.(jg). Econ. Asn; Finance Asn. Monetary economics; regional economic development; theory and practice of petroleum conservation. Publ: Federal tax treatment of income from oil and gas, Brookings, 63; Internal drain and bank credit expansion, J. Finance; Boisguilbert: a neglected precursor of aggregate demand theorists, Quart. J. Econ. Address: Dept. of Economics, University of Texas, Austin, Tex. 78712.

McDONALD, DR. WALTER T(HOMAS), b. Brooklyn, N.Y., Jan. 25, 27; m. 52; c. 2. CLINICAL PSYCHOLOGY. A.B., Adelphi Col., 50; M.S., Purdue, 53; Ph.D.(clin. psychol.), Houston, 56. Psychologist, Galveston Child Develop. Center, Tex., 54-55; sr. clin. psychologist, Larned State Hosp., Kans., 55-57; proj. dir., clin. psychol., Minnehaha Guid. Center, Sioux Falls, S.Dak., 57-61, chief psychologist, 61; PSYCHOLOGIST, BACON CLIN., 61- Lectr., Univ. Wisconsin Racine Center, 62- U.S.N., 45-46. Psychol. Asn; Acad. Psychother. Behavior modification with children. Address: Bacon Clinic, 524 Main St., Racine, Wis. 53403.

MACDONALD, WENDELL D(ANIEL), b. Bridgewater, Mass., Dec. 22, 08; m. 52; c. 4. ECONOMICS. A.B., Harvard, 31, M.B.A., 33, 43-44. Dist. mgr., W.L. Thompson Co., Inc., 34-38; analyst, price structure div., Schenley Distillers Corp., 39-40; Commercial Invest. Trust, 40-41; regional price economist, NEW ENG. REGION, U.S. BUR. LABOR STATIST., 42-43, DIR., 44-; LECTR. ECON, BOSTON, 46- Mem. faculty, grad. mgt. training prog., Radcliffe Col., 50, 52. Consult., Govt. of P.R., 50; Orgn. European Econ. Coop. & European Prod. Admin., 53. Chmn. Boston Fed. Exec. Bd., 65-67. Meritorious serv. award, U.S. Dept. Labor, 56, distinguished serv. award, 64; Rockefeller pub. serv. award, 57. Econ. Asn; Statist. Asn; Indust. Rels. Res. Asn. Wages, prices and cost of living; employment; productivity. Publ: Carroll D. Wright and his influence on the BLS & Profiles of worker family living in Boston, Monthly Labor Rev; Jobs: problems for the sixties, Industry. Address: Room 1603-B, John F. Kennedy Federal Bldg., Boston, Mass. 02203.

McDONALD, COL. WILLIAM G(ERALD), Econ, Int. Rels., see 10th ed, Soc. & Behav. Vols.

MacDONNELL, DR. JOHN F(RAZIER) F(RANCIS), b. Baltimore, Md., Jan. 25, 17; m. 45; c. 8. GUIDANCE. B.A., Boston Col., 39; Ed.M., Harvard, 50; Ed.D., Boston, 55. Teacher, pub. schs., Maine, 46-48; Mass., 48-51; apprentice training sch., Boston Naval Shipyard, 51-53; counsr. voc. guid., pub. schs., 53-55; dir., county off. student personnel serv., State Univ. N.Y. Col. Ed.(Oneonta), 55-58; dir. guid. & testing, West Islip Pub. Schs., 58-62; supt., Wrentham Pub. Schs. & King Philip Regional High Sch., Mass., 62-64; prof. ed. & dir. student teaching, Mass. State Col. Bridgewater, 64-67; SUPT., NEWPORT PUB. SCHS., R.I., 67- Lectr., Mass. State Col., Framingham, 63-64. Summers, lectr., State Univ. N.Y. Col. Ed. (Cortland), 57-58; guid. & counseling inst., Rochester, 60. Consult., State Univ. N.Y. Col. Ed. (Plattsburg), 59; Elem. & Sec. Ed. Act proj. consult., 65-67. Ed. News Bull., 57-62.

Psychol. Asn. Psychological testing and counseling of adolescents; educational and vocational objectives; personal, social and emotional problems. Publ: City wide directors of guidance, Personnel & Guid. J. Address: 94 Pleasant St., Plainville, Mass. 02762.

McDONOUGH, DR. JOSEPH M(ANNING), b. New York, N.Y., May 23, 25; m. 49; c. 1. PSYCHOLOGY. A.B., Princeton, 50; M.S., Miami (Fla.), 55; Ph.D., Mich. State, 58. Intern psychol., Vet. Admin. Hosp., Battle Creek, Mich., 55-58; staff psychologist, South. Fla. State Hosp., 58-59; VET. ADMIN. HOSPS, Coral Gables, Fla., 59-61, chief counseling psychologist, PALO ALTO, 61-67, CONSULT. WORK REHAB. PROGS, 67- Clin. assoc. prof., Miami (Fla.), 58-59. U.S.N., 43-46. Psychol. Asn. Rehabilitation of neuro-psychiatric hospitalized patients; visual perception and brain damage. Address: Veterans Administration Hospital, Palo Alto, Calif. 94304.

McDONOUGH, DR. LEAH B(ROOKS), b. New York, N.Y., Apr. 24, 24; m. 49; c. 1. PSYCHOLOGY. B.A., Col. of New Rochelle, 44; M.A., Fordham, 46; Ph.D., Mich. State, 58. Asst. psychologist, State Village Epileptics, N.J., 46-47; res. psychologist, State Psychiat. Inst., N.Y., 47-49; clin. psychologist, Vet. Admin., 49-50, 58-60; SAN MATEO COUNTY MENT. HEALTH SERV., 61-67, PSYCHOLOGIST-IN-CHARGE, COURTS & CORRECTIONS UNIT, 67- Psychol. Asn. Motivation; psychology and the law; behavior modification. Publ: Inhibited aggression in essential hypertension, J. Clin. Psychol., 10/64; co-auth. The day center as an alternative to the psychiatric ward, Ment. Hyg., 4/65. Address: 1643 Edgewood Dr., Palo Alto, Calif. 94303.

MacDOUGALL, PROF. CURTIS D(ANIEL), b. Fond du Lac, Wis., Feb. 11, 03; m. 29, 42; c. 5. SOCIOLOGY. B.A., Ripon Col., 23; M.S., Northwestern, 26; Ph.D.(sociol.), Wisconsin, 33; Litt.D., Columbia Col., 66. Asst. prof. journalism, Lehigh, 27-31; lectr., Wisconsin, 31-33; reporter, St. Louis Star-Times, 33-34; ed., Evanston Daily News Index, 34-37; Nat. Almanac & Year Book, 37-39; News Map of Week, 39-40; state supt., Ill. Writers Proj., 40-41; ed. writer, Chicago Sun, 42; PROF. JOURNALISM, NORTHWESTERN, 42- Consult., Fuller Newspapers, 59-60; Chicago South End Reporter, 61-64; Random House Dictionary, 66; Encyclop. Britannica Year Book, 67. Sociol. Asn; Asn. Pub. Opinion Res; Soc. Study Social Probs; Asn. Ed. Journalism (2nd v.pres., 65). Journalism and public opinion; third political party movements; propaganda analysis. Publ: Interpretative reporting; Understanding public opinion; Gideon's army, Marzani, 65. Address: 537 Judson Ave., Evanston, Ill. 60202.

MacDOUGALL, DR. E(DWARD) BRUCE, b. Sault Ste. Marie, Ont., Aug. 17, 39; m. 60. GEOGRAPHY. B.Sc.F., Toronto, 61, M.Sc.F., 62, Ph.D.(geog.), 67; Ottawa, 62-63. High sch. teacher, Collegiate Inst. Bd. Ottawa, 62-63; teaching asst. GEOG., TORONTO, 63-66, lectr., 66-67, ASST. PROF., 67- Res. asst. Ont. Govt., 63. Patterns of land use in relation to physical and human variables; quantitative analysis, digital computers and cartographic input-output procedures; coherent optical processing of remotely sensed imagery. Address: Dept. of Geography, University of Toronto, Toronto 5, Ont., Can.

McDOUGALL, JOHN L(ORNE), b. Tayside, Ont., Jan. 1, 00; m. 27; c. 4. ECONOMICS. B.A., Toronto, 21, MacKenzie fel., 21-22, M.A., 23; London Sch. Econ., 23-24; Harvard, 24-25. Instr. Texas, 25-26; lectr., Toronto, 26-27; chief statistician, Can. Gen. Securities, Ltd., 27-31; from asst. prof. to prof. commerce, Queen's (Ont.), 32-66; PRES., McDOUGALL CONSULT., LTD., 55-Vis. fel., Princeton, 49-50. Mem. Can. Transportation Res. Forum, 64-Royal Econ. Soc. Current economic problems of transportation. Publ: Canadian Pacific Railway, McGill Univ., 68. Address: 253 Albert St., Kingston, Ont., Can.

McDOWELL, DR. A(RNOLD) A(LBERT), Exp. Psychol., see 10th ed, Soc. & Behav. Vols.

McDOWELL, DR. ELIZABETH D(ICKINSON), b. Selma, Ala., June 7, 93; m. 24; c. 1. PSYCHOLOGY. A.B. & B.S., Judson Col., 14; M.A., Columbia, 20, Ph.D.(psychol. & ed), 28. From assoc. to asst. prof. speech, Teachers Col., Columbia, 24-34, assoc. prof. & head dept., 34-38; psychologist & speech therapist, pub. schs., N.J., 44-47; psychologist, State Bd. Child Welfare, N.J., 47-56; prin. psychologist, N.J. Ment. Health Center, 56-63; CONSULT. PSYCHOLOGIST, 63- Psychologist, Mercer Ment. Hyg. Bur., 56-60. Consult. psychol., N.J. Bur. Children's Serv., 65-; child develop., Coping Clin., West Phila. Ment. Health Consortium, 67- AAAS; fel. Psychol. Asn; fel. Speech & Hearing Asn. Speech communication; child development. Publ: Education and emotional adjustments of stuttering children. Address: 91 Hillcrest Ave., Trenton, N.J. 08618.

McDOWELL, DR. EUGENE EARLY, III, b. Greensboro, N.C., Mar. 16, 39; m. 60; c. 3. PSYCHOLOGY. B.A., North Carolina, Chapel Hill, 61, Ph.D.(psychol.), 66; M.A., DePauw, 63. Instr. PSYCHOL., NORTH CAROLINA, GREENSBORO, 65-66, ASST. PROF., 66- Psychol. Asn. Child development; operant behavior; educational psychology. Publ: A programed method of reading instruction for use with kindergarten children, Psychol. Record, 68. Address: Dept. of Psychology, University of North Carolina, Greensboro, N.C. 27412.

McDOWELL, DR. GLORIA M(AE), b. Dallastown, Pa., Mar. 3, 25. CLINICAL & EDUCATIONAL PSYCHOLOGY. B.A., Pa. State, 45, M.S., 50; Ph.D.(psychol.), Ottawa (Ont.), 58. Teacher, pub. schs., Pa., 45-51; PSYCHOLOGIST, Mayview State Hosp., Pa., 51-58; Fairfax County Schs., Va., 56-59; State Bd. Ed., Del., 59-60; Baltimore County Schs., 60-62; CARLISLE AREA SCH. DIST., 62- Instr., exten. dept., Delaware, 60. Psychol. Asn. Self concept; emotional factors in learning; perceptual disabilities. Address: Carlisle Area School District, Carlisle, Pa. 17013.

MacDOWELL, PROF. H(AROLD) WILLIAM, b. Jersey City, N.J., Mar. 25, 03; m. 31. ECONOMICS, MARKETING. B.S., N.Y. Univ., 33, M.B.A., 38, Ph.D.(econ), 52. Dist. sales mgr., Carteret Foundry Co., N.J., 27-32; secy., Nat. Recovery Admin., 32-35; coordinator, Newark Execs. Asn., Inc., 35-42, 47-52; exec. v.pres., Gen. Off. Supply Co., N.J., 46-47; asst. prof. MKT, sch. commerce, N.Y. UNIV., 52-53, assoc. prof., GRAD. SCH. BUS. ADMIN., 53-

- 68, PROF. 68- Consult, Newark Execs. Asn, Inc, 52- U.S.N, 42-46, Comdr. Econ. Asn; Mkt. Asn; Econ. Hist. Asn; Finance Asn. Cooperation among non-competitors throughout the world. Publ: Study of economic cooperation among non-competitors. Address: New York University, Graduate School of Business Administration, 100 Trinity Place, New York, N.Y. 10006.
- McDOWELL, PROF. H(ORACE) G(REELEY), b. Canton, Ohio, June 25, 22; m. 46; c. 2. GEOGRAPHY. A.B. Miami (Ohio), 49; M.A. Nebraska, 50. ASST. PROF. GEOG. New Hampshire, 50-56; Tennessee, 56-60; CHATTA-NOOGA, 60- U.S.A.A.F, 42-45. Asn. Am. Geog; Nat. Coun. Geog. Ed; Asn. Geol. Teachers. Economic and Latin American geography, especially rural aspects. Publ: Cotton in Mexico, J. Geog, 2/64. Address: Dept. of Geography & Geology, University of Chattanooga, Chattanooga, Tenn. 37403.
- McDOWELL, DR. JAMES V(AIL), Psychol, see 10th ed, Soc. & Behav. Vols.
- MACE, PROF. ALMON T(URLEY), b. Orleans, Ind, Mar. 30, 11; m. 34; c. 2. ECONOMICS. B.S. Purdue, 34, M.S. 36; California; Ph.D.(econ), George Washington, 56. From county super. to chief prog. anal. sect. nat. off. Farm Security Admin, U.S. Dept. Agr, 38-50, asst. dir. budget & statist. div, 50-55, chief prog. anal. oils & peanuts div, commodity stabilization serv, 55-61, dir. off. rural areas develop, 61-65, dep. adminstr. rural community develop. serv, 65-66; PROF. ECON. & HEAD DEPT. SOC. SCI, MADISON COL.(VA), 67- Econ. Asn; Agr. Econ. Asn; Int. Asn. Agr. Econ. Money and banking; public finance; production economics. Publ: Encouraging industry in the country, In: Yearbook Agr, U.S. Dept. Agr, 63; Rural areas development in the United States of America, Int. Symp, Paris, 3/66; Industrialization in rural areas, Am. Indust. Develop. Coun. J, 4/66. Address: Box 548, Madison College, Harrisonburg, Va. 22801.
- MACE, PROF. ARTHUR E(DWARD), b. Warren, Ohio, June 14, 16. STATISTICS, ECONOMICS. B.A. Amherst Col, 38; Ph.D.(econ), Chicago, 47. Jr. statistician, Bur. Labor Statist, 41-42; asst. prof. statist, Duke, 47-48; res. asst, California, Los Angeles, 48-49; assoc. consult. qual. control, J.N. Berretoni & Assoc, 50-51; supvr. sales anal. wire div, U.S. Steel Corp, 51-56; statistician & asst. chief math. physics div, Battelle Mem. Inst, 56-64; PROF. BUS. STATIST, OREGON, 64- U.S.A. 42-45, 1st Lt. Statist. Asn; Econ. Asn; Economet. Soc. Qual. Control. Econometrics; market analysis; industrial experimentation and dynamics; applied statistics; management science. Publ: Sample-size determination, Reinhold, 64; co-auth, Employment multiplier in an expanding industrial community, Los Angeles County, 1940-47, Rev. Econ. & Statist; Use of limit gages in process control, Indust. Qual. Control. Address: 1050 Ferry St, Eugene, Ore. 97401.
- MACE, DR. GEORGE R(AYMOND), b. Pueblo, Colo, June 3, 34; m. 55; c. 3. POLITICAL SCIENCE. B.A. Fresno State Col, 59; Stauffer fel, Claremont Univ. Col, 59-60, Ford fel, 60-62, Haynes fel, 62-63, Ph.D., 64. Asst. prof. POLIT. SCI, SOUTHERN ILLINOIS, 63-67, ASSOC. PROF, 67- U.S.A. 54-56. Polit. Sci. Asn. American political theory, social theory, and history of political and social theory. Publ: An abuse of words, West. Polit. Quart, 9/67. Address: Dept. of Government & Public Affairs, Southern Illinois University, Edwardsville, Ill. 62025.
- MacEACHRON, DR. DAVID W(ELLS), b. Grinnell, Iowa, Feb. 14, 23; m. 47; c. 3. ECONOMICS. B.A. Yale, 43; M.P.A. Harvard, 49, Ph.D.(polit. econ), 53. Econ. analyst, Econ. Coop. Admin, France, 49-51; budget analyst, U.S. Bur. Budget, 51-54; dir. prog, U.S. Coun. Int. Chamber of Commerce, 54-59; mgr. intgovt. affairs dept, Calif. Tex. Oil Corp, 59-61; prog. assoc. Ford Found, 61-62; dir. prog, COUN. FOR. RELS, 62-67, DEP. EXEC. DIR, 67- Lectr, int. fcls. prog, Columbia, 60-61. U.S.N.R., 43-46. Econ. Asn; Polit. Sci. Asn. International economics, especially commercial policy problems; problems of economic development. Publ: The trade agreements act: United States trade policy in a changing world economy; Information from the UN, Harvard Bus. Rev; The ABC's of the OECD, Challenge. Address: Council on Foreign Relations, 58 E. 68th St, New York, N.Y. 10021.
- MACEK, DR. ALBERT J., b. Milwaukee, Wis, July 7, 32; m. 60; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Iowa, 55, M.A., 57, Ph.D.(exp. psychol), 58. Sr. engr, Denver Div, Martin-Marietta, 60-61, design specialist & lab. & field test supvr, 61-62; prin. scientist, Honeywell, Inc, Minneapolis, Minn, 62-63; sr. res. scientist, N.Star Res. & Develop. Inst, 65-68; STAFF ENGR, HONEYWELL INC, 68- Nat. Inst. Ment. Health fel, Minnesota, 58-60; lectr, George Washington, 63. Field res. consult, Encyclop. Britannica Films, Denver, 60-61. Psychol. Asn. Research in human performance, especially acquisition, transfer and retention of verbal and motor skills; methods for evaluating adequacy of computer systems to serve the intended user. Publ: Effects of motivation on the performance of difficult and easy motor tasks, Proc. Iowa Acad. Sci, 57; Effects of providing a system for naming responses on performance of a discriminative perceptual motor task, Perceptual & Motor Skills, 60; co-auth, The relevant practice technique for maintaining psychomotor skills, Proc. Nat. Electronics Conf, 65. Address: 6236 Lockvale Dr, Palos Verdes Peninsula, Calif. 90274.
- MACEK, PROF. JOSEF, b. Krumpach, Czech, Sept. 13, 87; m. 15; c. 2. ECONOMICS. Dr. Jur, Charles Univ, Prague, 11. Counsr, Ministry Agr. & Land Off, Prague, 18-21; prof. ECON, Tech. Univ, 21-49; from lectr. to prof, PITTSBURGH, 50-57, EMER. PROF, 57- Lectr, Chatham Col, 57-61. Ed-in-chief, Our Era, Czech, 23-49. Economic theory; ethics; epistemology. Publ: Basic economics: An essay on the impact of Marxism. Address: 1517 Bellevue Ave, West Vancouver, B.C. Can.
- McELHOE, DR. FORREST LESTER, JR, b. Carnation, Wash, Feb. 15, 23; m. 53. GEOGRAPHY. B.A. Washington (Seattle), 48, M.A., 50; Ph.D.(geog), Ohio State, 55. Asst. GEOG, Ohio State, 51-55, instr, 55-56; KENTUCKY, 56-58, ASST. PROF, 58- U.S.A. 42-46. Urban geography, especially location of cities; effect of climate on man; economic geography, especially location of industry and crops. Address: Dept. of Geography, University of Kentucky, Lexington, Ky. 40506.
- McELRATH, DR. DENNIS CORNEALIUS, b. U.S. July 25, 29; m. 58. SOCIOLOGY. B.A. California, Santa Barbara, 52, M.A. Los Angeles, 54; univ. scholar & Commonwealth Fund fel, Yale, 56-58, Ph.D., 58. Asst. prof. sociol, Southern California, 58-59; Fulbright scholar, Univs. Rome & Genoa, 59-60; asst. prof, Northwestern, 60-65; ASSOC. PROF. SOCIOL. & CHMN. DEPT. SOCIOL. & ANTHROP, CALIFORNIA, SANTA CRUZ, 65- Sociol. Asn. Sociology of complex organizations; comparative urban analysis; medical sociology; analysis of professional organizations. Publ: Co-auth, The new urbanization, St. Martin's, 68; auth, Perspective and participation of physicians in prepaid group practice & Social areas of Rome, Am. Sociol. Rev. Address: Stevenson College, University of California, Santa Cruz, Calif. 95060.
- McELROY, DR. F. WILLIAM, b. Dublin, Ireland, May 18, 39; m. 64; c. 1. ECONOMICS. B.A. Univ. Col, Dublin, 60, M.A., 61; Ph.D.(econ), Georgetown, 67. Asst. lectr. math, Univ. Col, Dublin, 61-63; instr. ECON, Georgetown, 66-67; ASST. PROF, STATE UNIV. N.Y. BUFFALO, 67- Econ. Asn; Statist. Asn; Economet. Soc. Production theory; econometric methods. Publ: Note on the CES production function, Econometrica, 1/67; Returns to scale and spacing of isoquants; comment, Am. Econ. Rev, 3/67; A necessary and sufficient condition that ordinary least-squares estimators be best linear unbiased, J. Am. Statist. Asn, 12/67. Address: Dept. of Economics, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- McELROY, FRANK S(HAFER), b. Wilkesburg, Pa, Sept. 11, 02; m. 36. ECONOMICS. B.A. Princeton, 25. Economist & chief div. indust. hazards, bur. labor statist, U.S. Dept. Labor, 35-67; RETIRED. Chmn. cmt. work injury statist, U.S. Am. Standards Inst, 67- Soc. Safety Eng. Work injuries, workmen's compensation and traffic accident statistics. Publ: Work injuries in the United States; Accident causes and cause coding; Injuries and accident causes in textile dyeing and finishing. Address: 9233 Farnsworth Dr, Potomac, Md. 20854.
- McELROY, JACK C(ROW), Indust. Psychol, see 10th ed, Soc. & Behav. Vols.
- McELVANEY, DR. CHARLES T(HOMAS), b. Pomona, Calif, Nov. 29, 19; m. 53; c. 3. CLINICAL PSYCHOLOGY. B.A. Upsala Col, 49; M.A. Columbia, 51, Ph.D., 57. Psychologist & dir. guid. servs, Belleville pub. schs, N.J., 56-58; SUPVR. SPEC. ED, ALLEGHENY COUNTY SCHS, 57- U.S.A.A.F, 42-45, Sgt. Psychol. Asn. School psychology; effect of emotional factors on learning and memory; application of psychological principles in education; laboratory training in human reactions for school administrators. Address: Allegheny County Schools, 345 County Office Bldg, Pittsburgh, Pa. 15219.
- McENROE, DR. THOMAS, b. Des Moines, Iowa, Oct. 3, 20; m. 52; c. 2. POLITICAL SCIENCE. B.A. California, Los Angeles, 51, M.A., 52; Ph.D.(polit. sci), Minnesota, 60. Instr. POLIT. SCI, Macalester Col, 56-57; Wayne State, 57-60; asst. prof, CALIF. STATE COL. LOS ANGELES, 60-64, ASSOC. PROF, 64- Consult, Dickenson Pub. Co, 66- Polit. Sci. Asn. Theories of democracy; commonwealth organization. Address: Dept. of Government, California State College at Los Angeles, 5151 State College Dr, Los Angeles, Calif. 90032.
- McENTIRE, PROF. DAVIS, b. Harrisville, Utah, Oct. 15, 12; m. 32; c. 2. SOCIOLOGY. B.S. Utah State Col, 32; M.A. Duke, 33; Littauer fel. & M.P.A. Harvard, 41, Ph.D.(econ), 47. Economist, U.S. Dept. Agr, 34-42; asst. dir. employ, U.S. War Relocation Authority, 42-43; res. dir, Commonwealth Club, Calif, 43-44; res. consult, Am. Coun. Race Rels, 45-46; dep. chief, UN Relief & Rehab. Admin. Mission, Byelorussia, 46-47; assoc. prof. SOC. WELFARE, CALIFORNIA, BERKELEY, 47-54, PROF, 54-, LECTR. AGR. ECON, 62- Guggenheim fel, 53-54; lectr, Italian Sch. Soc. Serv, Italy, 54; res. dir, Cmn. Race & Housing, 55-59; mem. cmt. agr. sci, U.S. Bur. Census, 58-60; Fulbright res. scholar, Rome & Padua, 59-60, Catania & Urbino, 68; Sidney Hillman Found. prize, 61. Mem. cmt. agr. sci, U.S. Dept. Agr, 65- Sociol. Asn; Rural Sociol. Soc; Pop. Asn; Soc. Pub. Admin. Comparative agrarian reform policies in European and Latin American countries. Publ: Population of California; Residence and race; Housing and minority groups. Address: 1307 Bay View Place, Berkeley, Calif. 94708.
- MACESICH, PROF. GEORGE, b. Cleveland, Ohio, May 27, 27; m. 55. ECONOMICS. B.A. George Washington, 53, M.A., 54; Ph.D. Chicago, 58. Asst. econ, Chicago, 56-58; res. economist, U.S. Chamber Commerce, 58-59; asst. prof. ECON, FLA. STATE, 59-61, assoc. prof, 61-63, PROF, 63-, DIR. CENTER SLAVIC & EAST EUROPEAN STUDIES, 65- Dir, State Coun. Econ. Develop, Fla, 61-63; Fulbright sr. scholar & lectr, Belgrade, 65; vis. scientist, Nat. Sci. Found, 66- Econ. consult, U.S. Dept. Commerce. U.S.N., 44-53. Econ. Hist. Asn; Statist. Asn; Econ. Asn. Monetary theory; economic theory; statistics. Publ: Yugoslavia: the theory and practice of development planning, Univ. Virginia, 64; Commercial banking and regional development in the United States, Fla. State Univ, 65; Quantity theory and income expenditure theory in an open economy: Canada 1926-58, Can. J. Econ. & Polit. Sci, 8/64. Address: Dept. of Economics, Florida State University, Tallahassee, Fla. 32306.
- McEVILLA, PROF. J(OSEPH) D(AVID), b. Aspinwall, Pa, Sept. 11, 19; m. 43; c. 2. ECONOMICS. B.S. Pittsburgh, 49, Kelly fel, 50-52, M.S., 52, Ph.D. (pharm. admin), 55. Teaching fel. PHARMACEUT. ECON, PITTSBURGH, 50-52, instr, 52-55, asst. prof, 55-58, assoc. prof, 58-61, PROF, 61- Econ. study dir, Am. Pharmaceut. Asn. Found, 61- Consult, hosps, 50- U.S.M.C., 43-45. Econ. Asn; Pharmaceut. Asn; Am. Med. Asn; Pub. Health Asn. Competition and price determination; medical economics; business organization and operation. Publ: Chap, In: Remington's pharmaceutical sciences, Mack, 65; What makes an adverse drug reaction study valid, J. Am. Hosp. Asn, 9/67; Computerized prescription recording system, J. Am. Pharmaceut. Asn, 12/67. Address: Dept. of Pharmaceutical Economics, 708 Salk Hall, University of Pittsburgh, Pittsburgh, Pa. 15213.
- McEVOY, DR. RAYMOND H(ERRON), b. Atchison, Kans, Jan. 28, 22. ECONOMICS. A.B. Chicago, 42, A.M., 47, Ph.D., 50. Asst. prof. econ, Illinois, 48-52; economist, Fed. Deposit Ins. Corp, 52-55; from asst. prof. to assoc. prof. econ, Montana State, 55-60; chief mkt. res. sect, BANK OF AM, 60-63, SR. RES. CONSULT. sys. & equip. res, 63-68, MGT. SCI. DEPT, 68- U.S.A., 42-45. Ops. Res. Soc; Econ. Asn; Finance Asn. Monetary theory;

banking; survey research; statistics; management information systems. Address: Management Sciences Dept, Bank of America NT & SA, P.O. Box 3415, Rincon Annex, San Francisco, Calif. 94120.

McEWEN, PROF. NOBLE R(AlPH), b. Siluria, Ala, Feb. 9, 06; m. 43; c. 2. PSYCHOLOGY. A.B. Birmingham-South. Col. 27; M.A. Duke, 30, Ph.D.(ed. psychol), 41. Instr. ed. psychol, Duke, 32; prof. ed. & psychol, Salem Col, 33-47, head dept, 35-47; clin. psychologist, Children's Serv. Center, Wilkes-Barre, Pa, 47, 48; PROF. PSYCHOL, RANDOLPH-MACON COL, 49-. CHMN. DIV. SOC. SCI, 53-. Psychologist, Mem. Guid. Clin, Richmond, 51-67; Lor-Berg Clin, Richmond, 67-. Psychol. Asn. Child development; systems; psychological testing. Address: 401 College Ave, Ashland, Va. 23005.

McEWEN, ROBERT J(OSEPH), S.J, b. Dorchester, Mass, June 6, 16. ECONOMICCS. A.B. Boston Col, 40, Ph.D. 57; Ph.L. Weston Col, 41, S.T.L. 47; M.A. Fordham, 43. Instr. econ. & mkt, BOSTON COL, 48-51, asst. prof. ECON, 52-56, assoc. prof, 57-67, PROF, 68-. CHMN. DEPT, 57-. Chmn. State Attorney Gen's Adv. Consumers Coun, 58-63; adv. bd. to State Cmnr. Pub. Health, 61-68; mem. President's Consumer Adv. Coun, 65-66 & 67-69; pres. Consumer Fedn. Am, 68-. Econ. Asn; Coun. Consumer Info.(pres, 66 & 67). Economic functions of the market price system and efforts to control price through government and trade associations; codes of ethics; fair trade laws; consumer economics. Publ: Economic issues in state regulation of consumer credit, B.C. Indust. & Commercial Law Rev, spring 67; Consumer advice in Massachusetts, Int. Consumer, spring 67; Strange business reactions to consumer complaints, J. Consumer Affairs, summer 67. Address: Dept. of Economics, Boston College, Chestnut Hill, Mass. 02167.

McEWEN, PROF. WILLIAM J(OHN), b. Hermosa Beach, Calif, Mar. 27, 29; m. 51; c. 2. ANTHROPOLOGY. A.B. California, Los Angeles, 50, M.A. 51; Ph.D.(anthrop), Cornell, 54. Asst. prof. anthrop. in hosp. admin, Cornell, 55-57; environ. med. & community health, State Univ. N.Y. Downstate Med. Center, 57-64; CONSULT. ANTHROP, CALIF. STATE HEALTH DEPT, 64-Russell Sage Found. fel, 61-62; sr. res. assoc, Res. Inst. Study of Man, New York, 64-. Consult, N.Y. Sch. Soc. Work, Columbia, 59-60; State Health Dept, N.Y., 60-61. Mem. health serv. res. training cmt, U.S. Pub. Health Serv, 67-. U.S.A., 53-55. Fel. Anthropol. Asn; fel. Sociol. Asn; Pub. Health Asn; Soc. Appl. Anthropol. Social anthropology; community organization and process; medical care organization; comparative studies in Latin America. Publ: Co-auth, Epidemiological studies in Bolivia, Res. Inst. Study Man, New York, 67; auth, Forms and problems of validation in social anthropology, Current Anthropol, 63; Teoria y metodologia del proyecto RISM de Bolivia, Am. Indigena, 67. Address: Division of Research, California State Health Dept, 2151 Berkeley Way, Berkeley, Calif. 94704.

MacFADDEN, PROF. CLIFFORD HERBERT, b. Salem, Mich, Jan. 30, 08; m. 34. GEOGRAPHY. A.B. Michigan, 37, M.A. 39, Ph.D.(geog), 48. Asst. geog, Michigan, 37-42; cartographic engr. U.S. War Dept, 42-46; lectr, GEOG, CALIFORNIA, LOS ANGELES, 46-48, asst. prof, 48-52, assoc. prof, 52-58, PROF, 58-. chmn. dept, 61-66. Asn. Am. Geog. Nat. Coun. Geog. Ed. Southern Asia and Pacific; post-colonial structuring; industrial-economic geography. Publ: Introduction to geography, Harcourt, 51, 58, 62 & 67; Uses of aerial photos in geographic research; Gal Oya Valley: Ceylon's little TVA. Address: Dept. of Geography, University of California, Los Angeles, Calif. 90024.

McFADDEN, DR. DANIEL L(TITTLE), b. Raleigh, N.C, July 29, 37; m. 62; c. 3. ECONOMICCS. B.S. Minnesota, 57, Erhart & Ford fcls. & Ph.D.(econ), 62. Asst. prof. ECON, Pittsburgh, 62-63; CALIFORNIA, BERKELEY, 63-65, assoc. prof, 65-68, PROF, 68-. Ford res. prof, 66-67. Economet. Soc; Econ. Asn. Development programming; econometrics; economic theory. Publ: C.E.S. production functions, 63 & The evaluation of development programs, 67, Rev. Econ. Studies; On Hicksian stability, In: Essays in honor of J.R. Hicks, 68. Address: Dept. of Economics, University of California, Berkeley, Calif. 94720.

McFALL, PROF. K(ENNETH) H(ELICER), b. Cleveland, Ohio, Oct. 21, 06; m. 30; c. 1. PSYCHOLOGY. B.S. Mt. Union Col, 29; M.A. Western Reserve, 41, fel, 43-45, Ph.D. 47. Dir. admissions & alumni secy, Mt. Union Col, 34-43; asst. prof. PSYCHOL, BOWLING GREEN STATE, 43-45, assoc. prof, 45-47, PROF, 48-. V.PRES. UNIV, 60-. dean freshmen, 43-45, dir. guid, 45-47, dean col. liberal arts, 48-55, provost, 55-60. Consult, admin. higher ed. Fel. AAAS. University administration. Publ: Looking toward college in wartime; co-ed, To college in Ohio; From normal school to state university. Address: Dept. of Psychology, Bowling Green State University, Bowling Green, Ohio 43402.

McFALL, DR. R(OBERT) WILLIAM, b. Endicott, N.Y., Mar. 9, 38; m. 68. CLINICAL PSYCHOLOGY. B.A. Kentucky, 61, M.A. 63, Ed.D.(psychol), 65. Chief psychologist, Ky. Dept. Ment. Health, 65-66, asst. dir. diag. & eval. serv, 67-68; CLIN. RES. PSYCHOLOGIST, CLIN. RES. CENTER, NAT. INST. MENT. HEALTH, 68-. Part-time vis. prof, Kentucky, summer 68. Psychol. Asn; Speech & Hearing Asn. Psychotherapy and psychotherapeutic change as related to a psychodynamic theory of neurosis. Publ: A method for differentiating between high scorers on two of the intellectual orientation scales of the O.P.I., J. Psychol, 64; The development and validation of an achievement test for measuring higher level cognitive processes, J. Exp. Ed, 64. Address: Clinical Research Center, National Institute of Mental Health, Lexington, Ky. 40507.

McFANN, DR. HOWARD H(ENRY), b. Montpelier, Ohio, Aug. 16, 23; m. 45; c. 4. PSYCHOLOGY. A.B. Indiana, 48; M.A. Oberlin Col, 50; Ph.D. Iowa, 52. Res. assoc, HUMRRO, GEORGE WASHINGTON, 52, res. scientist, 53-55, sr. res. scientist & dep. dir. res, 55-58, dir. res, U.S. Army Armor, 56-58, U.S. Army Leadership Human Res. Unit, Presidio of Monterey, 58-62, dep. dir. prog. develop, Alexandria, Va, 62-64, DIR. RES, DIV. 3, PRESIDIO OF MONTEREY, 64-. U.S.A.A.F. 42-45. AAAS; fel. Psychol. Asn; Psychonomic Soc; Ed. Res. Asn. Research administration; learning psychology; vocational education and training; training systems research; low aptitude or ability person. Address: HUMRRO Training, Box 5-787, Presidio of Monterey, Monterey, Calif. 93940.

McFARLAND, DR. ANDREW STUART, b. Boston, Mass, Dec. 24, 40. POLITICAL SCIENCE. B.A. Oberlin Col, 62; Ph.D.(polit. sci), California, Berkeley, 66. ASST. PROF. POLIT. SCI, CALIFORNIA, BERKELEY, 66-. Polit. Sci. Asn; Sociol. Asn. Empirical theory in political science; comparative politics; American political process. Publ: Power and leadership in pluralist systems, Stanford, 68. Address: Dept. of Political Science, University of California at Berkeley, Berkeley, Calif. 94720.

McFARLAND, PROF. DALTON E(EDWARD), b. Brunswick, Nebr, Sept. 23, 19; m. 43; c. 3. BUSINESS ADMINISTRATION. B.S. Western Michigan, 43; M.B.A. Chicago, 47; Ph.D. Cornell, 52. Asst. prof. indust. rels, Mich. Col. Min. & Tech, 47-50; asst. personnel admin, N.Y. State Sch. Indust. & Labor Rel, Cornell, 50-52; PROF. MGT, MICH. STATE, 52-. CHMN. DEPT, 61-. Soc. Sci. Res. Coun. travel grant, Brussels, 61; prof, Aziendale Grad. Bus. Sch, Turin, Italy, 62. Consult, Mich. Bell Tel. Co; Detroit Metrop. YMCA; Gen. Mills Inc; Redmond Co. Inc, 47-. Fel. Acad. Mgt; fel. Soc. Appl. Anthropol; Indust. Rel. Res. Asn. Administrative and executive behavior; organization theory and interpersonal relations in purposive groups; cooperation and conflict in top managements administration of personnel programs; ethics and motivations of executives in business enterprises. Publ: Management: principles and practices, Macmillan, 2nd ed, 64; Company officers assess the personnel function, Am. Mgt. Asn, 67; co-ed, Measuring executive effectiveness, Appleton, 67. Address: Dept. of Management, 232 Eppley Center, Michigan State University, East Lansing, Mich. 48823.

McFARLAND, PROF. DANIEL MILES, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

McFARLAND, DR. JOSEPH H(ENRY), b. New Orleans, La, Feb. 21, 31; m. 61. PSYCHOLOGY. A.B. Brandeis, 55; M.A. Clark, 57, Ph.D. 60. Lectr. & res. assoc. psychol, Clark, 60-61, asst. prof, 61-64; PSYCHOL, Denver, 64-65; ASSOC. PROF. & CHMN, ANTIOCH COL, 65-. Mem. Inst. Human Develop, 60-. Fel. Worcester Found. Exp. Biol, 60-62, scientist, 62-64. AAAS; Psychol. Asn. Experimental, physiological and developmental psychology. Publ: Effect of muscular involvement on sensitivity; asymmetrical convergence on the distribution of visual sensitivity, Am. J. Psychol; Relation between position of objects and position of one's own body, Perceptual & Motor Skills; Sequential part presentation: a method of studying visual form perception, Brit. J. Psychol. Address: Dept. of Psychology, Antioch College, Yellow Springs, Ohio 45387.

McFARLAND, DR. M(ALCOLM) CARTER, Econ, see 10th ed, Soc. & Behav. Vols.

McFARLAND, DR. MARGARET BEALL, b. Oakdale, Pa, July 3, 05. PSYCHOLOGY. A.B. Goucher Col, 27; M.A. Columbia, 28, Ph.D.(child develop), 38; Syracuse, 31; Iowa, 33. Teacher, Winchester Sch, Pa, 28-34; dir. pub. schs, Ill, 37-39; prin, Free Kindergarten, Australia, 39-41; ASSOC. PROF. PSYCHOL, Mt. Holyoke Col, 41-51; SCH. MED, PITTSBURGH, 51-. Assoc. psychologist, Menninger Found, Kansas, 48-49. Psychol. Asn; Soc. Res. Child Develop; Sci. Res. Soc. Am. Sibling relationships; creative expression as index of child personality; personality development in infancy. Address: Dept. of Psychology, School of Medicine, University of Pittsburgh, Pittsburgh, Pa. 15213.

McFARLAND, PROF. ROBERT L(EO), b. Akron, Ohio, June 8, 23; m. 43; c. 3. PSYCHOLOGY. B.A. Akron, 47; M.A. Chicago, 48, Ph.D.(clin. psychol), 51. Clin. psychol. trainee, Vet. Admin, 47-51; asst. chief psychol. & res, psychiat. inst, Munic. Courts of Chicago, 51-52; res. psychologist, Vet. Admin. Hosp, Palo Alto, Calif, 52-55; chief psychologist, Vet. Admin. Res. Hosp, Chicago, Ill, 55-63; pres, Human Sys. Inst, Chicago, 63-66; PROF. PSYCHOL, NORTH-EAST. ILL. STATE COL, 67-. Instr, Ill. Inst. Tech, 48-50; lectr, Presby. Sch. Nursing, 50-51; asst. prof. neurol. & psychiat, med. sch, Northwestern, 55-64. Private practice, 58-. consult. psychol, Psychiat. Inst, Cook County Courts Mun. Div, 64-67; cmn. pastoral counseling, Ill. Presby. Synod, 67-. Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.A., 43-48, 2nd Lt. AAAS; Psychol. Asn; fel. Soc. Proj. Tech. & Personality Assessment. Feedback theory; projective techniques; language and therapy processes. Publ: Perceptual consistency in Rorschach-like projective tests, J. Proj. Tech; co-auth, A general feedback theory, Ann. Rev. Gen. Sys. Theory, 60 & Systems concept of stimulus, Perceptual & Motor Skills, 63. Address: Dept. of Psychology, Northeastern Illinois State College, 5500 N. St. Louis Ave, Chicago, Ill. 60625.

McFARLAND, PROF. ROSS A(RMSTRONG), Physiol. Psychol, Aviation Med, see 11th ed, Phys. & Biol. Vols.

McFARLAND, DR. WILLARD L(EROY), b. Blaine, Wash, Aug. 7, 28. PHYSIOLOGICAL PSYCHOLOGY. B.S. Washington (Seattle), 51, M.S. 56, Ph.D. 60. Trainee psychol, Roscoe B. Jackson Mem. Lab, Maine, 60-61; fel. neuro-psychol, Nat. Inst. Ment. Health, 61-62; PHYSIOL. PSYCHOLOGIST, COMMUN. RES. INST, 62-. U.S.A., 51-53. AAAS; Psychol. Asn; Ecol. Soc. Neuroanatomical and physiological factors in simple learning and conditioning; autonomic and somatic patterns of responses during learning. Publ: Co-auth, Motivational concomitants of eating elicited by stimulation of anterior thalamus & Performance in a shock avoidance conditioning situation interpreted as pseudoconditioning, J. Comp. & Physiol. Psychol; Anesthesia for the bottlenose dolphin, Turisops truncatus, Science, 12/64. Address: Communications Research Institute, 3430 Main Highway, Miami, Fla. 33133.

McFARLANE, DR. BRUCE A(RNOLD), b. Montreal, Que, Jan. 5, 21; m. 54; c. 1. SOCIOLOGY. B.A. McGill, 51, M.A. 55; Leverhulme fel. & Ph.D. (sociol), London Sch. Econ, 61. Lectr. SOCIOL, Carleton (Can), 59-60; spec. lectr, Toronto, 60-61; asst. prof, CARLETON (CAN), 61-64, assoc. prof, 64-68, PROF, 68-. chmn. dept, 64-67. Res. assoc, Royal Cmn. Health Serv, Ottawa, 62-64; nat. rapporteur for Can, Orgn. Econ. Coop. & Develop, 62-66; Can. fel, Int. Inst. Labour Studies, Geneva, 67-68. Consult, Orgn. Econ. Coop. & Develop, 62-.; intermittent consult, Royal Cmn. Bilingualism & Bi-culturalism, Ottawa, 64-67. Mem. steering cmt, Study Library Develop. Can. Univs, 65-68. R.C.A.F. 41-46, Res. Can. Sociol. & Anthropol. Asn; Sociol. Asn; Can. Econ. Asn. Sociology of occupations and professions; sociology

of work; sociology of technology and science; sociology of education; social change. Publ: Co-auth, Transition from school to work, 62 & auth, Dental manpower in Canada, 64, Queen's Printer, Ottawa; co-auth, The education, training and functions of technicians, Orgn. Econ. Coop. & Develop, 67. Address: Dept. of Sociology, Carleton University, Ottawa 1, Ont, Can.

MacFARLANE, DR. DOUGALD A, b. Upper Margaree, N.S., Sept. 29, 24; m. 66; c. 1. ECONOMICS. B.A., St. Francis Xavier, 48, M.A., McGill, 57; Ph.D., Washington (Seattle), 65. Economist, Can. Civil Serv. 53-60; ASST. PROF. ECON., Seattle, 65-67; COL. BUS. ADMIN., NOTRE DAME, 67- Consult, U.S. Dept. Interior, 65-66. R.C.A.F., 43-45, Sgt. Econ. Asn. Natural resources especially fisheries and water. Address: College of Business Administration, University of Notre Dame, South Bend, Ind. 46556.

MACFARLANE, PROF. JEAN WALKER, b. Selma, Calif., Jan. 1, 94. PSYCHOLOGY. A.B., California, 17, Ph.D. (clin. psychol.), 22. Sr. asst. psychologist, Boston Psychopath. Hosp., 22-24; instr. & asst. prof. psychol., dept. pediat., CALIFORNIA, BERKELEY, 24-29, assoc. prof., univ. & res. assoc. in charge guid. study, inst. child welfare, 29-41, prof. psychol., 41-61, res. psychologist, 53-61, EMER. PROF. PSYCHOL., 61- Lectr., Wellesley Col., 23-24; psychologist, State Dept. Ment. Diseases, Mass., 23-24; clin. psychologist, ment. hyg. clin., San Francisco Dept. Pub. Health, 24-32. Civilian consult, W.A.C. 42. AAAS; Psychol. Asn.; Orthopsychiat. Asn. Personality development. Publ: Studies in child guidance. I. Methodology of data collection and organization, Monogr. Soc. Res. Child Develop; co-auth, Stability of mental test performance between two and eighteen years, J. Exp. Ed.; Developmental study of the behavior problems of normal children between 21 months and 14 years. Address: Institute of Human Development, Tolman Hall, University of California, Berkeley, Calif. 94720.

MacFARLANE, DR. LARRY A (LLAN), Am. Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MacFARLANE, DR. RONALD OLIVER, b. Almonte, Ont., May 24, 04; m. 28; c. 2. POLITICAL SCIENCE. B.A., Queen's (Ont.), 24, M.A., 25; A.M., Harvard 28, Ph.D. (hist.), 33. Asst. govt. Harvard, 25-26; hist., Radcliffe Col., 26-27; instr., Simmons Col., 27-30; asst. prof. Manitoba, 30-38, assoc. prof., 38-42; dep.-minister, Dept. Ed., Manitoba, 45-53; DIR. SCH. PUB. ADMIN., CARLETON (CAN.), 53- Chmn., Royal Cmn. Ed., Manitoba, 57-59; proj. dir., Royal Cmn. Govt. Orgn., 60-61. Intel. C., Can. Army, 42-45, Lt. Col. Can. Hist. Asn.; Can. Polit. Sci. Asn.; Can. Inst. Int. Affairs; Inst. Pub. Admin. Can.; Royal Can. Geog. Soc. Canadian public administration and government: provincial government. Address: School of Public Administration, Carleton University, Ottawa 1, Ont, Can.

MACFARLANE, DEAN SIDLEY K (ERR), b. Scotland, Jan. 11, 09; nat; m. 40; c. 2. GEOGRAPHY. A.B., Syracuse, 38, Ph.D., 60; M.A., Clark, 41. Asst. prof. geog., Middlebury Col., 41-45; from asst. prof. geog. to DEAN BURR-STONE CAMPUS, UTICA COL., 46- Address: Utica College, Utica, N.Y. 13502.

MACFARLANE, PROF. THOMAS G (EORGE), b. Moose Jaw, Sask., Nov. 14, 19; nat; m. 42; c. 1. CLINICAL PSYCHOLOGY. B.A. British Columbia, 47; M.A., California, Los Angeles, 51, U.S. Pub. Health Serv. fel. 51-52, Ph.D. (psychol.), 52. Asst. prof. PSYCHOL., CALIF. STATE COL. LONG BEACH, 52-57, assoc. prof., 57-62, PROF., 62- consult psychologist, personnel center, 53-68. Practicing clin. psychologist, 53-; staff psychologist, Long Beach Vet. Admin. Hosp., 67-68. Consult, Tostin Elem. & ABC Unified Sch. Dist., 66-67. R.C.A.F., 41-45. Psychol. Asn. Personality theory: psychological interviewing; psychotherapy. Publ: Empathic understanding in an interpersonal interview situation; Empathic understanding operationally defined in terms of the screening-diagnostic interview & co-auth, W.A.-Y technique applied to American and Parisian subjects, Am. Psychologist. Address: Dept. of Psychology, California State College at Long Beach, Long Beach, Calif. 90804.

McFEAT, DR. TOM F (ARRAR) S (COTT), b. Montreal, Que., Feb. 5, 19; m. 47; c. 2. ETHNOLOGY. B.A. McGill, 50; A.M. Harvard, 54. Ph.D. 57. Assoc. prof. anthrop., New Brunswick, 54-59; sr. ethnologist, Nat. Mus. Can., 59-63; Carleton Univ., 63-64; PROF. ANTHROP. & CHMN. DEPT., TORONTO, 64- PROF. ANTHROP. & HEAD DEPT., TORONTO, 67- Can. Army, 40-45. Fel. Anthropol. Asn.; Can. Polit. Sci. Asn. Culture process, particularly concepts of growth, evolution and pattern in diachronic analysis; small group culture, especially influence of information on structure of n-generation groups; Canadian Indian and other ethnic communities; certain aspects of mass media analysis. Publ: Basket and barrel industries of the Malecite Indians, Anthropologica; Museum ethnology and the Algonkian Project, Nat. Mus. Can. Anthropol. Papers; Indians of the North Pacific Coast, McClelland & Stewart, Univ. Washington, 65. Address: Dept. of Anthropology, University of Toronto, 100 St. George St., Toronto 5, Ont, Can.

McFEATERS, MARVIN C (LYDE), b. Kingman, Kans., Dec. 21, 14; m. 36; c. 2. ECONOMICS, FINANCE. B.C.S., Strayer Col., 39; B.A., George Washington, 42, M.A., 48; Hopkins, 59. City ed., Alva Daily Record, Okla., 33-35; clerk, U.S. Govt., D.C., 35-42; economist & ed., Bavarian Economist, Off. Mil. Govt., Germany, 46-47; commodity analyst Econ. Coop. Admin. & Mutual Security Agency, D.C., 48-55; chief procurement anal. br., Int. Coop. Admin., D.C., 55-56; controller, U.S. Opers. Mission, Thailand, 57-59; prog. officer & acting dir. mission, U.S. AGENCY INT. DEVELOP., Beirut, Lebanon, 60-65, INT. TRADE ADV., RIO DE JANEIRO, BRAZIL, 65- Mem. Spec. Procurement Mission, Bolivia, 54; Pakistan, 55; econ. study team, Dept. State, Laos & Cambodia, 56; balance payments study group, Int. Coop. Admin., Korea, South Vietnam, Thailand & Pakistan, 60. Ed. Mil. Govt. Jour. & Newsletter. Ord.C., U.S.A., 43; U.S. Merchant Marines, 45, Lt.(jg). Econ. Asn.; Polit. Sci. Asn.; Soc. Int. Develop. Achievement of economic and social development by emerging, developing countries and improving their public administrations to accompany economic development. Publ: Food production and distribution in postwar Bavaria. Address: American Embassy, U.S. Agency for International Development, Brazil, APO New York 09676.

McFEE, DR. MALCOLM, b. Seattle, Wash., Feb. 13, 17; m. 41; c. 1. ANTHROPOLOGY. B.A., San Jose State Col., 56; M.A., Stanford, 58, Ph.D. (an-

throp), 62. ASST. PROF. ANTHROP., Arizona, 62-65; OREGON, 65- U.S.A.A.F., 42-45, 1st Lt. Anthropol. Asn.; Ethnol. Soc. Ethnology and problems of culture change among the Blackfoot Indians of Montana. Address: Dept. of Anthropology, University of Oregon, Eugene, Ore. 97403.

McFERRIN, PROF. JOHN B (ERRY), b. Collierville, Tenn., Oct. 12, 10; m. 36; c. 2. FINANCE. A.B., Southwestern at Memphis, 32; A.M., North Carolina, 33, Ph.D., 37. Asst. prof. econ., FLORIDA, 37-41, assoc. prof., 41-46, prof., 46-48, head prof. bus. orgn. & oper., 48-55, PROF. FINANCE & DIR. GRAD. STUDIES, 55- Found. Econ. Ed. fcls., 50, 52, 58. Mem. Inter-Univ. Cmt. Econ. Res. on South, chmn., 60; cmt. banking and monetary policy, U.S. Chamber Commerce, 66- U.S.N., 42-46, Res., 46-, Lt. Comdr. Finance Asn.; Econ. Asn. Regional financial resources; capital markets. Publ: Caldwell and company: a southern financial empire; Structure of the American capital market, South. Econ. J.; Financing corporate expansion during the postwar decade, Ga. Bus. Address: 214 Matherly Hall, University of Florida, Gainesville, Fla. 32601.

MacGAHAN, DR. JOHN A (LEXANDER), b. Pittsburgh, Pa., Dec. 11, 19; m. 41; c. 3. PSYCHOLOGY. A.B., Duke, 41; M.A., Chicago, 50, Ph.D. (psychol.), 54. Clin. psychol. trainee, Hines Vet. Admin. Hosp., Ill., 48-52; sr. clin. psychologist, Norwich State Hosp., Conn., 54-55; clin. psychologist, ment. hyg. unit, Vet. Admin. Outpatient Clin., Boston, Mass., 55-60, chief psychologist, ment. hyg. clin., VET. ADMIN. HOSP. ALBANY, 60-66. CHIEF PSYCHOL. SERV. 66- Asst. clin. prof., dept. psychiat., Albany Med. Col., 67- U.S.A.A.F. 43-46. Psychol. Asn.; Group Psychother. Asn. Psychotherapy; organic psychopathology; psychopharmacology. Publ: Co-auth, Objective measurement of progressive esophageal speech development, J. Speech & Hearing Disorders. Address: 310 Kenwood Ave., Delmar, N.Y. 12054.

McGANN, DR. MARY ELIZABETH, b. Worcester, Mass., May 31, 03. EDUCATIONAL PSYCHOLOGY. B.S. Mass. State Col. Worcester, 25; M.A., Clark, 43; Ed.D., Harvard, 46. Teacher, pub. schs., Mass., 25-40; asst. psychol. & ed. Harvard, 44-46; teacher psychol. & guid. Lyndon Teachers Col., 46-47; ASSOC. PROF. PSYCHOL. & ED. MASS. STATE COL. FRAMINGHAM, 48- Psychol. Asn.; Int. Coun. Psychol. Analysis and remediation of problems in learning, intelligence and achievement; testing; learning; child study: the exceptional child; general educational psychology. Publ: Dialogues for personality and reading problems; Improving freshman scholarship through reading; Superior students analyze their best college teachers. Address: 48 Aetna St. Worcester, Mass. 01604.

McGANN, PAUL W (ILLIAMSON), Econ., see 10th ed, Soc. & Behav. Vols., deceased 67.

McGANN, PROF. THOMAS F (RANCIS), Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

McGARRY, PROF. EDMUND D (ANIELS), b. Shenandoah Junction, W. Va., June 7, 91. ECONOMICS. A.B., West Virginia, 14; M.B.A., Harvard, 21; Ph.D., Columbia, 30. Asst. prof. econ., West Virginia, 21-25, assoc. prof., 25-27; asst. prof. MKT. & ECON. STATE UNIV. N.Y. BUFFALO, 27-30, from prof. to EMER. PROF., 30- Econ. Asn.; Mkt. Asn. (pres. 33). Economics of marketing; mortality in retail trade; consumers buying habits in satellite cities. Address: 50 N. Lodge Dr., Snyder, N.Y. 14226.

McGARRY, DR. JAMES F (REDERICK), JR., b. Arlington, Mass., Feb. 13, 26; m. 50; c. 5. POLITICAL SCIENCE. INTERNATIONAL RELATIONS. B.S., U.S. Naval Acad., 46; Nat. Defense Ed. Act fel., Pennsylvania, 60-61, A.M. 61, Ford Found. fel., 61-62, Soc. Sci. Res. Coun., Am. Coun. Learned Soc., fel., 62-63, Ph.D. (int. rels.), 64. Res. asst., for. policy res. inst., Pennsylvania, 60-63; prnl. staff, center naval anal., Inst. Naval Studies, Cambridge, Mass., 63-66; SR. POLIT. SCIENTIST, ADV. STUDIES GROUP, WESTINGHOUSE CORP., WALTHAM, 66- Guest lectr., Pennsylvania; Seton Hall; Int. Christian Univ., Tokyo; WCAU-TV, Phila.; Far East Network & Asian Affairs Asn., Tokyo, 61-62; Tokyo ed. correspondent, Orbis, 61-62. Consult, Wash. Center For. Policy Res., Hopkins, 67- Chmn., propeller panel, aircraft sub-cmt., Nat. Munitions Bd., 50-51; mem., Center Japanese Soc. & Polit. Studies, U.S.N., 46-59, Lt. Comdr. Polit. Sci. Asn.; Asn. Asian Studies; Int. Peace Res. Asn.; Acad. Polit. & Soc. Sci.; Int. Studies Asn. Asian international relations; Japanese history and politics; national security policy; arms control; decision-making patterns; Soviet and American foreign policies; military strategic studies; methodology for political projections. Publ: Contrib., The United States and the United Nations, Univ. Oklahoma, 64; auth, Japan and the U.S. defense of the Western Pacific and Southeast Asia, Monogr., Inst. Naval Studies, Cambridge, 1/66; co-auth, The military environment, In: 1980 and the balance of power in the Pacific, Wash. Center For. Policy Res., U.S. Air Force, 68. Address: 650 Center St., Newton, Mass. 02158.

McGARVEY, PROF. WILLIAM G (EORGE), b. Philadelphia, Pa., Oct. 20, 04; m. 31. PSYCHOLOGY. B.S., Ursinus Col., 30; Pennsylvania, 38-40; M.S., Temple, 40, Ed.D., 53. Teacher, high schs., Pa. & Del., 38-41; instr. transportation, STATE UNIV. N.Y. COL. OSWEGO, 41-44, asst. prof. indust. arts, 48-49, PSYCHOL., 49-53, assoc. prof., 53-57, PROF., 57- Consult, State Legis. Cmt. Ment. Retardation, 55-56. Participant, Annual Workshop Psychologists Interested Adv. Psychother., 67. AAAS; Soc. Clin. Hypnosis; Int. Soc. Gen. Semantics. Mechanical abilities of young children; characteristics of college students; psychology of hobby societies; readability of occupational information; counselor ability to select occupational information. Publ: The academic grievance committee, Col. Duplicating, Oswego, 67; Genetics of the Siberian iris which lacks pedigree, Siberian Iris, 4/67. Address: Dept. of Psychology, State University of New York College at Oswego, Oswego, N.Y. 13126.

McGAUGH, DR. JAMES L, Psychol., see 11th ed, Phys. & Biol. Vols.

McGAUGH, PROF. MAURICE E (DRON), b. Rayville, Mo., June 9, 06; m. 29. GEOGRAPHY. B.S., Kansas, 39, A.M., 41; Sheldon fel., Chicago, 45, Ph.D., 50. Instr. GEOG., army air corps col. training detachment, Southwest Mo. State Col., 43-44; army specialized training prog., Kansas, 44; asst. prof., CENTRAL MICHIGAN, 45-51, assoc. prof., 51-54, PROF., 54-, HEAD DEPT., 58- Asn. Am. Geog.; Nat. Coun. Geog. Ed. Cartography; regional geography of

Great Plains and Michigan. Publ: Settlement of the Saginaw Basin. Address: Dept. of Geography, Central Michigan University, Mt. Pleasant, Mich. 48858.

McGAUVIRAN, DEAN MARY E(LIZABETH), b. Lowell, Mass. Aug. 4, 17. EDUCATIONAL PSYCHOLOGY. B.S.E., Mass. State Col. Lowell, 39; M.Ed., Boston, 50, Ed.D., 55. Teacher, pub. schs., Mass., 40-52; instr. ed. & asst. dean women, MASS. STATE COL. LOWELL, 52-53, asst. prof. ED., 53-58, PROF., 58-, DEAN WOMEN, 53-, DIR. ADMISSIONS, 55- Lectr., Boston, 57-Psychol. Asn; Nat. Coun. Measurement in Ed; Ed. Res. Asn. Educational measurement; elementary education; relationship between attitude toward school and school success. Publ: Co-auth., Metropolitan readiness test, Harcourt, 65; auth., Technique to measure growth differences, In: Yearbook, 1951, Nat. Coun. Measurement in Ed. Address: 410 Walker St., Lowell, Mass. 01851.

McGEARY, DEAN MARTIN NELSON, b. Greensburg, Pa. Apr. 9, 06; m. 37; c. 3. POLITICAL SCIENCE. A.B., Lafayette Col., 28; A.M., Columbia, 36, Ph.D., 39. From instr. to PROF. POLIT. SCI., PA. STATE, 39-, DEAN GRAD. SCH., 64- U.S.N.R., 43-46. Polit. Sci. Asn. Public administration; state and American government. Publ: Developments of congressional investigative power; The Pittsburgh housing authority; Gifford Pinchot: for-ester politician. Address: Pennsylvania State University, University Park, Pa. 16802.

McGEE, PROF. JOHN S(ENECA), b. San Antonio, Tex., Sept. 8, 27; m. 49; c. 3. ECONOMICS. A.B., Texas, 47; Hopkins, 47-48; Ph.D.(econ), Vanderbilt, 52. Asst. prof. econ., California, Los Angeles, 51-53; res. assoc., law sch., Chicago, 53-55; petrol. economist, First Nat. City Bank of N.Y., 55-57; assoc. prof. ECON., grad. sch. bus., Chicago, 57-61; PROF., Duke, 62-68; WASHINGTON (SEATTLE), 68- Fulbright res. scholar & Guggenheim fel., Spain, 61-62; vis. prof., Washington (Seattle), 66-67. Econ. Asn. Industrial organization; social control of business. Publ: Predatory price cutting: the Standard Oil (N.J.) case, 58, Government intervention in the Spanish sugar industry, 64 & Patent exploitation—some economic and legal problems, 66, J. Law & Econ. Address: Dept. of Economics, University of Washington, Seattle, Wash. 98105.

McGEE, DR. JOSEPH W(ILLIAM), b. Shelburne, Vt., Jan. 18, 05. SOCIOLOGY. A.B. St. Michael's Col., 27, A.M., 30; A.M. Catholic Univ., 40, Ph.D., 47. From instr. to asst. prof. SOCIOL., MARQUETTE, 45-53, ASSOC. PROF., 53- Sociol. Asn; Statist. Asn. Educational value of radio; social and economic aspects of the functional entity of Washington, District of Columbia; principles and practices of cooperatives in United States; social legislation in Ireland. Address: Dept. of Sociology, Marquette University, Milwaukee, Wis. 53233.

McGEE, PROF. NANCY WATERS, b. Farley, Iowa, May 27, 95. POLITICAL SOCIOLOGY. A.B., Iowa State Teachers Col., 22; A.M., Iowa, 28, Ph.D., 32. Prof. polit. sci. & sociol., Dubuque, 28-32; asst. polit. sci., Iowa, 32-33; prof. ECON. & SOCIOL., Greenville Col., 37-46; N.CENT. COL.(ILL), 46-64, EMER. PROF., 64- Assoc. prof., Cumberland Col., 65; acting chmn. dept. anthrop. & sociol., Fresno State Col., 66-67; lectr. & acting chmn. dept. sociol., Procopius Col., 67-69. State administration of public health in Iowa; student health service in the state colleges of Iowa. Address: 220 N. Ellsworth, Naperville, Ill. 60540.

McGEE, PROF. REECE, b. St. Paul, Minn., Oct. 19, 29; m. 50; c. 3. SOCIOLOGY. B.A., Minnesota, 52, M.A., 53, fel., 54-56, Ph.D., 56. Res. assoc. SOCIOL., Minnesota, 57; asst. prof., Texas, 57-61, assoc. prof., 61-64; vis. assoc. prof., Macalester Col., 64-65, PROF., 65-67; PURDUE, 67- Consult., South. Regional Ed. Bd., 57-58. U.S.A., 50-51, Res., 48-49, 52-58, 1st Lt. Fel. Sociol. Asn. Large scale social organization; sociology of higher education. Publ: Social disorganization in America; co-auth., Academic market place. Address: Dept. of Sociology, Purdue University, Lafayette, Ind. 47907.

McGEE, DR. THOMAS F(REDERICK), b. Chicago, Ill., Aug. 6, 30; m. 57; c. 4. CLINICAL PSYCHOLOGY. B.A., Roosevelt, 55; Ph.D., Chicago, 60. Asst. psychometrist, Roosevelt, 54-55; trainee clin. psychol., Vet. Admin., 57-60; clin. res. psychologist, W.Side Vet. Admin. Hosp., Chicago, Ill., 60-65; dir. planning & develop., MENT. HEALTH DIV., CHICAGO BD. HEALTH, 65-68, co-dir., 68- Asst. prof., col. med., Illinois, 64- Chief psychologist, Katharine Wright Clin., 58-; group psychother. consult., W.Side Vet. Admin. Hosp., 65- Dipl., Am. Bd. Exam. Prfnl. Psychol., 65. U.S.A., 51-53. Psychol. Asn; Inter-Am. Soc. Psychol.; Group Psychother. Asn; Orthopsychiat. Asn. Community mental health; group psychotherapy; psycho-social treatment approaches. Publ: Co-auth., Evaluation of an intensive group living program with schizophrenic patients, Psychol. Monogr., 62; auth., Some basic considerations in crisis intervention, Community Ment. Health J., 68; Supervision in group psychotherapy: a comparison of four approaches, Int. J. Group Psychother., 68. Address: Mental Health Division, Chicago Board of Health, Civic Center, Chicago, Ill. 60602.

McGEE, DR. VICTOR ERROL, b. Pietermaritzburg, S.Africa, Oct. 31, 35; U.S. citizen; m. 62; c. 2. PSYCHOLOGY, STATISTICS. B.Sc., & U.E.D. Natal, 56; M.A., Cambridge, 62; Ph.D.(psychomet), Princeton, 62. Teacher, high sch., S.Africa, 58-59; res. assoc. psychomet., Illinois, Urbana, 61-62; ASST. PROF. PSYCHOL., DARTMOUTH COL., 62- Off. Naval Res. res. grant, Dartmouth Col., 63-68. Consult., Bolt, Beranek & Newman, 66- Acoustical Soc. Am. Multivariate methodology and speech perception; pattern recognition and computer recognition of speech; statistics. Publ: Determining perceptual spaces for the quality of filtered speech, J. Speech & Hearing, 8: 23-38; Invariance of personal characteristics of voice over two vowel sounds, Perceptual & Motor Skills, 21: 519-529; The multidimensional analysis of elastic distances, Brit. J. Math. & Statist. Psychol., 19: 181-196. Address: Dept. of Psychology, Dartmouth College, Hanover, N.H. 03755.

McGEHEARTY, DR. LOYCE (DAWSON), b. Henderson, Tex., May 31, 20; div.; c. 2. PSYCHOLOGY, EDUCATION. B.S., Texas, 41, M.Ed., 50, Ph.D.(ed. psychol.), 65. Dir., City Recreation Center, Houston, Tex., 41-42; relig. ed.,

Tyler St. Methodist Church, 45; student union, Univ. Texas, 45-46; psychometrist, Austin Independent Sch. Dist., 47-48, counsr., Baker Jr. High Sch., 48-49; Corpus Christi Independent Sch. Dist., 54-60; counseling supvr. ed. psychol., Univ. Texas, 60-63, coordinator demonstration centers child behav. consult., IRCOPPS, 63-66; asst. prof. ed. psychol., Southwest Tex. State Col., 66-67; ASSOC. PROF. PSYCHOL. & DIR. GUID. SERV., CORPUS CHRISTI, 67- Nat. Defense Ed. Act Counseling & Guid. Inst. grants, summers, 67 & 68. Consult., Southwest Ed. Develop. Lab. on Migratory Proj., spring, 68. Psychol. Asn; Personnel & Guid. Asn; Asn. Counsr. Ed. & Supr. Educational, counseling, school and social psychology. Publ: Co-auth., article, In: Emergent approaches to mental health problems, Appleton, 67; Pupil personal services: selected readings, Peacock, 67. Address: 421 Atlantic, Corpus Christi, Tex. 78404.

McGEHEE, DR. FRANCES W(ILLIAMS), b. Lynchburg, Va., Feb. 21, 12. PSYCHOLOGY. A.B., Randolph-Macon Col., 33; Ph.D., Hopkins, 36. Mem. staff psychol. testing, child res. lab., Friends, 36-37; instr. psychol., Ala. Col., 37-38, asst. prof., 38-42; assoc., Illinois, 42-44; dir. psychol. testing, Virginia, 45; asst. prof. PSYCHOL., Col. William & Mary, 48-48; Sweet Briar Col., 49-50, ASSOC. PROF., 50-59; American Univ., 50-52; South. Conn. State Col., 61-62; VIRGINIA, LYNCHBURG BR., 67- Fel. Psychol. Asn. Publ: Reliability of the identification of the human voice; Psychology in the training of occupational therapists. Address: 2615 Rivermont Ave., Lynchburg, Va. 24503.

McGEHEE, DR. NAN E(LIZABETH), b. Chicago, Ill., Mar. 9, 28. PSYCHOLOGY. B.A., Chicago, 47; B.S., Northwestern, 58, M.S., 59, Ph.D.(psychol.), 62. Instr. psychol., ILLINOIS, CHICAGO, 61-62, asst. prof., 62-67, ASSOC. PROF. PSYCHOLOGY & DIR. UNIV. HONORS PROG., 67-, summer res. fel., 61. Psychol. Asn. Verbal learning; research design. Publ: Co-auth., Meditation in verbal paired-associate learning, J. Exp. Psychol., 61. Address: University Honors Programs, University of Illinois at Chicago Circle, Box 4348, Chicago, Ill. 60680.

McGEHEE, DR. THOMAS P(ETLEY), b. Akron, Ohio, Apr. 20, 27; m. 58; c. 2. CLINICAL PSYCHOLOGY. B.A., Stanford, 51; M.A., San Jose State Col., 52; Ph.D., Mich. State, 56. CLIN. PSYCHOLOGIST, VET. ADMIN. HOSP., American Lake, Wash., 56-62, ROSEBURG, ORE., 62-; INSTR. PSYCHOL., UMPQUA COMMUNITY COL., 66- Med.C. U.S.A., 46-47. Psychol. Asn. Treatment of the chronically ill mental patient by means of the group, group processes, and behavioral reinforcement. Address: Clinical Psychology Service, Veterans Administration Hospital, Roseburg, Ore. 97470.

McGEHEE, DR. WILLIAM, b. Paris, Tenn., Jan. 6, 08; m. 34; c. 1. PSYCHOLOGY. B.A., Univ. of the South, 25; North Carolina, 36-37; Duke, 37-38; M.A., Peabody Col., 36, Ph.D.(psychol.), 39. Teacher, high sch., Tenn., 29-31, asst. prin., 31-36; instr. psychol., N.C. State Col., 36-39, asst. prof., 39-40, assoc. prof., 40-42, prof., 42-47, head dept., 40-47, dir. psychol. serv. center, 39-47; DIR. PERSONNEL RES. & DEVELOP., FIELDCREST MILLS, 47- Psychologist, Wake County Ment. Hyg. Clin., N.C., 41-47; vis. prof., N.C. State Col., 50-59. Consult., res. develop. bd., U.S. Mil. Estab., 50-54. Mem. cmt. training & training res., U.S. Dept. Labor, 66- Dipl., Am. Bd. Exam. Prfnl. Psychol., 49. U.S.N.R., 42-45, Lt. Comdr. Fel. Psychol. Asn.(treas). Industrial and social psychology. Publ: Training in business and industry; Persistence of the effect of training employees to reduce waste, Personnel Psychol.; Training in industry, Current Trends Indust. Psychol. Address: Fieldcrest Mills, Eden, N.C. 27288.

MCGILL, PROF. DAN M(AYS), b. Greenback, Tenn., Sept. 27, 19. FINANCE. A.B., Maryville Col., 40; A.M., Vanderbilt, 41; Huebner Found. fel., Pennsylvania, 41-42, 46-47, Ph.D., 47. Assoc. prof. finance, Tennessee, 47-48; Price assoc. prof. life ins., North Carolina, 48-51; from assoc. prof. to FREDERICK H. ECKER PROF. LIFE INS., EXEC. DIR. HUEBNER FOUND. INS. ED. & CHMN. & RES. DIR. PENSION RES. COUN., WHARTON SCH., PENNSYLVANIA, 52-, CHMN. DEPT. INS., 65- Mem. adv. coun. employee benefit plans, U.S. Dept. Labor, 66- Finance Asn. Government life insurance. Publ: Fundamentals of private pensions; Life insurance; Fulfilling pension expectations. Address: Dept. of Insurance, Wharton School, University of Pennsylvania, 3620 Locust St., Philadelphia, Pa. 19104.

MCGILL, DR. ESBY CLIFTON, b. Omaha, Ark., Jan. 12, 14; m. 32; c. 2. ECONOMICS. B.S., Southwest Mo. State Teachers Col., 40; M.S., Okla. Agr. & Mech. Col., 41; Texas A&M, 41-44; Ed.D., N.Y. Univ., 55. Asst. instr. bus., Okla. Agr. & Mech. Col., 40-41; supvr. dept. bus. training, sr. high sch., Okla., 41-42; head dept. mkt. & finance, Armstrong Col.(Calif.), 44; prof. bus. & head dept. bus. & bus. ed., Kans. State Teachers Col., 45-58; prof. bus. admin., Utah State, 59-60; PROF. ECON., DEAN FACULTY & DIR. ACAD. AFFAIRS, SOUTH. ORE. COL., 60- Summer vis. prof., Hawaii, 57 & Southern California, 60. Ed. & pres., Nat. Asn. Bus. Teacher-Training Inst. Pubs., 51-55. Spec. consult. & lectr. bus. ed., cols. & univs., 53-57. Mem., Nat. Coun. Bus. Ed., 49-57; Kans. Cert. Pub. Accts. Adv. Coun. Exam. Bd., 51-60; Cmt. Coord. & Integration Res. Bus. Ed., 58-59; coordinator, Admin. Lectr. Series Vet. Admin. Personnel, 61-; supvr. consult. & mem. ed. & bus. curriculum eval. teams, Kans., Utah, Idaho & Iowa, 43-59. Nat. Bus. Ed. Asn.(pres., United Bus. Ed. Asn., 55-56); Asn. Higher Ed. Curriculum development; analysis of business and economics knowledge used by people by a census population cross section sample. Publ: Production typewriting, 55; Business principles, organization and management, 58, rev. 63; Student activities manual for business principles, organization and management, 63. Address: Southern Oregon College, Ashland, Ore. 97520.

MCGILL, KENNETH H(ERMAN), b. Tekamah, Nebr., Dec. 29, 03; m. 30; c. 1. SOCIOLOGY. A.B., Nebraska, 30; Chicago, 30-31; Earhart Found. fel., Michigan, 31-33; Brookings Inst., 60. Instr. sociol., Michigan, 33-34; STATISTICIAN, U.S. Bur. Census, 34-35; U.S. Pub. Health Serv., 35-41; Selective Serv. Syst., 41-47; Am. Mission for Aid to Greece, 47-48; SELECTIVE SERV. SYST., 48- AAAS; Sociol. Asn; Statist. Asn; Pop. Asn. Am.; Acad. Polit. & Soc. Sci.; Royal Soc. Health; Statist. Soc. Greece; Asn. Adv. Sci., Repub. China. Social research; demography; military manpower procurement. Publ: Some economic aspects of selective military service; Metropolitan regions, Am. J. Retailing. Address: National Headquarters of Selective Service, 1724 F St. N.W., Washington, D.C. 20435.

- McGILL, PROF. WILLIAM J. b. New York, N.Y., Feb. 27, 22; m. 48; c. 2. PSYCHOLOGY. A.B. Fordham, 43, M.A., 47; Ph.D.(exp. psychol), Harvard, 53. Mem. res. staff PSYCHOL., Lincoln Lab, Mass. Inst. Tech., 51-54, asst. prof., inst. 54-56; Columbia, 56-59, assoc. prof., 59-60, prof., 60-63, chmn. dept., 61-63; PROF., CALIFORNIA, SAN DIEGO, 65-, chmn., San Diego Div., Acad. Senate, 67-69. Nat. Inst. Ment. Health spec. fel., Stanford, 63-64. Mem. psychol. sci. fel. panel, Nat. Inst. Ment. Health, 63-68. Fel. AAAS; fel. Psychol. Asn; Statist. Asn; Psychomet. Soc; Psychonomic Soc. Quantitative study of behavior; stochastic learning mechanisms. Address: University of California at San Diego, Box 109, La Jolla, Calif. 92037.
- McGILL, DR. WILLIAM J. JR., Mod. European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- McGIMSEY, PROF. CHARLES R(OBERT), III, b. Dallas, Tex., June 18, 25; m. 49; c. 3. ANTHROPOLOGY, ARCHAEOLOGY. B.A. New Mexico, 49; Thaw fel., Harvard, 50, Winthrop fel., 50-52, univ. fel. & M.A., 54, Ph.D.(anthrop), 58. Instr. ANTHROP., ARKANSAS, 57-58, asst. prof., 58-62, assoc. prof., 62-67, PROF., 67-, DIR. ARCHAEOLOG. EXPEDS., 57-, DIR. MUS., 59-; DIR. ARK. ARCHEOL. SURV., 67- Asst. curator univ. mus., Arkansas, 57-59. Ed. Ark. Archeologist, 60-; co-ed., Southeast. Mus. Conf. Quart. Notes, 64- Asst. dir. & dir. Harvard archaeol. expeds., N.Mex., 48-51; archaeol. expeds., Panama, 52-62. U.S.N.R., 42-47, Res., 47-62, Lt.(jg). Fel. Anthropol. Asn; Soc. Am. Archaeol. Publ. Mariana Mesa, seven prehistoric settlements in west central New Mexico; co-auth., Monagrillo culture of Panama. Address: University Museum, University of Arkansas, Fayetteville, Ark. 72701.
- MacGINITIE, DR. WALTER H(AROLD), b. Carmel, Calif., Aug. 14, 28; m. 50; c. 2. PSYCHOLOGY. B.A. California, Los Angeles, 49; A.M. Stanford, 50; Ph.D.(ed. psychol), Columbia, 60. Instr. ED. PSYCHOL., TEACHERS COL., COLUMBIA, 59-60, asst. prof., 60-62, ASSOC. PROF., 62-, RES. ASSOC. INST. LANG. ARTS, 64- Res. assoc., Lexington Sch. Deaf, 63- U.S.A.F., 50-54, 1st Lt. Psychol. Asn; Ed. Res. Asn; Nat. Conf. Res. English; Ling. Soc. Am. Language development of deaf children; verbal habits in organization and recall of verbal material; prediction and measurement of reading achievement. Publ: Contextual constraint in English prose paragraphs, J. Psychol., 61; Ability of deaf children to use different word classes, J. Speech & Hearing Res., 64; co-auth., Research studies on psycholinguistic behavior of deaf children, CEC Res. Monogr., 65. Address: Dept. of Psychology, Teachers College, Columbia University, New York, N.Y. 10027.
- McGINLEY, DR. A(NDREW) D(ODDS), JR., b. Wheeling, W.Va., Sept. 7, 20; m. 41; c. 2. INDUSTRIAL PSYCHOLOGY. B.S. Purdue, 48, M.S., 50, Ph.D., 51. Mem. sr. staff, personnel res. & consult., personnel eval. serv. dept., Gen. Motors Inst., 51-55; assoc. chmn., 55-58; personnel res. assoc., Mead Corp., 58-60, supvr. mgt. develop., indust. rels. dept., 60-63; mgr. personnel develop. & commun., Int. Div. Gen. Elec. Co., N.Y., 63-65; DIR. MGT. DEVELOP., ALLIS-CHALMERS MFG. CO., MILWAUKEE, 65- Psychol. Asn. Personnel; organization, manpower planning and development; leadership; industrial social processes; management. Publ: Job performance criteria studies & The job performance of proofreaders, J. Appl. Psychol. Address: 4160 N. Cherokee Dr., Brookfield, Wis. 53005.
- McGINLEY, JAMES J(OSEPH), S.J., b. New York, N.Y., Oct. 22, 10. ECONOMIC. A.B. Woodstock Col., 33, A.M. & Lic.Phil., 34, Lic.Theol., 41; A.M. Fordham, 37; Ph.D., Columbia, 47. Asst. prof., inst. soc. sci., St. Louis, 47-49; Fulbright exchange prof. soc. sci. & dir. dept., Ateneo de Manila, 49-50; asst. prof. econ., Fordham, 50-55, assoc. prof., 55-59, dean sch. bus., 54-59; pres., Canisius Col., 59-66; dir. ed., Buffalo Prov. Soc. of Jesus, 66-68; MEM. ADMIN. CONSULT. SERV., ASN. AM. COLS., 67- Econ. Asn; Indust. Rel. Res. Asn. Theoretical and institutional economics. Publ: Trade unionism in public employment; Labor relations in the New York Rapid Transit System. Address: 420 Demong Dr., Syracuse, N.Y. 13214.
- McGINN, DR. NEOL F(RANCIS), b. Colon, Panama, Dec. 28, 34; U.S. citizen; m. 59; c. 4. SOCIAL PSYCHOLOGY. A.B. California, Santa Barbara, 58, A.M., 60; Ph.D.(soc. psychol), Michigan, 62. Psychol. trainee, Devereux Schs., Calif., 57-58; prof. psychol. & sociol., Inst. Tech. & Adv. Studies, Guadalajara, Mex., 62-64; res. assoc. Venezuelan-Guayana Proj., CENTER STUDIES ED. & DEVELOP., HARVARD, 64-65, LECTR. & RES. ASSOC., CENTER, 65- Consult., Ford Found., Brazil, 66-; Ed. & World Affairs, 67-; Secy. Ed., P.R., 67- Psychol. Asn; Sociol. Asn; Soc. Int. Develop. Psychological correlates of hypertension; familial antecedents of personality in adults; determinants of school attendance and achievement; social psychological aspects of urbanization; social factors in educational planning. Publ: Co-auth., Build a mill, build a city, build a school, M.I.T. Press, 68; Psychological correlates of blood pressure, Psychol. Bull., 64; auth., Marriage and family in middle-class Mexico, J. Marriage & Family, 66. Address: Center for Studies in Education and Development, Harvard University, 38 Kirkland St., Cambridge, Mass. 02138.
- McGINNIES, PROF. ELLIOTT M(ORSE), b. Buffalo, N.Y., Sept. 19, 21. PSYCHOLOGY. B.A. Buffalo, 43; M.A. Brown, 44; fel., Harvard, 44-47, Ph.D., 48. Asst. prof. PSYCHOL., Alabama, 47-52, MARYLAND, 52-55, assoc. prof., 56-60, PROF., 60-, chief investr., Nat. Inst. Ment. Health spec. grant, 53-56. U.S.A., 43. Psychol. Asn. Group processes; social and personality factors in perception; verbal behavior. Publ: Emotionality and perceptual defense, Psychol. Rev.; Personal values as determinants of word association, J. Abnorm. & Soc. Psychol.; Visual recognition thresholds as a function of word length and word frequency, J. Exp. Psychol. Address: Dept. of Psychology, University of Maryland, College Park, Md. 20742.
- McGINNIS, DR. DOROTHY J., b. Dowagiac, Mich., May 28, 20. PSYCHOLOGY. B.S. Western Michigan, 43; M.A. Ohio State, 48; Ph.D.(reading), Mich. State, 63. Psychometrist, psycho-ed. clin., WESTERN MICHIGAN, 42-44, instr. psychol., 44-48, asst. prof. psychol. & assoc. dir. psycho-ed. clin., 48-64, assoc. prof. psychol. & ed., 64-68, PROF. ED., 68-, DIR. PSYCHO-ED. CLIN., 64- AAAS; Psychol. Asn; Int. Coun. Psychol. Reading and college orientation. Publ: Teaching individuals to read, Heath, 62; Building a successful college career, 65 & co-auth., Reading, a key to academic success, 67, W.C.
- Brown. Address: Psycho-Educational Clinic, Western Michigan University, Kalamazoo, Mich. 49001.
- McGINNIS, PROF. ESTHER, b. Columbus, Ohio, Nov. 27, 93. PSYCHOLOGY. B.S. Ohio State, 15, LL.D. 51; M.S. Columbia, 22; Nat. Res. Coun. fel., Minnesota, 26-28, Ph.D.(child develop), 28. Asst. Ohio State, 15-16; instr., Maine, 16-17, from asst. prof. to assoc. prof., 18-23, prof. & head dept., 23-26; instr., Idaho, 17-18; prof. in charge parent ed., inst. child welfare, Minnesota, 28-30; family life, N.Y. State Teachers Col., 36-45; asst. dir., Merrill-Palmer Sch., 45-47, dir., 47-52; prof. HOME ECON., OHIO STATE, 52-59, EMER. PROF., 59- Fel. Psychol. Asn; fel. Soc. Res. Child Develop.; Nat. Coun. Family Rel. Child development; parent education; family life education. Publ: Strengthening family relationships aspects of home economics teaching at secondary level, Bull. Am. Home Econ. Asn; Contributions of home economics to general education; co-auth., Parent education. Address: Box 243, Worthington, Ohio 43085.
- McGINNIS, DR. JOHN M(ARSHALL), b. Worthington, Ohio, June 6, 03; m. 33; c. 3. PSYCHOLOGY. A.B. Lake Forest Col., 24; A.M. Harvard, 25; fel. & Ph.D.(psychol), Yale, 29. Instr. psychol., Maine, 25-27; from asst. prof. to prof., Hollins Col., 29-43; prof., Beloit Col., 43-45; dir. personnel res. & training, Oscar Mayer & Co., 45-49, RES. PSYCHOLOGIST, 49-51; OFF. QM. GEN., U.S. DEPT. ARMY, 51-53, U.S. ARMY NATICK LABS, 53- Dipl. indust. psychol., Am. Bd. Exam. Prfnl. Psychol. Fel. AAAS; fel. Psychol. Asn; Psychonomic Soc. Experimental psychology related to the design and use of military clothing, personal equipment and systems; effects of climatic stresses on human behavior; experimental approaches to child psychology. Publ: Eye movements and optic nystagmus in early infancy, Genetic Psychol. Monogr., 30; Effectiveness of prototype cold weather face masks for military activities, Qm. Res. & Eng. Command, 57; co-auth., Back-packing the Davy Crockett weapon system: effect of carrying very heavy loads, U.S. Army Natick Labs, 65. Address: 12 Barnesdale Rd., Natick, Mass. 01760.
- McGINNIS, PROF. ROBERT, b. Tex., Oct. 19, 27; m. 50; c. 3. SOCIOLOGY. B.A. San Francisco State Col., 50; M.A. Stanford, 51; Ph.D.(sociol), Northwestern, 55. Asst. prof. SOCIOL. Florida State, 53-55; Wisconsin, 55-57, assoc. prof., 57-61; PROF. CORNELL, 61- Ed. consult., Bobbs-Merrill Co. Inc.; consult., Nat. Register Sci. & Tech. Personnel, Nat. Sci. Found., 65-; Dept. Health Ed. & Welfare. U.S.M.C., 45-46. Sociol. Asn; Statist. Asn; Pop. Asn; Int. Peace Res. Soc. Research methods and mathematical applications in sociology. Publ: Mathematical foundations for social analysis. Address: Dept. of Sociology, Cornell University, Ithaca, N.Y. 14850.
- McGLADE, DR. FRANCIS STANLEY, b. Bethlehem, Pa., June 6, 30; m. 52; c. 3. SOCIOLOGY. EDUCATIONAL RESEARCH. B.S. East Stroudsburg State Col., 52; M.A. N.Y. Univ., 56, fel. & Ph.D.(ed. res.), 60. Teacher, high sch., N.J., 54-59; res. asst. safety res., N.Y. Univ., 59-60; res. assoc. Nat. Ed. Asn., 60-63; dir. safety ed. U.S. Army Adm. Gen. Sch., 63-65, br. chief safety ed., U.S. DEPT. ARMY, 65-67, DEP. DIR. ACCIDENT PREV., 67- U.S. Pub. Health Serv. res. grant accident res., 60-62. Consult., drivers safety serv., Int. Textbook Co., 64- Mem. Highway Res. Bd. Nat. Acad. Sci.-Nat. Res. Coun., 63-; chmn. ed. div., Nat. Safety Coun., 67- Superior performance award, U.S. Dept. Army, 67. U.S.A., 52-54. Soc. Safety Eng.; Ed. Res. Asn; Sociol. Asn. Accident research, especially educational, sociological and behavioral aspects of human element in accident incidence. Publ: Co-auth., Accident prevention, McGraw, 61; auth., School-age accidents and education, Nat. Ed. Asn., 63. Address: 6540 Chesterfield Ave., McLean, Va. 22101.
- McGLAMERY, DR. C(HARLES) D(ONALD), b. Quinlan, Okla., Sept. 11, 20; m. 41; c. 4. SOCIOLOGY. B.S. Okla. Agr. & Mech. Col., 43, M.S., 50; Ph.D.(sociol), Washington (Seattle), 53. Instr. & res. assoc. SOCIOL. Washington (Seattle), 50-53; asst. prof., Emory, 53-57; assoc. prof., Alabama University, 57-60, PROF. SOCIOL. & ANTHROP. & HEAD DEPT., 60-67, ALABAMA, BIRMINGHAM, 67- Ford Found. econ. ed. fel. 55; prof. Med. Col. Ala., 67- Mem. White House Conf. Aging, 61; participant, conf. creativity in classroom, Nat. Sci. Found., 63. U.S.A., 44-46, Sgt. Sociol. Asn. Industrial sociology; marriage and family; research methodology. Publ: Co-auth., Mental health survey in Alabama, State Health Dept. Ala., 64. The evolution of desegregation attitudes of southern university students, South. Sociol. Soc. 66 & Student housing and academic participation, achievement and identification. Address: College of General Studies, University of Alabama, Birmingham, Ala. 35233.
- McGLONE, DR. EDWARD LEON, b. Athens, Ohio, Sept. 20, 41; m. 63; c. 1. COMMUNICATIONS, SPEECH. B.A. & M.A. Ohio State, 63; Woodrow Wilson fel., Ohio, 63-64, Ph.D.(interpersonal commun), 67. ASST. PROF. SPEECH, NORTHERN ILLINOIS, 64- Consult., Ohio State Fair Board, 63; U.S. Air Force, Ohio State Univ., 63; Ill. Div. Voc. Rehab., 66. Soc. Study Commun. Speech Asn. Commitment and persuasion; measurement of understanding. Address: 717 Leonard Ave., DeKalb, Ill. 60115.
- McGLOTHLIN, DR. WILLIAM H(ERSHEL), b. Portland, Tenn., Feb. 5, 24; m. 54. PSYCHOLOGY. B.S. Chicago, 47; A.M. Southern California, 53, Ph.D.(psychol), 54. Asst. dept. psychol., Southern California, 52-53; assoc. soc. scientist, Rand Corp., 54-62, soc. scientist, 62-66; RES. PSYCHOLOGIST, INST. GOVT. & PUB. AFFAIRS, CALIFORNIA, LOS ANGELES, 67- Res. assoc., Southern California, 64-66; prin. investr., Nat. Inst. Ment. Health res. grants, 64-66 & 67-69. U.S.A.F., 43-46, Lt. AAAS; Psychol. Asn. Psychological effects of consciousness-altering drugs; creativity; decision making. Publ: Psychometric study of gambling, J. Consult. Psychol.; Stability of choices among uncertain alternatives, Am. J. Psychol.; co-auth., Long-lasting effects of LSD on normals, Arch. Gen. Psychiat., 67. Address: 3081 Rambla Pacifico, Malibu, Calif. 90265.
- McGLYNN, PROF. EDNA M(ARY), Hist, Govt, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- McGOLDRICK, JAMES B., S.J., b. Co. Sligo, Ireland, Aug. 15, 95; nat. PSYCHOLOGY. A.B. Gonzaga, 23, M.A., 24; Ph.D., Washington (Seattle), 35. Head dept. ed., Gonzaga, 26-27; dean, SEATTLE, 33-43, prof. ED. & chmn.

- dept, 44-65, EMER. PROF, 65- Psychol. Asn. Psychiatry education. Publ: Co-auth, Fundamental psychiatry. Address: Dept. of Psychology, Seattle University, Seattle, Wash. 98122.
- McGOLDRICK, PROF. JOSEPH D, b. Brooklyn, N.Y., June 1, 01; m. 40; c. 3. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A., Columbia, 22, M.A., 23, Ph.D., 31; LL.B., Fordham, 29. Instr. polit. sci., Columbia, 23-30, asst. prof., 30-35, assoc. prof., 35-37; comptroller, City of New York, 38-45; rent adminstr., State of N.Y., 50-55; PROF. POLIT. SCI., Queens Col. (N.Y.), 55-67; BARUCH COL, CITY UNIV. NEW YORK, 67- Polit. Sci. Asn; Soc. Pub. Admin. Public law; municipal finance and administration. Publ: Law and the practice of municipal home rule; Regulation of housing and buildings in N.Y.C. Address: Baruch Graduate Center, 257 Park Ave. S., New York, N.Y. 10010.
- McGOUGH, DR. WILLIAM EDWARD, b. Union City, N.J., Nov. 12, 28. SOCIAL PSYCHIATRY, PSYCHOPHYSIOLOGY. B.S., St. Peter's Col., 50; M.D., Duke, 56. Instr. PSYCHIAT, sch. med. Rochester, 60; sch. med. Duke, 61-63, asst. prof., 63-64; RUTGERS MED. SCH., 64-66, ASSOC. PROF., 66- Consult, N.J. Neuropsychiat. Inst., 56-64; consult, John Umstead State Hosp., Butner, N.C. & staff psychiatrist, Duke Hosp., 61-64; attend. psychiatrist, Vet. Admin. Hosps., Durham, 63-64 & consult, Fayetteville, N.C., 64 & Lyons, N.J., 67-; N.J. Rehab. Cmn., 64-; med. col., Cornell, 65-66; Marlboro State Hosp., N.J., 65-; family life & ment. health proj., sch. pub. health, Harvard Med. Sch., 66- Dipl. Am. Bd. Psychiat. & Neurol., 63. Psychiat. Asn; Psychosom. Soc; Am. Med. Asn; Anthropol. Asn. Psychophysiology of the cardiovascular system; perceptual factors and the autonomic nervous system; cultural factors in depression. Publ: Changing patterns of psychiatric illness among Negroes of the southeastern United States, Excerpta Medica Found., 67; The importance of empathic communication in anthropological research, Int. J. Soc. Psychiat., 8/64; co-auth, Patterns of fat mobilization in field-dependent and field-independent subjects, Psychosom. Med., 5-6/65. Address: 3000 S. Clinton Ave., South Plainfield, N.J. 07080.
- McGOVERN, DR. JOSEPH D, Clin. Psychol., see 10th ed, Soc. & Behav. Vols.
- McGOVERN, PROF. WILLIAM MONTGOMERY, Polit. Sci., see 10th ed, Soc. & Behav. Vols., deceased 64.
- McGOVNEY, WARREN C(ARL), b. Chicago, Ill., Nov. 15, 25; m. 51; c. 3. PSYCHOLOGY, SOCIOLOGY. B.A., Elmhurst Col., 49; M.A., Mich. State, 53. Admissions counsr., Elmhurst Col., 49-50; head order dept., Bemis Bro. Bag Co., 50-52, 53-54; salesman, Flexonics Corp., 54-55, sales supvr., 55-56, personnel mgr. cent. staff, 56-57, admin. asst. to indust. rels. mgr., 57-59, mgr. orgn. planning, 59-60; mgt. consult, Tec-Search, Inc., Ill., 60-61, dir. creative mgt. progs., 60-64; PERSONNEL CONSULT, 64- Instr., Indust. Mgt. Inst., 62- U.S.A.A.F., 44-45. Psychol. Asn; Soc. Training & Develop. Effect of dogmatism on cognition; executive development programs; relation of education to industry; research and development activities directed toward the application of concepts of Douglas McGregor in industry and industrial education, directed toward mutual growth of individual and company. Publ: Collab. Open and closed mind; auth, Start looking for executive adventurers, 63 & Have you stopped growing, 65, Bus. Mgt. Mag. Address: 819 S. See-Gwun Ave., Mt. Prospect, Ill. 60056.
- McGOWAN, PROF. STUART R(ICE), b. Cleveland, Ohio, Apr. 20, 04. POLITICAL SCIENCE. Ph.B., Kenyon Col., 28; A.M., Western Reserve, 33. Asst. to pres, KENYON COL., 29-30, instr. hist., 30-32, asst. prof. hist. & polit. sci., 33-41, assoc. prof. polit. sci., 42-55, chmn. dept., 48-52, PROF. HIST., 56-, registr., 38-64, Polit. Sci. Asn. Address: Dept. of History, Kenyon College, Gambier, Ohio 43022.
- McGOWN, WAYNE F, b. Stevens Point, Wis., Feb. 28, 29; m. 61; c. 2. ACCOUNTING, POLITICAL SCIENCE. B.S., Wisconsin, 50, M.S., 58. Dist. exec. Boy Scouts Am., Ill., 50-51, asst. scout exec., Wis., 53-57; budget analyst higher ed., Kimberly Clark Corp., 58-59; supv. budget analysts, bur. mgt., STATE WIS., 59-63, dir., 63-67, SECY, DEPT. ADMIN., 67- U.S.A., 51-53; U.S.N.R., 61-, Lt. Address: Dept. of Administration, State Office Bldg, B 114, 1 W. Wilson St., Madison, Wis. 53702.
- McGRADY, DR. HAROLD JAMES, JR., b. Wellsville, N.Y., Aug. 9, 32; m. 59; c. 2. SPEECH & LANGUAGE PATHOLOGY. B.S., Bowling Green State, 54; M.A., Ohio State, 55; Ph.D. (lang. path.), Northwestern, 64. Speech & hearing therapist, pub. schs., Ohio, 57-58; asst. lang. path., Northwestern, 58-62; asst. prof. ed. Emory, 62-63; LANG. PATH., Colorado State, 63-65; ASSOC. PROF., NORTHWESTERN, 65-, ASSOC. DIR. INST. LANG. DISORDERS, 68- Consult, workshops on lang. & learning disabilities, 65- U.S.A., 55-57, 1st Lt. Psychol. Asn; Speech & Hearing Asn. Psychology; psychological and intellectual effects of brain-injury in children, especially the residual effects of childhood aphasia. Publ: Language pathology and learning disabilities, In: Progress in learning disabilities, Grune, 68. Address: Institute for Language Disorders, Speech Annex 102, Northwestern University, Evanston, Ill. 60201.
- McGRATH, BRIAN A(LOYSIUS), S.J., b. Washington, D.C., Oct. 22, 13. POLITICAL SCIENCE. A.B., St. Louis, 36, Ph.L., 38; M.A., Georgetown, 40; S.T.L., Woodstock Col., 45; M.A., Harvard, 49. Instr. govt. col., GEORGETOWN, 39-40, 41-42, asst. prof., 49-50, acting head govt. dept., grad. sch., 49-50, DEAN COL. ARTS & SCI., 50-, ACAD. V.PRES. UNIV., 55-, ADMIN. V.PRES., 66- Asst. to ed., Theol. Studies, 42-45. Spec. consult, West. Polit. Heritage, 48-49. Polit. Sci. Asn. Political theory; American government and constitution; comparative European governments, especially France. Publ: Constitutional theory of Woodrow Wilson; Basic political philosophy of Woodrow Wilson. Address: Georgetown University, 37th & O Sts. N.W., Washington, D.C. 20007.
- McGRATH, PROF. GERALD, b. Birkenhead, Eng., Dec. 9, 32; m. 59; c. 3. GEOGRAPHY. B.A., Cambridge, 56, M.A., 60. Land surveyor, directorate overseas surv., Ministry Overseas Develop., U.K., 57-60; lectr. GEOG., Makerere Univ. Col., Uganda, 60-62; ASST. PROF. QUEEN'S (ONT), 62- Can. Coun. res. grant, 68. Mem. submt. control surv. & mapping, Nat. Adv. Cmt. Control Surv. & Mapping, Can., 66- Royal Corps Sig., Brit. Army, 51-53, Res., 53-56, Lt. Can. Inst. Surv. Representation of vegetation on topographic maps; map users and user requirements; tourist and national parks mapping; origins, development and coordination of surveys and mapping in East Africa. Publ: Co-auth, Atlas of Uganda, Dept. Lands & Surv., Uganda, 62, Regional statistics and their uses: a geographical viewpoint, In: Conference on statistics, 1964, Univ. Toronto, 66 & Further thoughts on the representation of vegetation on topographic and planimetric maps, Cartog. J., 66. Address: Dept. of Geography, Queen's University, Kingston, Ont., Can.
- McGRATH, DR. JAMES J(OSEPH), b. Truro, Mass., Sept. 23, 28; m. 55; c. 4. PSYCHOLOGY. Scholar. & A.B., Southern California, 56, A.M., 59, Ph.D., 61. Contractor, Shell Chem. Corp., 52-56; personnel mgr., Enoch Chevrolet Co., 56-57; asst. psychol. res., HUMAN FACTORS RESEARCH, INC., GOLETA, 57-59, res. assoc., 59-60, res. scientist, 60-64, sr. res. scientist, 64-66, V.PRES., 66- Lectr., U.S. Armed Forces Inst., 60-61; Los Angeles Harbor Col., 60- U.S. Merchant Marine, 44-49; U.S.A., 50-51. Psychol. Asn; Human Factors Soc; Am. Inst. Navig. Experimental study of human vigilance, orientation and performance under stress; simulation studies of low-altitude flight and navigation aids. Publ: Co-auth, Vigilance: a symposium, McGraw, 63; auth, Aeronautical charts and map displays, Off. Naval Res., 67; Geographic orientation series, Human Factors Res., 62-68. Address: 5348 Paseo Rio, Santa Barbara, Calif. 93105.
- McGRATH, DR. JOHN E(DWARD), Econ. Bus. Admin., see 10th ed, Soc. & Behav. Vols.
- McGRATH, PROF. JOSEPH EDWARD, b. DuBois, Pa., July 17, 27; m. 52; c. 4. SOCIAL PSYCHOLOGY. B.A., Maryland, 50, M.A., 51; Horace Rackham fel., Michigan, 52-53, Ph.D. (soc. psychol.), 55. Res. scientist, Psychol. Res. Assocs., Inc., 55-57; v-pres. & dir. res. off., Human Sci. Res., Inc., 57-60; asst. prof. PSYCHOL., ILLINOIS, URBANA, 60-63, assoc. prof., 63-65, PROF., 65- Consult, Nat. Acad. Sci.-Nat. Res. Coun., 67- Mem. submt. team functions, adv. cmt. psychol. & soc. sci., U.S. Defense, 58-60. U.S.A., 45-47. AAAS; Psychol. Asn; Psychonomic Soc. Small group research; group performance criterion development; negotiation process; research methodology in social psychology; social-psychological factors in stress; behavior in complex organizations. Publ: Social psychology: a brief introduction, Holt, 64; Small group research: a synthesis and critique of the field, Holt, 66; Influence of positive interpersonal relations on adjustment and effectiveness in rifle teams, J. Abnorm. & Soc. Psychol. Address: 502 W. Michigan, Urbana, Ill. 61801.
- McGRATH, SISTER MARY, b. Fitchburg, Mass., Aug. 24, 96. PSYCHOLOGY. A.B., Michigan, 18; M.A., Pittsburgh, 20; Ph.D. (psychol.), Catholic Univ., 22. Dir. student field work in sociol., Trinity Col. (D.C.), 20-21; prof. psychol. & sociol., St. Mary's Col. (Mich.), 22-25; MARYGROVE COL., 25-42, PROF. PSYCHOL. & DIR. PSYCHOL. CLIN., 42- Organizer soc. serv. training, Nat. Cath. War Serv., Poland, 39-44. Fel. Psychol. Asn. Character and personality development, especially of young children; psychometrics; pre-school through adolescence. Address: Dept. of Psychology, Marygrove College, Detroit, Mich. 48221.
- McGRATH, THOMAS AUGUSTINE, S.J., b. Quincy, Mass., May 4, 19. PSYCHOLOGY. B.A., Boston Col., 43, M.A., 44; M.A., Catholic Univ., 48; Ph.D., Fordham, 60. Teacher, high sch., Mass., 44-46; instr. psychol., FAIRFIELD, 57-58, asst. prof., 58-61, ASSOC. PROF., 61-, DIR. PSYCHOL. SERV., 57- Psychologist, Kennedy Center, 57- Psychol. Asn; Personnel & Guid. Asn. Psychosomatic research; psychotherapy; teaching. Address: Dept. of Psychology & Education, Fairfield University, Fairfield, Conn. 06430.
- McGRAW, DR. B(OOKER) T(ANNER), b. Brooks Co., Ga., Aug. 24, 98. ECONOMICS, BUSINESS ADMINISTRATION. A.B., Atlanta, 23; M.A., Michigan, 24, M.B.A., 26; Gen. Ed. Bd. fel., Harvard, 31-33, A.M., 34, Rosenwald fel., 37-39, Ph.D. (econ.), 39. Prof. econ., Bishop Col., 30-31; prof. & head dept. econ. & bus. admin. & registr., Lincoln (Mo.), 33-49; dept. asst. to adminstr., Housing & Home Finance Agency, 47-54, racial rels. adv., 54-58, housing economist, 58-61, asst. to adminstr. intergroup rels., 61-65, ASST. TO SECY. INTERGROUP RELS., U.S. DEPT. HOUSING & URBAN DEVELOP., 65- Prin. consult, Nat. Housing Agency, 42-43, prin. housing analyst, 43-46, dep. asst. to adminstr., 46-47. Econ. Asn; Asn. Intergroup Rel. Off.; Planning Asn; Acad. Polit. & Soc. Sci. Monetary and fiscal policy; implications for minorities in housing supply and demand and urban renewal plans and programs. Publ: French monetary policy, 1927-1938; Urban renewal in the interest of all the people, Phylon Quart; New focus in housing and urban development, 66. Address: 1311 Delaware Ave. S.W., Apt. S-538, Washington, D.C. 20024.
- McGRAW, DR. FRANK MOSS, b. San Francisco, Calif., Aug. 31, 23; m. 43; c. 2. GEOGRAPHY, EDUCATION. B.A., Stanford, M.A., 51 & 58, Ed.D., 64. Head dept. & curriculum specialist, high sch., Calif., 50-68; ASSOC. PROF. & COORDINATOR GEOG., SOUTH ORE. COL., 66- Consult, high sch. dist., 64-66. Mem. prog. learning cmt., Nat. Coun. Soc. Studies, 66- U.S.C.G., 42-45. Asn. Am. Geog. Feed-back mechanisms in teacher training; simulation. Publ: Co-auth, Geography of the United States, Behav. Res. Labs., 64, Man's world, Scholastic Book Serv., 66 & Educating citizens for democracy, Oxford Univ., 68. Address: Dept. of Geography, Southern Oregon College, Ashland, Ore. 97520.
- McGRAW, PROF. MYRTLE B(YRAM) (MRS. R.F. MALLINA), b. Birmingham, Ala., Aug. 1, 99. PSYCHOLOGY. A.B., Ohio Wesleyan, 23; A.M., Columbia, 25, fel., 29-30, Ph.D., 31. Asst. prof. psychol., Fla. State Col. for Women, 28-29; res. psychologist & assoc. dir. norm. child develop. study, Babies Hosp., 30-42; teacher training, Child Ed. Found., 48-52; PROF. PSYCHOL. & DIR. CHILD DEVELOP. & ELEM. ED., BRIARCLIFF COL., 53- Psychol. Asn; Int. Neuropsychol. Soc; Soc. Psychol. Study Social Issues. Genetic psychology; reflexive and adaptive behavior in infants; growth; new relations between industry, government and education. Publ: Neuro-muscular maturation of human infant, Hafner, 66. Address: 162 Villard Ave., Hastings-on-Hudson, N.Y. 10706.

- McGREEVEY, DR. WILLIAM P. b. Greenville, Ohio, Apr. 14, 38; div; c. 2. ECONOMIC DEVELOPMENT. A.B. Ohio State, 60; Mex. City Col, 59; Woodrow Wilson fel. Mass. Inst. Tech, 60-61, univ. fel. 61-62, Ph.D.(econ), 65; For. Area fel. California, Berkeley, 63-64. ASST. PROF. econ, Oregon, 64-65; HIST, CALIFORNIA, BERKELEY, 65- Econ. Asn; Latin American Studies Asn; Hist. Asn. Latin American economic history. Publ: Recent research on the economic history of Latin America, *Latin Am. Res. Rev.* 2/68. Address: Dept. of History, University of California, Berkeley, Calif. 94720.
- McGREGOR, PROF. C(LARENCE) H(ENRY), b. Concordia, Kans, July 15, 02. MARKETING. B.S. Kans. State Teachers Col, 25; M.B.A. Kansas, 30; Ph.D. Northwestern, 37. Instr. econ, Kansas, 29-32; mkt, Northwestern, 32-36; from asst. prof. to prof. commerce & indust, Cleveland Col, Western Reserve, 36-42; economist, Off. Alien Property Custodian, D.C., 42, 44-45; indust. economist, Fed. Reserve Bank, Kans, 45-46; from prof. mkt. to BURLINGTON INDUSTS. PROF. BUS. ADMIN, NORTH CAROLINA, 46- U.S.N.R., 42-44. Mkt. Asn. Publ: Retail management problems: North Carolina hosiery industry and its marketing problems, grad. sch. bus. admin, Univ. North Carolina, 6/65. Address: Dept. of Business Administration, University of North Carolina, 313 Carroll Hall, Chapel Hill, N.C. 27514.
- MacGREGOR, PROF. DONALD C(HALMERS), b. Toronto, Ont, Aug. 31, 05; m. 38; c. 2. ECONOMICS. B.A. Toronto, 28; Guggenheim fel. Harvard, 43-44. Lectr, TORONTO, 31-38, asst. prof. ECON, 38-45, assoc. prof, 45-53, PROF, 53- Joint chmn. Ont. Cmt. Portable Pensions, 60-62; v.chmn., Pension Cmn. Ont. 63-66; mem. Inter-Am. Statist. Inst; Can. Tax Found. Am. Econ. Asn; Can. Econ. Asn; Royal Econ. Soc; fel. Royal Soc. Can. Economics and history of public finance; Canadian economic and fiscal problems. Publ: National income; co-auth, Second report of Ontario Committee on Portable Pensions; auth, Canada, In: London and Cambridge economic service, 1932-39 & 1943-49. Address: Dept. of Political Economy, University of Toronto, Toronto 5, Ont, Can.
- McGREGOR, PROF. DOUGLAS, Soc. Psychol, see 10th ed, Soc. & Behav. Vols, deceased.
- MACGREGOR, PROF. FRANCES COOKE, b. Portland, Ore, Apr. 21, 06. SOCIOLOGY. B.A. California, 27, M.A. Missouri, 47. Res. fel. plastic surg, Manhattan Eye, Ear & Throat Hosp, 47-48; res. assoc. sociol, dept. psychiat, col. med, N.Y. Univ, 49-53, coordinator interdisciplinary study, 49-51, Milbank Mem. Fund res. fel, dept. surg, 51-54; vis. asst. prof. soc. sci, Russel Sage Found. res. proj, SCH. NURSING, N.Y. HOSP-CORNELL MED. CENTER, 54-57, vis. assoc. prof. SOC. SCI, 57-60, assoc. prof, 60-63, PROF, 63- Consult. res. proj, N.Y. Univ. Med. Center-Inst. Reconstructive & Plastic Surg, 66- Fel. Sociol. Asn; fel. Anthropol. Asn; fel. Soc. Appl. Anthropol. Medical sociology; psychosocial aspects of patient care and rehabilitation; medical and nursing education; facial deformities and plastic surgery. Publ: Collab. Growth and culture; a photographic study of Balinese childhood, Putnam, 51; Facial deformities and plastic surgery: a psychosocial study, C.C. Thomas, 53; Social science in nursing: applications for the improvement of patient care; Russell Sage, 60. Address: 120 E. 90th St, New York, N.Y. 10028.
- MACGREGOR, PROF. GORDON, b. Haverhill, Mass, July 5, 02; m. 46; c. 3. CULTURAL ANTHROPOLOGY. B.A. Yale, 25; Ph.D. Harvard, 35. Yale fel. ethno, Bernice P. Bishop Mus, Hawaii, 31-33; asst. anthropol, Harvard, 34; archaeologist, Harvard & Pennsylvania Univs. Exped, Ireland, 35; Egyptian Explor. Soc, 35-36; appl. anthropologist, U.S. Bur. Indian Affairs, D.C., 36-45, supt, North. Cheyenne Indiana Agency, 45-47, soc. economist, Mo. River Basin Invests, 47-49; Pac. specialist, off. territories, U.S. Dept. Interior, 49-51; for. affairs officer, Tech. Coop. Admin, 51-53; res. assoc. ed, cmt. int. exchange persons, Conf. Bd. Assoc. Res. Coun, 53-56; sr. anthropologist, U.S. Pub. Health Serv, 57-66; PROF. ANTHROP, AMERICAN UNIV, 66- Prof. lectr, Oklahoma, 40; lectr, N.Center, Virginia, 60-62; adv. inst. agr. med, Iowa, 59-61. Consult. Int. Coop. Admin, Afghanistan, 56; Off. Econ. Opportunity, 66. Anthropol. Asn; Soc. Anthropol. (pres, 56-57). Applied anthropology; community development and public health administration in the United States. Publ: Co-auth, Health study of Kit Carson County, Colorado; auth, Warriors without weapons; American Fulbright scholar experience, Mongr, Soc. Appl. Anthropol. Address: 6353 Cross Woods Dr, Falls Church, Va. 22044.
- McGREGOR, PROF. JOHN C(HARLES), b. Pontiac, Ill, Nov. 10, 05; m. 30; c. 1. ANTHROPOLOGY. A.B. Arizona, 31, A.M., 32; Ph.D.(anthropol), Chicago, 46. Acting chief, State Mus, Ill, 42-45, admin. asst. & archaeologist, 45-48; assoc. prof. ANTHROP, ILLINOIS, URBANA, 48-51, PROF, 52-, field dir. archaeol. exped, 49-60. Fel. AAAS; fel. Anthropol. Asn; fel. Soc. Archaeol; Tree-Ring Soc. Southwestern and midwestern American archaeology. Publ: Southwestern archaeology; The Cohonina culture of northwestern Arizona; The Pool and Irving villages. Address: Dept. of Anthropology, University of Illinois, Urbana, Ill. 61801.
- McGREGOR, DR. JOHN (ROBERT), b. Flagstaff, Ariz, Feb. 4, 36; m. 63; c. 1. GEOGRAPHY. B.S. Illinois, 58, M.A., 61, Ph.D.(geog), 65. ASST. PROF. GEOG, GEORGIA, 63- Prin. investr, Off. Water Resources res. grant, 67-68. Consult, Ga. Mt. Planning & Develop. Cmn, 66-67. Asn. Am. Geog. Manufacturing geography, especially the functional nature of industrial areas; mineral resources; geomorphology. Publ: Delimiting industrial specialization regions in Georgia, Inst. Community & Area Develop, Univ. Georgia, 67; The development and present structure of Kane County manufacturing, 67 & Manufacturing linkages within the Kane County area, 68, Kane County Planning Dept, Ill. Address: Dept. of Geography, University of Georgia, Athens, Ga. 30601.
- MacGREGOR, PROF. MURRAY ALEXANDER, b. Colborne, Ont, Dec. 17, 23; m. 51; c. 3. AGRICULTURAL ECONOMICS. B.S.A. Toronto, 51, M.S.A., Cornell, 53, Ph.D.(agr. econ), 56. PROF. MKT, ONT. AGR. COL, GUELPH, 56- Can. Army, 44-46. Am. Agr. Econ. Asn; Can. Agr. Econ. Soc. Research methodology relating to problems in agricultural economics, especially marketing and prices. Address: Dept. of Agricultural Economics, Ontario Agricultural College, University of Guelph, Guelph, Ont, Can.
- McGREGOR, DR. RUSSELL C(ARHART), b. Norwalk, Conn, May 16, 26. FOREST ECONOMICS. B.S.F. Michigan, 51, Ph.D., 68; M.F., Yale, 52. Sci. aide geol. mapping Alaskan sect, U.S. Geog. Surv, 46-49; forester, div. forestry, U.S. Bur. Land Mgt, Alaska, 52; Tex. Nat. Forests, U.S. Forest Serv, 52-53, Alaska Forest Res. Center, 55-58; BUDGET EXAM, U.S. BUR. BUDGET, 59- U.S.A., 53-55. Econ. Asn; Farm Econ. Asn. Agricultural economics and policy; land and water economics and conservation. Address: 825 New Hampshire Ave. N.W., Washington, D.C. 20037.
- McGREW, PROF. JOHN GILBERT, b. Charleston, W.Va, Sept. 14, 10; m. 35; c. 1. ECONOMICS. A.B. W.Va. Inst. Tech, 32; A.M. West Virginia, 37; Ph.D. Illinois, 41. Prof. ECON, Concord Col, 41-45; PROF. & CHMN. DEPT, CLEVELAND STATE, 45- Vis. lectr, Cleveland Col, Western Reserve, 51-52, univ, 53. Econ. Asn; Statist. Asn. Consolidation of Jackson County schools; monetary and banking investigations in the United States and Great Britain since 1900. Publ: Principles of economics. Address: Dept. of Economics, Cleveland State University, Cleveland, Ohio 44115.
- McGRUDER, JOHN LANCER, b. Iowa City, Iowa, May 14, 16; m. 42; c. 2. POLITICAL SCIENCE. M.A. Chicago, 50. Spec. asst. to asst. gen. mgr. int. activities, U.S. Atomic Energy Cmn, 55-56, spec. asst. to chmn, 56-58, dir. div. plans, 58-62; dir. admin. planning, Martin-Marietta Corp, 62-65; DIR. OFF. EMERGENCY TRANSPORTATION, U.S. Dept. Commerce, 65-67; U.S. DEPT. TRANSPORTATION, 67- Prof. lectr, American Univ, 50-58, adj. prof, 58-; lectr. U.S. Dept. Agr. Grad. Sch, 53-54; dean, Wash. Hall Jr. Col, 54- Consult, Hoover Cmn. Orgn, 54-55; summer, Brookings Inst, 61. Exec. secy, net eval. subcm, Nat. Security Coun, 55; mem. Conf. Pub. Serv, 60- U.S.A., 40-46; U.S.A.F.R., 46-, Col. AAAS; Polit. Sci. Asn; Soc. Pub. Admin; Nat. Planning Asn. Public administration; planning; international relations. Address: 6903 Hillmead Rd, Bethesda, Md. 20034.
- McGUCKIN, DR. HENRY E, JR, Speech, Commun, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- McGUIGAN, PROF. DERRILL I, b. Boston, Mass, Feb. 2, 24. PSYCHOLOGY. B.A. St. Dunstan's, 49; B.Ed. New Brunswick, 53, M.Ed., 54; Ph.D.(hist. of ed), Ottawa (Ont), 56; M.A. Temple, 61, Ph.D.(psychol), 67. Teacher, high sch, P.E.I. 52-57; asst. prof. PSYCHOL, RIDER COL, 57-63, assoc. prof, 63-66, PROF, 66- Psychol. Asn. Depth and distance visual perception. Publ: Co-auth, Stimulus basis and modification of visual cliff performance in the rat, J. Animal Behav, 65. Address: Dept. of Psychology, Rider College, Box 298, Trenton, N.J. 08602.
- McGUIGAN, PROF. F(RANK) J(OSEPH), b. Oklahoma City, Okla, Dec. 7, 24; m. 50; c. 3. PSYCHOLOGY. Ph.D. Southern California, 50. Instr. psychol, Pepperdine Col, 49-50; asst. prof, Nevada, 50-51; from res. scientist to sr. res. scientist, HumRRO, George Washington, 51-55, acting dir. res, 53-54; PROF. PSYCHOL. & HEAD DEPT, HOLLINS COL, 55- Consult, Encyclop. Britannica, 61- U.S.N.R., 42-46. Psychol. Asn; Soc. Psychophysiol; Psychonomic Soc. Experimental psychology; learning; covert behavior. Publ: Experimental psychology, 2nd ed, 68; Biological basis of behavior, Prentice-Hall, 63; Thinking: studies of covert language processes, Appleton, 66. Address: Dept. of Psychology, Hollins College, Va. 24020.
- McGUINN, PROF. HENRY J(ARED), b. Jersey City, N.J., Dec. 1, 96; m. 27; c. 2. SOCIAL SCIENCE. A.B. Va. Union, 23; A.M. Columbia, 27, Ph.D., 40. From instr. to PROF. SOC. SCI, VA. UNION, 26-, CHMN. DIV, 36- U.S.A., 18-19. Legal sociology; social theory and change. Publ: The role of the courts and bi-racial accommodation; Equal protection of the laws and fair trials; The courts and equality of educational opportunity. Address: Dept. of Sociology, Virginia Union University, Richmond, Va. 23220.
- McGUIRE, PROF. CARL, b. Shenandoah, Iowa, Apr. 8, 11; m. 33; c. 3. ECONOMICS. A.B. Colorado, 35, A.M., 38; Ph.D. Missouri, 39. Instr. ECON, DePauw, 38-41; asst. prof, COLORADO, 41-49, assoc. prof, 49-56, PROF, 56-, CHMN. DEPT, 63- Fulbright award, Alexandria, Egypt, 52-53; vis. prof, American Univ. Beirut, 56-57; Fulbright res. prof, Cairo, Egypt, 61. Mem, Cmt. Taxation, Resources & Econ. Develop, 61- Econ. Asn; Royal Econ. Soc. Comparative economic systems; economics of trade between free and controlled economies. Publ: Economics of the Suez Canal under UAR management, Mid. E. J; Report on the Middle East, Colo. Quart; Point four and the national power of the United States, Am. J. Econ. & Sociol. Address: Dept. of Economics, University of Colorado, Boulder, Colo. 80302.
- McGUIRE, PROF. CARSON, b. Salmon Arm, B.C., Aug. 12, 10; nat; m. 47; c. 1. PSYCHOLOGY. B.A. British Columbia, 39; fel. Chicago, 44-45, Ph.D.(human develop), 49. Res. assoc. cmt. human develop, Chicago, 45-49; assoc. prof. ED. PSYCHOL, TEXAS, AUSTIN, 49-52, PROF, 52-, CONSULT, RES. & DEVELOP. CENTER TEACHER ED, 65-, dir. lab. human behav, 54-64, coordinator res. & develop, 61-65. Mem. & chmn. adv. panel, res. & develop. ed, U.S. Cong, 62-64. R.C.A.F., 42-45. Fel. AAAS; fel. Psychol. Asn; fel. Sociol. Asn; Soc. Res. Child Develop; Anthropol. Asn; Statist. Asn; Psychomet. Soc. Developmental social psychology; multivariate research methodology; personality assessment. Publ: Co-auth, Emergent views of intelligent behavior: men and their ideas, Prentice-Hall, 68 & Discrimination model for multivariate Q representations, Multivariate Behav. Res, 67; auth, Creativity and emotionality, In: Explorations in creativity, Harper, 67. Address: Dept. of Educational Psychology, Sutton Hall, Room 310, University of Texas, Austin, Tex. 78712.
- McGUIRE, PROF. CHRISTINE (MRS. JULES H. MASSERMAN), b. Jenkins, Ky, Aug. 1, 18; m. 43. ECONOMICS. B.A. Muskingum Col, 37; M.A. Ohio State, 38; Chicago, 38-41. With Univ. Chicago, 41-61; ASST. DIR. RES. MED. ED. CENTER STUDY MED. ED, COL. MED, ILLINOIS, 61-, PROF. ED. PSYCHOL, UNIV, 67- Consult, Am. Heart Assn, 64-; Am. Bd. Orthop. Surg, 64-; WHO, 66- Ed. Res. Asn; Nat. Coun. Measurement in Ed. Evaluation of medical education and professional competence; licensure examinations. Publ: Evaluating liberal adult education; Process approach to construction and analysis of medical examinations, J. Med. Ed, 63; Simulation techniques in measurement of problem-solving skills, J. Ed. Measurement, 67. Address: 2231 E. 67th St, Chicago, Ill. 60649.

McGUIRE, DR. FREDERICK L. b. New London, Conn, June 25, 26; m. 50; c. 3. PSYCHOLOGY. M.A. N.Y. Univ, 51. Res. psychologist, med. res. lab, U.S. Dept. Navy, Conn, 51-52, clin. psychologist, Bethesda Naval Hosp, Md, 52, res. psychologist & head psychol. dept, Naval Med. Field Res. Lab, Camp Lejeune, N.C, 52-55, clin. psychologist & head psychol. dept, U.S. Naval Hosp, Phila, Pa, 55-57, head psychol. dept, San Diego, Calif, 57-59, proj. dir, Naval Neuropsychiat. Res. Unit, 59-60; asst. prof. psychiat. & head div. psychol. sch. med, Mississippi, 60-65, ASSOC. PROF, 60-65; MED. PSYCHOL, CALIFORNIA, IRVINE, 65- U.S.N. 44-46, Res, 51-, Comdr. AAAS; Psychol. Asn. Experimental, clinical and applied psychology; vision; personality and human factors in highway accidents; tests of brain damage. Publ: The McGuire safe-driver scale, West. Psychol. Serv, 61; Psycho-social studies of medical students, J. Med. Ed, 5/66; co-auth, Psychotherapy by television: a research paradigm, Psychother: theory, res. & practice, 11/66. Address: University of California, California College of Medicine, 1721 Griffin Ave, Los Angeles, Calif. 90031.

McGUIRE, DR. JAMES C, b. St. Louis, Mo, Aug. 8, 17; m. 54. EXPERIMENTAL PSYCHOLOGY. A.B. Washington (St. Louis), 49, univ. fel, 52-53, A.M, 53, Ph.D, 54. Res. assoc. eng. psychol, Ohio State, 53-56; res. psychologist, aerospace med. lab, Wright-Patterson Air Force Base, 56-59; group superv. human factors eng. sect, Boeing Airplane Co, Wash, 59-61; mgr. syst. utilization dept, Int. Elec. Corp, N.J, 61-62; sr. human factors scientist, Sys. Develop. Corp, 62-67; RES. DIR. & MGR. BOOZ-ALLEN APPL. RES. INC, SAIGON, VIETNAM, 67- Mem. bd. inquiry, army logistic syst, U.S. Dept. Army, 66-67. Tech. Serv. Medal, 1st Class, Joint Gen. Staff, Repub. Vietnam Armed Forces, Saigon, 68. U.S.A. 40-46, Res, 46-, Lt. Col. AAAS; Psychol. Asn; Opers. Res. Soc. Am; Human Factors Soc; Inst. Elec. & Electronics Eng; Inst. Mgt. Sci. Systems research; man-machine systems, especially air traffic control, manned space vehicles and command-control systems; application of methods of engineering psychology to man-machine interface problems in weapon system development. Publ: Radio channel load distribution analyzer for use in studies of communication flow in radar approach control centers; Functional requirements of the pilot and indicator system for guidance and control of the recoverable booster; System/project management: procedures for integrated management of the human factors aspects of army system development, Syst. Develop. Corp, 7/66. Address: 4531 Jubillo Dr, Tarzana, Calif. 91356.

McGUIRE, JOHN R (ICHARD), b. Milwaukee, Wis, Apr. 20, 16; m. 45; c. 1. FOREST ECONOMICS. B.S. Minnesota, 39; M.F. Yale, 41; M.A. Pennsylvania, 54. Res. center leader, Northeast. Forest Exp. Sta, U.S. FOREST SERV, Pa, 49-51, resource analyst & acting div. chief, 51-55, chief, div. forest econ. res, 55-57, Pac. Southwest. Forest & Range Exp. Sta, 57-62, dir, 63-67, staff asst. res, HQS, D. C. 62-63, DEP. CHIEF PROG. PLANNING & LEGIS, 67- U.S.A. 41-46, Maj. Soc. Am. Foresters. Address: 6608 Oakwood Dr, Falls Church, Va. 22041.

McGUIRE, DEAN JOSEPH W (ILLIAM), b. Milwaukee, Wis, Mar. 14, 25; m. 46; c. 4. ECONOMICS. Ph.B. Marquette, 48; M.B.A. Columbia, 50, Ph.D. (econ), 56. Instr. bus. Washington (Seattle), 50-52, asst. prof, 52-56, assoc. prof, 56-61, prof, 61-62; vis. prof. econ, Hawaii, 62-63; prof. bus. & econ. & dean sch. bus. Kansas, 63-68; PROF. INDUST. ADMIN. & DEAN COL. COMMERCE & BUS. ADMIN, ILLINOIS, URBANA, 68- Fulbright vis. prof. Netherlands Sch. Econ, 57-58; Ford res. fel, 59; Danforth fel, 59; vis. prof. grad. sch. indust. admin, Carnegie-Mellon Univ, 67-68. Consult. Hwy. Cost Allocation Proj, State of Wash, 54-56; Boeing Airplane Co, 57-59-60; State of Hawaii, 62-63. McKenzie awards, 63, 65. Econ. Asn; Acad. Mgt. Organizational behavior; managerial economics; management. Publ: Co-auth. Interdisciplinary studies in business behavior. Southwestern, 62; auth. Business and society, McGraw, 63; Theories of business behavior, Prentice-Hall, 64. Address: College of Commerce & Business Administration, University of Illinois, Urbana, Ill. 61801.

McGUIRE, DR. LOUIS E (DWARD), b. Tupelo, Miss, Jan. 1, 38; m. 61. PSYCHOLOGY. B.A. Mississippi, 60, M.A. 61, Ph.D. (psychol), 66. ASST. PROF. PSYCHOL, Converse Col, 66-67; NORTHEAST LOUISIANA, 67- U.S.A. 60-63, Res, 63-67, 1st Lt. AAAS. Psychopharmacology; psychobiology. Publ: Co-auth. Methamphetamine reinforcement in rats, Psychonomic Sci, Vol. 8, No. 9. Address: Dept. of Psychology, Northeast Louisiana University, Monroe, La. 71201.

McGUIRE, DR. MARTIN CYRIL, b. China, Dec. 12, 33; U.S. citizen; m; c. 2. ECONOMICS. B.S. U.S. Mil. Acad, 55; Rhodes scholar, Oxford, 55, B.A. 58; Ph.D. (econ), Harvard, 64. Teaching fel, grad. sch. pub. admin, Harvard, 61-63, Richard D. Irwin fel. dept. econ, 63-64; opers. res. analyst, Off. Asst. Secy Defense for Sys. Anal, 64-65; dir. off. prog. plans & anal. econ. develop. admin, U.S. Dept. Commerce, 65-67; ASSOC. PROF. ECON. & DIR. PROG.-BUDGETING SYSTS. ANAL, MARYLAND, 67- Consult, U.S. Dept. Commerce, 67-; Econ. Develop. Admin, 67-; U.S. Arms Control & Disarmament Agency, 67-; U.S. Bur. Budget, 68- Mem. strategic planning group, Off. Chief Engrs, U.S. Dept. Army, 59-61, post attack mobilization cmt, U.S. Dept. Army, 60-61. U.S.A. 51-61, Capt. Economic theory; system analysis. Publ: Secrecy and the arms race, Harvard, 65; The structure of choice between deterrence and defense, Issues in Defense Econ, Nat. Bur. Econ. Res, 67. Address: Dept. of Economics, University of Maryland, College Park, Md. 20740.

McGUIRE, PROF. WILLIAM J (AMES), b. New York, N.Y., Feb. 17, 25; m. 54; c. 3. PSYCHOLOGY. B.A. Fordham Col, 49, M.A. 50; Fulbright scholar, Louvain, 50-51; Ph.D. (psychol), Yale, 54. Fel. psychol, Minnesota, 54-55; instr. Yale, 55-56, asst. prof, 56-58; Illinois, 58-59, assoc. prof, 59-61; soc. psychol, Columbia, 61-63, PROF, 63-67; PSYCHOLOGY, CALIFORNIA, SAN DIEGO, 67- Ed. J. Personality & Soc. Psychol, 68- U.S.A. 43-46. AAAS; Psychol. Asn; Sociol. Asn. Immunization against persuasion; correlates of persuasibility; communication; selective perception. Publ: Co-auth, Cognitive consistency: a source book, 68 & auth, Personality and susceptibility to social influence, In: Handbook personality, 68, Rand McNally; Nature of attitudes and attitude change, In: Handbook social psychology, Addison-Wesley, 68. Address: Dept. of Psychology, University of California at San Diego, La Jolla, Calif. 92037.

McGURK, PROF. FRANK C (RAIG) J (OSEPH), Psychol, see 11th ed, Phys. & Biol. Vols.

McHALE, PROF. JULIA LOIS, b. Syracuse, N.Y., Sept. 5, 19. PSYCHOLOGY. A.B. Syracuse, 49; Ph.D. Minnesota, 56. Asst. prof. ed, State Univ. N.Y. Col. Ed. (Oswego), 53-54; clin. psychologist, Syracuse State Sch, State Ment. Hyg. Dept, N.Y., 54-56; res. assoc. inst. except. children, Illinois, 56-57; specialist child develop, Okla. Ment. Retardation Center, 57-60; assoc. prof. PSYCHOL, OKLA. STATE, 60-63, PROF, 63-, DIR. MENT. RETARDATION PROJ, 60- Fulbright lectr, UAR, 65-66. Dir, Sunnyside Sch. Retarded, Tulsa, Okla, 57-58; sr. clin. psychologist, Children's Med. Center, 57-60; coordinator, Payne County Guid. Center, 60- Consult, State Health Dept, Okla, 57-62; ment. health cmt, State Legis, Okla, 61-62. Mem. Coun. Except. Children. W.A.C. U.S.A., 43-46. Psychol. Asn; fel. Asn. Ment. Deficiency; Interam. Soc. Psychol. Personality development; aging processes; exceptional children; preventive mental health; family and parent-child dynamics; physiological psychology. Publ: Habituation of the mentally retarded & Team approach to mental retardation, Okla. J. Pub. Health; Marital integration and parent's agreement on satisfaction with child behavior, Marriage & Family Living. Address: Dept. of Psychology, Oklahoma State University, Stillwater, Okla. 74074.

McHALE, DR. THOMAS J (OSEPH), b. Milwaukee, Wis, Sept. 17, 31; m. 60; c. 4. EXPERIMENTAL PSYCHOLOGY. A.B. St. Louis, 58, M.A. 60; M.S. Illinois, 62, Ph.D. (psychol), 65. ASST. PROF. PSYCHOL, Gonzaga, 64-65; MARQUETTE, 65-; RES. DIR. CLASSROOM LEARNING, MILWAUKEE INST. TECH, 65- Consult, Conf. Hearing & Ed. Process, 64- Human cognitive processes and learning, retention, transfer, especially in classroom learning. Address: Dept. of Psychology, Marquette University, College of Liberal Arts, Milwaukee, Wis. 53233.

McHARGUE, PROF. DANIEL S (STEPHEN), b. Colton, Calif, Apr. 14, 17; m. 41. POLITICAL SCIENCE. A.B. California, Los Angeles, 38, A.M. 41, fells, 41-42, 46, Ph.D. 49; summers, Columbia, 43, 45. Instr. econ. hist. & govt, U.S. Mil. Acad, 43-45; lectr, California, Los Angeles, 47-48, 49-50; instr. polit. sci, Michigan, 50-52; asst. prof, 52-56, assoc. prof, 56-62, res. assoc. inst. pub. admin, 50-52; vis. prof. pub. admin, Southern California, 62-64; California, Berkeley, 65; prog. specialist, Ford Found. Mid. East. Prog, 65-66; PROF. GOVT, SOUTHERN ILLINOIS, EDWARDSVILLE, 67- Vis. prof, Philippines, 54-55; Fulbright lectr, grad. sch. pub. admin, Bologna, Italy, 58-59. Consult, Citizens for Mich, 60; Southeast. Mich. Metrop. Community Res. Corp, 61; Constitutional Convention of Mich, 61-62. Polit. Sci. Asn; Soc. Pub. Admin; Soc. Int. Develop. State government; public administration and law. Publ: Michigan government in brief; Public administration in the Philippines; Direct government in Michigan, Gov. Constitutional Convention Prep. Cmn, 61. Address: Dept. of Government, Southern Illinois University, Edwardsville, Ill. 62025.

McHENRY, DR. DEAN E (UGENE), b. Lompoc, Calif, Oct. 18, 10; m. 35; c. 4. POLITICAL SCIENCE. A.B. California, Los Angeles, 38, A.M. 41, fells, 41-42, 46, Ph.D. 49; summers, Columbia, 43, 45. Instr. econ. hist. & govt, U.S. Mil. Acad, 43-45; lectr, California, Los Angeles, 47-48, 49-50; instr. polit. sci, Michigan, 50-52; asst. prof, 52-56, assoc. prof, 56-62, res. assoc. inst. pub. admin, 50-52; vis. prof. pub. admin, Southern California, 62-64; California, Berkeley, 65; prog. specialist, Ford Found. Mid. East. Prog, 65-66; PROF. GOVT, SOUTHERN ILLINOIS, EDWARDSVILLE, 67- Vis. prof, Philippines, 54-55; Fulbright lectr, grad. sch. pub. admin, Bologna, Italy, 58-59. Consult, Citizens for Mich, 60; Southeast. Mich. Metrop. Community Res. Corp, 61; Constitutional Convention of Mich, 61-62. Polit. Sci. Asn; Soc. Pub. Admin; Soc. Int. Develop. State government; public administration and law. Publ: Michigan government in brief; Public administration in the Philippines; Direct government in Michigan, Gov. Constitutional Convention Prep. Cmn, 61. Address: Dept. of Government, Southern Illinois University, Edwardsville, Ill. 62025.

MACHI, DR. VINCENT S (EBASTIAN), b. Ridgefield Park, N.J., Mar. 2, 28; m. 48; c. 2. MARKETING. B.S. Columbia, 53, A.M. 54, Ph.D. (exp. psychol), 56. Asst. psychol, Columbia, 53-55, lectr, sch. gen. studies, 54-57; proj. dir. mkt. res, Alfred Politz Res, Inc, 55-58; res. acct. superv. mkt. planning & res, Lennen & Newell, Inc, 58-59; v. pres, J.M. Mathes, Inc, 59-62; exec. V. pres. mkt. consult, James Daisey Assocs, 62-63; V. PRES. WINE & SPIRITS DIV, CAN. DRY CORP, New York, 63- U.S.A. 46-48, 50-51. Psychol. Asn; Mkt. Asn. Learning theory; experimental design; marketing and commercial communication problems. Publ: Co-auth, Analysis of interperson correlations among thirty psychotics, J. Abnorm. & Soc. Psychol. Address: 475 Tulane Court, Paramus, N.J. 07652.

MACHLUP, PROF. FRITZ, b. Wiener Neustadt, Austria, Dec. 15, 02; nat; m. 25; c. 2. ECONOMICS. Pol.Sc.D. Vienna, 23; LL.D. Lawrence Col, 56; Dr.Sc.Pol.h.c. Kiel, 65; LL.D. Lehigh, 67; D.H.L. Case Western Reserve, 67. Vis. lectr, Harvard, 34-35; prof. econ, Buffalo, 35-47; Hutzler prof. polit. econ, Hopkins, 47-60; WALKER PROF. ECON. & INT. FINANCE, PRINCETON, 60- Rockefeller fel, 33-35; vis. prof, Cornell, 37-38; lectr, Harvard, 38-39; American Univ, 43-46. Chief div. res. & statist, Off. Alien Property Custodian, 43-46. Consult, U.S. Treas. Dept, 65- Fel. AAAS; Econ. Asn. (ed, 38-41, acting managing ed, 44-45; v. pres, 56, pres, 66); Economet. Soc; Asn. Univ. Profs. (1st v. pres, 60-62, pres, 62-64); Am. Acad. Arts & Sci; Philos. Soc; Nat. Acad. Ed. Economic theory; international trade; industrial organization. Publ: The economics of sellers' competition; Johns Hopkins, 52; The production and distribution of knowledge in the United States, Princeton, 62; International payments, debts and gold. Scribner, 64. Address: International Finance Section, Princeton University. P.O. Box 644, Princeton, N.J. 08540.

McHOLD, TED E (RVDN), b. El Paso, Tex, July 1, 13; m. 36; c. 3. ECONOMICS, STATISTICS. A.B. West. Mich. Col, 34; M.A. Michigan, 38. Statistician, off. adminstr, Fed. Works Agency, 42; economist & statistician, statist. div, War Prod. Bd, 42-45; chief spec. studies, econ. div, Fed. Commun. Cmn, 45-50; chief electronics unit, Chief Naval Ops, 50-51; dir. prods. anal. div, Nat. Prod. Authority, 51-53; CHIEF STATIST. TECH, BR, STATIST. DIV, INTERNAL REVENUE SERV, 53- Chief electronics unit, Chief

- Naval Opers, 50-51. Econ. Asn; Statist Asn; Am. Acct. Asn. Audit of income tax returns and effect on National income statistics; operating and management statistics; use of steel, copper and aluminum. Publ: Projections of tax returns to be filed; State sales tax deduction tables; reporting characteristics of taxpayers. Address: Statistics Techniques Branch, Statistics Division, PR:S:ST, Internal Revenue Service, Washington, D.C. 20226.
- MACHOTKA, PROF. OTAKAR R(ICHARD), b. Czech, Oct. 29, 99; m. 32; c. 3. SOCIOLOGY, SOCIAL PSYCHOLOGY. Dipl. Paris, 25; Ph.D. Charles Univ, Prague, 26. Head div. soc. statist, Nat. Statist. Off, Czech, 29-42; Inst. Human Work, 42-46; prof. SOCIOL, Charles Univ, Prague, 39-48; vis. prof, Syracuse, 48-49; Cornell, 49-50; acting prof, HARPUR COL, STATE UNIV. N.Y. BINGHAMTON, 50-52, PROF, 52- Co-ed, Sociology and social research, Calif, 37-52. Sociology and social problems, (Czech), 45-48; summer vis. prof, Chicago, 48. Czech. Army, 26-27. Fel. Sociol. Asn; Czech. Soc. Arts Sci. in Am. Family; social psychology and personality; unconscious factors and processes in opinion and attitude formation. Publ: The unconscious in social relations, Philos. Library, 64; co-auth. & ed, The Prague uprising, Coun. Free Czech, 65; Needy families in Prague. Address: Dept. of Sociology, Harpur College, State University of New York at Binghamton, Binghamton, N.Y. 13901.
- MACHOTKA, DR. PAVEL, b. Prague, Czech, Aug. 21, 36; U.S. citizen; m. 63; c. 1. SOCIAL PSYCHOLOGY. B.A. Chicago, 56; M.A. Harvard, 58, Ph.D. (soc. psychol), 62. Instr. soc. rels, Harvard, 62-65; ASST. PROF. CLIN. PSYCHOL, SCH. MED, COLORADO, 65-, dir. summer work study prog, 67-68. Psychol. Asn; Int. Asn. Empirical Aesthetics. Psychology of the visual arts; evaluation of crisis family treatment. Publ: Co-auth, Messages in body movements, Harvard, 68 & The treatment of families in crisis, Grune, 68; auth, Defensive style and esthetic distortion, J. Personality, 67. Address: Dept. of Psychiatry, University of Colorado Medical Center, 4200 E. Ninth Ave, Denver, Colo. 80220.
- MACHOVER, PROF. KAREN, b. Minsk, Russia, Sept. 12, 02; nat; m. 34; c. 1. CLINICAL PSYCHOLOGY. M.A. N.Y. Univ, 30; Columbia, 34. Intern, Bellevue Hosp, 28-29; clin. & res. psychologist, Girls Serv. League, New York, 29-30; SR. PSYCHOLOGIST, DEPT. PSYCHIAT, KINGS COUNTY HOSP. & STAFF PSYCHOLOGIST, BELLEVUE HOSP, 30-; CLIN. ASST. PROF. PSYCHOL, STATE UNIV. N.Y. DOWNSTATE MED. CENTER, 52- Vis. lectr, Brooklyn Col; New Sch. Soc. Res; private practice. Psychol. Asn; fel. Soc. Proj. Tech; Acad. Psychother. Adolescent girls; multiple personality; LSD drawings of schizophrenics and normals; involuntal psychosis; homosexual drawing scale in alcoholics; mental deficiency and organic maldevelopment; body image in art communication. Publ: Personality projection in the drawing of the human figure, C.C. Thomas, 49; co-auth, Personality through perception, Harper Bros, 54; Projective techniques with children, Grune, 60. Address: Kings County Hospital Medical Center, 451 Clarkson Ave, Brooklyn, N.Y. 11203.
- MACHOVER, PROF. SOLOMON, b. New York, N.Y., May 23, 06; m. 34; c. 1. PSYCHOLOGY. A.B. Union Col, 28; M.A. Columbia, 30, Ph.D.(psychol), 42. From psychologist to sr. psychologist, Bellevue Hosp, 30-40; CHIEF PSYCHOLOGIST, KINGS COUNTY HOSP, 40-; PROF. PSYCHIAT, COL. MED, STATE UNIV. N.Y. DOWNSTATE MED. CENTER, 50-, co-dir, ment. health ed. proj, 57-60. From lectr. to vis. prof, div. grad. studies, Brooklyn Col, 45-52; adj. prof, Long Island, 60-61. Private practice, 50- Consult, alcohol clin. State Univ, N.Y., 54- Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. AAAS; fel. Psychol. Asn. Psychotherapy; psychopathology; alcoholism. Publ: Co-auth, The workshop in self-understanding: group techniques in self-confrontation, C.C. Thomas, 66; Study of the effectiveness of drug therapy in Parkinsonism, Psychosom. Med; Clinical and objective studies of personality variables in alcoholism, Quart. J. Studies Alcoholism. Address: 200 Fenimore St, Brooklyn, N.Y. 11205.
- McHUGH, DR. ANN F(RANCES), b. New York, N.Y., June 3, 28. PSYCHOLOGY. Scholar. & B.A. St. John's (N.Y.), 50; M.A. Fordham, 52, Ph.D.(psychol), 57. Asst. psychol, Fordham, 50-52; clin. intern, St. Charles Child Guid. Clin, N.Y., 52; psychologist, Merrick Pub. Schs, 52-54; Harrison Pub. Schs, 54-56; Long Beach City Schs, 56-63; SUPVRY. PSYCHOLOGIST, ST. VINCENT'S HOSP, NEW YORK, 63- Clin. psychologist, Cath. Charities, 53-57, supvr. psychologist, 58-; clin. psychologist, Cath. Child Care Soc, 53-58; St. Anthony's Guid. Clin, 57-64; prof. lectr, sch. ed, St. John's (N.Y.), 58-59; lectr, Queens Col.(N.Y.), 63-66. Psychol. Asn; Ed. Res. Asn. Measurement of intelligence; projective techniques for personality assessment; child development; psychotherapy. Publ: HTP proportion and perspective in Negro, Puerto Rican, and White children, 63, Sexual identification, size, and associations in children's figure drawings, 63 & Age associations in children's figure drawings, 64, J. Clin. Psychol. Address: 3223 80th St, Jackson Heights, N.Y. 11370.
- McHUGH, DR. GELOLO, b. Union, S.C., June 19, 07; m. 33; c. 2. PSYCHOLOGY. A.B. Presbyterian Col, 29; A.M. Columbia, 34, Ph.D.(psychol), 42. Asst. biol. & psychol. found. of ed, teachers col, Columbia, 27-29, instr. PSYCHOL, Barnard Col, 39-46; from asst. prof. to ASSOC. PROF, DUKE, 46- Pres, Family Life Pubs. Child psychology; mental testing; family life education. Address: Dept. of Psychology, Duke University, P.O. Box 6725, Durham, N.C. 27708.
- McHUGH, PROF. RICHARD B, Biostatist, See 11th ed, Phys. & Biol. Vols.
- McHUGH, THOMAS F(RANCIS), Econ, see 10th ed, Soc. & Behav. Vols.
- McILWRAITH, PROF. T(HOMAS) F(ORSYTH), Ethnol, Archaeol, see 10th ed, Soc. & Behav. Vols, deceased 64.
- MACINKO, DR. GEORGE, b. Nesquehoring, Pa, Jan. 19, 31; m. 54; c. 2. GEOGRAPHY, NATURAL RESOURCES. B.A. Idaho, 53; Woodrow Wilson fel, Michigan, 53-54, M.A. 57, Ph.D.(geog), 61. Instr. geol. & geog, Idaho, 58-61; asst. prof. GEOG, Delaware, 61-65, ASSOC. PROF, 65-67; CENT. WASH. STATE COL, 67- Nat. Sci. Found. Sci. Faculty fel, sch. natural resources, Michigan, 65-66. U.S.A.F. 54-56, 1st Lt. Asn. Am. Geog; Am. Geog. Soc. Conservation; philosophical bases for planning land use; population-resource relationships. Publ: The Columbia basin project: expectations, realizations and implications, Geog. Rev, 4/63; Saturation: a problem evaded in planning land use, Science, 7/65; Conservation trends and the future American environment, Biologist, 1/68. Address: Dept. of Geography, Central Washington State College, Ellensburg, Wash. 98926.
- McINNIS, PROF. EDGAR, b. Charlottetown, P.E.I., July 26, 99. INTERNATIONAL RELATIONS. B.A. Toronto, 23; B.A. Oxford, 26, M.A., 30; LL.D. Dartmouth, 57. Asst. prof, Oberlin, 26-28; from lectr. to prof. hist, Toronto, 28-52; pres, Can. Inst. Int. Affairs, 52-61; PROF. HIST, YORK (ONT), 61-, dean grad. studies, 63-65. Vis. prof, Bowdoin Col, 41-42. Gov. General's award, 42 & 44; Tyrrell hist. medal, 66. Modern history. Publ: The war; Canada, a political and social history; Atlantic triangle and the cold war. Address: 83 Elm Ave, Toronto, Ont, Can.
- McINTIRE, DR. ROGER WARREN, b. Auburn, N.Y., Sept. 20, 35; m. 57; c. 3. PSYCHOLOGY. B.A. Northwestern, 58; M.A. La. State, 60, fel. 61, Ph.D. (psychol), 62. ASST. PROF. PSYCHOL, MARYLAND, 62-, PRIN. INVESTR. CANINE BEHAV, 64- Psychol. Asn; Psychonomic Soc. Animal learning; animal behavior; central nervous system functions; behavior problems. Address: Dept. of Psychology, University of Maryland, College Park, Md. 20740.
- McINTIRE, PROF. WILLIAM G(RANT), b. Price, Utah, June 28, 15; m. 48; c. 2. GEOGRAPHY. B.S. Brigham Young, 50; Ph.D. La. State, 54. Asst. GEOG. LA. STATE, 51-54, from instr. to assoc. prof, 53-64, PROF, 64-, DIR. COASTAL STUDIES INST, 66- U.S.A. 41-46, Maj. Asn. Am. Geog; Antiq. Soc. Coastal geomorphology and deltaic formation. Address: Coastal Studies Institute, Louisiana State University, Baton Rouge, La. 70803.
- McINTOSH, DR. CHARLES BARRON, b. Edgemont, S.Dak, Sept. 5, 16; div; c. 4. GEOGRAPHY. A.B. Huron Col, 38; B.Sc. Nebraska, 39, M.A., 51, Ph.D., 55. Lectr. GEOG, Univ. Canterbury, 53; instr, Texas, 55-56; ASSOC. PROF, Eastern Illinois, 56-58; NEBRASKA, 58- U.S.N.R., 42-45, 50-51. Asn. Am. Geog; Am. Geog. Soc. Climatology; geography of soils; educational geography. Address: Dept. of Geography, University of Nebraska, Lincoln, Nebr. 68508.
- McINTOSH, DR. ESTHER ROLLINS, b. Washington, D.C. Mar. 24, 26; m. 57. CLINICAL PSYCHOLOGY. B.S. Howard, 47; M.S. Illinois, 49; Whitney fel, Pittsburgh, 52-53, West Psychiat. Inst. fel, 54-55, Ph.D., 55. Intern, Elgin State Hosp, Ill, 49; staff psychologist, Kankakee State Hosp, 49-52; instr, Howard, 56; CLIN. PSYCHOLOGIST, reception center, Phila. Gen. Hosp, 56-57; VET. ADMIN. MENT. HYG. CLIN, 57- Psychol. Asn. Personality theory; psychodiagnostics and psychotherapy; learning theory. Address: 1323 Betsy Ross Place, Philadelphia, Pa. 19122.
- McINTOSH, PROF. J(OHN) R(ANTON), b. Morden, Man, May 9, 10; m. 36. EDUCATIONAL PSYCHOLOGY. B.A. Saskatchewan, 31, B.Ed., 32, M.Ed. 39; Ph.D. Columbia, 41. Mem. faculty, Teachers Col, Columbia, 41-42; asst. prof. ed, Saskatchewan, 42-43, prof, 46-48; asst. prof, Toronto, 45-46; PROF. ED. & DIR. SEC. ED, BRITISH COLUMBIA, 48- Asst. supt. ed. training, Ottawa Dept. Vet. Affairs, 45. R.C.A.F. 43-45. Am. Psychol. Asn; Can. Psychol. Asn; Can. Ment. Health Asn. Learning; psychology of reading; tests and measurements. Publ: Co-auth, Vocational interest profile; Diagnostic test of word-analysis skills; Canadian reading development series. Address: 4807 Paton St, Vancouver 8, B.C., Can.
- McINTOSH, DR. KENNETH D, b. Spindale, N.C., Sept. 29, 30; m. 52; c. 2. ECONOMICS, AGRICULTURAL ECONOMICS. B.S. Tennessee, 56; M.S. Wisconsin, 57, Ph.D.(agr. econ), 66. ASSOC. PROF. AGR. ECON. & CHMN. DEPT, WEST VIRGINIA, 57- U.S.A.F. 47-53. Agr. Econ. Asn. Land and water economics; outdoor recreation; agricultural policy and marketing. Address: Dept. of Agricultural Economics, West Virginia University, Morgantown, W.Va. 26506.
- McINTOSH, WILLIAM J, S.J., b. San Francisco, Calif, Aug. 24, 12. INDUSTRIAL RELATIONS. A.B. Gonzaga, 36, M.A., 37; M.A. St. Louis, 46. Teacher Latin & econ, St. Ignatius High Sch, 37-40; PROF. ECON. & INDUST. RES. & DIR. INDUST. RELS. CENTER, LOYOLA (CALIF), 46-, DIR. SUMMER SESSION, 47- Personnel & Indust. Rels. Asn. Economics; sociology. Address: Industrial Relations Center, Loyola University, 7101 W. 80th St, Los Angeles, Calif. 90045.
- McINTYRE, PROF. CHARLES J(OHN), b. Camden, N.J., Mar. 15, 21; m. 50; c. 2. PSYCHOLOGY. B.S. Lafayette Col, 49; M.S. Pa. State, 50, Ph.D. (psychol), 53. Asst. instr. film res. prog, Pa. State, 51-52, res. assoc, 52-53, coordinator res, 53-55; chief ed. TV br, off. armed forces info. & ed, U.S. Dept. Defense, 55-59; assoc. prof. ed. & coordinator instructional TV, ILLINOIS, URBANA, 59-63, PROF. ED. PSYCHOL. & DIR. OFF. INSTRUCTIONAL RESOURCES, 63- U.S.A. 43-46. AAAS; Psychol. Asn; Research Soc. Educational research, especially application of instructional technology to higher education. Publ: Applying learning theory to televised instruction, Nat. Asn. Ed. Broadcasters, 65; co-auth, An application of the principles of programed instruction to a televised course in college economics, 66 & Planning for instructional resources at a rapidly growing urban university, 67, Univ. Illinois. Address: 2016 Zuppke Dr, Urbana, Ill. 61801.
- MacINTYRE, PROF. DUNCAN M, b. Hamilton, N.Y., June 2, 15. POLITICAL SCIENCE. A.B. Colgate, 35; Berlin, 35-36; A.M. Chicago, 46; Ph.D. Cornell, 50. Asst. prof. col. agr, CORNELL, 47-48, INDUST. & LABOR RELS, 50-52, assoc. prof, 52-58, PROF, 58- Lectr, Colgate, 47; mem. staff sub-cmt. welfare & pension funds, U.S. Senate, 54-56, asst. counsel, select cmt. improper practices in labor & mgt, 57-58. Indust. Rels. Res. Asn. Social insurance; private benefit plans. Publ: Voluntary health insurance and rate making, Cornell, 63. Address: School of Industrial & Labor Relations, Cornell University, Ithaca, N.Y. 14850.
- McINTYRE, DR. FRANCIS, Econ, see 10th ed, Soc. & Behav. Vols.

McINTYRE, PROF. MICHAEL P(ERRY), b. Seattle, Wash, May 16, 21; m. 45; c. 3. GEOGRAPHY. B.A. Washington (Seattle), 43, M.A., 47; Ph.D.(geog.), Ohio State, 51. Asst. prof. GEOG, Kent State, 49-52; Wayne State, 52-56; PROF. & CHMN. DEPT. SAN JOSE STATE COL, 56- U.S.M.C., 43-46, Lt. Asn. Am. Geog. Pacific area, especially Philippines, New Hebrides, Australia and New Zealand; economic geography; physical geography. Publ: Physical geography, Ronald, 66. Address: 340 S. 15th St, San Jose, Calif. 95112.

McINTYRE, PROF. SHERWOOD C, b. St. Thomas, Ont, Oct. 17, 11; U.S. citizen; m. 41; c. 3. INDUSTRIAL PSYCHOLOGY. B.S.(math, sci) & B.A.(psychol), Ohio State, 38, M.A., 39, Ph.D.(psychol), 46. Res. asst. psychol, Ohio State, 40-41, sr. counsr. occup. opportunity serv, 45-46; asst. prof. psychol, Mich. State, 46-48; PROF. INDUST. PSYCHOL, AUBURN, 46- Consult, Rehab. Serv, 48-; Vet. Admin, Tuskegee, 65-66. U.S.N., 42-45. Psychol. Asn. Experimental sensory-perception functions; human factors and systems. Address: Dept. of Psychology, Auburn University, Auburn, Ala. 36830.

McINTYRE, DR. STUART H(ULL), b. Los Angeles, Calif, Oct. 25, 25; m. 50; c. 3. POLITICAL SCIENCE. B.A. Willamette, 49; M.A. Columbia, 50, Ph.D. (int. law & rels), 56. Instr. polit. sci. & hist, Moravian Col, 52-53; govt, Oklahoma, 53-56; Am. consul to Germany, for. serv, U.S. Dept. State, 56-61; POLIT. OFFICER, Arms Control & Disarmament Agency, 61-63; U.S. Dept. State, 63-65; U.S. MISSION TO EUROPEAN COMMUNITIES, BRUSSELS, BELGIUM, 65- Lectr, Latin Am. Inst, 54; South. Fel. Fund faculty fel, Columbia, 55-56; summer, asst. prof, Col. William & Mary, 52. U.S.A., 44-46; Bronze Star Medal, 45. Polit. Sci. Asn; Soc. Int. Law; Acad. Polit. Sci. International law, organization and relations. Publ: Legal effect of World War II on treaties of the United States. Address: Box 322 North Bend, Wash. 98045.

McINTYRE, DR. WALLACE E(DWARD), b. Streator, Ill, Nov. 18, 18; m. 43; c. 1. GEOGRAPHY. B.Ed. Ill. State Norm. Univ, 40; Northwestern, 41; A.M. Clark, 47; fel, 49-50, Ph.D., 51; Harvard, 65-66. Prof. geog. & head dept, W. Tex. State Col, 50-51; assoc. prof. Ill. State Norm. Univ, 51-57; ADMINSTR. EXEC. BR. U.S. GOVT, 58- Fulbright lectr, Philippines, 52-53; prof, Univ. Maryland overseas prog, Europe, 54-55. U.S.A., 41-46, Maj. Asn. Am. Geog; Geog. Soc. Land utilization. Publ: Retail pattern of Manila; Philippine fish culture; Philippine hydroelectric development. Address: 1618 Craig Lane, McLean, Va. 22101.

McINTYRE, PROF. WILLIAM R(USSELL), Sociol, see 10th ed, Soc. & Behav. Vols.

MACISCO, DR. JOHN J, JR, b. New York, N.Y, May 23, 36; m. 64; c. 2. SOCIOLOGY. B.S. Fordham, 58, M.A., 59; Ph.D.(sociol), Brown, 66. Teaching asst. SOCIOLOGY, Fordham, 58-59, instr, 59-60; res. assoc, George Washington, 61; res. asst, Brown, 62, from instr. to ASST. PROF. GEORGETOWN, 64- Human Ecol. Fund res. grant, 64-66; Ford Found. res. grant, 65-70; U.S. Pub. Health Serv. res. grant. U.S.A., 60, 1st Lt. Sociol. Asn; Statist. Asn; Pop. Asn. Am.; Latin Am. Studies Asn; Soc. Sci. Study Relig. Internal migration, especially rural-urban migration; fertility experience of rural-urban migrants. Publ: Fertility in Puerto Rico: an ecological study, Sociol. Anal, fall 65; co-auth, The length and variability of the human menstrual cycle, Int. J. Fertility, 2/68 & Education of husband and wife and fertility in Puerto Rico: 1960, Soc. & Econ. Studies, 3/68. Address: Center for Population Research, Georgetown University, Washington, D.C. 20007.

MACIUKA, DR. BENEDICT V(YTENIS), Mod. European & Soviet Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MacIVER, PROF. R(OBERT) M(ORRISON), b. Stornoway, Scotland, Apr. 17, 82. SOCIOLOGY. M.A. Edinburgh, 03, Ph.D., 15, LL.D., 53; B.A. Oxford, 07; D.Litt, Columbia, 29, Harvard, 36, Princeton, 47; L.H.D. Yale, 51. Prof. polit. sci, Toronto, 15-22, head dept, 22-27; prof. soc. sci, BARNARD COL, COLUMBIA, 27-29, Lieber prof. polit. philos. & social, 29-50; spec. lectr. pub. law & govt, 50-54, LIEBER EMER. PROF. POLIT. PHILOS. & SOCIOLOGY, 50- Pres. New Sch. Soc. Res, 63-64, chancellor, 65-66, founders medal, 66. V.chmn, War Labor Bd, Can, 17-18; dir, City New York Juvenile Delinquency Proj, 56-61. Woodrow Wilson Mem. award, 48; Kurt Lewin award, Soc. Psychol. Study Social Issues, 61; Comdr, Royal Order Phoenix, Greece. Sociol. Asn; Am. Geog. Soc; Am. Acad. Arts & Sci; Philos. Soc; fel. Royal Soc. Can; cor. fel, Brit. Acad; Int. Inst. Sociol; World Acad. Arts & Sci. Political theory; economic reconstruction. Publ: Power transformed, 64; The prevention and control of delinquency, 66; As a tale that is told, Univ. Chicago, 68. Address: Palisades, N.Y. 10964.

McIVOR, PROF. R(USSEL) CRAIG, b. Chatham, Ont, Oct. 4, 15; m. 43; c. 4. ECONOMICS. B.A. Western Ontario, 37; A.M. Chicago, 39, Ph.D.(econ), 47. Asst. prof. ECON, Waterloo Col, 40-45; McMASTER, 45-47, assoc. prof, 47-50, PROF, 50-, CHMN. DEPT, 62- Res. assoc. Can. Econ. Res. Inst, 56-57. Econ. consult, Dept. North. Affairs & Dept. Finance, Govt. Can. Mem. Can. Tax Found; res. staff, Royal Cmn. Banking & Finance, 63-64; Ont. Pub. Cmt, 63-67; Ont. Adv. Cmt, 65- Am. Econ. Asn; Can. Econ. Asn; Inst. Tax Admin, Can; fel. Royal Soc. Can; Royal Econ. Soc. Monetary economics; banking and fiscal policy. Publ: Canadian monetary, banking and fiscal development; co-auth, Commonwealth banking systems, Oxford Univ, 65; The postwar taxation of Canadian cooperatives, Can. Tax Found. Address: Dept. of Economics, McMaster University, Hamilton, Ont, Can.

MACK, LOUISE J(EANETTE), b. Ancon, C.Z, July 1, 12. ECONOMICS. B.A. Vassar Col, 33; George Washington. Price economist, bur. labor statist, U.S. Dept. Labor, 38-65. Notable career serv. citation, Secy. Labor, 66. Prices of new and used automobiles and related services; performance standards for consumers' textile goods. Publ: Transportation in the bureau of labor statistics consumer price index, 1935-55, Automobile prices in the consumer price index & Postwar changes in the quality of apparel, Monthly Labor Rev. Address: 1556 Great Falls St, McLean, Va. 22101.

MACK, PROF. RAYMOND W(RIGHT), b. Ashtabula, Ohio, July 15, 27; m. 53; c. 3. SOCIOLOGY. A.B. Baldwin-Wallace Col, 49; M.A. North Carolina, 51, fel, 51-53, Ph.D., 53. Asst. prof. sociol. & anthrop, Mississippi, 53;

SOCIOLOGY, NORTHWESTERN, 53-57, assoc. prof, 57-62, PROF, 62-, chmn. dept, 59-67. Soc. Sci. Res. Coun. faculty res. fel, 62-63; vis. scholar, Russell Sage Found, 67-68; ed, Am. Sociologist, 68- Consult, Air Force Res. & Develop. Command, 55- U.S.N., 45-46. AAAS; Sociol. Asn; Soc. Study Social Probs. Social stratification; industrial sociology and occupations; racial and ethnic relations. Publ: Transforming America, 67 & Our children's burden, 68, Random; Race, class, and power, Am. Book Co, 68. Address: Dept. of Sociology, Northwestern University, Evanston, Ill. 60201.

MACK, DR. ROBERT T(ANDLER), JR, b. Chicago, Ill, Apr. 27, 21; div; c. 1. BUSINESS ECONOMICS, INTERNATIONAL RELATIONS. A.B. Harvard, 42, I.A., 43, M.B.A., 47; Ph.D.(int. rels), Chicago, 52. Cent. comptroller's staff asst, Chrysler Corp, 53-54; asst. prof. bus, San Francisco State Col, 54-56; San Francisco, 56-60; head engr, planning & eval, missile & space div. LOCKHEED AIRCRAFT CORP, 60-62, mgt. selection rep, missile systs. div, 62-63, MGT. SYSTS. SPECIALIST, FINANCIAL SYSTS. & PROCEDURES, 63- Prfnl. lectr, Ill, 47-52; Mich, 53-54; Calif, 54-; Found. Econ. Ed. fel, 58; lectr, Univs. California, 60-61, Santa Clara, 61-64 & Foothill Col, 64- Consult, citizen's cmt. peace ed, Mich, 53-54; long range planning serv, Stanford Res. Inst, 61-62. U.S.A., 42-45, Maj. AAAS; Polit. Sci. Asn; Soc. Int. Law; Soc. Pub. Admin; Acad. Polit. & Soc. Sci; Inst. Mgt; Int. Polit. Sci. Asn. Socio-economic development of underdeveloped areas; international law, organization and government; business administration and management systems; public service and political action. Publ: Raising the world's standard of living, Citadel, 53; co-auth, Public finance, Pitman, 59; auth, Value engineering, San Jose Newsletter, Nat. Asn. Acct, 65. Address: P.O. Box 814, Palo Alto, Calif. 94302.

MACK, PROF. RUSSELL H(ERBERT), b. Fulton, Kans, Sept. 21, 97; m. 25; c. 1. ECONOMICS. A.B. Baker, 20; A.M. Columbia, 24; Ph.D. Pennsylvania, 33. Instr. ECON, TEMPLE, 25-41, prof. & chmn. dept, 41-65, EMER. PROF, 65- Tax consult, Phila. Chamber of Commerce, 45- Econ. Asn; Acad. Polit. & Soc. Sci. Economic theory; public finance. Publ: Collab. Business fluctuations in practice; Cigar manufacturing industry. Address: 31 White-marsh Rd, Ardmore, Pa. 19003.

MACK, DR. RUTH P(RINCE), b. New York, N.Y, Nov. 6, 04; m. 23; c. 2. ECONOMICS. A.B. Columbia, 23, Ph.D., 37. Vis. prof, City Univ. N.Y, Yale & New Sch. Soc. Res, 37-41; mem. res. staff, Nat. Bur. Econ. Res, 41-62; SUPVR. ECON. STUDIES, INST. PUB. ADMIN, 62- Consult, bd. gov. Fed. Reserve Syst, 54. Econ. Asn; Statist. Asn; Economet. Soc. Business fluctuations; economics of consumption; economics of administration. Publ: Information, expectations and inventory fluctuation, a study of materials stocks on hand and on order, Nat. Bur. Econ. Res, 67; Flow of business funds and consumer purchasing power; co-auth, Outdoor recreation, In: Measuring benefits of government investment, Brookings, 66. Address: Institute of Public Administration, 55 W. 44th St, New York, N.Y. 10038.

MACK, DR. V(OYCE) J(ORDON), b. Ocala, Fla, Aug. 10, 21; m. 48; c. 1. AGRICULTURAL ECONOMICS. B.S. Hampton Inst, 48; M.S. Cornell, 51, DeWitt fel, 52, Ph.D., 53. Assoc. prof. agr. econ, Va. State Col, 53-58; asst. prof. officer, Int. Coop. Admin, 58-61, AGENCY INT. DEVELOP, U.S. DEPT. STATE, Cairo, Egypt, 61-63, int. rels. officer, Wash, D.C., 63-65, AFFAIRS OFFICER & ATTACHE, COLOMBO, CEYLON, 65- U.S.A., 42-46. Agr. Econ. Asn. Farm management; marketing; rural sociology. Publ: Economic study of Negro owner-operated farms in Jefferson Davis County, Miss. Exp. Sta. Bull. Address: U.S. Agency for International Development, U.S. Embassy, Colombo, Ceylon.

McKAIN, PROF. WALTER C(ECIL), JR, b. Columbiana, Ohio, Oct. 12, 12; m. 39; c. 5. RURAL SOCIOLOGY. A.B. Harvard, 34, A.M. 38, Ph.D. 47. Sr. soc. sci. analyst, 38-47; from assoc. prof. to PROF. RURAL SOCIOLOGY, CONNECTICUT, 47- Mem. Cultural Exchange Prog, U.S.A.-U.S.S.R., 65-68. Sociol. Asn; Rural Sociol. Soc; Geront. Soc. Rural community research; old age and retirement; levels of living. Address: Dept. of Rural Sociology, University of Connecticut, Storrs, Conn. 06268.

MACKALL, PROF. EMILY PARKER, b. New Castle, Pa, June 12, 19; m. 40. ECONOMICS. B.A. Westminster Col.(Pa), 39; fel. & M.A., Northwestern, 40; Pittsburgh, 60-63. Auditor, Post Engr, Alaskan Defense Area, Can, 42-46; asst. prof. econ. & bus. admin, Geneva Col, 46-56; ASSOC. PROF. ECON. YOUNGSTOWN STATE, 56-. CHMN. DEPT, 65- Econ-in-Action fel, Case, 60; Ford Found. faculty res. fel, Cornell, 64. Mem. Gen. Elec. Seminar, Univ. Chicago, 67. Secy. & treas, Mackall Motors, Inc, Ohio, 56- Econ. Asn. Location of industry; federal government taxation; public finance. Address: R.D. 1, Rogers, Ohio 44455.

MACKAY, C(LARENCE) W(ALLACE), Indust. Admin, see 10th ed, Soc. & Behav. Vols.

MacKAY, PROF. DONALD C(OPELAND) G(IBSON), b. Barrie, Ont, Dec. 5, 05; m. 39; c. 2. PSYCHOLOGY. B.A. Queen's (Ont), 29, M.A., 30; scholar, Stanford, 31-32, 33-34, Ph.D., 34. Sci. asst, Biol. Bd, Can, Pac. Biol. Sta, B.C. Can, 30-31; asst. zool, Chicago, 32-33; biol, Stanford, 34; Royal Soc. Can. fel. zool, London, 34-35; instr, Conn. State Col, 35-38; asst. prof, Connecticut, 38-43, assoc. prof, 43; asst. dir, Int. Pac. Salmon Fisheries Cmn, Can, 43-46; spec. lectr. zool, BRITISH COLUMBIA, 46-47, asst. prof. PSYCHOL. & PHILOS, 47-49, ASSOC. PROF, 49- Vis. asst. prof, Hawaii, 41-42. AAAS. Comparative animal behavior; relative growth problems in arthropods; growth and behavior of fish. Address: Dept. of Psychology, University of British Columbia, Vancouver, B.C., Can.

MACKAY, DR. D(UGLAS) BARRY, b. St. John, N.B, Feb. 6, 40; m. 60; c. 2. PSYCHOLOGY. B.A. New Brunswick, 62; M.Sc. Alberta, 63, Ph.D.(psychol), 65. ASST. PROF. PSYCHOL, MEMORIAL UNIV, 65- Can. Army Militia, 61, Capt. AAAS; Can. Psychol. Asn. Physiological basis of motivation and learning; measurement of emotion; comparative and physiological psychology; stress and arousal. Publ: Effects of prolonged shock on habituation of exploratory activity, 65 & Effects of stress on activity and autonomic lability, 66, Bull. Maritime Psychol. Asn. Address: Dept. of Psychology, Memorial University, St. John's, Newf., Can.

MacKAY, DR. JAMES L(ESTER), b. St. Louis, Mo, Sept. 23, 91; m. 20; c. 2. PSYCHOLOGY. B.S. Missouri, 20, M.A. 24; Ph.D.(guid. counseling), N.Y. Univ. 44. Teacher & prin. pub. schs. Mo, 22-46, chmn. exp. ed. high sch. 40-44; chief guid. center, Vet. Admin. Ariz., 46-48; dir. guid. center, Trinity (Tex), 48-49; guid. pub. schs. San Antonio, 49-59; PRACTICING PSYCHOLOGIST, 49- Consult. cmn. parent ed. World Fedn. Ment. Health, 59-60. U.S.A. 18. Psychol. Asn; Personnel & Guid. Asn. Mental health; psychometrics; counseling. Address: 3737 Fredericksburg Rd, Apt. 215 A, San Antonio, Tex. 78201.

MACKAY, PROF. J(OHN) ROSS, Geomorphol, Cartog, see 11th ed, Phys. & Biol. Vols.

McKAY, PROF. QUINN GUNN, b. Ogden, Utah, Oct. 30, 26; m. 54; c. 5. BUSINESS ADMINISTRATION. B.S. Brigham Young, 54; M.B.A. Harvard, 56, D.B.A. 60. Acct. Utah State Rd. Cmn. 51-54; lectr. & res. adv. bus. admin. Ford Found. Prof. Univ. Utah-Univ. Rangoon, 56-58; assoc. prof. orgn. behav. & assoc. dir. M.B.A. prog, Brigham Young, 60-63; assoc. prof. mgt. sci. & econ. for Univ. Pittsburgh, Ahmadu Bello Univ. Nigeria, 63-65; PROF. BUS. ADMIN. & DEAN SCH. BUS. & ECON. WEBER STATE COL. 65- Staff assoc. Govt. Affairs Inst. Wash. D.C. 66- Consult. Weber County Sch. Dist. 66-67. Mem. Steering Cmt. Master Planning, Higher Ed. in Utah, 65- U.S.M.C. 44-47. Acad. Mgt; Soc. Int. Develop; Soc. Appl. Anthropol. Evaluation of impact of executive development programs management of private corporations in developing countries; problems of business ethics; organizational behavior. Publ: More mileage from foreign aid, Adv. Mgt-Off. Exec. 66; Red flags missed—wrong man hired, In: Readings in personnel management, South-Western Pub., 63 & Bus. Horizons, 63; contrib. The effectiveness of university management development programs, Harvard, 66. Address: School of Business & Economics, Weber State College, Ogden, Utah 84403.

MacKAY, PROF. R(OBERT) A(LEXANDER), b. Victoria Co, Ont, Jan. 2, 94; m. 24; c. 4. POLITICAL SCIENCE. B.A. Toronto, 20; Ph.D. Princeton, 24; LL.D. Dalhousie, 53. Instr. polit. Princeton, 24-25; asst. prof. govt. Cornell, 25-27; prof. govt. & polit. sci. Dalhousie, 27-47; mem. staff, Dept. External Affairs, Can., 47-52, asst. undersecy, 52-54, assoc. undersecy, 54-55, permanent Can. rep. UN, 55-58, Can. ambassador to Norway & Iceland, 58-61; from vis. prof. to PROF. POLIT. SCI. CARLETON (CAN), 61- Mem. Soc. Sci. Res. Coun. Can., 42-44, 54-56; Can. Inst. Int. Affairs. Fel. Royal Soc. Can; Can. Polit. Sci. Asn.(pres, 43); Can. Hist. Asn. Canadian government and foreign policy. Publ: Unreformed senate of Canada; Canada looks abroad; Newfoundland. Address: Dept. of Political Science, Carleton University, Ottawa, Ont. Can.

McKAY, DR. RUTH BLUMENFELD, b. Brooklyn, N.Y., Oct. 19, 32; m. 65; c. 1. ANTHROPOLOGY, PSYCHIATRY. A.B. Brooklyn Col., 54; Arizona, summer, 56; M.A. Pennsylvania, 61, Ph.D.(anthrop), 65. Res. asst. psychol. Pennsylvania, 58-59; intern anthrop. Vet. Admin. Hosp. Perry Point, Md., 59-60; res. instr. Maryland, 60-62; instr. sociol. & anthrop. Howard, 62-63; TEACHING ASSOC. PSYCHIAT. CHILDREN'S HOSP. WASHINGTON, D.C. 63-; ASST. PROF. PEDIAT. PSYCHIAT. & ANTHROP. GEORGE WASHINGTON, 65- Consult. anthrop. med. center, Georgetown, 63-64. Publ: Community influences on children, Childhood Ed., 38: 409-411; The role of the reservation in the life of an urban American Indian community, Transaction, 11/65; Children of integration: a study of social structure and child rearing patterns of Negro Baltimoreans from 1890 to 1962, (in prep). Address: Dept. of Pediatric Psychiatry & Anthropology, George Washington University, Washington, D.C. 20006.

McKAY, PROF. VERNON, b. Independence, Kans., Oct. 8, 12; m. 35; c. 2. INTERNATIONAL RELATIONS. A.B. Baker, 33, LL.D., 61; M.A. Syracuse, 34; Ph.D. Cornell, 39. Instr. hist. Syracuse, 36-40, asst. prof. 40-45; res. assoc. For. Policy Asn, 45-48; for. affairs officer, U.S. Dept. State, 48-55, dep. dir. dependent area affairs, 55-56; PROF. AFRICAN STUDIES & DIR. PROG. AFRICAN STUDIES, SCH. ADV. INT. STUDIES, HOPKINS, 56- Lectr. Univ. Stellenbosch, 59; Univ. Witwatersrand, 60; summer, Northwestern, 51. Consult. Carnegie Corp. & Int. Coop. Admin, 58; Ford Found, 59-60; Grolier Soc, 60-61. Mem. U.S. nat. cmn. UNESCO, 60-66. Polit. Sci. Asn; Hist. Asn; African Studies Asn.(pres, 61-62); Int. African Inst; S.African Inst. Race Rels. French and British colonial policy; African issues in the United Nations; American policy towards Africa; soviet policy in Africa. Publ: Africa in world politics, Harper, 63; ed. & co-auth. African diplomacy, Praeger, 66; ed. Africa in the United States, 67. Address: School of Advanced International Studies, Johns Hopkins University, 1740 Massachusetts Ave. N.W., Washington, D.C. 20036.

MacKAY, DR. WILLIAM R(OBERT), b. St. Louis, Mo, Jan. 8, 23; m. 45; c. 3. PSYCHOLOGY. A.B. Brown, 44; M.A. California, Berkeley, 49, Ed.D.(counseling psychol), 62. Teacher & counsr, PSYCHOL. Contra Costa Col., 50-62; asst. prof. WEST. WASH. STATE COL., 62-66, ASSOC. PROF., 66- U.S.M.C.R. 43-45, 2nd Lt. Psychol. Asn; Personnel & Guid. Asn. Non-intellective factors in academic success. Publ: Interpersonal maturity: a factor in academic success, Calif. J. Ed. Res, 9/65. Address: Dept. of Psychology, Western Washington State College, Bellingham, Wash. 98225.

McKEACHIE, PROF. WILBERT J(AMES), b. Clarkston, Mich., Aug. 24, 21; m. 42; c. 2. PSYCHOLOGY. B.A. Mich. State Norm. Col., 42; Ph.D. Michigan, 49; LL.D. Eastern Michigan, 57. Instr. PSYCHOL. MICHIGAN, 48-50, asst. prof. 50-55, assoc. prof. 55-60, PROF., 60-, CHMN. DEPT., 62- Mem. bd. dirs. Washtenaw County Community Ment. Health Center, 66-70. Mem. spec. med. adv. group. Vet. Admin; training rev. cmt. continuing ed. Nat. Inst. Ment. Health. U.S.N.R. 43-45, Lt. AAAS; Psychol. Asn. General and social psychology; college teaching; personality; interaction of social, psychological and personality factors. Publ: Teaching tips, a guide for beginning college teachers; co-auth. Psychology, Addison-Wesley, 66; auth. Motivation, teaching methods and college learning, In: 1961 Nebraska Symposium on Motivation. Address: Dept. of Psychology, University of Michigan, Ann Arbor, Mich. 48104.

McKEAN, DR. CHARLES M(ANN), b. Detroit, Mich., Jan. 4, 25; m. 54; c. 4. CHILD DEVELOPMENT. B.A. Michigan, 49; M.D. Wayne State, 53. Intern, Roosevelt Hosp. N.Y., 53-54; res. pediat. Babies Hosp. N.Y., 55-57; fel. pediat. Univ. Calif. Med. Center, San Francisco, 57, U.S. Pub. Health Serv. res. fel. fetal & neonatal physiol., 57-59, U.S. Pub. Health Serv. trainee neonatal physiol., cardiovasc. res. inst., 59-60; U.S. Pub. Health Serv. spec. res. fel. psychopharmacol., child study center & dept. pharmacol., Yale, 60-62; CHIEF RESEARCH BEHAV. DEVELOP. SONOMA STATE HOSP., ELDRIDGE, CALIF., 62-; ASST. CLIN. PROF. PEDIAT., UNIV. CALIF. MED. CENTER, SAN FRANCISCO, 62- Res. grants, State Dept. Ment. Hyg., Calif., 62-, Nat. Inst. Health, 63- Dipl. Am. Bd. Pediat. U.S.N.R. 43-46. Soc. Res. Child Develop; Soc. Psychophysiol. Res; N.Y. Acad. Sci. Developmental physiology, especially the relationship of cerebral metabolism to electrophysiological and behavioral development. Publ: Co-auth. Amino acids in the blood and cerebrospinal fluid of phenylketonurics, Proc. Soc. Exp. Biol. Med., 122: 987-991, Aminoacidemias: effects on maze performance and brain serotonin, Science, 157: 213-215 & The influence of high Phenylalanine and tyrosine concentrations on the distribution of free amino acids, J. Neurochem., 15: 235-241. Address: Sonoma State Hospital, Eldridge, Calif. 95431.

McKEAN, PROF. DAYTON D(AVID), b. Longmont, Colo., Dec. 4, 04. POLITICAL SCIENCE. A.B. Colorado, 27, A.M. 29; Ph.D. Columbia, 38; hon. A.M. Dartmouth Col., 46. Instr. pub. speaking, Colorado, 27-29; Princeton, 29-31, asst. prof. 31-37; from asst. prof. to prof., Dartmouth Col., 37-48, govt. 46-52, chmn. dept. 47-52; PROF. POLIT. SCI. COLORADO, 52-, dean grad. sch. 52-62. Vis. prof. Hopkins, 62-63. Consult. seminar res. polit. behav. Soc. Sci. Res. Coun. 51; seminar nominating process, Brookings Inst., 55; Alaska Constitutional Convention, 55. Ed. Houghton Mifflin Co. series in polit. sci. 51- Sr. res. award, Soc. Sci. Res. Coun. 60. Polit. Sci. Asn. Political parties and public opinion; pressures on the legislature of New Jersey; party and pressure politics. Publ: Integrated bar, Houghton, 63. Address: Dept. of Political Science, University of Colorado, Boulder, Colo. 80302.

McKEAN, EUGENE C, b. Traverse City, Mich., Apr. 18, 10; m. 35; c. 4. ECONOMICS. A.B. Kalamazoo Col., 38; American Univ., 38-40. Jr. agr. economist, U.S. Dept. Agr. D.C., 42; statist. analyst, Pub. Housing Admin., 43-48; ECON. PROJ. DIR. W.E. UPJOHN INST. EMPLOY. RES. KALAMAZOO, 48- Asn. Bus. Econ; Pop. Asn; Statist. Asn. Public works and construction; business statistics; unemployment insurance. Publ: Persistence of small business; Co-auth. The Michigan economy: its potentials and problems & Public works and employment from the local government point of view. Address: 4283 Wildwood, Richland, Mich. 49083.

McKEAN, DR. JOHN RICHARD, b. Centralia, Wash., Jan. 15, 39. ECONOMICS. B.A. Washington (Seattle), 60, M.A. 64, Ford Found. fel. 65, Ph.D.(econ), 67; Can. Dept. Labour study grant, 65-66; Univ. Alberta study grant, 66. Asst. econ. Washington (Seattle), 62-64; asst. prof. Alberta, 65-66; lectr. bus. admin. & econ. Washington (Seattle), 66-68; ASST. PROF. ECON. IDAHO, 68- Econ. Asn; Economet. Soc. Quantitative studies in the fields of the economics of education, macro-economics and the economics of location; theoretical work in econometric methods; theory of the firm. Publ: Co-auth. A cross-section look at employment, growth and inflation, West. Econ. J., 12/64. Address: Dept. of Economics, University of Idaho, Moscow, Idaho 83843.

McKEAN, PROF. ROLAND N(EELY), b. Mulberry Grove, Ill., Oct. 30, 17; m. 44; c. 2. ECONOMICS. A.B. Chicago, 39, Walgreen scholar, 46-47, Marshall Field fel., 47-48, A.M. & Ph.D. 48. Asst. prof. econ. Vanderbilt, 48-51; res. economist, Rand Corp., 51-64; prof. econ. California, Los Angeles, 64-67; vis. prof. econ. & ed. Harvard, 67; PROF. ECON. VIRGINIA, 68- Soc. Sci. Res. Coun. grant gov. processes, 61-62; Fulbright res. scholar, Glasgow, 62. U.S.A.A.F., 41-45. Econ. Asn. Public finance; implications of different configurations of property rights. Publ: Efficiency in government through systems analysis, Wiley, 58; co-auth. Economics of defense in the nuclear age, Harvard, 60; auth. Public spending, McGraw, 68. Address: Dept. of Economics, University of Virginia, Charlottesville, Va. 22903.

McKECHNIE, DR. GRAEME H, b. Toronto, Ont., Oct. 4, 38; m. 61; c. 2. INDUSTRIAL RELATIONS, LABOR ECONOMICS. B.Commerce, Toronto, 61; M.S. Wisconsin, 63, Ph.D.(indust. rels), 66. Proj. assoc. econ. Univ. Wisconsin, 65-67; ASST. PROF. ECON. & ADMIN. STUDIES, YORK (ONT), 67- Econ. Asn; Indust. Rels. Res. Asn. Manpower resources, especially geographic mobility and retraining; cost-benefit analysis of manpower programs. Publ: Co-auth. Vocational retraining programs for the unemployed, Indust. Rels. Res. Asn. Proc., spring 68. Address: Dept. of Economics, York University, Downsview, Ont. Can.

McKEE, DR. CLYDE DAVID, JR, b. Birmingham, Ala., Dec. 4, 29; m. 53; c. 6. POLITICAL SCIENCE. B.A. Wesleyan, 52, fel. & M.A.T. 59; Chicago, 52-53; Harvard, 60; M.A. Connecticut, 63, Nat. Defense Ed. Act fel., 63-67, Int. City Mgr. Asn. fel., 64-67, Ph.D.(polit. sci.), 67. Teacher, pub. schs. Conn., 58-61; training coordinator pub. admin. for. adminstr. training prog. inst. pub. serv. Univ. Connecticut, 64-65; ASST. PROF. GOVT. TRINITY COL. (CONN), 65- Annual lectr. develop. admin. training prog. Univ. Connecticut, 65-68. Consult. Hartford Coun. Elected Off. Capital Regional Planning Agency; honors prog. Glastonbury High Sch. Conn., 67. U.S.A.F., 53-57, 1st Lt. Polit. Sci. Asn; Soc. Pub. Admin. Relationship of council-manager governments to national political parties; public administration in developing nations; modernization of local and state political institutions. Publ: The politics of council-manager governments in Connecticut, Int. City Mgr. Asn. (in press); Connecticut's improvement associations: can their continued existence be justified?, Conn. State J., 4/68; co-auth. Chap. In: Political modernization, Prentice-Hall, 68. Address: 18 Uncas Rd, Cornfield Point, Old Saybrook, Conn. 06475.

McKEE, DR. DEAN E(LGAR), b. Jamestown, N.Dak., Nov. 11, 30; m. c. 2. AGRICULTURAL ECONOMICS. B.S. N.Dak. Agr. Col., 52; fel. Iowa State Col., 52-53, M.S. 53, Ph.D. 55. Res. assoc. Iowa State Col., 53-55; asst. prof. agr. econ. Mich. State, 55-58; sr. agr. economist, farm econ. div. U.S. Dept.

Agr. 58-61, cornbelt invests. leader, agr. adjust. br. 61-62, north. regional analyst, 62-63, chief prod. resources br, econ. res. serv, 63-66; ASST. DIR. MKT. ECON. DEERE & CO, 66- Mkt. Assn; Statist. Assn; Agr. Econ. Assn. Farm management; micro-problems and macro-problems of resource allocation in agriculture; managerial decision making. Publ: Farm size adjustments in Iowa and cost economics in crop production for farms of different size & Optimum allocation of resources between pasture improvement and other opportunities within southern Iowa farms, Iowa State Col. Res. Bull. Address: Deere & Co, John Deere Rd, Moline, Ill. 61265.

McKEE, PROF. DONALD KENNEDY, b. Lahore, India, Dec. 22, 15; U.S. citizen; m. 58; c. 5. POLITICAL SCIENCE. A.B. North Carolina, Chapel Hill, 37; Union Theol. Sem, 37-39; M.A. New Sch. Soc. Res, 39; Ph.D. (polit. sci), Columbia, 55. Mem. staff, Henry St. Settlement, New York, 38-39; nat. rep, Textile Workers Union Am, Cong. Int. Orgns, 39-42 & 46-49; lectr. POLIT. SCI, Brooklyn Col, 51-52; instr, Westminster Col. (Pa), 52-53; lectr, Hunter Col, 53-54; from instr. to PROF, UPSALA COL, 54- Columnlist, Bloomfield Independent Press, N.J., 57- C.W.S. U.S.A., 42-45, T/Sgt. Polit. Sci. Assn. European political theory. Publ: The influence of syndicalism upon Daniel de Leon, Historian, 5/58; Daniel de Leon: a reappraisal, Labor Hist, fall 60; The role of self-interest in politics, Relig. In Life, autumn 60. Address: Dept. of Political Science, Upsala College, East Orange, N.J. 07019.

McKEE, PROF. JAMES B(ENJAMIN), b. Detroit, Mich, June 8, 19; m. 42; c. 3. SOCIOLOGY. A.B. Wayne, 43, M.A. 49; Ph.D. (sociol), Wisconsin, 53. Instr. SOCIOL, Oberlin Col, 49-53, asst. prof, 53-54; Toledo, 54-57, assoc. prof, 57-59; MICH. STATE, 59-62, PROF, 62- U.S.A., 43-45. Sociol. Assn; Soc. Study Social Probs. (treas, 52-53, v-pres, 54-55). Political sociology; urban community. Publ: Status and power in the industrial community, Am. J. Sociol; Community power and strategy in race relations: some critical observations, Social Probs. Address: Dept. of Sociology & Anthropology, Michigan State University, East Lansing, Mich. 48824.

McKEE, DR. JOHN C(AROTHERS), b. San Diego, Calif, Apr. 25, 12; m. 42; c. 2. INDUSTRIAL PSYCHOLOGY. B.A. Southern California, 35, M.A. 37; Ph.D. Tulane, 47. Gen. mgr. hotel oper, Royal Hotel, Honduras, 32-33; indus. mgt. consult, 38-66; EXEC. ADV. FINANCIAL MGT, McDONNELL DOUGLAS CORP, 66- Ed. dir, Cavalier Fencing Schs. of Calif, 35-; v-pres, Santa Monica Health Spot Shoe Co, Inc, 49-; pres, Valumetrics, Inc, 64- Silver Knight award, Nat. Mgt. Assn, 61. AAAS; Statist. Assn. (pres, 55); Inst. Mgt. Sci. Administrative organization and industrial management; game theory; electronic data processing equipment; linear programming; systems analysis. Publ: Operations research, Indust. News; New management ahead & Personograph: short cut to personnel operations, Manage Mag. Address: 3624 Surfwood Rd, Malibu, Calif. 90265.

McKEE, DR. JOHN M(ILES), b. Cordele, Ga, June 26, 23; m. 45; c. 2. CLINICAL PSYCHOLOGY. A.B. Emory, 47; Ph.D. Tennessee, 53. Staff psychologist, serv. center, Tennessee, 52-53; dir. div. ment. hyg, State Dept. Health, Ala, 53-62; RES. SCIENTIST, DRAPER CORRECTIONAL CENTER, 62-; DIR, REHAB. RES. FOUND, 65- Res. lectr, Auburn, 67- Consult, adult ed. br, U.S. Off. Ed, 66-; Human Interaction Res. Inst, 67- U.S.N., 43-46. Psychol. Assn. Corrections and juvenile delinquency; programmed instruction; contingency management; operant conditioning. Publ: Sociometric approach to self-concept; Programmed instruction in vocational education, Training & Develop. J, 6/66; Programmed instruction for institutionalized offenders: contingency management and performance contracts, Psychol. Reports, 6/68. Address: 913 Hillman Ave, Montgomery, Ala. 36109.

McKEE, DR. JOHN P(ARKER), b. New York, N.Y., Aug. 11, 21; m. 42; c. 4. PSYCHOLOGY. S.B. Harvard, 41; M.A. Iowa, 47, Ph.D. 49. Instr. PSYCHOL, CALIFORNIA, BERKELEY, 49-51, asst. prof, 51-61, assoc. prof, 61-68, PROF, 68-; res. assoc, 49-58, lectr, med. sch, 54-58. C.Eng, 42-45, Capt. Child psychology and development; general experimental psychology. Address: Dept. of Psychology, University of California, Berkeley, Calif. 94720.

McKEE, DR. MICHAEL GEOFFREY, b. Santa Monica, Calif, May 11, 31; m. 56; c. 3. PSYCHOLOGY. A.B. California, Berkeley, 53, Ph.D. (clin. psychol), 60. Clin. psychol. trainee, Vet. Admin, 56-60; CLIN. & RES. PSYCHOLOGIST, U.S. GOVT, 60- Consult. psychologist, Edward Glaser & Assocs, 66-; res. consult, Human Interaction Res. Inst, 66- U.S.A., 53-55. Psychol. Assn. Test validation; community and organizational mental health; personality assessment and research; social behavior. Address: 3566 N. Nottingham St, Arlington, Va. 22207.

McKEE, DR. RICHARD C(RAIG), b. Gas City, Ind, Jan. 16, 31; m. 54; c. 2. PSYCHOLOGY. B.S. Ball State, 53; M.A. Denver, 56, Ph.D. 58. Teacher, high sch, Colo, 55-56; asst. prof. psychol, Eastern New Mexico, 58-61, dir. counseling, 58-59, dean students, 59-61; asst. prof. psychol, Ball State, 61-63; specialist, U.S. Off. Ed, 63-65; ASSOC. PROF. PSYCHOL. & DIR. RES, BALL STATE, 65- U.S.M.C., 53-55. Psychol. Assn; Personnel & Guid. Assn; Nat. Ed. Assn. Educational psychology. Address: Dept. of Psychology, Ball State University, Muncie, Ind. 47306.

McKEE, PROF. ROLAND C(LAYTON), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.

McKEEVER, DR. MADRIGALE M(ACONAGHIE), Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

McKELLIGOTT, DR. JOHN W(ILLIAM), b. Los Angeles, Calif, June 21, 27; m. 52; c. 1. PHYSIOLOGICAL PSYCHOLOGY. A.B. Southern California, 50; B.Sc. New Zealand, 51; M.A. California, Los Angeles, 57, Ph.D. 59. Clin. psychologist, Vet. Admin. Hosp, 58-61, res. assoc, Sepulveda, Calif, 61-63; clin. psychologist, WADSWORTH HOSP, VET. ADMIN. CENTER, LOS ANGELES, 63-65, CHIEF PSYCHOL. SERV, 66- Assoc. clin. prof. psychol, California, Los Angeles, 66-; instr. exten. div, 67- Consult, Mgt. Counsr. Assocs, Los Angeles, 87- U.S.N.R., 44-46. Psychol. Assn; Psychophysiology; psychodiagnosis; psychophysiological reactions to stress; psycho-

physiology of chronic illness; management consulting. Address: C-307, Wadsworth Hospital, Wilshire & Sawtelle Bldgs, Los Angeles, Calif. 90073.

McKELVEY, PROF. JEAN T(REPP), b. St. Louis, Mo, Feb. 9, 08; m. 34. INDUSTRIAL & LABOR RELATIONS. A.B. Wellesley Col, 29; A.M. Radcliffe Col, 31, Ph.D. 33. Mem. faculty soc. sci, Sarah Lawrence Col, 32-46; from assoc. prof. to PROF, N.Y. STATE SCH. INDUST. & LABOR RELS, CORNELL, 46- Faculty mem, Salzburg Seminar Am. Studies, 51. Trustee, Wellesley Col, 47-52. Mem. pub. panel & arbitrator, War Labor Bd, 45-46; mem, State Bd. Mediation, N.Y., 55-66; pub. rev. bd, United Auto Workers, 60-; mem. rev. panel, Cabinet Cmt. Revision Exec. Order Fed. Employee Orgn, 67- Hart, Schaffner & Marx prize, 29. Indust. Rel. Res. Assn; Nat. Acad. Arbit. Public employee collective bargaining; arbitration systems; labor disputes settlement. Publ: AFL attitudes toward production; Dock labor disputes in Great Britain; The role of state agencies in public employee labor relations, Indust. & Labor Rel. Rev, 1/67. Address: 53 Aberthaw Rd, Rochester, N.Y. 14610.

McKELVEY, PROF. RAYMOND G(OSS), b. Los Angeles, Calif, June 18, 06; m. 31; c. 2. POLITICAL SCIENCE. B.A. Cornell, 30; M.A. Claremont Col, 31. Instr. POLIT. SCI, Santa Barbara Col, 31-33, asst. prof, 35-37; Pomona Col, 37-39; PROF. & CHMN. DEPT. OCCIDENTAL COL, 39- Polit. Sci. Assn. Address: 2275 Roanoke Rd, San Marino, Calif. 91108.

McKELVEY, DR. ROBERT K, b. Webster Groves, Mo, Feb. 3, 22; m. 43; c. 4. PSYCHOLOGY. B.A. Missouri, 47, M.A. 48; Ph.D. Washington (Seattle), 51. Res. psychologist, U.S. Dept. Air Force, 51-58; Fed. Aviation Agency, 58-61, chief human factors res. br, systs. res. & develop. serv, 61-66; dir. driving res. lab, U.S. PUB. HEALTH SERV, 66-67, DIR. INJURY CONTROL RES. LAB, 68- U.S.A.A.F., 42-45. Psychol. Assn; fel. Soc. Eng. Psychol. Experimental and engineering psychology; motor vehicle injury avoidance. Publ: Behavior of individuals and personnel systems in the surveillance functions of an air defense direction center; Relationship between training methods and reward variables in brightness discrimination learning, J. Comp. & Physiol. Psychol, 56; Analysis of runway marking configurations for bright daylight contact fog operations, Fed. Aviation Agency, 64. Address: 9 Sandra Dr, Bristol, R.I. 02809.

McKENNA, DEAN FRANK S(HIRLEY), b. Crafton, Pa, May 31, 21; m. 43; c. 4. PSYCHOLOGY. B.S. Lehigh, 42; M.A. Columbia, 48, Ph.D. (psychol), 51. Lectr. psychol, Upsala Col, 49-50, asst. prof, 50-52; DePauw, 52-54, assoc. prof, 54-60, prof, 60-66; PROF. PSYCHOL. & DEAN, MONMOUTH COL. (ILL), 66- U.S.N.R., 43-46, Lt. Psychol. Assn; fel. Soc. Eng. Psychol. Personnel and engineering psychology; personnel psychology. Publ: Personnel selection: a self instructional program, Ed. Methods, 10/67. Address: Monmouth College, Monmouth, Ill. 61462.

McKENNA, SISTER HELEN VERONICA, S.S.J., b. Philadelphia, Pa, Dec. 2, 18. PSYCHOLOGY. A.B. Chestnut Hill Col, 51; M.A. Catholic Univ, 55; Ph.D. Fordham, 58. Instr. PSYCHOL, CHESTNUT HILL COL, 58-66, ASST. PROF, 66- Psychol. Assn; Acad. Relig. & Ment. Health. Personality theory and assessment; attitude measurement; factor analysis; psychological factors in education. Publ: Concepts of the ideal self and of the friend, J. Personality; Religious maturity scale, Cath. Ed; Religious attitudes and personality traits, J. Soc. Psychol. Address: Dept. of Psychology, Chestnut Hill College, Philadelphia, Pa. 19118.

McKENNA, JAMES F(RANCIS), b. London, Ont, Feb. 10, 07; nat; m. 42. ECONOMICS, STATISTICS. B.A. Western Ontario, 28; All-Can. fel, Northwestern, 28-30, M.B.A., 30; summers, Columbia, 31-32; Ohio State, 35. Instr. acct, Western Ontario, 26-28; banking, Northwestern, 28-30; finance & econ, Miami (Ohio), 30-34; res. assoc, Richard T. Ely, N.Y., 35-36; instr. econ, Brooklyn Col, 36-37; asst. economist, Savings Banks Trust Co, N.Y., 37-38; dir. res, East River Savings Bank, 39-53; bus. mgr, Austen Riggs Center, Mass, 53-56; CHIEF STATISTICIAN, AM. INST. ECON. RES. GREAT BARRINGTON, 56- U.S.A., 42-46. Statist. Assn; Econ. Assn. Money and banking, especially theory and measurement of inflation; business statistics, especially statistical indicators of cyclical changes and methodology of time series decomposition; mutual savings banking; interest-dividend rates; methods and costs. Publ: Ed. Outlines of economics. Address: Riverbrook School, Ice Glen Rd, Stockbridge, Mass. 01262.

McKENNA, PROF. JAMES J(OSEPH), JR., b. Philadelphia, Pa, Sept. 8, 30; m. 57; c. 4. SOCIOLOGY. B.A. La Salle Col, 55; O'Hara scholar & M.A. Notre Dame, 56, univ. fel, 57-58. Instr. SOCIOL, VILLANOVA, 56-61, ASST. PROF, 61-, acting chmn. dept, 59-61. Co-dir. & coordinator group psychother. progs. criminals, Nat. Inst. Ment. Health res. grant, 65-66. U.S.N., 48-52. Sociol. Assn; Int. Soc. Criminol. Criminology; research methods; social psychiatry; deviant behavior. Publ: A rationale for typologies of criminal behavior, Temple Law Quart, spring-summer 67. Address: Dept. of Sociology, Villanova University, Villanova, Pa. 19085.

McKENNA, JOHN ARTHUR, b. Mineola, N.Y., June 23, 28; m. 52; c. 6. INDUSTRIAL MANAGEMENT, AERONAUTICAL ENGINEERING. B.S.E, Princeton, 50; M.B.A. Harvard, 52. Proj. mgt. elec. surveillance, Elec. Corp. Am, 54-55; gen. mgr. pressure measuring instruments, Kenyon Instrument Co, 55-56; asst. admin. engr, SIKORSKY AIRCRAFT, 56-61; mgr. exp. mfg, 61-66, V. PRES, 66- U.S.A.F., 52-54, 1st Lt. Helicopter Soc. Social and management sciences associated with research and development of vertical take off and landing aircraft. Address: Sikorsky Aircraft, Main St, Stratford, Conn. 06430.

McKENNA, DR. JOHN B(ERNARD), Neurol, Psychiat, see 11th ed, Phys. & Biol. Vols.

McKENNA, DR. JOSEPH C(HARLES), b. New York, N.Y., June 10, 17. POLITICAL SCIENCE. A.B. Fordham, 38; M.A. Georgetown, 46; S.T.L., Woodstock Col, 50; Ph.D. (polit. sci), Yale, 56. Instr. hist. & polit. sci, Georgetown, 43-45; hist. & classics, prep. sch, Fordham, 45-46, polit. sci, 55-57, asst. prof, 57-60, assoc. prof, 60-63; SECY, ED. DEPT. CATH. SECRETARIAT NIGERIA, 63- Mem, Nigerian Nat. Cmn. for UNESCO, 66- Polit. Sci. Assn; Soc.

- Int. Law; African Studies Assn; Nigerian Inst. Int. Affairs. International relations; political theory; American government and politics; African affairs; education. Publ: Diplomatic protest in foreign policy, Loyola, 61; Ethics and war: a Catholic view, Am. Polit. Sci. Rev; 60; International relations, New Cath. Encyclop, 67. Address: Catholic Secretariat of Nigeria, P.O. Box 951, Lagos, Nigeria.
- McKENNA, PROF. JOSEPH P(ERRY), b. Julesburg, Colo, Sept. 22, 22; m. 49; c. 7. ECONOMICS. S.B. Harvard, 46, M.A. 50, Ph.D.(econ), 51. From asst. prof. to assoc. prof. Econ, Minnesota, 50-55; St. Louis, 55-60; prof, 60-61, dir. dept, 55-61; PROF, Boston Col, 61-66; Va. Polytech, 66-67; MISSOURI, ST. LOUIS, 67- Vis. prof, Bologna Center, sch. adv. int. studies, Hopkins, 61-63. Consult, bur. econ, Fed. Trade Cmn, 64-66. Ed. Rev. Soc. Econ, 61-U.S.A., 42-45. Econ. Assn. Economic theory. Publ: Aggregate economic analysis, intermediate economic theory. Address: Dept. of Economics, University of Missouri, St. Louis, Mo. 63121.
- McKENNA, PROF. VINCENT T(HOMAS), Econ, see 10th ed, Soc. & Behav. Vols.
- McKENNA, DR. VIRGIL V(INCENT), b. Westbury, N.Y., Apr. 20, 35; m. 57; c. 2. PSYCHOLOGY. A.B. Col. William & Mary, 57; M.A. Swarthmore Col, 59; Nat. Sci. Found. fel, South Dakota, summer 60; U.S. Pub. Health Serv. fel, Princeton, 61-62, Ph.D.(psychol), 67. Instr. PSYCHOL, Carleton Col, 59-60; res. asst, personality res. group, Ed. Testing Serv, 62 & summer 63; asst. prof, COL. WILLIAM & MARY, 62-67, ASSOC. PROF, 67- Sigma Xi res. grant, 63-; Danforth Found. assoc, 66-; NASA res. grant, 67-68. Psychol. Assn. Personality theory; cognitive processes; perception. Publ: Co-auth, On size perception in the absence of cues for distance, Am. J. Psychol, 60 & Size constancy as a function of aging and x-ray irradiation in rhesus monkeys, Animal Behav, 64; auth, Big book, small book: the search for unity and relevance, Contemporary Psychol, 67. Address: Dept. of Psychology, College of William & Mary, Williamsburg, Va. 23185.
- McKENNA, PROF. WILLIAM J, b. Philadelphia, Pa, Dec. 13, 14; m. 47; c. 5. POLITICAL SCIENCE. B.S. Pennsylvania, 36, M.A. 38, Ph.D.(polit. sci), 51. Asst. prof. POLIT. SCI. & ECON, col. div, Greenbrier Mil. Sch, 40-42; mem. staff, TEMPLE, 46-51, asst. prof, 51-61, ASSOC. PROF, 61- U.S.A., 42-46. Polit. Sci. Assn; Acad. Polit. & Soc. Sci. International relations; national government; transportation and public utilities. Address: Dept. of Economics, Box 49, Temple University, Philadelphia, Pa. 19122.
- McKENNAN, PROF. ROBERT A(DDISON), b. Helena, Mont, Dec. 20, 03; m. 28. ANTHROPOLOGY. A.B. Dartmouth Col, 25; fel, Harvard, 28, traveling fel, 29-30, Ph.D.(anthrop), 33. Instr. sociol, DARTMOUTH COL, 30-34, asst. prof, 34-38, PROF, 38-54, ANTHROP, 54-, chmn. dept, 37-41, dir. north. studies prog, 53-58. Nat. Res. Coun. & Soc. Sci. Res. Coun. grants-in-aid, 33; Wenner-Gren Found. res. grants-in-aid, 58, 67; Nat. Sci. Found. res. grant, 62-63; vis. prof, Inst. Arctic Biol, Univ. Alaska, summer 66, consult, 66- U.S.A.A.F., 42-46, Lt. Col. Fel. Anthropol. Assn; fel. Arctic Inst. N.Am. Ethnography of the Indians of the Southwest; ethnography and physical anthropology of the Northern Athapaskan Indians; problems of personal equipment and survival under arctic conditions; prehistory of arctic and subarctic. Publ: Co-auth, Walapai ethnography, Am. Anthropol. Assn. Memoir 42, 35; auth, The Upper Tanana Indians, Yale Pub. Anthropol. 55, 59 & The Chandalat Kutichin, Arctic Inst. N.Am. Tech. Paper 17, 65. Address: Elm St, Norwich, Vt. 05055.
- McKENZIE, DR. BARBARA KRUGER, b. New York, N.Y., Jan. 28, 03; m. 40, 44. PSYCHOLOGY. A.B. Columbia, 24, A.M. 30, Ph.D.(psychol), 48; Bivin Found. fel, Southern California, 38. Ed. researcher, Higher Ed. in Cleveland, 24; indust. secy, YWCA, 25; Nat. League Girls Clubs, 26; asst. dir. student activities, Barnard Col, Columbia, 27-34; exec. dir, Girl Scout Coun, Calif, 34-37; dean women, Susquehanna Col, 38-40; dir. placement personnel dept, Brooklyn Col, 40-47, asst. prof. ed, 48-66; RETIRED. Ford Found. distinguished vis. prof, Fisk, 66. Dipl. Am. Bd. Exam. Prfnl. Psychol. Psychol. Assn; Personnel & Guid. Assn; Asn. Counsr. Ed. & Supv; Nat. Voc. Guid. Assn. Urban problems; counseling; adolescence; factors conducive to the development of talent; intercultural relations. Publ: Analysis of Humm-Wadsworth Temperament Test J. Appl. Psychol, winter 38; Effect of contact on attitudes toward Negroes, J. Abnorm. & Soc. Psychol, fall 48; co-auth, Singers of Australia, Lansdowne, Australia, 67. Address: 33 Franklin Ave, Croton-on-Hudson, N.Y. 10520.
- McKENZIE, DR. DOUGLAS HUGH, b. Minneapolis, Minn, Feb. 14, 39; m. 65; c. 1. ANTHROPOLOGY. B.A. Minnesota, 60; Ph.D.(anthrop), Harvard, 65. Asst. prof. ANTHROP, Case Inst. Tech, 64-67; ASSOC. PROF, CLEVELAND STATE, 67- Co-prin. investr, Nat. Sci. Found. res. grant, 65-66. Fel. Anthropol. Assn; Soc. Am. Archaeol. Archaeology of North America, especially eastern United States. Publ: Co-auth, Studies in Ohio archaeology, Case Western Reserve, 67; auth, The burial complex of the Moundville phase, Alabama, Fla. Anthropologist, 65; A summary of the Moundville phase, J. Ala. Archaeol, 66. Address: Modulux 438, Cleveland State University, Cleveland, Ohio 44115.
- McKENZIE, DR. FINDLAY, b. Taree, Australia, Sept. 6, 94; nat; m. 44. ECONOMICS, SOCIOLOGY. B.A., Sydney, 18, B.Econ, 18; A.M., 21; Ph.D., N.Y. Univ, 33. Instr. econ. & sociol, Wesleyan, 21-22; sch. bus. admin, City Col. New York, 22-28; Barnard Col, Columbia, 26-27; Hunter Col, 28-30; econ, Brooklyn Col, City Univ. New York, 30-36, asst. prof, 36-43, assoc. prof, 44-59; RES. & WRITING, 59- Econ. Assn. Political and economic aspects of planning; economic thought, theory and terminology. Publ: Nationalism and education in Australia; Planned society, yesterday, today, tomorrow, 37; co-auth, Singers of Australia—Melba to Sutherland, Melbourne, 67. Address: 33 Franklin Ave, Croton-on-Hudson, N.Y. 10520.
- McKENZIE, DR. FRANCIS W(ALDO), b. West Somerville, Mass, Dec. 27, 18; m. 43; c. 3. PSYCHOLOGY, SOCIOLOGY. B.S. Northeastern, 43; M.A., Chicago, 45; Ph.D., Yale, 57. Asst. prog. dir, YMCA, Ill, 42-45; psychologist & dir, YMCA Counseling Serv, Conn, 45-54; dir. guid, pub. schs, Darien, Conn, 54-57, admin. asst. instr, 57-60, asst. supt, 60-67; DIR. PUPIL PERSONNEL SERV, PUB. SCHS, BROOKLINE, MASS, 67- Lectr, Hartford Sem. Found, 47-49; Springfield Col, 49-59; Trinity Col.(Conn), 50-54; Bridgeport, 57-66; Connecticut, 58-65; summer staff assoc, inst. adminstr, pupil personnel serv, Harvard, 63- Consult, Thompson, Ramo & Wooldridge, Inc, 60; Sci. Res. Assocs, Chicago, 60. Chmn, Nat. Conf. Counseling, YMCA, Wis, 47; mem. res. & studies emt, Nat. Bd. YMCA's of N.Am, 60-; career develop. res. cmt, New Eng. Sch. Develop. Coun, Harvard, 61- Psychol. Assn; Sociol. Assn; Acad. Polit. & Soc. Sci. Psychodynamics of vocational choice and career pattern development; psychological appraisal of executive selection and training; leadership and creativity; role and status function in institutional and professional life. Publ: Co-auth, Counseling in the YMCA; auth, Selecting a college, In: New Grolier encyclopedia. Address: 29 Old Weston Rd, Wayland, Mass. 01778.
- McKENZIE, DR. KENNETH DONALD, b. Salem, Ore, Dec. 20, 37; m. 57; c. 4. ORGANIZATION THEORY. A.B. California, 60, Ph.D.(bus. admin), 64. Asst. prof. ORGN. THEORY, Carnegie-Mellon, 64-67; ASSOC. PROF, PENNSYLVANIA, 67- U.S.M.C. & Army Nat. Guard, 56-64, Lt. Psychomet. Soc; Inst. Mgt. Sci; Opers. Res. Soc; Mkt. Assn. Development of a mathematical theory of organization structure; experimental social psychology. Publ: Structural centrality in communications networks, Psychometrika, 3/66; co-auth, Task dependency of organizational centrality: its behavioral consequences, J. Exp. & Soc. Psychol, 10/66; auth, Decomposition of communication networks, J. Math. Psychol, 2/67. Address: Wharton School of Finance & Commerce, University of Pennsylvania, Philadelphia, Pa. 19104.
- McKENZIE, PROF. LIONEL WILFRED, b. Montezuma, Ga, Jan. 26, 19; m. 43; c. 3. ECONOMICS. A.B. Duke, 39; M.A. Princeton, 46. Ph.D. 56: Rhodes scholar, Oxford, 46-48. B.Litt. 49; Chicago, 50-51. Asst. economist, War Prod. Bd. 43; instr. Mass. Inst. Tech, 46; from asst. prof. to assoc. prof. ECON, Duke, 48-57; prof, ROCHESTER, 57-64, chmn. dept, 57-66; John Munro prof, 64-68, WILSON PROF, 68- Am. Econ. Assn. rep. to behav. sci. div, Nat. Res. Coun, 64- Mem. math. soc. sci. bd, Center Adv. Res. Behav. Sci, 64- U.S.N.R., 43-45, Lt. Math. Soc; fel. Am. Acad. Arts & Sci; Am. Econ. Assn; Statist. Assn; fel. Economet. Soc; Royal Econ. Soc. Mathematical economics; theory of general competitive equilibrium, including problems of existence, uniqueness, stability and optimality of equilibrium; theory of optimal economic growth. Address: Dept. of Economics, University of Rochester, Rochester, N.Y. 14627.
- McKENZIE, LT. COL. RICHARD E(ARL), U.S.A.F., b. Detroit, Mich, Apr. 18, 24; m. 49; c. 1. CLINICAL PSYCHOLOGY. Ph.B. Detroit, 48; M.A. Wayne State, 51; M.S. Michigan, 57, Ph.D. 58. Intern. clin. psychol, Wayne State, 48-49; clin. psychologist, Lapeer State Home & Training Sch, Mich, 49-51; U.S. AIR FORCE, 51-, clin. psychologist, Chanute Air Force Base Hosp, Ill. 51-54, Air Force Inst. Tech, Michigan, 54-57, Warren Air Force Base Hosp, Wyo, 57-58, head, crew performance unit, neuropsychiat. dept. sch. aerospace med, aerospace med. center, Brooks Air Force Base, 58-64, res. consult, Fed. Aviation Agency, N.J. 64-66, chief clin. psychologist, ment. hyg. clin, Lackland Air Force Base, Tex, 66-67, HEAD BEHAV. ASSESSMENT, SCH. AEROSPACE MED, BROOKS AIR FORCE BASE, 67- Clin. consult, Bexar County Community Guid. Center, San Antonio, 67- U.S.A.A.F. 42-45, 1st Lt. AAAS; Psychol. Assn; Aerospace Med. Assn. Evaluation of psychobiologic, psychiatric and performance aspects of man-machine systems. Publ: Exploratory study of sleep characteristics in a hypodynamic environment, Sch. Aerospace Med. Report: Study of a transvestite-evaluation and treatment, J. Psychother; observations in the SAM two-man space cabin simulator-III system operator performance factors, Aerospace Med. Address: Dept. of Neuropsychiatry, School of Aerospace Medicine, Brooks Air Force Base, Tex. 78235.
- McKENZIE, PROF. ROBERT (CAMPBELL), b. San Francisco, Calif, Apr. 6, 13; m. 39, 53; c. 13. POLITICAL SCIENCE. A.B. San Francisco, 36; A.M. Denver, 45. Instr, Villanova of West, 36-38; Regis Col, 40-43; from asst. prof. to ASSOC. PROF, HIST. & POLIT. SCI, SAN FRANCISCO, 46- Polit. Sci. Assn. International relations; American Civil War: military history; public administration. Publ: Football scouting; Andrews raid: war by rail. Cath. Digest; Geo-politics of soviet aggression, Nat. Repub. Address: 1500 Ulloa St, San Francisco, Calif. 94116.
- McKEON, ALFRED J(EROME), b. New York, N.Y., Oct. 1, 26; m. 48; c. 2. MATHEMATICAL STATISTICS, OPERATIONS RESEARCH. B.A. George Washington, 49. Statistician pop. studies, Vet. Admin, 48-55; math. statistician econ. res, U.S. Internal Revenue Serv, 55-58; chief opers. res. br, U.S. Bur. Census, 58-61; analyst mil. opers. res, N.Am. Air Defense, 61-66; OPERS. RES. ANALYST, U.S. INTERNAL REVENUE SERV, 66- U.S.A.F.R., 50-, Maj. Opers. Res. Soc; Soc. Qual. Control; Inst. Math. Statist; Inst. Mgt. Sci. Extension of probability sampling to additional areas of human society and endeavor, especially executive decision making; methodological improvements in measuring; reducing variance and bias. Publ: Co-auth, Use of random work sampling for cost analysis, J. Am. Statist. Assn. & Comparison of serial number digit sampling with systematic and random sampling, J. Appl. Statist. Address: 1032 S. 16th St, Arlington, Va. 22202.
- McKEON, DR. JAMES J, b. North Adams, Mass, July 20, 29; m. 64. PSYCHOLOGY, PSYCHOMETRICS. B.A., Williams Col, 51; M.A., Pa. State, 57; Ph.D.(psychol, math. statist), North Carolina, Chapel Hill, 61. Instr. psychol, Gettysburg Col, 56-57; instr. & res. asst, North Carolina, Chapel Hill, 57-61; trainee measurement psychol, Illinois, Chicago, 61-62; statist. assoc, Ed. Testing Serv, 62-65; SR. SCIENTIST BIOMET. LAB, GEORGE WASHINGTON, 66- Statist. Assn; Psychomet. Soc; Biomet. Soc. Quantitative methods in the social and biological sciences; measurement and scaling theory and its applications to attitude, personality and preference measurement; multivariate analysis and computer applications. Publ: Canonical analysis, Psychomet. Monogr, Psychometrika, 66. Address: Biometric Lab, George Washington University, 1145 19th St. N.W., Washington, D.C. 20006.
- McKEOWN, PROF. JAMES E(DWARD), b. Detroit, Mich, Sept. 3, 19; m. 55. SOCIOLOGY. A.B. Wayne, 41, A.M. 45; Ph.D., Chicago, 49. Instr. soc. sci, St. Xavier Col.(Ill), 45-48; asst. prof. SOCIOL, N.Mex. Highlands, 48-52;

DePAUL, 52-55, assoc. prof, 55-57, PROF, 57-, CHMN. DEPT, 62-, CHMN. INTER-DEPT. PROGS. SOC. SCI, 63- Vis. prof, Emory, 52; Fund Adv. Ed. fel, 54, 55; Smith-Mundt lectr, Bolivia, 58; vis. prof, Northwestern, 64; Concordia Teachers Col.(Ill), 64-66. Assoc. dir. instr, Chicago Teacher Corps Consortium, 66-; mem. inter-univ. soc. res. cmt, Chicago Metropol. Area, 67. AAAS; Sociol. Assn; Acad. Polit. & Soc. Sci. Social background of problem behavior; social theory; crime. Publ: Co-auth, Changing metropolis, Houghton, 64. Address: Dept. of Sociology, DePaul University, 25 E. Jackson Blvd, Chicago, Ill. 60604.

McKERN, DR. THOMAS WILTON, Phys. Anthropol, see 11th ed, Phys. & Biol. Vols.

McKERN, DR. WILL C(ARLETON), b. Medical Lake, Wash, July 6, 92; m. 19; c. 2. ANTHROPOLOGY. A.B. California, 17, Field fel, 17, 19; hon. D.S. Marquette, 56. Asst. instr. anthropol, Washington (Seattle), 19; mem, Bayard Dominick expd. to Polynesia, Bishop Mus, Hawaii, 19-20, res. assoc. ethnol, 20-21; asst. archaeologist, Bur. Am. Ethnol, 22; asst. curator anthropol, MILWAUKEE PUB. MUS, 25-27, assoc. curator, 28-29, curator, 30-43, dir, 43-58, EMER. DIR, 58- U.S.A., 17-19. Anthropol. Assn; Soc. Archaeol. (ed. Am. Antiquity, 35-39, pres, 40); Assn. Mus. Ethnology and archaeology of Polynesia, California and northern Mississippi Valley. Publ: Archaeology of Tonga; Upper Mississippi phase in Wisconsin, Milwaukee Pub. Mus. Bull, 45; Clam River focus, Milwaukee Pub. Mus. Pub. Anthropol, 63. Address: 238 Purdue Ave, Berkeley, Calif. 94708.

McKERNON, DR. JAMES G(ILBERT), b. Alameda, Calif, Dec. 4, 16; m. 49; c. 1. CLINICAL & COUNSELING PSYCHOLOGY. B.A. Colo. State Col, 49; M.Ed, Colorado, 51; Ph.D.(psychol. spec. ed), Denver, 56; Ohio State, 60-61. Tech. instr. electronics & instr. training, Lowry Air Force Base, Denver, Colo, 50-52; teacher, pub. schs, Colo, 52-55; res. assoc. spec. ed, Illinois, Urbana, 55-56, assoc. prof. psychol. & ed, North. State Col, 56-60; clin. psychologist, VET. ADMIN. HOSP, Chillicothe, Ohio, 60-63, CHIEF PSYCHOL. SERV, HUNTINGTON, W.Va, 63- U.S.M.C., 38-46. Psychol. Assn. Motor proficiency of intellectually gifted children; learning methods and problems of neurologically impaired children. Address: 1705 Underwood Ave, Huntington, W.Va. 25701.

MACKEY, DR. HAROLD FRANK, b. Dunellen, N.J., July 31, 16; m. 42; c. 2. SOCIOLOGY. A.B. Hope Col, 43; B.D. Garrett Bibl. Inst, 47; Ph.D. Washington State, 65. Asst. prof. sociol, Pacific Lutheran, 63-66; ASSOC. PROF. SOC. SCI, ORE. COL. ED, 66- Dept. Health, Ed. & Welfare, Off. Aging res. grant, 65-67. Problems of the aging, including housing; factors in personal adjustment of the aging. Address: Dept. of Social Science, Humanities & Social Science Bldg. Room 202, Oregon College of Education, Monmouth, Ore. 97361.

MACKEY, DR. M(AURICE) C(ECIL), JR, b. Montgomery, Ala, Jan. 23, 29; m. 53; c. 3. LAW. A.B. Alabama, 49, M.A., 53, LL.B., 58; Ph.D.(econ), Illinois, 55. Asst. prof. econ, Illinois, 55-56; assoc. prof, U.S. Air Force Acad, 56-57; Ford Found. fel, law sch, Harvard, 58-59; asst. prof. law, Alabama, 59-62; asst. counsel, antitrust & monopoly subcm, U.S. Senate, 62-63; dir. off. policy develop, Fed. Aviation Agency, 63-65; dir. off. transportation policy, U.S. Dept. Commerce, 65-67; ASST. SECY. POLICY DEVELOP, U.S. DEPT. TRANSPORTATION, 67- Econ. Assn. Monopoly and competition; corporation law; trade regulation. Address: 5506 Ridgefield Rd, Washington, D.C. 20016.

MACKIE, DR. ARTHUR B, b. Yadkinville, N.C., Feb. 5, 24; m. 50; c. 2. ECONOMICS. B.S. N.C. State, 49, M.A., 53; Ph.D.(agr. econ), Iowa State, 56. ASST. BR. CHIEF regional econ. develop, Tenn. Valley Authority, 56-61; FOR. ECON. DEVELOP, ECON. RES. SERV, U.S. DEPT. AGR, 61- U.S.N., 43-46. Agr. Econ. Assn; Econ. Assn. Regional economic development; problems of low income farmers; foreign economic development and trade. Publ: Co-auth, Problems and suggested programs for low income farmers, Tenn. Valley Authority, 59; auth, Foreign economic growth and market potentials for U.S. agricultural products, 65 & World trade in selected agricultural commodities, 68, U.S. Dept. Agr. Address: 1001 Wilson Blvd, Apt. 701, Arlington, Va. 22209.

MACKIE, DR. JAMES B(ENJAMIN), b. Salt Lake City, Utah, May 21, 32; m. 56; c. 3. PSYCHOLOGY. B.A. Utah, 55, M.A., 57, Ph.D.(psychol), 63. Instr. anthropol, Utah, 59-63, psychiat, div. child psychiat, col. med, 60-63; asst. prof. psychol. pediat. & psychiat, PSYCHIAT. INST. SCH. MED, MARYLAND, 63-65, asst. prof. & coordinator pediat. psychiat, 65-66; ASSOC. PROF. PSYCHOL. & CHIEF DIV, 67-; MGR. ED, J. NERVOUS & MENT. DISEASE, 67- Consult, George Washington, 65-67; Peace Corps, Washington, 65-67; Gov. Cmt. Ed, 67; Baltimore Dept. Welfare, 67- Psychol. Assn. Effects of different kinds of enrichment programs on psychological development of inner-city children. Publ: Relations among rigidity intelligence and perception in brain damaged and normal individuals, J. Nervous & Ment. Disease, 66; co-auth, The diagnostic check point for community child psychiatry, Psychiat. Res. Report No. 22, Am. Psychiat. Assn, 67; auth, Effects of teacher style on academic achievement of culturally deprived children, Am. J. Orthopsychiat, 68. Address: Psychiatric Institute, University of Maryland School of Medicine, Baltimore, Md. 21201.

McKIE, PROF. JAMES W(ARREN), b. Los Angeles, Calif, June 18, 22; m. 47; c. 3. ECONOMICS. B.A. Texas, 43, M.A., 47; A.M., Harvard, 49, Ph.D. (econ), 52. Asst. prof. econ, Williams Col, 51-52; Harvard, 52-54; assoc. prof. ECON. & BUS. ADMIN, VANDERBILT, 54-60, PROF, 60-, CHMN. DEPT, 65- U.S.A.A.F, 43-46. Econ. Assn. Industrial organization and public policy; business economics; transportation and public utilities. Publ: Tin cans and tin plate; Decline of monopoly in the metal container industry, Am. Econ. Rev; Market structure and uncertainty in oil and gas exploration, Quart. J. Econ. Address: Dept. of Economics & Business Administration, Vanderbilt University, Nashville, Tenn. 37203.

MACKIE, DR. ROBERT R(AMSAY), b. Los Angeles, Calif, Aug. 15, 24; m. 49; c. 4. PSYCHOLOGY. Ph.D.(psychol), Southern California, 51. From dir. res. to PRES, HUMAN FACTORS RES, INC, 52- Lectr, Southern California,

48- U.S.N., 43-46, Lt.(jg). AAAS; Psychol. Assn; Mkt. Assn; Psychomet. Soc. Personnel psychology; human engineering; marketing and advertising. Publ: Learning problems in sonarman training, Off. Naval Res. Reports; Measurement of consumer behavior; co-auth, Translation and application of psychological research, Off. Naval Res, 67. Address: Human Factors Research, Inc, Santa Barbara Research Park, 6760 Cortona Dr, Goleta, Calif. 93017.

McKILLOP, PROF. ANNE, b. Regina, Sask, Jan. 8, 18. EDUCATIONAL PSYCHOLOGY. B.A. McMaster, 37; McCall scholar, 39; B.Ed. Saskatchewan, 41; Larned scholar, Columbia, 45, Dodge fel, 46, M.A., 47, Ph.D., 51. Teacher, Saskatoon Tech. Collegiate, 41-45; part-time instr, TEACHERS COL, COLUMBIA, 45-51, asst. prof. ED, 51-54, assoc. prof, 54-58, PROF, 58- Psychol. Assn. Child development; measurement and evaluation; diagnostic and remedial work in reading. Publ: Co-auth, Introduction to education; auth, Relationship between the reader's attitude and certain types of reading response. Address: Richmond Hill Rd, Greenwich, Conn. 06830.

McKILLOP, DR. WILLIAM L. M, b. Aberdeen, Scotland, June 3, 33; m. 58; c. 3. ECONOMICS, FORESTRY. B.Sc. Aberdeen, 54; M.Sc. New Brunswick, 59; M.A. & Ph.D.(agr. econ), California, Berkeley, 65. Res. officer forestry, Can. Dept. Forestry, 58-59, forest economist, 59-61; ASST. PROF. FORESTRY & FOREST ECONOMIST, CALIFORNIA, BERKELEY, 64- R.E. Brit. Army, 54-56, Lt. Econ. Assn; Economist. Soc; Soc. Am. Foresters. Econometrics; economic theory; forest economics; statistics. Publ: Supply and demand for forest products—an econometric study, Hilgardia, 3/67; Production and inventory planning in lumber manufacturing, Bull. 837, Calif. Agr. Exp. Sta, 3/68; Forecasting new orders for redwood lumber, Forest Prod. J, 3/68. Address: Dept. of Forestry, University of California, Berkeley, Calif. 94720.

McKIM, DR. BRUCE T, b. Sept. 3, 28; U.S. citizen. ECONOMICS. B.S. Iowa, 50, M.A., 58, Ph.D.(econ), 62. Asst. economist, Fed. Reserve Bank Chicago, 60-62; ASST. PROF. ECON, Calif. State Col. Los Angeles, 62-63; CALIFORNIA, RIVERSIDE, 63- Ford Found. grant, 62-63; Univ. California Regents fel, 63-64; vis. asst. prof, California, Los Angeles, 67-68. U.S.A.F, 50-54, S/Sgt. Econ. Assn. Technique of identifying monetary assets by discriminant analysis, using time series measures to separate money from near monies; demand for money. Publ: Aspects of the California property tax, State California Assembly Cm. Tax & Revenue, 63; The monetary structure: stability, growth and inflation, In: Economy of Latin America, Univ. Iowa, 65. Address: Dept. of Economics, University of California, Riverside, Calif. 92502.

McKINLEY, DR. CAMERON KEITH, b. Shreveport, La, Dec. 9, 30; m. 55; c. 2. CLINICAL PSYCHOLOGY. B.A. Centenary Col, 57; M.A. Houston, 65, Ph.D.(psychol), 66. Staff psychologist, Galveston County Guid. Center, 62-64; instr. CLIN. PSYCHOL, child develop. center, dept. pediat, MED. BR, TEXAS, 64-65, ASST. PROF, psychiat. res, DEPT. NEUROL. & PSYCHIAT, 65-67, DIV. CHILD PSYCHIAT, 67- U.S.A., 54-56. Psychol. Assn; Soc. Proj. Tech. & Personality Assessment. Socio-cultural variables in the development of psychiatric illness; personality. Publ: Variations in depressive symptomatology as a function of age, Tex. Reports on Biol. & Med, spring 67. Address: Division of Child Psychiatry, Dept. Neurology & Psychiatry, University of Texas Medical Branch, Galveston, Tex. 77550.

McKINLEY, PROF. CHARLES, b. Fulton, S.Dak, Oct. 16, 89; m. 14; c. 3. POLITICAL SCIENCE. A.B. Washington (Seattle), 13; M.A. Wisconsin, 18. From instr. to prof. polit. sci, REED COL, 18-60, EMER. CORNELIA MARVIN PIERCE PROF. AM. INSTS, 60- Prof, Maxwell Sch. Citizenship, Syracuse, 25-26; mem. res. staff cmt. pub. admin, Soc. Sci. Res. Coun, 35-37; exec. secy. admin. coun, U.S. Dept. Agr, 40-42; mem. summer res. staff, President's Cmt. Water Policy, 50; vis. prof, Portland State Col, 60-62. Consult, 34-; econ. & soc. policies consult. Calif. water plan, Calif. Water Resources Dept, 58-60. Mem, President's Cmt. Admin. Mgt, 38. Polit. Sci. Assn.(v.pres, 53, pres, 55); Soc. Pub. Admin. Natural resource administration and policy; public administration. Publ: Uncle Sam in the Pacific Northwest; contrib, Federalism—mature and emergent, Doubleday, 55; auth, Management of land and water related resources in Oregon—a case study of administrative Federalism, 65. Address: 7001 S.E. 35th Ave, Portland, Ore. 97202.

McKINLEY, PROF. DAVID H(OPWOOD), b. Uniontown, Pa, Sept. 24, 06. FINANCE. A.B. Pa. State Col, 27, A.M., 32; LL.B. Western Reserve, 32. Attorney at law, Cleveland, Ohio, 32-42; from instr. to PROF. BANKING, PA. STATE, 46-, ASSOC. DEAN COL. BUS. ADMIN, 57-, asst. dean, 53-57. Attorney & statistician, Cleveland Trust Co, 38-42. U.S.A.A.F, 42-46. Econ. Assn; Finance Assn. Money and banking. Publ: Co-auth, Your bank; Federal reserve system; Forecasting business conditions, Am. Bankers Assn, 65. Address: College of Business Administration, Pennsylvania State University, 129 Boucke Bldg, University Park, Pa. 16802.

McKINLEY, PROF. ERSKINE W(ILLIAMS), b. Birmingham, Ala, May 16, 19. ECONOMICS. A.B. Univ. of the South, 40; A.M. N.Y. Univ, 41; Ph.D. California, 54. Asst. prof. econ, Indiana, 54-56; consult. soc. sci, Rockefeller Found, 56-57, asst. dir, 57-60; assoc. prof. ECON, TULANE, 60-67, PROF, 67- Assoc. dir. soc. sci, Rockefeller Found, 60- Am. Econ. Assn; Royal Econ. Soc. Current problems in the history of economic theory. Publ: Problem of underdevelopment in the English classical school; Theory of economic growth in the English classical school; L'eredita ricardiana: reconsiderazione. Address: Dept. of Economics, Tulane University, New Orleans, La. 70118.

McKINLEY, DR. GORDON (WELLS), b. New Harbor, Maine, Mar. 9, 15; m. 43; c. 1. ECONOMICS. B.A. McMaster, 38; M.A. Ohio State, 40, Ph.D., 48. Instr. econ, Lehigh, 40-41; Ohio State, 48-48, asst. prof. finance, 48-51; sr. res. economist, Prudential Ins. Co, 51-53, asst. dir. agencies res, 53-55, dir. econ. res, 55-58, exec. dir. econ. & investment res, 58-61; v.pres. & chief econ. F.W. Dodge Corp, 61-63; V.PRES. ECON, V.PRES. & TREAS. & MEM. BD. DIR, MCGRAW-HILL, INC, 63- Mem. bd. dir, Standard & Poor's Corp, 66-; Fed. Loan Bank N.Y., 67-; mem. adv. coun, Fed. Savings & Loan, 67- U.S.N., 41-45, Lt. Econ. Assn; Statist. Assn; Finance Assn; Assn. Bus.

Econ. Finance; construction. Publ: The Federal Reserve System; Residual item in balance of international payments, Am. Econ. Rev; Federal home loan banks and control of credit, J. Finance. Address: McGraw-Hill, Inc, 330 W. 42nd St, New York, N.Y. 10036.

MacKINNEY, PROF. ARTHUR C(LINTON, JR), b. Kansas City, Mo, Oct. 16, 28; m. 53; c. 2. PSYCHOLOGY. B.A., William Jewell Col, 51; M.A., Minnesota, 53, Ph.D. 55. Asst. psychol., Minnesota, 51-53, instr., 53-55; Macalester Col, 55; res. psychologist, Gen. Motors Corp, 55-57; asst. prof. PSYCHOL, IOWA STATE, 57-61, assoc. prof., 61-65, PROF., 65-, HEAD DEPT., 67- Vis. lectr., Michigan, 57; vis. prof., California, Berkeley, 62-63, 66. Consult., R.N. McMurry & Co, 53. U.S.A., 46-47, 51. Psychol. Asn. Longitudinal study of human performance; performance evaluation; personnel selection. Address: Dept. of Psychology, Iowa State University, Ames, Iowa 50010.

MacKINNEY, PROF. DAVID H, b. Richmond, Ky, Sept. 6, 07; m. 33. ECONOMICS. B.S., East Ky. State Teachers Col, 29; A.M., Kentucky, 33, Ph.D. 36. Asst. bur. bus. res., Kentucky, 32-36, asst. res. economist, 36-37; head dept. bus. ed., West. Carolina Teachers Col, 37-39; assoc. prof. econ., West. Ky. State Teachers Col, 39-45; sr. res. economist, State Dept. Revenue, Ky, 46; from assoc. prof. to prof. econ. & assoc. dir. bur. bus. res., Mississippi, 46-67; PROF. ECON., WESTERN CAROLINA, 67- With res. projs., Miss. State Hwy. Dept., Legis. Cmt. Hwy. Finance & U.S. Bur. Pub. Rds, 59-65. Am. Econ. Asn.; Royal Econ. Soc. Public finance; county income analysis. Address: Route 3, Box 18, Sylva, N.C. 28779.

MacKINNEY, DR. DAVID W, JR, Gardon, Ark, Feb. 3, 20; m. 64; c. 8. SOCIOLOGY, SOCIAL PSYCHOLOGY. A.B., Agr. Mech. & Norm. Col, Ark, 41; M.A., Wayne State, 46; Ph.D.(soc. psychol.), Wisconsin, 60. Instr. soc. sci., Chicago, 49-51; lectr. SOCIOLOGY, Brooklyn Col, 53-57, instr., 57-65, asst. prof., 65-66; ASSOC. PROF., WELLINGTON COL, GUELPH, 66- Nat. Sci. Found. grant, 66; researcher, U.S. Equal Employment Opportunity Cmn, 65-66; Can. Prime Minister's Task Force Labour Reels, 67. Consult., City of New York Cmn. Human Rights, 65-66. U.S.N., 44. Acad. Polit. & Soc. Sci.; Can. Sociol. & Anthropol. Asn. Analysis of the research process and the failure of social science research to produce demonstrable knowledge. Publ: Co-auth., A study of employment patterns in the general merchandise group retail stores in New York City, City of New York Cmn. Human Rights, 66; auth., The authoritarian personality studies: an inquiry into the failure of social science research to produce demonstrable knowledge, Mouton, Netherlands, 68. Address: Dept. of Sociology & Anthropology, Wellington College, University of Guelph, Guelph, Ont, Can.

MacKINNEY, DR. FRED, b. New Orleans, La, Apr. 4, 08; m. 33; c. 4. PSYCHOLOGY. B.A., Tulane, 28, M.A., 29; Ph.D.(psychol.), Chicago, 31. Asst. PSYCHOL., Chicago & instr., John Marshall Law Sch, 30-31; instr., MISSOURI, COLUMBIA, 31-35, asst. prof., 35-39, from assoc. prof. to PROF., 39-, psychologist, student health serv., 38-55. Ford Found. grant, 56; lectr. & consult., Stephens Col, 56-57; Fulbright lectr., Ankara & Middle East Tech. Univ., Ankara, 58-59. Distinguished faculty award, Missouri, 67. Dipl. Am. Bd. Exam. Prfnl. Psychol. Civilian with Off. Sci. Res. & Develop. Fel. Psychol. Asn. Bibliotherapy research; emotional factors in learning; mental hygiene; counseling; psychotherapy; personal adjustment and self concept. Publ: Psychology of personal adjustment, Wiley, 60; Understanding personality, Houghton, 65; Psychology in action, Macmillan, 67. Address: Dept. of Psychology, University of Missouri, 213 McAlester, Columbia, Mo. 65201.

MacKINNEY, DR. GEORGE W(ESLEY), JR, b. Amigo, W.Va, May 27, 22; m. 41; c. 3. ECONOMICS. A.B., Berea Col, 42; DuPont fel. & M.A., Virginia, 47, Ph.D.(econ), 49. Financial economist, Fed. Reserve Bank Richmond, 48-58, asst. v. pres. pub. info, 58-60; asst. v. pres. ECON., IRVING TRUST CO, 60-61, V.PRES., 61- C.Eng., U.S.A., 42-46, Capt. Fel. Nat. Asn. Bus. Econ. (pres, 65-66); Econ. Asn. Monetary policy; fiscal policy; money and banking; international trade. Publ: The federal reserve discount window, Rutgers, 60; co-auth., How business economists forecast, Prentice-Hall, 62 & The bankers handbook, Irwin, 66. Address: 424 Upper Mountain Ave, Upper Montclair, N.J. 07043.

MacKINNEY, PROF. J(OHN) C(LIFFORD), b. Velasco, Tex, May 11, 20; m. 51; c. 3. SOCIOLOGY. A.B., Colo. State Col, 46, M.A., 47; Ph.D.(sociol.), Mich. State, 53. Instr. soc. sci., Mich. State, 47-54, asst. prof. soc. sci. & sociol., 54-55, assoc. prof. sociol. & anthropol., 55-57; PROF. SOCIOLOGY & CHMN. DEPT. SOCIOLOGY & ANTHROPOLOGY, DUKE, 57-, PROF. MED. SOCIOLOGY, DEPT. PSYCHIATRY, 66- U.S.A., 41-55, Capt. Fel. Sociol. Asn.; fel. Geront. Soc.; Soc. Study Social Probs. Sociological theory; occupations and professions; social organization. Publ: Co-auth., Introduction to social research; auth., Methodological convergence, Am. J. Sociol.; Sociology of knowledge, Soc. Forces. Address: Dept. of Sociology & Anthropology, Duke University, Durham, N.C. 27706.

MacKINNEY, DR. JOHN PAUL, b. Royal Oak, Mich, Feb. 19, 35; m. 62; c. 3. PSYCHOLOGY. A.B., Detroit, 56; M.A., Fordham, 58; Syracuse, 57-59; Ph.D. (psychol.), Ohio State, 61. Psychologist, State Sch. Retarded, Ohio, 60-61; Nat. Inst. Ment. Health fel. & lectr. PSYCHOL., McGill, 61-63; asst. prof., Smith Col, 63-66; ASSOC. PROF., MICH. STATE, 66- AAAS; Am. Psychol. Asn.; Soc. Res. Child Develop.; Can. Psychol. Asn. Perceptual development in childhood; social development in adolescence. Publ: A multidimensional study of the behavior of severely retarded boys, Child Develop, 33: 923-938; Disappearance of luminous designs, Science, 140: 403-404; Verbal meaning and perceptual stability, Can. J. Psychol., 20: 237-242. Address: 6196 Skyline Dr, East Lansing, Mich. 48823.

MacKINNEY, PROF. ROBERT L, b. Bolivar, Mo, Feb. 22, 30; m. 51; c. 1. PSYCHOLOGY. A.B., William Jewell Col, 52; B.D., South. Baptist Theol. Sem, 58; Washington (St. Louis), 59-62; Kansas City Regional Coun. Higher Ed. grant, summer 67. Pastor, Mo. Baptist Church, 51-54; LaSalle Baptist Church, Mo, 54-57; North Benson Baptist Church, Ky, 57-59; prof. PSYCHOL., St. Louis Baptist Col, 59-62; ASSOC. PROF. & CHMN. DEPT. WILLIAM JEWELL COL, 62- Psychol. Asn.; The relationship of personality

factors to religious experiences and behavior; interpersonal aspects of frustration; autonomic responses to frustration as functions of perceptual sets. Address: Dept. of Psychology, William Jewell College, Liberty, Mo. 64068.

MacKINNEY, DR. T. HARRY, b. Oklahoma City, Okla, Aug. 20, 25; m. 49; c. 6. ECONOMICS. B.S., Southern California, 45; M.B.A., Oklahoma, 49, Ph.D. (econ), 55. Asst. prof. acct., Oklahoma, 55-57; econ, MICH. STATE, 57-59, ASSOC. PROF., 59-63, soc. sci., 63-66, ECON., JUSTIN MORRILL COL, 66-, asst. to dean univ. serv., 57-61, asst. to pres. univ., 61-62. Exec. asst., Mich. Coun. State Col. Pres., 62-63. U.S.N., 43-46, Ens. Econ. Asn.; Acct. Asn. Institutional research related to colleges and universities. Publ: Teaching social science: a three-pronged approach, Liberal Ed, 12/67. Address: Dept. of Economics, Justin Morrill College, Michigan State University, East Lansing, Mich. 48823.

MacKINNEY, DEAN T(HEOPHILUS) E(LISHA), Polit. Sci., see 10th ed, Soc. & Behav. Vols, deceased.

MacKINNEY, DR. THEOPHILUS ELISHA, JR, b. Charlotte, N.C., Jan. 20, 33; m. 57; c. 4. POLITICAL SCIENCE. A.B., Bowdoin Col, 54; Danforth fel., Fletcher Sch. Law, 54-59, A.M., 55, M.A.L.D., 57, Ph.D.(world polit), 63; Fulbright scholar, Rangoon, 58-59. Instr. govt., Carver Col, 55-56; Tufts, 56-58; lectr. polit., Rangoon, 58-59; assoc. prof. polit. sci., Florida Agr. & Mech., 59-61; prof. & chmn. dept., Southern Univ., 61-65; EXEC. ASSOC. ED. & WORLD AFFAIRS, 65-, EXEC. SECY. INTER-CULTURAL ED. PROG. & CONSULT. SERV., 67- Danforth teaching fel., 59-, mem. nat. reading cmt., 61-62; Marian lectr., Marian Col.(Ind), 67. Consult., American Univ. Cairo; center African students, Lincoln Univ.(Pa), 59-62; U.S. Dept. Commerce, Stillman Col. Bd. Trustees, South. Regional Coun. Am. Teachers Asn. & Am. Polit. Sci. Asn., 63-66; Democratic Nat. Cmt., Twentieth Ind. Teacher Ed. Workshop, Dept. Health, Ed. & Welfare & bd. nat. missions, United Presby. Church, 65-68. U.S.A.R., 54-55, Lt. Polit. Sci. Asn.; Asn. Higher Ed.; Int. Studies Asn.; Burma Res. Soc. World politics; political theory; foreign policies; educational administration; social change; intercultural affairs; East Asia, Southeast Asia; Middle East, Africa and Latin America; American government and public administration. Publ: Burma's foreign policy of neutralism, Phylon, 3/64; A study of independence, Am. Polit. Sci. Rev., 6/64; Neutralism, J. Polit., 6/64. Address: 47 Belding Ave, White Plains, N.Y. 10603.

MacKINNEY, DR. WILLIAM M(ARK), b. Spring Valley, N.Y., Dec. 26, 23; m. 51; c. 1. GEOGRAPHY. B.A., New Sch. Soc. Res., 48; M.A., Florida, 49, Ph.D. (geog), 58; Washington State, 49-52. Surv. consult., State Dept. Pub. Health, Ga, 53-58; instr. soc. sci., Ga. State Col, 55-56; GEOG., South. Oregon Col, 58-59, asst. prof., 59-63; WIS. STATE, 63-65, assoc. prof., 65-68, PROF., 68- Asn. Am. Geog.; Nat. Coun. Geog. Ed. Maps, globes and graphics in astronomical geography, history of geography; climatology; Publ: The globe and its uses, In: The teaching of geography; Geography via use of the globe, Monograph; The stereographic projection as a nomogram, In: The professional geographer, 65. Address: Dept. of Geography, Wisconsin State University, Stevens Point, Wis. 54481.

MacKINNON, PROF. DONALD W(ALLACE), b. Augusta, Maine, Jan. 9, 03; m. 28; c. 2. PSYCHOLOGY. A.B., Bowdoin Col, 25; M.A., Harvard, 26, Ph.D.(psychol.), 33; Sheldon traveling fel., Berlin, 30-31. From assoc. to PROF. PSYCHOL., Bryn Mawr Col, 33-47; CALIFORNIA, BERKELEY, 47-, DIR. INST. PERSONALITY ASSESSMENT & RES, 49- Dir. assessment staff, Off. Strategic Serv., 44-46; vis. lectr., Harvard, 55. Mem. standing cmt. on res. Ed. Testing Serv., 57-63; ment. health training cmt., Nat. Inst. Ment. Health, 62-65, nat. health training cmt., 67-68; adv. res. bd., Nat. Merit Scholar. Corp., 62-65. AAAS; fel. Psychol. Asn.(Richardson creativity award, 67). Personality structure and dynamics; motivation; creativity. Publ: Co-auth., Assessment of men & Experimental studies in psychodynamics. Address: Dept. of Psychology, University of California, Berkeley, Calif. 94720.

MacKINNON, DR. GEORGE E, b. Ft. William, Ont, Aug. 14, 37. PSYCHOLOGY. B.A., Queen's (Ont), 59; Ph.D.(psychol.), Hopkins, 64. ASST. PROF. PSYCHOL., WATERLOO, 63- Am. Psychol. Asn.; Can. Psychol. Asn. Experimental psychology; perception; psychophysics; perceptual learning. Publ: Co-auth., Autokinetic movement: selective manipulation of directional components by image stabilization, Science, 63. Address: Dept. of Psychology, University of Waterloo, Waterloo, Ont, Can.

MacKINNON, DR. JOHN ROSS, b. Inverness, N.S., Apr. 7, 34; m. 63; c. 1. PSYCHOLOGY. B.A., Sir George Williams, 60; M.A., Toronto, 62, fel. 63-65, Ph.D.(psychol.), 65. ASST. PROF. PSYCHOL., CONN. COL, 65- AAAS; Am. Psychol. Asn.; Can. Psychol. Asn. Parameters assumed to determine behavioral persistence in infra-human subjects. Publ: Co-auth., Partial reinforcement effects within subject and between subjects, Psychol. Monogr, 66; auth., Interactive effects of the two rewards in a differential magnitude, J. Exp. Psychol., 67; An inverse performance pattern in a discrimination based on differential magnitudes of reward, Psychonomic Sci, 67. Address: Dept. of Psychology, Connecticut College, New London, Conn. 06320.

MacKINNON, PROF. KATHERN M, b. Minneapolis, Minn, Nov. 15, 07. PSYCHOLOGY. B.A., Minnesota, 30; Ph.D., Columbia, 40. Dir. counseling servs., Newton Pub. Schs., 42-47; asst. prof. PSYCHOL., Mich. State Col, 47-48; ASSOC. PROF., HUNTER COL, 49- Lectr., Harvard, 44-47. Consult., Vet. Admin. Hosp., Ft. Custer, Mich., 47-48; res. consult., inst. direct anal. sch. psychiat., Temple, 57-59. Dipl. Am. Bd. Exam. Prfnl. Psychol. AAAS; Psychol. Asn.; Orthopsychiat. Asn. Psychotherapy; psychoanalysis. Publ: Consistency and change in behavior manifestations, Child Develop. Monogr; Clinical evaluation of the method of direct analysis in the treatment of psychosis, J. Clin. Psychol. Address: 130 E. 75th St, New York, N.Y. 10021.

MacKINNON, PROF. WILLIAM J(OHN), b. Medford, Mass, Jan. 29, 18; m. 49. PSYCHOLOGY. B.A., California, Los Angeles, 42, M.A., 49, Ph.D.(psychol.), 55. Instr. PSYCHOL., California, Los Angeles, 55-56; ARIZONA, 56-57, asst. prof., 57-61, assoc. prof., 61-67, PROF., 67- Psychol. Asn.; Sociol. Asn;

Philos. Asn. Psychosocial evolution; group decision. Publ: Table for both the sign test and distribution-free confidence intervals of the median for sample sizes to 1000, *J. Am. Statist. Asn.* 9/64; Development of the SPAN technique for making decisions in human groups, *Am. Behav. Scientist*, 5/66. Address: Dept. of Psychology, University of Arizona, Tucson, Ariz. 85721.

McKINSEY, PROF. J(AMES) WENDELL, b. Audrain Co, Mo, Mar. 6, 17; m. 41; c. 3. AGRICULTURAL ECONOMICS. B.S. Missouri, 41, M.S. 49; Sears Roebuck Found. fel, Chicago, 51-52. Instr. voc. agr. high sch, Mo. 41-42; instr. AGR. ECON. MISSOURI, 47-50, asst. prof. 50-52, assoc. prof. 53-55, PROF. 55-, CHIEF PARTY, UNIV. PROG. INDIA, 64-, chmn. dept. agr. econ. univ. 60-64. U.S.A., 42-46. Agr. Econ. Asn. Cotton and grain marketing. Publ: Frozen food locker industry in Missouri. Address: 200 Mumford Hall, University of Missouri, Columbia, Mo. 65201.

McKINSEY, DR. J(OHN) P(AUL), b. Delaware, Ohio, Oct. 22, 03. SOCIOLOGY. A.B. Westminster Col.(Mo), 26; A.M. Missouri, 28, Ph.D. 40; fel. Wisconsin, 29-30. Instr. Oklahoma, 28-29; Missouri, 30-33; adminstr. Fed. Emergency Relief Admin, 33-39; assoc. prof. sociol. & chmn. dept. Cent. Col. (Mo), 40-43; from asst. prof. to assoc. prof. Southern Methodist, 47-59; DIR. ST. JUDES HOUSE, 59- Regional wage analyst, U.S. Bur. Labor Statist, 43-47. Sociol. Asn. Transient men in Missouri. Address: 4235 North West Highway, Dallas, Tex. 75220.

McKINSTRY, PROF. RICHARD H, b. Rochester, N.Y., Aug. 13, 26; m. 51; c. 3. PSYCHOLOGY. B.A. Alfred, 50, M.A. 51. Training & testing supvr, West. Elec. Corp. 51-56; ASST. PROF. PSYCHOL. PA. STATE, 56- Instr. grad. sch, Alfred, 55-56. U.S.A., 44-46. Mental health; counseling; tests. Address: Dept. of Psychology, Pennsylvania State University, Hazleton, Pa. 18201.

McKINSTRY, DR. WILLIAM J(OHN), b. Chicago, Ill, July 23, 21; m. 48; c. 2. ECONOMICS. B.A. Mich. State, 43; M.A. Columbia, 47; Rabinowitz fel, Yale, 54-55, Ph.D. 60. Instr. ECON. Mich. State, 47-49; Yale, 40-54; asst. prof. Wesleyan, 55-57; MIAMI (OHIO), 57-60, ASSOC. PROF. 60-, CHMN. DEPT. 66- U.S.N.R. 43-46, Lt. Econ. Asn; Acad. Polit. & Soc. Sci; Finance Asn. Public finance; international economics. Publ: Economic ideology and economic policy, Christianity & Society. Address: Dept. of Economics, Miami University, Oxford, Ohio 45056.

MACKINTOSH, PROF. N(ICHOLAS) J(OHN), b. London, Eng, July 9, 35; m. 60; c. 2. PSYCHOLOGY. B.A. Oxford, 60, Ph.D.(psychol), 63. Lectr. PSYCHOL. Oxford, 64-67; RES. PROF. DALHOUSIE, 67- Vis. lectr. Univ. Pennsylvania, 65-66. Brit. Army, 53-55, 2nd Lt. Brit. Exp. Psychol. Soc. Discrimination learning in animals; comparative psychology of learning. Publ: Comparative psychology of reversal and probability learning, 68 & co-auth. Animal discrimination learning, 69, Academic; auth. Selective attention in animal discrimination learning, *Psychol. Bull.*, 64: 125-152. Address: Dept. of Psychology, Dalhousie University, Halifax, N.S. Can.

MACKINTOSH, DR. W(ILLIAM) A(RCHIBALD), b. Madoc, Ont, May 21, 95; m. 28; c. 1. ECONOMICS. M.A. Queen's (Ont), 18; Ph.D. Harvard, 22; LL.D. Manitoba, 42, Laval, 52, Brown, 53, St. Andrews, 53, St. Francis Xavier (Can), 53, Toronto, 54, British Columbia, 57, Saskatchewan, 59, McGill, 61; D.C.L. Durham, 53. Sir John A. MacDonald prof. polit. & econ. sci. Queen's (Ont), 27-51, dean faculty arts, 46-51, v.prin. 47-51, prin. 51-61, chancellor, 51-65; RETIRED. Spec. asst. to Dep. Minister Finance, Can, 39-44, acting Dep. Minister Finance, 45; dir. gen. Dept. Reconstruct, 44-46; dir. Bank of Can, 64- Can. Coun. Medal, 60. Am. Econ. Asn; Royal Soc. Can. (Innis-Gerin medal, 67); Can. Econ. Asn.(pres. Can. Polit. Sci. Asn. 36). Economic history; agricultural cooperation in western Canada; economic problems of the prairie provinces. Address: 235 Alwington Place, Kingston, Ont. Can.

McKITRICK, DR. KEITH G(AWAIN), b. South Bend, Ind, Feb. 12, 21; m. 46; c. 2. PSYCHOLOGY. A.B. Michigan, 49; M.A. Mich. State, 52; Ph.D. Cincinnati, 60. PSYCHOLOGIST, Dept. Soc. Welfare, Mich, 55-58; Univ. Cincinnati, 58-62; UNIV. SOUTH FLORIDA, 62- U.S. Pub. Health Serv. res. grant, 60-62; lectr. Xavier (Ohio). Consult, Hamilton County Juvenile Court Clin, Ohio, 59-62; indust. consult, Cohen & Assocs, 60-62; consult, Assoc. Psychol. Serv, Tampa, 63- U.S.A., 42-46. Psychol. Asn. Clinical psychology; individual and group psychotherapy. Publ: Bodily activity and perceptual activity, *Perceptual & Motor Skills*, 65. Address: Dept. of Psychology, University of South Florida, Tampa, Fla. 33620.

MACKLER, DR. BERNARD, b. New York, N.Y., July 2, 34; m. 60; c. 2. PSYCHOLOGY. B.A. Queens Col, 56; M.S. City Col. New York, 58; Ph.D.(clin. psychol), 63; Alfred Adler Inst, 66. Res. asst. bur. child res, Kansas, 58-59; res. dir. Kans. Neurol. Inst, 61-63; ASSOC. PROF. PSYCHOL. & ED. TEACHERS COL. COLUMBIA, 63-; ASST. DIR. CENTER URBAN ED, N.Y., 65- Psychol. intern aid trainee, Vet. Admin, 59-61; faculty grant, Teachers Col, Columbia, 63-64; U.S. Welfare Admin. grant, 64-67. Psychol. Asn; Sociol. Asn. Social and personal problems. Publ: Co-auth. The urban R's, Praeger, 67; auth. Philippe Pinel liberator of the insane, Watts, 68. Address: Teachers College, Columbia University, 525 W. 120th St, New York, N.Y. 10027.

MACKLIN, DR. BARBARA JUNE, b. Bryant, Ind, June 8, 25. ANTHROPOLOGY. B.S. Purdue, 46; M.S. Chicago, 53; Alfred M. Greenfield fel, Pennsylvania, 53-55, univ. fel, 55-56, Ph.D.(anthrop), 63; fel. Manchester, 58-59. Teacher, high sch, Ind, 46-48; staff mem. Nat. Conf. Christians & Jews, Inc, 51-53; instr. SOCIOL. & ANTHROP. CONN. COL., 56-58 & 59-63, asst. prof. 63-67, ASSOC. PROF. 67- Nat. Inst. Ment. Health res. grants, 65-66 & 67-68. Fel. Anthropol. Asn; Sociol. Soc. Medical anthropology, especially in Mexico and Latin America; social and cultural change; Americans of Mexican descent living in the United States. Publ: Culture change, In: Review of sociology; analysis of a decade, Wiley, 57; Cultural change and structural stability in a Mexican-American community, Univ. Microfilms, 64; El niño Fidencio: un estudio del curanderismo en Nuevo Leon, In: Anuario Humanitas 1967, Univ. Nuevo Leon, 67. Address: Dept. of Sociology, Connecticut College, New London, Conn. 06320.

McKNIGHT, DR. A. JAMES, b. Providence, R.I., June 1, 30; m. 55; c. 3. PSYCHOLOGY. B.A. Brown, 52; M.A. Minnesota, 55, Ph.D. 58. Personnel adminstr. Minnesota, 53-57; instr. psychol. Macalester Col, 57; res. assoc. HUMAN FACTORS, HUMRRO, GEORGE WASHINGTON, 57-58, res. scientist, 58-61, sr. scientist, 61-66, SR. STAFF SCIENTIST, 66- Consult, hwy. res. bd, Nat. Acad. Sci, 64. U.S.N.R. 48-56. Psychol. Asn; Human Factors Soc. Human factors analysis of man-machine systems; human learning and training; personnel measurement and selection. Publ: Methods and devices for teaching data flow, 62, co-auth. Identification of electronics maintenance, 64 & An experimental evaluation of a driver simulator for safety training, 66, HUMRRO. Address: Human Resource Research Office, 300 N. Washington St, Alexandria, Va. 22314.

McKNIGHT, JOHN, b. New York, N.Y., May 20, 15; m. 43; c. 1. ECONOMICS. B.S.S. City Col. New York, 39; A.M. Columbia, 47. Statistician, Associated Press, 47; instr. money & banking, univ. col. Rutgers, 48-50; sr. analyst finance, Economet. Inst, Inc, 49-51, dir. spec. studies, 51, exec. v-pres, 56-63, Economet. Specialists, Inc, 52-63; ECON. CONSULT, 63- U.S.A.A.F., 42-46. Econ. Asn; Economet Soc; Statist. Asn. Business forecasting; demand analysis; monetary economics. Address: 16 Beechwood Lane, Scarsdale, N.Y. 10583.

McKNIGHT, DR. ROBERT K(ELLOGG), b. Sendai, Japan, Jan. 10, 24; U.S. citizen; m. 47; c. 2. ANTHROPOLOGY. B.A. Miami(Ohio), 51; M.A. Ohio State, 54, Ph.D.(anthrop), 60. Dist. anthropologist, Palau Dist. Admin, Trust Territory Pac. Islands, U.S. Dept. Interior, 58-63, community develop. officer, high cmnr. staff, 63-65; ASSOC. PROF. ANTHROP. Wisconsin, Milwaukee, 65-66; CALIF. STATE COL. HAYWARD, 66- Consult, small power cmt, Vols. Int. Tech. Assistance, Inc, 65- U.S.A., 43-46, 51-52, 1st Lt. Anthrop. Asn; Soc. Int. Develop; Soc. Appl. Anthropol; Ethnol. Soc. Study of culture change; theoretical interest in adaptive model of culture; practical interest in methodology of community development. Publ: Co-auth. In search of identity: the Japanese overseas student in America, Univ. Minnesota, 58. Address: Geography-Anthropology Dept, California State College at Hayward, Hayward, Calif. 94542.

McKNIGHT, PROF. TOM, b. Dallas, Tex, Oct. 8, 28; m. 53; c. 2. GEOGRAPHY. B.A. Southern Methodist, 49; M.A. Colorado, 51; Ph.D.(geog), Wisconsin, 55. Instr. exten. div. Colorado, 50; GEOG. Southern Methodist, 53-55; Texas, 55-56; asst. prof. CALIFORNIA, LOS ANGELES, 56-62, assoc. prof. 62-67, PROF. 67- Vis. lectr. Michigan, 60; Adelaide, 62, 66; New England, Australia, 66; summers, Colorado, 55, 64, Alberta, 56, Mont. State Col, 59, Idaho, 65. Asn. Am. Geog. Soc. Can. Asn. Geog. Soc. Royal Can. Geog. Soc. Inst. Australian Geog. N.Z. Geog. Soc. Geography of manufacturing; feral livestock; conservation. Publ: Manufacturing in Arizona, 62 & Feral livestock in Anglo-America, Univ. California, 64; co-auth. Regional geography of Anglo-America, Prentice-Hall, 64. Address: Dept. of Geography, University of California, Los Angeles, Calif. 90024.

McKOWN, DR. LOUIS NORMAN, b. San Francisco, Calif, Nov. 10, 27; m. 48; c. 5. SOCIAL PSYCHOLOGY, COMMUNICATIONS. A.B. Stanford, 51, fel, 53-54, Ph.D.(sociol), 58. Instr. sociol, Stanford, 55-56, res. assoc. commun. & journalism, 56-58; soc. psychologist, Ore. State Hosp, 58-59; res. dir. Warm Springs res. proj. OREGON STATE, 59-62, DIR. INSTNL. RES, 61- Res. consult, Ore. State Pub. Welfare Cmn, 59-60; Ore. State Hosp, 61-62. U.S.A., 45-46. Attitude measurement; theories and models of communication; organization of scientific research. Address: C110, Oregon State University, Corvallis, Ore. 97331.

McKUSICK, DR. MARSHALL B(ASSFORD), b. Minneapolis, Minn, Jan. 13, 30; m. 54; c. 1. ANTHROPOLOGY, ARCHAEOLOGY. B.A. Minnesota, 52, M.A., 54; Ph.D.(anthrop), Yale, 60. Lectr. anthrop. & res. archaeologist, California, Los Angeles, 58-60; asst. prof. anthrop. & state archaeologist, IOWA, 60-64, ASSOC. PROF. ANTHROP, 64- Hamlin Garland award, 65. Anthropol. Asn. Field work in the lesser Antilles, coastal California and southwest Utah; Iowa archaeology. Publ: Men of ancient Iowa, Iowa State Univ, 64. Address: Dept. of Sociology & Anthropology, University of Iowa, Iowa City, Iowa 52240.

MACKWORTH, DR. JANE FELICITY, b. Melbourne, Australia, Sept. 15, 17; Can. citizen; m. 41; c. 3. PSYCHOLOGY. B.A. Cambridge, 40, Goldsmith Col. fel, 40-41, Ph.D.(biochem), 45, M.B. B.Ch, 54. Researcher biochem, Sir William Dunn Inst. Biochem, Cambridge, Eng, 40-42; inst. human nutrit, Med. Res. Coun. Eng, 44-45, sci. officer, appl. psychol. res. unit, 55-58; Defense Res. Med. Labs, Ont, 60-65; scholar, psychol. Radcliffe Inst, Mass, 66- Psychonomic Soc; Can. Psychol. Asn. Applied psychology, multi-channel visual presentations, eye movements; immediate memory, vigilance. Publ: The duration of the visual image, 17: 62-81, Performance decrement in vigilance, threshold determinations and high speed perceptual motor tasks, 18: 209-223 & Perceptual coding as a factor in short-term memory, 20:18, Can. J. Psychol. Address: 16232 Camellia Terr, Los Gatos, Calif. 95030.

MacLACHLAN, DR. BRUCE BIRGE, b. Cambridge, Mass, May 26, 35; m. 57; c. 3. ANTHROPOLOGY. A.B. Chicago, 54, M.A., 55, Ph.D.(anthrop), 62. ASST. PROF. ANTHROP, Wyoming, 62-64; SOUTHERN ILLINOIS, 64- Am. Coun. Ed. internship acad. admin, 66-67. Army Nat. Guard, 58-; U.S.A.R., 58-, 1st Lt. Fel. AAAS; fel. Anthropol. Asn; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland; Ethnol. Soc. Social structure and primitive law; modernization of tribal legal systems. Publ: Communities of societal Indians in Canada, Anthropologica, 58; On Indian justice, Plains Anthropologist, 63; The Mescalero Apache quest for law and order, *J. West*, 10/64. Address: Dept. of Anthropology, Southern Illinois University, Carbondale, Ill. 62901.

McLAIN, DR. CHARLES WILLIAM, b. Colorado Springs, Colo, Feb. 14, 98; m. 22; c. 3. EDUCATIONAL PSYCHOLOGY. B.S. Colo. Agr. & Mech. Col, 21, M.S., 29; Ed.D. Colo. State Col, 53. Instr. high sch, 21-23; supt. and instr. 23-28; prin. 29-30; asst. dean & suvr. Inst, Ft. Lewis Sch. Colo. Agr. & Mech. Col, 30-48, acting dean & suvr. col. farm & exp. sta, Ft. Lewis Agr. & Mech. Col, 48-49, v-pres, 49-50; from asst. prof. to prof. ed. psychol. & guid, Colo. State Col, 50-63; CONSULT, 64- Vis. prof. Colo. Col,

63-66. U.S.A. 17-19; U.S.N. 43-46. Personnel & Guid. Asn. Address: 1735 Fairacres Dr, Greeley, Colo. 80631.

McLAIN, DR. JAMES M (ARION), b. Atlanta, Ga, May 16, 13; m. 36; c. 2. ECONOMICS. B.A. Akron, 40; M.A. Western Reserve, 42; Ph.D. Ohio State, 59. Asst. sociol. Western Reserve, 41-42; instr. soc. psychol. AKRON, 46, ECON, 47-50, ASST. PROF. 52- Instr. Ohio State, 51-52. U.S.A. 43-47, Capt. Econ. Asn; Arbit. Asn; Indust. Rels. Res. Asn. Labor relations; price theory. Publ: Workbook in economics; 17 articles in World Book Encyclop, 68. Address: 2192 Coon Rd, Copley, Ohio 44321.

MacLAUCHLAN, DR. F. EDITH, b. Norwich, N.Y. Oct. 1, 95; m. 26; c. 1. PSYCHOLOGY. A.B. Columbia, 16, A.M. 17, Ph.D. (psychol), 20. Asst. & instr. psychol. Columbia, 18-21; psychologist, high sch. N.Y. 21-26; Domestic Rels. Court, 22-28; PRACTICING PSYCHOLOGIST, 58- Psychol. Asn. Mental tests; psychological examinations of college and high school students. Address: 10519 192nd St, Hollis, Long Island, N.Y. 11412.

McLAUGHLIN, DR. BARRY STEPHEN, b. Newark, N.J. Oct. 22, 37; m. 63. SOCIAL PSYCHOLOGY. A.B. St. Louis, 61, M.S. 62; Ph.D. (soc. psychol), Harvard, 66. Lectr. SOC. PSYCHOL, Harvard, 66; ASST. PROF. CALIFORNIA, SANTA CRUZ, 66- Nat. Sci. Found. res. fel. 67-69. Psychol. Asn. Incidental social learning; social psychology of social movements; social psychology of public opinion. Publ: Ed. Studies in social movements, Macmillan, 69; auth. Intentional and incidental learning in human subjects, Psychol. Bull, 65. Address: Dept. of Psychology, Stevenson College, University of California, Santa Cruz, Calif. 95060.

McLAUGHLIN, PROF. C (HARLES) H (EMPHILL), b. Little Rock, Ark, Oct. 17, 08. POLITICAL SCIENCE. A.B. Denver, 29, A.M. 34; LL.B. Harvard, 35; Columbia, 39-40. From instr. to PROF. POLIT. SCI, MINNESOTA, MINNEAPOLIS, 36-, dir. center int. rels. & area studies, 48-65, chmn. dept, 61-66. Lectr. Columbia, 46; vis. prof. California, 55-56; Hawaii, 66-67. U.S.A.A.F. 42-46, Capt. Polit. Sci. Asn; Am. Soc. Int. Law; Bar Asn; Acad. Polit. Sci; Int. Law Asn. International law and diplomacy; neutrality; law of treaties. Publ: Co-auth. Historical and genealogical records of the Dovenish families; World politics in transition; auth. The scope of the treaty power in the United States, Minn. Law Rev. 4/58 & 3/59. Address: Dept. of Political Science, University of Minnesota, 1414 Social Science Bldg, Minneapolis, Minn. 55455.

McLAUGHLIN, DR. EDWARD J (AMES), b. Olyphant, Pa, May 14, 21; m. 51; c. 2. CLINICAL PSYCHOLOGY. A.B. Scranton, 43; M.A. Fordham, 48, Ph.D. (clin. psychol), 51. Clin. psychol. trainee, Vet. Admin. 46-50, chief clin. psychologist, Vet. Admin. Hosp, Wilkes-Barre, 50-62; BIOMED. PROG. SPECIALIST, SPACE MED, OFF. MANNED SPACE FLIGHT, NASA. 62- Lectr. Scranton, 54-56; Maryland Col, 56- Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.A.A.F. 43-45. Psychol. Asn. Problem solving; training; psychophysiological research; program management. Address: 9720 Corkran Lane, Bethesda, Md. 20034.

McLAUGHLIN, DR. G (EORGE) HARRY, b. London, Eng, Mar. 20, 29; m. 58; c. 1. PSYCHOLINGUISTICS. B.A. Sheffield, 59; Ph.D. (psychol), London, 66. Sub-ed, various newspapers, 49-52; Int. Pub. Co, Eng, 53-61; lectr. human commun, City Univ, London, 61-67; asst. prof. psychol, York (Ont), 67-68; ASSOC. PROF. COMMUN, SAMUEL I. NEWHOUSE COMMUN. CENTER, SYRACUSE, 68- Lectr. Ont. Col. Art, 67-68. Tech. writing consult, Brit. Rwy, Richard Thomas & Baldwin, Marconi Co. & Brit. Shipping Res. Bd, 61-67. Brit. Army, 47-49, Sgt. Brit. Psychol. Soc. Psycholinguistic principles of presentation of technical information; readability measurement; use of mass media to discourage driving under influence of alcohol; eye-movements in speed reading; development of reasoning. Publ: Psychologic: a possible alternative to Piaget's formulation, Brit. J. Ed. Psychol, 63; Readability measures, In: Third international reading symposium, Cassel, Eng, 68. Address: Samuel I. Newhouse Communications Center, Syracuse University, Syracuse, N.Y. 13210.

McLAUGHLIN, DR. GLENN E (VERETT), b. Prague, Okla, July 4, 04; m. 29; c. 2. INDUSTRIAL ECONOMICS. A.B. Colo. Col, 25, hon. LL.D. 61; M.S. Columbia, 26; A.M. Harvard, 28, Ph.D. 33. From asst. prof. to assoc. prof. Pittsburgh, 29-39; asst. prof. Hunter Col, 39-40; chief indust. location sect, Nat. Resources Planning Bd, 40-43; mem. staff plant disposal div, War Assets Admin, 45-46; chief econ. & resources div, bur. reclamation, U.S. Dept. Interior, 46-48; resources & requirements off, Nat. Security Resources Bd, 48-51; dir. planning staff, Defense Prod. Admin, 51, expansion goals staff, 51-52; ECONOMIST, EXPORT-IMPORT BANK, 52- Am. Econ. Asn; fel. Statist. Asn; Agr. Econ. Asn; Planning Asn; Royal Econ. Soc. Foreign industrial development; iron and steel industry; cartels and producer associations. Publ: Growth of American manufacturing areas; Industrial location and national policy; New industry comes to the South. Address: Export-Import Bank, Washington, D.C. 20571.

McLAUGHLIN, DR. JOHN P (ATRICK), b. New York, N.Y. Apr. 28, 36; m. 59. PSYCHOLOGY. A.B. Fordham, 58, N.Y. State Regents fel. & M.A. 60; Nat. Sci. Found. & N.Y. State Regents fells. & Ph.D. (exp. psychol), N.Y. Univ. 65. ASST. PROF. PSYCHOL, DELAWARE, 64-, Univ. Res. Found. grant, 67-68. U.S.A. 62-64, 1st Lt. AAAS; Psychol. Asn. Verbal learning; attention; visual perception. Publ: The von Restorff effect in serial learning: position of the isolate and length of list, 66 & Recall and recognition measures of the von Restorff effect in serial learning, 68, J. Exp. Psychol; co-auth. Set and the encoding of visual stimuli, Psychonomic Sci, 67. Address: Dept. of Psychology, University of Delaware, Newark, Del. 19711.

McLAUGHLIN, DR. KENNETH FLOYD, Statist, see 10th ed, Soc. & Behav. Vols.

McLAUGHLIN, R (OBERT) L (EO), Econ, see 10th ed, Soc. & Behav. Vols.

McLAUGHLIN, DR. ROGER JAMES, b. Auburn, New York, Sept. 21, 31; m. 54; c. 2. SOCIOLOGY. A.B. Syracuse, 53, M.A. 58, D.S.Sc. (sociol), 66. Asst. dir, off. info. serv, Syracuse, 55-61, res. assoc, 62-63; instr. SOCIOL,

STATE UNIV. N.Y. COL. OSWEGO, 64-65, asst. prof, 66-67, ASSOC. PROF, 67- Summers, State Univ. N.Y. Res. Found. faculty res. grants, 67 & 68. Sociol. Asn. Factors relating to student achievement in college. Address: Dept. of Sociology, State University of New York College at Oswego, Oswego, N.Y. 13126.

McLAUGHLIN, PROF. RUSSELL U (BER), b. Philadelphia, Pa, June 20, 22; m; c. 1. ECONOMICS. B.S. Temple, 47, M.A. 48; Penfield grant & Ph.D. (econ), Pennsylvania, 58. Asst. prof. ECON, DREXEL INST. TECH, 48-58, assoc. prof, 58-62, PROF, 62- Consult, For. Policy Res. Inst, 55; econ. consult. to Dir-Gen, Off. Nat. Planning, Repub. Liberia, 63-64. U.S.A. 43-46. Econ. Asn. Economic development; international economics; monetary theory. Publ: Foreign investment and economic development in Liberia. Praeger, 66; Economics and education, Merrill, 68. Address: 195 Redwood Rd, King of Prussia, Pa. 19406.

McLAUGHLIN, PROF. TED J (OHN), Commun, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

McLAURIN, DR. WILLIAM ARTHUR, b. Barnesboro, Pa, July 30, 12; m. 53. EXPERIMENTAL PSYCHOLOGY. B.S. Pa. State, 40; M.S. Temple, 52; Nat. Sci. Found. coop. fel. Fla. State, 62, Nat. Insts. Health res. grant, 63, Ph.D. (psychol), 63. Schedules engr, Vertol Aircraft Corp, 48-51, engr, div. admin. scheduling & planning, Div. Boeing, 55-59; chief schedules engr, aircraft div, Kaiser Metal Prod, 51-55; res. scientist, Ames Res. Center, NASA, 63-65; scientist & assoc. res. human factors, Lockheed-Ga. Res. Lab, 65-67; ASST. PROF. PSYCHOL, ALABAMA, 67- AAAS; Aerospace Med. Asn; Psychol. Asn; Human Factors Soc; Psychonomic Soc. Development and evaluation of an automated, comprehensive human performance assessment system for selection and classification; assessment of aptitudes of educationally deprived and the performance effects of adverse environments. Publ: Co-auth. Delay of post-irradiation test fluids: a factor in saccharin avoidance behavior, Radiation Res. 22: 34-52. Effects of adrenalin or insulin on the performance of resting and working subjects, Aerospace Med. 36: 1181-1186 & Perceptual-psychomotor tests in aircrew selection: historical review and advanced concepts, PRL-TR-66-4, Air Force Sys. Command, Lackland Air Force Base, 66. Address: Dept. of Psychology, College of General Studies, University of Alabama, 720 S. 20th St, Birmingham, Ala. 35233.

MACLAY, DR. HOWARD, b. Des Plaines, Ill, Oct. 17, 27; m. 50; c. 2. LINGUISTICS. A.B. Chicago, 50; M.A. New Mexico, 53, Ph.D. (anthrop), 56. Instr. anthrop. Oklahoma, 55; Soc. Sci. Res. Coun. fel. Harvard, 55-56; res. assoc. INST. COMMUN. RES. ILLINOIS. URBANA, 56-57, res. asst. prof. 57-60, RES. ASSOC. PROF, 60-, DIR. 65- U.S.A. 46-47. Anthrop. Asn; Ling. Soc. Psycholinguistics; human communication. Publ: Experimental study of language and non-linguistic behavior, Southwest. J. Anthropol; Descriptive approach to communication, In: Decisions, values and groups. Vol. II & co-auth. Two variables affecting the message in communication. Vol. I. Address: Institute of Communications Research, Gregory Hall, University of Illinois, Urbana, Ill. 61801.

MacLEAN, ANGUS G (RANT), b. Hove, Eng, Feb. 4, 19; nat; m. 41; c. 3. PSYCHOLOGY. B.A. Oxford, 44, M.A. 47; Southern California, 47-52. Statist. coordinator, Calif. Testing Bur, 52-60; sr. applications analyst, computer div, Clary Corp, 60-61, 62-63; staff engr, Daniel, Mann, Johnson & Mendenhall & Assocs, Los Angeles, 61-62; INDEPENDENT CONSULT. PSYCHOL, 63- Consult, Los Angeles Civil Serv. Cmn, Los Angeles County Schs. & Riverside-Imperial County Schs, 59- R.A.F. 40-41. Statist. Asn; Psychometric Soc; Asn. Comput. Mach. Multivariate analysis; psychometric methods. Publ: Properties of the item score matrix, Psychometrika; co-auth. A procedure for analyzing a test and maximizing its reliability, J. Exp. Ed: Some computational short-cuts in the development and analysis of tests, J. Appl. Psychol. Address: 226 Hampden Terr, Alhambra, Calif. 91801.

McLEAN, DR. JOSEPH E, b. Scranton, Pa, July 10, 15. POLITICAL SCIENCE. A.B. Lafayette Col, 37; Hayden scholar, N.Y. Univ, 38-40, Ph.D. 42. Secy. cmt. pub. admin, Soc. Sci. Res. Coun, 41-43; res. assoc. univ. surv. & lectr. polit, Princeton, 46-49, asst. prof. polit, 49-50, assoc. prof. pub. & internal affairs, Woodrow Wilson Sch. Pub. & Int. Affairs, 50-55; cmnr. N.J. Dept. Conserv. & Econ. Develop, 54-58; head, N.Y. Univ-Int. Coop. Admin. Group, Ankara, Turkey, 58-59; mem. sr. staff, Brookings Instn, 59-60; chief exec, Wakefern Food Corp, 60-62; spec. asst. to chancellor, East West Center, Univ. Hawaii, 63-65; dir. int. studies, Inst. Pub. Admin, N.Y. 65-66; CONSULT. MGT. & URBAN AFFAIRS, 66-; VIS. PROF. URBAN AFFAIRS & DIR. URBAN AFFAIRS, GRAD. SCH, PITTSBURGH, 67- Staff consult, Cmt. Econ. Develop; exec. dir. surv. field off, U.S. Dept. Interior, 50; staff dir, Med. Col. Cmn, N.J., 49-51; mem. Proj. E. River, New York & D.C., 53-55; Selection Cmt. Rockefeller Pub. Serv. Awards, Princeton, 54- U.S.N.R. 43-46, Lt. Polit. Sci. Asn; Soc. Pub. Admin. Public administration, affairs, politics and finance; local government. Publ: Biography of Supreme Court Justice William Rufus Day; Ed. & co-auth. The public service and university education, Princeton, 49; auth. State & local government, Holt, 53. Address: 11 Ellsworth Terr, Pittsburgh, Pa. 15213.

MacLEAN, DR. MALCOLM SHAW, JR, b. St. Paul, Minn, June 28, 20; m. 48; c. 2. MASS COMMUNICATION. B.A. Minnesota, 47, M.A. 49; Ph.D. (commun), Wisconsin, 54. Res. analyst commun, journalism res. div, Minnesota, 48-50; from instr. to asst. prof. journalism, Wisconsin, 50-56; assoc. prof. commun, Mich. State, 56-62, prof, 62-64, acting dir. commun. res. center, 61-64; Gallup prof. mass commun, sch. Journalism, IOWA, 64-68; DIR. SCH, 67- Consult, Northwest. Mutual Life Ins. Co, 53-56; modern lang. audio visual res. proj, Wayne State, 60- Asn. Pub. Opinion Res; fel. Sociol. Asn; Statist. Asn; Soc. Study Commun; Asn. Ed. Journalism. Appeals and understandability of pictorial messages; prediction of attention to television programs. Publ: Co-auth. Mass media and an informed public, Pub. Opinion Quart, Women's interest in news pictures: Badger Village study, Journalism Quart & Due anni col pubblico cinematografico Rome: Bianco e Nero. Address: School of Journalism, College of Liberal Arts, University of Iowa, Iowa City, Iowa 52240.

- McLEAN, DR. ORISON S(HAFER), b. Jones Mills, Pa, Apr. 6, 22; m. 49; c. 3. PSYCHOLOGY. B.S. Allegheny Col, 43; M.S. Pittsburgh, 47; Ph.D. Kentucky, 52. Chief clin. psychologist, VET. ADMIN. HOSP, Clarksburg, W.Va, 52-58; CLIN. PSYCHOLOGIST, PITTSBURGH, 58- Consult, State Voc. Rehab, W.Va, 52-58; Harrison County Cripple Children Soc, 55- U.S.A, 42-46. AAAS; Psychol. Asn. Clinical psychology. Publ: Co-auth, Psychiatric patient in a G.M. & S. hospital & Index of adjustment and values, J. Consult. Psychol; Wechsler-Bellue scores as predictive measure of learning, J. Clin. Psychol. Address: Veterans Administration Hospital, Leech Farm Rd, Pittsburgh, Pa. 15206.
- McLEAN, PROF. PAUL E, b. Alexis, Ill, July 14, 08; m. 42; c. 1.. EDUCATION. PSYCHOLOGY. B.S. Monmouth Col, 32; M.S. Texas A&I, 50; Ed.D. (ed. psychol), Houston, 61. Teacher, schs, Ill, 34-47; counsr, schs, Mission & Corpus Christi, Tex, 47-53; prin, sch, Corpus Christi, 53-62; PROF. ED. & PSYCHOL. & CHMN. COUNSR. PREP. PROG, TEXAS A&I, 62- Psychol. consult, S.Tex. Community Action Prog, 66- Mem. planning cmt. revision, Tex. Counsr. Training Standards, 64- Eng.C. U.S.A, 42-45. Personnel & Guid. Asn; Nat. Ed. Asn. Analysis of guidance policies, practices and procedures in Texas public schools; administrative and organizational practices in student counseling services in institutions of higher learning. Publ: A study of guidance programs in selected Texas Junior High Schools, Asn. Sec. Sch. Prin, 2/62; The challenge to teacher education, Tex. Sch. Bus. Mag, 64. Address: Dept. of Education & Psychology, Texas A&I University, Box 2009, Kingsville, Tex. 78363.
- McLEAN, DR. ROBERT A, b. Shenango, Pa, July 29, 30; m. 57; c. 2. STATISTICS. MATHEMATICS. B.Sc. Ohio State, 51; M.Sc. Purdue, 57, Ph.D. (math), 65. Statistician, Union Carbide Nuclear Co, 57-59; qual. control engr, semi-conductor div, Motorola, Inc, 59-61; reliability & qual. control mgr, West. Connector Div, Amphenol-Borg Electronics, 61-62; instr. STATIST. Purdue, 62-65; asst. prof, TENNESSEE, 65-66, ASSOC. PROF, 66- Consult, Bayer & McElrath Inc, 65- U.S.A, 53-55. Statist. Asn. Applied probability and statistics. Publ: Co-auth, Externe vertices design of mixture experiments, Technometrics, 8/66 & The integral of a step function defined on a semi-Markov process, J. Appl. Math, 5/67. Address: Dept. of Statistics, University of Tennessee, Knoxville, Tenn. 37916.
- McLEMORE, DR. SAMUEL DALE, b. Beaumont, Tex, Oct. 12, 28; m. 54; c. 2. SOCIOLOGY. B.S. Texas. Austin, 52, M.A. 56; Ph.D.(sociol), Yale, 61. Teacher, sec. schs, Tex, 52-55; asst. prof. SOCIOL, med. br, Texas, 59-61; from asst. to ASSOC. PROF, TEXAS, AUSTIN, 61- U.S.M.C., 46-48. Sociol. Asn. Social science research methods; racial and ethnic relations; medical sociology. Publ: Co-auth, A statistical profile of the Spanish surname population of Texas, Bur. Bus. Res. Univ. Texas, 64, Sociological measurement: an inventory of scales and indices, Chandler Pub, 67 & Role change and socialization in nursing, Pac. Sociol. Rev, spring 65. Address: Dept. of Sociology, University of Texas, Austin, Tex. 78712.
- McLENDON, PROF. JONATHAN C(OLLINS), b. Lakeland, Fla, Nov. 6, 19; m. 42; c. 3. SOCIAL SCIENCE. A.B. Georgia, 40; M.A. Minnesota, 46, Ph.D. (soc. sci), 51. Asst. prof. ed, Alabama, 49-52; Duke, 52-54, assoc. prof, 54-60; Northwestern, 60-64; prof. soc. studies ed, Florida Atlantic, 64-66; PROF. SOC. SCI. ED. & CHMN. DEPT, GEORGIA, 66- Summer lectr. Stanford, 54, Puget Sound, 63, New Hampshire, 66, Washington, 68. Consult, sch. systs. & teacher groups of sixteen states, 48-; U.S. Dept. Army Air Force, 42-45. Chmn. submt. standardization terminology in soc. studies, U.S. Off. Ed, 66-67, field reader, Bur. Res, 66-; mem. bd. dirs, Nat. Coun. Soc. Studies, 68- Ed. Res. Asn. Acad. Polit. & Soc. Sci. Curriculum and instruction in social studies; school-society relationships; evaluation of social learning; identification contemporary social trends and issues. Publ: Auth. & co-ed, Readings on elementary social studies, Allyn & Bacon, 65; auth, Social studies in secondary education, 65 & auth. & ed, Social foundations of education: current readings from the behavioral sciences, 66, Macmillan. Address: Dept. of Social Science Education, College of Education, University of Georgia, Athens, Ga. 30601.
- McLENDON, W(ILLIAM) P(ORTER), Econ, see 10th ed, Soc. & Behav. Vols.
- McLENNAN, DR. BARBARA N, b. New York, N.Y. Mar. 25, 40; m. 62; c. 1. POLITICAL SCIENCE. B.A. City Col. New York, 61; Nat. Defense Ed. Act & M.S. Wisconsin, 62, Nat. Defense Ed. Act & All-Univ. fcls. & Ph.D. (polit. sci), 65. ASST. PROF. POLIT. SCI. TEMPLE, 65- Polit. Sci. Asn. Asn. Asian Studies. Publ: Politics and change in Indonesia, In: Politics and social change, Brill, 66; Evolution of concepts of representation in Indonesia, J. Asian & African Studies, 9/66; Evolution of concepts of representation in Burma, J. Southeast Asian Hist, 9/67. Address: Dept. of Political Science, Temple University, Philadelphia, Pa. 19122.
- MacLENNAN, DR. BERYCE W(INIFRED), Soc. & Clin. Psychol, see 10th ed, Soc. & Behav. Vols.
- McLEOD, DR. ALEX(ANDER) N(ORMAN), b. Arcola, Sask, May 6, 11; m. 41; c. 4. ECONOMICS. B.A. Queen's (Can), 33 & 40; M.P.A. Harvard, 46, Ph.D., 49. With civil serv, Off. Auditor Gen, Can, 33-41; personnel officer, E.B. Eddy Co, Que, 41-42; economist, Dept. Finance, Ont, 42-47; Int. Monetary Fund, D.C., 47-55; chief economist, Toronto-Dominion Bank 55-66; GOV. CENT. BANK TRINIDAD & TOBAGO, 66- Littauer fel, Harvard, 45-46, 46-47. Am. Econ. Asn; Am. Finance Asn; Can. Econ. Asn; Royal Econ. Soc. Money and banking; monetary and fiscal policy; international trade; economics of developing economies, particularly application of these ideas in practice in open economies. Publ: Credit expansion in open economy, The Econ. J., 9/62; A critique of the fluctuating-exchange rate policy in Canada, The Bull. C.J. Devine Inst. Finance, 4-6/65; Technical controls over bank deposits in Britain, Oxford Econ. Papers, 7/66. Address: Central Bank of Trinidad & Tobago, P.O. Box 1250, Port-of-Spain, Trinidad, W.I.
- McLEOD, DR. DONALD, b. Jamaica, W.Indies, Mar. 6, 30. ECONOMICS. B.A. Brooklyn Col, 61; M.A. McGill, 63; Earhart Found. fel, Columbia, 62-63, Ph.D.(econ), 65. Civil servant, Acct-Gen. Dept, Govt. of Jamaica, 49-58; ASST. PROF. ECON, TEMPLE, 66- Econ. Asn. Economic theory; monetary economics. Address: Dept. of Economics, School of Business Administration, Temple University, Philadelphia, Pa. 19122.
- McLEOD, DR. HUGH N(ORMAN), b. Wolseley, Sask, Nov. 7, 23; m. 59; c. 1. PSYCHOLOGY. B.A. British Columbia, 46; M.A. Toronto, 48; Ph.D.(psychol), London, 54. Psychologist, Sunnybrook Hosp, Toronto, 48-49; Montreal Gen. Hosp, 49-50; sr. psychologist, Shaughnessy Hosp, Vancouver, 50-51; Ontario Hosp, Kingston, 54-55; Toronto Psychiat. Hosp, 55-64; asst. prof. psychol, SASKATCHEWAN, REGINA, 64-65; assoc. prof, 65-67, ASSOC. PROF. PSYCHOL. & DIR. COUNSELING, 67- Consult, John Howard Soc, Regina Br, 67. R.C.A.M.C.R., 54-55, 2nd Lt. Can. Psychol. Asn. Psychometrics. Publ: Rorschach study with pre-school children, J. Proj. Tech, 50; co-auth, Correlation between the raven, progressive matrices and the W.A.I.S., J. Consult. Psychol, 62 & An evaluation of the Grassi Test for measuring organic brain pathology, Ont. Psychol. Asn. Quart, 64. Address: Dept. of Psychology, University of Saskatchewan, Regina, Sask, Can.
- McLEOD, DR. JACK MYRON, b. Chicago, Ill, Aug. 30, 30; m. 57; c. 2. MASS COMMUNICATIONS. SOCIAL PSYCHOLOGY. B.S. Wisconsin, 52 & M.S., 53; M.A. Michigan, 57 & Ph.D.(soc. psychol), 62. Asst. prof. JOURNALISM & MASS COMMUN, WISCONSIN, MADISON, 62-66, ASSOC. PROF, 66-, CHMN. MASS COMMUN. RES. CENTER, 67- U.S. State Dept. specialist commun. res, Centro Internacional Estudios Superiores Periodismo America Latina, Quito, Ecuador, 67. U.S.A, 53-55. Sociol. Asn; Asn. Ed. Journalism. Interpersonal communication patterns and political socialization; communication and social change processes; professionalization of the mass media occupations. Publ: The contributions of psychology to human communication theory; In: Human communication theory, Holt, 67; co-auth, Socialization, liking and yielding in imbalanced situations, Sociometry, 66; On the measurement of socialization, Pub. Opinion Quart, 67. Address: Mass Communications Research Center, University of Wisconsin, Madison, Wis. 53706.
- MACLEOD, DR. JENNIFER S(ELFRIDGE), b. London, Eng, Nov. 26, 29; U.S. citizen; m. 49; c. 2. PSYCHOLOGY. B.A. Radcliffe Col, 49; Paris, 49-50; Higgins fel, Columbia, 51-52, M.A. 52, univ. fel, 52-53, Ph.D.(psychol), 58. Asst. psychol, Richardson, Bellows, Henry & Co, Inc, 50-52; from asst. to asst. res. acct. mgr, cent. res. dept, McCann-Erickson, Inc, 53-55; consumer study dir, Ogilvy, Benson & Mather, Inc, 55-57; dir. exp. res, pkg. res. inst, Lippincott & Margulies, Inc, 57-58, surv. dir. res. psychol, OPINION RES. CORP, 58-60, CONSULT. RES. DIR, 60- Psychol. Asn; Asn. Pub. Opinion Res. Research theory, methods and practice in consumer, social and applied psychology. Publ: Predicting the responses to advertising themes from sentence completions or direct attitude questions about an advertised product; co-auth, Verbal context and the recall of meaningful material, Am. J. Psychol. Address: 4 Canoe Brook Dr, Princeton Junction, N.J. 08550.
- MacLEOD, DR. JOHN A, b. Chicago, Ill, July 26, 25; m. 51; c. 4. PSYCHIATRY, PSYCHOANALYSIS. M.D. Harvard Med. Sch, 48. Instr. PSYCHIAT, COL. MED, CINCINNATI, 54-57, asst. prof, 57-62, ASSOC. PROF, 62- Am. Fund Psychiat. fel, 55-56; mem. faculty, Chicago Inst. Psychoanal. Asst. clinician, Cincinnati Gen. Hosp, 54-55, asst. chief clinician, 55-57, chief clinician & mem. dir. med. staff, 57-67; exec. dir, Cent. Psychiat. Clin, 57-67; private practice, 67- Med.C. U.S.A.F, 50-52, Capt. Fel. Psychiat. Asn; Orthopsychiat. Asn; Group Adv. Psychiat. Clinical psychiatry and psychoanalysis. Publ: Some criteria for the modification of treatment arrangements, In: Ego-oriented casework, papers from the Smith College School for Social Work, Family Serv. Asn. Am, 63; co-auth, Special service project: a solution to the problem of early access brief treatment, Arch. Gen. Psychiat, 8/66; auth, Treatment approaches, part I: measures suitable for use by the non-psychiatrist, In: Textbook of Psychiatry and medical practice, Lippincott, 2nd ed, 68. Address: 2820 Vernon Place, Cincinnati, Ohio 45219.
- McLEOD, DR. MACK E, b. Augusta, Tex, Dec. 20, 27; m. 50; c. 2. EDUCATION. PSYCHOLOGY. B.S. Sam Houston State Col, 50, M.Ed, 52; fel, Texas, 62-64, D.Ed, 65. Teacher, high sch, Tex, 50-53, v.prin, 53-59, teacher, elem. sch, 60-62; ASSOC. PROF. ED. & PSYCHOL. TARLETON STATE COL, 64- Spec. reading consult, Glen Rose Pub. Schs, 65-67; consult, N.Cent. Tex. Center Ed. Serv, 67- U.S.A, 46-47. Organizational structure, especially of educational institutions and the public elementary schools of Texas; decisional theory as basic approach. Publ: Domain for decision, Univ. Texas, 65. Address: Dept. of Education & Psychology, Tarleton State College, Stephenville, Tex. 76402.
- McLEOD, DR. NORMA, Ethnomusicol, Anthropol, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MacLEOD, PROF. R(OBERT) B(RODIE), b. Martintown, Ont, Jan. 31, 07; nat; m. 36; c. 2. PSYCHOLOGY. B.A. McGill, 26. M.A., 27. Berlin, 28; Frankfurt, 29; Ph.D.(psychol), Columbia, 32. Instr. psychol, Cornell, 30-33; asst. prof. psychol. & ed, Swarthmore Col, 33-37, assoc. prof, 37-46, chmn. dept, 33-46; prof. PSYCHOL. & chmn. dept, McGill, 46-48; SAGE PROF. CORNELL, 48- Belgian-Am. Ed. Found. fel, Louvain, 39; dir. surv. attitudes & opinions, div. prog. surv. U.S. Dept. Agr, 42; Guggenheim fel, 42; vis. prof. Michigan, 53, 64-65. Consult, Off. Strategic Serv, 42-45. Fel. Am. Psychol. Asn; Can. Psychol. Asn. Perception of space, time and color; language and thinking; psychological phenomenology. Publ: Experimental investigation of brightness constancy; Phenomenology: a challenge to experimental psychology, Univ. Chicago, 64; Teleology and theory of human behavior, Science, 57. Address: Dept. of Psychology, Cornell University, Ithaca, N.Y. 14850.
- MacLEOD, DR. SHELTON, b. Batang, China, Mar. 18, 22; nat; m. 45; c. 4. PSYCHOLOGY. B.A. Wesleyan, 43; M.A. Connecticut, 47; univ. fel, Brown, 47-49, Ph.D.(exp. psychol), 50. Asst. prof. psychol, Hobart Col, 49-55; EXP. & RES. PSYCHOLOGIST, ROME AIR DEVELOP. CENTER, 55- Mem. Armed Forces-Nat. Res. Coun. Cmt. on Vision, 57. Human Factors Soc. Psychophysics; learning; physiological psychology; image interpretation research. Publ: Construction and attempted validation of sensory sweetness scales, J.

- Exp. Psychol.; Effect of flash and field luminance upon human reaction time & Human reaction time during dark adaptation, *J. Optical Soc. Am.* Address: 3 Pleasant Dr, Rome, N.Y. 13440.
- McLIn, DR. JON B(LYTHE), b. Memphis, Tenn, Oct. 18, 38; m. 65. **POLITICAL SCIENCE.** B.S., Washington & Lee, 60; B.A., Oxford, 62; Ph.D.(int. rels), Hopkins, 66. Asst. prof. polit. sci., Alabama, 65-68, asst. dean int. progs, 66-68; ASSOC. EUROPEAN INT. ORGN, AM. UNIVS. FIELD STAFF, 68- NATO res. fel, 67-68; Soc. Sci. Res. Coun. award, 67-68. Consult, Can. Inst. Int. Affairs, 66. Polit. Sci. Asn. International organizations and politics; military-security policy. Publ: Canada's changing defense policy, 1957-1963, Johns Hopkins, 67. Address: Ave. Molire 86, Brussels 18, Belgium.
- McLOUGHLIN, DR. QUIN, b. Maplewood, N.J., Oct. 5, 23; m. 51; c. 3. **PSYCHOLOGY.** B.A., Columbia, 48, M.A., 52, Ph.D.(psychol), Michigan, 61. Asst. study dir. mkt. res, Benson & Benson Inc., N.J., 51-54; study dir. PSYCHOL, surv. res. center, Univ. Michigan, 61-62; asst. prof., Eastern Michigan, 62-65; ROOSEVELT, 65-68, ASSOC. PROF., 68- Res. assoc., Chicago Area Plan Workers Ment. Health, 67-68. Psychol. Asn. Childhood and adolescence; socialization; personality development; personality structure and dynamics; American character. Publ: Co-auth, Shift work, Univ. Michigan, 65. Address: 300 S. Plum Grove Rd, Palatine, Ill. 60067.
- McLOUGHLIN, PROF. WILLIAM G(ERALD), JR, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- McLURE, DR. CHARLES E, JR, b. Sierra Blanca, Tex, Apr. 14, 40; m. 62. **ECONOMICS.** B.A., Kansas, 62; Woodrow Wilson fel, Princeton, 62-63, H.B. Earhart fel, 63-64, M.A., 64, Ford Found. fel, 64-65, Ph.D.(econ), 66. ASST. PROF. ECON, RICE, 65- Ford Found. faculty res. fel, 67-68. Consult, U.S. Treasury Dept, 67- Staff mem., Colombian Tax Reform Cmn, summer 68. Econ. Asn. Intergovernmental fiscal relations, including interstate tax incidence, industrial location effects of taxes and expenditures; taxes and the balance of payments and taxation in developing nations. Publ: Interstate exporting of state and local taxes: estimates for 1962, Nat. Tax. J. 67; Merit wants: a normatively empty box, Finanzarchiv, 68; Welfare maximization: the simple analytics with public goods, Can. J. Econ, 68. Address: Dept. of Economics, Rice University, Houston, Tex. 77001.
- McMAHAN, PROF. C(HALMER) A(LEXANDER), b. Seneca, S.C., July 4, 14; m. 36; c. 2. **BIOSTATISTICS.** B.S., Clemson Col, 35; M.A., Georgia, 46; Gen. Ed. Bd. fel, Vanderbilt, 47-48, Ph.D.(demog), 49. Asst. prof., Georgia, 48-49, assoc. prof., 49-53; chief manpower res. br., Air Force Personnel Res. Lab, 53-57; PROF. BIostatIST, SCH. MED, LA. STATE, 57-, CHMN. DEPT. BIOMET. & DIR. CLIN. TRIALS RES. CENTER, 66- Res. scientist, Human Resources Res. Inst, 51-52; vis. lect., Tulane, 60-61; summer vis. prof., Minnesota, 61, North Carolina, 63, Yale, 65. U.S.A., 41-46, Lt. Col. Statist. Asn; Biomet. Soc; Sociol. Res. Asn; Pop. Asn. Am; Int. Union Sci. Study of Pop. Mortality analysis. Publ: Longevity of retired army and air force officers, Human Biol; Lower limit of the infant mortality rate, Milbank Quart; Age-sex distributions of autopsied cases, Arch. Path. Address: Dept. of Biometry, Louisiana State University School of Medicine, 1542 Tulane Ave, New Orleans, La. 70124.
- MACMAHON, PROF. ARTHUR W(HITTIER), b. Brooklyn, N.Y., May 29, 90. **POLITICAL SCIENCE.** A.B., Columbia, 12, A.M., 13, Ph.D., 23, LL.D., 59. Instr. col, COLUMBIA, 13-17, 19-22, asst. prof., 23-27, assoc. prof., grad. faculty polit. sci., 27-31, prof., 31-45, Eaton prof. pub. admin., 45-58, exec. dir. cmt. ed. future of univ., 56-58, EMER. PROF. PUB. ADMIN., 58- Assoc. grad. sch., Brookings Inst., 26-27; vis. prof., Yale, 39, 55-56; Princeton, 51; Col. of Europe, 54; Istanbul, 59; Sch. Pub. Admin., India, 60; Buenos Aires, 62. Consult. adminstr., U.S. Dept. State, 43-45; consult. Cmt. For. Affairs Personnel, 62. Mem., President's Loyalty Rev. Bd., 47-50; sr. staff, Cmn. Intergovt. Rels., 54-55. Polit. Sci. Asn.(pres., 47). Government relations to the economy; conduct of foreign affairs; American political thought. Publ: Administration in foreign affairs; co-auth, Federalism: mature and emergent & Delegation and autonomy. Address: 520 Fayweather Hall, Columbia University, New York, N.Y. 10027.
- McMAHON, PRES. JOHN L(aSALLE), b. LaSalle, Ill., Mar. 30, 08. **POLITICAL SCIENCE.** A.B., St. Viator Col, 29; A.M., Catholic Univ, 30, Ph.D., 33; Illinois, 31; Michigan, 33. From instr. to PROF. POLIT. SCI. & HIST., OUR LADY OF THE LAKE COL, 33-, PRES. COL, 41- Instr., Columbus Univ. Jr. Col, 39-41; Catholic Univ, 39-41. Polit. Sci. Asn; Soc. Int. Law. Recent changes in the recognition policy of the United States; outlines in American government. Address: Dept. of Political Science & History, Our Lady of the Lake College, 411 S.W. 24th St, San Antonio, Tex. 78207.
- McMAHON, DR. RICHARD F, b. New York, N.Y., Oct. 3, 18. **LABOR ECONOMICS.** A.B., Washington (Seattle), 36; M.A., Catholic Univ, 48, Ph.D., 50. Personnel dir., Bechtel Int. Corp., 40-41; personnel work & labor rels., U.S. Govt, 45-54; asst. prof. mgt. sch. bus. admin., Duquesne, 54-56; dean sch. econ. & bus. admin., Gonzaga, 56-58; mgt. consult, Nat. Rural Elec. Coop. Asn, 58-63; dir. legis. pub. rels. & training, Int. Brotherhood Teamsters, 63-66; dir. ed., Equal Employ. Opportunity Cmn, 66-67; DIR. EMPLOYEE & LABOR RELS, NEW YORK REGIONAL OFF. U.S. POST OFF. DEPT., 67- Lectr., Pittsburgh, 56-58; prof., Oklahoma, 67; adj. prof., Maryland; American Univ. Chief labor adv. Mil. Gov. Ryukus Islands; ed. adv. air defense command, Geiger Field, Wash; chief consult, U.S. Senate Subcm. Manpower Practices; consult, Civil Serv. Cmn, N.Y. U.S. Merchant Marine & U.S.N.R., 41-45, Lt. Comdr. Mgt. Asn; Soc. Adv. Mgt; Personnel & Guid. Asn. Manpower utilization; management planning; industrial development. Publ: Living wage for the Philippine worker; Philippine industrial potential; Personnel training of indigenous peoples. Address: 9813 Inglemere Dr, Bethesda, Md. 20014.
- McMAHON, DR. WALTER W(OLCOTT), b. Clinton, Iowa, July 26, 28; m. 51; c. 2. **ECONOMICS.** B.S.C., Iowa, 50, M.A., 53, Ford Found. fel, 56-57, Ph.D., 57; London Sch. Econ, 53-54. Asst. prof. ECON, ILLINOIS, URBANA, 57-61, ASSOC. PROF., 61-, asst. dean, col. commerce & bus. admin, 59-62. Summers, res. consult, Ill. Bell Tel. Co, 58; U.S. Off. Ed, Stanford, 60; Ford Found. fel, math. inst., Minnesota, 61. U.S.A., 50-52, 1st Lt. Econ. Asn; Economet. Soc. Analysis of demand for consumer durable goods; theory of public expenditure. Publ: Honors objectives in business, Superior Student; Consumer durables in the 1957-58 recession & Economic growth, price stability and the federal budget, Ill. Bus. Rev. Address: 405 E. Colorado Ave, Urbana, Ill. 61801.
- McMANAMA, SISTER MAURICE, b. Trenton, N.J., Nov. 13, 06. **PSYCHOLOGY.** B.A., Seton Hill Col, 33; M.A., Catholic Univ, 34, Ph.D., 36. PROF. PSYCHOL. & CHMN. DEPT., SETON HILL COL, 36- Consult, Catholic Charities, 59-; Westmoreland County Conf. Econ. Opportunity, Inc, 66- Mem., Pa. Cmt. Ment. Health Teacher Ed, 59-61. Psychol. Asn; Personnel & Guid. Asn. Developmental psychology; psychological testing. Address: Dept. of Psychology, Seton Hill College, Greensburg, Pa. 15601.
- McMANAMON, JAMES T(ERENCE), O.F.M., b. Cleveland, Ohio, Aug. 11, 22. **EDUCATIONAL PSYCHOLOGY.** A.B., Our Lady Angels Sem, 46; St. Joseph Theol. Sem, 46-50; Quincy Col, 50-51; scholar. & M.S.Ed., Fordham, 52, Ph.D.(ed.psychol, sch. admin), 58; Columbia, 60; summer, Gonzaga, 66. Instr. ed. & psychol, Quincy Col, 52-53; consult. testing, Nat. League Nursing, 54; instr. ed., St. John's Col.(Ohio), 54-55; instr. ed. & psychol, Quincy Col, 56-59, asst. prof., 59-64, assoc. prof., 64, asst. dean students, 59-62, registr., 62-64; SUPT., CATH. SCHS., COLUMBUS, 64- Ford Found. res. grant, 67-68. Summers asst. prof., Our Lady of Angels Sem. & St. John's Col.(Ohio), 59; asst. dir. psychol. workshop, Hawthornden State Hosp, 59. Psychol. Asn. Programs to improve study habits of college students; effective means to discover and train potentially talented students. Publ: Experimental study of the measurable effects of a how to study course for preclinical student nurses; Psychology of effective study; Highlights of the second bowling conference. Address: P.O. Box 644, Columbus, Nebr. 68601.
- McMANIS, DR. DOUGLAS R, b. U.S. **HISTORICAL GEOGRAPHY.** B.S., Kent State, 54, M.A., 55; Ph.D.(geog), Chicago. Instr. GEOG, Butler, 60-64; asst. prof., Eastern Michigan, 64-66; ASSOC. PROF. TEACHERS COL, COLUMBIA, 66- Asn. Am. Geog. & Am. Geog. Soc. Settlement of the Illinois prairies and mining and metal processing in the American colonies. Publ: The initial evaluation and utilization of the Illinois prairies, 1815-1840, Univ. Chicago Dept. Geog, 64; Historical geography of the United States: a bibliography, Div. Field Serv., Eastern Michigan Univ, 65; The core of Italy: the case for Lombardy-Piedmont, Prfln. Geogr, 9/67. Address: Dept. of Social Studies, Teachers College, Columbia University, New York, N.Y. 10027.
- McMANUS, PROF. THOMAS R, Speech, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- MacMASTER, DR. ROBERT E(LLSWORTH), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- McMICHAEL, COMDR. ALLEN E(DGAR), U.S.N., b. Morristown, Minn, Feb. 13, 23; m. 47; c. 2. **CLINICAL PSYCHOLOGY.** A.B., Dartmouth Col, 47; M.A., Mich. State, 48. MED. SERV. CORPS, U.S. NAVY, 50-, clin. psychologist, psychiat. unit, U.S. Marine Corps Recruit Depot, Calif., 50-51, mobile psychiat. unit, first med. battalion, first marine div, Korea, 51-52, sr. clin. psychologist, U.S. Naval Acad, 52-56, chief clin. psychologist, recruit eval. unit, U.S. Naval Training Center, Calif., 56-59, asst. officer-in-charge & head prev. psychiat. br., U.S. Naval Med. Neuropsychiat. Res. Unit, 59-62, sr. mil. psychologist, aerospace psychol. div, Naval Aerospace Med. Center, Fla, 62-63, sci. adv. officer, Comdr. Fleet Air Wings, U.S. ATLANTIC FLEET, 63-64, SCI. ADV. OFFICER & HEAD COORDINATED HUMAN FACTORS PROG, COMDR. ANTISUBMARINE WARFARE FORCE, 64- Mem., Spec. Bd. Flight Surgeons, 63. Psychol. Asn; Asn. Aviation Psychol; Aerospace Med. Asn; Asn. Mil. Surg. Assessment of the impact of human behavior upon the performance of naval weapons systems. Publ: Co-auth, Some effects of alcohol on Rorschach performance, J. Clin. Psychol, 10: 252-255; auth, The relevance of behavioral statements in the judgments made by clinicians, corpsmen, and line superiors, U.S. Naval Med. Neuropsychiat. Res. Unit. Report, 62-9, & Indications of emotional instability and susceptibility to motion sickness, Aerospace Med, 34: 997-1000. Address: 7700 Nancy Dr, Norfolk, Va. 23518.
- McMICHAEL, DR. EDWARD VANCE, b. Oakdale, Pa., Oct. 19, 34. **ARCHAEOLOGY, ANTHROPOLOGY.** A.B., Indiana, 56, univ. fel, 57-58, Nat. Sci. Found. fel, 59-60, Ph.D., 60. Field archaeologist, Georgia, 58-59; archaeologist, State Geol. Surv., W.Va., 60-67; ASSOC. PROF. ANTHROP. INDIANA STATE, 67- Part-time asst. prof., West Virginia, 65-67. Fel. Anthropol. Asn; Soc. Archaeol. Publ: Co-auth, Archaeological salvage in the Oliver Basin; Introduction to West Virginia archaeology, Ed. Series, 63 & An archaeological survey of Nicholas County, Archeol. Series Number 1, 65, W.Va. Geol. Surv. Address: Dept. of Anthropology, Indiana State University, Terre Haute, Ind. 47809.
- McMICHAEL, PROF. ROBERT N(ANCE), b. Shreveport, La., Oct. 9, 26; m. 49; c. 2. **BUSINESS ADMINISTRATION.** B.S. La. Polytech, 48; M.B.A., La. State, 58, Ph.D.(bus. admin), 61. Plant chemist, Hunt Oil Co, Tex, 48-52; gas engr., Magnolia Petrol. Co, 52-53; petrol. engr., Socony Mobil de Venezuela, Caracas, 53-56; asst. prof. statist., Northeast La. State Col, 60-61; assoc. prof. mgt., Lamar State Col, 61-63; statist., Arkansas, 63-65; PROF. BUS. ADMIN. & DIR. DIV. PAN AM. COL, 65- State dir. for personal income study, Ark. & consult. economist, Midwest Res. Inst., NASA, 63-64; prin. investr., demog. study State of Tex., coordinating bd, Tex. Col. & Univ. Syst, 67-68. Acad. Mgt. Determination of personal income data and population characteristics. Address: Division of Business Administration, Pan American College, Edinburg, Tex. 78539.
- McMILLAN, DR. ANITA, b. Belfast, N.Ireland, Sept. 5, 30; m. 55. **ECONOMICS, COMMUNICATIONS.** B.Sc., McGill, 52; M.S., Cornell, 57; Ph.D.(commun), Mich. State, 66. Instr. AGR. ECON. COL. AGR. MICH. STATE, 57-66, ASST. PROF. COLS. AGR. & HUMAN MED, 66- Econ. Asn; Agr. Econ. Asn; Asn. Ed. in Journalism. Marketing of agricultural products; marketing and economic development; health economics. Address: Dept. of Agricultural Economics, Michigan State University, East Lansing, Mich. 48823.

- McMILLAN, PROF. CLAUDE, JR, b. Ada, Okla, May 22, 23; m. 49; c. 4. MANAGEMENT & COMPUTER SCIENCE. B.S. Colorado, 48, M.S. 49; Ph.D. (bus. admin), Ohio State, 55. Instr. mgt. Ohio State, 53-55; asst. prof. Mich. State, 56-58, assoc. prof. 58-63, PROF. 63-64; MGT. & COMPUT. SCI. COLORADO, 64- U.S.A.F. 45 & 51-53, 1st Lt. Inst. Mgt. Sci; Soc. Gen. Sys. Res; Asn. Comput. Mach. Computer modeling in decision processes; simulation; optimization theory. Publ: Co-auth, International enterprise in a developing economy, Bur. Bus. & Econ. Res. Mich. State Univ. 62, Systems analysis; a computer approach to decision models, Irwin, 65 & The management of metal inventories, Steel Serv. Center Inst. 66. Address: School of Business, University of Colorado, Boulder, Colo. 80302.
- MacMILLAN, DR. DONALD L, b. Cleveland, Ohio, Dec. 31, 40; m. 67. PSYCHOLOGY, EDUCATION. B.A. Western Reserve, 62; M.A. California, 63, Ed.D. 67. Teacher, high sch. Calif. 63-65; ASST. PROF. ED, CALIFORNIA, RIVERSIDE, 67- Coun. Except. Children; Asn. Ment. Deficiency; Ed. Res. Asn; Soc. Res. Child Develop. Cognitive development of exceptional children and behavioral control with behavior modification techniques. Address: Dept. of Education, University of California, Riverside, Calif. 92502.
- McMILLAN, DR. EMILE L(EGENDRE), b. New Orleans, La, Oct. 28, 23; m. 59; c. 3. SOCIOLOGY, COUNSELING. B.A. Catholic Univ. 49, M.A. 61, Woodrow Wilson scholar, 61-62, Ph.D.(sociol). 66. Lectr. SOCIOL, Immaculata Jr. Col. 61-62; teaching asst. Catholic Univ. 62-64; instr. Dominican Col.(La), 64-66; ASST. PROF. LOYOLA (LA), 66- U.S.N. 43-46, Lt.(jg). Sociol. Asn; Nat. Coun. Family Rels. Marriage and the family; marriage counseling. Publ: Revision of a marriage counseling inventory: interaction of husband and wife, Univ. Microfilms, 67. Address: Dept. of Sociology, Loyola University, 6363 St. Charles Ave, New Orleans, La. 70118.
- MacMILLAN, DR. HOWARD GOVE, Econ. Develop, see 10th ed, Soc. & Behav. Vols.
- McMILLAN, DR. JOHN J(OHNSON), b. Mokanshan, China, Aug. 5, 22; m. 50; c. 2. PSYCHOLOGY. B.A. Wake Forest Col. 43; M.A. Duke, 48, Ph.D.(psychol). 51. Clin. psychologist, Vet. Admin. Hosp. Richmond, Va. 51-56; psychologist, Nat. Inst. Ment. Health, 56-57, exec. secy. behav. sci. study sect, div. res. grants, Nat. Insts. Health, 57-58; psychologist, Rohrer, Hibler & Replogle, 58-59; assoc. prof. psychol. & chief psychologist, Med. Col. Va. 60-65; ADMIN. OFFICER PRFNAL AFFAIRS, AM. PSYCHOL. ASN, 65- U.S.N. 43-46. Personality assessment; executive evaluation and counseling; behavioral science in medical education. Address: 1200 17th St. N.W., Washington, D.C. 20036.
- MACMILLAN, DR. J(OHN) W(ALKER), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 66.
- McMILLAN, PROF. S(AMUEL) STERLING, b. Cleveland, Ohio, June 28, 07. ECONOMICS. A.B. Princeton, 29; M.B.A. Harvard, 32; Ph.D. Indiana, 48. Statistician, North. Trust Co, Ill. 33-35; secy-treas. & dir. Strong, Cobb & Co, Inc, Ohio, 35-42; regional price economist, Off. Price Admin, Ill. 42-45; instr. ECON, Indiana, 45-47; asst. prof. CASE WESTERN RESERVE, 47-50, assoc. prof. 50-64, PROF. 64-, chmn. dept. 54-59. Consult, Nat. Prod. Authority, D.C. 50-52. Secy. & dir. Reliable Spring & Wire Forms Co, Ohio, 38-; chmn. bd. & dir, Predicasts, Inc, 60-, v.pres. & treas. 65-66; pres. & dir, Investment Index Co, 63- Am. Econ. Asn; Finance Asn; Royal Econ. Soc. Economics of resources; atomic energy industry; social economics. Publ: Co-auth, Problems in price control, pricing standards; auth, Individual firm adjustments under OPA, Principia; Role of tax amortization in defense mobilization, Report to Bus. Address: Dept. of Economics, Case Western Reserve University, Baker Bldg, Cleveland, Ohio.44106.
- McMILLAN, DR. T(HOMAS) E(LLWOOD), JR, b. Paris, Tex, Aug. 26, 24; m. 51; c. 3. ECONOMICS. B.B.A. Texas, 47, M.A. 48; Ph.D. Wisconsin, 54. Asst. prof. Tex. Col. Arts & Indust. 48-49; asst. Wisconsin, 49-51; res. assoc. inst. pub. affairs, Univ. Texas, 51-54; indust. economist, Fed. Reserve Bank Dallas, 54-55; ECONOMIST, TEX. POWER & LIGHT CO. 55- Lectr. Southern Methodist; lectr. North Texas State, mem. businessmen's adv. cmt. mgt. info. tech. prof. 66-; counsr. Southwest Grad. Sch. Banking. 67- U.S.A.A.F. 42-46. Econ. Asn. Industrial location; industrial taxation; economic philosophy and political control. Publ: Financing state government in Texas; State supervision of municipal finance; co-auth, Determinants of plant location. V Why Industries choose sites, J. Land Econ, 8/66. Address: 1121 Overlake, Richardson, Tex. 75080.
- McMILLAN, DR. WENDELL M(ARLIN), Agr. Econ, see 10th ed, Soc. & Behav. Vols.
- McMILLEN, PROF. KENNETH B(YRON), b. Masontown, W.Va, Aug. 15, 14; m. 38; c. 2. POLITICAL SCIENCE. M.A. West Virginia, 47. ASSOC. PROF. POLIT. SCI. & GEOG. W.LIBERTY STATE COL. 46-. HEAD DEPT. POLIT. SCI. 67-, chmn. div. soc. sci. 55-67. Mem. Nat. Coun. Soc. Studies. U.S.A. 42-45, Lt. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. International politics; political parties; public opinion. Address: Dept. of Political Science, West Liberty State College, West Liberty, W.Va. 26074.
- McMILLEN, DR. WAYNE, b. Sanborn, Iowa, Aug. 23, 96. SOCIAL STATISTICS. A.B. Iowa, 17; dipl. Montpellier, France, 27; Ph.D. Chicago, 31. Lectr. Tulane, 30-31; assoc. prof. social work, Chicago, 31-36, prof. soc. serv. admin, 36-60; dir. BAY AREA WELFARE PLANNING FEDN, 60-66, DIR. STUDIES, BAY AREA SOCIAL PLANNING COUN. 66- Field agent, U.S. Children's Bur, 32; field rep, emergency relief dir, Reconstruct. Finance Corp, 32-33; exchange prof, California, 36; cmnr. Chicago Housing Authority, 43-53, chmn. 51-53; Carnegie vis. prof, Hawaii, 55; dir. Ment. Health Surv. Los Angeles Co, Calif. 57-60. Trustee, Hull House, 41. Registration of social statistics; measurement in social work; community organization for social welfare. Publ: Statistical Methods for social workers. Address: Bay Area Welfare Planning Federation, 577-145th St, Oakland, Calif. 94612.
- McMILLEN, DR. WAYNE L(NTON), b. De Land, Ill, Jan. 17, 07; m. 36; c. 2. ECONOMICS. B.S. Illinois, 32, M.S. 33, Ph.D. 35. Traffic rep. Am. Airlines, Inc, 36-39, asst. to pres. admin, 39-43, from asst. secy. to asst. v.pres, 43-55; ASSOC. ECONOMIST, MORGAN GUARANTY TRUST CO. 56- Lectr. N.Y. Univ. Econ. Asn; Asn. Bus. Econ; Conf. Bus. Econ. Public utilities; economics of air transportation; money and banking; business forecasting. Publ: Air express in the U.S; J. Land & Pub. Utility Econ. Address: Morgan Guaranty Trust Co, 23 Wall St, New York, N.Y. 10015.
- McMILLION, PROF. OVID M(ILLER), b. Friars Hill, W.Va, Mar. 26, 05; m. 50; c. 4. GEOGRAPHY. A.B. Ohio, 20; M.A. George Peabody Col. 34; Ph.D. Maryland, 61. Instr. soc. sci. W.Va. State Teachers Col, Concord, 34-37, asst. prof. GEOG. & head dept. 37-39; instr. D.C. Teachers Col, 39-50, asst. prof. 50-61, assoc. prof. 61-63, PROF. 63-66; MIDDLE TENN. STATE, 66- Instr. Hopkins, 48-49. U.S.A. 42-46, Col. Asn. Am. Geog. Coun. Geog. Ed. Arctic and subarctic geography; economic geography; Latin America. Publ: New Alaska; co-auth, Global geography; auth, Problems in geography of Latin America, W.C. Brown, 67. Address: 207 Ridgecrest Dr, Murfreesboro, Tenn. 37130.
- McMINN, GERALD W(ILLIAM), O.F.M, b. Butler, N.J, Feb. 28, 94. SOCIOLOGY. B.A. St. Bonaventure, 20, M.A. 22, Ph.D. 33, hon. Litt.D. 40; Munich, Germany, 24; Vienna, 26. Registr. ST. BONAVENTURE, 20-22, dean col. 21-34, v.pres. 28-64, PROF. SOC. PHILOS. & SOCIOLOGY, 30- Sociol. Asn. Modern American family; sociology of childhood and the aged. Address: St. Bonaventure University, St. Bonaventure, N.Y. 14778.
- McMULLAN, PROF. W(ILBUR) N(EAL), b. Arcadia, Ind, July 13, 95. BUSINESS ADMINISTRATION. A.B. De Pauw, 21; A.M. Illinois, 29; Pennsylvania, 33-35. Asst. instr. econ, Illinois, 21-23, indust. eng. 24-27; econ, DREXEL INST. 28-31, asst. prof. bus. admin, 31-36, assoc. prof. 36-47, prof. finance & head dept. finance & statist. 47-64, EMER. PROF. FINANCE, 64- Econ. Asn; Statist. Asn; Soc. Adv. Mgt. Finance and statistics. Address: 504 Custis Rd, Glenside, Pa. 19038.
- McMURRAY, PROF. GORDON A(YLMER), b. Lennoxville, Que, Oct. 19, 13; m. 49; c. 3. PSYCHOLOGY. B.A. Bishop's (Can). 33, M.A. 35; Ph.D.(psychol). McGill. 49. PROF. PSYCHOL. & HEAD DEPT. SASKATCHEWAN, 49- Can. Coun. leave fel. 66-67. Mem. assoc. cmt. exp. psychol. Nat. Res. Coun. Can, 59-64. R.C.A.F. 42-46. Flight Lt. Am. Psychol. Asn; Can. Psychol. Asn.(pres. 62-63). Psychology and physiology of pain; motivation; perception. Publ: Experimental study of a case of insensitivity to pain. Arch. Neurol. Psychiat; Study of fittingness of signs to words by means of the semantic differential, J. Exp. Psychol; Meaning associated with the phonetic structure of unfamiliar foreign words, Can. J. Psychol. 60. Address: Dept. of Psychology, University of Saskatchewan, Saskatoon, Sask. Can.
- McMURRAY, PROF. J(OHN) G(RANT), b. St. Marys, Ont, July 31, 24; m. 55; c. 3. EDUCATIONAL PSYCHOLOGY. B.A. Western Ontario, 50, M.A. 52; Ph.D. Toronto, 56. Lectr. psychol. Western Ontario, 52-53; staff psychologist, Dept. Health, Ont, 53-54; supvr. psychol. serv. N. York Bd. Ed. 55-58, coordinator. 58-65; PROF. PSYCHOL. & HEAD DEPT. PSYCHOL. & SOCIOLOGY, ALTHOUSE COL. ED. UNIV. WESTERN ONTARIO, 65- Lectr. Dept. Ed. Ont. 58. Consult, Winnipeg Child Guid. Clin, Man, 60. Mem. Ont. Bd. Exam. Psychol. 64-69. Am. Psychol. Asn; Asn. Ment. Deficiency; Can. Psychol. Asn. Etiological and behavior aspects of exogenous and endogenous mental deficiency; intelligence and achievement test construction; reading; programmed instruction. Publ: Some correlates of reading difficulty, Ont. J. Ed. Res. 5: 149-157; co-auth, Teacher reactions to a communication advocating educational change, Can. Ed. Res. Digest, 5: 285-296; auth, Two decades of school psychology: past and future, Can. Psychologist, 8: 207-217. Address: 25 Scarlett Ave, London, Ont, Can.
- McMURRY, PROF. JOHN H, Geog, see 10th ed, Soc. & Behav. Vols.
- McMURRAY, PRES. JOSEPH P, b. Bronx, N.Y, Mar. 4, 12; m. 40; c. 9. ECONOMICS. B.A. Brooklyn Col. 36; LL.D. Iona Col. 59, Litt.D. Tampa, 61, LL.D. Col. Holy Cross, 62; L.H.D. Am. Int. Col. 64. Civil serv. statistician & economist, fed. agencies, U.S. Govt. 43-45; econ. counsel. ed. & labor cmt, U.S. Senate, 45-47, admin. asst. to Senator Robert F. Wagner. 47-48, econ. consult. & staff dir, banking & currency cmt, 48-54; exec. dir, Housing Authority, New York City, N.Y. 54; cmnr. State Housing, N.Y. 55-59; pres. Queensborough Community Col, 59-61, chmn. Fed. Home Loan Bank Bd, 61-65; PRES. QUEENS COL, 65- Adj. prof, Long Island, 57-58. Consult, U.S. Saving & Loan League Cmt. 66. Trustee, bd. dirs, Peninsula Gen. Hosp. 56-, chmn. construct. cmt, 59-; mem. bd. trustees, Col. New Rochelle, 66; Bowery Savings Bank, 66. Exec. secy, Mayor's Cmt. Better Housing, City of New York, 54; chmn. President's Task Force on Housing & Urban Affairs, 60, mem. President's Cmt. Financial Insts, 62, President's Cmt. Equal Opportunity Housing, 63; Queens adv. bd. Chem. Bank N.Y. Trust Co, 65; bd. dirs, City Hosp. Elmhurst, 65; bd. dirs. Suburbia Fed. Saving & Loan Asn, N.Y. 65; state adv. cmt. Citizens Cmt. Constitutional Convention, 66; chmn. subcm. league sponsorship housing develop, Nat. Urban League, 66; mem. citizens Cmt. Effective Constitution, 66; cmt. housing & urban renewal, N.Y. State Catholic Welfare Cmt, 66; chmn. spec. adv. cmt. develop, greater Jamaica, Jamaica Chamber of Commerce, 66. Polit. Sci. Asn; Econ. Asn. Housing. Address: 270 Mill Spring Rd, Manhasset, N.Y.
- McMURRY, PROF. K(ENNETH) C(HARLES), b. Normal, Ill, Oct. 18, 94. GEOGRAPHY. A.B. Wisconsin, 15; Ph.D. Chicago, 22. Geogr. Tenn. Geol. Surv. 19-20; instr. GEOG. MICHIGAN, 20-21, asst. prof. 21-25, head dept. 23-56, assoc. prof. 25-29, from prof. to EMER. PROF. 29- Regional and economic geography of North America. Address: 330 Evergreen Place, Ann Arbor, Mich. 48104.
- McMURRY, DR. ROBERT N(OLEMAN), b. Chicago, Ill, Dec. 19, 01; m. 36; c. 2. PSYCHOLOGY. Ph.B. Chicago, 25, M.A. 32; Ph.D.(psychol). Vienna, 34. Assoc. dir, Psychol. Corp, Ill. 35-43; proprietor, Robert N. McMurry & Co, 43-53, sr. partner, McMurry, Hamstra & Co, 53-58, PRES. McMURRY CO, 58- Fel. Psychol. Asn; Sociol. Asn; Mkt. Asn. Personnel administration; industrial relations; marketing. Publ: McMurry's manage-

ment clinic; Handling personality adjustment in industry; Tested techniques of personnel selection. Address: McMurry Co, 645 N. Michigan Ave, Chicago, Ill. 60611.

McMURTRY, DR. GENE, b. Lamar, Colo, Sept. 14, 30; m. 51; c. 5. AGRICULTURAL ECONOMICS. B.S. Colorado State, 54; M.S. Purdue, 56, Ph.D. (agr. econ), 58. Res. asst. Purdue, 54-57, asst. prof. agr. econ, 57-60; assoc. prof. & head pub. affairs, Va. POLYTECH, 60-66, STATE LEADER RESOURCE DEVELOPMENT, 66- Participant, European Econ. Community Common Mkt. study team, 62; summers, host/leader to West. Europe & Russia, 62 & 66. Chmn. S. Regional Pub. Affairs Cmt, 67-68. Agr. Econ. Asn. Educational phase of planning and zoning; analyzing impact of existing and new agricultural policy programs; farm management; program leadership in the area of community resource development and economic growth. Address: Extension Division, Research & Development, Virginia Polytechnic Institute, Blacksburg, Va. 24061.

MacNABB, ALEXANDER STEWART, b. Bay Shore, N.Y., Aug. 24, 29. POLITICAL SCIENCE, SOCIOLOGY. A.B. Colgate, 56; scholar, Washington & Lee, 56-59, LL.B., 59. Pres. Alexander MacNabb Assocs, Inc, 60-67; manpower analyst, President's Cmt. Manpower, 66-67; budget analyst, OFF. ECON. OPPORTUNITY, 67, SPEC. ASST. TO DIR. COMMUNITY ACTION PROG., 67- Pres. Town Almanac Pub. Co, Inc, 60-; v. pres. Newmark, Posner & Mitchell, Inc, 61-; dir. Munston Electronic Mfg. Corp, 62-; Big Brothers Nat. Capital Area, 66- Mem. planning cmt, D.C. Dept. Corrections, 65-66; cmt. crime & delinquency, Health Welfare Coun. Nat. Capital Area, 66- U.S.N., 52-54, Res. 54- Sociol. Asn; Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Publ: Co-auth, Congressional presentation for Office of Economic Opportunity Annual Report Community Action Program FY 1968 & 1969, Govt. Printing Off. Address: 129 N. Oakland St, Arlington, Va. 22203.

McNABB, PROF. COY GAYLORD, b. Exeter, Mo, Oct. 24, 17; m. 47; c. 2. AGRICULTURAL ECONOMICS. B.S. Arkansas, 41; M.S. Missouri, 53; Ph.D.(exten. ed), Ohio State, 64. Teacher, high sch, 41-42; county agent agr. Coop. Exten. Serv. 46-54; asst. prof. AGR. ECON, MISSOURI, COLUMBIA, 54-58, assoc. prof, 58-67, PROF, 67-, AGR. ECONOMIST, EXTEN. DIV, 54- U.S.A., 42-46, 1st Lt. Asn. Agr. Econ. Extension programs related to agricultural economics. Publ: Co-auth, The Meramec Basin—plans, needs and problems, Univ. Missouri Bull, 3/66, Role consensus and administrative effectiveness, Rural Sociol, 3/66 & Water legislation for Missouri, Bus. & Govt. Rev, 11-12/67. Address: Dept. of Agricultural Economics, University of Missouri, Columbia, Mo. 65201.

McNAIR, DR. DOUGLAS M(cINTOSH), Psychol, see 10th ed, Soc. & Behav. Vols.

MACNAIR, DR. WILMER EVERETT, b. Niagara Falls, N.Y., Oct. 15, 32; m. 53; c. 2. SOCIOLOGY. B.A. Park Col, 53; B.D. Chicago Theol. Sem, 56; M.S. Wisconsin, 60, Ph.D.(sociol), 65. Minister, Congregational-Christian Church, Ill, 58-61; instr. SOCIOL, Elmhurst Col, 61-64; asst. prof, West Texas State, 64-66; ASSOC. PROF, MEMPHIS STATE, 66- Sociol. Asn; Soc. Sci. Study Relig. Sociology of religion. Address: Dept. of Sociology, Memphis State University, Memphis, Tenn. 38111.

McNALLY, JAMES W(ALLACE), b. Philadelphia, Pa, Apr. 9, 11; m. 42; c. 2. ECONOMICS. B.A. Rutgers, 32, M.A., 34. Chief econ. reports sect, OFF. BUS. ECON, U.S. DEPT. COMMERCE, 45-49, asst. dir, 49-62, DEP. DIR, 62- Prog. ed, Allied Soc. Sci. Assns, 67. Soc. Pub. Admin. Current business analysis; marketing; international trade promotion. Publ: Survey of current business. Address: Office of Business Economics, U.S. Dept. of Commerce, Commerce Bldg, Washington, D.C. 20230.

MAC NAMARA, DONAL E(OIN) J(OSEPH), b. New York, N.Y., Aug. 13, 16; m. 53; c. 1. CRIMINOLOGY. B.Sc. Columbia, 39; M.P.A. Columbia, 46; dipl. Air Univ, 48. Instr. polit. sci, Rutgers, 48-49; asst. prof. police admin, Southern California, 49-50; asst. dean, N.Y. Inst. Criminol, 50-55, dean, 55-63; exec. v. pres. Real Estate Bd. of Bronx County, N.Y., 64-65; IN CHARGE CORRECTIONS PROGS, JOHN JAY COL. CRIMINAL JUSTICE, CITY UNIV. NEW YORK, 66- Asst. dir, Delinquency Control Inst, Calif, 49-50; vis. lectr, south police inst, Louisville, 50-; lectr, cols. & univs, U.S., 50-; vis. lectr, grad. prog. pub. admin, State Univ. N.Y., 50-56; chmn. law enforcement insts. & lectr, grad. sch. pub. admin, N.Y. Univ, 40-58; coordinator, police sci. prog, Brooklyn Col, 53-58; dir. Traffic Mgt. Surv. Fund Inc, 58-; managing partner, Flath-MacNamara Assocs, 58-; vis. prof, Fla. State, summer, 59; Utah, 61 & 62; E. Paul du Pont lectr, Delaware, 68; res. dir, Ed. Alliance. Consult. New York Housing Authority, 55; N.J. Law Enforcement Coun, 57-59; Commonwealth of P.R., 60; Bergen County Bd. Freeholders, N.J., 66-67; N.J. Cmn. Civil Disorder, 67-68. Ed, Excerpta Criminologica, 60- U.S.A., 42-46, Maj. Fel. AAAS; fel. Soc. Criminol.(secy, 49-51; ed, 51-53; v. pres, 53-55, 58-60, pres, 60-63, Herbert Bloch award, 67); Asn. Psychiat. Treatment of Offenders; Int. Asn. Chiefs of Police; Inst. Soc. & Behav. Sci; fel. Sociol. Asn; fel. Acad. Criminalistics (pres, 59-); Int. Soc. Criminol. Sex crimes and sex offenders; military crimes; suicide; polygraph; truth serum; scientific search techniques; comparative police administration; police training and discipline; corrections and penology. Publ: Co-auth, Sex problems in contemporary American society, Crowell, 68; auth, Criminal justice administration in Puerto Rico; The German police system under Hitler. Address: City University of New York, 315 Park Ave. S, New York, N.Y. 10010

McNAMARA, DR. HAROLD J(OSEPH), b. U.S., Nov. 24, 28; m. 52; c. 3. PSYCHOLOGY. B.A. Kansas, 55, M.A., 56, Ph.D., 60. Asst. exp. psychol, Kansas, 54-57, human rels, 57-58, instr, 58-59; psychol. intern, Topeka Vet. Admin. Hosp, 59-60, CLIN. PSYCHOLOGIST, Wadsworth Vet. Admin. Hosp, 60-64; WICHITA PSYCHIAT. CENTER, 64- Asst. Menninger Found, 55-56, res. assoc, 56-; lectr, Wichita State, 64-66. U.S.N., 47-52. Psychol. Asn. Relationship between learning and perception; secondary reinforcement and motivation; psychotherapy. Publ: Effects of punishment (electric shock) on perceptual learning, J. Comp. & Physiol. Psychol; Non veridical perception as a function of rewards and punishments, Perceptual & Motor Skills; Effect of irregular learning conditions on the rate of permanence of learning. Address: 4124 Charron Lane, Wichita, Kans. 67220.

McNAMARA, DR. ROBERT JOSEPH, b. Brooklyn, N.Y., Mar. 19, 26. SOCIOLOGY. A.B. St. Louis, 49, M.A., 53; S.T.L. Woodstock Col, 57; Ph.D. (sociol), Cornell, 63. Instr. SOCIOL, FORDHAM, 62-64, asst. prof, 64-68, ASSOC. PROF. & CHMN. DEPT, 68- Vis. study dir, Nat. Opinion Res. Center, Univ. Chicago, 66-67. Sociol. Asn; Soc. Sci. Study Relig. Sociology of religion and values; urban poverty. Publ: Co-auth, Glossary of sociological terms, Bruce, 57; auth, Intellectual values and instrumental religion, Sociol. Anal, 64; Catholics and academia, Rev. Relig. Res, 67. Address: Dept. of Sociology, Fordham University, Bronx, N.Y. 10458.

McNAMARA, PROF. ROBERT L, b. Hazel, S.Dak, Mar. 23, 09; m. 40; c. 2. RURAL SOCIOLOGY. B.S. S.Dak. State Col, 31, M.S., 39; Minnesota, 34-35; Ph.D., Ohio State, 44. Prin, Plamo Consol. Schs, S.Dak, 31-34; res. supvr, S.Dak. State Col, 35-40; res. asst, Ohio State, 40-44; soc. scientist, U.S. Pub. Health Serv, 44-46; U.S. Dept. Agr, 46-47; PROF. sociol, Okla. Agr. & Mech. Col, 47-48; RURAL SOCIOL, MISSOURI, 48-, chmn. dept, 61-66. Lectr, Catholic Univ, 46. Consult, U.S. Govt. For. Aid Admin, Thailand, 52; Nat. Univ. Columbia & U.S. Agency Int. Develop, 66-67. Sociol. Asn; Rural Sociol. Soc.(pres, 66-67); Pub. Health Asn; Pop. Asn; Acad. Polit. & Soc. Sci. Sociology of health; demography. Publ: Illness in farm population of two homogeneous areas of Missouri; Rural-urban population change and migration in Missouri, 1940-1950; co-auth, Social adjustment of elderly people in small towns, In: Older people and their social world, Davis, 65. Address: Dept. of Rural Sociology, University of Missouri, Columbia, Mo. 65201.

McNAMARA, DR. WALTER J(OSEPH), b. Bridgeport, Conn, Dec. 18, 08; m. 36; c. 3. PSYCHOLOGY. B.S. Catholic Univ, 30; M.S. Fordham, 35; Ph.D. (psychol), Minnesota, 38. Res. asst, Minnesota, 35-38; ed. rep, INT. BUS. MACH. CORP, 38-42, 45-50, mgr. appl. personnel res, 50-62, CONSULT. TEST DEVELOP. & ASSESSMENT, 62- U.S.N., 42-45, Lt. Comdr. Fel. Psychol. Asn; Statist. Asn. Personnel psychology; test construction in industry; statistics in education. Publ: Co-auth, Rev. of research on the selection of computer programmers, Personnel Psychol; Limitations on the use of strong sales keys for selection and counseling & Comparative study of programmed and conventional instruction in industry, J. Appl. Psychol. Address: International Business Machines Corp, 590 Madison Ave, New York, N.Y. 10022.

McNATT, PROF. E(MMETT) B, b. Aurora, Mo, Sept. 23, 02; m. 32. ECONOMICS. A.B. Missouri, 25; A.M. Cornell, 28, Ph.D., 32. Assoc. prof, Alfred, 34-35; asst. prof, N.C. State Col, 35-39; ECON, ILLINOIS, URBANA, 39-42, assoc. prof, 45-47, PROF, 47- Dir. wage stabilization, War Labor Bd, 42-45. Econ. Asn; Indust. Rel. Res. Asn. Labor economics. Publ: Labor relations in the air transport industry, 1947-1957; The merged AFL-CIO Federation; Compulsory arbitration and public policy. Address: Dept. of Economics, University of Illinois, 327 Commerce Bldg, Urbana, Ill. 61801.

MacNAUGHTON, PROF. JOHN F(FREDERICK), b. B.C., Oct. 7, 18; nat; m. 41; c. 2. PSYCHOLOGY. A.B. Adrian Col, 39; M.A. Michigan, 40; Illinois, 40-42; Ph.D.(psychol), Northwestern, 48. Asst. prof. PSYCHOL, Mich. State, 48-50; PROF, HOUSTON, 50- Ford Found. faculty fel, 54-55. Indust. consult. U.S.A.A.F., 42-46. AAAS; Psychol. Asn. Human relations in industrial supervision; problem solving skills. Publ: Co-auth, The anatomy of a workforce reduction, Center Res. Bus. & Econ, Univ. Houston, 66. Address: 806 San Marino, Sugar Land, Tex. 77478.

McNAUGHTON, PROF. WAYNE L(ESLIE), b. Topeka, Kans, Mar. 23, 02; m. 29; c. 2. INDUSTRIAL RELATIONS. B.S. Illinois, 27; M.S. Columbia, 35, Ph.D. 41. Head indust. surv. dept, Armour & Co. N.Y. 29-38; assoc. prof. mkt. & mgt, North Dakota, 38-40, prof, 40-41, head dept, 38-41; instr. mgt. & indust, GRAD. SCH. BUS. ADMIN, CALIFORNIA, LOS ANGELES, 41-44, asst. prof, 44-49, assoc. prof. personnel mgt. & indust. rels, 49-57, prof. BUS. ADMIN, 57-68, EMER. PROF, 68- Civilian specialist, Shrivensham Am. Univ, Eng, 45; adv, Sch. Indust. Orgn, Spain, 57. Managing ed, Calif. Mgt. Rev, 62-68. Indust. Rel. Res. Asn; Econ. Asn; Acad. Arbit. Labor law; arbitration; motion study; employee security. Publ: Industrial relations and the government; Introduction to business enterprise. Address: Graduate School of Business Administration, University of California, Los Angeles, Calif. 90024.

McNEAL, DR. BENJAMIN F(RANKLIN), b. Swiftown, Miss, Mar. 19, 17; m. 41; c. 5. PSYCHOLOGY. B.A. Mississippi, 38; M.A. Wesleyan, 40; Ph.D.(psychol), Pennsylvania, 50. Lab. asst. psychol, Yale, 40-41; asst. exam, U.S. Civil Serv. Cmn, 41-43; psychol. trainee, Vet. Admin. Univ. Pennsylvania, 46-50, acting chief psychologist, VET. ADMIN. HOSP. CANANDAIGUA, N.Y., 50-51, chief clin. psychol, 51-67, CLIN. PSYCHOLOGIST, 67-, chief training unit, 53-54. Clin. assoc. col. arts & sci, Rochester, 53. U.S.N., 43-46, Lt. AAAS; Psychol. Asn. Diagnostic testing; therapy; problems in assessing suicide potential among psychiatric patients; effect of accurate forecasts on length of hospital stay of psychiatric patients. Publ: The role of the ward psychologist; co-auth, Combined MMPI and demographic data in predicting length of neuropsychiatric hospital stay, J. Consult. Psychol, 2/64 & Problems in assessing suicide potential among psychiatric patients, Psychiat. Quart, 10/66. Address: Veterans Administration Hospital, Canandaigua, N.Y. 14424.

McNEAL, DR. R(Obert) H(ATCH), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

McNEAL, PROF. ROY WILSON, b. Dallas Co, Mo, June 23, 91; m. 13; c. 1. GEOGRAPHY. B.S. Arizona, 17; M.S. California, 41; Doctor en Lètras, Nat. Univ. Mexico, 50. Prof. chem. & geol, Albany Col, 17-23; dir. athletics, Col. Puget Sound, 23-25; PROF. GEOG, SOUTH OREGON COL, 27- Nat. Coun. Geog. Ed; Chem. Soc. Field studies in geographic analysis for planning and land utilization; methods and materials in teaching of geography. Address: Dept. of Geography, Southern Oregon College, Ashland, Ore. 97520.

McNEE, PROF. ROBERT B(RUCE), b. Big Timber, Mont, Aug. 20, 22; m. 49, 54; c. 5. GEOGRAPHY. B.A. Wayne, 49; M.A. Syracuse, 50, univ. fel, 51-52, Ph.D.(geog), 53; Fulbright grant, Italy, 52-53. Lectr. econ. geog, City Col. New York, 52-53, asst. prof, 53-61, assoc. prof, 61-63; PROF. GEOG. & HEAD DEPT, CINCINNATI, 63- Res. grants, Found. Econ. Ed, summers

56, 61, City Col. New York Fund, 61-63 & Nat. Sci. Found., 65-68. Consult, Ford Found., 62-63. Mem. rapid excavation cmt, Nat. Acad. Sci., 67-68. U.S.N., 43-46. Asn. Am. Geog. Soc. Nat. Coun. Geog. Ed.; Royal Geog. Soc. Economic and urban geography. Publ: Changing relationships of economics and economic geography, Econ. Geog., 35: 189-198; New York, In: Geography of New York State, 66; Education of a geographer: 1962-1967, J. Geog., 68. Address: Dept. of Geography, University of Cincinnati, Cincinnati, Ohio 45221.

McNEELY, DR. HAROLD E(LLIS), b. Peru, Nebr., July 28, 26; m. 50; c. 2. CLINICAL PSYCHOLOGY. B.S., Nebraska, 49, Ph.D.(psychol.), 55. Private practice, 55- Clin. psychologist, Maricopa Child Guid. Clin., 55-59; mem. consult. staff, Camelback Hosp., 58- Dipl. Am. Bd. Exam. Prinf. Psychol., 63. U.S.N., 44-46. AAAS; Psychol. Asn. Projective techniques; psychotherapy; personality theory. Address: 4763 N. 53rd St, Phoenix, Ariz. 85018.

McNEELY, PROF. JOHN G(ORDON), b. Avon, S.Dak., Nov. 24, 12; m. 35; c. 3. AGRICULTURAL ECONOMICS. B.S. S.Dak. State Col. 32. M.S. 33: Ph.D. (econ), Wisconsin, 41. Instr. agr. econ, Arkansas, 37-39; agr. economist, U.S. Dept. Agr. 39-43, area supvr. farm labor, 46-47; PROF. AGR. ECON., TEXAS A&M, 47- U.S.N.R., 44-45, Lt. Agr. Econ. Asn. Livestock marketing. Publ: Livestock auctions in Texas; Texas livestock auction markets and Wool marketing problems in Texas, Tex. Agr. Exp. Sta. Bull. Address: Dept. of Agricultural Economics, Texas A&M University, College Station, Tex. 77843.

McNEELY, PROF. PAUL RAY, b. Deputy, Ind., Apr. 3, 15; m. 42; c. 1. EDUCATIONAL PSYCHOLOGY. A.B., Marion Col.(Ind.), 47; Ed.M., Cincinnati, 50; Ed.D.(ed. psychol.), Indiana, 58. Asst. prof. PSYCHOL., George Fox Col., 50-53; instr., Northwest Nazarene Col., 53-54; ASSOC. PROF., Asbury Col., 56-62; LOCK HAVEN STATE COL., 62- Med.C., U.S.A., 42-45. Psychol. Asn. Adolescent and high school psychology; abnormal psychology. Publ: Materials, techniques and methods in teaching psychology in 34 secondary schools, Trans. Ky. Acad. Sci., 1-2: 6-9; Psychology at the secondary school level in Pennsylvania, Pa. Psychologist, 7/67. Address: Dept. of Psychology, Lock Haven State College, Lock Haven, Pa. 17745.

McNEIL, DR. ALVIN J., b. Jackson, Miss., Apr. 12, 20; m. 51. POLITICAL SCIENCE. A.B. Tenn. Agr. & Indust. State, 47; M.A., Boston, 51; Ed.D., Denver, 60. Asst. prin. Childress Voc. High Sch., 47-49; head dept. soc. sci. & registr., Miss. Voc. Col., 51-58; assoc. prof. polit. sci., GRAMBLING COL., 58-61, prof., 61-63, HEAD DEPT. SOC. SCI., 63- U.S.A., 42-44. Am. Polit. Sci. Asn; Acad. Polit. & Soc. Sci.; Int. Polit. Sci. Asn. Publ: Personnel administration in the state government of Tennessee; Role of the social science teacher in a vocational college. Address: P.O. Box 66, Grambling, La. 71245.

McNEIL, DR. ELAINE OGDEN, b. Waterbury, Conn., Dec. 10, 13; m. 39; c. 1. SOCIOLOGY. A.B., Chicago, 36, A.M., 38; fel., Kansas, 64-65, Ph.D.(sociol.), 67. Supvr. Negro community, land use, Work Projs. Admin, Ill., 38-41; instr. soc. statist., Denison, 42; soc. anthropol., sociol. & Negro in Am., Coe Col., 47-50; SOCIOL., ARKANSAS, 58-63, ASST. PROF., 66- Dir. res. Louisville Coun. Soc. Agencies, 40; ed. res. dir. & secy, Ark. Adv. Cmn. to U.S. Cmn. Civil Rights, 62-63. Methodology & res. consult, Horace R. Cayton & St. Clair Drake, 38-41. Sociol. Asn. The urban Negro; Negro-white relations; racial prejudice; southern whites in the civil rights movement. Publ: Co-auth, Research on the urban Negro, Am. J. Sociol., 9/41; auth, Policy makers and the public, Southwest. Soc. Sci. Quart., fall 58; Dynamics of Negro-white relations in the South, Kans. J. Sociol., winter 64. Address: Dept. of Sociology, University of Arkansas, Fayetteville, Ark. 72701.

McNEIL, PROF. ELTON B(URBANK), b. Royal Oak, Mich., Jan. 1, 24; m. 46; c. 3. PSYCHOLOGY. B.A., Harvard, 48; Ph.D.(clin. psychol.), Michigan, 52. Instr. PSYCHOL., MICHIGAN, 52-53, asst. prof., 54-58, assoc. prof., 58-62, PROF., 62- U.S.A.A.F., 43-45. Psychol. Asn. Clinical and child psychology. Address: 2269 Westaire Court, Ann Arbor, Mich. 48103.

McNEILLAGE, PETER FRANCIS, b. Napier, N.Z., Sept. 28, 34; m. 65. PHYSIOLOGICAL PSYCHOLOGY. B.A., Canterbury, 57, M.A., 59; Can. Nat. Res. Coun. scholar, McGill, 60-61, Ph.D.(psychol.), 62. Sr. tutor psychol., Melbourne, 59; RES. PSYCHOLOGIST, HASKINS LABS, 61- Lectr., Barnard Col., 61- Psychol. Asn. Relation between brain function and behavior; language and speech, particularly the motor control of speech as well as other skilled behavior. Address: Haskins Labs, 305 E. 43rd St, New York, N.Y. 10017.

McNEILL, PROF. C(LARENCE) E(NEST), Econ, see 10th ed, Soc. & Behav. Vols.

McNEILL, DR. HARRY V(INCENT), b. New York, N.Y., Dec. 2, 06; m. 63. PSYCHOLOGY. B.A., St. Joseph's Sem., 27; scholar, 30-31; Belgian Am. Ed. Found., Inc. fel., Louvain, 32-33, Ph.D., 33. Instr. psychol., grad. sch., Fordham, 46-47; asst. prof., 36-38, sch. ed., 38-42; asst. gen. mgr., Obrig Labs, Inc., 46-47; asst. chief & br. chief psychologist, Vet. Admin., 47-49; clin. psychol. consult, New Eng. & Mid. Atlantic States, U.S. Pub. Health Serv., 49-62; ment. health prog. dir., Boston regional off., Nat. Inst. Ment. Health, 62-64, New York regional off., 64-67; COORDINATOR OF EVAL., MAIMONIDES COMMUNITY MENT. HEALTH CENTER, BROOKLYN, 67- Attend. psychologist, Grace Clin., N.Y., 51-56. Dipl. Am. Bd. Exam. Prinf. Psychol., 48. U.S.A.A.F., 42-46, Maj. Fel. AAAS; fel. Psychol. Asn; fel. Soc. Proj. Tech. (v.pres., 54). Community mental health; mental health education; individual and group psychotherapy. Publ: Contemporary developments in clinical psychology, Proc. Am. Cath. Philos. Asn; Freudians and Catholics, Commonweal; Motor adaptation and accuracy. Address: 1270 Fifth Ave, New York, N.Y. 10029.

McNEILL, PROF. ROBERT JOSEPH, b. Minneapolis, Minn., Nov. 2, 21; m. 49. POLITICAL SCIENCE. B.B.A., Minnesota, 43; M.A., California, Berkeley, 53, Ph.D.(polit. sci.), 59. Private indust., 43-45; budget officer, U.S. Dept. Army, Japan, 46-50; pub. admin. analyst, California, 51-54, asst. polit. sci., 54-56; asst. prof., Los Angeles State Col., 56-57; Purdue, 57-62, faculty fel., 59; asst. to gov., Ind., 62-63; faculty fel., Democratic Nat.

Cmt., 63-64; assoc. prof. POLIT. SCI., Wayne State, 64-67, faculty res. fel., 68; PROF., PA. STATE, CAPITOL CAMPUS, 67- Nat. Center Ed. Politics faculty fel., 62-64; Citizens' Res. Found. faculty res. grant, 64-65; Metrop. Fund faculty fel., 65; Nat. Inst. Pub. Affairs res. grant, 66-67. Summer vis. fel. polit. sci., Ohio State, 59. Mgt. Consult., 57- Polit. Sci. Asn; Soc. Pub. Admin; Acad. Polit. Sci. Organization theory; organizational behavior; politics and administration; policy formulation. Publ: Democratic campaign financing in Indiana, 1964, Indiana Univ., 66; Feasibility of mid-career education for local government employees in the Detroit Metropolitan Area, Wayne State, 66. Address: Graduate Administration Program, Pennsylvania State University, Capitol Campus, Middletown, Pa. 17057.

MacNEISH, DR. RICHARD S(TOCKTON), b. New York, N.Y., Apr. 29, 18; m. 45. ANTHROPOLOGY, ARCHAEOLOGY. B.A., Chicago, 40, Viking Fund grant & M.A., 45, Ph.D., 48; N.Am. Aboriginal fel., Michigan, 46-47. Archaeol. field supvr., Chicago, 39-40, 45; Works Progress Admin., 41-42; Ill. State Museum, 45; Michigan, 47; anthropologist, Nat. Mus. Can., 49-55, chief, archaeol. sect., 55-64; head, archaeol. dept., Calgary, 64-68; DIR. ARCHAEOLOG., R.S. PEABODY FOUND., 68- Am. Philos. Soc. res. grants, 53, 55-56, 58; Guggenheim fel., 55; Nat. Sci. Found. & Rockefeller Found. fells, 60. Lucy Wharton Drexel medal archaeol., Univ. Pennsylvania Mus., 65; Verrill medal archaeol., Yale, 66. U.S.A., 42-44. AAAS; Anthropol. Asn; Soc. Am. Archaeol. Illinois archaeology; archaeology of Northeast Mexico, Northwest Canada and of Manitoba; pre-historic pottery of northeastern North America; origins of New World agriculture; origins of agriculture and civilization in Tehuacan, Mex. & Huanta, Peru; early migrations in the New World as seen from the Yukon. Publ: Co-auth, Investigations in the Southwest Yukon, R.S. Peabody Found., 64; The prehistory of the Tehuacan Valley. Vol. II The non-ceramic artifacts, 67 & Vol. I The environment and subsistence, 68, R.S. Peabody Found. Address: Robert S. Peabody Foundation for Archaeology, Andover, Mass. 01810.

McNELLY, DR. GEORGE W(INFIELD), Psychol, see 10th ed, Soc. & Behav. Vols. Latest known address: 910 Wells St, Lafayette, Ind. 47905.

McNELLY, DR. JOHN T., b. Lancaster, Wis., Oct. 2, 23; m. 52; c. 2. JOURNALISM. B.A., Univ. Wis., 46, M.A., 57; Ph.D., Mich. State Univ., 61. Ed., Univ. Wis. News Serv., 46-48, news ed., 56-57; reporter, Assoc. Press, Milwaukee, Wis., 48-52; Reuters, Ltd., London, Eng., 52-53; ed. weekly newspapers, Calif. & Idaho, 53-56; from instr. to ASSOC. PROF., Mich. State, 57-66; JOUR., WISCONSIN, 66- Asst. res. dir., Inter-Am. Pub. Inform. Prog., San Jose, Costa Rica, 61-62. U.S.A.F., 43. Asn. Ed. Journalism; Int. Asn. Mass Commun. Res. International mass communication; role of mass communication in societal development; Latin America; diffusion of international affairs information in Latin America. Publ: Co-auth, El uso de los medios de comunicacion en una capital Latinoamericana, Inter-Am. Pub. Inform. Prog., 63 & Communication and social change in Latin America, Praeger, 68; auth, Mass communication and the climate for modernization in Latin America, J. Inter-Am. Studies, 66. Address: School of Journalism, University of Wisconsin, Madison, Wis. 53706.

McNELLY, PROF. THEODORE H(ART), b. Lancaster, Wis., Dec. 27, 19; m. 60. POLITICAL SCIENCE. B.Sc., Wisconsin, 41, M.A., 42; Georgetown, 44-46; Ph.D., Columbia, 52. Instr. French, pub. sch., Wis., 41-42; French & Eng., Kemper Mil. Sch., Mo., 42-43; res. analyst, security agency, U.S. Dept. Army, D.C., 43-46, civil intel. div., Far East Command, Japan, 46-48; instr. polit. sci., Washington (St. Louis), 51-53; GOVT. & POLIT., European div., MARYLAND, 53-55, asst. prof., 55-57, lectr., 57-58, Far East div., 58-60, asst. prof., 60-62, assoc. prof., 62-67, PROF., 67- Vis. assoc. prof., Columbia, summer 63, assoc. mem. univ. seminar modern Japan, 63-; course co-hmn, for. serv. inst., Dept. State, 67. Am. Polit. Sci. Asn; Asn. Asian Studies; Acad. Polit. Sci.; Asiatic Soc. Japan. Japanese constitutional history; Far East politics; international relations. Publ: Nihon no Kempo Kaisai ni taisuru Kokunaiteki, Kokusaiteki Eikyō; Contemporary government of Japan, Houghton, 63; ed, Sources in modern East Asian history and politics, Appleton, 67. Address: Dept. of Government & Politics, University of Maryland, College Park, Md. 20740.

McNEMAR, DR. OLGA W(ILLIAMSON), b. Ft. Branch, Ind., June 15, 08; m. 31. PSYCHOLOGY. A.B., Stanford, 31; M.A., Columbia, 34, Ph.D.(psychol.), 50. Asst., Stanford, 35-37, 38-41, 43-44, res. assoc., 44-49, 50-52, res. psychologist, 52-65; RES. ASSOC. PSYCHOL., TEXAS, AUSTIN, 66- AAAS; Psychol. Asn. Problem solving and thinking. Publ: Ordering of individuals in CFF under different measurement conditions, Am. J. Psychol.; Attempt to differentiate between individuals with high and low reasoning ability, J. Gen. Psychol.; Childhood disease and emotional maturity in the psychopathic woman, J. Abnorm. & Soc. Psychol. Address: Dept. of Psychology, University of Texas, Austin, Tex. 78712.

McNEMAR, PROF. QUINN, b. Greenland, W.Va., Feb. 20, 00; m. 31. PSYCHOLOGY. A.B., Juniata Col., 25; Ph.D.(psychol.), Stanford, 32. Instr. psychol., Stanford, 31-35, asst. prof., 35-37; assoc. prof. ed. psychol., Fordham, 37-38; assoc. prof. psychol. & ed., STANFORD, 38-41, 43-48, prof., 48-65, EMER. PROF. PSYCHOL., 65-; PROF., TEXAS, 65- Soc. Sci. Res. Coun. fel., Chicago, Columbia & Michigan, 33-34; vis. fel., Princeton, 38. Consult, Off. Naval Res; Nat. Sci. Found; Vet. Admin. Mem. staff, Soc. Sci. Res. Coun., 41-43, 44-; dir., 63-66; mem. behav. sci. study sect., Nat. Insts. Health, 63-67. AAAS; fel. Psychol. Asn.(pres., 64); Psychomet. Soc.(pres., 51). Statistics; test theory. Publ: Revision of the Stanford-Binet Scale, Houghton, 42; Psychological statistics, Wiley, 49, 55, 62. Address: Dept. of Psychology, University of Texas, Austin, Tex. 78712.

McNETT, DR. CHARLES W(ILLIAM), JR., b. Alexandria, Va., Nov. 6, 38; m. 64. ANTHROPOLOGY, ARCHAEOLOGY. B.A., Tulane, 59, Ph.D.(anthropol.), 67. Instr. sociol. & anthropol., Bethany Col., 62-63; asst. prof. ANTHROP., East Stroudsburg State Col., 63-64; Baylor, 64-67; AMERICAN UNIV., 67-68, ASSOC. PROF., 68- Anthropol. Asn; Soc. Am. Archaeol.; Soc. Hist. Tech. Archaeology of Meso-America and northeastern United States; technology; cross-cultural methodology; computer applications in anthropology and archaeology. Publ: A settlement pattern scale of cultural complexity, In: Handbook of method in cultural anthropology, Natural Hist.

- Press, (in press); co-auth, A suggested method of drawing random samples in cross-cultural research. *Am. Anthropologist*, (in press); auth, Brodhead-Heller: preliminary report on a stratified transitional period site on the upper Delaware, Pa. *Archaeologist*, (in press). Address: Dept. of Anthropology, American University, Washington, D.C. 20016.
- McNEW, PROF. BENNIE BANKS, b. Greenbrier, Ark, Nov. 12, 31; m. 56; c. 3. **ECONOMICS, FINANCE**. B.S. Ark. State Teachers Col, 53; M.B.A., Arkansas, 54; Ph.D.(bus), Texas, 61. Asst. nat. bank examiner, U.S. Dept. Treas, 54-56; indust. specialist, indust. res. & exten. center, Arkansas, 56-59; PROF. **ECON. & FINANCE**, MISSISSIPPI, 61- U.S.A., 50-51. Econ. Asn. Banking operations and management; monetary theory. Publ: Co-auth, Fraud control for commercial banks, 62 & Case book for money and banking, 66, Irwin. Address: 218 Conner Hall, University of Mississippi, University, Miss. 38677.
- McNICKLE, PROF. D'ARCY, b. St. Ignatius, Mont, Jan. 18, 04; m. 38; c. 2. **ANTHROPOLOGY**. Montana, 21-25; Oxford, 26; Grenoble, 31; hon. Sc.D., Colorado, 66. Dir. tribal rels, U.S. Bur. Indian Affairs, 36-52; dir, Am. Indian Develop, 52-66; PROF. **ANTHROP. SASKATCHEWAN**, REGINA, 66- Guggenheim fel, 63-64. Mem, John Hay Whitney Found. Fel. Anthropol. Asn; fel. Soc. Appl. Anthropol. History of administrative policy toward American Indians; methodology in leadership training and health education. Publ: They came here first; The Indian tribes of the United States; co-auth, Indians and other Americans. Address: Dept. of Anthropology, University of Saskatchewan, Regina, Sask, Can.
- McNIECE, DR. DEWEY E, b. Hamburg, Ark, Oct. 19, 23; m. 43; c. 2. **ECONOMICS**. B.S., La. State, 52, M.S., 56, Ph.D.(econ), 61. Prof. econ, Arkansas State, 61-65; bus. admin, Baldwin Col, 65-67; fel, Columbia, 67; ASSOC. PROF. **ECON. LA. STATE**, 67- Econ. Asn. Investments; marketing. Address: 8515 Youree Dr, Shreveport, La. 71105.
- MacNIVEN, DR. HUGH GORDON, b. Lethbridge, Alta, Oct. 16, 21; U.S. citizen; m. 50; c. 3. **POLITICAL SCIENCE, PUBLIC ADMINISTRATION**. B.A., Western Ontario, 44; M.A., Stanford, 48; Ph.D.(polit. sci), Minnesota, 60. Asst. prof. journalism, Utah, 48-51; field rep, League Minn. Municipalities, 52-55; training assoc, inst. local govt, Pittsburgh, 55-60, assoc. res. prof. pub. admin, univ, 60-66, chief of party, univ. proj. in Nigeria, 62-64; PROF. **POLIT. SCI, OKLAHOMA**, 66- Participant, reconnaissance study, U.S. Agency Int. Develop, Yugoslavia, 61, Northern Nigeria, 61; inst. building study, Nigeria, 66. Consult, post doctoral prog. sci. & admin, Manned Space Craft Center, NASA, Tex, summer, 67. Soc. Pub. Admin; Polit. Sci. Asn. Development administration; institution building; comparative administration. Publ: Co-auth, Public administration education in Northern Nigeria, U.S. Agency Int. Develop, 61; Observations in administrative developments in Yugoslavia, Univ. Pittsburgh, 66. Address: Dept. of Political Science, University of Oklahoma, Norman, Okla. 73069.
- McNIVEN, DR. M(ALCOLM) A(LBERT), b. Oceanside, N.Y., Dec. 8, 29; m. 54; c. 3. **EXPERIMENTAL PSYCHOLOGY**. A.B., Denison, 51; M.S., Ohio, 52; Instructional Film Res. Prog. fel, Pa. State, 52-55, Ph.D.(exp. psychol), 55. Instr. psychol, Maryland, 55-56; supvr. indust. test. servs, Pa. State, 56-57; mgr. advert. res. sect, E.I. du Pont de Nemours & Co, 57-67; MGR. MKT. RES. DEPT, COCA-COLA CO, 67- Psychol. Asn; Asn. Pub. Opinion Res. Attitude measurement; learning and motivation in humans and animals; operations research. Publ: Social-releaser mechanisms in birds—a controlled replication of Tinbergen's study, *Psychol. Record*. Address: The Coca-Cola Co, P.O. Box 1734, Atlanta, Ga. 30301.
- McNULTY, DR. JOHN ARTHUR, b. Moncton, N.B., Aug. 18, 34; m. 58; c. 2. **PSYCHOLOGY**. B.A., Toronto, 58, M.A., 60, Can. Coun. fel, 61-62, Ph.D. (psychol), 63. Asst. prof. **PSYCHOL**, British Columbia, 62-63; DALHOUSIE, 63-66, ASSOC. PROF. 66- AAAS; Am. Psychol. Asn; Psychonomic Soc; Can. Psychol. Asn. Mediating processes in verbal recall and recognition; effects of terrain upon perceived size and distance; behavioral and physiological concern. Publ: An analysis of recall and recognition processes in verbal learning, *J. Verbal Learning & Verbal Behav*, 65; A partial learning model of recognition memory, *Can. J. Psychol*, 66; co-auth, The subthreshold perception of stimulus meaning, *Am. J. Psychol*, 67. Address: Dept. of Psychology, Dalhousie University, Halifax, N.S., Can.
- McNULTY, DR. MARIAN STEVER, b. Quakertown, Pa, Sept. 24, 29; m. 60; c. 3. **ECONOMICS**. B.A., Goucher Col, 51; M.A., Vanderbilt, 53; Ph.D., Cornell, 62. Instr. econ, Hobart Col. & William Smith Col, 57-60, res. asst. high ed. State Univ. N.Y., 60-61, asst. prof. econ, State Univ. N.Y. Cortland, 61-62. Econ. Asn. Investigation of consequences of the New York State minimum wage order for retail trade. Publ: Need for economic literacy, *The Bulletin*. Address: 13 Stuart St, Waldwick, N.J. 07463.
- McNULTY, PROF. MATTHEW FRANCIS, JR, b. Elizabeth, N.J., Nov. 26, 14; m. 46; c. 2. **HOSPITAL ADMINISTRATION**. B.S., St. Peters Col, 38; Rutgers, 39-41; M.H.A., Northwestern, 49; M.P.H., North Carolina, 52. Actuarial writer & mgt. trainee, Prudential Life Ins. Co, N.J., 38-41; dir. med. admin, Vet. Admin, Ill. & D.C. & asst. mgr. for opening new med. sch-Vet. Admin. Hosps, Arkansas, Alabama & Northwestern, 46-54; PROF. **HOSP. ADMIN, ALABAMA**, 54- PROF. **PREV. MED, MED. COL. ALA**, 63- DEAN **SCH. HEALTH SERV. ADMIN, UNIV**, 66-, adminstr, univ. hosp. & Hillman Clin, 54-63, gen. dir. univ. hosps. & clin, 63-66. Instr, Northwestern, 52-54; preceptor, grad. prog. hosp. admin, Iowa, Minnesota & George Washington; assoc. dir, Am. Coun. Med. Cols. & dir, Coun. Teaching Hosps, 66- Mem. adv. cmn. health res. proj, Pittsburgh, 56-60; health res. adv. cmn, Ga. Inst. Tech, 59-65; adv. cmn. hosp. dir, W. K. Kellogg Found, 60-65; health serv. res. study sect, Nat. Insts. Health, 63-67; chmn, Coun. Teaching Hosps, 64-65. Award, Am. Sys. Mgt. Soc, 65. U.S.A.A.F., 41-46, Lt. Col. Fel. Pub. Health Asn; fel. Col. Hosp. Adminstr; Hosp. Asn; Asn. Am. Med. Cols; Soc. Adv. Mgt. Arizona Medical School Study Commission; more effective and broader delivery of health services; development of leaders and analysis of organizational and management theory for medical centers. Address: School of Health Services Administration, University of Alabama, University, Ala. 35233.
- McNULTY, DR. MICHAEL LEIGH, b. Charleroi, Pa, Apr. 7, 41; m. 62; c. 1. **GEOGRAPHY**. B.S., California State Col.(Pa), 62; Nat. Defense Ed. Act fel, Northwestern, 62-65, M.A., 64, Ph.D.(geog), 66. ASST. PROF. **GEOG, INDIANA**, 66- AAAS; Asn. Am. Geog; Regional Sci. Asn. Urban and economic geography especially the geographical aspects of the process of economic development. Address: Dept. of Geography, Indiana University, Bloomington, Ind. 47401.
- McNULTY, DR. PAUL JAMES, Econ. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MACON, DR. HERSHAL L(UTHER), b. Ramseur, N.C., Dec. 14, 00; m. 29; c. 2. **ECONOMICS**. B.S., Guilford Col, 24; M.A., Haverford Col, 25; Ph.D. (econ), North Carolina, 32. Instr. econ, North Carolina, 29-30; from asst. prof. to assoc. prof, Ala. Polytech. Inst, 30-33; acting assoc. prof. pub. finance, North Carolina, 33-34; res. assoc, inter-state cmn. conflicting taxation, Coun. State Govt, Ill, 34-35; **ECONOMIST, TENN. VALLEY AUTHORITY**, 35- Vis. prof, Tennessee, 67-68. Econ. Asn. Governmental financing; intergovernmental fiscal relations; regional resource development. Publ: Co-auth, Upon its own resources; auth, first tax systems of North Carolina, *Bull. Nat. Tax Asn*; Payments in lieu of state and local taxes, *South. Econ. J.* Address: 3425 Timberlake Rd. S.W., Knoxville, Tenn. 37920.
- McPARTLAND, PROF. THOMAS S(TOEHR), b. Cedar Rapids, Iowa, Oct. 20, 18; m. 47; c. 3. **SOCIAL PSYCHOLOGY**. B.A., Coe Col, 47; Ph.D.(sociol), Iowa, 53. Asst. sociol, Iowa, 49-51, instr, 51-53, res. assoc. soc. psychol, 52-53; asst. prof. sociol, South Dakota, 53-54, assoc. prof. & head dept, 54-56; res. assoc, Community Studies, Inc, Mo, 56-57; proj. dir, Greater Kansas City Ment. Health Found, Mo, 57-58, dir. res. dept, 59-65; sr. res. consult, Mich. Health & Soc. Res. Inst, 65-66; PROF. **SOCIOL. & ANTHROP. & CHMN. DEPT, ST. LOUIS**, 66- Lectr. & consult, Cincinnati, 66-; consult, U.S. Pub. Health Serv. Sociol. Asn; Statist. Asn. Symbolic behavior and communication; structure of interaction; self-conception and correlates; research methods. Publ: Co-auth, A community concern, C.C. Thomas, 65; Self-conception, social class and mental health, *Human Orgn*; Self-conception and ward behavior in two psychiatric hospitals, *Sociometry*. Address: Dept. of Sociology & Anthropology, St. Louis University, 221 N. Grand Blvd, St. Louis, Mo. 63103.
- MacPHAIL, PROF. ANDREW HAMILTON, b. Lawrence, Mass, Aug. 16, 91; m. 17; c. 2. **EDUCATIONAL PSYCHOLOGY**. Ph.B., Brown, 13, A.M., 14, Ph.D.(ed. psychol), 23. Asst. prof. psychol, Ind. State Norm. Sch, 20-21; asst. ED. **PSYCHOL, BROWN**, 21-23, from instr. to prof, 23-56, EMER. PROF., 56- Psychol. Asn. Intelligence and achievement measurement at college level. Publ: Intelligence of college students. Address: 172 Congdon St, Providence, R.I. 02906.
- McPHAIL, DR. (S) CLARK, b. Oklahoma City, Okla, Mar. 19, 36; m. 59; c. 2. **SOCIOLOGY, SOCIAL PSYCHOLOGY**. A.B., Pasadena Col, 58; M.A., Oklahoma, 61; Nat. Sci. Found. summer fel, Mich. State, 63, Ph.D.(sociol), 65. Instr. **SOCIOL**, Beloit Col, 64-66; ASST. PROF. **SOUTH CAROLINA**, 66- Sociol. Asn; Soc. Study Soc. Probs. Social interaction; self identification; crowd behavior and public opinion process. Publ: Co-auth, Social interaction on a metabolic ward, *J. Psychosom. Res*, 63 & Interaction, emotion and physiologic change, *J. Health & Human Behav*, 63. Address: Dept. of Sociology, University of South Carolina, Columbia, S.C. 29208.
- MacPHAIL, PROF. D(ONALD) D(UGALD), b. Dayton, Ohio, Mar. 13, 22; m. 50. **GEOGRAPHY**. B.S., Mich. State, 47; M.A., Michigan, 49, fels, 49-50, 51-52, Ph.D.(geog), 53. Dist. chief rural land classification prog, div. agr. econ, Puerto Rico, 50-51; asst. prof. **GEOG**, West. Wash. Col, 52-56; **COLORADO**, 56-60, from assoc. prof. & chmn. dept. to PROF., 60- Fulbright lectr, inst. geog, Univ. Chile, 59-60; faculty res. fel, Colorado, 60. Summer vis. prof, Mich. State, 56. U.S.A., 42-46. Asn. Am. Geog; Am. Geog. Soc. Rural land classification and planning; regional geography of Latin America; cartography and field mapping. Publ: Land tenure problems in southern Puerto Rico & Pastoral land use changes in southern Puerto Rico, *Ann. Asn. Pac. Coast Geog*; Cattle farms of southern Puerto Rico, *Symposium*. Address: Dept. of Geography, University of Colorado, Boulder, Colo. 80304.
- MacPHEE, DEAN E(ARLE) D(UGLAS), b. Millstream, N.B., 94; m. 26; c. 3. **BUSINESS ADMINISTRATION**. M.A. & M.Ed., Edinburgh, 20; LL.D. Alberta, 59; British Columbia, 61. Lectr. psychol, Acadia, 20-21; asst. prof, Alberta, 21-24; Toronto, 24-29; comptroller, Woods Underwear Co, 29-37; v-pres, J.D. Woods & Co, 32-37; managing dir, Dent, Allcroft & Co, 37-41, dep. chmn, 41-50; dean faculty commerce & bus. admin. & hon. bursar, British Columbia, 50-60, dean admin. & financial affairs, 60-63; v.chmn. & dean, Banff Sch. Adv. Mgt, 53-65. Dir, Prod. Eng. Ltd, 34-50; Matton Investment Trust, 37-53; Ceroux Mousty, Ltd, 37-50; mgr. dir, Alginate Indust, Ltd, 44-50; dir, G.F. Strong Rehab, 58. Can. Army, 16-19. AAAS. Industrial psychology; mental hygiene; business policy. Publ: Tree fruit industry of British Columbia, *Queen's Printer*, 10/58; Manning, B.C. Towing Indust, 1/66; B.C. Pharmacy Planning Commission, 5/67. Address: Apt. 121, 4875 Valley Dr, Vancouver 13, B.C., Can.
- MacPHEE, PROF. HALSEY M(YRON), b. Canton, N.Y., Sept. 28, 06; m. 32. **PSYCHOLOGY**. B.S., St. Lawrence, 30, M.A., 32; Ph.D.(psychol), North Carolina, 40. Instr. bus. psychol, North Carolina, 39-40, asst. prof, 40-41; **PSYCHOL**, Bucknell, 41-46; PROF. **DELAWARE**, 46-, chmn. dept, 46-61. U.S.N.R., 43-46, Lt. Comdr. Fel. AAAS; fel. Psychol. Asn. General experimental psychology; history of psychology; personality. Publ: Co-auth, Mental retardation, *Univ. Delaware*, 63. Address: Dept. of Psychology, University of Delaware, Newark, Del. 19711.
- McPHEE, PROF. WILLIAM M(ILLER), b. Greenock, Scotland, July 24, 06; nat; m. 37; c. 3. **SOCIAL WORK**. B.A., Utah, 36, M.A., 37, Ph.D.(psychol), 49. Instr. schs, Utah, 37-41; res. fel. psychol, Iowa, 41-42; instr. navig, Iowa Preflight Sch, 42-45; psychol. Col. Ed. Albion, Idaho, 45-46; sociol, UTAH, 46-49, asst. prof, 49-50, assoc. prof, 50-58, PROF., 58-60, SOC. WORK, 60- Dir. res. grants, U.S. Dept. Health, Ed. & Welfare; dir. regional

- rehab. res. inst. Soc. Rehab. Admin, 64- Mem. steering cmt. Am. Found. Blind, 63-66. Sociol. Asn; Psychol. Asn; Coun. Soc. Work Ed. Social psychology; mental hygiene; statistics. Publ: Co-auth, Adjustment of vocational rehabilitation clients, Voc. Rehab. Admin, 63; co-auth, Activities and problems of the rural blind in Utah, 63 & Interpersonal relationships in rehabilitation counseling, 67, Univ. Utah. Address: 1257 E. Crystal Ave, Salt Lake City, Utah 84106.
- McPHEE, PROF. WILLIAM N(ORVELL), b. Denver, Colo, Mar. 7, 21; m. 44; c. 3. SOCIOLOGY. Ph.D.(sociol), Columbia, 58. Partner, Res. Serv, Inc, 45-51; res. assoc. SOCIOL, bur. appl. soc. res, Columbia, 51-62, lectr. grad. sch, 58-62; PROF, COLORADO, 62- V-pres, Simulmatics Corp, 59- Mem. bd, Res. Serv, Inc, 45- U.S.A.A.F, 42-45. Mass behavior; mathematical sociology. Publ: Formal theories of mass behavior; co-auth, Voting, and public opinion and congressional elections. Address: Dept. of Sociology, University of Colorado, Boulder, Colo. 80304.
- McPHERON, DR. EDWIN B(URL), b. Rochester, Ind, July 24, 14; m. 41; c. 1. GOVERNMENT. A.B, Indiana, 38, Ph.D, 45; Minnesota, 39-40. ASSOC. PROF. GOVT. & DIR. BUR. GOVT. RES, INDIANA, 45- Consult, State Bd. Health, Ind. Mem. State Flood Control & Water Resources Cmn, Ind. U.S.A, 43-45. Polit. Sci. Asn. Local and state government; fiscal ability of Indiana counties; state school relief; city and natural resources planning. Address: Dept. of Government, College of Arts & Sciences, Indiana University, Bloomington, Ind. 47405.
- McPHERON, DR. ALAN, b. Chicago, Ill, Apr. 3, 29; m. 57; c. 1. ANTHROPOLOGY, ARCHAEOLOGY. B.A, Chicago, 57; M.A, Michigan, 62, Ph.D. (anthrop), 66. Instr. ANTHROP, PITTSBURGH, 63-66, ASST. PROF, 66- Wenner-Gren Found. Anthropol. Res. grant-in-aid, surv. Cuicatlan Valley, Oaxaca, Mexico, 65; Int. Develop. Fund grant, archaeol. surv. Yugoslavia, 66. Mem. Int. Union Prehist. & Protohist. Sci. U.S.A, 55-56. AAAS; fel. Anthropol. Asn; Soc. Am. Archaeol. Archaeology of early agricultural societies; cultural ecology; archaeological theory and methods; human evolution. Publ: The Juntunen site and the late woodland prehistory of the upper Great Lakes area, Univ. Michigan Mus. Anthropol, 67. Address: Dept. of Anthropology, University of Pittsburgh, Pittsburgh, Pa. 15213.
- MacPHERSON, PROF. A. b. Campbelltown, Scotland, Sept. 28, 22. GEOGRAPHY, CLIMATOLOGY. M.A. Edinburgh, 50. Asst. lectr. GEOG, Edinburgh, 51-54, lectr, 56-61, sr. lectr, 61-65; lectr, Aberdeen, 54-56; PROF. & HEAD DEPT, SIMON FRASER UNIV, 65- Vis. prof, British Columbia, 58-59, summer 61 & 63. R.A.F, 41-46, Flight Lt. Royal Scottish Geog. Soc; fel. Royal Meteorol. Soc; Am. Geog. Soc; Asn. Am. Geog; Can. Asn. Geog; Regional Sci. Asn. Land use problems in upland areas of United Kingdom; air pollution in relation to weather types. Publ: Co-auth, Selkirk and Peebles, In: Third statistical account of Scotland, Nelson, 65. Address: Dept. of Geography, Simon Fraser University, Burnaby 2, B.C., Can.
- MACPHERSON, PROF. C(RAWFORD) BROUGH, b. Toronto, Ont, Nov. 18, 11; m. 43; c. 3. POLITICAL SCIENCE. B.A, Toronto, 33; M.Sc, London, 35, D.Sc, 55. Lectr. POLIT. SCI, TORONTO, 35-42, 44-45, asst. prof, 45-51, assoc. prof, 51-56, PROF, 56- Acting prof, New Brunswick, 42-43; exec. officer, Wartime Info. Bd, Can, 43-44; fel. Churchill Col, Eng, 67-68. Polit. Sci. Asn; Soc. Polit. & Legal Philos; fel. Royal Soc. Can; Can. Polit. Sci. Asn. Comparative party systems; democratic political theory. Publ: Democracy in Alberta: the theory and practice of a quasi-party system, Univ. Toronto, 53; Political theory of possessive individualism, 62 & The real world of democracy, 66, Oxford Univ. Address: Dept. of Political Economy, University of Toronto, Toronto, Ont, Can.
- McPHERSON, E(DWIN) M(ALCOLM), Econ, Law, see 10th ed, Soc. & Behav. Vols.
- McPHERSON, DR. GERTRUDE HUNTINGTON, b. Yonkers, N.Y, Dec. 15, 23; m. 47; c. 2. SOCIOLOGY. B.A, Swarthmore Col, 43, M.A, Wisconsin, 45; Danbury State Col, 55-57; Ph.D.(sociol), Columbia, 66. Instr. sociol, N.J. Col. Women, 47-48; Wellesley Col, 48-52; teacher, Washington Consolidated Sch, Conn, 56-66; ASST. PROF. sociol. & Am. hist, Connecticut, Torrington, 66-68; SOCIOL, SASKATCHEWAN, 68- AAAS; Sociol. Asn. Sociology of knowledge; the role of the teacher. Address: Dept. of Sociology, University of Saskatchewan, Saskatoon, Sask, Can.
- McPHERSON, DR. H. J., b. Newry, Ireland, May 28, 39; Can. citizen; m. 65. GEOGRAPHY. B.A, Queen's (Belfast), 61; M.Sc, Alberta, 63; Nat. Res. fel, 64-65; Ph.D.(geog), McGill, 67. Lectr. GEOG, QUEEN'S (ONT), 65-67, ASST. PROF, 67- Nat. Res. grant in aid, 67-68. Asn. Am. Geog; Can. Asn. Geog; Int. Asn. Hydraul. Res. Fluvial and glacial geomorphology; hydrology and water resources; drainage basin and sediment yield studies. Address: Dept. of Geography, Queen's University, Kingston, Ont, Can.
- MacPHERSON, PROF. JAMES ROBERT, b. Great Falls, Mont, Feb. 7, 21; m. 47; c. 4. SPECIAL EDUCATION. B.A, Col. Great Falls, 48; M.A, Galaudet Col, 51; Ph.D.(ed. psychol), Texas, 60. Head teacher, blind dept, Mont. Sch. Deaf & Blind, 53-56; child guid, Tex. Sch. Deaf, 56-57; coordinator, N.Mex. Sch. Deaf, 59-60; assoc. prof. SPEC. ED, SAN JOSE STATE COL, 60-64, PROF, 64-, HEAD DEPT, 60- Res. assoc. ment. retardation proj, Univ. Texas, 57-59. Consult, supt. schs, Santa Clara County, 62-; Sonoma State Hosp, 63-64; Rancho Linda Sch. 63-65; Porterville State Hosp, 65; Agnews State Hosp, 66- U.S.A.F, 41-46, 51-53, Res, 53-67, Lt. Col. AAAS; Asn. Ment. Deficiency; Coun. Except. Children; Psychol. Asn. Behavior modification of the state hospital; use of gaming/simulation techniques for training teachers of severely retarded children. Publ: Co-auth, The evaluation and development of techniques for testing the auditory acuity of trainable mentally retarded children, Univ. Texas, 59 & What about the deaf or hard of hearing mentally deficient?, Training Sch. Bull, 6/51; auth, The status of the deaf and/or hard of hearing mentally deficient in the United States, Am. Ann. Deaf, 9 & 11/52. Address: Dept. of Special Education, San Jose State College, San Jose, Calif. 95114.
- McPHERSON, PROF. JAMES ROLAND, b. Beverly, Mass, Sept. 21, 19; m. 43; c. 3. ECONOMICS. A.B, Harvard, 41, Ed.M, 55, fel, 56-57; M.B.A, Boston, 46, A.M, 55; C.P.C.U, Am. Inst. Property & Liability Underwriters, 57. Instr. econ, Boston, 46-48; ASST. PROF. ECON. & FINANCE, BOSTON COL, 48- Pres, McPherson Ins, Inc, 48-; C.R. Milnes Ins. Agency, 55-; dir. mgt, Commonwealth of Mass, 63-; 1st v-pres, Marblehead Trust Co, 65-; dep. chmn. bd. dirs. & treas, Irish Int. Bank Ltd. Dublin, 66-; pres, Jos. B. Hills, Ins. Inc. N.H, 67; cmnr. trust funds, City of Beverly, 68- U.S.A.A.F, 42-44. Econ. Asn; Finance Asn. Financial management; business policy. Address: 11 Evergreen Dr, Beverly, Mass. 01915.
- McPHERSON, DR. MARION WHITE, b. Ft. Fairfield, Maine, July 10, 19; m. 53; c. 1. PSYCHOLOGY. B.A, Maine, 40, M.A, 41; Ph.D.(psychol), Indiana, 49. Instr. psychol, Wayne State, 48-49, 50-53; staff psychologist, Manor Hosp, Epsom Surrey, Eng, 49-50; Neuropsychiat. Clin. St. Louis, Mo, 53-58; prin. investr. & Nat. Inst. Ment. Health res. grant, 60-63; LECTR. PSYCHOL, AKRON, 63-, ASSOC. DIR, ARCH. HIST. AM. PSYCHOL, 67- Psychol. Asn; Asn. Ment. Deficiency; Soc. Proj. Tech. & Personality Assessment. Mental deficiency; child psychopathology; history of psychology. Publ: A method of objectively measuring shop performance, J. Appl. Psychol, 45; Learning and mental deficiency, Am. J. Ment. Deficiency, 58; co-auth, Perceptual carelessness, drawing precision, and oral activity among normal six-year-olds, Perceptual & Motor Skills, 66. Address: Dept. of Psychology, University of Akron, Akron, Ohio 44304.
- MacPHERSON, RONALD B(EVERLY), b. Port Elgin, N.B, July 10, 10; m. 39; c. 2. ECONOMICS, MATHEMATICS. B.A, Mt. Allison, 33; M.B.A, Harvard, 36. Economist, Can. Indus. Ltd, 37-54; ECONOMIST & MGR. ECON. OFF, DU PONT OF CAN, LTD, 54- With Can. Govt, 46; Can. Inst. Int. Affairs, 54-; Chem. Indust. Tariff Cmt, 55-; policy study cmt, Montreal Bd. Trade, 55-; chmn, 61-62, coun. mem, 62-63, mem. ad hoc cmt. health serv, 56- Econ. Asn; Asn. Bus. Econ; Can. Polit. Sci. Asn. Foreign trade theory and practice; business policy formulation; business cycle analysis; long-term economic forecasting. Publ: Tariffs, markets and economic progress. Address: 318 Morrison Ave, Mt. Royal, Que, Can.
- McPHERSON, PROF. VIRGIL L(EE-ROY), b. Springfield, Ore, June 8, 07; m. 31; c. 3. PSYCHOLOGY, SOCIAL SCIENCE. B.S, Oregon, 36; M.A, Stanford, 40; Ed.D, Southern California, 59. Assoc. prof. psychol. & ed, Chapman Col, 45-54, prof, 54-61, polit. sci. & psychol, 56-61, head div. soc. sci, 45-61, dept. psychol, 47-50, dean students, 45-47, admin. dean, 50-56; PROF. psychol. & ed, ADAMS STATE COL, 61-62, PSYCHOL, 62-, HEAD STATIST-RES. LAB, 67- Lectr, Southern California, 48-50; summers, vis. prof, Adams State Col, 61, study with teaching res. div, Ore. State Syst. Higher Ed, 66. AAAS; Psychol. Asn; Statist. Asn; Sociol. Asn; Ed. Res. Asn. Education; measurement and evaluation of the social sciences; statistics applied in learning and personality research. Publ: Co-auth, United States history and government; auth, Challenge to curriculum improvement in Oregon, Ore. Ed. J; Christian envoys for world order, a practical plan for unity in action, Christian Evangelist. Address: Dept. of Psychology, Adams State College, Alamosa, Colo. 81101.
- McPHERSON, PROF. W(ILLIAM) H(ESTON), b. Columbus, Ohio, Oct. 18, 02; m. 30; c. 3. LABOR ECONOMICS. A.B, Harvard, 23; A.M, Ohio State, 24; Am. Field Serv. fel, French univs, 26-27; dipl, Paris, 27; fel, Chicago, 28-29, Ph.D, 35. Instr. econ, Dartmouth Col, 29-30; asst. prof, Cleveland Col, Western Reserve, 30-37; Oberlin Col, 37-40; sr. staff mem, cmt. soc. security, Soc. Sci. Res. Coun, 40-42; PROF. ECON, INST. LABOR & INDUST. RELS, ILLINOIS, URBANA, 46- U.S. Dept. State exchange lectr, Germany, 52-53; Fulbright res. scholar, France, 60-61. Prin. economist, War Manpower Cmn, 42-43; co-chmn. shipbldg. cmn, War Labor Bd, 43-44, chmn, 44-45; v.chmn. Tech. Assistance Cmn. Integration Refugees in German Repub, Econ. Coop. Admin, 50-51. Indust. Rel. Res. Asn.(secy-treas, 48-50); Acad. Arbit; Int. Soc. Labor Law & Social Legis; Int. Indust. Rel. Asn. Collective bargaining; arbitration; foreign labor relations. Publ: Labor relations in the automobile industry; co-auth, French labor courts; judgement by peers, Inst. Labor & Indust. Rel. Univ. Illinois, 66; auth, Betrachtungen zur deutschen arbeitsverfassung, In: Wege zum sozialen Frieden. Address: 62 Greencroft Dr, Champaign, Ill. 61820.
- McPHERSON, PROF. W(ILLIAM) K(ENNETH), b. Des Moines, Iowa, Feb. 14, 04; m. 31; c. 3. AGRICULTURAL ECONOMICS. B.S, Parsons Col, 25; M.S, Iowa State Col, 39. Agr. economist, Ala. Polytech, 40-42; dep. regional dir, War Food Admin, U.S. Dept. Agr, Ga, 42-44; chief indust. econ. br, Tenn. Valley Authority, 44-50; PROF. AGR. ECON, FLORIDA, 51- Consult, Ministry of Agr, Cent. Am, 57. Econ. Asn; Agr. Econ. Asn. Land economics, especially property rights and taxation; livestock markets, especially grading accuracy and pricing. Publ: How well do auctions discover the price of cattle & A quantitative evaluation of the ability of individuals to grade live cattle, 2/66, J. Farm Econ; co-auth, Livestock production transportation cost-feed cost relationships between Florida and Florida, Fla. Agr. Exp. Sta. Bull, 12/67. Address: R.D.2, Box 330, Gainesville, Fla. 32601.
- McPHERSON, DR. W(OODROW) W(ILSON), b. Swepsonville, N.C, Apr. 11, 17; m. c. 2. AGRICULTURAL ECONOMICS. B.S, North Carolina, 38; M.S, La. State, 40; Ph.D.(econ), Harvard, 50. Asst. farm mgt. & mkt, La. Agr. Exp. Sta, 39-40; agr. economist, bur. agr. econ, U.S. Dept. Agr, 40-42, 46-47; assoc. prof. agr. econ, N.C. State Col, 49-52, prof, 53-59; head econ. & statist. res. div. trop. res, United Fruit Co, 59-61, asst. sci. dir, 61-62; GRAD. RES. PROF. AGR. ECON, FLORIDA, 62- Adv. planning bd, Pakistan Proj. of Harvard & Ford Found, 55-57; participant, Univ. Florida-U.S. Agr. Int. Develop. contract, Costa Rica, 67. Consult, IRI Res. Inst, Brazil, 66. Secy. agr. econ. cmt, Soc. Sci. Res. Coun, 54-55. U.S.A, 42-45, Maj. Econ. Asn; Statist. Asn; Agr. Econ. Asn; Int. Asn. Agr. Econ. Economics research, including economic development; public policy and production economics, especially in tropical countries. Publ: Application of linear programming in an analysis of economic changes in farming, Rev. Econ. & Statist; Price mapping of optimum changes in enterprises, & Role of trade in economic development, 66, J. Farm Econ. Address: Dept. of Agricultural Economics, University of Florida, 50-B McCarty Hall, Gainesville, Fla. 32601.
- McQUADE, V(INCENT) A, O.S.A, b. Lawrence, Mass, June 16, 09. SOCIAL ECONOMICS. A.B, Villanova Col, 31, LL.D, 56; A.M, Catholic Univ, 35,

- Ph.D. 38; hon. Ed.D. Suffolk, 57; hon. Sc.D. Lowell Tech. Inst. 59. Dean, Villanova Col. 41-44; PRES. MERRIMACK COL. 47- Mem. adv. cmt. higher ed. U.S. Dept. Health, Ed. & Welfare, 67-68. Industrial development in the northeast; education and economic conditions of the students. Publ: American Catholic attitude on child labor; Race relations and Catholics. Address: Merrimack College, North Andover, Mass. 01845.
- McQUAID, GERTRUDE A, b. Belfast, Ireland, Nov. 2, 24; nat. STATISTICS, ECONOMICS. B.A. Harvard, 49; M.A. N.Y. Univ. 54. Asst. indust. studies, Dun & Bradstreet, Inc. 49-54; statist. analyst, Economet. Inst. 55-56; res. analyst, Gen. Cable Corp. 56-59; statist. analyst, Englehart, Leggett & Cornell, 59; statistician, Am. Metal Climax, Inc. 59-61, statist. economist, 64-66; ASST. ECONOMIST, BANK OF NEW YORK, 67- Statist. Asn; Asn. Bus. Econ. Statistics; prediction and analysis; business cycles. Address: 2960 Grand Concourse, Bronx, N.Y. 10458.
- MACQUARRIE, HEATH N(ELSON), b. Victoria, P.E.I. Sept. 18, 19; m. 49; c. 3. POLITICAL SCIENCE. B.A. Manitoba, 47; fel. New Brunswick, 47-48, M.A. 49. Asst. prof. polit. sci. & econ. New Brunswick, 48-49; lectr. polit. sci. McGill, 49-51; instr. polit. sci. & sociol. Brandon Col. 51-52, asst. prof. polit. sci. & int. rels. 52-53, prof. 53-55; Ewart Found. grant, 55-56; MEM. CAN. HOUSE OF COMMONS, 57- Vis. prof. Mt. Allison, 48, 52; Acadia, 49, 53; Soc. Sci. Res. Coun. Can. grant, 53-56; summer vis. prof. Manitoba, 55. Mem. Can. Insts. Pub. & Int. Affairs; Can. del. UN Gen. Assembly, 57-59; Can. observer del. Inter-Am. Conf. Uruguay, 62. Am. Polit. Sci. Asn; Can. Econ. Asn; Can. Hist. Asn; Hansard Soc; Int. Polit. Sci. Asn. Political parties; international relations; comparative government. Publ: The Conservative Party, McClelland & Stewart, 65; Formation of Borden's first cabinet & Pan Americanism: pattern of regional cooperation, J. Econ. & Polit. Sci. Address: Victoria, P.E.I. Can.
- McQUEEN, PROF. ROBERT, b. Baltimore, Md, July 5, 25; m. 47; c. 3. PSYCHOLOGY. B.A. Denver, 49, M.A. 50; univ. fel. Texas, 52-53, Peabody fel. 54-55, Ph.D.(psychol.) 55. Instr. psychol. Idaho State Col. 50-51; psychol. & ed. psychol. Colo. Agr. & Mech. Col. 51-52; asst. prof. PSYCHOL. NEVADA, 55-60, assoc. prof. 60-67, PROF. 67- Sr. clin. psychologist, Nev. State Hosp. 64- U.S.A. 43-46. Psychol. Asn. Human learning; psychological testing; test construction; school psychology. Publ: Examination deception as a function of residual, background, and immediate stimulus factors, J. Personality; Stimulus-word changes in picture-frustration situation, Perceptual & Motor Skills; co-auth. Intelligence and educational achievement of a matched sample of white and Negro students, Sch. & Soc. Address: Dept. of Psychology, University of Nevada, Reno, Nev. 89502.
- McQUITTY, DEAN LOUIS LAFORCE, b. Curran, Ill, Jan. 29, 10; m. 37; c. 2. PSYCHOLOGY. B.S.E. Florida, 33; M.A. Toronto, 34, Ph.D.(psychol.) 37. Instr. & clin. psychologist, Florida, 35-36; clin. psychologist & soc. worker, Protestant Children's Homes, Can. 36-37; instr. psychol. Illinois, 37-39, assoc. & clin. counsr. personnel bur. 39-41; assoc. prof. psychol. Illinois, 45-50, prof. 50-56, clin. counsr. personnel bur. 38-49, prof. psychol. in labor & indust. rels. 49-52, exec. secy. dept. psychol. 51-52; prof. psychol. & head dept. Mich. State, 56-62, dean col. soc. sci. 66-67, DEAN COL. ARTS & SCI. MIAMI (FLA), 67- Nat. Inst. Ment. Health res. grant, 67-70. Expert appointee, training aids res. lab. Chanute Air Force Base, Ill. Sr. personnel consult, Stevenson & Kellogg, Mgt. Engrs. Can. 46; consult, Vet. Admin. 46-47, 57-; Farm Supply Co. Ill. 47-49; U.S. Air Force Sch. Aviation Med. 51-53; off. chief res. & develop. U.S. Dept. Army, 61. Mem. ment. health study sect, U.S. Pub. Health Serv. 60- U.S.A. 42-45, Col. Fel. Psychol. Asn; fel. Can. Psychol. Asn; Soc. Multivariate & Exp. Psychol.(secy-treas, 66-67). Pattern analytic methods; measurement of mental health status; personnel selection. Publ: Auth. Expansion of similarity analysis by reciprocal pairs for discrete and continuous data, Vol. 27, No. 2, A novel application of the coefficient of correlation in the isolation of both typical and dimensional constructs, fall 67 & co-auth. The problem of ties in a pattern analytic method, winter 67, Ed. Psychol. Measurement. Address: College of Arts & Sciences, University of Miami, Coral Gables, Fla. 33124.
- McQUOWN, PROF. NORMAN A(NTHONY), b. Peoria, Ill, Jan. 30, 14; m. 42; c. 2. ANTHROPOLOGY. A.B. Illinois, 35, M.A. 36, Brown, 36-37; Michigan, 37; Ph.D.(ling), Yale, 40. Prof. ling, Nat. Sch. Anthropol. Mex. 39-42; asst. Turkish, Am. Coun. Learned Soc. Intensive Lang. Prog. 42-43; technician language sect. info. & ed. div. Serv. Forces, U.S. Army, 43-45; lectr. ling. Hunter Col. 45-46; asst. prof. ANTHROP. CHICAGO, 46-58, PROF. 58- Asst. Dept. Indian Affairs, Mex. 39-40; vis. prof. Nat. Univ. Mex. 67-68. Pres. exec. cmt. Inter-Am. Prog. Ling. & Lang. Teaching, 66-69. Fel. Anthropol. Asn; Ling. Soc; Inter-Am. Soc. Anthropol. & Geog. Grammatical analysis of the Totonac, Nahuatl and various Mayan languages; linguistic analysis of psychiatric interview materials. Address: Dept. of Anthropology, University of Chicago, Chicago, Ill. 60637.
- MacRAE, DR. C(ECIL) DUNCAN, b. St. Louis, Mo, Apr. 14, 40. ECONOMICS. A.B. Harvard, 62; Adelaide Stoll scholar & Ph.D.(econ), Cambridge, 65. ASST. PROF. ECON. MASS. INST. TECH. 65- Dir. Gen. Motors res. proj. grant, Mass. Inst. Tech. 65-68; guest lectr. Tech. Univ. Berlin, 67. AAAS; Economet. Soc; Econ. Asn; Royal Econ. Soc. Mathematical models of economic growth; optimal control theory; stabilization policy; urban economics. Publ: Mathematical models of economic growth, In: Social sciences—problems and orientations, Mouton & Co, Netherlands, 68. Address: E52-274b, Massachusetts Institute of Technology, 50 Memorial Dr, Cambridge, Mass. 02139.
- MacRAE, PROF. DUNCAN, JR, b. Glen Ridge, N.J, Sept. 30, 21; m. 50. POLITICAL SOCIOLOGY. A.B. Hopkins, 42; fels. Harvard, 42-43, 46-49, A.M. 43, Ph.D.(soc. psychol.) 50. Res. assoc. lab. soc. rels. Harvard, 51-53, lectr. soc. psychol. 52-53; mem. staff, radiation lab. Mass. Inst. Tech. 43-46; instr. sociol. Princeton, 49-50, lectr. 50-51; asst. prof. sociol. & soc. insts. California, 53-57; POLIT. SCI. & SOCIOLOG. CHICAGO, 57-62, assoc. prof. 62-64, PROF. 64- Fulbright fel. Paris, 56-57. AAAS; Sociol. Asn; Polit. Sci. Asn; Econ. Asn. Legislative bodies and representation; methods of social research. Publ: Co-ed. Electronic instruments; auth. Dimensions of congressional voting; Parliament, parties and society in France, 1946-1958, St. Martins, 67. Address: 5514 S. Harper Ave, Chicago, Ill. 60637.
- McRAE, PROF. KENNETH D(UGLAS), b. Toronto, Ont, Jan. 20, 25; m. 50; c. 4. POLITICAL SCIENCE. B.A. Toronto, 46; A.M. Harvard, 47, fel. 47-48, Ph.D. 54; Oxford, 48-50, 53-54. Lectr. POLIT. SCI. Toronto, 50-52; Rockefeller Found. fel. 54-55; asst. prof. CARLETON (CAN), 55-57, assoc. prof. 57-64, PROF. 64- Res. supvr. Royal Cmn. Bilingualism & Biculturalism, Can. 64-66; chmn. pub. cmt. Soc. Sci. Res. Coun. Can. 67- Can. Polit. Sci. Asn; Can. Sociol. & Anthropol. Asn. Publ: Ed. Six books of a commonwealth, Harvard; Switzerland: example of cultural co-existence, Can. Inst. Int. Affairs, 64. Address: Dept. of Political Science, Carleton University, Ottawa 1, Ont, Can.
- McRAITH, PROF. JAMES F(FREDERICK), b. Cedar Rapids, Iowa, June 11, 18. MARKETING. B.S.C. Iowa, 40, M.S. 48; Ph.D.(mkt), Columbia, 60. PROF. MKT. SAN FERNANDO VALLEY STATE COL. 60- U.S.N. 41-46, 50-57, Comdr. Mkt. Asn. Marketing management. Publ: Co-auth. Marketing significance of age groups, Iowa Bus. Digest, 12/61, A Survey of marketing games, J. Mkt. 7/62 & Automation and marketing activities of wholesale institutions, Mkt. Digest, 1/63. Address: Dept. of Marketing, San Fernando Valley State College, 18111 Nordhoff St, Northridge, Calif. 91324.
- McREYNOLDS, DR. JANE, b. Temple, Tex, June 11, 15. PSYCHOLOGY. B.A. Texas, 35, Ph.D.(psychol.) 51; M.A. Michigan, 42. Psychometrist, Vet. Admin. Hosp. McKinney, 47-49; res. psychologist, 65770th Personnel Res. Lab., Aerospace Med. Div. Systs. Command, U.S. DEPT. AIR FORCE, 51-66, BEHAV. SCIENTIST, OFF. AEROSPACE RES. 66- Psychol. Asn; Inter-Am. Soc. Psychol; Statist. Asn. Test construction; personnel selection, classification and management. Publ: Geographic orientation of the blind, J. Gen. Psychol; Aptitude levels in the enlisted manpower pool of the Air Force; Development of screening and selection tests for women. Address: 1200 N. Nash St, Apt. 224, Arlington, Va. 22209.
- McREYNOLDS, DR. PAUL W(YATT), b. Adrian, Mo, June 18, 19; m. 55; c. 1. PSYCHOLOGY. B.S. Cent. Mo. State Col. 40; M.A. Missouri, 46; Ph.D.(psychol.) Stanford, 49. CHIEF BEHAV. RES. PALO ALTO VET. ADMIN. HOSP. 47- Assoc. consult. prof. Stanford, 56-; vis. prof. Oregon, summer 61; vis. lectr. California, 61-66. U.S.A.A.F. 42-45, Sgt. AAAS; Psychol. Asn. Research on human motivation and anxiety, especially as related to psychopathology; perceptual-cognitive theory; measurement of motives and anxiety; schizophrenia; development of psychoneurological brain models. Publ: Restricted conceptualization of human anxiety and motivation, Psychol. Reports Monogr; Thinking conceptualized in terms of interacting moments, Psychol. Rev; Anxiety, perception and schizophrenia, In: Etiology of schizophrenia. Address: 3502 Arbutus Dr, Palo Alto, Calif. 94303.
- MACRIDIS, DR. ROY C, b. Istanbul, Turkey, Dec. 25, 18; U.S. citizen; m. 47; c. 3. POLITICAL SCIENCE. B.A. Athens Col. 37; lic. en Dr, Paris, 41; M.A. Harvard, 43, univ. fel. 46-47, Ph.D. 47; hon. Litt.D. Clermont-Ferrand. Instr. govt. Harvard, 47-49; asst. prof. polit. sci. Northwestern, 49-52, assoc. prof. 52-56; Washington (St. Louis), 56-58, prof. 58-62; prof. polit. sci. & chmn. dept. State Univ. N.Y. Buffalo, 62-64; PROF. POLIT. BRANDEIS, 64- CHMN. DEPT. 68- Ford Found. fel. 51-52; Rockefeller fel. 56-57 & 58-59; Fulbright teaching fel. inst. polit. studies, Paris, 58-59. Off. Strategic Serv. 42-44. Am. Polit. Sci. Asn; French Polit. Sci. Asn. Comparative politics, especially French and Western European institutes. Publ: The study of comparative government, Random, 55; co-auth. The De Gaulle republic, Dorsey, 60; Modern political systems, Europe, Prentice-Hall, 64. Address: 54 Irving St, Arlington, Mass. 02174.
- MACRORY, DEAN BOYD E(LLSWORTH), b. Pittsburgh, Pa, Jan. 22, 09; m. 41; c. 3. SOCIOLOGY. A.B. Asbury Col. 31, B.D. 34; A.M. Kentucky, 35; Ph.D.(sociol.), Wisconsin, 50. Instr. sociol. & econ. Asbury Col. 35-38, asst. prof. 38-40; res. asst. & lab. instr. sociol. & anthropol. Wisconsin, 40-42, res. asst. & acting instr. 47-49; assoc. prof. sociol. Ohio Wesleyan, 49-52; training specialist, ed. adv. staff & ed. adv. to commandant, spec. staff sch. AIR UNIV, 46-47, ED. ADV. TO COMMANDANT & DEAN CURRICULUM, ACCAD. INSTR. & ALLIED OFFICER SCH. 52- Ed. consult. Tuskegee Inst. 55. U.S.A.F. 42-46, Res. 46-, Col. Fel. Sci. Asn; Soc. Study Social Probs. Social disorganization; attitudes and group development; curriculum development. Publ: Sociological analysis of the role and functions of the tavern in the community; Tavern and the community; Group values in mate selection in a sample of college girls. Address: Academic Instructor & Allied Officer School, Air University, P.O. Box 2124, Bldg. 802, Maxwell Air Force Base, Ala. 36112.
- McROY, DR. JAMES J(EROME), b. Fayetteville, Ark, Mar. 16, 35. PSYCHOLOGY. B.A. Arkansas, 57, M.A. 59; Nat. Sci. Found. fel. Houston, 64, Ph.D.(conceptual develop), 67; univ. fel. Upsala Col. 65. Res. asst. psychol. Arkansas, 57-58; personnel psychologist, U.S. Army Reserve, 58-59; exec. trainee, Titche-Goettinger Co, Allied Stores Corp. 59-60; counsr. & exam. PSYCHOL. Houston, 60-62, teaching fel. 61-64; res. asst. 62-63; instr. UPSALA COL. 64-67, ASST. PROF. 67- Nat. Sci. Found. grant, 66-68; res. consult. Sandoz Pharmaceut. Div. Sandoz, Inc. 68- Psychol. Asn; Soc. Res. Child Develop. General and experimental psychology, especially learning with an emphasis on the ontogenesis of conceptual behavior; psychophysical methods and scaling; verbal behavior in children. Publ: A study of the development of the concept of quantity by scalogram analysis, Univ. Microfilms, 67. Address: Dept. of Psychology, Upsala College, East Orange, N.J. 07019.
- McSHANE, PROF. THOMAS J(OSEPH), b. New York, N.Y, Dec. 20, 16; m. 41; c. 7. PSYCHOLOGY. A.B. Fordham, 37, scholar, & M.A. 40, Ph.D. 51. Teacher, Power Mem. Acad. N.Y. 38-41; spec. agent, Fed. Bur. Invest. D.C. 41-61, cryptanalyst, 41-44; PROF. PSYCHOL. & CHMN. DEPT. PACE COL. 61- Psychol. Asn; Polygraph Asn. Clinical psychology; lie detection; juvenile delinquency research; psychology in law enforcement. Address: 6215 Spencer Ave, Bronx, N.Y. 10471.
- McTAVISH, DR. D(ONALD) G(ODFREY), b. Monticello, Iowa, May 30, 34; m. 61; c. 2. SOCIOLOGY. B.Sc. Iowa, 56, M.A. 60, Ph.D.(sociol.) 64. ASST. PROF. SOCIOLOG. Calif. State Col. Los Angeles, 64-67; MINNESOTA, MINNEAPOLIS, 67- Nat. Sci. Found. instr. grant study geront, 64-65; Nat. Defense Ed. Act fel. 67-68. Mem. Simulation Coun. Nat. Guard, 60-66. So-

ciol. Asn; Statist. Asn; Soc. Study Social Probs; Geront. Soc. Social stratification; occupational status; gerontology; methodology. Publ: The differential prestige of status categories, Soc. Forces, 5/63; A method for more reliably coding detailed occupations into Duncan's socioeconomic categories, Am. Sociol. Rev. 6/64; Research methods and selected readings, In: Selected academic readings, 66. Address: Dept. of Sociology, University of Minnesota, Minneapolis, Minn. 55455.

McTEER, PROF. WILSON, b. Maryville, Tenn, July 25, 05; m. 31; c. 3. PSYCHOLOGY. B.A. Maryville Col, 25; fel. Chicago, 28; Ph.D.(psychol), Chicago, 30. Instr. PSYCHOL, Maryville Col, 25-27; WAYNE STATE, 30-36, asst. prof, 36-43, assoc. prof, 43-52, PROF, 52-. ASSOC. CHMN. DEPT, 62-, acting chmn. dept, 47-52. AAAS; Psychol. Asn. Human motivation; social behavior. Publ: Certain features of punishment in serial order learning, J. Exp. Psychol; Fifty years of psychology in Michigan, Papers, Mich. Acad. Sci. Arts & Letters; Observational definitions of emotion, Psychol. Rev. Address: Dept. of Psychology, Wayne State University, Detroit, Mich. 48202.

McVAY, PROF. F(RANCIS) E(DWARD), b. R.I, Sept. 27, 17; m. 49. STATISTICS. B.S. Rhode Island, 42; M.S. N.C. State Col, 44; Ph.D. North Carolina, 46. Agr. statistician, bur. agr. econ, U.S. Dept. Agr, 45-47; asst. prof. econ. & statist. N.C. State Col, 47-52; statist. consult. & head test design & eval. br, U.S. Naval Ord. Test Sta, 52-57; assoc. prof. EXP. STATIST, N.C. STATE, 57-62, PROF, 62- AAAS; Statist. Asn. Biometrics. Address: Dept. of Experimental Statistics, North Carolina State University, Raleigh, N.C. 27607.

McVEY, PROF. PHILLIP, b. Wichita, Kans, Aug. 19, 21; m. 48; c. 3. BUSINESS MANAGEMENT. A.B. Wichita, 42; M.B.A. Harvard, 47; Ph.D.(mkt), Ohio State, 54. Instr. mkt, Ohio, 47-51; asst. prof. eng. admin, Case, 52-55; assoc. prof. bus. orgn. & mgt, NEBRASKA, 55-61, prof, 61-68, PROF. MKT. & CHMN. DEPT, JULY, 68- Mil. Intel, U.S.A.R, 42-, Col. Econ. Asn; Mkt. Asn. Marketing; sales management; advertising. Publ: Co-auth, Retirement income plans for outside salesmen. Address: 3611 Van Dorn St, Lincoln, Nebr. 68506.

McVEY, DR. RUTH T, b. Allentown, Pa, Oct. 22, 30. POLITICAL SCIENCE. B.A. Bryn Mawr Col, 52; Fulbright grant, Amsterdam, 52-53; M.A. Harvard, 54; Ph.D.(govt), Cornell, 61. Res. assoc. Southeast Asian studies, Yale, 61-63; center int. studies, Mass. Inst. Tech, 63-65; res. fel, center int. studies, CORNELL, 65-66, vis. lectr, dept. gov, 66-67, RES. ASSOC, CORNELL MOD. INDONESIA PROJ, 67- Polit. Sci. Asn; Asn. Asian Studies; Asn. Adv. Slavic Studies. Southeast Asian communism, especially the development of the Communist Party of Indonesia; international communist movement; problems of political modernization. Publ: The rise of Indonesian communism, Cornell, 65; ed, Indonesia, Taplinger, 63; The Southeast Asian insurrections, In: Communism and revolution, Princeton, 64. Address: 102 West Ave, Ithaca, N.Y. 14850.

McWHINNEY, MADELINE H(OSTON), b. Denver, Colo, Mar. 11, 22; m. 61. ECONOMICS. B.A. Smith Col, 43; M.B.A. N.Y. Univ, 47. ASST. V.PRES. RES. & STATIST. FUNCTION, FED. RESERVE BANK N.Y., 43- Econ. Asn; Finance Asn. Money and banking; consumer credit; investments. Address: Federal Reserve Bank, 33 Liberty St, New York, N.Y. 10045.

McWHINNEY, DR. WILLIAM HOUSTON, b. Denver, Colo, July 2, 29; m. 55; c. 3. INDUSTRIAL MANAGEMENT; ORGANIZATIONAL THEORY. A.B. Union Col.(N.Y.), 47; Ford Found. fel, Carnegie-Mellon, 60-61, Ph.D.(indust. admin), 64. Sys. analyst, West. Elec. Co, 51-55; Popular Merchandise Co, 55-57, sales planning mgr, 57-58; vis. lectr. indust. mgt, Leeds, 61-63, ASSOC. PROF. ORGN. BEHAV, GRAD. SCH; BUS. ADMIN, CALIFORNIA, LOS ANGELES, 63- Ford Found. faculty res. fel, 66-67. Intel. C. U.S.A., 52-54. Soc. Gen. Sys. Res; Inst. Mgt. Sci. Mathematical organization theory and socio-technical systems; life in the post-industrial society including urban planning and implementation of change. Publ: Organizational aging, In: The research world, Gordon & Breach, 67; Synthesizing of social interaction models, Sociometry, 68; Organizational form, decision modalities and the environment, Human Rel, 68. Address: Graduate School of Business Administration, University of California, Los Angeles, Calif. 90024.

McWILLIAMS, DR. BETTY JANE, b. Martins Ferry, Ohio. SPEECH PATHOLOGY. B.S. Ohio, 49; M.S. Pittsburgh, 50, Nat. Soc. Crippled Children fel, 51, Ph.D., 53. Asst. prof. speech, PITTSBURGH, 54-59, assoc. prof, 59-67, prof, 67, COORDINATOR CLIN. RES. CLEFT PALATE RES. CENTER, 67- Psychol. Asn; Speech & Hearing Asn. Cleft palate. Publ: Some factors in the intelligibility of the speech of cleft palate adults, J. Speech & Hearing Disorders, 12/54; Cleft palate management in England, Speech Path. & Ther; Differential diagnosis and management of hyper-nasality in children, Trans. Am. Acad. Ophthal. & Otolaryngol. Address: 323 Salk Hall, University of Pittsburgh, Pittsburgh, Pa. 15213.

McWILLIAMS, PROF. ROBERT OWEN, b. Mt. Clemens, Mich, Aug. 2, 21; m. 47. POLITICAL SCIENCE. A.B. Michigan, 45, univ. fel, 49-50, Ford Found. fel, 51-52, Ph.D.(polit. sci), 53; M.P.A. Wayne State, 47. Occup. analyst, Fruehauf Trailer Co, 46-48; instr, Mich. State Nor. Col, 51; asst. study dir, Surv. Res. Center, 52-53; instr, Yale, 53-54; asst. prof. govt, Miami (Ohio), 54-56; POLIT. SCI, EASTERN MICHIGAN, 56-58, assoc. prof, 58-61, PROF, 61- U.S.A., 42-43. Polit. Sci. Asn. Political behavior and parties; municipal government. Publ: Co-ed, Voice of the people: readings in public opinion and propaganda. Address: 1300 Whitier Blvd, Ypsilanti, Mich. 48197.

MACY, BRUCE W(ENDELL), b. Oskaloosa, Iowa, Oct. 16, 30; m. 54; c. 2. ECONOMICS. B.S. Iowa State Col, 52, M.S., 54. Asst. bur. plant indust, U.S. Dept. Agr, 49; asst. licensing officer, off. int. trade, U.S. Dept. Commerce, 51; statist. asst, Inst. Res. in Human Rel, 52; res. assoc. bur. bus. & econ. res, Maryland, 55-57; sr. economist, ECON. DIV, MIDWEST RES. INST, 58-66, PRIN. ECONOMIST, 66- Consult, Resources for the Future, Inc, 57, 58; Corps Eng, U.S. Dept. Army, 65-; Univ. Kansas, 66- Mem. bd. dirs, Mid-Continent Res. & Develop. Coun, 66- Mil. Intel, U.S.A., 54-56. Econ. Asn;

Regional Sci. Asn. Regional economic and industrial development; agricultural and international economics. Address: Midwest Research Institute, 425 Volker Blvd, Kansas City, Mo. 64110.

MACY, PROF. C. WARD, Econ, see 10th ed, Soc. & Behav. Vols, deceased 62.

MACY, L(ORING) K(ENNETH), Agr. Econ, see 10th ed, Soc. & Behav. Vols.

MACZYNSKI, PROF. STEFAN C, b. Wilno, Poland, Sept. 15, 24; U.S. citizen; m. 49; c. 2. POLITICAL SCIENCE. B.Sc. London, 52; M.A. Montreal, 55; Notre Dame, 55-57. Methods engr, Canadair Ltd, Que, 52-55; ASSOC. PROF. POLIT. SCI, ST. JOHN FISHER COL, 57- Polish Resistance, 40-45; Polish Army, 45-47. Polit. Sci. Asn. Comparative government; Soviet studies; constitutional law. Address: Dept. of Political Science, St. John Fisher College, Rochester, N.Y. 14618.

MADAY, PROF. BELA CHARLES, b. Prague, Czech, Nov. 3, 12; U.S. citizen; m. 40; c. 2. CULTURAL ANTHROPOLOGY, POLITICAL SCIENCE. Ph.D. (polit. sci), Pázmány Peter Univ, Budapest, 37. Assoc. prof. lang. & area, Defense Lang. Inst, 48-50; prof. & chmn. dept, 50-57; exec. dir, Coordinated Hungarian Relief, 57-58; assoc. prof. res, American Univ, 58-60, prof, 60-65, int. rels, 65-66, CHMN. CULTURAL ANTHROP. REV. CMT, NAT. INST. MENT. HEALTH, 66- Int. fel, Springfield Col, 47-48; prof. lectr, George Washington, 63-67; adj. Prof, American Univ, 66- Consult, U.S. Off. Ed, 66-; v.pres, Kossuth Found. & Am. Hungarian Studies Found, 67- Exec. secy, Hungarian Folklore Soc, 37-44. Anthropol. Asn; Polit. Sci. Asn. Hungarian language and area; cultural change of East-Central Europe; culture and behavior; cross-cultural analysis of family; role of culture in international relations; folklore. Publ: Co-auth, Ethiopia, its land, its society, its people, Hraf Press, 60 & Brazil, area handbook for, Govt. Printing Off, 64; auth, Hungarian anthropology, Current Anthropol, 68. Address: 4538 49th St, N.W., Washington, D.C. 20016.

MADANSKY, DR. ALBERT, Statist, see 11th ed, Phys. & Biol. Vols.

MADDEN, DR. CARL H(ALFORD), b. Baltimore, Md, Feb. 14, 20; m. 44; c. 4. ECONOMICS. B.A. Virginia, 42, M.A., 51, du Pont fel. & Ph.D.(econ), 54. Instr. Eng, Va. Polytech, 46-48; econ, Virginia, 49-51, asst. bur. pop. & econ. res, 51-52, res. assoc, 52-54; pub. info. asst, Fed. Reserve Bank N.Y., 54, chief pub. info. div, 54-57, mgr. pub. info. dept, 57-60; prof. econ. & dean col. bus. admin, Lehigh, 60-61; consult, econ, U.S. Treas, 61-62; economist, U.S. Senate Banking & Currency Cmt, 62-63; CHIEF ECONOMIST, CHAMBER COMMERCE OF U.S., 63- Instr, Rutgers, 54; Am. Inst. Banking, N.Y., 54-58; grad. sch. bus. admin, N.Y. Univ, 58-60. Consult, Int. Bus. Mach. Corp; First Nat. City Bank; Western Elec. Co. U.S.C.G., 42-46, Lt. Comdr. Econ. Asn; Statist. Asn; Pop. Asn. Money and banking; monetary and fiscal policy; international economics; economic statistics; economic and technical development. Publ: The money side of the street, Fed. Reserve Bank N.Y., 60; Latin America: reform or revolution, Curriculum Resources, Inc, 63; co-auth, Understanding economics, Chamber Commerce U.S., 66. Address: 4512 Park St, Alexandria, Va. 22312.

MADDEN, PROF. HARRISON EUGENE, b. Hoisington, Kans, May 19, 24; m. 52; c. 4. PSYCHOLOGY. B.S. Kansas, 50, M.A.(polit. sci), 52, M.A. (psychol), 54, Ph.D.(psychol), 56. Asst. dir. west. civilization prog, Univ. Kansas, 53-56; PROF. PSYCHOL, FRESNO STATE COL, 67-, CHMN. DEPT, 68- U.S.A.A.F, 42-46. Psychol. Asn. Interpersonal perception; changes in self concept. Address: Dept. of Psychology, Fresno State College, Fresno, Calif. 93726.

MADDEN, HOWARD LAVELLE, b. Jamestown, La, Dec. 21, 20; m. 46. PSYCHOLOGY, STATISTICS. B.S. La. State, 42; M.S. Trinity (Tex), 53. Aviation psychologist, Keesler Air Force Base, Miss, 46; AEROSPACE MED. DIV, AIR FORCE SYSTS. COMMAND, LACKLAND AIR FORCE BASE, 46-48, RES. PSYCHOLOGIST, 48- U.S.A.A.F, 43-46. Psychol. Asn; Aerospace Med. Asn. Psychological test construction; selection of aircrews; design and evaluation of apparatus tests; analog simulators; illustrated tests; specialty knowledge tests. Address: 9406 Talba Lane, San Antonio, Tex. 78230.

MADDEN, DR. J. PATRICK, b. Merrill, Ore, July 20, 37; m. 57; c. 5. AGRICULTURAL ECONOMICS. B.S. Oregon State, 59; Ph.D.(agr. econ), Iowa State, 62. Economist, Univ. Puerto Rico, 62-63; agr. economist, econ. res. serv, U.S. Dept. Agr, 63-65, staff asst. to adminstr, 65-66, superv. statistician, 66; economist, President's Nat. Adv. Cmn. Rural Poverty, 66-67; ASSOC. PROF. AGR. ECON, PA. STATE, 67- Econ. Asn; Agr. Econ. Asn. Production and consumption economics; poverty; economic development; production functions; economics of farm size. Publ: Poverty projections in relation to aggregate demand, economic growth and unemployment, Govt. Printing Off, 68; co-auth, A philosopher among economists—selected works of John M. Brewster, Univ. Minnesota, 69 & Milk production functions incorporating variables for cow characteristics and environment, J. Farm Econ, 2/64. Address: 204 Hunt Hall, Pennsylvania State University, University Park, Pa. 16802.

MADDEN, DR. JAMES E(DWARD), b. New Brighton, Pa, Apr. 30, 32; m. 56; c. 3. PSYCHOLOGY. B.A. Western Reserve, 54; M.A. Kentucky, 56, Ph.D. (psychol), 59. Trainee psychol, VET. ADMIN. HOSP, Lexington, Ky, 55-59, CLIN. PSYCHOLOGIST, Chillicothe, Ohio, 59-61, Brecksville, 61-68, SALEM, VA, 68- Clin. psychologist, Psychol. Clin. Kent State, 64-66; teacher, Cuyahoga Community Col, 67- Psychol. Asn. Associative mental processes and motivation in human thinking, problem solving and dealing with stress. Publ: Semantic differential rating of self and of self-reported personal characteristics, J. Consult. Psychol; co-auth, A consensual basis for patient government, Vet. Admin. Newsletter Res. Psychol, 11/65. Address: Psychology Service, Veterans Administration Hospital, Salem, Va. 24153.

MADDEN, COL. JOSEPH M(ATTHEW), U.S.A.F, b. Philadelphia, Pa, Apr. 11, 21; m. 42; c. 2. PSYCHOLOGY. A.B. Temple, 53; M.A. Texas, 58, Ph.D. (psychol), 60; U.S. Army War Col, 64-65; M.S. George Washington, 65. U.S. AIR FORCE, 42-47, 51-, aircraft comdr, Far East. Air Force, Korea, 51-

- 52, Strategic Air Command, 52-57, res. psychologist, Air Force Personnel Res. Lab, 58-60, chief job eval. res. br, 60-62, asst. chief occup. structures res. div, 62-64, chief personnel progs. automation br, Air Force Hq, 65-66, chief pilot mgt. progs. & simulation div, 66-67, dep. chief anal. div. & dir. personnel planning, 67-68, CHMN. DEPT. PSYCHOL, U.S. AIR FORCE ACAD, 68- Mem. faculty, Trinity, Tex, 61; Incarnate Word Col, 62-63; St. Mary's (Tex), 63-64; George Washington, 66-67. A.A.S.; fel. Psychol. Asn; Interam. Soc. Psychol; Sci. Res. Soc. Am. Human judgement; decision making; behavior prediction; job evaluation; occupational and systems analysis. Publ: Personal preferences and conformity, J. Soc. Psychol, 60; Use of an all possible combination solution of certain multiple regression problems, J. Appl. Psychol, 63; A policy capturing model for analysing individual and group judgement, J. Indust. Psychol, 6/64. Address: U.S. Air Force Academy, Colo. 80840.
- MADDEN, SISTER LORETTO ANNE, b. Denver, Colo, Aug. 21, 22. SOCIOLOGY. A.B. Loretto Heights Col, 43; M.A. Catholic Univ, 58, Ph.D.(sociol), 60. Teacher, parochial sch, N.Mex, 46-54; instr. SOCIOL, LORETTO HEIGHTS COL, 54-55, from asst. prof. to PROF, 58- Mem. training team human rels, Proj. Bridge, Ford Found, 67. Social problems; race relations; sociology of religion and of the family. Publ: Role definitions of Catholic teaching sisters and expectations of high school students and their parents in selected areas of the United States, Catholic Univ, 60. Address: Dept. of Sociology, Loretto Heights College, Denver, Colo. 80236.
- MADDEN, PROF. RICHARD, b. Burchard, Nebr, Aug. 18, 01; m. 27; c. 1. EDUCATIONAL PSYCHOLOGY. A.B. Peru State Col, 26; A.M. Columbia, 30, Ph.D.(ed. psychol), 31. Teacher, psychol. ed. bur. & prin. lab. sch, Indiana State Col.(Pa), 31-39; prin. lab. sch, San Diego State Col, 39-46, dir. elem. ed, 46-47, dean ed, 47-50, exec. dean, 50-51, chmn. grad. study, 51-56, prof. ED, 56-61; Sonoma State Col, 61-64; SAN DIEGO STATE COL, 64-66, EMER. PROF, 66- Psychol. Asn; Ed. Res. Asn. Achievement testing. Publ: Co-auth, Sound and sense in spelling, 64, rev. ed, 68, Stanford achievement test, 64 & Analysis of learning potential, 68, Harcourt. Address: Dept. of Education, San Diego State College, San Diego, Calif. 92115.
- MADDEN, COMDR. WILLIAM F(RANCIS), Psychol, see 10th ed, Soc. & Behav. Vols, deceased.
- MADDI, DR. SALVATORE R(ICHARD), b. New York, N.Y, Jan. 27, 33; m; c. 1. PSYCHOLOGY. B.A. Brooklyn Col, 54, M.A. 56; Rantoul scholar, Harvard, 56-57, U.S. Pub. Health Serv. fel, 56-57, Ph.D.(clin. psychol), 60. Asst. PSYCHOL, Brooklyn Col, 54-59; Harvard, 57-59; from instr. to asst. prof, CHICAGO, 59-64, ASSOC. PROF, 64- Fel, Judge Baker Guid. Center, 58-59; Nat. Inst. Ment. Health vis. scholar personality res, Ed. Testing Serv, 63-64. Consult, Vet. Admin, 61- Psychol. Asn. Variation in experience; motivation; cognitive processes; personality; psychotherapy; psychological assessment; psychopathology. Publ: Co-auth, Functions of varied experience; auth, Personality theories: a comparative analysis, Dorsey, 68 & The existential neurosis, J. Abnorm. Psychol, 67. Address: Dept. of Psychology, University of Chicago, Chicago, Ill. 60637.
- MADDUX, DR. GEORGE L(AMAR), b. McComb, Miss, July 2, 25; m. 46; c. 2. SOCIOLOGY. A.B. Millsaps Col, 49; M.A. & S.T.B. Boston, 52; Kent fel, Mich. State, 54-56, Ph.D.(sociol, anthrop), 56. Asst. prof. sociol, Millsaps Col, 52-54, assoc. prof, 56-58, prof, 58-60; vis. assoc. prof. sociol. & Russell Sage fel. med. sociol, DUKE, 60-61, assoc. sociol. & med. sociol, 61-64, PROF. SOCIOL, 64-, CHIEF DIV. MED. SOCIOL, MED. CENTER, 67- Consult, community serv. br, Nat. Inst. Ment. Health, 58-61. U.S.A. 43-45, Sgt. Sociol. Asn; Soc. Study Social Probs; Gerontol. Soc. Adolescent socialization; alcohol studies; professions and occupations; gerontology; medical sociology. Publ: Co-auth, Drinking among teenagers, Col. & Univ, 64; A comparative study of social definitions of alcohol and its uses among selected male Negro and white undergraduates, Quart. J. Studies Alcohol; Teenage drinking in the United States, In: Society, culture and drinking patterns. Address: Dept. of Sociology & Anthropology, Duke University, Durham, N.C. 27706.
- MADDUX, GRACE BERYL, b. Hayward, Wis, Jan. 24, 09. ECONOMICS. B.S. American Univ, 54, M.A. 58. Staff mem, U.S. Int. Mil. Tribunal, Germany, 45-46; Near East polit. analyst, U.S. Govt, 47-51, east Europe economist, 52-56; suprvy indust. economist, U.S. Fed. Trade Cmn, 56-67; RES. & WRITING, 68- Superior serv. award, Fed. Trade Cmn, 61 & 67. Econ. Asn; Polit. Sci. Asn. Structure and behavior of United States industry; national policy guides to be found in consumer and business spending patterns; composition and pattern developments of international trade. Publ: Co-auth, Economic inquiry into food marketing; Fruit, juice and vegetable freezing industry; co-auth, Fruit and vegetable canning industry, Fed. Trade Cmn, 64. Address: 5623 Berkeley Rd, Goleta, Calif. 93017.
- MADDUX, PROF. JAMES G(RAY), b. Rison, Ark, Feb. 4, 07; m. 34; c. 4. AGRICULTURAL ECONOMICS. B.S.A. Arkansas, 27; M.S. Wisconsin, 30; Rosenwald fel, London Sch. Econ, 37-38; univ. fel, Harvard, 47-48, M.P.A. & Ph.D. 50. Statistical analyst, Farm Credit Admin, 35; econ. analyst & adminstr, U.S. Dept. Agr. & Farm Security Admin, 36-47; asst. dir. admin, Am. Int. Asn, 48-54; mem. Am. Univ. Field Staff, 54-58; PROF. AGR. ECON, N.C. STATE, 58-, EXEC. DIR. AGR. POLICY INST, 60- Mem. Rural Area Develop. Cmt; Regional Manpower Cmt. Econ. Asn; Agr. Econ. Asn. Problems of under-developed countries. Publ: The advancing South: manpower, prospects and problems, 20th Century, 67; Technical assistance activities of United States religious agencies in Latin America. Address: 220 Patterson Hall, North Carolina State University, Raleigh, N.C. 27607.
- MADDUX, PROF. JAMES ROBERT, b. Flat Rock, Ill, Aug. 13, 10; m. 36; c. 6. ECONOMICS. B.S. Illinois, 42, A.M. 43, Ph.D. 51. Asst. prof. ECON, DENVER, 46-49, assoc. prof, 49-59, PROF, 59-, CHMN. DIV. ADMIN. ENVIRON, COL. BUS. ADMIN, 68- U.S.N. 44-46, Res, 46-, Lt. Econ. Asn. Adjustment to disequilibrium in the balance of payments under the gold standard. Address: Dept. of Economics, University of Denver, Denver, Colo. 80210.
- MADDUX, PROF. RUSSELL W(EBBER), JR, b. Richmond, Va, Sept. 25, 21; m. 44; c. 2. POLITICAL SCIENCE. B.A. Marshall Col, 46; Volker fel, Wayne, 46-47, M.P.A. 48; Ph.D.(polit. sci), Illinois, 53. Asst. POLIT. SCI, Illinois, 47-50; asst. prof, OREGON STATE, 50-55, assoc. prof, 55-62, PROF, 62- Res. asst, State Legis. Interim Cmt, Ore, 56, spec. consult, 58. U.S.A.A.F. 42-45. Polit. Sci. Asn; Soc. Pub. Admin. Municipal government; public administration. Publ: Extraterritorial powers of municipalities in the United States, Oregon State Univ; State and local government; Issues in state and local government, Van Nostrand. Address: 2565 Pendleton Place, Corvallis, Ore. 97330.
- MADISON, CHARLES A(LLAN), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MADISON, DR. E(LIHU), b. Yoakum, Tex, Oct. 5, 05; m. 46; c. 1. FINANCE, ECONOMICS. B.B.A. Texas, 27; M.B.A. N.Y. Univ, 36, Ph.D. 52. From mgr. econ. dept. to GEN. MGR. FINANCE & ECON, TEXACO INC, 62- Address: Texaco Inc, 135 E. 42nd St, New York, N.Y. 10017.
- MADISON, DR. HARRY L(EF), b. Marked Tree, Ark, Oct. 7, 24; m. 63; c. 1. PSYCHOLOGY. B.S. La. State, 47; Ph.D.(psychol), Indiana, 59. Instr. PSYCHOL, WISCONSIN, MILWAUKEE, 56-59, asst. prof, 59-67, ASSOC. PROF, 67-, chmn. dept, 63-65. Mem. soc. sci. eval. panel undergrad. res. proposals, Nat. Sci. Found, 63-64 & eval. panel instructional sci. equip. prog, 68- Psychol. Asn. Experimental psychology; learning; learning theory; mathematical models; perception. Publ: A statistical learning model for figural after-effects, Psychol. Record, 63; Co-auth, Asymmetric reinforcing events in probability learning, 67 & Runway performance and competing responses as functions of drive level and method of drive measurement, 68, J. Exp. Psychol. Address: Dept. of Psychology, University of Wisconsin, Milwaukee, Wis. 53201.
- MADISON, PROF. PETER, b. Marianna, Pa, June 26, 18; m. 44; c. 3. PSYCHOLOGY. Ph.D.(clin. psychol), Harvard, 53. Asst. prof. psychol, Swarthmore Col, 49-60, assoc. prof, 60; assoc. prof. psychol. & dir. counseling serv, Princeton, 61-63; PROF. PSYCHOL, ARIZONA, 63- Res. assoc, Oregon, 55-56. Res. consult, Inst. Pa. Hosp, 54-55. U.S.A. 41-45. Theory of personality; problems of persistence and change in personality habits. Publ: Co-auth, Towards understanding human personalities; Freud's concept of repression and defense, its theoretical and observational language; Hostility in neurotics and normals, J. Abnorm. & Soc. Psychol. Address: Dept. of Psychology, University of Arizona, Tucson, Ariz. 85721.
- MADISON, PROF. RYLAND R(ANDOLPH), b. Los Angeles, Calif, m. 50. SOCIAL SCIENCE. A.B. Stanford, 30, M.A. 31, Ph.D. 37. PROF. SOC. SCI, CALIF. STATE COL. LONG BEACH, 51- Consult, Inst. Inter-Am. Affairs, 46-47; U.S. Dept. State, 59-60. Mil. Int., 43-46, Maj. Current political and social developments, especially Latin American area. Address: Dept. of Social Science, California State College at Long Beach, 6101 E. Seventh St, Long Beach, Calif. 90804.
- MADOW, PROF. WILLIAM G(REGORY), b. New York, N.Y, Feb. 22, 11. STATISTICS. A.B. Columbia, 32, M.A. 33, Carnegie Corp. fel, 34-37, Ph.D. (math), 38. Asst. math. adv. pop. div, U.S. Bur. Census, 40-41, sampling specialist, 44-46; acting chief statist. sect, div. health & disability studies, Soc. Security Bd, 42; statist. adv. rationing dept, Off. Price Admin, 42-43; vis. prof. statist. adv. rationing dept, Off. Price Admin, 42-43; vis. prof. statist, Sao Paulo, 46-47; PROF. math. statist, North Carolina, 48; Illinois, 49-57; STATIST, STANFORD, 57-; STAFF SCIENTIST, DEPT. MATH. SCI, STANFORD RES. INST, 57- Fund Adv. Ed. fel, 53; fel, Center Adv. Study Behav. Sci, 56-57. Chmn. cmt. math. training soc. scientists, Soc. Sci. Res. Coun, 53-61. Math. Soc; Economet. Soc; Biomet. Soc; Sociol. Asn; Soc. Indust. & Appl. Math; Math. Asn; Statist. Asn; Inst. Math. Statist. Survey theory; multivariate analysis; mathematical models in social sciences; reliability. Address: Dept. of Mathematical Sciences, Stanford Research Institute, Menlo Park, Calif. 94025.
- MADRON, DR. THOMAS W(ILLIAM), b. Salt Lake City, Utah, Oct. 4, 37; m. 60; c. 1. POLITICAL SCIENCE. B.S. Westminster Col.(Utah), 59; M.A. American Univ, 64; Ph.D.(polit. sci), Tulane, 65. Spec. asst. to Senator Frank E. Moss, U.S. Senate, 59-60; instr. polit. sci, Westminster Col.(Utah), 60-61; asst. prof, Lambuth Col, 63-64; Lycoming Col, 64-66; campaign adv. to Milton Shapp, Pa, 66; asst. prof. GOVT, WESTERN KENTUCKY, 67-68, ASSOC. PROF, 68- Western Kentucky faculty res. grants, 67-; Am. Polit. Sci. Asn-Nat. Sci. Found. grant, Int. Polit. Sci. Asn. meeting, Brussels, Belgium, 67. Consult, Democratic gubernatorial campaign, Utah, 60; co-owner, Appl. Soc. Sci. Consult, Pa, 64-67. Polit. Sci. Asn. Political theory and methodology. Publ: Small group methods and the study of politics, (in prep) & Methods of political inquiry, (in prep), Northwestern Univ; co-auth, Introductory readings in political science, Scribner, (in prep). Address: Dept. of Government, Western Kentucky University, Bowling Green, Ky. 42101.
- MADSEN, DR. ALBERT G, b. Fairview, Utah, June 12, 32; m. 54; c. 3. ECONOMICS. B.S. Utah State, 58, M.S. 60; Ph.D.(agr. econ), Illinois, 62. Res. assoc. agr. econ, Illinois, 62-63; agr. economist, agr. mkt, U.S. Dept. Agr, 63-65; ASSOC. PROF. ECON, COLORADO STATE, 65- Consult, Nat. Cmn. Food Mkt, 65-66; U.S. Dept. Agr, 65- U.S.A. 54-58, 1st Lt. Agr. Econ. Asn; Econ. Asn. Agricultural economics; agricultural marketing efficiency; industrial organization; economic development; uses made of plywood in construction and manufacturing. Publ: Veal calf shrinkage under auction market conditions, U.S. Dept. Agr, 65; co-auth, Pricing butcher hogs in Illinois country markets, Univ. Illinois, 65; auth, Colorado's cattle feeding industry, Colorado State Univ, 67. Address: Dept. of Economics, Colorado State University, Ft. Collins, Colo. 80521.
- MADSEN, DR. CHARLES H, JR, b. Price, Utah, Mar. 28, 33; m. 57; c. 3. PSYCHOLOGY, EDUCATION. B.A. Brigham Young, 58; M.A. Illinois, 64, Ph.D.(psychol), 65. Asst. prof. psychol. & spec. ed, Illinois, 65-67; ASST. PROF. PSYCHOL, & CO-DIR, CHILD DEVELOP. LAB. SCH. RETARDED, FLA. STATE, 67- Staff psychologist, Champaign County Ment. Health Clin, Ill, 65-67. Consult, Happy Day Sch. Retarded Children, Champaign, 66-67;

res. consult, Leon County Schs, Fla, 67- U.S.M.C., 58-61, Capt. Psychol. Asn; Ed. Res. Asn; Asn. Ment. Deficiency; Coun. Except. Children; Soc. Res. Child Develop; Asn. Adv. Behav. Ther. Teacher-child interaction; behavioral applications to psychotherapy; mental retardation and parent child interactions; psych-educational diagnosis and remediation. Publ: Co-auth, Teaching/discipline, Allyn & Bacon, 69 & Experimental research in music, Prentice-Hall, 69; auth, Nurture and modeling in pre-schoolers, Child Develop, 68. Address: Dept. of Psychology, Florida State University, Tallahassee, Fla. 32306.

MADSEN, PROF. WILLIAM, b. Shanghai, China, Dec. 26, 20; U.S. citizen; m. 45; c. 2. ANTHROPOLOGY. B.A., Stanford, 46; Wenner-Gren Found. fel, California, Berkeley, 52-53, Ph.D.(anthrop), 55. Teaching asst. ANTHROP, California, Berkeley, 51-55; asst. prof, Texas, Austin, 55-61, assoc. prof, 61-63; res. assoc. inst. for study human probs, Stanford, 63; PROF, Purdue, 64-66; CALIFORNIA, SANTA BARBARA, 66- Fel, Hogg Found. Ment. Health, 57-62; Center Adv. Study Behav. Sci., 62-63. Summer vis. prof, California, Berkeley, 56 & 63, Santa Barbara, 57. Am. Field Serv, 41-43. AAAS; fel. Anthropol. Asn. Acculturation; Meso-America; culture and health. Publ: Christo-Paganism: a study of Mexican religious syncretism, Mid. Am. Res. Inst, Tulane Univ, 57; The Virgin's children: life in an Aztec village today, Univ. Texas, 60; The Mexican-Americans of south Texas, Holt, 64. Address: Dept. of Anthropology, University of California, Santa Barbara, Calif. 93106.

MAEHL, PROF. WILLIAM H(ARVEY), European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MAEHR, DR. MARTIN L(OUIS), b. Guthrie, Okla, June 25, 32; m. 59; c. 3. EDUCATIONAL PSYCHOLOGY. B.A., Concordia Sem, 55, B.D., 58; M.A., Nebraska, 59, Ph.D., 60. Gen. counsr, Nebraska, 59-60; instr. psychol, Concordia Col.(Ind), 60-62, asst. prof, 62-66, ASSOC. PROF, 66-67; ED. PSYCHOL, ILLINOIS, URBANA, 67- Nat. Inst. Ment. Health spec. fel, Syracuse, 65-66. Consult, Bd. Higher Ed, Lutheran Church-Mo. Synod, 61- Psychol. Asn; Ed. Res. Asn; Personnel & Guid. Asn; Soc. Sci. Study Relig. Social determinants of behavior; motivation. Publ: Co-auth, Value patterns of men who voluntarily quit seminary training, Personnel & Guid. J., Two experiments on the concept of self and the reaction of others, J. Personality & Soc. Psychol., 1/65 & Changes in self-concept and states of behavioral preferences, Child Develop, 6/67. Address: Dept. of Educational Psychology, University of Illinois, Urbana, Ill. 61803.

MAERTIN, PROF. HARVEY, b. Chicago, Ill, Mar. 13, 17; m. 44; c. 4. BUSINESS MANAGEMENT. B.S., Ill. Inst. Tech, 41; M.B.A., Chicago, 47. Asst. supt. prod. & maintenance, Taylor Forge & Pipe Works, 41-49; supt. maintenance & construct, A.O. Smith Corp, 49-50; asst. to pres, Bingham-Herbrand Corp, 50-52; plant mgr, Gen. Ceramics & Steatite Corp, 50-52; mgr. schedules, Edward Valve, Inc, Rockwell Mfg. Co, 53-55; lectr, Northwestern, 55-60; ASST. PROF. MGT, TOLEDO, 60-, DIR. GRAD. DIV, COL. BUS. ADMIN, 61- Mfg. specialist, Robert N. Williams & Assocs, 59-60. Soc. Mech. Eng; Acad. Mgt. Manufacturing management. Publ: Justice to those with whom he deals, J. Purchasing, fall 67; Location analysis for alfalfa harvester manufacturing, Bur. Bus. Res, Univ. Toledo, 67. Address: College of Business Administration, University of Toledo, Toledo, Ohio 43606.

MAES, DR. JOHN L(EOPOLD), b. Watertown, Mich, Aug. 6, 23; m. 42; c. 2. CLINICAL PSYCHOLOGY. B.Th., Owosso Col.(Mich), 48; A.B., Mich. State, 54, M.A., 57, Ph.D.(psychol), 63. From instr. to asst. prof. psychol, Mich. State, 59-63; from asst. to ASSOC. PROF. PASTORAL COUNSELING, BOSTON, 63-, DIR. COUNSELING SERV, UNIV, 67-, counseling training, Daniels Pastoral Counseling Center, 63-67. Consult, Attleboro Mass. Coun. Churches Counseling Center & Nason Col, 68-69. Psychol. Asn. Size constancy in schizophrenia; identification and psychosexual problems in college students; nature of counseling services in urban universities. Publ: Co-auth, Functional roles and identity, Theol. Ed, spring 67; auth, Role of attention in psychotherapy, J. Ed, Boston Univ, 2/68; Cultural effects on college students, J. Sexology, fall 68. Address: 111 Hosmer St, Acton, Mass. 01771.

MAESHIRO, PROF. ASATOSHI, b. Japan, Jan. 1, 35; m. 62; c. 1. ECONOMICS, STATISTICS. B.A., Hitotsubashi Univ, Japan, 58; Wisconsin, 59-61; Ph.D.(econ), Michigan, 65. Andrew Mellon fel, ECON, PITTSBURGH, 65-66, asst. prof, 66-68, ASSOC. PROF, 68- Economet. Soc; Statist. Asn. Constructions and applications of econometric models. Publ: A simple mathematical relationship among k-class estimators, J. Am. Statist. Asn, 6/66. Address: Dept. of Economics, University of Pittsburgh, Pittsburgh, Pa. 15213.

MAFFEI, DR. RICHARD B(LAISE), Econ, see 10th ed, Soc. & Behav. Vols.

MAFFEO, PROF. PASQUALE EMIL, b. Newark, N.J., Dec. 2, 14; m. 43; c. 1. EDUCATIONAL PSYCHOLOGY. A.B., American Univ, 37; M.A., Columbia, 38. Voc. counsr, MERCER, 46-50, instr. psychol, 49-50, ASSOC. PROF. PSYCHOL. & DIR. GUID, 51- Consult, rehab. prog. State Dept. Ed, Ga, 52-; indust. consult, 55-; consult, Macon Area Voc. & Tech. Sch, 66- U.S.A., 41-46, 1st Lt. Personnel & Guid. Asn. Devising and using prediction tables, determining correlations of achievement, and relationships of these scores to certain fields of study in college admission practices. Address: Dept. of Psychology, Mercer University, Macon, Ga. 31207.

MAFFETT, EARL RANDALL, b. Ft. Scott, Kans, Sept. 24, 25; m. 55; c. 3. CLINICAL PSYCHOLOGY. B.S., Kans. State Col, 49, fel. & M.S., 50; Ed.S., Kans. State Col. Pittsburgh, 67. Teacher, pub. schs, Kans. & Mo, 51-55; prin. & sch. psychologist, Bronaugh, Mo, 55; clin. psychologist, Nev. State Hosp, Mo, 55-61, rehab. specialist, 61-67; INSTR. PSYCHOL, COTTEY COL, 67- U.S.N., 43-46, 51. Psychol. Asn. Vocational guidance and rehabilitation; group psychotherapy. Publ: Clinical note on variable dosage and withdrawal of tranquilizing drug, Am. J. Psychiat., Address: R.R. 1, Bronaugh, Mo. 64728.

MAGARO, DR. PETER ANTHONY, b. Harrisburg, Pa, Jan. 24, 35; m. 64; c. 3. PSYCHOLOGY. B.S., Pa. State, 59; M.A., Illinois, 61, Ph.D.(psychol), 65. Psychol. intern, Elgin State Hosp, 62-63, staff psychologist, 63-64, supv. psychologist & acting unit chief, 64-65; ASST. PROF. PSYCHOL, NORTHERN ILLINOIS, 65-, Dean's Fund, Coun. Acad. Deans res. grants, 66-68. Res. psychologist, Elgin State Hosp, 65-; State Ill. Dept. Ment. Health res. grant, 66-67. U.S.A., 52-56. AAAS; Psychol. Asn. Psychological deficit in schizophrenia; program evaluation in community psychiatry. Publ: The effect of imagined anchors upon adaptation level, Am. J. Psychol, 66; Perceptual impairment in schizophrenia as a function of social class, premorbid adjustment, and censure, J. Abnorm. Psychol, 67; A proposed prescriptive treatment model based upon social class and premorbid adjustment, Psychother: Theory, Res. & Practice, 68. Address: 409 McKinley, St. Charles, Ill. 60174.

MAGARY, PROF. JAMES FREDERICK, b. St. Clair, Mich, Apr. 26, 33. EDUCATIONAL PSYCHOLOGY. A.B., Michigan, 54; M.A., Wayne State, 56; Ph.D. (ed. psychol), Indiana, 60. Psychol. coordinator, Devereux Found, Pa, 58-60; asst. prof. ed. psychol, Southern California, 60-62; prof. spec. ed. & chmn. dept, Jersey City State Col, 62-64; ASSOC. PROF. ED. PSYCHOL. & CHMN. DEPT, SOUTHERN CALIFORNIA, 65- Consult, Albany, Niagara Falls, Los Angeles & Long Beach Schs. ed. bds, 62- Psychol. Asn; Personnel & Guid. Asn; Coun. Except. Children; Ed. Res. Asn. Mental retardation. Publ: The exceptional child; ed, School psychological services: in theory and practice, Prentice-Hall, 67. Address: School of Education, University of Southern California, Los Angeles, Calif. 90007.

MAGEE, ADEN COMBS, b. Longford, Kans, Nov. 28, 99; m. 25; c. 3. AGRICULTURAL ECONOMICS. B.S., Kansas State, 24; M.S., Agr. & Mech. Col., Tex, 26. Ranch mgr, 24-25; co-agent, Agr. Extension, Serv, Tex, 26-30; economet. farm mgt, Agr. Exp. Sta, 31-47; assoc. prof, TEXAS A&M, 47-56, prof. farm mgt & prod. econ, 56-64, chief of party, Argentina Proj, 64-66, PROD. ECONOMIST & ACTING CHIEF OF PARTY FOR DOMINICAN REPUBLIC PROJ, 67- Consult. U.S.A., 18. Acad. Polit. & Soc. Sci. Agricultural adjustments of farm and ranch situations; economics of conservation. Address: c/o U.S. Embassy, Santo Domingo, Dominican Republic.

MAGEE, RICHARD H(ARTNETT), Statist, Econ, see 10th ed, Soc. & Behav. Vols, deceased 65.

MAGER, DR. ROBERT F(RANK), b. Cleveland, Ohio, June 10, 23; m. 48; c. 2. EXPERIMENTAL PSYCHOLOGY. A.B., Ohio, 48, M.A., 50; Ph.D.(exp. psychol), Iowa, 54. Instr. radio broadcasting, Tyler Commercial Col, 48-49; psychol, Ohio, 50-51; engr, radio stas. KKIC & WSUI, Iowa, 51-54; res. scientist, human res. unit, U.S. Dept. Army, Ft. Bliss, Tex, 54-56, sr. scientist, 57-60; asst. prof. psychol, Sacramento State Col, 56-57; sr. scientist, cent. res. lab, Varian Assocs, 60-65; mgr. behav. res. br, Xerox Corp, 65-67; PRES, MAGER ASSOCS, 67-; RES. ADV. INSTRUCTIONAL SYSTS, AM. INST. RES, 67-; DIR. RES, AEROSPACE ED. FOUND, 67- U.S.A., 43-45. Psychol. Asn; Inst. Elec. & Electronics Eng; N.Y. Acad. Sci. Research and application of self instructional techniques; methods of technical training. Publ: Preparing instructional objectives, 62, co-auth, Developing vocational instruction, 67 & auth, If it's worth teaching, 68, Fearon. Address: 13245 Rhoda Dr, Los Altos Hills, Calif. 94022.

MAGGIO, DR. RALPH A, b. Somerville, Mass, Sept. 30, 27; m. 58; c. 1. STATISTICS, MATHEMATICS. B.A., Boston, 52; M.S.C., Rutgers, 56; Pittsburgh, 59-62; Ph.D.(logistics), Ohio State, 66. Prod. supvr, Am. Cyanamid Corp, 52-54; statist. qual. control engr, Bendix Aviation Corp, 54-56; staff statistician, Jones & Laughlin Steel Corp, 56-59; supvr. ops. res, Nat. Steel Corp, 59-65; asst. prof. indust. admin, grad. sch. indust. admin, Purdue, 65-66; ASSOC. PROF. indust. mgt, Ga. Inst. Tech, 67-68; INDUCT. ENG, PITTSBURGH, 68- Lectr, Carnegie Inst. Tech, 57-59. Consult, Battelle Mem. Inst, 67. Statist. Asn; Ops. Res. Soc. Am; Inst. Mgt. Sci. Development of quantitative models for solution of operating and management problems. Publ: Quantitative model for the determination of open hearth metallic materials. Address: School of Industrial Engineering, University of Pittsburgh, Pittsburgh, Pa. 15213.

MAGID, DR. ALVIN, b. Bronx, N.Y., Dec. 16, 37; m. 58; c. 2. POLITICAL SCIENCE. B.A., Hunter Col, 58; M.A., Mich. State, 60, Nat. Defense Ed. Act summer fel, 62, Ford Found-Mich. State Univ. fel, 62-63, Ph.D.(polit. sci), 65. Instr. POLIT. SCI, Mich. State, 64-65; ASST. PROF, Kentucky, 65-67; STATE UNIV. N.Y. ALBANY, 67- Summer res. fcls, Kentucky, 66 & 67. Mem, Midwest Conf. Polit. Sci. Polit. Sci. Asn; African Studies Asn. Comparative political and administrative behavior; cross-cultural study of administrative cooptation and role conflict in Africa and the United States. Publ: Co-ed, Interdisciplinary perspectives on poverty in America, Chandler Pub, (in press); auth, Dimensions of administrative role and conflict resolution among local officials in Northern Nigeria, Admin. Sci. Quart, 9/67; British rule and indigenous organization in Nigeria: a case study in normative-institutional change, J. African Hist, 6/68. Address: Dept. of Political Science, State University of New York, Albany, N.Y. 12203.

MAGILL, DR. JOHN WILLIAM, b. Duquesne, Pa, May 15, 11; m. 32; c. 1. PSYCHOLOGY. B.S., Calif. State Col, 32; Ph.D.(psychol), Pittsburgh, 52. Teacher, schs, Pa, 32-36; operator, by-prod. plan, U.S. Steel Corp, Pa, 36-37; meteorol. observer, U.S. Weather Bur, 37-40; sci. aide, U.S. Dept. Agr, 40-41; meteorol. observer, Nat. Tube Co, Pa, 41-45; voc. appraiser & acting dir. guidance center, Pittsburgh, 45-52, asst. prof. psychol, 52-55; consult. psychologist, dept. pub. instr, State of N.C., 55-60; psychologist, Wilson County Ment. Health Clin, N.C., 60-63; ASSOC. PROF. PSYCHOL, N.C. STATE, FT. BRAGG BRANCH, 63- Psychol. Asn. Address: Dept. of Psychology, North Carolina State University, Ft. Bragg Branch, Ft. Bragg, N.C. 28307.

MAGNUSSEN, DR. MAX GENE, b. Roland, Iowa, Sept. 12, 27; m. 53; c. 1. CLINICAL PSYCHOLOGY. B.A., Iowa, 52, fel. & M.A., 53; Ph.D.(psychol), Kentucky, 58. Trainee clin. psychol, Vet. Admin, 54-58, staff psychologist, hosp, Cincinnati, Ohio, 58-59; consult. psychologist, aircraft nuclear propulsion dept, Gen. Elec. Co, 59-60; staff psychologist, CHILD GUID. CENTER,

60-61, CHIEF PSYCHOLOGIST, 61-, EXEC. DIR, 64- Instr. col. med, Cincinnati, 58-59; lectr, Kentucky, 58-60; Xavier (Ohio), 59-60; Nebraska, 61-U.S.A. 46-48. Psychol. Asn. Projective test validation; diagnostic methods; psychotherapy. Publ: Effect of test order upon children's Rorschach animal content, J. Proj. Tech, 66; co-auth, Where the action is, J. Consult. Psychol, 66 & Family situation factors related to remainders and terminators of treatment, Psychother: Theory, Res. & Practice, 67. Address: Child Guidance Center, 312 Lincoln Center, 215 S. 15th St, Lincoln, Nebr. 68508.

MAGOON, DR. THOMAS M (AYO), b. Lancaster, N.H., July 14, 22; m. 49; c. 5. PSYCHOLOGY, EDUCATION. B.A., Dartmouth Col, 46; M.A., Minnesota, 52, Hill Family Found. grant, 52-55, Ph.D.(psychol), 54. Counsr, Minnesota, 49-52, sr. student personnel worker, counseling bur, 52-55; from asst. prof. to prof. psychol, MARYLAND, 55-65, PROF. ED, 66-, DIR. COUNSELING CENTER, 65- Nat. Inst. Ment. Health ment. health proj. grant, 62-65. Consult, Vet. Admin. Psychol. Prog, 55-65. U.S.A. 43-46, S/Sgt. AAAS; Psychol. Asn. Outcomes of counseling; non-traditional mental health training; demography of college students; correlates of academic achievement; innovations in counseling and student personnel administration; community mental health. Publ: Co-auth, Outcomes of counseling and psychotherapy, Univ. Minnesota, 65 & Mental health counselors at work, Pergamon, 68; auth, Innovations in counseling, J. Counseling Psychol, 66. Address: Counseling Center, University of Maryland, College Park, Md. 20742.

MAGRATH, DEAN C (LAUDE) PETER, b. New York, N.Y., Apr. 23, 33; m. 55; c. 1. POLITICAL SCIENCE, HISTORY. B.A., New Hampshire, 55; Ph.D.(govt), Cornell, 62. Instr. polit. sci, Brown, 61-62, asst. prof. 62-64, assoc. prof, 64-67, prof, 67-68, assoc. dean grad. sch, 65-66; PROF. POLIT. SCI. & DEAN COL. ARTS & SCI, NEBRASKA, 68- Polit. sci. adv. Encyclop. Int, 66-; consult Mechem fel. cmt, law sch, Chicago, 67-U.S.A. 55-57, 1st Lt. Polit. Sci. Asn; Law & Society Asn. American government and politics, with particular emphasis on the supreme court, contemporary constitutional law and American constitutional history. Publ: Morrison R. Waite: the triumph of character, Macmillan, 63; YA200: law and politics in the new republic, Brown, 66; The obscenity cases: grapes of Roth, In: Supreme court review, 66, Univ. Chicago, 66. Address: College of Arts & Sciences, University of Nebraska, Lincoln, Nebr. 68508.

MAH, DR. FENG-HWA, b. Kaifeng, China, Mar. 25, 22. ECONOMICS. B.L., Peking, 47; M.A., Michigan, 56, Orla B. Taylor fel, 58-59, Ph.D.(econ), 59. Res. fel. ECON, California, 59-60; asst. prof, Los Angeles State Col, 60-61; WASHINGTON (SEATTLE), 61-64, ASSOC. PROF, 64- Fulbright-Hays faculty res. fel, 67-68. Econ. Asn; Asn. Asian Studies. International economics; economic development and growth; Chinese economics. Publ: Price structure and behavior in Communist China's foreign trade, 1955-1959; Financing of public investment in Communist China, J. Asian Studies; First five-year plan and its international aspects, In: International economics of Communist China. Address: Dept. of Economics, University of Washington, Seattle, Wash. 98105.

MAH, PROF. N. WING, b. Canton, China, May 10, 95; nat; m. 21; c. 3. POLITICAL SCIENCE. A.B., Illinois, 17; A.M., California, 17, Ph.D. 21. Asst. prof. POLIT. SCI., CALIFORNIA, BERKELEY, 28-37, from assoc. prof. to prof, 37-60, EMER. PROF, 60-, instr. army specialized training prof, 44-45. Vis. prof, Calif. Col. in China, 29; lectr, San Francisco State Col, 38-39, 47; vis. assoc. prof, California, Los Angeles, 45; lectr, Far East. Training Sch, Off. War Info, 45. Exec. secy. spec. affairs, cent. polit. coun, Nat. Govt. China, 29-32, mem. legis. & ministry for. affairs, 30-33; adv. Consulate Gen. of China, San Francisco, 33-36. Mem. coun. Prov. Govt. Kwangtung, China, 47-49; Am. Inst. Pac. Rels. The Far East, especially China. Address: Dept. of Political Science, Univ. of California, Berkeley, Calif. 94720.

MAHADY, PROF. PAUL W (ILLIAM), b. Latrobe, Pa., Nov. 19, 08. ECONOMICS. A.B., Harvard, 30, LL.B., 33. From instr. to ASSOC. PROF, Seton Hill Col, 33-47; ECON, ST. VINCENT COL, 47- Mem. Pa. Hist. & Mus. Cmn, 61-; Great Lakes Cmn, 63- Acad. Polit. & Soc. Sci. Pragmatism, sovereignty and one world; development of real estate finance in United States; social legislation and political rights-law of compensation. Address: 317 Weldon St, Latrobe, Pa. 15650.

MAHAFFEY, DR. ROBERT BRUCE, b. Upper Sandusky, Ohio, May 21, 40; m. 67. SPEECH & HEARING SCIENCE. B.A., Ohio State, 62, M.A., 63, Ph.D. (speech sci), 66. Res. asst. psychoacoustics, Ohio State, 62-66; asst. prof. speech sci, SOUTHERN MISSISSIPPI, 66-67, CHMN. DEPT. SPEECH & HEARING SCI, 67- U.S. Off. Ed. res. grant, 68-69. Mem. Int. Cong. Audiology, 66. Speech & Hearing Asn; Acoustical Soc. Am. Auditory perception, temporal aspects of speech and the interrelationship of the two; computer applications to areas of speech and hearing. Address: Dept. of Speech & Hearing Science, University of Southern Mississippi, Box 92, Southern Station, Hattiesburg, Miss. 39401.

MAHAJANI, DR. USHA GANESH, b. Poona, India, Feb. 6, 33. INTERNATIONAL RELATIONS. B.A., Rajasthan, India, 52; M.A., Smith Col, 54; Ph.D. (int. rels), Hopkins, 57. Res. assoc. int. rels, dept. hist, Delhi, 58-59; asst. res. officer int. rels. & Southeast Asia, hist. div, External Affairs Ministry, New Delhi, 59-61; res. fel. int. rels, Australian Nat. Univ, 62-67; ASSOC. PROF. SOUTHEAST ASIA & INT. RELS, SOUTHEAST ASIA STUDIES PROG, CENT. WASH. STATE COL, 67- Asn. Asian Studies; Acad. Polit. Sci. Foreign aid in southeast Asia; nationalism in southeast Asia; international conflicts in southeast Asia. Publ: The role of Indian minorities in Burma and Malaya, Inst. Pac. Rels, New York & Bombay, 60; Foreign aid at the operational level in southeast Asia, In: Yearbook of world affairs, Univ. Col. London, 65; Kennedy's strategy of economic aid: the Clay report and after, West. Polit. Quart, 9/65. Address: Dept. of Political Science, Central Washington State College, Ellensburg, Wash. 98926.

MAHAN, GENEVIEVE ELLIS, b. Canton, Ohio, Aug. 1, 09. SOCIOLOGY. A.B., Western Reserve, 31, A.M., 41; Ford Found. fel, Yale, 52; Acad. Polit. Ed. Studies, Tutzing, Germany, 63. Teacher, high schs, Ohio, 37-52; asst. SOCIOL, Yale, 53-55; INDEPENDENT RES, 55- Fel. Sociol. Asn; Acad.

Polit. & Soc. Sci. Political caricature; survey and assessment of areas and methods of research in nursing. Address: 804 Fifth St, N.W., Canton, Ohio 44703.

MAHAN, PROF. HOWARD F, Hist, Polit. Sci, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MAHAN, SISTER M. BRIAN (JO ANN), b. Vermillion, S.Dak, Oct. 2, 29. SOCIOLOGY. Ph.D.(sociol), St. Louis, 55. Instr. SOCIOL, MT. MARTY COL, 55-67, PROF, 67- Fel. Sociol. Asn. Marriage and the family; mental health; social psychology. Address: Dept. of Sociology, Mt. Marty College, Yankton, S.Dak. 57078.

MAHAN, DR. THOMAS W (ILLIAM), JR, b. Pittsfield, Mass, Jan. 28, 29. PSYCHOLOGY. B.A., Catholic Univ, 50, M.A., 51; M.A., Fairfield, 52; Fordham, 52-53; Ph.D.(ed), Connecticut, 59. Teacher, Norwich Free Acad, Conn, 56-57, sch. psychologist, 59-60; intern clin. psychol, Norwich State Hosp, 57-58, sr. clin. psychologist, 58-59; asst. prof. ed, Connecticut, 60-64; consult. spec. ed, State Dept. Ed, Conn, 64-65; assoc. prof, Boston, 65-66; DIR, PROJ. CONCERN, HARTFORD, 66-; DIR. INST. HUMAN DEVELOP, UNIV. HARTFORD, 67- Lectr, Fairfield, 59-60. Consult, Norwich Free Acad, 60-; res. consult, J.P. Cleaver Co, 61-62. U.S.C.G., 53-56, Lt.(jg). Psychol. Asn; Personnel & Guid. Asn. Socio-cultural differences in learning style; techniques of personality assessment; determinants of cognitive style. Publ: Unique aspects of the low ability student: a challenge to counseling, J. Counseling Psychol, 63; co-auth, Phenomenological constructs, social standards and school performance, J. Sch. Psychol, 65; auth, The teacher as provocative adventurer, Teachers Col. Record, 66. Address: 80 Pliny St, Hartford, Conn. 06120.

MAHAR, DR. JAMES M. b. Portland, Ore, Aug. 21, 29; m; c. 1. ANTHROPOLOGY. B.A., Reed Col, 53; Ph.D., Cornell, 66. Lectr. ORIENTAL STUDIES, ARIZONA, 58-61, asst. prof, 61-66, ASSOC. PROF, 66- Fulbright-Hays res. fel, India, 68-69. Trustee, Am. Inst. Indian Studies, 62-63. U.S.A. 46-49, Sgt. Anthrop. Asn; Ethnol. Soc; Asn. Asian Studies; Oriental Soc. Inter-village social organization in North India. Publ: India: a critical bibliography, Univ. Arizona, 64. Address: Dept. of Oriental Studies, University of Arizona, Tucson, Ariz. 85721.

MAHATOO, DR. WINSTON H, b. Siparia, Trinidad, Feb. 25, 27; m. 64; c. 1. PSYCHOLOGY. B.Sc., McGill, 53, M.Sc., 55; Ph.D.(clin. psychol), Montreal, 60. Study dir. mkt. res, M.R.C. Ltd, Que, 56-59; v-pres. mkt. res, Int. Surv. Ltd, Ont, 60-66; ASSOC. PROF. MKT, McMaster, 66- Am. Mkt. Asn; Can. Psychol. Asn. Marketing research, including attitude surveys, motivational research, advertising tests, laboratory package testing. Publ: Co-auth, The effects of sensory isolation, Can. J. Psychol, 57; auth, The importance of packaging in consumer products, The Marketer, 65. Address: Dept. of Commerce, McMaster University, Hamilton, Ont, Can.

MAHER, PROF. BRENDAN A (RNOLD), b. Widnes, Eng, Oct. 31, 24; m. 52; c. 4. PSYCHOLOGY. B.A., Manchester, 50; Mundt-Smith & Fulbright scholars, Ohio State, 50-51, M.A., 51, Ph.D.(psychol), 54; fel, Illinois, 52-53. Psychologist, H.M. Prison, Eng, 54-55; instr. psychol, Ohio State, 55-56; asst. prof, Northwestern, 56-58; assoc. prof, La. State, 58-60; lectr. psychol. & res. assoc. soc. rels, Harvard, 60-64, chmn. center res. personality, 62-64; prof. psychol, Wisconsin, 64-67; BRANDEIS, 67-68, RIKLIS PROF. BEHAV. SCI, 68- Nat. Insts. Health spec. res. fel, Copenhagen, 66-67. Consult, Dept. Hosps, La, 58-60; Vet. Admin, 59-; Nat. Insts. Health, 64-R.N., 43-47, Lt. AAAS; fel. Am. Psychol. Asn; Law & Soc. Asn; Brit. Psychol. Soc. Cortical functions; conflict; psychopathology. Publ: Principles of psychopathology, 66 & Introduction to research in psychopathology, 68, McGraw; The selected papers of George Kelly, Wiley, 69. Address: Dept. of Psychology, Brandeis University, Waltham, Mass. 02154.

MAHER, PROF. EDWARD D (RENNAN), b. Perth, Ont, Jan. 9, 19; m. 48; c. 4. ECONOMICS, BUSINESS ADMINISTRATION. B.A., Toronto, 40; M.B.A., Pennsylvania, 49. Instr. finance, Wharton Sch. Finance & Commerce, Pennsylvania, 49-54; MAGEE PROF. BUS. ADMIN, NEW BRUNSWICK, 54-, chmn. dept, 54-67. Econ. Asn; Finance Asn. Address: Dept. of Business Administration, University of New Brunswick, Fredericton, N.B., Can.

MAHER, DR. JOHN E (DWARD), b. Utica, N.Y., Dec. 26, 25; m. 47; c. 3. ECONOMICS. A.B., Harvard, 48, Ph.D.(econ), 55; M.S., Wisconsin, 49; fel, Wesleyan, 53. Economist, U.S. Dept. Labor, 51; instr. econ, DePauw, 54-57, res. grant, 55; asst. prof, Wesleyan, 57-61; assoc. prof, Mich. State, 61-64; SR. ECONOMIST, JOINT COUN. ECON. ED, 64- Lectr, State Univ. N.Y. Binghamton, 67-68. Consult, Cmt. Econ. Planning & Develop, 60; State Motor Vehicle Dept, Conn, 61; Ad Hoc Cmt. Standard Terminology Instr. Local & State Sch. Sys., 67. U.S.N., 43-46, 51-53, Res, 53-, Lt. Comdr. Econ. Asn. Economic theory; statistics; labor economics. Publ: Labor and the economy, Allyn & Bacon, 65; What is economics?, Wiley, 68; Wage pattern in the U.S., 1946-1957, Indust. & Labor Rels. Rev. Address: Joint Council on Economic Education, 1212 Avenue of the Americas, New York, N.Y. 10036.

MAHER, PROF. ROBERT FRANCIS, b. Eldora, Iowa, July 14, 22; m. 57; c. 4. ANTHROPOLOGY. B.S., Wisconsin, 48, M.S., 50, univ. fel, 51, Ford Found. fel, 54, Knapp fel, 55, Ph.D.(anthrop), 58. Instr. ANTHROP, Wisconsin, Milwaukee, 53-54; DePauw, 56-57; asst. prof, WESTERN MICHIGAN, 57-62, assoc. prof, 62-65, PROF, 65-, CHMN. DEPT, 67- Nat. Inst. Ment. Health res. grant, 59-60; Fulbright sr. researcher, 60-61. U.S.A., 42-46. Anthrop. Asn; Soc. Am. Archaeol; Ethnol. Soc. Archaeology and ethnology of the southwest Pacific. Publ: New men of Papua, Univ. Wisconsin, 61; Social structure and cultural change in Papua, Am. Anthropologist, 60; From cannibal raid to Copra Kompani: changing patterns of Korik politics, Ethnology, 67. Address: Dept. of Anthropology, Western Michigan University, Kalamazoo, Mich. 49001.

MAHER, TRAFFORD P, S.J., b. Platte Center, Nebr, Mar. 14, 17. COUNSELING PSYCHOLOGY. A.B., St. Louis, 36, A.M., 39; Minnesota, 47-48; Ph.D. (counseling ther), Catholic Univ, 52. Instr. ther, Catholic Univ, 49-51;

PROF. ED. & DIR. DEPT. ST. LOUIS, 54- Res. grants, Carnegie, 54, Ford, 62, Fund for Adv. Ed, 65. Consult, Southwestern Bell Tel. Co, 58-; Stix Baer & Fuller Co, 58- Social Health Assn. Types of therapy best suited to different personality types. Publ: *Lest we build on sand, 63 & Self—a measureless sea, 65*, Cath. Hosp. Assn. Address: 221 N. Grand, St. Louis, Mo. 63103.

MAHEUX, DR. VICTOR, b. Quebec, Que, Jan. 11, 18. PSYCHOLOGY. Lic. philos. Laval, 56; M.A., Catholic Univ, 59; Ph.D.(psychol), McGill, 63. Asst. prof. PSYCHOL, Laval, 63-64; Brandon, 64-65, ASSOC. PROF, 65-66; LOYOLA COL.(QUE), 66- Can. Psychol. Assn. Perception; learning; personality; physiological psychology. Publ: Co-auth, Geometrical factors in illusions of direction, *Am. J. Psychol*, 12/60; auth, Distraction effects and stimulus generalization, *Psychol. Record*, 1/64. Address: Dept. of Psychology, Loyola College, 7141 Sherbrooke St. W, Montreal 28, Que, Can.

MAHL, PROF. GEORGE F(RANKLIN), b. Akron, Ohio, Nov. 27, 17; m. 44; c. 1. PSYCHOLOGY. A.B. Oberlin Col, 39, M.A., 41; Ph.D.(psychol), Yale, 48; cert. psychoanal, West. New Eng. Inst. Psychoanal, 62. Asst. prof. PSYCHOL, inst. human rels, YALE, 47-50, SCH. MED, 50-53, assoc. prof, 53-64, PROF, 64- Instr. West. New Eng. Inst. Psychoanal, 61- Psychol. consult, Vet. Admin, 54- U.S.A., 42-46. Psychol. Assn. Psychoanalysis; speech and language. Publ: Disturbances and silences in patient's speech in psychotherapy, *J. Abnorm. & Soc. Psychol*; co-auth, Psychological responses in the human to intracerebral electrical stimulation, *Psychosom. Med*, 64; auth, Clinical observations on nonverbal behavior during interviews, *J. Nerv. & Ment. Diseases*, 67. Address: Yale University School of Medicine, 333 Cedar St. New Haven, Conn. 06519.

MAHLER, DR. WALTER R(OBERT), b. Pompey's Pillar, Mont, July 4, 17; m. 41; c. 2. INDUSTRIAL PSYCHOLOGY. A.B. Colo. State Col, 39; M.A. Columbia, 42, Ph.D.(indust. psychol), 51. Dist. supvr, Nat. Youth Admin, 39-42; dir. tech. training, S.H. Kress & Co, 43-44; personnel res, Wright Aeronaut. Corp, 44-47; sr. consult, Psychol. Corp, Inc, 47-54; PRES, MAHLER ASSOCs, INC, 54- AAAS; Psychol. Assn. Synthetic flight training; methods of measuring job performance of individuals; effectiveness of personnel administration in business and industry. Publ: Twenty years of merit rating; How industry determines the need for and effectiveness of training; Study of the transfer effects of synthetic flight training in naval air training. Address: 10-B Midland Park Center, Midland Park, N.J. 07432.

MAHMOUD, PROF. SHAH, b. Kandahar, Afghanistan, Dec. 23, 36; m. 60; c. 3. ECONOMICS, INTERNATIONAL TRADE. B.B.A., Toledo, 61, M.B.A., 61; fel, Columbia, 61-62, award, 62-64, Ph.D.(bus), 67. Res. fel. int. trade, Columbia, 61-62; ASSOC. PROF. ECON, RUTGERS, 67- Nat. Bur. Econ. Res. award, 66. Finance; management; marketing. Address: Dept. of Economics, Rutgers, The State University, 60 College Ave, New Brunswick, N.J. 08903.

MAHOLICK, DR. LEONARD T(HOMAS), b. Coaldale, Pa, Apr. 18, 21; m. 43; c. 5. PSYCHOMETRICS. B.S. Maryland, 44, M.D., 46; Vienna, 60; C.G. Jung Inst, Zurich, Switz, 65. Intern, hosp, Emory, 46-47; resident, Lawson Vet. Admin. Hosp. & Emory, 47-48; asst. chief neuropsychiat. serv, Oliver Gen. Hosp, Augusta, Ga, 48-50; fel. psychiatrist, Austen Riggs Center, Mass, 50; dir, Savannah-Chatham County Ment. Health Clin, 51-52; MED. DIR, BRADLEY CENTER, INC, 55- Asst. clin. prof, Med. Col. of Ga, 49-50; private practice, 52- Consult, Muscogee County Pub. Health Dept, 52-53; State Div. Voc. Rehab, Ga, 57; spec. consult, Nat. Inst. Ment. Health, 62-; consult, ment. health clin, Houston County Pub. Health Dept, Ala, 64-; ment. health clin, Troup County Pub. Health Dept, Ga, 66- World Fedn. Ment. Health; fel. Psychiat. Assn; Soc. Group. Psychother. & Psychodrama; Am. Med. Assn; Group Psychother. Assn; fel. Pub. Health Assn; Acad. Relig. & Ment. Health. Community mental health planning and programming; mental health training; community and clinic services; psychotherapy. Publ: Co-auth, Opening doors for troubled people, C.C. Thomas, 63; auth, Proposed plan for community-wide mental health, *Am. J. Pub. Health*; Responsibilities and functions of community mental health centers, *Ment. Hyg.* Address: 6613 Waterford Rd, Columbus, Ga. 31904.

MAHONEY, DR. CHARLES H(ENRY), b. Hobart, Okla, May 6, 32; m. 54; c. 2. PSYCHOLOGY. A.B. Oklahoma, 53, M.S., 54; Danforth fel, 53-58; U.S. Pub. Health Serv. fel, Michigan, 54-55, M.A., 55, univ. fel, 57-58, Ph.D.(psychol), 59. Trainee psychol, Vet. Admin. Hosp, Dearborn, Mich, 55-56, Ann Arbor, 56-57; chief counsr. & asst. prof, div. ed. reference, Purdue, 58-63; asst. prof. PSYCHOL, Okla. State, 63-65; ASSOC. PROF, TEX. TECH. COL, 65- Consult, Payne County Guid. Center, 63-65; Big Springs State Hosp, 68-; Vet. Admin. Training Prog. Psychol, 68- Psychol. Assn. Counseling and psychotherapy; motivation research; developmental approach to personality theory; psychology and religion. Publ: Fear of failure and unrealistic vocational aspiration, *J. Abnorm. & Soc. Psychol*; co-auth, Effective group participation and group norms, *J. Soc. Psychol.* Address: Dept. of Psychology, Texas Technological College, Lubbock, Tex. 79409.

MAHONEY, JAMES E(DWARD), b. Highbridge, N.J., Jan. 20, 33; m. 55; c. 3. PUBLIC ADMINISTRATION, SOCIAL PSYCHOLOGY. B.S. Fla. State, 58, M.S., 61; NASA & Sloan fcls, Mass. Inst. Tech, 62-64. Bus. mgr. res. admin, oceanog. inst, Fla. State, 57-58, asst. to dir, 59-62, instr. mgt, sch. bus, 60-62; res. assoc. res. & develop. mgt, Sloan Sch. Mgt, Mass. Inst. Tech, 64-65; dir. mgt. res, progs, NASA Hq, Wash, D.C., 65-67, chief tech. dissemination br, 66-67; SR. SCIENTIST, PROG. POLICY STUDIES SCI. & TECH, GEORGE WASHINGTON, 67- NASA grant, 67- Consult. & mem. bd, Rezon Inc, Fla, 61-65; consult, Arthur D. Little, Inc, Mass, 64-65; NASA Hq, Wash, D.C., 65; Coun. Better Govt, Mo, 67-; trustee, Eng. Index, Inc, New York, 67-70. U.S.N., 53-57, Res, 57-65, Lt. Cmdr. Soc. Pub. Admin; Inst. Mgt. Sci. Behaviorally oriented studies of policy questions which involve science and technology; organization and management studies of large scale technically based enterprise; experiments which transferred technology to various societal problem areas. Publ: Co-auth, Role of the university in research and economic development, *Fla. Coun. Econ. Develop.* 4/63 & Technology—a resource, *Res/Develop*, 9/66; auth, Promising approaches toward understanding technology transfer, In: Report of national

conference on technology utilization and economic growth, Indiana Univ. 68. Address: Program of Policy Studies, George Washington University, 2100 Pennsylvania Ave, N.W., Washington, D.C. 20006.

MAHONEY, DR. JAMES TAYLOR, Psychol, see 10th ed, Soc. & Behav. Vols.

MAHONEY, DR. JOSEPH F, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MAHONEY, DR. STANLEY CHELLIS, b. Hartford, Conn, June 11, 28; m. 50; c. 3. PSYCHOLOGY. A.B. Drew, 50; M.S.S.W., Louisville, 52; M.S., Oklahoma, 54, Ph.D.(psychol), 60. Asst. prof. psychol. & clin. psychologist, psychol. serv. center, Ft. Hays Kans. State Col, 56-59, from assoc. prof. to prof. psychol. & dir. psychol. serv. center, 59-63; CONSULT. CLIN. PSYCHOL, community ment. health serv, Kans. State Dept. Insts, 63-66; NAT. INST. MENT. HEALTH, 66- Lectr, Washburn, 63-66. Consult, Hadley Hosp. Rehab. Center, Hays, Kans, 59-63. U.S.A., 46-47. Fel. Psychol. Assn; fel. Asn. Ment. Deficiency; Pub. Health Assn; Personnel & Guid. Assn. Psychotherapy; psychodynamics; helping processes; empathy; personality; community organization. Publ: The art of helping people effectively, *Asn. Press*, 67; The written report to a community resource, *Ment. Hosps*, 3/65; Number magic: the oversimplified quantification of complex problems, *Soc. Serv. Rev*, 3/68. Address: 8824 Princeton St, Westminster, Colo. 80030.

MAHONEY, PROF. THOMAS A(RTHUR), b. St. Louis, Mo, Feb. 28, 28. LABOR ECONOMICS, INDUSTRIAL RELATIONS. A.B. Wabash Col, 50; M.A. Minnesota, 51, Ph.D.(econ), 56. Res. fel. & instr, INDUST. RELS. CENTER, MINNESOTA, MINNEAPOLIS, 50-56, res. assoc. & asst. prof. ECON. & INDUST. RELS, 56-59, assoc. prof, 59-61, PROF, 61-, dir. center, 64-66. Fel, inst. basic math, Harvard, 59-60; vis. prof. sch. bus. admin, Wisconsin, Milwaukee, 67-68. Ed. consult, State Farm Ins. Co, 60-; summer consult, Nat. Develop. & Mgt. Found. S.Africa, 61 & 65, Confederation Patronal de la Republica Mexicana, 65-67. Econ. Assn; Indust. Rel. Res. Assn; Acad. Mgt; Inst. Mgt. Sci. Criteria of organizational effectiveness; quantitative analysis and applications within industrial relations. Publ: Building the executive team; Identification of management potential; Managerial perceptions of organizational effectiveness, *Mgt. Sci*, 10/67. Address: Industrial Relations Center, University of Minnesota, Minneapolis, Minn. 55455.

MAHOOD, DR. HARRY RICHARD, b. Wheaton, Ill, Nov. 7, 25. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A. Oklahoma, 51, M.A., 52; Texas, 54-56; scholar, Illinois, 58-60, Ph.D., 60. Personnel clerk, U.S. Civil Serv. Cmn, 48-49; analyst, U.S. Dept. State, 49; asst, Oklahoma, 51-52; admin. asst, Int. Bus. Mach. Corp, 52-54; asst, Texas, 54-55; asst. prof. POLIT. SCI, La. Polytech, 60-64; ASSOC. PROF. MEMPHIS STATE, 64- U.S.A., 44-47, Res, 47-, Capt. Polit. Sci. Assn. International organizations; American foreign policy formulation; pressure groups influence on foreign policy formulation. Address: Dept. of Political Science, Memphis State University, Memphis, Tenn. 38111.

MAHOOD, LELAND H, Indust. Rel. Counseling, see 10th ed, Soc. & Behav. Vols.

MAHRER, PROF. ALVIN R(AYMOND), b. Cleveland, Ohio, Nov. 26, 27; m. 52; c. 2. CLINICAL PSYCHOLOGY. Ph.D. Ohio State, 54. Clin. psychologist, Univ. Park Psychol. Center, Denver, Colo, 56-67; PROF. PSYCHOL. & DIR. CLIN. PSYCHOL. PROG, MIAMI (OHIO), 67- Asst. chief psychologist, Fitzsimons Army Hosp, 54-57; Denver Vet. Admin. Hosp, 57-67. Bell award, 59. Psychol. Assn. Psychotherapy and personality theory. Publ: Auth. & ed, The goals of psychotherapy, Appleton, 67; Personality classification: new approaches, Dorsey, 68; auth, Preface to the mind-body problem, *Psychol. Record*. Address: Dept. of Psychology, Miami University, Oxford, Ohio 45056.

MAI, PROF. LUDWIG H(UBERT), b. Mannheim, Germany, Mar. 27, 98; m. 27; c. 3. ECONOMICS. Dipl. Mannheim-Heidelberg, 20; Ph.D., Goethe, 23. From assoc. prof. to prof. ECON, ST. MARY'S (TEX), 50-67, UNIV. PROF, 67-, DIR. INT. RELS. INST, 54-, dean grad. sch, 59-67. Econ. Assn; Planning Assn. International economics. Publ: Approach to economics, Littlefield, 65; United States economics and the world, *Am. Heritage & Mod. World*; Role of the southwest in foreign trade, *Southwest Resources Handbook*. Address: 343 Shadwell Dr, San Antonio, Tex. 78228.

MAIER, PROF. FRANK H(ERMAN), b. Elmhurst, Ill, Jan. 5, 18; m. 48; c. 2. ECONOMICS. A.B. Valparaiso, 40; M.B.A., Chicago, 40, M.A., 50. Asst. agr. econ, Chicago, 49-51; asst. prof. econ, Vanderbilt, 51-54; agr. economist, U.S. Dept. Agr, 54-68; ASST. PROF. ECON, FLA. STATE, 68- U.S.A., 43-46. Econ. Assn; Agr. Econ. Assn. Farm tenure; agricultural marketing; accounting. Publ: Consumer demand for cigarettes estimated from state data, *J. Farm. Econ*; Sale value of flue-cured tobacco allotments, *Va. Agr. Exp. Sta. Tech. Bull*; Tenure status of farmworkers in the United States, U.S. Dept. Agr. Tech. Bull. Address: 1724 Kathryn Dr, Tallahassee, Fla. 32303.

MAIER, PROF. JOSEPH B(EN), b. Germany, Jan. 24, 11; m. 37; c. 1. SOCIOLOGY. A.M. Columbia, 34, Ph.D., 39. Asst. inst. soc. res, Columbia, 35-38; radio res. proj, Princeton, 39; asst. ed, AUFBAU, N.Y., 40-43; Schocken Books, Inc, 46-47; from asst. prof. to PROF. SOCIOL, RUTGERS, 47- Vis. lectr, N.Y. Univ, 47; Fulbright prof, Frankfurt, 57-58; summers, vis. prof, Columbia, 57, 60, Univ. Concepcion, 62 & 65, field dir, Columbia Univ. Metrop. Grad. Summer Field Training Prog, Concepcion, Chile, 66. Propaganda analyst, Off. War Info, N.Y. & London, 43-45; chief anal. sect, interrogation div, Off. U.S. Chief of Counsel, 45-46. Sociol. Assn; Soc. Sci. Study Relig. Sociology of religion; Latin America, especially politics and the university. Publ: Hegel's critique of Kant, Columbia, 39; Politics of change in Latin America, Praeger, 64; Cyclical theories of social change, In: *Sociology and history*, Macmillan, 64. Address: Dept. of Sociology, Rutgers, The State University, Newark, N.J. 07102.

MAIER, PROF. NORMAN R(AYMOND) F(REDERICK), b. Sebewaing, Mich, Nov. 27, 00; m. 30; c. 3. PSYCHOLOGY. A.B. Michigan, 23, M.A., 25, Ph.D. (psychol), 28; Berlin, 26-27. Asst. prof. psychol, Long Island, 28-29; Nat.

- Res. Coun. fel. zool. Chicago, 29-31; instr. PSYCHOL, MICHIGAN, 31-35, asst. prof, 35-39, assoc. prof, 39-45, PROF, 45- Fel. AAAS (award) 38; fel. Psychol. Asn; Indust. Rels. Res. Asn. Reasoning; frustration; human relations; group problem solving. Publ: The appraisal interview, Wiley, 58; Problem solving discussions and conferences, McGraw, 63; Psychology in industry, Houghton, 3rd ed, 65. Address: Dept. of Psychology, University of Michigan, Ann Arbor, Mich. 48104.
- MAIER, DR. RICHARD A. b. Ann Arbor, Mich. Sept. 17, 33; m. 57; c. 1. PSYCHOLOGY, ZOOLOGY. B.A. Michigan, 55; M.A. Emory, 57; Ph.D. (psychol), Kansas State, 62. Asst. prof. PSYCHOL, LOYOLA (ILL), 61-66, ASSOC. PROF, 66- Animal Behav. Soc; Psychol. Asn; Soc. Mammal. Comparative psychology. Publ: Co-auth, Comparative animal behavior, Wadsworth, 68; auth, Maternal behavior: the role of physical contact, 63 & Maternal behavior: The role of pre-test restriction of movement, 63, J. Comp. & Physiol. Psychol. Address: Dept. of Psychology, Loyola University, 820 N. Michigan Ave, Chicago, Ill. 60611.
- MAILEY, PROF. HUGO VALENTINO, b. Bridgeport, Pa, June 29, 15; m. 41; c. 1. POLITICAL SCIENCE. B.S. Pa. State Teachers Col. (West Chester), 37; M.A. Pennsylvania, 39, Ph.D. 50; summer, Temple, 39. Teacher, high sch, Pa, 41-46; instr. POLIT. SCI, WILKES COL, 46-50, asst. prof, 50-51, assoc. prof, 51-52, PROF, 52-, DIR. INTL. REGIONAL AFFAIRS, 67-, asst. dir. eve. div, 50-60, dir. inst. munic. govt, 51-67. Instr. pub. serv. inst, Dept. Pub. Instr, Pa, 52-, res. assoc, bur. munic. affairs, 56, evaluator, higher ed. act title I agency, 67-; prof. grad. prog. for teachers, Temple, 61-62; evaluator, Nat. Sci. Found, 67- Exec. dir, Wyoming Valley Sanit. Authority, 62- Polit. Sci. Asn; Arbit. Asn; Acad. Polit. & Soc. Sci. Local government; political behavior. Publ: Co-auth, Wilkes-Barre okays council-manager plan, 6/67 & auth, Joint municipal communication system, 10/67, Pennsylvanian; A regional pollution abatement program, Pub. Works, 10/67. Address: Dept. of Political Science, Wilkes College, Wilkes-Barre, Pa. 18703.
- MAILICK, PROF. SIDNEY, b. Chicago, Ill. June 27, 23; m. 47; c. 2. PUBLIC ADMINISTRATION. M.A. Chicago, 47, Ph.D. (polit. sci), 55. Dir. exam. div, Israel Civil Serv. Cmn, Prime Minister's Off, 50-52; performance eval. prog, Chicago Civil Serv. Cmn, Ill, 52-55; lect. polit. sci. & dir. center progs. govt. admin, Chicago, 55-58; dir. govt. exec. prog, GRAD. SCH. PUB. ADMIN, N.Y. UNIV, 58-61, assoc. prof. PUB. ADMIN, 61-64, PROF, 64-, DIR. EXEC. DEVELOP. PROG, 63- Lectr, Hebrew Univ, 51-52; exec. develop. progs, U.S. Dept. Army, 57-61; U.S. Dept. Agr, 57-61; Dept. Health, Ed. & Welfare, 57-61; Brookings Inst, 57-61. Consult, pub. affairs div, Ford Found, 61- U.S.A., 42-45. Soc. Pub. Admin. Executive development, training and education. Publ: Co-ed, Concepts and issues in administrative behavior. Address: Graduate School of Public Administration, New York University, Washington Square, New York, N.Y. 10003.
- MAILLOUX, NOEL, O.P. b. Napierville, Que, Dec. 25, 09. PSYCHOLOGY. B.A. Col. St. Marie, 30; Ph.D. (psychol), Pontificio Ateneo Angelicum, Italy, 34, S.Th.L., 38. Prof. PSYCHOL, Col. Philos. Theol. Dominicans, 38-41; prof. sec. norm. sch. inst. psychol, MONTREAL, 41-50, chmn. dept, 42-57, PROF, 57- Fel. Cincinnati, 39; clin. dir, Orientation Center, Que, Can; pres, Center Res. Human Rels. Chief ed, Contributions a l'Etude des Sci. de l'Homme. Can. Psychol. Asn; Royal Soc. Can. Personality; criminology; theory of neurosis. Address: Dept. of Psychology, University of Montreal, Montreal, Que, Can.
- MAIN, PROF. O(Scar) W(ARREN), b. Hamilton, Ont, Aug. 10, 16; m. 48. ECONOMICS. B.A. McMaster, 38; M.A. Toronto, 43, Ph.D. (econ), 52. Lectr. econ, Toronto, 45-48; PROF. BUS. ADMIN, Saskatchewan, 48-53; TORONTO, 53-, DIR. SCH. BUS, 60- Am. Econ. Asn; Can. Econ. Asn; Royal Econ. Soc. Business policy; entrepreneurship; finance. Publ: Canadian nickel industry. Address: 119 St. George St, Toronto 5, Ont, Can.
- MAINER, DR. ROBERT (EUGENE), Psychol, see 10th ed, Soc. & Behav. Vols.
- MAINORD, DR. WILLARD A(LWIN), b. Denver, Colo, Nov. 16, 17; div; c. 1. PSYCHOLOGY. B.S. Washington State Col, 50, M.A. 52; Ph.D. (psychol), Washington (Seattle), 56. Clin. psychologist, Vet. Admin. Hosp, American Lake, Wash, 56-61; chief training & ed, dept. psychol, East. State Hosp, Ft. Stielacoom, Wash, 61-62; Kankakee State Hosp, Ill, 63; asst. prof. PSYCHOL, LOUISVILLE, 63-66, ASSOC. PROF, 66- Consult, South. Ind. Ment. Health & Rehab. Center, 65-67; Women's Job Corp Center, W.Va, 66-67; W.Va. State Dept. Rehab, 67-; State Dept. Ment. Health, Ky, 67- U.S.A.A.F., 43-47, 1st Lt. Behavioral modification from a learning theory framework emphasizing social variables. Publ: Uses of symptoms and sources of discomfort, In: Morality and Mental Health, Rand McNally, 67; People at mid-point, In: Foundations of abnormal psychology, Holt, 68. Address: Dept. of Psychology, University of Louisville, Louisville, Ky. 40208.
- MAIOLO, DR. JOHN RAYMOND, b. Williamsport, Pa, June 19, 38; m. 63; c. 1. SOCIOLOGY. B.A. Lycoming Col, 60; M.A. Pa. State, 63, Ph.D. (sociol), 65. Res. asst. SOCIOL, Pa. State, 65, instr, 65-66; ASST. PROF, NOTRE DAME, 66- Sperry & Hutchinson Found. lectr. grant, 67-68; vis. lectr, spring seminar, Indiana Univ, 68. Field dir, Nat. Study Christian Family Movement, 68- Consult, Inter-University Consortium Study Voc. Rehab, 67- Sociol. Asn. Industrial sociology; sociology of the economy of developing nations; complex organizations. Publ: Highways and communities, Pa. State Univ, 66; co-auth, Structured strain in a social movement, In: Catholics U.S.A., Wiley, 68 & Surgery for sociology, Am. Sociologist, 68. Address: Dept. of Sociology, University of Notre Dame, Notre Dame, Ind. 46556.
- MAIR, PROF. GEORGE F(ISK), b. New York, N.Y., July 22, 22; m. 47; c. 2. ECONOMICS, SOCIOLOGY. A.B. Princeton, 43, A.M. 48, Milbank fel, 48-50, Ph.D. 57. Statist. asst. Soc. Sci. Res. Coun, 48; res. fel. off. pop. res, Princeton, 48-50, instr. econ. & sociol, 50-53; asst. prof. ECON, SMITH COL, 53-58, assoc. prof, 58-62, PROF, 62-, ASST. TO PRES, 66- Staff assoc, demog. div, Pop. Coun, 61-62; vis. lectr, Massachusetts, 64; vis. prof, California, Berkeley, 65-66. Consult. ed, Eugenics Quart, 58-60; consult, Gen. Elec. Co, 57. U.S.A., 43-46. Econ. Asn; Sociol. Asn; Statist. Asn;
- Pop. Asn; Int. Union Sci. Study Pop. Demography; comparative economics. Publ: Ed, Studies in population; auth, Projection of national populations; Forms of training for demographic research and teaching, Proc. World Pop. Conf. Address: 57 Washington Ave, Northampton, Mass. 01060.
- MAISEL, DR. HERBERT, Math, see 11th ed, Phys. & Biol. Vols.
- MAISEL, DR. SHERMAN J, b. Buffalo, N.Y., July 8, 18; m. 42; c. 2. ECONOMIC. A.B. Harvard, 39, M.P.A. 47, A.M. 48, Ph.D. 49. Economist, bd. gov, Fed. Reserve Syst, 39-40; reparations delegation, U.S. Dept. State, 45-46; from asst. prof. to prof. bus. admin, California, Berkeley, 48-65; MEM. BD. GOV. FED. RESERVE SYST, 65- Mem, nat. bd. adv. Nat. Asn. Retarded Children, 66- U.S.A., 40-45, Capt. Econ. Asn; Statist. Asn; Economet. Soc. Business cycles and forecasting; housing economics; monetary policy and banking. Publ: Fluctuations, growth, and forecasting; Housebuilding in transition; Financing real estate, McGraw, 65. Address: Board of Governors, Federal Reserve System, Washington, D.C. 20551.
- MAIZE, DR. RAY C, b. Vestaburg, Pa, Aug. 13, 16; m. 42. PSYCHOLOGY. B.A. Pittsburgh, 38, M.A. 40; Ph.D. (psychol), Purdue, 52. Instr. Eng, Purdue, 46-50; ed. specialist commun, AIR UNIV, 50-54, mgt. & admin, 54-57, ASST. TO COMMANDANT, AIR WAR COL, 57- Prof. lectr, George Washington Univ. Center, Maxwell Air Force Base, Ala, 63-65. U.S.A., 42-46; U.S.A.F.R., 46-67, Lt. Col. Educational psychology; education; management; personnel administration. Publ: Guide for Air Force writing, U.S. Air Force Manual, 52. Address: U.S. Air Force University, Air War College, Maxwell Air Force Base, Ala. 36112.
- MAIZLISH, DR. I(SRAEL) LEON, b. Poland, Dec. 5, 05; m. 42; c. 2. CLINICAL PSYCHOLOGY. B.S. Pittsburgh, 33, M.A. 34; Minnesota, 37-38; Syracuse, 39-40; Ph.D. Chicago, 56. Clin. psychologist, Juvenile Court & Bd. Pub. Welfare, Ariz, 36-37; asst. adolescents, gen. col. Minnesota, 37-38; clin. psychologist, diag. depot, State Penitentiary, Ill, 40-45; counsr, Wilson Jr. Col, 46; clin. psychologist, Vet. Admin. Ment. Hyg. Clin, Ill, 46-51; chief clin. psychologist, Flint Child Guid. Clin, Mich. Dept. Ment. Health, 51-64; Flint Ment. Health Clin, 64-67; DIR. TRAINING, GENESEE COUNTY COMMUNITY MENT. HEALTH SERV. BD, 67- Consult, psychol. clin, Mich. State, 59-66. Dipl. Am. Bd. Exam. Prinl. Psychol, 50. Psychol. Asn; Acad. Psychother. Prediction of verbal behavior in psychotherapy on the basis of projective techniques. Publ: Group psychotherapy of husband-wife couples in a child guidance clinic, Group Psychother; Attitude changes of husbands and wives in time-limited group psychotherapy, Psychiat. Quart; Games in marital group psychotherapy, Voices. Address: 2962 Barth St, Flint, Mich. 48504.
- MAJESTY, LT. COL. MELVIN S(DNEY), U.S.A.F., b. New Orleans, La, June 6, 28; m. 55. PSYCHOLOGY. B.A. La. State, 49; M.S. Western Reserve, 51, Ph.D. (psychol), 67. U.S. AIR FORCE, 50-, res. assoc. psychol, personnel res. inst, 50-51, dep. chief personnel testing, hq. strategic air command, 51-52, asst. proj. officer, human resources res. center, 52-53, coordinator res. & develop, personnel & training res. center, 53-58, proj. officer, human factors, hq. ballistic missile div, 58-60, test officer, hq. ballistic systs, div, 60-64, behav. scientist, Air Force Inst. Tech, 65-67, RES. PSYCHOLOGIST, AEROSPACE MED. RES. LAB, 67- U.S.A., 46-47; U.S.A.F., 51-, Lt. Col; Air Force Commendation Medal, 64. Psychol. Asn; Ed. Res. Asn; Human Factors Soc; Inst. Aeronaut. & Astronaut; Soc. Automotive Eng; Electronic Indus. Asn. Application of psychological methods and techniques; student and vocational counseling; programed learning and computer assisted instruction; training; prediction studies; test and evaluation; motivation; tactical sense; bio-electrical control technology. Publ: Personnel subsystem testing for ballistic missile and space systems, U.S. Air Force, 60; Identification of race, sex and religion through life history, Western Reserve, 67; Research proposals for personnel subsystem state-of-the-art advancement in ballistic and space system development, 62. Address: 430 Faculty Dr, Fairborn, Ohio 45324.
- MAK, WILLIAM K, b. Canton, China, Mar. 14, 21; nat; m. 51; c. 1. ECONOMICS, BUSINESS ADMINISTRATION. B.A. Sun Yat Sen Univ, China, 43; M.A. N.Y. Univ, 53. Prin, high sch, China, 44-45; ed, Kai Ming News Agency, 45-46; prog. producer radio broadcasts, U.S. INFO. AGENCY, 55-65, ED. NEWS, 65- Econ. Asn. Corporation finance; management and business success. Publ: Economic measures of Wang An Shih, Chinese reformist in the eleventh century. Address: 10707 Meadowhill Rd, Silver Spring, Md. 20901.
- MAKI, PROF. JOHN M(CILVREY), b. Tacoma, Wash, Nov. 19, 09; m. 36; c. 2. POLITICAL SCIENCE. B.A. Washington (Seattle), 32, M.A. 36; Rockefeller fells, Harvard, 46-48, Ph.D. (govt), 48. Asst. prof. Japanese govt. & polit, Washington (Seattle), 48-51, assoc. prof, 51-56, PROF, 56-66; GOVT, MASSACHUSETTS, 66-, V.DEAN ARTS & SCI, 67-, chmn. prog. Asian studies, 66-67. Polit. Sci. Asn; Asn. Asian Studies. Japanese government and politics; Far Eastern international relations. Publ: Japanese militarism, its cause and cure; Government and politics in Japan, the road to democracy; Court and constitution in Japan: selected Supreme Court decisions 1948-1960, Univ. Washington, 64. Address: 44 Hitching Post Rd, Amherst, Mass. 01002.
- MAKI, PROF. WILBUR R(ICHARD), b. Wakefield, Mich, Mar. 1, 24; m. 54; c. 4. ECONOMICS DEVELOPMENT. B.A. Michigan, 48; M.A. 49; M.S. Iowa State, 54, Ph.D. (econ), 56. Agr. economist, U.S. Reclamation Serv, 50-53; asst. agr. econ, Iowa State, 53-56, asst. prof. econ, 56-59, assoc. prof, 59-62, prof, 62-68, PROF. AGR. ECON. & RES. COORDINATOR RESOURCE & COMMUNITY DEVELOP, MINNESOTA, ST. PAUL, 68- Swift & Co. summer fel, 61. Econ. consult. transportation & river basin planning, U.S. Corps Engrs, Kansas City Dist, Mo, 65-68; econ. consult, Pac. Northwest Forest & Range Exp. Sta, U.S. Forest Serv, 67-68; Exp. City Proj, Minnesota, 67-68. U.S.A.A.F., 43-46, 2nd Lt. Econ. Asn; Agr. Econ. Asn; Statist. Asn. Location economics; regional economic growth and development; economic forecasting for long range business planning. Publ: Co-auth, Recursive economic systems in rural-economic development, J. Farm Econ, 5/64; Evaluation of alternative market organizations in a simulated livestock-meat economy, 65 & Simulation of regional product and income with empha-

sis on Iowa, 1954-1974, 66, Iowa Agr. & Home Econ. Exp. Sta. Res. Bull. Address: 1518 Berne Rd, Minneapolis, Minn. 55421.

MAKIELSKI, DR. STANISLAW J. JR, b. Charlottesville, Va, Feb. 8, 35; m. 63. POLITICAL SCIENCE. B.A. Virginia, 60; Ph.D.(polit. sci), Columbia, 65. ASST. PROF. GOVT. & FOR. AFFAIRS & RES. ASSOC. INST. GOVT. VIRGINIA, 64- Consult, Va. Metropolitan Areas Study Cmn, 66-67. U.S.A. 55-57, Res, 57-60, Sgt. Acad. Polit. & Soc. Sci. Polit. Sci. Asn; Acad. Polit. Sci. Urban and metropolitan problems; public administration; state and local government. Publ: Politics of zoning, Columbia, 66; co-auth, Special district government in Virginia, Inst. Govt, Univ. Virginia, 67; auth, Pre-conditions to effective public administration, Pub. Admin. Rev, 67. Address: Dept. of Government & Foreign Affairs, University of Virginia, Charlottesville, Va. 22903.

MAKOUS, DR. WALTER LEON, b. Milwaukee, Wis, Nov. 22, 34; m. 58; c. 3. PSYCHOLOGY. B.S, Wisconsin, 58, Wisconsin Alumni Res. Found. fel, 58-59; Nat. Sci. Found. fel, Brown, 59-62, M.Sc, 61, Ph.D.(psychol), 64. Mem. staff, behav. sci. res. center, Int. Bus. Mach. Corp, 63-66; ASST. PROF. PSYCHOL, WASHINGTON (SEATTLE), 66- U.S.N.R, 53-55. AAAS; Psychol. Asn; Optical Soc. Am. Processes of dark adaptation in horseshoe crab, rat and man as reflected in single unit, electroretinographic and psychophysical measurements; neural control of blood glucose levels; biological effects of lasers. Publ: Cutaneous color sensitivity: explanation and demonstration, Psychol. Rev, 66; A transient Stiles-Crawford effect, Vision Res, 68; co-auth, Lasers and vision: the effects of lasers on the human eye, Int. Bus. Mach. Corp. J. Res. & Develop, 68. Address: Dept. of Psychology, University of Washington, Seattle, Wash. 98105.

MAKRES, DR. THOMAS P(ETER), b. Athens, Greece, Dec. 23, 26; U.S. citizen; m. 53; c. 3. CLINICAL PSYCHOLOGY, SPEECH PATHOLOGY. B.A, Syracuse, 50, M.A. 51; Ph.D, Vanderbilt, 61. Instr. speech & hearing rehab, sch. med. & speech therapist, Wilkerson Hearing & Speech Center, Vanderbilt, 52-55, instr. audiol. & psychologist, 57-58; trainee clin. psychol, Nashville & Murfreesboro Vet. Admin. Hosps, Tenn, 55-57; SUPV. CLIN. PSYCHOLOGIST, BROOME COUNTY MENT. HEALTH CLIN, 58- Instr, grad. exten. div, Ithaca Col, 68- Private practice, 60-; psychol. consult, Bd. Coop. Ed. Serv. Classes for Emotionally & Perceptually Handicapped. Summers, speech therapist, residential sch. for children with speech & hearing probs, Syracuse, 51, supv. coordinator, 52. U.S.A.A.F, 46-47, Sgt. Psychol. Asn; Speech & Hearing Asn. Nature and causes of stuttering; evaluation of effects of psychotherapy; learning disorders; pathologies of speech; nature of mental disorders. Publ: Text of Spence-Taylor hypotheses on learning and drive, Dissertation Abstracts. Address: 401 Jensen Rd, Vestal, N.Y. 13850.

MALACH, PROF. V(ERNON) W(ALTER), Econ, see 10th ed, Soc. & Behav. Vols.

MALAN, PROF. VERNON D(UANE), Sociol, see 10th ed, Soc. & Behav. Vols, deceased 67.

MALANOS, PROF. GEORGE J(OHN), Econ, see 10th ed, Soc. & Behav. Vols.

MALCOLM, DR. DONALD J(ACK), Ed. Psychol, see 10th ed, Soc. & Behav. Vols.

MALCOM, DR. EDWARD V(ARTAN), b. New York, N.Y, July 18, 14; m. 49. PSYCHOLOGY. A.B, Harvard, 35, Ed.M, 40; Ph.D.(clin. psychol), Michigan, 52. Psychol. intern. Vet. Admin, 46-51; psychologist, U.S. Govt, 51-61; STAFF CLIN. PSYCHOLOGIST, VET. ADMIN. CENTER, 61- Instr, continuing ed. div, Univ. Maine, 63-, consult, grad. psychol. dept, 65- Consult, Pineland Hosp. & Training Center, Maine, 61-; Kennebec Ment. Health Clin, Augusta, Maine, 66- U.S.A, 40-46. AAAS; Psychol. Asn; Acad. Psychother; Acad. Relig. & Ment. Health. Personality evaluation; projective techniques; short term and group psychotherapy; personality study and psychotherapy on alcoholism, 1963-1968. Publ: Treatment of alcoholics at Veterans Administration Center, Togus, Maine, Maine Med. J, 7-64 & 66. Address: 21 School St, Augusta, Maine 04330.

MALCUI, DR. STANLEY VINCENT, b. Orrville, Ohio, Feb. 1, 22. ECONOMICS. B.A, Wittenberg Col, 43; M.Litt, Pittsburgh, 57, Ph.D.(econ), 65. Writer, pub. rels. dept, ALUMINUM CO. AM, 43-47, coordinator & dir. tech. publicity, 47-49, head indust. econ. sect, 49-61, staff economist, 61-62, CHIEF ECONOMIST, 62- Econ. Asn; Statist. Asn; Economet. Soc; Asn. Bus. Econ. Pricing; competition; demand analysis; forecasting; labor; foreign trade. Publ: Aluminum industry; co-auth, European markets and business, J. Mkt. Address: Aluminum Co. of America, 1501 Alcoa Bldg, Pittsburgh, Pa. 15219.

MALDE, HAROLD E(DWIN), Geol, see 11th ed, Phys. & Biol. Vols.

MALEK, DR. ZENA B(ELLA), b. Chicago, Ill, Nov. 12, 28; m. 49. CLINICAL PSYCHOLOGY. B.A, Roosevelt, 50; Loyola (Ill), 50-52; Nat. Inst. Ment. Health fel, Southern California, 59-60; Ph.D, 60. Psychiat. soc. worker, State Ment. Health Center, Ill, 50-52; asst. psychol, Southern California, 55-56; intern psychol, Reiss-Davis Clin. Child Guid, 56-57; Los Angeles Psychiat. Serv, 57-58; clin. psychologist, Ed. Guid. Center, 58-64; Rancho Los Amigos Hosp, Downey, 58-64; CLIN. PSYCHOLOGIST, 64- AAAS; Psychol. Asn. Psychodiagnostic testing; individual and group psychotherapy; child psychology; geriatrics and gerontology. Publ: Co-auth, Hospital adjustment scale for chronic disease patients, J. Clin. Psychol. Address: 3650 S. Bentley Ave, Los Angeles, Calif. 90034.

MALENBAUM, PROF. WILFRED, b. Boston, Mass, Jan. 26, 13; m. 50, 67; c. 5. ECONOMICS. A.B, Harvard, 34, A.M, 35, Rogers traveling fel, 37-38, Ph.D, 41; London Sch. Econ, 37; Inst. Econ, Oslo, Norway, 38. Instr. econ, Harvard, 38-41; chief food & agr. sect, Off. Strategic Serv, 41-45; div. int. & functional intel, U.S. Dept. State, 46-48, div. investment & econ. develop, 48-53; prof. econ. & dir. India Proj, Mass. Inst. Tech, 53-59; PROF. ECON, PENNSYLVANIA, 59- Summer prof, Sidasien Inst, Univ. Heidelberg, 66. Tech. specialist, UNRRA Conf, N.J, 43; mem, U.S. Combined Working Party,

Eng, Algiers & Italy, 44-45. Consult, Food & Agr. Admin, 46; adv, U.S. del. Econ. & Soc. Coun, UN, 48-50; Econ. Cmn, Latin Am, 51; U.S. Dept. State & Pan-Am. Union; Govt. of India, 63-64. U.S. del, London Conf. Food & Agr. Statist, 45; U.S. rep, Colombo Plan Conf, Pakistan, 52; U.S. del, SEATO, Philippines, 60. Wells prize, 43. Econ. Asn; Asia Soc; Asn. Asian Studies; Soc. Int. Develop. Commodity studies; Indian economic growth; process of rural change in poor countries; community health and economic growth. Publ: World wheat economy, 1885-1939; East and west in India's development; Prospects for Indian development. Address: Dept. of Economics, Wharton School, University of Pennsylvania, Philadelphia, Pa. 19104.

MALEY, DR. ROGER F(REDRICK), b. York, Nebr, Dec. 15, 39; m. 59; c. 3. PSYCHOLOGY. B.A, Nebraska, 62, Ph.D.(psychol), 67. INSTR. MED. PSYCHOL, MISSOURI, 67- U.S.A.R, 57-65. Psychol. Asn. Learning theory; group psychotherapy; objective personality testing. Publ: Co-auth, Differences between guidance counselors who accept and reject psychological consultation, Psychol. Reports, Vol. 21, 3 & Prediction of suicide in a psychiatric hospital, J. Gen. Psychol, (in press). Address: Dept. of Psychiatry, University of Missouri Medical Center, Columbia, Mo. 65201.

MALI, DR. K(ULDIP) SINGH, b. Rangoon, Burma, Dec. 10, 19; U.S. citizen; m. 43; c. 2. ECONOMICS, INTERNATIONAL RELATIONS. B.A, Panjab, India, 40, M.A, 44; B.A, Rangoon, 41; Ford. Found. fel, Indiana, 58-60, Ph.D. (econ), 60. Asst. lectr. ECON, Rangoon, 53-60, lectr, 60-62; ASSOC. PROF. Wichita State, 63-64; MacMurray Col, 64-66; NEBRASKA, OMAHA, 66- Fulbright & Smith Mundt adv. res. fel, 57-58. Mem. hwy. cmt, Govt. Union Burma, 61-62. Econ. Asn. Micro and macro economic theory; economic development; monetary theory; international trade; econometrics; economic systems. Publ: Fiscal aspects of development planning in Burma after independence, Rangoon Univ, 62; Government expenditures and inflationary impact in Burma, 1950-59, J. Burma Res. Soc, 62. Address: Dept. of Economics, University of Nebraska at Omaha, Omaha, Nebr. 68101.

MALICK, PROF. C(LAY) P(ACKER), Polit. Sci, see 10th ed, Soc. & Behav. Vols, deceased 65.

MALICKY, DR. NEAL, b. Sour Lake, Tex, Sept. 14, 34; m. 56; c. 3. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A, Baker, 56; B.D, Southern Methodist, 59; Ph.D.(int. rels), Columbia, 68. Minister, Methodist Church, Kans, 59-62; Van Cortlandville Church, 62-66; ASST. PROF. POLIT. SCI. & DIR. SEMESTER ON UN, DREW, 66- Polit. Sci. Asn. Non-governmental organizations and the United Nations. Publ: To keep the peace, Gen. Bd. Christian Soc. Concerns, Methodist Church, 65. Address: Dept. of Political Science, Drew University, Madison, N.J. 07940.

MALLET, PROF. LEONARD D(ALE), b. Zeoring, Iowa, Oct. 19, 18. ECONOMICS. Fel, Illinois, 54, Ph.D.(econ), 55. Asst. prof. ECON, Morningside Col, 48-50; Iowa State Col, 52-53; from asst. prof. to PROF, DETROIT, 55- U.S.A, 41-45. Econ. Asn; Finance Asn. Taxation, federal, state and local; monetary theory and policy. Address: Dept. of Economics, College of Commerce, University of Detroit, Detroit, Mich. 48221.

MALIK, DR. HAFEEZ, b. Lahore, Pakistan, Mar. 17, 30; m. 56; c. 1. POLITICAL SCIENCE. B.A, Govt. Col, Lahore, Pakistan, 49; dipl. jour, Punjab, India, 52; M.S, Syracuse, 55, M.A, 57, Ph.D.(polit. sci), 61. News ed, Maghrabi Pakistan, 48-50; pub. rels. officer, City Govt. Lahore, 51-53; White House correspondent, Nawa-i-Waqf & Shahbaz, Pakistan, D.C, 58-61; asst. prof. POLIT. SCI, VILLANOVA, 61-63, assoc. prof, 63-68, PROF, 68- Tech. ed, Meteorol. & Geostrophys. Abstracts, D.C, 59-64; vis. prof. for. serv. inst, U.S. State Dept, 61-63 & 66; summer vis. assoc. prof. int. rels, Maxwell Grad. Sch. Citizenship & Pub. Affairs, Syracuse, 64-65; mem. faculty seminar, Columbia, 65- Asn. Asian Studies; Political Sci. Asn; Hist. Asn. Publ: Moslem nationalism in India and Pakistan, Pub. Affairs, 63; Shah Waliullah and the Muslim renaissance in India, 1803-1762, Brill, Leiden, 68; Iqbal's poetry: social and political themes, Columbia, 68. Address: Dept. of Political Science, Villanova University, Villanova, Pa. 19085.

MALIKIN, DR. DAVID, b. New York, N.Y, July 17, 13; m. 36; c. 1. PSYCHOLOGY. B.S, City Col. New York, 53, M.S, 56; fel, N.Y. Univ, 60-61, Ph.D. (guid), 61. Counsr, Hunter Col, 59-61; asst. prof. ed. & coordinator grad. guid. & sch. psychol. progs, Long Island, 61-62; ASSOC. PROF. REHAB. CONSULTING, N.Y. UNIV, 62- Lectr, Brooklyn Col, 66- Voc. Counsr, State Fedn. Employ. & Guid. Serv, 56-61, coordinator, 62-; psychologist, Halcyon Rest Hosp, 56-; voc. consult, hearing & appeals bd, Soc. Security Agency, 63- Psychol. Asn; Personnel & Guid. Asn. Reality of self concept as a factor in rehabilitation; effect of special guidance programs on the performance of engineering freshmen. Publ: Relationship between vocational self-perception and the rehabilitation of older, disabled men. Address: 40 Walker Ave, Rye, N.Y. 10580.

MALIN, PROF. JAMES C(LAUDE), Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MALIN, MAX, Law, Econ, see 10th ed, Soc. & Behav. Vols, deceased 65.

MALINOWSKI, PROF. ZENON S(TANLEY), b. Turners Falls, Mass, June 13, 18; m. 49; c. 2. MARKETING, STATISTICS. B.A, Yale, 39; M.B.A, Chicago, 48, Ph.D.(statist), 56. Instr. statist, CONNECTICUT, 49, prof. mkt. & head dept, 60-64, PROF. BUS. ADMIN. & HEAD DEPT, 64-, COORDINATOR MASTER OF BUS. ADMIN. PROG, 61- Small Bus. Admin. res. grant, 59-60. Consult, Joel Dean Assocs, 54-55. U.S.A, 42-45, Capt. Statist. Asn; Mkt. Asn. Marketing research; plant location and special problems of small manufacturers, including their place in industrial parks. Publ: Co-auth, Impact of dislocation from urban renewal areas on small business, Use of external assistance by small manufacturers & Personal factors influencing small manufacturing plant locations. Address: University of Connecticut School of Business Administration, Storrs, Conn. 06268.

MALITZ, DR. SIDNEY, Psychiat, see 11th ed, Phys. & Biol. Vols.

- MALKIEL, DR. BURTON GORDON, b. Boston, Mass, Aug. 28, 32; m. 54. ECONOMICS. B.A. Harvard, 53, M.B.A. 55; Ph.D. Princeton, 64. Assoc. Smith, Barney & Co, 58-60; asst. prof. ECON, PRINCETON, 64-66, assoc. prof. 66-68, PROF. 68- Consult, Mathematica, Inc, 62-67. Finance C, U.S.A., 55-58, 1st Lt. Econ. Asn; Finance Asn. Finance; money and banking. Publ: Co-auth, International monetary arrangements: the problem of choice, 64 & auth, The term structure of interest rates, 66, Princeton. Address: Dept. of Economics, Princeton University, Princeton, N.J. 08540.
- MALLAN, DR. JOHN P(OWERS), b. Cambridge, Mass, Dec. 20, 22. GOVERNMENT. B.S. New Hampshire, 42; M.A. Chicago, 48; fel. Harvard, 52-55, Ph.D.(govt), 64. Instr. soc. sci, Boston, 48-50; asst. prof. govt, Simmons Col, 50-51; teaching fel, Harvard, 52-55; instr, Smith Col, 55-57; dir, Mass. Audit State Needs, 57-60; asst. prof. govt, Smith Col, 60-65; DIR. GOVT. RELS, AM. ASN. JR. COLS, 65- Mem. two Mass. state bds. higher ed. & staff dir. spec. cmn; mem, Mass. State Bd. Community Cols, 60-65; Northampton, Mass. Sch. Cmt, 62-63; mem. & secy, Mass. Higher Ed. Facilities Cmn, 64-65. U.S.A., 44-46. Polit. Sci. Asn; Soc. Pub. Admin. Federal and state government and higher education. Publ: The warrior critique of the business civilization, Am. Quart; co-auth, The tax that beat a governor, In: The uses of power. Address: American Association of Junior Colleges, 1315 16th St. N.W., Washington, D.C. 20036.
- MALLARS, DR. PATRICIA BAKER, b. Oakland, Calif, June 19, 27; m. 52. EDUCATIONAL & COUNSELING PSYCHOLOGY. A.B. California, Berkeley, 48; M.A. San Francisco State Col, 59; fel. Univ. of the Pacific, 62-65, Ed.D. (ed. & counseling psychol), 65. Teacher, elem. schs, Calif, 48-61; PSYCHOLOGIST, STOCKTON UNIFIED SCH. DIST, 65- Lectr, Univ. of the Pacific, 67, summers, 65-67. Psychol. consult, Nat. Defense Ed. Act-Elem. & Sec. Ed. Act. proj., Stockton Unified Sch. Dist, 67- Psychol. Asn; Personnel & Guid. Asn. Counselor education; group counseling and guidance; projective psychology. Publ: Reactions to music and art among retarded and superior students, The Pointer, Vol. 10, No. 3; Thinking about group counseling for parents, Sch. Couns., 5/68; Team counseling in counselor education, Personnel & Guid. J, 6/68. Address: 5931 Glen St, Stockton, Calif. 95207.
- MALLEN, PROF. BRUCE, b. Montreal, Que, Sept. 4, 37; m. 65. ECONOMICS, MARKETING. B.Commerce & B.A. Sir George Williams, 58, M.S. Columbia, 59; M.B.A. Michigan, 60; Ph.D.(econ. & mkt), N.Y. Univ, 63. Lectr. econ, SIR GEORGE WILLIAMS, 62-65, assoc. prof. MKT, 65-67, PROF. 67-, CHMN. DEPT, 65- Sr. consult, P.S. Ross & Partners, 61-64; pres, Bruce Mallen & Assocs, Inc, 64- Ed-in-chief, Marketer, Mkt. Asn. Can, 64- Mkt. Asn; Econ. Asn. Marketing channel and distribution analysis; business conditions analysis; marketing in Canada. Publ: Co-auth, Marketing: Canada, McGraw, 64, Annotated bibliography on marketing in Canada, Am. Mkt. Asn, 67 & The marketing channel, Wiley, 67. Address: Dept. of Marketing, Sir George Williams University, 1435 Drummond St, Montreal 25, Que, Can.
- MALLER, DR. OWEN, Psychobiol, see 11th ed, Phys. & Biol. Vols.
- MALLET, DR. JOHN J(ACQUES), b. Bucharest, Romania, Dec. 21, 27; m. 55; c. 3. PSYCHOLOGY. B.A. Oberlin Col, 51; Ph.D.(clin. psychol), Duke, 56. Psychologist, Vet. Admin. Hosp, Pittsburgh, Pa, 55-56, Roanoke, Va, 56-57; DIR, ATLANTA CONSULT. PSYCHOLOGISTS GROUP, 62- Part-time asst. prof, Ogelthorpe, 63-64; vis. lectr, Emory, 64-65; training officer, Ghana Proj, Peace Corps, 65; VISTA, 66-67; faculty mem. & consult, Interdenominational Theol. Center, Atlanta, Ga, 67- Private practice, 57-; consult, Atlanta Asn. Retarded Children, 65-66. U.S.A., 46-47. Psychol. Asn; Acad. Psychother. Psychotherapy and psychoanalysis; professional problems in psychology. Publ: Report of the Georgia Psychological Association Ad Hoc Committee, Insurance and Related Social Issues, Ga. Psychologist, 17: 8-17. Address: Strickler South Doctors Bldg, 1285 Peachtree St. N.E., Atlanta, Ga. 30309.
- MALLET, DR. DONALD ROGER, b. Guthrie Center, Iowa, July 23, 10; m. 36; c. 3. PSYCHOLOGY. B.A. Drake, 31; M.A. Iowa, 34, Ph.D.(psychol), 36. Mgr. housing serv, Iowa, 36-39, asst. dean men, 39-41, assoc. dir. student affairs, 41-45; asst. dir, PURDUE, 45-50, assoc. dir, 50-51, dean men, 51-56, EXEC. DEAN, 56-, V.PRES, 61- Social growth and educational adjustment at college level; statistical analysis of objective tests; effect of living accommodations upon achievement at the college level. Address: Executive Bldg, Purdue University, West Lafayette, Ind. 47907.
- MALLICK, DR. SHAHBAZ KHAN, b. Campbellpur, Pakistan, Nov. 2, 34; m. 56; c. 5. PSYCHOLOGY, EDUCATION. B.A. Panjab, Pakistan, 58, B.Ed, 59, M.Ed, 61; Ph.D.(ed. psychol), Indiana, 64. Teacher, high schs, Pakistan, 56-58, 59-60; lectr. ed. psychol, Panjab, Pakistan, 64-66; ASST. PROF, Purdue, 66-67; CHILD DEVELOP, VASSAR COL, 67- Psychol. Asn; Ed. Res. Asn. Catharsis of hostility. Publ: Cathartic value of interpolated aggressive activities, 65 & Catharsis and hostility: a new theoretical approach, 66, Bull. Ed. & Res; co-auth, A study of catharsis of aggression, J. Personality & Soc. Psychol, 66. Address: Dept. of Psychology, Vassar College, Poughkeepsie, N.Y. 12601.
- MALLIOS, DR. WILLIAM S(TEVE), b. Lafayette, Ind, Aug. 21, 35. STATISTICS, MATHEMATICS. B.S. Purdue, 57; M.S. N.C. State Col, 59, Ph.D.(exp. statist), 62. Asst. statistician, Bell Tel. Labs, 57; asst. statist, N.C. State Col, 57-58, 60-61; asst. health serv. officer, U.S. Pub. Health Serv, 58-60; sr. scientist, BOOZ-ALLEN APPL. RES. INC, 62-65, PRIN. SCIENTIST, 65- Statist. Asn; Inst. Math. Statist. Development and application of statistics in the biological sciences. Publ: Some aspects of linear regression systems. Address: Booz-Allen Applied Research, Inc, 6151 W. Century Blvd, Los Angeles, Calif. 90045.
- MALLORY, PROF. EDITH BRANDT, b. Philadelphia, Pa, Nov. 28, 01; m. 25; c. 2. PSYCHOLOGY. B.A. Wellesley Col, 23; M.A. Columbia, 24, Ph.D. (psychol), 25. Asst. PSYCHOL, WELLESLEY COL, 27-28, instr, 28-33, asst. prof, 33-41, assoc. prof, 41-58, prof, 58-64, chmn. dept, 54-63, EMER. PROF. 64- Lectr, Brown, 43-45. AAS; Psychol. Asn. Memory; voice cues to personality; attitude changes. Publ: Voice characteristics and personality traits; Wellesley spelling test; Memory for simple sensory experiences. Address: Plymouth Harbor, Sarasota, Fla. 33577.
- MALLORY, PROF. J(AMES) R(USSELL), b. St. Andrews, N.B. Feb. 5, 16. POLITICAL SCIENCE. B.A. New Brunswick, 37; LL.B. Edinburgh, 40; M.A. Dalhousie, 41; Nuffield Found. traveling fel, 53-54. Instr. polit. sci, Saskatchewan, 41-43; lectr. polit. economy, Toronto, 43-44; asst. prof, Brandon Col, 44-46; polit. sci, MCGILL, 46-48, assoc. prof, 48-59, PROF. ECON. & POLIT. SCI. & CHMN. DEPT, 59- Can. Econ. Asn; Can. Hist. Asn; Royal Soc. Can. Canadian federalism; parliamentary constitutionalism. Publ: Social credit and the federal power in Canada; Delegated legislation in Canada, Can. J. Econ. & Polit. Sci; Cabinet government in Canada, Polit. Studies. Address: Dept. of Economics & Political Science, Stephen Leacock Bldg, McGill University, Montreal 2, Que, Can.
- MALLORY, WALTER HAMPTON, b. Newburg, N.Y., July 27, 92; m. 19; c. 1. POLITICAL SCIENCE. Columbia. Spec. asst. to Am. Ambassador to Russia, 15-16; exec. secy, China Int. Famine Relief Cmn, China, 22-26; spec. lectr, Columbia, 26; exec. dir, COUN. ON FOR. RELS, 27-59, DIR, 45- Mem. vis. cmt, Dept. Far East. Civilization, Harvard; dir, Asia Found; Coun. For. Rels; China Inst. Am. pres, 39-46. U.S. minister, Allied Mission to Observ. Elections, Greece, 47. U.S.A., 17-19, Lt. Geog. Soc; Acad. Polit. Sci; Acad. Polit. & Soc. Sci. Far East; Southeast Asia; American foreign policy. Publ: China, land of famine; ed, Political handbook and atlas of the world, annual. Address: 58 E. 68th St, New York, N.Y. 10021.
- MALLOY, DR. JOHN P(ATRICK), b. Beatrice, Nebr, Mar. 13, 23. EDUCATIONAL PSYCHOLOGY. B.S. Creighton, 47, M.A. 50; Ph.D.(ed. psychol. & measurement), Nebraska, 53. Assoc. dir. guid. center, Marquette, 53-54, dir, 54-55, asst. prof, 55-56, lectr. psychol. & consult, 56-59; assoc. prof. mgt, 59-64; PRES. MOD. MACH. WORKS, 64- Pres, John P. Malloy & Assocs, 59- U.S.A., 43-46. Psychol. Asn. Statistics; research methodology; tests and measurements. Publ: Prediction of college achievement with the life experience inventory, Ed. & Psychol. Measurement; Technique for keying items of an inventory to be added to an existing test battery, J. Appl. Psychol; Computerizing the manufacturing cost system in a small production shop, Comput. & Automation, 7/67. Address: Route 2, Box 103, Pewaukee, Wis. 53072.
- MALLOY, DR. THOMAS A, JR, b. Newton, Mass, Feb. 26, 13; m. 42; c. 2. SOCIOLOGY, CULTURAL ANTHROPOLOGY. A.B. Virginia, 47, Ed.D.(soc. sci. ed), 59; M.A. Colgate, 49. Instr. hist. & soc. sci, Longwood Col, 49-51; Mass. State Teachers Col, Lowell, 51-54, asst. prof, 54-57; assoc. prof. sociol, Mass. State Teachers Col, Fitchburg, 57-61; prof. sociol. & dean curriculum, North. Essex Community Col, 61-64; PROF. SOCIOL. & ANTHROP, FERRIS STATE COL, 64-, dir, Off. Econ. Opportunity Upward Bound Proj, 68-70. Summers, vis. instr. & asst. prof, Univ. Virginia, 51, 53 & 54, participant, Nat. Sci. Found. Inst. Anthropol, Univ. Colorado, 68. U.S.N.R, 42-45. Orgn. Am. Hist; Sociol. Asn; Coun. Soc. Work Ed; Am. Studies Asn. American cultural history; social science and social work education curriculum development. Publ: Is Iran our problem, Vital Speeches, 8/51; What value emeritus membership, Am. Asn. Univ. Profs. Bull, 10/58. Address: Dept. of Social Science, Ferris State College, Big Rapids, Mich. 49307.
- MALLY, DR. GERHARD, b. Vienna, Austria, Apr. 12, 35; m. 64; c. 1. POLITICAL SCIENCE. LL.D. Vienna, 59; M.A. Pennsylvania, 61, fel, 60-64, Ph.D.(polit. sci), 64; cert, Centre International de Formation Européenne, 62. Asst. prof. German, St. Joseph's Col.(Pa), 62, instr. int. rela, Pa. Mil. Col, 62-63, lectr. European integration, Institut Européen des Hautes Etudes Internationales, Nice, France, 65-66; lectr. Atlantic rels, Int. Secretariat of NATO, Paris, France, 66; asst. prof. polit. sci, PMC Cols, 66-67; VIS. ASSOC. PROF. GOVT. & FOR. AFFAIRS, VIRGINIA, 68- Summer lectr, Collège Universitaire d'Etudes Federalistes, Aosta, Italy, 63-67; Wash. internship in ed. & spec. asst. to dep. asst. secy, personnel & training, U.S. Dept. Health, Ed. & Welfare, 67-68. Consult. & assoc. ed, Atlantic Studies, Atlantic Inst, Paris, 65-66; resource expert, Nat. Conf. Ed. Writers, 66; mem. ed. res. staff, Orbis, Pennsylvania, 67-68. Polit. Sci. Asn; Int. Studies Asn. Federalism; European integration; Atlantic community; international education; regionalism. Publ: International University Nice, Centre International de Formation Européenne, Paris, 65; The NATO parliamentarian's conference, 1960-1964, Int. Secretariat, NATO Parliamentarians Conf, Paris, 66; Britain and European unity, Hansard Soc, London, U.K, 68. Address: Woodrow Wilson Dept. of Government & Foreign Affairs, University of Virginia, Charlottesville, Va. 22901.
- MALM, PROF. F(INN) THEODORE, b. Santa Cruz, Calif, Nov. 2, 19; m. 43; c. 2. BUSINESS ADMINISTRATION. B.S. California, 41; fel, Mass. Inst. Tech, 42-43, Ph.D. 46. Instr. econ, Mass. Inst. Tech, 42-46; from instr. to ASSOC. PROF. BUS. ADMIN, CALIFORNIA, BERKELEY, 46-, res. fel. & asst. res. economist, inst. indust. rels, 47-55, asst. dean sch. bus. admin, 58-62, admissions officer for undergrad. students, 64-66. Vis. scholar, London Sch. Econ, fall 65. Asst. personnel analyst, Standard Oil Co, Calif, 48. Consult, European Prod. Agency, Orgn. European Econ. Coop, Paris, France, 56-57. Indust. Rels. Res. Asn; Econ. Asn; Brit. Inst. Personnel Mgt; Int. Univ. Contract for Mgt. Ed; Brit. Asn. Commercial & Indust. Ed. Personnel administration; industrial relations. Publ: Co-ed, Production organization and management, Calif. Book Co, 61; contrib, Chapters 8 & 9, In: Managing the independent business, Prentice-Hall, 62; co-ed, Management of human resources, McGraw, rev. ed, 69. Address: School of Business Administration, 350 Barrows Hall, University of California, Berkeley, Calif. 94720.
- MALM, PROF. WILLIAM P, Ethnomusicol, see 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- MALMGREN, PROF. HARALD B(ERNARD), b. Boston, Mass, July 13, 35; m. 59; c. 3. ECONOMICS. B.A. Yale, 57; Howland fel. from Yale, Oxford, 57-58, Soc. Sci. Res. Coun, fel, 58-60, D.Phil, 61. Justine S. Evans asst. prof. econ, Cornell, 61-62; head econ. group, Inst. Defense Anal, 62-64; sr. econ. adv. off. spec. rep. for trade negotiations, EXEC. OFF. OF PRESI-

DENT, 64-67, ASST. SPEC. REP. TRADE NEGOTIATIONS, 67- Lectr, econ. dept, Georgetown, 63-65; int. econ. sch. adv. int. studies, Hopkins, 65- Am. Econ. Assn; Inst. Strategic Studies; Royal Econ. Soc. Microeconomic theory; international trade; economic development. Publ: Congestion and idle capacity in an economy, Rev. Econ. Studies; Information, expectations and the theory of the firm, Quart. J. Econ; Balance, imbalance and external economics, Oxford Econ. Papers, 63. Address: Trade Negotiations, Executive Office of the President, Washington, D.C. 20506.

MALMO, DR. R(OBERT) B(EVERLEY), Psychol, see 11th ed, Phys. & Biol. Vols.

MALMQUIST, DR. CARL P, b. St. Paul, Minn, Mar. 10, 31; m. 56; c. 2. PSYCHIATRY, CHILD DEVELOPMENT. B.A., Minnesota, 52, M.D. 58, M.S. 61; Columbia, 61-62. Asst. prof. psychiat, med. sch, Michigan, 64-66; ASSOC. PROF. PSYCHOL. & CHILD DEVELOP, MINNESOTA, MINNEAPOLIS, 66-, ADJ. PROF. LAW SCH, 68- Chief psychiat. consult, Hennepin County Dist. Court, Minn. Soc. Res. Child Develop; Psychiat. Assn; Group Adv. Psychiat. Developmental psychopathology, especially acting out behavior and depressions. Publ: Comparison of orthodox and existential psychoanalytic concepts of anxiety, J. Nervous & Ment. Disease, 60; Problems of methodology and theory construction, Psychoanal. Rev, 63; Dilemmas of the juvenile court, J. Am. Acad. Child Psychiat, 67. Address: Institute of Child Development, University of Minnesota, Minneapolis, Minn. 55455.

MALMSTROM, DR. VINCENT H(ERSHEL), b. Evanston, Ill, Mar. 6, 26; m. 51; c. 2. GEOGRAPHY. A.B. Michigan, 47, M.A. 48, fel. 52-53, Ph.D. (geog.), 54; fel. Texas, 49-50; Fulbright grant, Oslo, 50-51, Soc. Sci. Res. Coun. fel. 51-52. Instr. GEOG. Mich. Col. Min. & Tech, 53-54; asst. prof. Bucknell, 55-56; Middlebury Col, 56-57; Minnesota, Duluth, 57-58; MIDDLEBURY COL, 58-64, ASSOC. PROF, 64- Vis. prof. Vermont, 59-62; Asn. Am. Geog. participating fel. Int. Geog. Cong. Sweden, 60. Mem. U.S. nat. cmt. Int. Geog. Union, 62-66. Asn. Am. Geog. Regional geography of Northern Europe; economic geography; climatology. Publ: Regional geography of Iceland; Norden: crossroads of destiny, Van Nostrand, 65; Norway, Sweden, and British Isles, In: Life in Europe. Address: Halpin Rd, R.D. 3, Middlebury, Vt. 05753.

MALONE, DR. DUMAS, Hist, Biography, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MALONE, PROF. JOHN ALPHONSE, b. Dec. 28, 20; Can. citizen. PSYCHOLOGY. Ph.D.(psychol), Fordham, 53. PROF. PSYCHOL, WINDSOR, 59- Can. Psychol. Assn. Social-psycholinguistics pragmatics. Address: Dept. of Psychology, University of Windsor, Windsor, Ont, Can.

MALONE, DR. JOHN R(AYMOND), b. Toledo, Ohio, Oct. 20, 20; m. 46; c. 6. MARKETING. Ph.B. Notre Dame, 42; M.B.A. Harvard, 46; Ph.D.(mkt), Chicago, 63. Mem. mkt. & prod. planning staffs, Owens-Corning Fiberglass Corp, 43-52; asst. prof. mkt. & bus. admin, NOTRE DAME, 52-56, assoc. prof. mkt, 56-65, ASSOC. DEAN GRAD. STUDY, COL. BUS. ADMIN, 66-, dir. foremanship develop. prog, 53-58, head dept. mkt, 54-63, asst. dean, col. bus. admin, 63-66. Spec. lectr, Toledo, 48-52; participant, found. & tools for ops. res. & mgt. sci. eng. summer conf, Univ. Michigan, 64. Mkt. Assn; Econ. Assn. Marketing research and communications; purchasing; housing economics. Publ: Co-auth, Business and the American philosophy, The Alumnus; The case approach to the teaching of general marketing, In: Marketing concepts in changing times. Address: 126 E. Pokagon, South Bend, Ind. 46617.

MALONE, DR. ROBERT L(INCOLN), b. Harrisburg, Ill, Feb. 12, 23; m. 46; c. 3. INDUSTRIAL & ENGINEERING PSYCHOLOGY. B.S. Southern Illinois, 50, M.S. 51; Ph.D., Illinois, 58. Teacher, Dallasania Sch, Ill, 46-47; registr. Commercial Trades Inst, 49-51; asst. psychol, Illinois, 51-55; personnel res. psychologist, United Air Lines, 55-60; mgr. human factors, Kellogg Div. Int. Tel. & Tel. Corp. 60-65; CONSULT. PRINCIPAL BEHAV. SCI, FRY CONSULT, INC, 65- U.S.A.A.F. 43-46. Psychol. Assn; Human Factors Soc. Executive assessment; personality and aptitude measurement; personnel systems and research; human factors engineering; attitude-morale measurement; counseling. Publ: Understanding: a key to leadership, Personnel. Address: 3900 Johnson Ave, Western Springs, Ill. 60558.

MALONEY, DR. JOHN C(LEMENT), b. Laurel, Nebr, Aug. 19, 29; m. 50; c. 5. PSYCHOLOGY. B.A., Nebraska, 51; M.S., Purdue, 53, Res. Found. fel. 53-54, Nat. Foremanship Found. grant & Ph.D. 55. Mgr. personnel res. personnel psychol, Minneapolis Honeywell Regulator Co, Inc, 54-55; Omar, Inc, 55-57, dir. mkt. res, 57-58; res. supvr. mkt. advert. & commun. res, Leo Burnett Co, Inc, 58-60, mgr. res. develop, 60-66; ASSOC. PROF. ADVERT, NORTHWESTERN, 66-, RES. DIR, URBAN JOURNALISM CENTER, 67-, lectr, univ, 60-63. Adv. Nat. Adv. Cmn. Civil Disturbances, 67-68. Mkt. lit. award, Alpha Kappa Psi, 63. Psychol. Assn; Mkt. Assn. Psychology of perception, cognition, learning and attitude change as these apply to reaction to persuasive communications and communications research; systems theory applications to social science; study of urban problems. Publ: Marketing decisions and attitude research, In: Effective marketing coordination; Is advertising believability really important?, J. Mkt, 10/63; Advertising research and an emerging science of mass persuasion, Journalism Quart, autumn 64. Address: Fisk Hall, Northwestern University, Evanston, Ill. 60621.

MALONEY, PROF. J(OSEPH) F, b. New York, N.Y., June 24, 26; m. 48; c. 2. PUBLIC ADMINISTRATION. A.B. Fordham, 50, M.A. 51, Ph.D.(govt), 55. Instr. govt. sch. bus, Fordham, 51-56, asst. prof. 56-60; exec. dir. Mass. Transportation Cmn, Mass, 60-64; sr. consult. pub. admin, Inst. Admin, Ife, Nigeria, 65-66; PROF. POLIT. SCI. & DIR. URBAN STUDIES CENTER, LOUISVILLE, 66- Spec. asst. Gov. Mass, 60. U.S.A., 45-46. Am. Polit. Sci. Assn; Am. Acad. Polit. & Soc. Sci; Am. Soc. Planning Off; Am. Soc. Pub. Admin; Acad. Polit. Sci; Asn. Housing & Redevelop. Officials; Nat. Munic. League; Regional Planning Assn; Royal Inst. Pub. Admin; Nigerian Inst. Mgt. State and local politics and administration; metropolitan problems; government reorganization; public transportation; development, strategy and or-

ganization; decision making process and machinery. Publ: Co-auth. & ed, Mass transportation in Massachusetts, 64. Address: Urban Studies Center, University of Louisville, Louisville, Ky. 40208.

MALONEY, DR. THOMAS J, b. Arlington, Mass, Nov. 16, 22; m. 48; c. 4. ANTHROPOLOGY, SOCIOLOGY. B.S. Northeastern, 48; S.T.B. Harvard, 52; A.M. Washington (St. Louis), 56, Ph.D.(anthrop. sociol), 66; Colorado, 57-58. Chem. engr. Gen. Aniline & Film Corp, Univ. Colorado Exp. Sta. & Gen. Elec. Co, 48-52; minister, Unitarian Churches, Ill. & Iowa, 52-56; dir. personnel res, atomic power div, Westinghouse Elec. Corp, 56-57; minister, Unitarian Church, Colo, 57-62; asst. prof. SOCIOL. & ANTHROP, New Mexico Highlands, 62-67; ASSOC. PROF. & CHMN. DEPT, RIPON COL, 67- Lectr, Pittsburgh, 56-57; instr, Colorado, 57-59. U.S.A., 42-44, Res, 49-52; U.S.M.C., 44-46. Fel. AAAS; fel. Anthropol. Assn; Sociol. Assn. Cultural change and ecology, particularly in semi-arid areas such as American Southwest; field research with Zia Pueblo Indians and Anglo- and Hispano-American cattle ranchers of New Mexico. Publ: Population growth at Zia Pueblo, J. Colo-Wyo. Acad. Sci, 59; Recent demographic and economic changes in northern New Mexico, New Mex. Bus. 9/64; Technological conservatism in cattle ranching as an adaptive process, In: Symposium on human problems in arid regions, Univ. Arizona, 68. Address: Dept. of Anthropology & Sociology, Ripon College, Ripon, Wis. 54971.

MALOOF, PROF. LOUIS J(OSEPH), b. Rome, Ga, Dec. 25, 13. SOCIOLOGY, ANTHROPOLOGY. A.B. Georgia, 49, M.A. 50; fel. Florida, 53-54, 56-57, Ph.D. 59. Instr. sociol, Atlanta Div, Georgia, 51-52; med. res. specialist & consult, health center, Florida, 52-54, chmn. space age prog, 57, field rep, gen. exten. div, 57-59; asst. prof. sociol, Annhurst Col, 55-56; assoc. prof. & mem. grad. faculty, Detroit, 59-60; vis. prof. St. Bernard Col, 60-61; assoc. prof. South Carolina, 61-62; dir. eve. prog, Ogelthorpe, 62-65; Soc. Sci. Crime Res. Lab, Ga, 65-67; HEAD PROF. SOCIOL. & ANTHROP. BERRY COL, 67- Consult, Am. Arabic Coun, Detroit Int. Inst, 59-60. Mid. East Distinguished Serv. Award Soc. Sci, 62. U.S.M.C., 42-48. AAAS; Sociol. Assn; Rural Sociol. Soc; Acad. Polit. & Soc. Sci; Soc. Criminol. Medical and military sociology; Arab East and Latin American peoples and institutions. Publ: China crisis; co-auth, Social problems; ed, Medical center study series, Vols. I-V. Address: Box 482, Mt. Berry, Ga. 30149.

MALOON, DR. JAMES H(AROLD), b. Union City, Ohio, June 22, 26; m. 48; c. 3. ECONOMICS, POLITICAL SCIENCE. B.A. Miami (Ohio), 48; M.A. Indiana, 49, Ph.D. 60. Assoc. prof. soc. sci. & head dept. econ, Northeast Mo. State Col, 51-53; dir, State Div. Tax Res, Ohio, 53-59, dir. of finance, 59-62; off. univ. studies, Univ. Michigan, 62-63; exec. v.pres, Reston, Va, Inc, 63-64; V.PRES, COLUMBIA GAS SYST. SERV. CORP, 67- Consult, U.S. Cmnr. Ed, U.S. Dept. Commerce, Govt. of Pakistan & Bank of Cyprus, 64-67. Mem. bd. gov. Coun. State Govt, 59-63; chmn. Ohio Interstate Coop. Cmn, 59-63. U.S.N., 44-46. Econ. Assn; Nat. Tax Assn. Public finance; money and banking. Publ: Industrial development in East Pakistan, Govt. E. Pakistan, 65; Taxation of financial institutions in Ohio; Ohio state and local government revenues. Address: 120 E. 41st St, New York, N.Y. 10017.

MALOS, DR. HERBERT B(ERNARD), Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

MALOSKEY, PROF. PAUL J, b. Gallitzin, Pa, Oct. 10, 24; m. 54; c. 2. LABOR ECONOMICS. B.A. St. Francis Col.(Pa), 48; B.A. & M.A. Duquesne, 51; Econ-in-Action fel, Case, 54; fel. Pennsylvania, 60; fel. Chicago, 61; American Univ, 65-68. ASSOC. PROF. ECON, ST. FRANCIS COL.(PA), 51- Instr, eve. div, Pa. State, Altoona, 66. Instr, Altoona Sch. Commerce, summers 54-55. Sig.C, U.S.A.R., 42-45. Econ. Assn. Public administration; management. Address: Dept. of Economics, St. Francis College, Loretto, Pa. 15940.

MALOTT, DR. DEANE W, b. Abilene, Kans, July 10, 98; m. 25; c. 3. ECONOMICS. A.B. Kansas, 21; M.B.A. Harvard, 23; LL.D., Washburn, 41, Bryant Col, 51, Hamilton Col, 51, California, 54, Liberia, 62, New Hampshire, 62, Emory, 63, Juniata Col, 65; hon. D.C.S. Pittsburgh, 57; L.H.D. Long Island, 67. Asst. prof. pub. utility mgt. & asst. dean sch. bus, Harvard, 23-29, assoc. prof. bus, 33-39, v.pres, Hawaiian Pineapple Co, Ltd, 29-33; chancellor, Kansas, 39-51; pres, CORNELL, 51-63, EMER. PRES, 63- Counselor, Nat. Indust. Conf. Bd, 53-; admin. consult, Asn. Am. Cols, 67- Publ: Problems in agricultural marketing; co-auth, Problems in public utility management & The agricultural industries. Address: Cornell University, 322 Wait Ave, Ithaca, N.Y. 14850.

MALOUF, PROF. CARLING I, b. Fillmore, Utah, June 9, 16; m. 41; c. 4. ANTHROPOLOGY. B.S. Utah, 39, M.S. 40; New Mexico, 46; Ph.D. Columbia, 56. From asst. prof. to assoc. prof. ANTHROP, MONTANA, 48-64, PROF, 64- Mem. Northwest Anthropol. Conf. U.S.A., 42-46, Capt. Fel. Anthropol. Assn; Soc. Am. Archaeol. Archaeology of Utah, Nevada, Arizona and Montana; ethnology of Utah, New Mexico, Montana and the Near East; modern Indian affairs in the United States. Publ: Gosiute peyotism, Am. Anthropol; Thoughts of Utah archaeology & Tipi rings of the high plains, Am. Antiq. Address: Dept. of Anthropology, University of Montana, Missoula, Mont. 59801.

MALPASS, DEAN LESLIE F(REDERICK), b. Hartford, Conn, May 16, 22; m. 46; c. 4. PSYCHOLOGY. B.A. Syracuse, 46, M.A. 49, Ph.D.(psychol), 52. Psychologist, Onondaga County Child Guid. Center, N.Y., 48-52; asst. prof. psychol, Southern Illinois, 52-55; assoc. prof, 55-60; prof. human behavior & chmn. dept, South Florida, 60-65; PROF. PSYCHOL. & DEAN COL. ARTS & SCI, VA. POLYTECH, 65- Phillips Found. fel, North Carolina & Stanford, 62-63. Consult, pub. schs, N.Y., 50-52; Peace Corps, 63-; Kennedy Found, 64-; Nat. Sci. Found. & Off. Ed, 65- Dipl. Am. Bd. Exam. Prfnl. Psychol, 57. Med.C, U.S.A., 45-46. AAAS; Psychol. Assn. Behavioral sciences; learning processes; personality theory. Publ: Auth, Human behavior, 65 & ed, Social behavior, 66, McGraw; co-auth, Mental retardation, Aldine, 67. Address: 1401 Locust Dr, Blacksburg, Va. 24060.

MALPASS, DR. ROY S(OUTHWELL), b. Amsterdam, N.Y., Sept. 23, 37; m. 60; c. 2. SOCIAL PSYCHOLOGY. B.Sc. Union Col.(N.Y.), 59; M.A. New Sch. Soc. Res, 61; Nat. Defense Ed. Act fel, Syracuse, 65-67, Ph.D.(psychol), 68.

- Res. asst. PSYCHOL, res. found, Childrens Hosp. D.C., 61-62; lectr, Mt. Allison, 62-65; ASST. PROF. ILLINOIS, URBANA, 67- Psychol. Asn. Cognition; cognitive development; environmental effects on behavior. Address: 306 Bliss Dr, Urbana, Ill. 61801.
- MALPHRUS, DR. LEWIS DANIEL, b. Ridgeland, S.C., Nov. 19, 14; m. 43; c. 1. AGRICULTURAL ECONOMICS. B.S., Clemson, 38; fel, Tennessee, 39-40, M.S., 40; Ph.D., Purdue, 54. Asst. treas. off, Clemson, 38-39; from asst. county supvr. to state health specialist, farm security admin. & farmers home admin. U.S. Dept. Agr., 40-42, 46-47; from asst. agr. economist to ASSOC. PROF. AGR. ECON, CLEMSON, 47- U.S.A., 42-46, Res., 46-, Col. AAAS; Agr. Econ. Asn. Marketing grain and livestock. Publ: Auth, South Carolina hog prices, 55 & co-auth, Consumer preference for beef produced on grass and grain or in drylot, 62 & Economics of production and marketing livestock in South Carolina, 66, S.C. Agr. Exp. Sta. Address: Dept. of Agricultural Economics, Clemson University, Clemson, S.C. 29631.
- MALTBY, DR. JANE MERRIAM, b. U.S.; m; c. 1. PSYCHOLOGY. B.S., N.Y. Univ., 30, Ph.D., 45; B.A., Yale, 33. Prin. pub. schs, Conn, 33-35; instr. high sch, 35-48, dir. psychol. serv., 48-58; asst. psychologist, children's anxieties, Yale, 58-66; private practice, 66- Fel. Int. Conn. Psychol. Children's anxieties. Address: 2879 Whitney Ave, Hamden, Conn. 06518.
- MALTZMAN, PROF. IRVING M(YRON), b. New York, N.Y., May 9, 24; m. 49; c. 2. PSYCHOLOGY. B.A., N.Y. Univ., 46; Ph.D.(psychol), Iowa, 49. Instr. PSYCHOL, CALIFORNIA, LOS ANGELES, 49-51, asst. prof., 51-61, PROF., 61- Physiological correlates of human learning and attention. Publ: Theoretical conceptions of semantic conditioning and generalization, Prentice-Hall, 68; co-auth, Handbook of contemporary soviet psychology, Basic Books, 68 & Individual differences in the orienting reflex, J. Exp. Res. Personality, 66. Address: Dept. of Psychology, University of California, Los Angeles, Calif. 90024.
- MALZBERG, DR. BENJAMIN, b. New York, N.Y., Dec. 2, 93; m. 35; c. 3. STATISTICS. B.S., City Col. New York, 15; A.M., Columbia, 17, Ph.D.(soc. sci.), 34; Am. Field Serv. fel, Paris, 19-21; London, 20-21. STATISTICIAN, State Dept. Soc. Welfare, N.Y., 22-28; state dept. ment. hyg., 28-56; RES. FOUND. MENT. HYG, INC, 56- Consult, State Dept. Ment. Hyg., N.Y., 56- Fel. AAAS; Statist. Asn; Psychomet. Soc; Pop. Asn; Psychopath. Asn; Inst. Math. Statist. Statistical studies in mental disease, mental deficiency and epilepsy; population aspects, trends, inheritance and racial aspects. Publ: Internal migration and mental disease in Canada, 1950-1952, 64, Ethnic variation in mental disease in New York, 66 & Mental disease in New York State, 1910-1960, 68, Res. Found. Ment. Hyg, Inc. Address: 44 Holland Ave, Albany, N.Y. 12208.
- MAMALAKIS, DR. MARKOS JOHN, b. Salonica Greece, Oct. 30, 32; m. 60; c. 6. ECONOMICS. LL.D., Thessalonika, 55; Munich, 55-57; M.A., California, Berkeley, 59, Ph.D.(econ), 62. Teaching asst. ECON, California, Berkeley, 58-61; instr, Western Ontario, 61-62, asst. prof., 62-63, Yale, 63-67; ASSOC. PROF. & DIR. LATIN AM. CENTER, WISCONSIN, MILWAUKEE, 67- Can. Coun. res. grants, 62-63; mem. inst. econ. res., Queen's, 62-63; summers, Ford Found. fel, seminar, Pittsburgh, 63, Ford vis. prof. grad. sch. econ, Chile, 66. Am. Econ. Asn; Economet. Soc; Can. Econ. Asn. Economy theory, economic development; economic development of Latin America. Publ: Co-auth, Essays on the Chilean economy, Econ. Growth Center, Yale, 65; auth, The theory of sectoral clashes, Univ. Chile, 66; Growth as a cause of inflation, J. Econ. Studies, 11/65. Address: Center for Latin American Studies, University of Wisconsin, Milwaukee, Wis. 53211.
- MAMCHUR, DR. STEPHEN WILLIAM, b. Krydor, Sask, Aug. 12, 10. SOCIOLOGY, ANTHROPOLOGY. B.A., Saskatchewan, 31; M.A., McGill, 34; scholar, Yale, 35-36, Ph.D., 42. Prof. & chmn. dept., Col. St. Thomas, 36-42; polit. analyst, U.S. Dept. Justice, Wash, D.C., 42-46; ASST. PROF. SOCIOLOGY, WAYNE STATE, 46-, acting chmn. dept. sociol. & anthrop., 47. Recreational consult, Neighborhood House, New Haven, Conn, 34-35; examr, U.S. Employ. Serv., Minn., 37; lectr, Col. of St. Catherine, 38-40; YMCA & YWCA, St. Paul, Minn., 40; dir. family counseling div., Rels. Develop. Corp., 49- Pres, Ukrainian-Am. Cultural Found, 55- Sociol. Asn. Sociology of nationality; Ukrainian organizations and foreign political activity in the United States. Address: Dept. of Sociology & Anthropology, Wayne State University, Detroit, Mich. 48202.
- MANALAYSAY, DR. REUBEN, b. Manila, Philippines, Oct. 6, 15; m. 42; c. 2. PSYCHOLOGY. B.S., Ed, Philippine Union Col, 38, A.B., 39; M.A., Far East Univ, Manila, 47; M.Ed, Philippines, 50; Fulbright scholar & Ed.D.(ed. psychol), Indiana, 51. Asst. prof. ed. & hist, Philippine Union Col, 38-42, pres., 42-45, 52-64, assoc. prof. ed., 45-50, dean faculties, 50-52; prof. psychol. & ed, Walla Walla Col, 64-66; ASSOC. PROF. PSYCHOL, ACADIA, 66- Asia Found. travel fel, European univs, 56-57; prof. lectr, Far East Univ, Manila, 58-64. Ed. consult. ed. conf, Hong Kong, 55, Tokyo, 57, Singapore, 59 & Manila, 60-64. Bd. mem, Philippine Asn. Grad. Ed, 60-64, ed, PAGE J, 62-64. AAAS. Education; counseling; guidance; sociology; history. Address: Dept. of Psychology, Acadia University, Wolfville, N.S., Can.
- MANATIS, DR. JOHN V, b. Greenville, S.C., July 1, 40; m. 61; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A., Ga. State Col, 62; M.A., Virginia, 65, U.S. Pub. Health Serv. fel, 66-67, Ph.D.(exp. psychol), 67. Teacher, high sch, Ga., 62-63; ASST. PROF. PSYCHOL, GA. INST. TECH, 67- Human learning, memory and perception. Publ: Transfer of training in perceptual learning, Va. J. Sci., 65. Address: School of Psychology, Georgia Institute of Technology, Atlanta, Ga. 30332.
- MANCHESTER, DR. ALDEN C(OE), b. Willimantic, Conn, Dec. 6, 22; m. 46; c. 1. ECONOMICS. A.B., Rollins Col, 43; M.A., American Univ, 48; Ph.D. (econ), Harvard, 51. Exec. secy, New Eng. Res. Coun., 51-55; agr. economet. mkt. orgn. & costs br, agr. mkt. serv. U.S. DEPT. AGR., 55-60, head dairy sect, MKT. ECON. DIV, ECON. RES. SERV., 61-63, CHIEF ANIMAL PROD. BR, 63- U.S.N.R., 43-46, Lt. Econ. Asn; Agr. Econ. Asn. Agricultural economics, marketing and prices. Address: Marketing Economics Division, Economic Research Service, U.S. Dept. of Agriculture, Washington, D.C. 20250.
- MANCHESTER, PROF. CURTIS ALEXANDER, b. Youngstown, Ohio, Oct. 5, 12; m. 50. GEOGRAPHY. A.B., Michigan, 35, M.A., 37, Ph.D.(geog), 46. Teaching fel, Michigan, 38-41; vis. lectr, Stanford, 46-47; assoc. prof. & chmn. dept. GEOG, HAWAII, 47-57, PROF., 57- Fulbright award, Panjab, India, 52-53; res. dir, Univ. Michigan Center Japanese Studies, Okayama, Japan, 54-55; Fulbright lectr, Kyoto Univ, Japan, 57-58; vis. lectr, Stanford, summer, 59; Fulbright prof, Tohoku Univ, Japan, 65-66. U.S.N.R., 41-46, Lt. Comdr. Pacific Ocean area regional geography. Address: Dept. of Geography, University of Hawaii, 2565 The Mall, Room 101, Honolulu, Hawaii 96822.
- MANCUSO, DR. CULLEN JOSEPH, b. Houston, Tex, Nov. 8, 32; m. 54; c. 3. CLINICAL PSYCHOLOGY. B.A., Houston, 55, M.A., 58, Ph.D., 60; fel, Texas, 58-59. Res. & clin. psychologist, med. br, Texas, 57-58; from asst. prof. to ASSOC. PROF. PSYCHOL, TULSA, 59- Consult, State Dept. Health, Okla., 61- Psychol. Asn. Psychodiagnostic procedures; psychotherapy; personality theory; socio-cultural aspects of psychiatry. Address: Dept. of Psychology, University of Tulsa, Tulsa, Okla. 74104.
- MANCUSO, PROF. JAMES C(ARMEN), b. Hazelton, Pa, Jan. 17, 28; m. 54. c. 2. PSYCHOLOGY. A.B., Dickinson Col, 51; Ph.D., Rochester, 58. Psychologist, pub. schs, N.Y., 56-58; counseling serv, Lehigh, 58-61; ASSOC. PROF. PSYCHOL, STATE UNIV. N.Y. ALBANY, 61- Psychol. Asn. Personality and academic learning. Address: 15 Oakwood Place, Delmar, N.Y. 12054.
- MANDEL, DR. BENJAMIN J, b. Poland, Sept. 1, 11; nat; m. 37; c. 2. STATISTICS. B.S., City Col. New York, 34, State Univ. N.Y. scholar, 34; M.A., George Washington, 38; American Univ, 40-42, 58-62; Dr. Econ, Gothenburg Sch. Econ. & Bus. Admin, Sweden, 68. Economist & statistician, U.S. Dept. Health, Ed. & Welfare, 38-43, head wages & employ. unit, 43-50, chief statist. br, bur. old age survivors ins, 50-60, asst. dir. statist. standards & ops, off. ed, 60-62; DIR. OFF. STATIST. PROGS, POST OFF. DEPT., 62- Vis. lectr, sch. bus, indust. & mgt, Baltimore, 46-; lectr, U.S. Dept. Agr. Grad. Sch, 61-; Civil Serv. Cmn. Mgt. Training Center; summer prof. lectr, Gothenburg, 67. Award, Post Off. Dept. 67. Statist. Asn; Soc. Qual. Control. Development of statistical sampling for use by administrators; mathematics; education; social economy. Publ: The regression control chart—a multi purpose tool of management, Universal Postal Union, 67; Statistics for management; Sampling the federal OASI records, J. Am. Statist. Asn. Address: 6101 16th St. N.W., Washington, D.C. 20011.
- MANDEL, BERNARD, b. Philadelphia, Pa, Mar. 31, 11; m. 37; c. 1. ECONOMICS. B.A., Pennsylvania, 33, M.A., 34, Harrison scholar, 34-35, Harrison fel, 35-36. Asst. Nat. Res. Proj. Productivity, 36-39; inspector, wage & hour div, U.S. Dept. Labor, 39-42, labor economist, bur. labor statist., 42-47, price economist, 47-49; statistician, off. dep. chief naval ops. logistics, U.S. Dept. Navy, 49-51, head statist. staff, 51-61, ops. res. analyst, Naval Command Sys. Support Activity, 61-67; INSTR. DEVELOP. MATH, NORTH. VA. COMMUNITY COL, 67-, part time instr. econ. 65-67. Econ. Asn. Logistics; statistics; mathematics. Address: 9736 Ranger Rd, Fairfax, Va. 22030.
- MANDEL, PROF. JACOB, b. New York, N.Y., Oct. 11, 28; m. 54. PSYCHOLOGY. B.S., Long Island, 50; M.A., Texas, 54, Ph.D. 57. Asst. prof. PSYCHOL, Winthrop Col, 56-59; assoc. prof. E.Cent. State Col, 59-61; E.Carolina Col, 61-64; PROF, KUTZTOWN STATE COL, 64- Psychol. consult, S.C. State Dept. Ed, 58-59. Psychol. Asn. Test design; personality evaluation; institutional and program evaluation. Publ: Effect of value similarities on the accuracy of evaluating certain personality characteristics; Relationships among intelligence quotients, environmental variables and reading achievement of fourth-grade pupils; Personnel problems peculiar to small psychology departments. Address: Kutztown State College, Kutztown, Pa. 19530.
- MANDEL, DR. JOHN, Math. Statist, see 11th ed, Phys. & Biol. Vols.
- MANDEL, DR. S(TEPHEN) P(AUL) H(UGH), b. Vienna, Austria, Feb. 14, 33; m. 59. STATISTICS. B.Sc., Sydney, 54, M.Sc., 55, grant, 56; Overseas Sci. Res. scholar. & Ph.D.(math), Cambridge, 59. Asst. prof. statist, Iowa State, 59-60; biostatist, sch. med, Tulane, 60-63, assoc. prof., 63-66; med. statist, col. med, Vermont, 66-67; CHIEF MATH. & STATIST. RECORDS, WHO, SWITZ, 67- Consult, Nat. Commun. Disease Center, Ga, 65-; Food & Drug Admin, Dept Health, Ed. & Welfare, D.C. 66-; Peace Corps, 66-; Off. Econ. Opportunity, 66- Statist. Asn; Biomet. Soc; Statist. Soc. Australia. Mathematical genetics; theoretical population genetics, especially mechanisms whereby deleterious genes are maintained in populations; analysis of data on the frequencies of genes in human populations. Publ: Polymorphism in human populations, Proc. Int. Conf. Human Genetics; Stability of a multiple allelic system & co-auth, Inequality in population genetics, Heredity. Address: World Health Organization, Avenue Appia, Geneva 1211, Switz.
- MANDELBAUM, PROF. DAVID G(OODMAN), b. Chicago, Ill, Aug. 22, 11; m. 43; c. 3. ANTHROPOLOGY. B.A., Northwestern, 32; fel, Lab. Anthropol, 33; Ph.D.(anthrop), Yale, 36. Nat. Res. Coun. fel, India, 36-37; from instr. to asst. prof. ANTHROP, Minnesota, 38-46; assoc. prof., CALIFORNIA, BERKELEY, 46-48, PROF., 48-, CHMN. CENTER ASIA STUDIES, 65- chmn. dept, 55-57, dir. ed. resources in anthrop proj, 59-62. Carnegie Corp. interdisciplinary fel, Stanford, 41; analyst, U.S. Dept. Army, Wash, 42-43; Guggenheim fel, 49; Fulbright res. fel, Cambridge, 53; fel, Center Adv. Studies Behav. Sci., 57-58. Trustee, Am. Inst. Indian Studies, 61-, sr. fel, 63-64. Mem, U.S. Nat. Cmn. UNESCO, 58-63. U.S.A., 43-46, Maj. Fel. Anthropol. Asn; fel. Soc. Appl. Anthropol; fel. Oriental Soc; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Ethnology of South and Southeast Asia; Anthropological theory; applied anthropology. Publ: Auth, Soldier groups and Negro soldiers, 53 & co-auth, The teaching of anthropology, 63 & 2nd ed, 67, Univ. California; Systems of society in India, Houghton, 69. Address: Dept. of Anthropology, University of California, Berkeley, Calif. 94720.
- MANDELBROT, DR. BENOIT, Appl. Math, see 11th ed, Phys. & Biol. Vols.

MANDELL, PROF. MAURICE I, b. New York, N.Y., Oct. 23, 25; m. 56; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. B.S., N.Y. Univ., 47; M.B.A., Syracuse, 49; Found. Econ. Ed. fel. & D.B.A.(mkt), Indiana, 53. Instr. MKT, Syracuse, 48-50; asst. prof., Western Reserve, 51-53; from asst. prof. to PROF., BOWLING GREEN STATE, 53-, CHMN. DEPT. 65-. Vis. prof., Oklahoma, 55; Fulbright lectr., Helsinki Sch. Econ., Swedish Sch. Econ. & Abo Acad., Finland, 56-57. Ford Found. consult., inst. bus. admin., Dacca, 67. Econ. Assn; Mkt. Assn. Consumer motivation; social and economic effects of advertising; vertical cooperative advertising. Publ: Co-auth, Principles of retailing; auth, Advertising, Prentice-Hall, 68. Address: Dept. of Marketing, Bowling Green State University, Bowling Green, Ohio 43402.

MANDELL, MILTON M(CHAEL), b. New York, N.Y., June 1, 11; m. 34; c. 1. SOCIAL SCIENCE. B.S., N.Y. Univ., 33; Chicago, 33-34. Personnel dir. mat. div., War Progress Bd., 42-43; chief analyst, President's Cmt. Congested Prod. Areas, 43-44; chief mgt. testing unit, U.S. Civil Serv. Cmn., 45-61; spec. asst. to cmnr., bur. labor-mgt. reports, U.S. Dept. Labor, 61-64; RES. PSYCHOLOGIST, INTERNAL REVENUE SERV., 64-. Mgt. selection consult., U.S. Dept. Navy, 45-61; consult., Westinghouse Elec. Corp., 49 & 56; Commonwealth of P.R., 53. Management selection and appraisal; selection of scientists and engineers; selection for overseas assignments. Publ: The selection process, Am. Mgt. Assn, 64; Employment interviewing; co-auth, Selecting supervisors. Address: 700 Seventh St. S.W., Washington, D.C. 20024.

MANDELL, DR. WALLACE, b. Brooklyn, N.Y., Jan. 25, 28. SOCIAL PSYCHOLOGY. B.S.S., City Col. New York, 48; fel., 48-49; M.S., Yale, 51; Ph.D., N.Y. Univ., 54; M.P.H., Hopkins, 59. Asst. psychol., Yale, 49-51; N.Y. Univ., 52-53; res. scientist, Air Force Personnel & Training Center, 53-54. res. consult., dir. ment. health, State Dept. Health, Tex., 56-60; DIR. RES. STATEN ISLAND MENT. HEALTH SOC., 60-. U.S.A., 54-56. Psychol. Assn; Sociol. Assn; Pub. Health Assn. Scientific study of social conditions affecting mental health of communities; influence of community organization; mass communication; social agencies; evaluation of mental health agencies and programs. Publ: Co-auth, Order of presentation in communication; co-auth, Restoration of youth thru training, 67 & Surgical and social rehabilitation of offenders, 67, Staten Island Ment. Health Soc. Address: Staten Island Mental Health Society, 657 Castleton Ave., Staten Island, N.Y. 10301.

MANDELSTAMM, PROF. ALLAN BERYLE, b. Saginaw, Mich., Oct. 18, 28. ECONOMICS. A.B. Michigan, 50; M.A., 51, univ. fel., 52-54, Taylor fel., 56, Ph.D.(econ), 62. Instr. ECON, Michigan, 54-56; asst. prof., Northwestern, 57-59; Vanderbilt, 59-63; assoc. prof., MICH. STATE, 63-67. PROF., 67-. Ford Found. fel., 62. Consult. manpower probs. in Thailand, U.S. Agency Int. Develop. 65. Econ. Assn; Indust. Rel. Res. Assn. Labor economics; money and banking; industry studies; history of economic thought. Publ: The effects of unions on efficiency in the residential construction industry, Indust. & Labor Rel. Rev., 7/65; co-auth, Summer employment of students: A local study, Indust. Rel., 5/67. Address: Dept. of Economics, Michigan State University, East Lansing, Mich. 48823.

MANDER, PROF. LINDEN A(LFRED), Polit. Sci., see 10th ed, Soc. & Behav. Vols., deceased 67.

MANDERSCHIED, PROF. LESTER V(INCENT), b. Maquoketa, Iowa, Oct. 9, 30; m. 53; c. 4. AGRICULTURAL ECONOMICS. B.S., Iowa State, 51; M.S., 52; Ph.D.(agr. econ), Stanford, 61. Asst. Iowa State, 51-52; Stanford, 52-55; asst. prof. AGR. ECON, MICH. STATE, 56-65, ASSOC. PROF., 65-. Chmn. soc. sci. cmt. biol. sci. needs agr. students, Cmn. Undergrad. Ed. in Biol. Sci. & Cmn. Ed. in Agr. & Natural Resources, 65-66; mem. spec. cmt. undergrad. ed, Mich. State, 67. U.S.A.R., 55-63. Statist. Assn; Economet. Soc; Agr. Econ. Assn; Int. Assn. Agr. Econ. Agricultural prices; management; statistics. Publ: Co-auth, Improving undergraduate education, Mich. State, 67; contrib, Economics and management in agriculture; auth, Significance levels-.05, 0. 01 or 7, J. Farm Econ, 65. Address: Dept. of Agricultural Economics, Michigan State University, East Lansing, Mich. 48823.

MANDEVILLE, PROF. MERTEN J(OSEPH), b. Quincy, Ill., Dec. 16, 95; m. 39. INDUSTRIAL ECONOMICS. B.S., Illinois, 21, M.S., 22, Ph.D.(econ), 35. Instr., ILLINOIS, URBANA, 29-36, assoc., 36-42, asst. prof., 42-47, assoc. prof., 47-50, prof. MGT., 50-64, head dept., 53-59, EMER. PROF., 64-. Vis. prof., Southern California, 50. U.S.A. Maj. Econ. Assn; Soc. Adv. Mgt. Organization and policy development. Publ: Industrial management; Industrial resources of southern Illinois. Address: 608 S. McKinley Ave., Champaign, Ill. 61820.

MANDLER, PROF. GEORGE, b. Vienna, Austria, June 11, 24; nat; m. 57; c. 2. PSYCHOLOGY. B.A., N.Y. Univ., 49; M.S., Yale, 50. U.S. Pub. Health Serv. fel., 51-52, Ph.D.(psychol), 53. Psychologist, C.W. Beers Child Guid. Clin., 52-53; asst. prof. clin. psychol., Harvard, 53-56, lectr. & res. assoc., 56-60; assoc. prof. PSYCHOL., Toronto, 60-62, prof., 62-65; PROF. & CHMN. DEPT., CALIFORNIA, SAN DIEGO, 65-, DIR., CENTER HUMAN INFO. PROCESSING, 67-. Vis. res. fel., Yale, 56; fel., Center Adv. Study Behav. Sci., Calif., 59-60. Soc. Sci. Res. Coun. award, 58. U.S.A., 43-46. AAAS; Psychol. Assn; Psychonomic Soc. Emotion and anxiety; psychological theory construction and concept formation; memory and thinking. Publ: Co-auth, Language of psychology, Wiley, 59; auth, Response factors in human learning, Psychol. Rev., 54; Organization and memory, In: The psychology of learning and motivation, Academic, 67. Address: Dept. of Psychology, University of California at San Diego, La Jolla, Calif. 92037.

MANDLER, DR. JEAN M(ATTER), b. Oak Park, Ill., Nov. 6, 29; m. 57; c. 2. PSYCHOLOGY. B.A., Swarthmore Col., 51; Ph.D.(psychol), Radcliffe Col., 56. U.S. Pub. Health Serv. fel. psychol., Harvard, 56-57; res. assoc. soc. rel., Harvard, 57-60; psychol., Toronto, 61-65; assoc. res. psychologist, CALIFORNIA, SAN DIEGO, 65-, LECTR. NEUROSCI., 67-. Psychol. Assn; Psychonomic Soc. Experimental study of animal learning; anxiety; thinking. Publ: Co-auth, Thinking: from association to Gestalt, Wiley, 64; Effect of early food deprivation on adult behavior in the rat, J. Comp. & Physiol. Psychol.; Overtraining and the use of positive and negative stimuli, J. Comp. & Physiol. Psychol., in press. Address: Dept. of Psychology, University of California at San Diego, La Jolla, Calif. 92037.

MANDRIOTA, DR. FRANK J, Psychol., Behav. Sci., see Suppl. V to 11th ed, Phys. & Biol. Vols.

MANEY, DR. ANN C, b. Nyack, N.Y., Dec. 25, 31. SOCIOLOGY. A.B., North Carolina, Greensboro, 53, M.A., Chapel Hill, 55, Nat. Inst. Ment. Health fel., 57-58, Ph.D.(sociol), 58. Instr. sociol., North Carolina, Chapel Hill, 58-59. asst. prof., 59-61; res. assoc. soc. res. sect. div. health affairs, inst. res. soc. sci., North Carolina, 58-61 & 62; asst. prof. sociol. med. med. col., Cornell, 61-62; sociologist, off. dir., MENT. HEALTH STUDY CENTER, NAT. INST. MENT. HEALTH, 63-64, PROJ. DIR. SOC. ORGN. MENT. HEALTH STUDY CENTER, COMMUNITY PROJ. SECT., 64-. Sociol. Soc; Soc. Study Social Probs. Sociology of health and the health professions; social organization; social psychology. Publ: The granny midwife: changing roles and functions of a folk practitioner, Am. J. Sociol., 3/61; A factor analytic study of the need for institutionalization: problems and populations for program development, Am. J. Ment. Deficiency, 11/64. Address: Mental Health Study Center, National Institute of Mental Health, 2340 University Blvd., Adelphi, Md. 20783.

MANFIELD, MANUEL N(EHEMIA), b. Oct. 10, 10; nat. SOCIOLOGY. B.S.S., City Col. New York, 38; M.A., New Sch. Soc. Res., 50. Instr. pub. opinion & propaganda, res. workshop, New Sch. Soc. Res., 50-51; exec. dir., Nat. Res. Serv., New York, 52-57; PRES. M.N. MANFIELD ASSOCS. INC., 57-. Lectr., data collection, 57-. Consult., commercial firms, 47-. Treas., Am. Cmt. Soc. Res. in Israel, Inc., 52-. U.S.A., 42-45. Sociol. Assn; Statist. Assn; Mkt. Assn; Assn. Pub. Opinion Res. Marketing research techniques; communications research; opinion research. Publ: Co-auth, Current controversies in marketing research, Markham, spring 68; auth, Patterns of response to mail surveys, Pub. Opinion Quart. Address: M.N. Manfield Associates, Inc., 159 N. Franklin, Hempstead, N.Y. 11550.

MANFREDI, DR. JOHN F(RANCIS), b. Philadelphia, Pa., Sept. 28, 20; m. 51; c. 1. SOCIOLOGY. B.A., Pennsylvania, 42; Paine Mem. fel. Harvard, 44-45. M.A., 48, Ph.D., 51. Tutor, dept. sociol., Harvard, 45-47; instr. SOCIOL. MASSACHUSETTS, 48-57, asst. prof., 57-64, ASSOC. PROF., 65-. Sociol. Assn. Sociological theory; sociology of religion; urban sociology. Publ: Immigration to Northampton; Societal complexity and limited alternatives. In: Fact and theory in the social sciences: essays in honor of Douglas G. Haring. Address: Dept. of Sociology, University of Massachusetts, Amherst, Mass. 01003.

MANGALAM, DR. J(OSEPH) J(OSEPH), b. Trichur, India, Feb. 16, 24; m. 56; c. 2. SOCIOLOGY, CULTURAL ANTHROPOLOGY. B.Sc., Univ. Panjab, Pakistan, 44, M.Sc., 50; Fulbright travel grant, 52; Crusade scholar, 54-55; Rockefeller Found. grant, 56-57; Ph.D., Cornell, 57. Lectr., chem., Forman Col., Pakistan, 50-52; head dept. sociol., Forman Col. & Univ. Panjab, 57-60; asst. prof. rural sociol., exp. sta., Kentucky, 60-67; ASSOC. PROF. SOCIOL. & ANTHROP., GUELPH, 67-. Res. grants, Asia Found., 58-60, Rockefeller Found., 61-62 & Agr. Develop. Coun. Peace Corps. consult., 61. Sociol. Assn; Anthropol. Assn; Rural Sociol. Soc. Assn. Asian Studies. Sociology of education, sociocultural change and South Asia: sociocultural factors affecting academic performance of university students: eastern Kentucky migrants: adjustment of rural families. Publ: Higher education and national reconstruction in Pakistan, In: Year book of education; Human migration, Univ. Kentucky, 68. Address: Dept. of Sociology & Anthropology, University of Guelph, Guelph, Ont., Can.

MANGELSDORF, DR. JOHN E(LLIS), b. Atchison, Kans., Dec. 21, 21; m. 50; c. 1. PSYCHOLOGY. B.S., Kansas State, 44, M.S., 51; fel., Ohio State, 54-55, Ph.D.(psychol), 55. Res. assoc. human eng., Dunlap & Assocs., Inc., Conn., 51-52; asst. psychol., Ohio State, 52-54; res. engr., LOCKHEED MISSILES & SPACE CO., 55-57, SUPVR. HUMAN ENG., 57-64, STAFF HUMAN FACTORS ENGR., 64-. Summer lectr., Michigan, 59. U.S.N., 44-46, Lt.(jg). AAAS; Opers. Res. Soc; Psychol. Assn; Astronaut. Soc; Human Factors Soc. Human engineering; pattern recognition; statistical decision theory; operations research; design and application of systems employing electronic computers; strategies for the conduct of research and development programs. Publ: Variables affecting the accuracy of collision judgements on radar-type displays; human decisions in missile systems, Ann. N.Y. Acad. Sci. Address: 1591 Mary Ave., Sunnyvale, Calif. 94087.

MANGIN, PROF. WILLIAM, b. Syracuse, N.Y., June 2, 24; m. 46; c. 2. ANTHROPOLOGY. B.A., Syracuse, 48; Ph.D., Yale, 54. Instr. anthropol., Syracuse, 54-56, asst. prof., 56-57; vis. lectr. ethno., Lima, 57-59; assoc. prof. ANTHROP., SYRACUSE, 59-66, PROF. & CHMN. DEPT., 66-. Consult., sch. ed., Harvard, 67-68. U.S.N., 42-46, Ens. Anthropol. Assn. Andean area, particularly Peru; peasant and tribal people in cities; alcohol and drug use; family and kinship. Publ: Las comunidades altinas de la America Latina, Instituto Indigenista Interamericano, Mex. 67; Squatter settlements in Latin America, Latin Am. Res. Rev., summer 67; Squatter settlements. Sci. Am., 10/67. Address: Dept. of Anthropology, Syracuse University, Syracuse, N.Y. 13210.

MANGONE, DR. GERARD J, b. New York, N.Y., Oct. 10, 18; m. 58; c. 3. POLITICAL SCIENCE, INTERNATIONAL LAW. A.B., City Col. New York, 38; A.M., Harvard, 47, Ph.D., 49. Asst. prof. polit. sci., Wesleyan, 49-51; assoc. prof., Swarthmore Col., 52-56, acting chmn. dept., 53-54; assoc. dir., Carnegie Res. Proj. Ed. & Training Overseas Serv., 56-57; prof. polit. sci. & int. law, Syracuse, 57-67, dir., Inst. Am. Overseas Opers., Maxwell Grad. Sch., 58-59, overseas training prog., 59-60, exec. officer, center overseas opers. & res., 60-61, exec. asst. to dean, Maxwell Grad. Sch., 61, assoc. dean acad. affairs, 61-67; V.PRES. & PROVOST ACAD. AFFAIRS, TEMPLE, 68-. Consult., Ford Found. & Carnegie Endowment Int. Peace; UN, 65-66; U.S. Dept. State, 67-68. Mem. Cmn. Study Orgn. of Peace; White House Mission, U.S. Trust Territory Pac. Islands, 63. Polit. Sci. Assn; Soc. Int. Law. International organization, especially the United Nations system; legal, administrative and political problems of international government; American foreign policy. Publ: Idea and practice of world government; Short history of international organization; The elements of international law, Dorsey, 62, rev. ed., 67. Address: 532 College Ave., Haverford, Pa. 19041.

- MANGUM, PROF. GARTH L(EROY), b. Delta, Utah, July 23, 26; m. 53; c. 3. ECONOMICS, POLITICAL SCIENCE. B.S. Brigham Young, 56; M.P.A. Harvard, 58, Ph.D. 60. Instr. econ. Harvard, 59-60; assoc. prof. Brigham Young, 60-67; RES. PROF. ECON. & CO-DIR. CENTER MANPOWER POLICY STUDIES, GEORGE WASHINGTON, 67- Consult. bur. labor statist, U.S. Dept. Labor, 60; Presidential R.R. Cmn, 61; U.S. Dept. Commerce; Appalachian Cmn; Gen. Acct. Off.; Senate Cmt. Labor & Pub. Welfare. V. chmn. Nat. Manpower Policy Task Force. U.S.A.A.F. 45. Econ. Asn; Indust. Rels. Res. Asn. Labor history and economics; industrial relations; public finance. Publ: The operating engineers: economic history of a trade union, Harvard, 64; The manpower revolution: its policy consequences, Doubleday, 65; co-auth, Automation and economic progress, Prentice-Hall, 66. Address: 14917 Claude Lane, Silver Spring, Md. 20904.
- MANGUS, PROF. A(RTHUR) R(AYMOND), b. Salem, Va, Feb. 22, 00; m. 27; c. 1. SOCIOLOGY. A.B. Ill. Wesleyan, 27; A.M. Chicago, 29; Ph.D.(sociol), Wisconsin, 34. Instr. sociol, North Dakota, 29-31, asst. prof. 33-34; asst. Wisconsin, 31-33; sr. res. supvr, U.S. Govt. D.C. 34-39; PROF. RURAL SOCIOLOGY, OHIO STATE, 39-, SOCIOLOGY, 53- Lectr. div. psychiat, California, 51-53; res. sociologist, Langley Porter Clin. 51-53. Soc. sci. consult, State Dept. Ed. N.Y. 45. Rural Sociol. Soc; Sociol. Res. Asn. Mental health; child development and family life. Publ: Personality adjustment of school children, Bull. Ohio Div. Ment. Hyg; Mental health of rural children, Res. Bull. Ohio Agr. Exp. Sta; Society and sexual deviation. Address: 2718 Kent Rd, Columbus, Ohio 43221.
- MANHART, PROF. LEWIS F, b. Marshall, Ill, June 16, 97. MARKETING, STATISTICS. B.S. Bowling Green State, 29; A.M. Ohio State, 36. Asst. prof. BUS. ADMIN. BOWLING GREEN STATE, 37-43, assoc. prof. 46-55, prof. 55-67, EMER. PROF. 67- Dist. economist, Off. Price Admin, Ohio, 43-45. Mkt. consult. & distribution cost analyst, 54- Econ. Asn; Mkt. Asn. Case study of retail credit management; attitudes of consumers and business men toward price control. Publ: Co-auth, Principles of marketing, Pittman, 63. Address: College of Business Administration, Bowling Green State University, Bowling Green, Ohio 43402.
- MANHART, PROF. ROBERT C, b. Wyandot Co, Ohio, June 27, 07. BUSINESS MANAGEMENT. B.S. Ohio State, 37, M.B.A. 39, Ph.D. 49. From instr. to assoc. prof. BUS. MGT, MISSOURI, COLUMBIA, 39-49, PROF. 49- Prof. Washington (St. Louis) & vis. prof. & adv. Korea Univ. & Yonsei Univ, Korea, 58-60. Price economist, Off. Price Admin, 42; mgr. personnel development, Sylvania Elec. Prod, Inc, 43-46. Acad. Mgt. Industrial organization and management; job evaluation under conditions of collective bargaining. Address: 226 Business & Public Administration Bldg, University of Missouri, Columbia, Mo. 65201.
- MANHEIM, PROF. ERNEST, b. Budapest, Hungary, Jan. 27, 00. SOCIOLOGY. Budapest, 18-19; Vienna, 20-22; Kiel, 23-24; Ph.D. Leipzig, 28, London, 37. Lectr. & asst. univ. & exten. Leipzig, 26-33; ASST. PROF. Chicago, 37-38; SOCIOLOGY, MISSOURI, KANSAS CITY, 38- Fulbright fel, Graz and Vienna, Austria, 55-56; Tehran, Iran, 60-61. Hungarian Army. Sociol. Asn. Communications theory; authoritarian family; introduction to the history of sociology; delinquency; cross-cultural studies. Publ: La opinion publica; Zur logik des Konkreten Begriffs; Youth in trouble. Address: Dept. of Sociology, University of Missouri, Kansas City, Mo. 64110.
- MANHEIM, PROF. HENRY L, b. Hackensack, N.J., Aug. 61, 21; c. 2. SOCIOLOGY. A.B. California, Los Angeles, 47; M.A. Southern California, 50, Ph.D. 58. Asst. prof. SOCIOLOGY, New Mexico Highlands, 56-58; ARIZONA STATE, 58-61, assoc. prof. 61-66, PROF. 66- U.S.N. 42-46, Lt. Sociol. Asn. Methodology; social psychology; mathematical sociology. Publ: Personality differences of members of two political parties, J. Soc. Psychol; Intergroup interaction as related to status and leadership differences between groups, Sociometry. Address: Dept. of Sociology, Arizona State University, Tempe, Ariz. 85281.
- MANHEIM, DR. LEONARD F(ALK), Eng, Comp. Lit, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- MANHEIM, DR. MARVIN LEE, Civil Eng, see 11th ed, Phys. & Biol. Vols.
- MANHERTZ, DR. HUNTLEY G, b. Mavis Bank, Jamaica, W.I, May 12, 38; m. 64. ECONOMETRICS. B.Sc. A&T State, 62; M.Sc. Rutgers, 63, Ph.D. (econ), 66. Asst. prof. econ. A&T State, 65-66; res. economist, Nat. Planning Asn, 66-67; ASST. PROF. ECONOMET. & STATIST, PITTSBURGH, 67- Econ. Asn; Economet. Soc. Econometric research methodology; micro-models; macro-regional models; spatial market behavior. Publ: Co-auth, The Northeast as a market for processed foods, Rutgers Exp. Sta, 6/65; auth, An econometric approach to variable isolation, Faculty Res. North Carolina, 1/66; co-auth, Economic and demographic trends in New York, Nat. Planning Asn, 3/67. Address: Dept. of Economics, University of Pittsburgh, Pittsburgh, Pa. 15213.
- MANIS, DR. J(EROME) G, b. Albany, N.Y., Mar. 18, 17; m. 49; c. 2. SOCIOLOGY. B.A. Wayne, 47; M.A. Chicago, 49; Ph.D.(sociol), Columbia, 52. Asst. prof. SOCIOLOGY, WESTERN MICHIGAN, 52-55, assoc. prof. 55-60, PROF. 60-, DIR. CENTER SOCIOLOGY, RES. 57- Fulbright prof, Silliman Univ, Philippines, 59-60; Singapore, 67-68. U.S.A. 42-46. Sociol. Asn; Soc. Study Social Probs. Social psychology; social theory; deviant behavior. Publ: Man and society; co-auth, Symbolic interaction, Allyn & Bacon, 67; auth, Class attitudes of textile workers. Address: Dept. of Sociology, Western Michigan University, Kalamazoo, Mich. 49001.
- MANIS, DR. MELVIN, b. New York, N.Y., Feb. 18, 31; m. 54; c. 2. PSYCHOLOGY. A.B. Franklin & Marshall Col, 51; Ford Found. fells, Illinois, 51-53, univ. summer fells, 51, 52, U.S. Pub. Health Serv. fel, 53-54, Ph.D. (psychol), 54. Clin. psychologist, U.S. Pub. Health Serv, 54-56; instr. psychol, Pittsburgh, 56-58; CHIEF, PSYCHOL. RES. SECT. VET. ADMIN. HOSP, 58-; PROF. PSYCHOL. MICHIGAN, 66-, lectr. 58-61, assoc. prof. 61-66. Grants, U.S. Pub. Health Serv, 56-58 & 63-66. Nat. Sci. Found, 66-68; Fulbright lectr. interdisciplinary studies, Ghent, 66-67. U.S.P.H.S., 54-
- 56, Sr. Asst. Scientist. Psychol. Asn. Verbal behavior and communication; personality; social psychology; experimental study of communication; judgment of compound social stimuli. Publ: Cognitive processes, Wadsworth, 66; co-auth, The evaluation of complex social stimuli, 66 & auth, Context effects in communication, 67, J. Personality & Social Psychol. Address: Dept. of Psychology, University of Michigan, 6622 Haven Hall, Ann Arbor, Mich. 48104.
- MANKIN, DR. V(ICTOR) J(USTUS), b. Philadelphia, Pa, Feb. 6, 20; m. 48; c. 3. PSYCHOLOGY. B.S. Pa. State Teachers Col.(Millersville), 46; Ed.M. Temple, 47, Ed.D.(psychol), 50. Teacher, Lower Moreland High Sch, Pa, 47-48; voc. counsr, Wilmington Pub. Schs, Del, 48-65; COUNSELOR EDUCATOR, COL. ED, DELAWARE, 65-, LECTR. 54- Lectr. Temple, 60. U.S.N. 42-46. Psychol. Asn; Personnel & Guid. Asn. Vocational interests; test construction. Publ: Modernistic chip carving; Practical aircraft hydraulics. Address: 902 Baylor Dr, Newark, Del. 19711.
- MANLEY, EDWARD JAMES, b. New York, N.Y., Feb. 21, 14; m. 43; c. 3. CLINICAL PSYCHOLOGY. B.B.A., St. John's (N.Y.), 38; Washington (St. Louis), 50-52; A.M. St. Louis, 55. Cost acct, Nat. Screen Access, Inc. & Am. Display Co, N.Y., 36-41; div. oper. mgr, Stix, Baer & Fuller, Inc, Mo, 46-50; intern psychol, med. sch, Washington (St. Louis), 54-55, clin. psychologist, retarded children's clin, div. med. psychol, 56-58, acting dir. child eval, 58-59, clin. psychologist, div. child psychiat, 59-62; private practice, 63; EXEC. DIR, ST. LOUIS ASN. RETARDED CHILDREN, 63- U.S.A. 41-46, Capt. Psychol. Asn. Psychological aspects of mental retardation; analysis of psychological, medical, social and speech evaluations of mentally retarded children. Address: 5660 Eichelberger, St. Louis, Mo. 63109.
- MANLEY, DR. JOHN F, b. Utica, N.Y., Feb. 20, 39; m. 59; c. 2. POLITICAL SCIENCE. B.A. Le Moyne Col. (N.Y.), 61; Am. Polit. Sci. Asn. cong. fel, 63-64; Brookings Inst. fel, 65-66; Ph.D.(polit. sci), Syracuse, 67. ASST. PROF. POLIT. SCI, WISCONSIN, 66- Polit. Sci. Asn. Legislative behavior; American government. Publ: Co-auth, Reader on congress, Random, 69; auth, House Committee on Ways and Means, Am. Polit. Sci. Rev, 12/65; Congressional staff and public policy, J. Polit, 11/68. Address: Dept. of Political Science, University of Wisconsin, Madison, Wis. 53706.
- MANLEY, DR. VAUGHN P(ORTER), b. Sioux City, Iowa, Aug. 24, 30; div; c. 4. GEOGRAPHY. A.B. Stanford, 52; M.A. San Diego, 54; D.S.Sc.(geog), Syracuse, 58. Teacher, San Diego Unified Sch. Dist, Calif, 54-55; asst. instr, Maxwell Sch, Syracuse, 55-57; asst. res. forester, sch. forestry, California, 57-58; asst. prof. geog, Wis. State Col.(Whitewater), 58-59; lectr, community col, Drake, 59-61, asst. prof. col. lib. arts, 61-62; econ. col. humanities & sci, Iowa State, 62-65; res. dir, Iowa State Manpower Develop. Coun, 65-67; COORDINATOR, GREATER OPPORTUNITIES, INC, 67- Asn. Am.Geog. Am. Geog. Soc; Regional Sci. Asn; Indust. Rels. Res. Asn. Manpower research and urban social planning. Publ: Iowa's human and community development resources, Off. Gov. State Iowa, 3/67. Address: Greater Opportunities, Inc, 212 Plymouth Bldg, Des Moines, Iowa 50309.
- MANLEY, DR. WILLIAM TANNER, b. Owingsville, Ky, Aug. 18, 29; m. 51; c. 1. AGRICULTURAL ECONOMICS & MARKETING. B.S. Kentucky, 51, M.S. 55; Ph.D. Florida, 58. Tech. asst. agr. econ. Kentucky, 53-55, asst. economist, 55; asst. Florida, 55-58, asst. agr. economist, 58-59; agr. economist, U.S. DEPT. AGR, 59-67, DEP. DIR, MKT. ECON. DIV, ECON. RES. SERV, 67- Cert. of merit, Dept. Agr. 63. U.S.A.F. 51-53, Res. 53-, Maj. Agr. Econ. Asn. Increasing the efficiency with which agricultural products are marketed. Publ: Competitive practices in marketing Florida and Texas fresh grapefruit, U.S. Dept. Agr.-Econ. Res. Serv, 10/63; Marketing Florida vine-ripened tomatoes, 11/63 & co-auth, Demand and competitive relationships for Florida and greenhouse-grown tomatoes, 12/65, Fla. Agr. Econ. Serv. Address: Marketing Economics Division, Economic Research Service, U.S. Dept. of Agriculture, Washington, D.C. 20250.
- MANLY, PROF. LEWIS FREDERICK, b. Erie, Pa, Apr. 23, 03. ECONOMICS. B.S. Col. Wooster, 25; A.M. Tufts Col, 27; Ph.D. Harvard, 51. Instr. ECON, TUFTS, 27-31, asst. prof. 31-42, assoc. prof. 42-46, PROF, 46-, CHMN. DEPT, 42- Chmn. regional dispute panels, War Labor Bd, 43-45, wage stabilization panel, 44-45; pub. mem. New Eng. Wage Stabilization Bd, 51-53. Econ. Asn; Statist. Asn. Social security; costs of unemployment compensation in Massachusetts. Address: Dept. of Economics, Tufts University, Medford, Mass. 02155.
- MANN, PROF. ARTHUR, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MANN, PROF. CECIL W(ILLIAM), b. Sydney, Australia, Oct. 13, 95; nat. PSYCHOLOGY. B.A. Sydney, 28, M.A. 30; Ed.D. Stanford, 37. Assoc. prof. psychol, Teachers' Col, Sydney, Australia, 28-38; Claremont Colls, 39; Denver, 39-42; dir. bur. testing, La. State, 42-45; prof. psychol, TULANE, 45-61, head dept, 46-51, dir. U.S. Off. Naval Res. Proj, 47-60, EMER. PROF. PSYCHOL, 61-; EMER. PROF. WESTERN CAROLINA, 67-, prof. 61-67. Carnegie res. fel, Fiji Islands, 35. Consult. Vet. Admin, 46-50. Fel. Psychol. Asn. Race differences; effect of drugs upon animal learning; postural discrimination in humans and vestibular and visual factors. Publ: Analysis of the oculogyral effect, J. Aviation Med; Visual factors in the perception of verticality & Role of instruction in experimental space perception, J. Exp. Psychol. Address: Route 3, Box 34, Sylva, N.C. 28779.
- MANN, DR. CLAIR V(ICTOR), Civil Eng, see 11th ed, Phys. & Biol. Vols.
- MANN, DR. DAVID, b. New York, N.Y., Feb. 13, 26; m. 50; c. 1. CLINICAL & SOCIAL PSYCHOLOGY. Fel. N.Y. Univ, 51, Ph.D.(psychol), 58. Asst. soc. psychol, res. center human rels, N.Y. Univ, 52-55, clin. assoc. psychol. clin, 55-56; res. assoc. Vis. Nurse Serv. N.Y., 55-58; instr. PSYCHIAT, State Univ. N.Y. Downstate Med. Center, 58-61, ASST. PROF. 61-63; ALBERT EINSTEIN COL, 63- Vis. lectr, Brooklyn Col, 59. Private practice, 57- Consult. Nat. Inst. Neurol. Disease & Blindness, 56-60; div. soc. med. Montefiore Hosp, Bronx, N.Y., 61-, div. rehab. med, 63- U.S.A. 44-46. Psychol. Asn. Social psychology of mental health and illness; ecology of mental

illness; non-medical factors complicating psychotherapy. Address: 54 Riverside Dr. New York, N.Y. 10024.

MANN, DR. DEAN EDSON, b. Ogden, Utah, July 22, 27; m. 51; c. 7. POLITICAL SCIENCE. A.B. California, 51, M.A. 54, Am. Polit. Sci. Assn. congressional fel, 57-58, Ph.D.(polit. sci.), 58. Instr. polit. sci., Arizona, 55-57, asst. prof., 58-60; res. assoc. & mem. sr. staff, Brookings Inst., 60-63; prof. specialist, Ford Found., Venezuela, 63-65; ASSOC. PROF. POLIT. SCI., CALIFORNIA, SANTA BARBARA, 65- Consult, Gov. Cmt. Arid Lands, 59; Outdoor Recreation Resources Rev. Cmn, 59. U.S.N., 45-46. Fel. AAAS: Polit. Sci. Assn.(Leonard D. White award, 58); Soc. Pub. Admin. Public administration, especially executive recruitment and selection; legislative behavior, especially legislative committees and complaint handling; natural resources, especially water in arid lands; decision-making in Latin America. Publ: Politics of water in Arizona, Univ. Arizona, 63; co-auth. The assistant secretaries, 65 & Men who govern, 67, Brookings Inst. Address: Dept. of Political Science, University of California, Santa Barbara, Calif. 93017.

MANN, PROF. DELBERT M(ARTIN), b. Gallen, Mich, Sept. 18, 92; m. 19; c. 3. SOCIOLOGY. A.B. Kansas, 20, A.M., 23; Chicago, 28-29. From instr. to asst. prof. SOCIOL., Kansas, 20-26; prof., Bucknell, 26-28; res. assoc., Virginia, 29-31; prof., SCARRITT COL., 31-57, EMER. PROF., 57- U.S.A., 18-19. Marriage and the family; social problems; labor relations; general sociology. Publ: Co-auth. Social pathology, Crowell, 25 & The jails of Virginia, Appleton, 33. Address: 215 Lauderdale Rd, Nashville, Tenn. 37205.

MANN, PROF. FLOYD C(HRISTOPHER), b. Washington, Iowa, Feb. 15, 17; m. 40; c. 3. SOCIAL PSYCHOLOGY. B.A. Iowa, 40, M.A., 41; Ph.D.(sociol.), Michigan, 53. Economist & statistician, Bur. Labor Statist., 42-45, chief cost of living res. sect., 45-47; study dir., surv. res. center, MICHIGAN, 47-51, asst. prog. dir. inst. soc. research, 51-56, dir., 56-64, asst. prof. PSYCHOL., 53-59, assoc. prof., 59-62, PROF., 62-, INST. SOC. RES., 56-, DIR. CENTER RES. UTILIZATION SCI. KNOWLEDGE, 64- Psychol. Asn; Soc. Appl. Anthropol; Sociol. Asn; Indust. Rels. Res. Asn. Industrial social psychology: organization change; industrial mental health. Publ: Co-auth. Automation and the worker, The community general hospital & Shift work, Univ. Michigan, 65. Address: 1300 Chalmers Dr, Ann Arbor, Mich. 48104.

MANN, PROF. FRITZ KARL, b. Berlin, Germany, Dec. 10, 83; nat; m. 24; c. 4. ECONOMICS. J.D., Goettingen, 06; Ph.D. Berlin, 13; hon. Dr. rer. pol., Frankfurt, 59; hon. Dr. rer. pol., Tübingen, 67. Lectr., Kiel, 14-19, extraordinary prof., 19-22; prof. & dir. inst. East. econ., Königsberg, 22-26; prof., Cologne, 26-35, dir. inst. int. finance & inst. fiscal policy, 27-35, dean soc. & econ. sci. faculty, 33-34; prof. ECON. & PUB. FINANCE, AMERICAN UNIV., 36-56, EMER. PROF., 56-, chmn. dept. econ. & bus. admin., 48-53. Lectr., Acad. Polit. Germany, 28-33; emer. prof., Cologne, 35-; lectr., Schurz, Wisconsin, 37; mem. staff, Brookings Inst., 40-41; fel., Library of Cong., 43-45. Acting dir. res. Indust. Col. Armed Forces, 43-44. Econ. Asn; Finance Asn; Econ. Hist. Asn; Acad. Polit. & Soc. Sci. History of economic thought; economic theory; fiscal theory and public finance; sociology. Address: 3713 Williams Lane, Washington, D.C. 20015.

MANN, DR. HAROLD MICHAEL, b. Camden, N.J., Jan. 30, 34; m. 59; c. 2. ECONOMICS. B.A., Haverford Col., 56; Ph.D.(econ.), Cornell, 62. Instr. ECON. BOSTON COL., 61-62, asst. prof., 62-67, ASSOC. PROF., 67- Nat. Sci. Found. fel., 67-68. Econ. Asn. Industrial organization; study of the relationship between market structure and certain performance indices—profitability, sales promotion, capacity. Publ: Seller concentration, barriers to entry and rates of return in thirty industries, 1950-1960, Rev. Econ. & Statist., 8/66; co-auth. Advertising and concentration: An empirical investigation, J. Indust. Econ., 11/67. Address: Dept. of Economics, Boston College, Chestnut Hill, Mass. 02167.

MANN, HELENE DAVIS POWNER, b. Greensburg, Ind., June 30, 99; m. 37; c. 1. PSYCHOLOGY. A.B. California, 22; M.A., Southern California, 27. Ed., Charles T. Powner Co., 22-24; teacher, pub. schs., Calif., 24-26; teacher & psychologist, Pasadena City Schs., 26-29; chief psychologist, Los Angeles County Juvenile Hall Clin., 29-39; spec. lectr. psychol., Denver, 39-42; asst. to dir. bur. testing & guid., La. State, 43-45; dir. reading improv. prog., Tulane, 53-57; PRACTICING PSYCHOLOGIST, 57- CLIN. PSYCHOLOGIST, BUR. INDIAN AFFAIRS, U.S. DEPT. INTERIOR, CHEROKEE RESERVATION, 62- Consult, Whittier Col., 31-39. U.S.A., 43-45. Psychol. Asn. Acquisition of foreign languages by gifted and other exceptional children; juvenile delinquency; emotional factors in perception and learning; child psychology; psychosomatics, especially in cancer. Publ: Co-auth. Age and intelligence of a group of juvenile delinquents, J. Abnorm. & Soc. Psychol., 7/39; auth. An analysis of the results obtained by retesting juvenile delinquents, J. Psychol., 39; some hypotheses on perceptual and learning processes with their applications to the process of reading, J. Genetic Psychol., 57. Address: Route 3, Box 34, Sylva, N.C. 28779.

MANN, PROF. JOHN WILLIAM, b. Philadelphia, Pa., Dec. 27, 20; m. 47; c. 1. ANTHROPOLOGY, PSYCHOLOGY. B.A., N.Y. Univ., 46; M.A., Columbia, 47, Fulbright scholar, 55, Ph.D.(anthrop., soc. psychol.), 58. Instr. psychol., State Univ. N.Y., 50-52; asst. prof. ANTHROP., Northern Illinois, 56-61; ASSOC. PROF., NORTHEAST. ILL. STATE COL., 61- Assoc. prof., eve. div., col. arts & sci., Northwestern, 64. Anthropol. Asn. Psychological anthropology; psychology of personality; the European folktale; child and adolescent psychology. Publ: Teaching and research in ethnic dance, J. Ethnomusicol.; The three snake leaves, USF Lang. Quart., fall-winter 67. Address: Division for the Study of Human Personality, Northeastern Illinois State College, Bryn Mawr & St. Louis Aves, Chicago, Ill. 60625.

MANN, PROF. KARL O(TTO), b. Germany, Mar. 5, 25; nat. INDUSTRIAL RELATIONS. B.A., American Univ., 47; M.A., Wisconsin, 49; Ph.D.(indust. & labor rel.), Cornell, 55. Instr. econ., American Univ., 49-50; asst. indust. & labor rel., Cornell, 50-52, 55; asst. prof. indust. rel., Duquesne, 55-58; assoc. prof., Toledo, 58-65, prof., 65-67; PROF. INDUST. REL., CHMN. DIV. GRAD. STUDIES & ACTING CHMN. DEPT. MGT, RIDER COL., 67- Economist, wage & hour div., U.S. Dept. Labor, D.C. & P.R., 52-54. U.S.A., 43-45. Econ. Asn; Indust. Rels. Res. Asn; Acad. Mgt. Labor legisla-

tion; collective bargaining; personnel administration. Publ: Line and staff in personnel administration, Personnel J., 4/61; Critique of an employee complaint, In: Eds. J.M. Champion & F.J. Bridges, Critical incidents in management, Irwin, 63; Characteristics of job evaluation programs, Personnel Admin., 9-10/65. Address: School of Business Administration, Rider College, Trenton, N.J. 08602.

MANN, SISTER M. JACINTA, b. Pinckneyville, Ill., May 13, 25. STATISTICS. B.S., Southern Illinois, 46; M.S., Wisconsin, 47, Knapp fel. & Ph.D.(statist), 58; Seton Hill Col., 50-52. Statistician, off. statist. & res., Wisconsin, 48-50; teacher, high sch., Pa., 52-56; ASST. PROF. ED. SETON HILL COL., 58-, DIR. ADMISSIONS, 62-, asst. dir., 59-60. Am. Coun. Ed. fel., acad. admin. internship prog., Scripps Col., 67-68. Mem. Col. Entrance Exam. Bd. Cmt. on Guid., 63-64; Asn. Col. Admissions Counsr., Col. Admissions Center Adv. Bd., 64-67; col. entrance exam. bd., Col. level exam. prog., Cmt. Exam., 66-67. Statist. Asn; Psychol. Asn; Nat. Coun. Measurement in Ed. Factor analysis; prediction of academic success; use of the questionnaire. Publ: Relationships among certain variables associated with post-college success, Creativity and productivity in evaluation and measurement & Prediction of achievement in a liberal arts college, Ed. Psychol. Measurement. Address: Seton Hill College, Greensburg, Pa. 15601.

MANN, DR. MAURICE, b. Peabody, Mass., Feb. 22, 29; m. 53; c. 2. ECONOMICS. B.A., Northeastern, 51; M.A., Boston, 52; Ph.D.(econ.), Syracuse, 55. Instr. econ., Ohio Wesleyan, 55-56, asst. prof., 56-58; financial economist, Soc. Security Admin., 58-60; sr. financial economist, FED. RESERVE BANK OF CLEVELAND; 60-62, sr. monetary economist, 62-63, V.PRES. & GEN. ECONOMIST, 63- Ford Found. summer fel., Faculty Res. Sem., 57. Mem. & trustee, Real Property Inventory Metrop. Cleveland, 63-; mem., nat. coun., Northeastern, 64-; mem. & unit chmn., econ. res. cmt., Cleveland Seven-County Transportation-Land Use Study, 66-; mem., econ. adv. coun. to gov., Commonwealth of Pa., 67-; adv. cmt., Long Island Univ. Bur. Bus. Res., 67- Finance Asn; Nat. Asn. Bus. Econ.; Econ. Asn. Finance; monetary and fiscal policy; international economics. Address: Federal Reserve Bank of Cleveland, P.O. Box 6387, Cleveland, Ohio 44101.

MANN, PROF. SEYMOUR Z, b. Chicago, Ill., Mar. 29, 21; m. 42; c. 3. POLITICAL SCIENCE, URBAN AFFAIRS. B.E., Northern Illinois, 42; M.A., Chicago, 47, Soc. Sci. Res. Coun. fel., 51, Ph.D.(polit. sci., soc. psychol., indust. rels.), 51. Instr. polit. sci., Triple Cities Col., Syracuse, 48-49; from asst. prof. to assoc. prof., Harpur Col., 51-59; prof. polit. sci. & dir. pub. admin. & metrop. affairs prog., Southern Illinois, 60-67, PROF. URBAN AFFAIRS & POLIT. SCI. & DIR. URBAN RES. CENTER, HUNTER COL., 67-, CHMN. DEPT. URBAN AFFAIRS, 68- Fulbright prof., Germany & vis. expert, U.S. High Cmnr.-Germany, 54-55; State Univ. N.Y. Res. Found. grant, 56; participant faculty seminar metrop. res., Syracuse, 59. Consult, Broome County Planning Bd., 55-56; assoc. Planning & Pub. Mgt. Serv., 56-57; consult, Temporary State Cmn. Constitutional Convention, N.Y., 57; Cleveland Metrop. Serv. Cmn., 59; Human Develop. Corp. & St. Louis Model City Agency, 67-68. U.S.A., 42-45. Polit. Sci. Asn; Soc. Pub. Admin. Problems of representation and decentralization in metropolitan areas; public policy and the cities; urban planning system. Publ: Co-auth. Land uses planning in the Cleveland metropolitan areas, Cleveland Metrop. Serv. Cmn., 59 & Urbanism in Illinois, Pub. Affairs Res. Bur., Southern Illinois Univ., 65; auth., Chicago's war on poverty, Loyola Univ., 66. Address: Urban Research Center, Hunter College, New York, N.Y. 10021.

MANN, DR. WALTER, Psychiat., see 11th ed, Phys. & Biol. Vols.

MANN, DR. WILBURN RAYMOND, Psychol., see 10th ed, Soc. & Behav. Vols.

MANNE, PROF. ALAN S, b. New York, N.Y., May 1, 25; m. 54. ECONOMICS. A.B., Harvard, 43, M.A., 48, Ph.D., 50. Instr. econ., Harvard, 50-52; res. economist, Rand Corp., 52-56; PROF. ECON. & OPERS. RES., STANFORD, 61- Economist. Soc; Inst. Mgt. Sci. Economic applications of mathematical programming. Publ: Scheduling of petroleum refinery operations; Studies in process analysis; Investments for capacity expansion. Address: Dept. of Economics, Stanford University, Stanford, Calif. 94305.

MANNERS, DEAN GEORGE E, b. New York, N.Y., Nov. 26, 10; m. 39; c. 2. BUSINESS ADMINISTRATION, ACCOUNTING. B.S.C., Ga. Tech. Sch. Commerce, 35; M.B.A., Georgia, 46; Ph.D.(hist.), Emory, 59. Tech. technician labor dept., State Ga. Merit Syst., 40-42; res. asst. dean, SCH. BUS. ADMIN., GA. STATE COL., 47-50, DEAN, 50- Mem., Atlanta Regional Export Expansion Coun., 64- U.S.A., 42-46. University administration, including determination of objectives and trends, organization, allocation of resources, control; business history, including effects of changing technology and service on social fabric, determination of objectives, and decision-making. Address: Georgia State College School of Business Administration, 33 Gilmer St. S.E., Atlanta, Ga. 30303.

MANNERS, PROF. ROBERT A(LAN), b. New York, N.Y., Aug. 21, 13; m. 43; c. 4. ANTHROPOLOGY. B.S., Columbia, 35, M.A., 39, Viking Fund fel., 49-50, Ph.D.(anthrop.), 50. Asst. ANTHROP., Columbia, 49-50; instr., Rochester, 50-52; from lectr. to PROF. BRANDEIS, 52- Nat. Sci. Found. res. fel., 61-62. Mem., soc. sci. sect., Nat. Inst. Ment. Health Training Br., 65-69. U.S.A., 42-46, Capt. Fel. AAAS; fel. Anthropol. Asn; Ethnol. Soc. Cultural anthropology; social anthropology in Puerto Rico; ethnology of Walapai, Havasupai and southern Paiute Indians in Arizona; culture change among Kipsigis of Kenya. Publ: Process and pattern in culture, Aldine, 64; co-auth. Contemporary change in traditional societies, Univ. Illinois Press, 67 & Theory in anthropology: a sourcebook, Aldine, 68. Address: Dept. of Anthropology, Brandeis University, Waltham, Mass. 02154.

MANNING, DR. JOHN W(ALKER), b. Nelson Co, Ky., Apr. 30, 99. PUBLIC & BUSINESS ADMINISTRATION. A.B., Georgetown Col., 21, LL.D., 49; A.M., Louisville, 26; Ph.D., Iowa, 30; Chicago, 24 & 27. Teacher, high schs., Tenn., La. & Ky., 21-25; prof., Louisville, 25-27; prof. hist. & polit. sci., Vanderbilt, 26-29; polit. sci., Iowa, 29-30; bur. govt. res., Kentucky, 30-40; American Univ., 46-47; state cmnr. finance, Ky., 48-52; pres., Tri-State Chem. Co., 52-59; PROF. MGT., LOUISVILLE, 59- Investr. Nat. Cmt. Enforcement &

Observance, 31; dir. personnel, commonwealth of Ky, 36-37; ed. counsr, Nat. Inst. Pub. Affairs, 40-41; acting dist. dir, Off. Econ. Stabilization, Ky, 51. Consult, Tenn. Valley Authority, 33-34; Ky. Reorgn. Cmn, 36; Nat. Planning Bd, 39-41; Personnel Policy Bd, U.S. Dept. Defense, 49-50. U.S.A., 41-46. Polit. Sci. Asn; Govt. Res. Asn. Public administration management; organization, personnel and finance; political science; municipal planning and zoning in Iowa. Publ: The American's government; Small business potential in Kentucky, Small Bus. Admin, 63. Address: 77 Valley Rd, Louisville, Ky. 40204.

MANNING, DR. PETER KIRBY, b. Salem, Ore, Sept. 27, 40; m. 61; c. 3. SOCIOLOGY. B.A., Willamette, 61; Nat. Defense Ed. Act fel, Duke, 62-65, M.A., 63, Nat. Sci. Found. summer fel, 65, Ph.D.(sociol), 66. Instr. SOCIOL, Duke, 64-65; ASST. PROF, Missouri, Columbia, 65-66; MICH. STATE, 66-67. Sociol. Asn. Occupations and professions; social deviance and disorganization; medical sociology. Publ: Auth. & ed, Readings in social deviance; theoretical perspectives, Lippincott, 69; auth, Problems in interpreting interview data, Sociol. & Social Res, 4/67; co-auth, Identity and institutional imperatives: the socialization of the student actress, Sociol. Quart, 68. Address: Dept. of Sociology, Michigan State University, East Lansing, Mich. 48823.

MANNING, PROF. TRAVIS W(ARREN), b. Jester, Okla, June 17, 21; m. 43; c. 6. AGRICULTURAL ECONOMICS. B.S.A., Okla. State, 49, M.S., 50; Ph.D. (agr. econ), Minnesota, 54. Instr. agr. econ, Minnesota, 52-53; asst. prof. econ, S.Dak. State Col, 53-54, assoc. prof. agr. econ, 54-56 & 57-58, prof, 58-59; assoc. prof. agr. econ, Arkansas, 56; agr. economist, Fed. Reserve Bank of Kansas City, 59-62; PROF. AGR. ECON. & HEAD DEPT., ALBERTA, 62- Vis. prof. & consult. resource econ, California, Berkeley, 67-68. U.S.A., 41-45. Am. Agr. Econ. Asn; Can. Agr. Econ. Soc; Agr. Inst. Can; Brit. Agr. Econ. Soc. Publ: Performance of the hog marketing system in Alberta, Univ. Alberta, 67; Procurement policies and practices of selected South Dakota dairy plants; Minnesota dairy cooperatives. Address: 5403 89th Ave, Edmonton, Alta, Can.

MANNING, DR. WINTON H(OWARD), b. St. Louis, Mo, Feb. 9, 30; m. 59; c. 2. PSYCHOLOGY. A.B., William Jewell Col, 51; Ph.D., Washington (St. Louis), 59. Res. asst, Human Rel. Res. Found. & Washington (St. Louis), 51-54, 56-58, res. psychologist, 58-59; personnel psychologist, Butler Mfg. Co, 54; instr. psychol, William Jewell Col, 54-55, asst. prof. & acting chmn. dept, 55-56; asst. prof, Texas Christian, 59-61, assoc. prof, 61-64, prof, 64-65; assoc. dir. res, COL. ENTRANCE EXAM. BD, 65-66, dir. prog. develop, 66-68, EXEC. DIR. RES. & DEVELOP. & DIR. FOR CMN. ON TESTS, 68. Co-regional coordinator, Proj. Talent, 60-61; vis. lectr, Southern Methodist, summer, 65; lectr, med. br, Texas, 66-68. AAAS; Psychol. Asn; Psycho-met. Soc; Ed. Res. Asn; Personnel & Guid. Asn; Nat. Coun. Measurement in Ed; N.Y. Acad. Sci. Human learning; psychometric theory; educational research. Publ: Analytically meaningful approach to matrix inversion & Motivation measurement, Ed. & Psychol. Measurement; Gain in proficiency as a criterion in test validation, J. Appl. Psychol. Address: College Entrance Examination Board, 475 Riverside Dr, New York, N.Y. 10027.

MANNINO, DR. FORTUNE VINCENT, b. New Orleans, La, Jan. 1, 28; m. 52; c. 2. SOCIAL WORK, SOCIAL SCIENCE. B.S., Tulane, 49, M.S.W., 51; Ph.D. (soc. welfare & soc. sci), Fla. State, 59. Psychol. soc. worker, U.S. Air Force Hosp, Alaska, 52-54, chief psychol. soc. worker, Mass, 54-55, asst. chief soc. serv. dept, N.Y., 55-56; res. asst. soc. welfare, Fla. State, 56-59; psychol. soc. worker, MENT. HEALTH STUDY CENTER, NAT. INST. MENT. HEALTH, 59-61, chief psychol. soc. worker, 61-62, dir. consult. serv, 63-66, RES. SOC. WORKER & PROJ. DIR, 67- Nat. Guard, 50-51; Med.Serv.C., U.S.A.F., 51-56; U.S.P.H.S., 59-, Scientist Dir. AAAS; Nat. Conf. Soc. Welfare; Asn. Soc. Workers; Coun. Family Rel. Marriage and family; parent-child relationships; education; community mental health practices; public health. Publ: Mental health in the community, Behav. Pub, 68; Family factors related to school persistence, J. Ed. Sociol, 1/62; Evaluation of the physical examination as part of psychiatric clinic intake practice, Am. J. Psychiat, 8/65. Address: Mental Health Study Center, 2340 University Blvd. E, Adelphi, Md. 20783.

MANNO, PROF. F(RANCIS) J(OSEPH), b. Clermont, Pa. POLITICAL SCIENCE, ECONOMICS. B.S., Georgetown, 41, Ph.D.(hist), 54. Admin. asst, Fed. Housing Authority; aide & admin. asst. to chief staff, U.S. Navy; admin. analyst, Fed. Pub. Housing Authority; asst. prof. polit. sci. & hist, St. Mary of the Plains Col; asst. prof. hist, Villanova, 57-63; PROF. LATIN AM. HIST, STATE UNIV. N.Y. COL. BROCKPORT, 63- Fel. Mex. Acad. Int. Law, 66. U.S.N.R., Lt. Polit. Sci. Asn; Mgt. Asn; Conf. Latin Am. Studies; Acad. Polit. & Soc. Sci; Hist. Asn. Latin America; diplomacy; American history and government. Publ: Yucatan en la guerra, Revista de la universidad de Yucatan, 63; Era of Jefferson, Catholic Month encyclop, 64; co-auth, Grants-in-aid, Nation's cities, 65. Address: Dept. of History, State University of New York College at Brockport, Brockport, N.Y. 14420.

MANOS, NICHOLAS E(MMANUEL), Statist, see 11th ed, Phys. & Biol. Vols.

MANOSEVITZ, DR. MARTIN, b. Minneapolis, Minn, June 22, 38; m. 59; c. 1. PSYCHOLOGY. B.A., Minnesota, 60, fel, 62-64, Ph.D.(psychol), 64. ASST. PROF. PSYCHOL, Rutgers, 64-67; TEXAS, AUSTIN, 67- AAAS; Psychol. Asn; Soc. Res. Child Develop. Personality research and theory; behavior genetics; social development. Publ: Genotype, fear and hoarding, 60: 412-416 & Hoarding and inbred strains of mice, 63: 148-150, J. Comp. & Psychol. Psychol; co-auth, MMPI patterns of overt male homosexuals: a reinterpretation of Dean and Richardson's data, J. Consult. Psychol, 30: 555-557. Address: Dept. of Psychology, University of Texas, Austin, Tex. 78712.

MANSBACH, DR. RICHARD W(ALLACE), b. New York, N.Y., Jan. 3, 43; m. 67. POLITICAL SCIENCE. B.A., Swarthmore Col, 64; D.Phil.(polit), Oxford, 67. ASST. PROF. POLIT. SCI., SWARTHMORE COL, 67- Polit. Sci. Asn. Soviet-Yugoslav rapprochement of 1955-1958. Address: Swarthmore College, Swarthmore, Pa. 19081.

MANSFIELD, PROF. EDWIN, b. Kingston, N.Y., June 8, 30; m. 55. ECONOMICS, STATISTICS. A.B., Dartmouth Col, 51; scholar & univ. fel. & M.A., Duke, 53, Ph.D.(econ), 55; Fulbright scholar, London, 54-55. Instr. ECON, Maryland, 55, asst. prof, Carnegie Inst. Tech, 55-60, assoc. prof, 60-63; PROF, PENNSYLVANIA, 63- Ford Found. faculty res. fel, 60-61; vis. assoc. prof, Yale, 61-62; vis. prof, Harvard, 63-64. Consult, Rand Corp, 62-; Fed. Power Cmn, 63-; U.S. Army, 64-; President's Cmn. Automation, 65-66. Econ. Asn; Statist. Asn; Economet. Soc. Econometrics; economic theory; industrial organization. Publ: Industrial research and technological innovation, 68, The economics of technological change, 68, Monopoly power and economic performance, 68, Norton. Address: Dept. of Economics, University of Pennsylvania, Philadelphia, Pa. 19104.

MANSFIELD, PROF. HARVEY C(LAFLIN), b. Cambridge, Mass, Mar. 3, 05; m. 30; c. 4. POLITICAL SCIENCE. A.B., Cornell, 27, Pres. White fel, 27-28, A.M., 28; Curtis fel, Columbia, 28-29, Ph.D., 32; Yale, 29-31. Instr. govt, Yale, 29-33, asst. prof, 33-42; fel, Branford Col; prin. admin. officer, assoc. price exec. & price exec, Off. Price Admin, D.C., 42-46, historian & chief policy anal. br, 46-47; prof. polit. sci, Ohio State, 47-85, chmn. dept, 47-59; PROF. GOVT, COLUMBIA, 65- Acting asst. prof, Stanford, 39-40; vis. expert, Off. Mil. Govt, Frankfurt, Germany, 49; res. faculty, Nat. War Col, 53. Sr. consult, President's Cmt. Admin. Mgt, 36; State Cmn. Govt. Orgn, Conn, 50; President's Cmt. Mgt. Improve, 52; Cmn. Inter-govt. Rel, 54-55; consult, Econ. Stabilization Agency, 51; mem. adv. coun. reappointment, State Legis, N.Y., 65-66; behav. & soc. sci. surv. cmt, Nat. Res. Coun-Soc. Sci. Res. Coun, 67-68. Polit. Sci. Asn.(managing ed, Am. Polit. Sci. Rev, 56-65, v-pres, 67-68); American national government. Publ: The comptroller general, Yale, 39; A short history of OPA, Govt. Printing Off, 49; co-auth, Arms and the state, 58. Address: 524 Fayerweather Hall, Columbia University, New York, N.Y. 10027.

MANSFIELD, DR. HARVEY C(LAFLIN), JR., b. New Haven, Conn, Mar. 21, 32; m. 54; c. 2. POLITICAL SCIENCE. B.A., Harvard, 53, Soc. Sci. Res. Coun. fel, 58-59, Ph.D., 61; London Sch. Econ, 53-54. Asst. prof. polit. sci, California, Berkeley, 60-62; GOVT, HARVARD, 62-66, ASSOC. PROF, 66- U.S.A., 54-56. Polit. Sci. Asn. Political philosophy; British government. Publ: Statesmanship and party government, Chicago Univ, 65. Address: 11 Angier Rd, Lexington, Mass. 02173.

MANSFIELD, DR. LAWRENCE F(FREDERICK), b. St. Petersburg, Fla, Sept. 19, 22. ECONOMICS. B.A. & B.S., Washington & Lee, 47; M.A., Florida, 49; Ph.D., North Carolina, 60. Asst. econ, Florida, 48-49; instr. Duke, 49-51; economist, Off. Price Stabilization, 52; asst. prof, Tampa, 53; Tennessee, 53-57; Fla. State, 57-59; Hollins Col, 59-61; assoc. economist, Fed. Reserve Bank of Atlanta, 61-62, economist, 62-64, sr. economist, 64-65, 67-68; econ. adv, U.S. Agency Int. Develop, Conakry, Guinea, 65-66, prog. economist, Lagos, Nigeria, 66-67; PROF. ECON, MIAMI (FLA), 68- U.S.N.R., 43-46, Lt.(jg). Econ. Asn. Monetary and price theory; banking theory and institutions. Publ: Origins of the International Monetary Fund; The international monetary system: as it is, 1/64 & The international monetary system: as it might be, 2/64, Fed. Reserve Bank Atlanta Monthly Rev. Address: Dept. of Economics, University of Miami, Coral Gables, Fla. 33124.

MANSFIELD, DR. LUCILE HOWE, b. Annapolis, Md, July 2, 34; m. 55; CLINICAL PSYCHOLOGY. B.A., Duke, 55; M.S., Pittsburgh, 58, U.S. Pub. Health Serv. fel, 57-60, Ph.D.(clin. psychol), 60. Trainee, Pittsburgh Child Guid. Center, 59-60; clin. psychologist, Pittsburgh Bd. Pub. Ed, 60-61; instr. psychol, South. Conn. State Col, 61-62; CLIN. PSYCHOLOGIST, Joseph P. Kennedy Mem. Hosp, Brighton, Mass, 63-64; Child Guid. Clin. of Del. County, Pa, 64-66; COMMUNITY MENT. HEALTH CLIN, 67- Psychol. Asn. Emotional problems of childhood; child development, measurement and evaluation. Address: Community Mental Health Clinic, 4400 Haverford Rd, Philadelphia, Pa. 19104.

MANSFIELD, MICHAEL, b. Dublin, Ireland, Jan. 23, 10. ECONOMICS. B.A., Nat. Univ. Ireland, 34, M.A., 35; Fulbright sr. fel, Fordham, 53-54; M.B.A., N.Y. Univ, 56, Ford Found. fel, 61-62. Lectr. hist, Mungrat Col, Ireland, 38-39; lectr. econ, Xavier Col. & dir. econ. seminar, Newman Col, Australia, 48-49; lectr. money & banking, Hong Kong, 49-57, acting head dept. econ, 49-55; RES. ECONOMIST, 57- Consult, Hong Kong Housing Soc, 51-57; South East Asia regional seminar, UN Food & Agr. Orgn, 54; labour dept, Hong Kong Govt, 54-55; Hong Kong Br, Int. Trade Union Orgn, 55; pres, Cath. Univ. Taiwan, 59. Econ. ed, China News Anal, 53-57. Chmn, Hong Kong Coun. Soc. Serv, 53-55; mem, Hong Kong Govt. Soc. Adv. Coun, 53-55; chmn. Cmt. Inquiry, Ment. Retarded Children, Hong Kong, 54-55. Econ. Asn. Social and economic problems of Southeast Asia; international monetary questions, specifically present operation of the London money market. Publ: Mediaeval legal price, Irish Ecclesiastical Record; What is real free trade, Outlook; Institutional changes in the American economy, Far East. Econ. Rev. Address: Divine Providence Foundation, 225 E. 45th St, New York, N.Y. 10017.

MANSON, DR. GRACE E(VELYN), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 63.

MANSON, DR. JULIUS J, b. New York, N.Y., June 27, 07; m. 47; c. 3. ECONOMICS. B.A., Columbia, 31, M.A., 32, Ph.D.(econ), 55; LL.B., Brooklyn Law Sch, 36. Statistician, New York Housing Authority, 33-34; sr. investr, Div. Minimum Wage & Women in Indust, 34-37, asst. counsel, 37-40; labor rels. exam, State Labor Rel. Bd, N.Y., 40-42; DIST. DIR, STATE BD. MEDIATION, N.Y., 42- Faculty mem, Hudson Shore Labor Sch, 42-47; New Sch. Soc. Res, 46-; N.Y. State Sch. Indust. & Labor Rel. Exten, Cornell, 48-; Rutgers, 49-50; grad. div. pub. serv, N.Y. Univ, 50; lectr, sch. gen. studies, Columbia, 52- Consult, Govt. of Turkey, 66-68; mem, Nat. Bur. Econ. Res. U.S.A., 43-46. Econ. Asn; Indust. Rel. Res. Asn; Acad. Polit. & Soc. Sci; Acad. Arbit. Labor law, history and economics; labor dispute settlement in Turkey. Publ: Problems of labor arbitration; British health service; Mediation, In: The encyclopedia of management, 63. Address: 14 Stuyvesant Oval-6F, New York, N.Y. 10009.

MANSON, DR. MORSE P(ACKARD), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.

MANSSON, DR. HELGE HILDING, b. Copenhagen, Denmark, Jan. 8, 30; U.S. citizen; m. 65; c. 2. PSYCHOLOGY. B.A. California, Los Angeles, 60; Nat. Insts. Health fel, N.Y. Univ, 64-65, Ph.D.(soc. psychol), 65. Res. asst. soc. psychol, California, Los Angeles, 60-61; N.Y. Univ, 61-63, instr. psychol, 63-65; asst. prof. pub. health, California, Los Angeles, 65-66; PSYCHOL, HAWAII, 66-68, ASSOC. PROF, 68- Fulbright lectr, Gujarat Univ, India, 68-69; lectr, California Exten, 65-66; co-researcher & consult, J. Marshall & Co, 63-65. Danish Army, 49-51; U.S.A. 52-54. Psychol. Asn; Soc. Psychol. Study Social Issues, 63. Social motivation; cross-cultural and legal psychology; social learning and personality; prejudice and intergroup relations; psychology of aggression; war and peace. Publ: Co-auth, Commitment to social deprivation and verbal conditioning, J. Abnorm. & Soc. Psychol, 63 & Punitiveness, recall and the police, J. Res. Crime & Delinquency, 66; auth, The relation of dissonance reduction to cognitive, perceptual communications and learning measures of thirst, In: Cognitive controls of motivation, Scott, 68. Address: Dept. of Psychology, University of Hawaii, Honolulu, Hawaii 96822.

MANTEL, HOWARD N, b. Brooklyn, N.Y., June 4, 30; m. 62; c. 1. POLITICAL SCIENCE, LAW. A.B., Brooklyn Col, 51; LL.B., Columbia, 56. Asst. dir. legis. drafting res. fund, Columbia, 56-60; ASST. DIR. & COUNSEL, INST. PUB. ADMIN, 60- Lectr, Queens Col.(N.Y.), 67- Consult, prfnl. exam. serv, Am. Pub. Health Asn, 65- Dir, Ment. Hyg. Recodification Proj, N.Y., 64-; mem, Mayor's Task Force Reorgn. New York City Govt, 66-67; Gov. Cmt. N.J. Pub. Policy Probs, 66- U.S.A. 53-55. Polit. Sci. Asn. Technical studies of government organization and policy and intergovernmental relations; drafting of legislation; administration of research projects in public administration. Publ: A new mental hygiene law for New York State, Inst. Pub. Admin, 66; The Congressional Record: fact or fiction of the legislative process, West. Polit. Quart, 12/59 & In: Materials on American national government, Oxford Univ, 62; The war on water pollution in the United States, Local Govt. Throughout World, 10-12/65. Address: Institute of Public Administration, 55 W. 44th St, New York, N.Y. 10036.

MANTEL, NATHAN, Math. Statist, see 11th ed, Phys. & Biol. Vols.

MANTEL, DR. SAMUEL JOSEPH, JR, b. Indianapolis, Ind, Nov. 17, 21; m. 50; c. 4. ECONOMICS. A.B., Harvard, 48, M.P.A., 50, Ph.D.(polit. econ. & govt), 52. Asst. prof. soc. sci, Ga. Inst. Tech, 53-56; asst. prof. eng. admin, CASE WESTERN RESERVE, 56-59, ASSOC. PROF. ECON, 59-; DIR. ECON-IN-ACTION PROG, 58- Fel, Econ-in-Action, 55. U.S.M.C., 42-46, 52-53, Maj. Econ. Asn; Acad. Polit. & Soc. Sci. Economics of industrial management, research and development and conflict resolution. Address: Dept. of Management, Case Western Reserve University, Cleveland, Ohio 44106.

MANTHY, DR. ROBERT SIGMUND, b. Chicago, Ill, Apr. 4, 39; m. 60; c. 2. FOREST ECONOMICS. B.S. Mich. State, 60, M.S., 63, Ph.D.(forest econ), 64. Assoc. economist, Northeast. Forest Exp. Sta, U.S. Forest Serv, 63-65, prin. economist, 65-66; ASST. PROF. FORESTRY ECON, MICH. STATE, 66- Soc. Am. Foresters; Econ. Asn. Forest policy; demand and supply of timber products in the United States; marketing of forest products. Publ: Co-auth, Marketing pulpwood in the North Central region, Mich. Agr. Exp. Sta, 64; auth, Economic-base projections for river-basin planners, Proc. Soc. Am. Foresters, 66 & Dynamic concepts of timber requirements and availability, Proc. South. Ind. Forest Mgt. Cong, 67. Address: 1418 Chester Rd, Lansing, Mich. 48912.

MANUEL, PROF. FRANK E(DWARD), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MANUEL, PROF. HERSCHEL T(HURMAN), b. Freetown, Ind, Dec. 24, 87; m. 28; c. 3. EDUCATIONAL PSYCHOLOGY. A.B., DePauw, 09; A.M., Chicago, 14; Clark, 15-16; Ph.D.(ed. psychol), Illinois, 17. Prin. & sch. supt, 09-13; instr. ed. & psychol, Clark, 15-16; teacher, State Norm. Sch, Colo, 19-23, West. State Col, 23-25; assoc. prof. ed. psychol, TEXAS, AUSTIN, 25-27, prof, 27-62, dir. testing & guid. bur, 45-58, EMER. PROF. ED. PSYCHOL, 62- Mem. Inter-Am. test proj. cmt. mod. lang, Am. Coun. Ed, 41-49. U.S.A., 17-19, Lt. AAAS; fel. Psychol. Asn; Soc. Study Ed; Ed. Res. Asn; Coun. Measurement in Ed; Inter-Am. Soc. Psychol. Education of Spanish-speaking children; educational and mental tests. Publ: Inter-American tests; Elementary statistics for teachers; Spanish-speaking children of the Southwest. Address: 1202 W. 22^{1/2} St, Austin, Tex. 78705.

MANUEL, PROF. MILTON L(LOYD), b. Havensville, Kans, Mar. 20, 19; m. 41; c. 3. AGRICULTURAL ECONOMICS. B.S. Kansas State, 41, M.S., 48; Ph.D. Minnesota, 52. Instr. AGR. ECON, KANSAS STATE, 45-48, asst. prof, 48-49, assoc. prof, 49-57, PROF, 57- U.S.A., 41-45, Capt. Agr. Econ. Asn. Agricultural marketing, particularly cooperative marketing. Publ: Co-auth, Competitive position of Kansas in marketing hogs, Competitive position of Kansas in marketing beef & Improving the management of Kansas grain cooperatives. Address: Dept. of Economics, Waters Hall, Kansas State University, Manhattan, Kans. 66502.

MANUS, DR. GERALD I(RWIN), b. New York, N.Y., Jan. 2, 24; m. 51; c. 2. PSYCHOLOGY. B.S.S. City Col. New York, 49, scholar. & M.A., 50; Ph.D., N.Y. Univ, 58. Supv. psychologist & counsr, Fedn. Handicapped, Inc, New York, 50-53; clin. psychologist, N.Y. State Rehab. Hosp. & State Depts. Health & Ment. Hyg, Marcy State Hosp, 53-57; supvr. rehab. psychol, Norristown State Hosp, State Dept. Pub. Welfare, Pa, 57-61, dir. psychol. serv, Pennhurst State Sch. & Hosp, 61-63; ASST. PROF. PSYCHOL, Villanova, 63-66; TEACHERS COL, COLUMBIA, 66- Private practice, 50-; Nat. Sci. Found. fel, California, Berkeley, 65. Consult, State Bur. Voc. Rehab, 57-; Montgomery County Sch. Physically Handicapped, 59- Psychol. Asn; Rehab. Asn; Personnel & Guid. Asn. Rehabilitation of the physically, mentally and emotionally disabled; training of psychologists; vocational maturation and psychological development. Publ: Co-auth, Study of the correlation between emotional reaction and peripheral blood circulation, Psychiat. Quart; Treat-

ment and training of the mentally retarded, Ment. Health News; auth, Marriage counseling: a technique in search of a theory, J. Marriage & Family, 11/66. Address: 800 Concourse Village, New York, N.Y. 10451.

MANVEL, ALLEN D(AILEY), b. Spokane, Wash, June 29, 12; m. 37; c. 2. STATISTICS. A.B., Occidental Col, 34; Chicago, 35-36; Littauer fel, Harvard, 39-40. Asst. supvr. res. & statist, State Dept. Finance, Ill, 38-40, acting state budget supvr, 42-43; admin. analyst, U.S. Bur. Budget, 43-46; chief govt. div, U.S. Bur. Census, 46-61; res. assoc, Adv. Cmn. Intergovt. Rele, 61-62; chief govt. div, U.S. Bur. Census, 62-67; ASSOC. STAFF DIR, NAT. CMN. URBAN PROBS, 67- Dir. res. Ill. Agr. Asn, 51-52; lectr, George Washington, 44-48. Consult, State Reorgn. Cmn, Ill, 50; fiscal div, UN, 52-53. Statist. Asn. Public finance; state and local government. Publ: State aid to schools in Illinois. Address: 6221 Western Ave. N.W., Washington, D.C. 20015.

MANWARDING, DR. DAVID R, b. Ann Arbor, Mich, Feb. 14, 33; m. 58; c. 2. POLITICAL SCIENCE. B.A., Michigan, 53, M.A., 54; Knapp, Kohler & univ. fels, Wisconsin, 54-57, Ph.D.(polit. sci), 59; fel, Brookings Inst, 57-58. Instr. POLIT. SCI, Brown, 58-61; asst. prof, Hobart & William Smith Colls, 61-65, ASSOC. PROF, 65-67; BOSTON COL, 67- Polit. Sci. Asn. American constitutional law, especially civil liberties; defendants' rights; church-state relations. Publ: Render unto Caesar, Univ. Chicago, 62; California and the 4th amendment, Stanford Law Rev, 64. Address: Dept. of Political Science, Boston College, Chestnut Hill, Mass. 02167.

MANWARDING, DR. MAX G, b. Nephi, Utah, Dec. 17, 32; m. 59; c. 3. POLITICAL SCIENCE. B.S.(polit. sci) & B.S.(econ), Utah, 59; Nat. Defense Ed. Act fel, Illinois, 63-64, M.A., 63; Ph.D.(polit. sci), 68; Fulbright-Nat. Defense Ed. Act fel, Brazil, 64-65. ASST. PROF. POLIT. SCI, WIS. STATE PLATTEVILLE, 65- U.S.A., 51-53, 59-61, Res, 61-, Capt. Polit. Sci. Asn. Comparative politics; international relations; Latin American politics; U.S. policy in Latin America; Brazilian foreign policy since Quadros. Publ: The military and Brazilian politics; The anatomy of violence in Colombia, Bull. Inst. Int. Develop. & Corp, 3/66. Address: Dept. of Political Science, Wisconsin State University, Platteville, Wis. 53818.

MANZANO, DR. ILUMINADO, b. P.I., Nov. 29, 09; nat; m. 53. PSYCHOLOGY, STATISTICS. B.S., Washington (Seattle), 42; M.A., Chicago, 46; Ed.D., Southern California, 51. Instr. psychol, Philippines, 52-55; STATISTICIAN, QUAL. EVAL. LAB, U.S. NAVAL WEAPONS STA, 56- Statist. Asn. Tests and measurements; relation of personality adjustment to occupational interests. Address: 1901 Chestnut, Long Beach, Calif. 90806.

MANZARA, PROF. FREDERICK A, b. Chicago, Ill, Aug. 10, 29; m. 62; c. 5. MARKETING. B.A., Northwestern, 51; M.S., Illinois, 56, Ph.D.(bus. admin), 60. Instr. MKT, Detroit, 56-60, asst. prof, 60-62; assoc. prof, AKRON, 62-68, PROF, 68- Ford Found. study grant, workshop mkt. res, California, Berkeley, summer 63. Mkt. Asn. Study of the dynamics of consumer inventory build-up and the inter-relationships of durable goods. Publ: Contrib. Studies in the demand for consumer durables, Univ. California, 66. Address: 1211 W. Market St, Akron, Ohio 44313.

MAO, PROF. JAMES C(HO) T(ING), b. Shanghai, China, Nov. 3, 25; nat; m. 55; c. 2. ECONOMICS, BUSINESS FINANCE. B.S. St. John's (China), 46; M.B.A., Northwestern, 50, Ph.D., 54. Instr. econ, Col. Wooster, 52-54; FINANCE, sch. bus. admin, Michigan, 54-56, asst. prof, 56-59, assoc. prof, 59-64, PROF, 64-67; BRITISH COLUMBIA, 67- Vis. assoc. prof, California, Berkeley, 63-64; Nat. Sci. Found. sr. fel, 65-66. Summers, Nelson fel, 60; consult, Int. Coop. Admin, 61. Econ. Asn; Finance Asn; Inst. Mgt. Sci. National income and monetary policy; economics of consumer installment credit; residential mortgage financing; economic and business forecasting; taxation and rapid industrialization; quantitative analysis of corporate financial decision; benefit-cost analysis of public investments. Publ: Co-auth, Consumer installment credit and public policy, Univ. Michigan; auth, Efficiency in public urban renewal expenditures through capital budgeting, Univ. California, 66; National income and monetary policy. Address: Faculty of Consumer & Business Administration, University of British Columbia, Vancouver 8, B.C., Can.

MAO, DR. JEFFREY Y, b. Shanghai, China, Apr. 18, 16; U.S. citizen; m. 42; c. 1. POLITICAL SCIENCE. B.A. Cent. Polit. Inst, Chungking, 39; M.A., Ottawa (Ont), 43; M.A., Harvard, 47; Ph.D.(int. rels), Chicago, 58. Instr. Chinese, Carleton Col.(Ont), 43-44; asst. prof. POLIT. SCI, Cent. Col. (Iowa), 57-61, ASSOC. PROF, 61-62; WITTENBERG, 62- Ford Found. award, Am. Polit. Sci. Asn. Regional Seminar Polit. Sci. of 1960's, Univ. Wisconsin, 60; summers, Danforth Found. fel, Mich. State, 60, hist. dept, Univ. Ill-Am. Asn. Mid. East. Studies, Summer Inst. Mid. East. Studies, 61, Cincinnati Coun. World Affairs study fel, Japan, Taiwan, & Hong Kong, 61. Secy. Chinese del, Far East. Cmn, 45-46; UN Gen. Assembly, 46-47; adv. Chinese del, Int. Civil Aviation, Orgn, 47; consul, Repub. China, Houston, Tex, 50-55. Polit. Sci. Asn. International relations; American national government; Asian governments; methodology in political science; principle of sovereign equality in the United Nations; cultural revolution in China. Publ: The Berlin-Rome-Tokyo axis in World War II, Cheng Chung Pub, 38. Address: Dept. of Political Science, Wittenberg University, Springfield, Ohio 45501.

MAPES, DR. CARL HERBERT, Geog, see 10th ed, Soc. & Behav. Vols, deceased 67.

MAPLES, DR. ERNEST GORDON, JR, b. Huntsville, Ala, Sept. 30, 41; m. 63; c. 2. PSYCHOLOGY. B.A., Southwestern at Memphis, 63; M.A., Memphis State, 64; Ph.D.(psychol), Mississippi, 67. Res. assoc. child psychol, Mississippi, 64-66; ASST. PROF. PSYCHOL, NORTHEAST LA. STATE COL, 67. Experimental child psychology, especially childhood learning. Address: Dept. of Psychology, Northeast Louisiana State College, Monroe, La. 71201.

MAPLES, DR. WILLIAM R(OSS), b. Dallas, Tex, Aug. 7, 37; m. 58; c. 2. PHYSICAL ANTHROPOLOGY. B.A., Texas, 59, M.A., 62, Ph.D.(anthrop), 67. Mgr, Darajani Primate Res. Center, Kenya, Br. Southwest Found.

Res. & Ed, San Antonio, Tex, 62-63, mgr, Southwest Primate Res. Center, Nairobi, 64-66; ASST. PROF. PHYS. ANTHROP. Western Michigan, 66-68; FLORIDA, 68- Faculty res. grant, 68. Asn. Phys. Anthropol. Anthropol. Asn. Comparative osteology of American Indians; baboon taxonomy and troop composition; intraspecific variation of primates; primate pathology. Publ: Co-auth. A preliminary report on classification of the Kenya baboon & Body, heart, left and right ventricular, left ventricular free wall, right ventricular wall, and septum weights and ratios in the baboon, In: The baboon in medical research, Vol. II, Univ. Texas, 67. Address: Dept. of Anthropology, University of Florida, Gainesville, Fla. 32601.

MAPSTONE, DR. JAMES REBOK, b. Uniontown, Pa, Apr. 11, 32; m. 57; c. 4. SOCIOLOGY. B.A., Pa. State, 54, M.S. 62; B.D. Pittsburgh Theol. Sem, 58; Ph.D.(demog), Australian Nat. Univ, 67. Pastor, United Presby. Church, 58-60; ASST. PROF. SOCIOL. Laurentian Univ, 66-68; BOWLING GREEN STATE, 68- Am. Sociol. Asn; Rural Sociol. Soc; Can. Sociol. & Anthropol. Asn; Sociol. Asn. Australia & N.Z. Address: Dept. of Sociology, Bowling Green State University, Bowling Green, Ohio 42102.

MARADIE, DR. LOUIS J(OSEPH), b. Hartford, Conn, Feb. 9, 28; m. 54; c. 1. PSYCHOLOGY. B.A., Trinity Col.(Conn), 51; M.S. Kentucky, 52, U.S. Pub. Health Serv. fel, 54-55, Ph.D.(psychol), 55. Psychologist, Dade County Bd. Instr, Fla, 55-56; CLIN. PSYCHOLOGIST, 56- Consult, Pine Cove Sch. Found, Inc, 59-; United Cerebral Palsy Asn, 55; Nat. Sci. Found. res. proj, 64-; South Miami Hosp, 67- Dipl. Am. Bd. Exam. Prfnl. Psychol, 66. U.S.N, 46-48. Psychol. Asn. Education of emotionally disturbed children; adult psychotherapy; Rorschach test interpretation; relationship between personality variables and the incidence and duration of post-concussion syndrome. Publ: Incidence of psychopathy in a group of prisoners, Arch. Criminal Psychodynamics; Goal-spurt hypothesis and the Rorschach test, J. Consult. Psychol; Differential diagnosis between post-concussion syndrome and neuroses by use of Rorschach content analysis, J. Neuropsychiat. Address: 627 S.W. 27th Ave, Miami, Fla. 33135.

MARANDA, DR. PIERRE, b. Que, Can, Mar. 27, 30; m. 63; c. 2. SOCIAL ANTHROPOLOGY, ETHNOLOGY. B.A. Laval, 49; M.A. Montreal, 53; L.Ph. Col. Immaculate Conception, 55; M.A. Harvard, 66, Ph.D.(anthrop), 66. Asst. prof. classics, Col. Garnier, Univ. Laval, 55-58; tutor anthrop, HARVARD, 64-66, FEL. OCEANIC ETHNOL, 66- Fourth pilot res. grant, lab. soc. rels, Harvard, 64-; Harvard Univ. Milton Fund res. grant; anthrop, 66-67; Nat. Insts. Health fel. & res. grant, 66-68; assoc. prof. Ecole Pratique des Hautes Etudes, Paris, France, 68. Fel. AAAS; fel. Anthropol. Asn. Computer research in semantic analysis; social structure. Publ: Co-auth. Structural models in folklore, Midwest Folklore, 62 & 2nd ed, Indiana Univ, 66; French kinship: structure and history, Mouton, The Hague, (in press); Note sur l'élément de parenté, Anthropos, 63. Address: Peabody Museum, Harvard University, Cambridge, Mass. 02138.

MARANELL, PROF. GARY M(ICHAE), b. Hartley, Iowa, Sept. 15, 32; m. 54; c. 4. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A., Iowa, 55, M.A., 57, Ph.D. (sociol, soc. psychol), 59. Asst. soc. sci, Iowa, 56-57, instr. sociol, 57-59; asst. prof. sociol. & anthrop, Arkansas, 59-63; SOCIOL. KANSAS, 63-67, ASSOC. PROF, 67- Fel. Sociol. Asn. Methodology; statistics; social psychology. Publ: Correlates of bigotry, Social Forces, 66; Stratification in a small town, Sociol. Quart, 66. Address: Dept. of Sociology, University of Kansas, Lawrence, Kans. 66044.

MARBERRY, PROF. CHARLES E(DWARD), b. Carbondale, Ill, Sept. 2, 22; m. 43; c. 2. ECONOMICS, FINANCE. A.B. Illinois, 48, fel. & Ph.D.(econ), 52; M.A. Stanford, 50. Asst. Illinois, 49-51; ASSOC. PROF. econ, Arkansas, 52-57; Delaware, 57-59; FINANCE, IOWA, 59- U.S.A.A.F. 41-45. Econ. Asn; Finance Asn. Capital markets; business financial planning; evaluation of social impact of the corporation. Address: Dept. of Business Administration, University of Iowa, Iowa City, Iowa 52240.

MARBLE, PROF. DUANE F(RANCIS), b. Seattle, Wash, Dec. 10, 31; m. 57; c. 1. ECONOMIC GEOGRAPHY. B.A. Washington (Seattle), 53, M.A., 56, Ph.D.(econ. geog), 59. Asst. prof. real estate, Oregon, 59; regional sci, Wharton Sch, Pennsylvania, 60-63; assoc. prof. GEOG, NORTHWESTERN, 63-67, PROF, 67-, ASSOC. DIR. ACAD. AFFAIRS, TRANSPORTATION CENTER, 67- Summers, res. asst. prof, Washington, 60; transportation center, Northwestern, 61. AAAS; Asn. Am. Geog; Opers. Res. Soc; Asn. Comput. Mach; Regional Sci. Asn.(secy, 61-64). Transportation systems; individual travel behavior; computer simulation of the spatial diffusion process. Publ: Co-auth. Studies of highway development and geographic change & A prolegomena to the forecasting of transportation development, Transportation Center, Northwestern, 65; auth. Some computer programs for geographic research, Northwestern, 67. Address: Dept. of Geography, Northwestern University, Evanston, Ill. 60201.

MARBLE, PROF. GEORGE D, b. Ashland, Ohio, July 3, 14; m. 42; c. 2. ECONOMICS. B.A. Ashland Col, 40; M.Ed. Pa. State, 58. Instr. ECON. & BUS. LAW, ASHLAND COL, 55-57, asst. prof, 57-59, ASSOC. PROF, 59-A.U.S., 41-45. Econ. Asn. Economic education. Address: Dept. of Economics, Ashland College, Ashland, Ohio 44805.

MARBLE, PRES. SAMUEL D(AVEY), b. Mitchell, S.Dak, Nov. 15, 15; m. 47; c. 3. POLITICAL SCIENCE. A.B. New Mexico, 37; A.M. Syracuse, 39, Ph.D., 41; cert. Columbia, 43; LL.D. Cedarville Col, 51. Part-time dean men & adv, Syracuse, 37-41; procedure analyst, Off. Civilian Supply, 41-42; assoc. secy. for serv. sect, Am. Friends Serv. Cmt, 42-46; prof. polit. sci, W.Va. Wesleyan Col, 46-47; pres, Wilmington Col, 47-59; PROF. POLIT. SCI. & PRES. Delta Col, 61-65; SAGINAW VALLEY COL, 65- Polit. Sci. Asn; Acad. Polit. Sci. Employee service rating; training for international service; guide to public affairs organizations. Address: Saginaw Valley College, University Center, Mich. 48710.

MARBURG, PROF. THEODORE F(RANCIS), b. New York, N.Y., Jan. 12, 14; m. 50; c. 2. ECONOMICS. B.A. Antioch Col, 36; fel. & M.A. Clark, 37, Ph.D.(econ), 42; summers, Columbia, 38, 56; Minnesota, 58. Instr. econ, Worcester Polytech, 38; Nebraska, 38-42; assoc. economist, U.S. Bur.

Labor Statist, 42-43; consultant bus. hist, Scovill Mfg. Co, 43-45; economist, Southeast. Forest Exp. Station, U.S. Forest Serv, 45-46; from instr. to asst. prof, Princeton, 46-50; prof. econ, Hamline, 50-57, head dept. econ. & bus. admin, 54-57; PROF. ECON, MARQUETTE, 57-, acting dir, Inst. German Affairs, 61-62. Staff mem, Hill Found Area Study, 56-57. AAAS; Econ. Asn; Mkt. Asn; Econ. Hist. Asn.(secy, 62-). Business and economic history; economic growth and development; anti-trust and cartel policy. Publ: Small business in brass fabricating, N.Y. Univ. Press, 56; co-auth. The economic basis of American civilization, Crowell, 68; auth. Government and business in Germany, Bus. Hist. Rev, spring, 64. Address: Marquette University, Milwaukee, Wis. 53233.

MARCH, DR. ANDREW L(EE), b. New Haven, Conn, Oct. 14, 32; m. 54; c. 3. GEOGRAPHY. B.A. Swarthmore Col, 53; M.A. Syracuse, 59; Ph.D.(geog), Washington (Seattle), 64. Instr. GEOG, Ohio State, 63-64; ASST. PROF, COLUMBIA, 64- U.S.N, 54-58, Lt.(jg). Asn. Am. Geog; Am. Geog. Soc; Asn. Asian Studies. Chinese geographic thought; geographic theories about China. Publ: Self and landscape in Su Shih, J. Am. Oriental Soc, 10-12/66; An appreciation of Chinese geomancy, J. Asian Studies, 2/68. Address: Dept. of Geography, East Asian Institute, Columbia University, New York, N.Y. 10027.

MARCH, DEAN JAMES G(ARDNER), b. Cleveland, Ohio, Jan. 15, 28; m. 47; c. 4. BEHAVIORAL SCIENCE. B.A. Wisconsin, 49; Cowles fel. Yale, 49-52, M.A., 50, Soc. Sci. Res. Coun. fel, 52-53, Ph.D.(polit. sci), 53. Sr. res. fel. admin, Carnegie Inst. Tech, 53-55, asst. prof. indust. admin, 55-57, assoc. prof, 57-62, prof, 62-64; PROF. PSYCHOL. & SOCIOL. & DEAN SCH. SOC. SCI, CALIFORNIA, IRVINE, 64- Fel. Center Adv. Study Behav. Sci, 55-56; Ford Faculty res. fel, 61-62. Consult. mem, Soc. Sci. Res. Coun. Cmt, 57-60; consult, adv. panel sociol. & soc. psychol, Nat. Sci. Found, 64-66; soc. sci. training rev. cmt, behav. sci. training br, Nat. Inst. Mental Health, 67-71. U.S.A., 46-48. Polit. Sci. Asn; fel. Sociol. Asn; Psychol. Asn; Econ. Asn. Organization and influence theory; poliometrics. Publ: Co-auth. Organizations, Wiley, 58 & A behavioral theory of the firm, Prentice-Hall, 63; ed, Handbook of organizations, Rand McNally, 65. Address: School of Social Sciences, University of California, Irvine, Calif. 92664.

MARCHES, DR. JOSEPH R, b. Chisholm, Minn, Oct. 5, 22; m. 48. PSYCHOLOGY, SOCIOLOGY. B.A. Minnesota, 52; M.A. Maryland, 53, Ph.D.(sociol, psychol), 62. Instr. sociol, Maryland, 53-54 & 56-62; soc. scientist, Md-Nat. Capital Park & Planning Cmn, 54-56; sociologist, North. Va. Ment. Health Proj, 62-63; ment. health res, extramural grants prog, NAT. INST. MENT. HEALTH, 63-65, prog. analyst juvenile delinquency, res. utilization br, 65-66, CHIEF RES. PROJ. SECT, CENTER EPIDEMIOL. STUDIES, 67- U.S. Pub. Health Serv. award superior work performance, 67. U.S.A., 42-45; U.S.P.H.S., 63-, Comdr. Sociol. Asn; Pub. Health Asn. Health stress research; social psychology; human ecology; statistical methods; urban sociology; social stratification; determinants of human behavior; personality development; neighborhood surveys. Publ: Co-auth. The effect of residential propinquity on marriage selection, Am. J. Sociol, 5/53; auth. An empirical study of performance in mathematics and performance on selected entrance exams, J. Ed. Res, 1/60; co-auth. The zone of invisibility in community mental health, J. Clin. Psychol, 4/66. Address: National Institute of Mental Health, 5454 Wisconsin Ave, Chevy Chase, Md. 20203.

MARCHETTI, DR. PIETRO V(ALDO), b. Richmond, Va, Apr. 16, 19; m. 61; c. 4. SOCIAL PSYCHOLOGY. A.B. Richmond, 39; M.Sc. Rutgers, 41; Ph.D. (psychol), California, Los Angeles, 48. Asst. prof. psychol, Illinois, 48-55; res. officer, U.S. INFO. SERV, 55-61, regional res. officer, 61-66, CHIEF LATIN AM. DIV. OFF. POLICY & RES, 66- U.S.N.R. 42-46, Lt. Psychol. Asn; Sociol. Asn; World Asn. Pub. Opinion Res. Opinion and attitude measurement in international relations and industrial relations. Address: 4149 Old Columbia Pike, Annandale, Va. 22003.

MARCIA, DR. JAMES E, b. Cleveland, Ohio, Feb. 10, 37; m. 61; c. 2. PSYCHOLOGY. B.A. Wittenberg, 59; M.A. Ohio State, 61, Ph.D.(psychol), 64. Instr. PSYCHOL, Hiram Col, 63-64; asst. prof, STATE UNIV. N.Y. BUFFALO, 64-67, ASSOC. PROF, 67-, DIR. PSYCHOL. CLIN, 68- Consult. Proj. Headstart, 65; Proj. Rescue, pub. schs, N.Y., 66; Opportunities Develop. Corp, 66-67; Proj. Seek, State Univ. N.Y. Col. Buffalo, 67- Psychol. Asn. Construct validity of ego psychoanalytic theory; alternative interpretations of results of behavior therapies; social psychology of the psychological experiment. Publ: Development and validation of ego identity status, J. Personality & Soc. Psychol, 66; Ego identity status: relationship to change in self-esteem, general maladjustment and authoritarianism, J. Personality, 67; co-auth. The treatment of fears by expectancy manipulation, Proc. Am. Psychol. Asn, 67. Address: Dept. of Psychology, Townsend Hall, State University of New York at Buffalo, Buffalo, N.Y. 14214.

MARCO, DR. PHILIP J(OSEPH), b. Boston, Mass, Sept. 20, 14. PSYCHIATRY. A.B. Boston Col, 38; M.D. Middlesex, 43; M.D. Missouri, 66. Dir. outpatient dept, Malcolm Bliss Hosp, St. Louis, Mo, 59-61; instr. PSYCHIAT, med. sch, Washington (St. Louis), 60-61; asst. prof. MED. CENTER, MISSOURI, COLUMBIA, 61-66, ASSOC. PROF, 67-, DIR. OUTPATIENT DEPT, 61-, psychiat. consult, 61-64. Med.C. U.S.N.R., 45-47, Lt. Comdr. Psychopharmacology; epidemiology of suicides in Missouri; natural history of depression; psychomatic aspects of carcinoid syndrome; psychosocial study of graduate student syndrome. Address: Dept. of Psychiatry, University of Missouri Medical Center, Columbia, Mo. 65201.

MARCOUX, PROF. DALE C, b. Havensville, Kans, Nov. 30, 07; m. 50. ECONOMICS. B.S. Kansas, 29, M.B.A., 37; Ph.D.(econ), Minnesota, 53. Instr. econ, WASHBURN, 39-41, asst. prof, 41-47, assoc. prof, 47-53, PROF. ECON. & HEAD DEPT. ECON. & BUS. ADMIN, 53- U.S.N.R., 43-46, Lt. Econ. Asn. Public finance; economic theory. Address: 3204 W. 21st St, Topeka, Kans. 66604.

MARCSON, DR. SIMON, b. Winnipeg, Man, Oct. 8, 10; U.S. citizen. SOCIOLOGY. A.B. Chicago, 36, A.M., 41, Ph.D., 50. Asst. prof. sociol, Pa. State, 42-46; lectr. anthrop. & sociol, Queens Col.(N.Y.), 46-51; Brooklyn Col, 51-55; ASSOC. PROF. SOCIOL, RUTGERS, 55- Vis. prof, Temple, 49; Wayne

State, 50; soc. affairs officer, pop. div, UN, 51; exec. secy. & univ. seminar assoc, Columbia, 54-62, grant, sci. res, 55; res. assoc. indust. rels. sect, Princeton, 58-61; U.S. Off. Ed. grant, 61-64; Nat. Sci. Found. grant, 62-63; NASA grant, 63-66. Consult, Am. Coun. Ed, 45; Nat. Acad. Sci, 65-66. Mem, Cmn. on Efficiency & Econ. in State Govt, N.J., 66-; Cmn. on State Aid Ed, N.J., 66- Fel. AAAS; fel. Sociol. Asn; fel. Soc. Appl. Anthropol; fel. Anthropol. Asn. Industrial sociology; science and technical manpower. Publ: Scientist in American industry; Scientists in government, NASA, 66; Organization and authority in industrial research, Soc. Forces, 61 & Indust. Soc, 67. Address: Dept. of Sociology, Rutgers University, New Brunswick, N.J. 08540.

MARCUM, PROF. JOHN ARTHUR, b. San Jose, Calif, Aug. 21, 27. POLITICAL SCIENCE. A.B. Stanford, 49, Ph.D., 55; M.A., Columbia, 51; Fulbright fel. Paris, 52-54. Instr. polit. sci, Colgate, 55-57, asst. prof, 57-61; PROF. POLIT. SCI. & DIR. AFRICAN PROG, LINCOLN (PA), 61- Grants, Ford Found. French West & Equatorial Africa, 58-59, Fulbright-Hays, 66-67. Vis. lectr, Pennsylvania, 62-63; Syracuse, summers, 65-66. U.S.N.R., 45-46. Polit. Sci. Asn; African Studies Asn. African interstate relations and regional international organization; Pan-Africanism; rationalism in Portuguese Africa; United States policy and Africa. Publ: Co-auth. Force: it's thrust and prognosis, In: South. Africa in transition, Praeger, 66; auth, Southern Africa and United States policy: a consideration of alternatives, Africa Today, 10/67; Three revolutions, Africa Report, 11/67. Address: African Program, Lincoln University, Pa. 19352.

MARCUS, DR. BURTON HERBERT, b. Jamaica, N.Y., May 27, 34. CONSUMER BEHAVIOR. MARKETING. B.A. Queens Col.(N.Y.), 56; M.A., Syracuse, 57; Ph.D.(mkt), Northwestern, 65. Asst. prof. mkt, E.Carolina, Col, 62; lectr. mkt. & mgt, Ill. Inst. Tech, 62-66, ASST. PROF, 66; MKT. SOUTHERN CALIFORNIA, 66- Consult, Chicago Firms, 66; U.S. Dist. Court, Cent. Dist, Calif, 66-; Los Angeles companies, 66- U.S.A., 58-59. Mkt. Asn; Psychol. Asn. Imagery; government marketing; management organization-systems. Publ: Market and product differentiation of selected magazines, Am. Mkt. Asn, 65; co-auth. Study of the clerks office, U.S. District Court, Central District in California, Univ. Southern California, 67; auth. Are you ready to be V.P. of purchasing, Chicago Purchaser, 6/66. Address: School of Business, Dept. of Marketing, University of Southern California, University Park, Los Angeles, Calif. 90007.

MARCUS, PROF. EDWARD, b. Brooklyn, N.Y., Apr. 29, 18; m. 56. ECONOMIC. B.S., Harvard, 39, M.B.A., 41; King's Col. Cambridge, 46-47; Ph.D. (econ), Princeton, 50. Economist, div. int. finance, Fed. Res. Bd, 50-52; from asst. prof. to assoc. prof. ECON. BROOKLYN COL, 52-61, PROF, 61-, CHMN. DEPT, 66- Merrill Found. grant, 53-; Vis. assoc. prof, grad. sch. bus. admin, N.Y. Univ, 60-61; vis. prof, Maxwell Center, Syracuse, 61. Consult, Ira Haupt & Co, 55-58; W.R. Grace & Co, New York, 64- U.S.A., 41-42; U.S.C.G., 42-46. Comdr. Am. Econ. Asn; Finance Asn; Can. Polit. Sci. Asn; Royal Econ. Soc. Money and banking; investments; international trade. Publ: Co-auth. Investment and development possibilities in tropical Africa, International trade and finance, 65 & Monetary and banking theory, 65, Pitman. Address: 434 E. 52nd St, New York, N.Y. 10022.

MARCUS, DR. IRWIN M(ELVIN), Psychiat, see 11th ed. Phys. & Biol. Vols.

MARCUS, DR. IRWIN MURRY, Mod. U.S. Hist, see 5th ed, Dir. Am. Scholars, Vol. I. Hist.

MARCUS, DR. MELVIN M(AURICE), b. Benton Harbor, Mich, June 4, 24. POLITICAL SCIENCE. A.B. Michigan, 47, M.A., 48, univ. fel, 48-51, Ph.D. (polit. sci), 59; London Sch. Econ, 46. For. serv. officer, bur. int. orgn. affairs, U.S. Dept. State, 56-60; asst. prof. polit. sci. & dir. Falk Found. Prof. Am. Polit. & Citizenship, Bethany Col, 60-61; assoc. dir. develop, Johns Hopkins Fund, Homewood House, 61-66; CONSULT. & PROG. DIR. FRANTZREB & PRAY ASSOC, INC, 66- Consult, for. policy res. inst, Pennsylvania, 58-60; Upper Ohio Valley Redevelop. Coun, Inc, 60-61. U.S.A., 43-46. Polit. Sci. Asn; Soc. Int. Law. International law, organization and relations; American government and politics; Russian history. Address: Frantzreb & Pray Associates, Inc, 60 E. 42nd St, New York, N.Y. 10017.

MARCUS, DR. M(ILTON) J(OHN), b. Brooklyn, N.Y., July 12, 24; m. 49; c. 4. ENGINEERING PSYCHOLOGY. B.S., Columbia, 51, A.M., 53, Ph.D.(exp. psychol), 56, fel, 66-67, M.B.A., 68. Intern psychol, N.Y. Psychiat. Inst, 52-54; unit chief human factors lab, Rome Air Develop. Center, 54-57; assoc. psychologist, Int. Bus. Mach. Corp, 57-58, mgr. maintainability eng. dept, 58-61, maintainability & anal. design eng, Fed. Sys. Div, 61-62; reliability & serviceability, World Trade Corp, 62-65; Harrison Staff, European Labs, SYSTS. DEVELOP. DIV, INT. BUS. MACH. CORP, 65-66, MGR. SYSTS. STRATEGY, 67- C.Eng, U.S.A., 43-46, Res, 46-51. Psychol. Asn; Nat. Planning Asn. Maintainability of electronic equipment; perceptual and motor capabilities of humans. Publ: Factors influencing two fundamental decisions in planning the maintainability of a complex electronic system; An engineering management view of the maintainability problem. Address: 21 Paddock Rd, Port Chester, N.Y. 10573.

MARCUS, DR. MURRAY, b. Brooklyn, N.Y., Dec. 18, 26; m. 53; c. 3. CLINICAL & EDUCATIONAL PSYCHOLOGY. A.B., Brooklyn Col, 50; M.A., Denver, 53, Ph.D., 56. Teacher & sch. psychologist, Jefferson County Sch. Dist, Colo, 53-55; clin. psychologist, Upper Miami Valley Guid. Center, State Dept. Ment. Hyg. & Correction, Ohio, 55-56, Columbus Psychiat. Clin, 56-59; chief clin. psychologist, Clark County Sch. Dist, Nev, 59-62; clin. psychologist, Deter Psychiat. Clin, Nev, 62-64; CLIN. PSYCHOLOGIST & ADMINSTR, LAS VEGAS SPEC. CHILDREN'S CLIN, NEV. STATE HEALTH DEPT, 64- Private practice, 57- Consult, adolescent clin, Children's Hosp, Columbus, Ohio, 58-59. Psychol. Asn. Psychotherapy; personality relationship to remedial reading and speed of reading; sensory deprivation. Address: 545 Canosa Ave, Las Vegas, Nev. 89105.

MARCUS, PROF. SUMNER, b. New Brunswick, N.J., Sept. 23, 12; m. 38. BUSINESS ADMINISTRATION, LAW. A.B., Harvard, 31, M.B.A., 33, LL.B., 36; D.B.A., Washington (Seattle), 58. Attorney & field exam, Nat. Labor Rel.

Bd, 38-42; assoc. counsel, price adjust. bd, bur. ships, U.S. Dept. Navy, 46-48, counsel, Navy Div, Armed Serv. Renegotiation Bd, 48-51, asst. gen. counsel, Renegotiation Bd, 51-53; PROF. BUS. & ITS ENVIRON, WASHINGTON (SEATTLE), 55-, Ford Found. faculty res. fel, 60-61, assoc. dean, grad. sch. bus. admin, 64-66. Vis. assoc. prof, grad. sch. bus, Stanford, 61; vis. prof, Amos Tuck Grad. Sch. Bus. Admin, 65. Econ. Asn. Government and business; business and its environment; antitrust. Publ: Competition and the law, Wadsworth, 67; co-auth. Defense procurement and small business; Appropriate public policy for renegotiation, In: Procurement and profit renegotiation. Address: Graduate School of Business Administration, University of Washington, Seattle, Wash. 98105.

MARCUSE, PROF. F(REDERICK) L(AWRENCE), b. Montreal, Que, Dec. 5, 16; c. 4. PSYCHOLOGY. B.A. Queen's (Can), 38, Milligan fel, 39-40, M.A., 40; Sage fel, Cornell, 40-41, Ph.D.(psychol), 42. Asst. PSYCHOL, Cornell, 41-43, instr, 43-46, asst. prof, 46-50; assoc. prof, WASHINGTON STATE, 50-58, PROF, 58- Mem, Am. Bd. Exam. Psychol. Hypnosis. Psychol. Asn; Acad. Psychother; Soc. Clin. & Exp. Hypnosis; Brit. Soc. Med. Hypnosis. Experimental psychopathology; projective techniques; hypnosis. Publ: Hypnosis, fact and fiction; Gentleman's agreement in science, Sch. & Soc; Responses of children to human and to animal pictures, J. Proj. Tech. Address: Dept. of Psychology, Washington State University, Pullman, Wash. 99163.

MARCUSE, PROF. HERBERT, Polit. Sci, Sociol, see 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

MARCUSE, DR. WILLIAM, b. Fairfield, Conn, Aug. 4, 24; m. 46; c. 2. ECONOMIC. B.A., Connecticut, 47, M.A., 48; Ph.D.(econ), Columbia, 56. Instr. econ, Connecticut, 48-57; opers. analyst, opers. eval. group, Mass. Inst. Tech, 57-61; economist, MITRE CORP, 61-62, sub dept. head, 62-66, ASSOC. DEPT. HEAD SYSTS. ANAL, 66- U.S.A., 44-46, Capt. Econ. Asn; Economet. Soc; Opers. Res. Soc. Military resource allocation problems; operations research; econometrics; economic analysis; balancing command and control with weapon systems in force structure determination. Address: 17 Douglas Rd, Lexington, Mass. 02173.

MARCY, DR. CARL M(ILTON), b. Fall City, Ore, June 11, 13; m. 34; c. 2. INTERNATIONAL RELATIONS, LAW. A.B., Willamette, 34; LL.B., Columbia, 39, Ph.D., 41. Instr. govt. City Col. New York, 40-42; asst. legal adv, legislative counsel, U.S. Dept. State, 48, CHIEF STAFF, CMT. FOR. RELS, U.S. SENATE, 49- Publ: Presidential commissions; Proposals to revise the United Nations. Address: 2600 S. Hayes St. Arlington, Va. 22202.

MARDEN, PROF. CHARLES F(REDERICK), b. Newport, N.H., Apr. 17, 02; m. 30; c. 1. SOCIOLOGY. A.B., Dartmouth Col, 23; A.M., Columbia, 26, Ph.D., 35. Instr. SOCIOL, RUTGERS, 28-35, asst. prof, 35-57, assoc. prof, 62-64, prof, 65-67, EMER. PROF, 67- Vis. prof, Col. Holy Cross, 67-68. Reconciliation master, N.J. Superior Court, 57-60. Sociol. Asn. Minorities; family. Publ: Rotary and its brothers; co-auth. Minorities in American society, 2nd ed, Am. Book Co, 62, 3rd ed, 68. Address: Dept. of Sociology, Rutgers, The State University, New Brunswick, N.J. 08903.

MARDEN, DR. PARKER GRIMES, b. Worcester, Mass, Oct. 19, 38; m. 59; c. 2. SOCIOLOGY, DEMOGRAPHY. A.B., Bates Col, 61; A.M., Brown, 64, Ph.D.(sociol), 66. Res. assoc. sociol, Brown, 65-66; ASST. PROF. SOCIOL. & PROG. ASSOC. INT. POP. PROG, CORNELL, 66- Pop. Asn; Sociol. Asn. Fertility; analyses of historical populations; sociological medicine. Publ: A demographic and ecological analysis of distribution of physicians, Am. J. Sociol, 11/66; co-auth. Social correlates of weight in an aging population, Milbank Mem. Fund Quart, 4/67; auth. Motivating physicians to practice where needed, Physician's Panorama, 6/67. Address: Dept. of Sociology, Cornell University College of Arts & Sciences, Ithaca, N.Y. 14850.

MARDEN, DR. ROBERT HUMPHREY, Polit. Sci, see 10th ed, Soc. & Behav. Vols.

MARES, PROF. VACLAV E, b. Prague, Czech, May 11, 02; nat; m. 36; c. 3. ECONOMICS. State paedag. exam, Charles Univ, 23, Ph.D., 26; Sorbonne, Paris, 23-25; dipl. Sch. Polit. Sci, France, 25. Mgr. Steel & Cement Indust, Czech. & European Steel Cartel, 27-46; commercial counselor, Czech. Embassy, Wash, D.C., 46-48; asst. prof. ECON. PA, STATE, 48-52, assoc. prof, 52-62, PROF, 62- Docent, Sch. Mines, Czech. Foreign trade and industrial economics; history of industrial development in eastern and central Europe; location of industry. Address: Dept. of Economics, Pennsylvania State University, University Park, Pa. 16802.

MARETZKI, DR. THOMAS W(ALTER), b. Berlin, Germany, Sept. 3, 21; nat; m. 51. ANTHROPOLOGY. B.A., Hawaii, 51; Ph.D., Yale, 57. Instr. ANTHROP, Connecticut, 57-61; asst. prof, HAWAII, 61-63, assoc. prof, 63-67, PROF, 67-, CHMN. DEPT, 65- Field researcher, Pittsburgh, 60-61; assessment coordinator, Peace Corps Training, Hilo, Hawaii, 62-65, prin. investr, Peace Corps Impact Study, Philippines, 64-66; sr. specialist, Inst. Adv. Studies, East West Center, 65-66; consult. debriefing, Agency Int. Develop. Training, Far East Training Center, Univ. Hawaii, 66-67; co-prin. investr, culture & ment. health proj, Soc. Sci. Res. Inst, Nat. Inst. Ment. Health, 67- Fel. Anthropol. Asn; fel. Asn. Asian Studies; fel. Soc. Appl. Anthropol. Culture and personality; socialization, religion and health in Okinawa; impact of Peace Corps in the Philippines. Publ: Co-auth. Taira, an Okinawan village, Wiley, 66 & The Philippine Peace Corps survey, Soc. Sci. Res. Inst. Univ. Hawaii, in press. Address: Dept. of Anthropology, University of Hawaii, Honolulu, Hawaii 96822.

MARGARITIS, DR. STEPHEN C, b. Lowell, Mass, July 25, 16; m. 36; c. 2. SOCIOLOGY, PHILOSOPHY OF EDUCATION. B.A., Nat. Univ. Athens, 47; M.A., Southern California, 58, Ph.D.(ed), 63. Teacher, elem. pub. schs, Greece, 38-47; dir. St. Sophia Schs, Calif, 49-57; instr. high schs, Calif, 57-63; ASSOC. PROF. ED, WEST. WASH. STATE COL, 63- Instr, Jr. Col. Calif, 59-60; summers, lectr, Univ. Oregon, 65, workshop dir, Understanding Ourselves & Others, Lummi Indians & Univ. Utah-Bur. Indian Serv, 68. Greek Army, 39-41, 44-47, Capt. Comp. Ed. Soc; Philos. Ed. Soc; Sociol.

Asn. Higher and comparative education; sociology of education. Publ: Co-auth, Intellectual foundations of education, Crowell, 68; auth, New university dimensions in Greece, Improving Col. & Univ. Teaching, spring 64; Higher education in Greece, Int. Rev. Ed, Vol. X, No. 3. Address: Dept. of Education, Western Washington State College, Bellingham, Wash. 98225.

MARGET, DR. ARTHUR W(ILLIAM), Econ, see 10th ed, Soc. & Behav. Vols.

MARGETTS, DR. EDWARD L(AMBERT'), Med. see 11th ed, Phys. & Biol. Vols.

MARGOLIN, EDWARD, b. Atlantic City, N.J., Oct. 17, 12; m. 38; c. 2. TRANSPORTATION ECONOMICS. B.S. Temple, 35; Pennsylvania, 39-40; American Univ, 43-44. Transportation specialist, bur. fed. supply, U.S. Treasury Dept, 42-45; transportation economist, Bonneville Power Admin, 45-48; dir. carrier div. off. transportation, U.S. Dept. Commerce, 48-53, prog. coordinator, off. under secy. transportation, 53-59; DIR. BUR. ECON. INTERSTATE COMMERCE CMN, 59- Soc. Traffic & Transportation. Transportation, public utility, and water resources economics and administration; traffic management, market and area development and analysis; foreign trade. Publ: Evaluation of motor truck transportation; co-auth, Potential traffic on St. Lawrence Seaway & Transportation factors in the marketing of newsprint. Address: 8500 Freyman Dr, Chevy Chase, Md. 20015.

MARGOLIN, DR. EDYTHE, b. South River, N.J., Sept. 9, 20; m. 39; c. 2. SOCIOLOGY, EDUCATION. B.A. California, Los Angeles, 55, M.A., 59, Ed.D.(ed. sociol), 63. ASST. PROF. ED. California, Santa Barbara, 63-64; CALIFORNIA, LOS ANGELES, 64- Sociol. Asn; Acad. Polit. & Soc. Sci. Social structure and personality; socialization processes; culture and personality. Publ: Bibliography of the socialization processes of young children, J. Ed. Sociol, 1/63; Group context and concepts of social status, Sociol. & Soc. Res, 4/64. Address: 12013 Rose Ave, Los Angeles, Calif. 90066.

MARGOLIN, DR. JOSEPH B, b. Brooklyn, N.Y., Sept. 19, 21; m. 49; c. 2. PSYCHOLOGY. B.A., Brooklyn Col, 42; M.A., George Washington, 47; Ph.D. (psychol), N.Y. Univ, 54. Res. assoc. group ther. Wash. Sch. Psychiat, 48-49; instr. & res. assoc. dept. psychiat, sch. med, Hopkins, 49-51; res. consult, bur. ment. health serv, Domestic Rels. Court, N.Y., 51-54; community serv. br, Nat. Inst. Ment. Health, 54, res. psychologist, ment. health study center, 54-59, coordinator conf. studies, White House Conf. Children & Youth, 59-60, consult. prog. res. & eval, community serv. br, 60-65; asst. to assoc. cmnr. for res. & dir. lab. div. bur. res, U.S. Off. Ed, 65-66; DIR. ED. POLICY PROJ. & SR. STAFF SCIENTIST, PROG. POLICY STUDIES IN SCI. & TECH, GEORGE WASHINGTON, 67- Instr. Wash. Sch. Psychiat, 58-; prof. lectr, George Washington, 67- Admin. officer, Am. Psychol. Asn, 62- U.S.A. 42-45; U.S.P.H.S., 54-, Scientist Dir. Psychol. Asn; Sociol. Asn; Group Psychother. Asn. Group dynamics; social perception; attitude formation; mental health program development and research and evaluation; school mental health. Publ: Prospectus on research; ed, Children and youth in the 1960's, II Vols; auth, Education in the seventies, Ed. Policy Proj, George Washington Univ, autumn 67. Address: 205 Thistle Dr, Silver Spring, Md. 20901.

MARGOLIN, PROF. REUBEN J(OEL), b. Cambridge, Mass, May 7, 18; m. 47; c. 2. PSYCHOLOGY. A.B., Northeastern, 40; Idaho; M.A., Boston, 42; fel, Columbia, 48-50, Ed.D., 50. Exec. officer med. rehab. prog, Vet. Admin. Hosp, Brockton, Mass, 46-54, counseling psychologist & dir. mem. employee prog, 54-61; assoc. prof. soc. sci, NORTHEASTERN, 61-65, PROF. SOC. SCI. ED. & CHMN. DEPT, REHAB. & SPEC. ED, 65-, PROJ. DIR. NEW ENG. REHAB. RES. INST, 63- Action res. grant, Hood Found, 55-56. Consult, Brockton Area Ment. Health Assn, Mass, 56-; consult. psychologist, Vet. Admin. Hosp, Brockton, Mass, 61-; rehab. consult, Vet. Admin, 61-; consult, World Univ, San Juan, P.R. 64-; Inst. Behav. Sci, 66-; Mass. State Dept. Ment. Health, 67. Mem. adv. cmr, Mass. Higher Ed. Facilities Cmn, 66- Award, Nat. Conf. Christians & Jews, 60; Presidential Citation, 61. U.S.A., 42-45. Psychol. Asn; Asn. Rehab. Ther; Nat. Rehab. Asn; Coun. Except. Children; Pub. Health Assn. Mental health; rehabilitation; group development. Publ: Co-auth, Case conferences in education, Humphries, 61 & Maintenance therapy for geriatric patients, C.W. Thomas, 68; auth, The failure syndrome, Rehab. Record, 63. Address: 28 Halcyon Rd, Newton, Mass. 02159.

MARGOLIS, PROF. JULIUS, b. New York, N.Y., Sept. 26, 20; m. 42; c. 2. ECONOMICS, ENGINEERING. B.S.S. City Col. New York, 41; Ph.M., Wisconsin, 43; M.P.A. Harvard, 47, Ph.D.(econ), 49. Instr. econ, Tufts Col, 47-48; asst. prof. econ. & planning, Chicago, 48-51; econ, Stanford, 51-54; PROF. bus. admin, California, Berkeley, 54-64; ECON. & ENG. ECON. STANFORD, 64- Ford Found. res. prof, 58; Coun. res. prof, 61. Consult, Ford Found, 58-61; Bur. Budget, 61; Stanford Res. Inst. 67-68; Rand Corp, 67-68. U.S.A. 43-46. Econ. Asn; Royal Econ. Soc. Publ: Co-auth, The public economy of urban communities, 65 & the northern California's water industry, 66, Hopkins; auth, Public works and economic stability, J. Polit. Econ, 8/49. Address: Engineering-Economic Systems, Stanford University, Stanford, Calif. 94305.

MARGOLIUS, PROF. GARRY J(EROME), b. Paterson, N.J., June 21, 19; m. 48; c. 4. EXPERIMENTAL PSYCHOLOGY. B.A. Iowa, 47; M.A., Missouri, 49; Ph.D.(psychol), Washington State, 52. PROF. EXP. PSYCHOL, BOSTON, 52- U.S.A. 42-46. Psychol. Asn. Conditioning and learning. Address: 111 Cum-mington St, Boston, Mass. 02215.

MARGOSHES, DR. S(ANFORD) L(AWRENCE), b. New York, N.Y., Mar. 28, 28; m. 51; c. 3. ECONOMICS. A.B., Princeton, 48; M.B.A. Columbia, 50; Ph.D., N.Y. Univ, 60. Economist, Shell Oil Co, 53-61; MOBIL OIL CORP, 61-, ECON. COORDINATOR, IRANIAN OIL OPERATING COMPANIES, 68-4 head econ. & statist, 65-67. Lectr, City Col. New York, 60-64. Econ. Asn. Economics of the firm, especially problems of valuation and profitability measurement. Publ: Price/earnings ratio in financial analysis, 60, Present value techniques of common stock valuation, 61 & Profitability, probability and the modified present value profile, 68, Financial Analysts J. Address: Iranian Oil Operating Companies, P.O. Box 1065, Tehran, Iran.

MARGULES, DR. D(AVID) LAWRENCE, Physiol. Psychol, see Suppl. V to 11th ed, Phys. & Biol. Vols.

MARGULIES, DR. NEWTON, b. New York, N.Y., Feb. 19, 32; m. 59; c. 3. BE-HAVIORAL SCIENCE. B.C.E., Polytech. Inst. Brooklyn, 58; M.S., Mass. Inst. Tech, 60; Ph.D.(behav. sci), California, Los Angeles, 65. Asst. prof. mgt, San Fernando Valley State Col, 62-64; orgn. behav, Case Inst. Tech, 64-66; assoc. prof. mgt, Miami (Fla), 66-68; MEM. STAFF, TRW SYSTS, 68- Sig.C, U.S.A., 54-55. Technological obsolescence; organizational culture and its consequences; organizational development technology. Publ: Some factors in employee assimilation, Bus. Perspectives, spring 66; co-auth, Scientists, engineers, and technological obsolescence, Calif. Mgt. Rev, winter 67 & People in organizations—a case for team training, J. of ASTD, spring 68. Address: TRW Systems Group, One Space Park, Redondo Beach, Calif. 90278.

MARIMONT, MARTIN L, b. New York, N.Y., Oct. 12, 21; m. 51; c. 2. ECON-OMICS, STATISTICS. B.A., Brooklyn Col, 42. Economist soc. security progs, bur. res. & statist, Soc. Security Admin, 42-45; unemployment, ins. & financing, bur. employ. security, U.S. Dept. Labor, 45-47, statistician, bur. labor statist, 50-56; economist labor mkt. anal. State Employ. Serv, N.Y., 47-48; res. assoc. urban planning, City Planning Cmn, New York, 48-50; statistician indust. statist, U.S. Bur. Census, 56-59; economist & asst. to div. chief real output & interindust. econ, Nat. ECON. DIV. OFF. BUS. ECON, U.S. DEPT. COMMERCE, 59-64, DIV. CHIEF INPUT-OUTPUT & REAL PROD, 64- Silver medal, U.S. Dept. Commerce, 65. Mem. conf. res. income & wealth, Nat. Bur. Econ. Res, 63. Statist. Asn; Econ. Asn. Plan, direct and conduct research and analysis in input-output studies; industry production and prices; gross national product and related national economic accounts. Publ: GNP by major industries, comparative patterns of postwar growth, 10/62 & co-auth, The interindustry structure of the United States, 11/64, Surv. Current Bus; auth, Measuring real output for industries providing services—OBE concepts and methods, Nat. Bur. Econ. Res, 68. Address: Office of Business Economics, U.S. Dept. of Commerce, Washington, D.C. 20230.

MARIN, PROF. KENNETH J(AMES), b. Milwaukee, Wis, Oct. 14, 22; m. 47; c. 6. ECONOMICS. A.B., Aquinas Col, 47; A.M., Michigan, 48. Instr. ECON, St. Joseph's Col.(Ind), 48-52, ASST. PROF, 52-53; AQUINAS COL, 53-58, ASSOC. PROF, 58-, CHMN. DEPT, 59- Asst, Michigan, 51. Dir. Int. Coop. Training Center, Univ. Wisconsin, 61-; mem, Agency Int. Develop. Coop. Adv. Coun, Dept. State, 62-; President's Consumer Adv. Coun, 65-66. U.S.A.A.F., 43-45. Econ. Asn. Credit unions; social security, especially family allowances. Address: Dept. of Economics, Aquinas College, 1607 Robinson Rd. S.E., Grand Rapids, Mich. 49506.

MARINE, DR. CLYDE LOCKWOOD, b. Knoxville, Tenn, Dec. 25, 36; m. 58; c. 2. AGRICULTURAL ECONOMICS. B.S., Tennessee, 58; M.S., Illinois, 59; Ph.D.(agr. econ), Mich. State, 63. Res. asst, Mich. State, 60-63; sr. mkt. analyst, Pet Milk Co, 63-64; mkt. planning mgr, agr. chem. div, Mobil Chem. Co, 64-67; CORP. ECONOMIST, CENT. SOYA CO, INC, 67- U.S.A., 59-60, 1st Lt. Agr. Econ. Asn. Economic and marketing research; marketing of processed food products. Address: Central Soya Co, Inc, 300 Ft. Wayne Bank Bldg, Ft. Wayne, Ind. 46802.

MARINER, DR. ALLEN (SHAN), b. Newark, N.J., May 1, 25; m. 61. PSYCHI-ATRY. B.A., Swarthmore Col, 45; M.D., N.Y. Univ, 48. Private practice psy-chiat, 54-62; DIR, ONT. COUNTY MENT. HEALTH CENTER, 62- Clin. instr. State Univ. N.Y. Upstate Med. Center, 62-65. Consult. soc. agencies, Calif, 54-62. Dipl. Am. Bd. Psychiat. & Neurol, 55. U.S.N.R., 50-52, Res, 42-50 & 52-68, Lt. Comdr. Psychiat. Asn; Acad. Psychother. Psychother-apy; educational preparation for mental health work. Publ: Co-auth, Group psychiatric consultation with public school personnel, Personnel & Guid. J, 11/61; auth, The problem of therapeutic privacy, Psychiatry, 2/67; A critical look at professional education in the mental health field, Am. Psychol-ogist, 4/67. Address: West Lake Rd, Canandaigua, N.Y. 14424.

MARING, DR. JOEL MARVYL, Anthropol, Ling, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

MARINI, DR. FRANK, b. Melrose Park, Ill, June 18, 35; m. 60; c. 2. POLI-TICAL SCIENCE, PUBLIC ADMINISTRATION. B.A., Arizona State, 61, M.A., 62; fel, California, Berkeley, 64-66, Ph.D.(polit. sci), 66. Res. asst, League of Ariz. Cities & Towns, 59-61; Inst. Govt. Studies, 61-63; instr. POLIT. SCI, Missouri, Columbia, 63-64; ASST. PROF, Kentucky, 66-67; MAXWELL SCH, SYRACUSE, 67- Summer res. asst, inst. govt. studies, California, Berkeley, 64, 65 & 66. Managing ed, Pub. Admin. Rev, 67- U.S.A.F., 54-58. Soc. Pub. Admin. Democratic theory; bureaucratic theory; organization theory; systematic empirical theory of democratic politics. Address: Dept. of Political Science, Maxwell School, Syracuse University, Syracuse, N.Y. 13210.

MARION, DR. BRUCE WILBUR, b. Ithaca, N.Y., July 5, 32; m. 55; c. 3. AGRI-CULTURAL ECONOMICS. B.S. Cornell, 54, M.S., 55; Ph.D.(econ, food econ), Ohio State, 63. Mgr. trainee, Agway Coop, 57; area mkt. agent, coop. exten, Cornell, 58-59; exten. economist, coop. exten, OHIO STATE, 59-63, asst. prof. FOOD DISTRIBUTION, 63-67, ASSOC. PROF, 67- U.S.A., 55-57, 1st Lt. Agr. Econ. Asn; Mkt. Asn. Analysis of problems in food retailing and wholesaling firms, especially human behavior research and the application of scientific management techniques. Publ: Co-auth, Management labor relations in agricultural marketing industries, Bull. Ohio State Univ, 65, Ex-tension education with marketing firms: an analysis of the future, J. Farm Econ, 12/65 & Meat department labor requirements: a tool for improved retail management, Bull. Ohio Agr. Res. & Develop. Center, 6/66. Address: Dept. of Agricultural Economics, Ohio State University, 2120 Fyffe Rd, Co-lumbus, Ohio 43210.

MARION, DR. GERALD, b. Joliet, Que, Feb. 22, 31. ECONOMICS. B.A., Laval, 52; M.A., Montreal, 57; N.Y. Univ, 57-58; Columbia, 58-59; D.Sc. (econt), Paris, 63. ASST. PROF. ECON, MONTREAL, 59- Asst. univ. res. cmr, Labour Dept, Can, 60-62; gov, Labor Col. Can, 66- Am. Econ. Asn; Indust. Rels. Res. Asn; Royal Econ. Soc. Labor economics; research deal-

ings with the evolution of wage structure; economic theory. Publ: Functional income distribution, Univ. Montreal, 65; New anti-trust legislation, Indust. Rels. Rev; L'offre de travail et la disparité occupationnelle des salaires, L'Actualité Economique, 63. Address: Dept. of Economics, University of Montreal, C.P. 6128, Montreal, Que, Can.

MARION, DR. J(OHN) H(ITE), b. Muskogee, Okla, Apr. 26, 10; m. 46; c. 1. POLITICAL SCIENCE. B.A. Princeton, 31, Soc. Sci. Res. Coun. fel, 35-36; Ph.D.(polit. sci), Chicago, 36. Instr. polit. sci, Yale, 36-38; Rutgers, 38-42; admin. analyst, Off. Price Admin, 42-43; exam, U.S. Bur. Budget, 46-48; OFF. COMPTROLLER, U.S. DEPT. ARMY, 48-52, dep. chief mgt. surv. br, 52-54, chief develop. & training br, 54-66, DIR. MGT, 66- U.S.N.R., 43-46, Lt. Polit. Sci. Asn; Soc. Pub. Admin. Public administration. Address: 7704 Ridgecrest Dr, Alexandria, Va. 22308.

MARIS, DR. GARY L, b. New London, Conn, Sept. 14, 40; m. 60; c. 1. POLITICAL SCIENCE. B.A. Stetson, 62; M.A. Duke, 64, Ph.D.(polit. sci), 65. ASST. PROF. POLIT. SCI, STETSON, 65- U.S.A., 66-68, Capt. Polit. Sci. Asn. International law; comparative government. Address: Dept. of Political Science, Stetson University, DeLand, Fla. 32720.

MARK, DR. ADOLPH E(MANUEL), b. Chicago, Ill, June 14, 21. ECONOMICS. B.A. DePaul, 50; M.A. Michigan, 54; Ph.D. Illinois, 63. Instr. ECON, Col. St. Francis, 50-58, ASST. PROF, 58-59; DePAUL, 61- U.S.A., 42-46, Sgt. Econ. Asn. Labor economics; history of economic thought; business-government relations. Address: 9321 N. Tripp Ave, Skokie, Ill. 60076.

MARK, DR. HAROLD, b. Sioux City, Iowa, Dec. 30, 34; m. 59; c. 2. SOCIOLOGY. B.A. Iowa, 59, M.A. 61, Ph.D.(sociol), 67. Instr. sociol, Rhode Island, 63-64; from instr. to asst. prof, Ohio State, 64-65; ASST. PROF. SOCIOLOGY & RES. ASSOC. MENT. HEALTH COMMUNITY STUDY, ILLINOIS, 65- Consult, Ill. State Dept. Ment. Health, 65- U.S.A.F., 55-57. Sociol. Asn; Soc. Study Social Probs. Mental Health; social change; self concept. Publ: Co-auth, Ecological position and community population growth, Am. J. Sociol., 7/67. Address: Dept. of Sociology, University of Illinois, Urbana, Ill. 61801.

MARK, DR. HENRY J(OHN), b. Breslau, Germany, Aug. 13, 23; nat; m. 50; c. 5. PSYCHOLOGY. B.S. City Col. New York, 48, fel, 48-49, M.S., 49; fel, Hopkins, 53-56, Sc.D.(med. hyg), 56. Sr. psychol. intern, Manteno State Hosp, Ill, 49-50; instr. psychiat, sch. med, HOPKINS, 50-53, asst. prof. PEDIAT, OTOL. & LARYNGOL, SCH. MED. & asst. prof. ENVIRON. MED, SCH. HYG. & PUB. HEALTH, 58-62, ASSOC. PROF, 62- Psychologist, outpatients dept, Hopkins Hosp, 56-, hearing & speech center, 58; consult, Montebello State Hosp, Md, 55- Med. Dept, U.S.A., 43-46. Psychol. Asn. Theory of thinking; classification of behavior, communication disorders and other central nervous system dysfunctions in children and adults. Address: Johns Hopkins Hospital, Children's Medical & Surgical Center-319, 601 N. Broadway, Baltimore, Md. 21205.

MARK, DR. IRVING, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MARK, PROF. MAX, b. Vienna, Austria, Feb. 16, 10; nat; m. 40. POLITICAL SCIENCE. J.D. Vienna, 33. Instr. polit. sci, Western Reserve, 48-52; asst. prof. INT. REL. WAYNE STATE, 52-57, assoc. prof, 57-64, PROF, 64- Polit. Sci. Asn; Soc. Int. Law; Mid. East. Inst; Acad. Polit. & Soc. Sci. International relations; comparative government. Address: 24270 Manistee St, Oak Park, Mich. 48237.

MARK, DR. SHELLEY M(UN), b. Kwangtung Province, China, Sept. 9, 22; nat; m. 46; c. 4. ECONOMICS. B.A. Washington (Seattle), 43, Ph.D.(econ), 56; Sackett mem. scholar & M.S. Columbia, 44; fel, Fed. Reserve Bank of San Francisco, 50; summers, California, 50, Harvard, 53. Assoc. instr. econ, Washington (Seattle), 46-48; asst. prof, Ariz. State Col, 48-51; territorial economist, Off. Price Stabilization, Honolulu, 51-53; asst. prof. ECON, HAWAII, 53-56, assoc. prof, 57-61, PROF, 61-, DIR. ECON. RES. CENTER, 59-, DIR. DEPT. PLANNING & ECON. DEVELOP, STATE HAWAII, 62- Econ. adv, State Legis, Hawaii, 55-; res. fel, Ford Found, Stanford, 58; Ford Found. fel, Harvard, 59-60; summer, vis. prof, Washington (Seattle), 62. Consult, 55- Am. Econ. Asn; Royal Econ. Soc. Regional economic analysis; economic policy formulation; development of mainland China; micro- and macro-economic theory. Publ: Economics in action, 3rd ed, Wadsworth, 65; Claus Spreckels in Hawaii, Explors. in Entrepreneurial Hist, 10/57; Chinese economic growth under the five-year plans, Malayan Econ. Rev, 4/62. Address: Dept. of Planning & Economic Development, State of Hawaii, Honolulu, Hawaii 96813.

MARKELL, PROF. WILLIAM, b. Brooklyn, N.Y., Mar. 18, 23; m. 47; c. 3. ACCOUNTING, BUSINESS ADMINISTRATION. B.B.A. City Col. New York, 43; M.B.A. Denver, 53; fel. & Ed.D.(bus), Columbia, 59. Tech. instr. acct, comptroller training, U.S. Air Force, 51-54; instr, Maine, 54-55, asst. prof. bus. admin. & acct, 55-57; lectr. ACCT, City Col. New York, 57-58; asst. prof, DELAWARE, 58-62, assoc. prof, 62-67, PROF, 67-, summer faculty fel, 67. Summers, prin. investr, Nat. Inst. Ment. Health summer res. grant, 63. U.S.A., 43-46. Acct. Asn. Accounting instruction in the elementary course; uses of computers in accounting education; education for business in Israel. Publ: Co-auth, Partners' policy statements, CPA Assocs, 61 & 62 & Report of the committee on teaching methods-programmed instruction, Acct. Rev, 4/64; auth, Programmed instruction in accounting, J. Bus. Ed, 5/64. Address: Dept. of Business Administration, College of Business & Economics, University of Delaware, Newark, Del. 19711.

MARKENDORF, DR. ARTHUR C, b. Louisville, Ky, July 16, 21; m. 66. SOCIOLOGY, ANTHROPOLOGY. A.B. Michigan, 48, M.A., 55, Ph.D.(ed. psychol, anthrop), 62; Wayne State, 49-50; Minnesota, 50-51; Arizona State, summer, 64. Asst. prof. ed. sociol, Los Angeles State Col, 59-60; sociol, West. State Col, 62-66; assoc. prof, Wittenberg, 66-67; PROF. SOCIOLOGY & ANTHROP. & CHMN. DEPT, WASHBURN, 67- U.S.A.A.F., 42-43. Sociol. Asn; Pop. Asn. Technological evolution in relation to social evolution and population dynamics; urbanization. Address: Dept. of Sociology & Anthropology, Washburn University, Topeka, Kans. 66621.

MARKENSON, DR. DAVID J, b. Petrograd, Russia, July 23, 15; nat; m. 40; c. 2. CLINICAL PSYCHOLOGY. B.S. Okla. Agr. & Mech. Col, 40; Tilles scholar, 51; Ph.D.(psychol), Washington (St. Louis), 53. Vet. Admin. clin. psychol. trainee, 47-50; staff psychologist, out-patient clin, St. Louis State Hosp, 50-52; sr. counsr, counseling serv, Washington (St. Louis), 52-54, instr. psychol. & asst. dir. counseling serv, 54-55, asst. prof. ed. & dir. counseling serv, 56-60; psychologist, DADE COUNTY CHILD GUID. CLIN, 60-62, SR. CLIN. PSYCHOLOGIST & RES. DIR, 62- Asst. clin. prof, Miami (Fla), 62- Consult, Nathan Kohn, Jr. & Assocs, 54- U.S.A., 43-46. Psychol. Asn; Personnel & Guid. Asn. Personality dynamics; psychotherapy; diagnostic procedures in counseling. Address: Dade County Child Guidance Clinic, 1350 N.W. 14th St, Miami, Fla. 33125.

MARKESON, CLYDE BELDON, b. La Salle, Minn, Nov. 26, 25; m. 57; c. 3. AGRICULTURAL ECONOMICS, ECONOMICS. B.A. Idaho State Col, 50; M.S., Idaho, 52; Pa. State, 52-53; Wisconsin, summer, 53; Minnesota, 53. Agr. Economist, Agr. Res. Serv, U.S. DEPT. AGR, 55-57, FARMER COOP. SERV, 57-62, chief spec. crops br, 62-66, chief fruit & veg. br, 66-67, DIR. NEW SERV. DIV, 67- U.S.N., 44-46. Adminstr a research program in connection with cooperatives that market farm products, purchase farm supplies and provide related business services. Publ: Pooling and other grower payment methods as used by cooperatives, 59, Economic aspects of marketing Florida avocados, 63 & Identifying the need for forestry associations, 65, Farmer Coop. Serv. Address: 6008 Forest Rd, Cheverly, Md. 20785.

MARKHAM, PROF. JAMES W(ALTER), b. Holland, Tex, Aug. 12, 10. INTERNATIONAL COMMUNICATION. B.J. Texas, 32, A.M. 40; Ph.D. Missouri, 52. Teacher, pub. schs, Tex, 34-40; reporter, Dallas J, 40-41; ed. dir, student pub, Univ. Texas, 42-43; exec. secy, State Bd. Control, Tex, 43-46; asst. prof. journalism, Baylor, 46-48; from asst. prof. to assoc. prof, Missouri, 48-53; from assoc. prof. to prof, Pa State, 53-62; PROF. INT. COMMUN. & HEAD DEPT, IOWA, 62- Reporter, Ft. Worth Press, Tex, 36; lectr, Inter-Am. Fedn. Working Newspapermen's Orgn. Seminar, C.Z., 62. Consult, freedom info. center, Univ. Missouri, 66-67. Mem, Standing Cmt. Prfnl. Freedom & Responsibility, 65-68, chmn, 66-67; mem. nat. selection cmt, Fulbright-Hayes Cmt. Int. Exchange Persons & Assoc. Res. Couns, 66-67. Iowa author's award, 66; Frank Luther Mott Res. Award, Kappa Tau Alpha, 67. Asn. Ed. Journalism; Int. Asn. Mass. Commun. Res; Int. Press Inst; World Asn. Pub. Opinion Res; Int. Studies Asn. Comparative communications; international conflict; diffusion and flow of international information. Publ: Bovard of the Post-Dispatch, La. State Univ, 54; International images and mass communication behavior: a five-year study of foreign students, Mass. Commun. Res. Bur, Univ. Iowa, 67; Voices of the red giants: communications in Russia and China, Iowa State Univ, 67. Address: 302 Communications Center, University of Iowa, Iowa City, Iowa 52240.

MARKHAM, PROF. JESSE W(ILLIAM), b. Richmond, Va, Apr. 21, 16; m. 44; c. 3. ECONOMICS. A.B. Richmond, 41; Hopkins, 41-42; Rosenwald fel, 42; A.M. Harvard, 47. Ph.D. 49. Plant acct. E.I. du Pont de Nemours & Co, Inc, 34-38; Chesapeake & Potomac Tel. & Tel. Co, 41; instr. econ, West Hill Jr. Col, 45-47; teaching fel, Harvard, 47-48; asst. prof, Vanderbilt, 48-51, assoc. prof, 51-52; chief economist, U.S. Fed. Trade Cmn, 53-54; assoc. prof. econ, Princeton, 54-57, PROF, 57-65; bus. admin, grad. sch. bus, Harvard, 65-66; ECON, PRINCETON, 66- Vis. prof, Harvard, 61-62; expert witness, R.R. & Pub. Utilities Cmn, Tenn, 49; econ. ed. adv, Houghton-Mifflin Pub. Co, 61- Consult, U.S. Fed. Trade Cmn, 55-56; U.S. Fed. Commun. Cmn, 56-58. U.S. Del. conf. experts, Orgn. European Econ. Coop, 56-59, 61; mem. nat. mkt. cmt, U.S. Dept. Commerce. U.S.N., 42-45, Lt. Econ. Asn; Economet. Soc. Economic policy; oligopoly price theory and pricing practices; alternative approach to the concept of workable competition. Publ: Competition in the rayon industry; Fertilizer industry; co-auth, The common market, N.Y. Univ. Press, 63. Address: Dept. of Economics, Dickinson 113, Princeton University, Princeton, N.J. 08540.

MARKIN, DR. ROM JOHNSON, b. Ironton, Ohio, Mar. 16, 32; m. 57; c. 3. BUSINESS ADMINISTRATION. B.S. Marshall, 55; M.B.A. Indiana, 57, D.B.A. 62. Instr. BUS. ADMIN, Montana State, 58-59; asst. prof, WASHINGTON STATE, 61-65, ASSOC. PROF, 65- Participant, Ford Found. Vis. Prof. Prog, Harvard, summer 64. Mkt. Asn. Consumer motivation and behavior. Publ: The supermarket: an analysis of growth, development, and change, Washington State Univ, rev. ed, 68; The psychology of consumer behavior: the role of learning theory and communication, Prentice-Hall, 68; The demise of the marginal retailing establishment, J. Retailing, spring 67. Address: 101 Janet, Pullman, Wash. 99163.

MARKLE, DEAN HERBERT J(OHN), b. La Crosse, Wis, Oct. 17, 09; m. 46. FINANCE, ECONOMICS. B.B.A. Minnesota, 32; M.A. Iowa, 49, Ph.D.(finance), 51. Instr. finance, mgt. & econ, Simpson Col, 47-49; bus. finance, Iowa, 49-51; PROF. FINANCE, ECON. & MGT, MEMPHIS STATE, 51-, DEAN COL. BUS. ADMIN, 61- Lectr, Am. Inst. Banking, 52-61; U.S. Savings & Loan Inst, 54-61. Consult, comptroller of currency, Nat. Banking Syst, 66- U.S.A., 41-46, Lt. Col. Econ. Asn; Finance Asn; Asn. Bus. Econ; Financial Exec. Inst. Money and banking; business finance; management. Publ: Dynamics of baking industry, Am. Bakers Assn, 66. Address: College of Business Administration, Memphis State University, Memphis, Tenn. 38111.

MARKLE, DR. SUSAN MEYER, b. Buffalo, N.Y., Nov. 11, 28; m. 49, 60; c. 1; m. 66. EXPERIMENTAL PSYCHOLOGY. B.A. Buffalo, 51, M.A. 54, fel, 54-56. Ph.D. 60. Res. assoc. psychol, Harvard, 58-59, res. fel, 60; mem. & dir. Center Programmed Instr, 60-62; mem. staff sch. ed, California, Los Angeles, 62-65; HEAD PROGRAMMED INSTR, OFF. INSTRUCTIONAL RESOURCES, UNIV. ILLINOIS, CHICAGO, 65- Pub. of the year award, Nat. Soc. Programmed Instr, 64, pres, 66-67, Instr. prod. of the year award, 68. AAAS; Psychol. Asn; Ed. Res. Asn. Learning theory; verbal behavior; programmed instruction. Publ: Good frames and bad, Wiley, 64; Words: a program in vocabulary development; Programming is a process (film), Off. Instr. Resources, 67. Address: Office of Instructional Resources, University of Illinois at Chicago Circle, Chicago, Ill. 60680.

- MARKOTIC, DR. VLADIMIR**, b. Banjaluka, Yugoslavia, July 7, 20; m. 58; c. 5. **ARCHAEOLOGY**. M.A. Indiana, 55; Ph.D.(anthrop), Harvard, 63. **ASST. PROF.** anthrop, Illinois State, 62-65, fel, 64-65; **ARCHAEOLOGICAL GARY**, 65-, fel, 66. Res. grants, Nat. Sci. Found, 63-64, Glenbow Found, 66. **Anthrop. Asn.** Prehistory of the old world, particularly Europe; theory primates and evolution. **Publ:** Archaeology, Toronto Univ. 64; Russia, Coun. Old World Archaeol, 64; Ho ton Hrobaton, In: A festschrift in Rome, 65. **Address:** Dept. of Archaeology, University of Calgary, Calgary, Alta, Can.
- MARKOVITZ, DR. IRVING L.**, b. McKeesport, Pa, Aug. 9, 34; m. 58; c. 2. **POLITICAL SCIENCE**. B.A. Brandeis, 56; African affairs fel, Boston, 57-58, M.A. 58; Soc. Sci. Res. Coun. & Am. Coun. Learned Soc. for. area fel, 64-66; Ph.D.(polit. sci), California, Berkeley, 67. **Teaching asst.** **POLIT. SCI.** California, Berkeley, 59-60, head teaching asst, 60-61, res. asst, 61-62; vis. asst. prof., N.Y. Univ. 62-63; lectr, **QUEENS COL.(N.Y.)**, 66-67, **ASST. PROF.**, 67- Doctoral faculty res. grant, City Univ. New York, 68-69. **Fel.** African Studies Asn; **Polit. Sci. Asn.** African politics, with special interest in African political philosophy, ideology, bureaucracy and problems of economic development in francophone areas. **Publ:** Leopold Senghor and the politics of Negritude, Atheneum, 68; ed, African politics: basic issues and problems, Fawcett, 68; auth, Ghana without Nkrumah: the winter of discontent, Africa Report, 4/66. **Address:** 211-56 46 Rd, Bayside, N.Y. 11361.
- MARKOWITZ, DR. HARRY**, b. Chicago, Ill, Aug. 24, 27; m. 46; c. 2. **ECONOMICS**. B.A. Chicago, 47, Cowles Cmn. fel, 49-50, Soc. Sci. Res. Coun. fel. & M.A. 50, Ph.D.(econ), 55. **Economist**, Rand Corp, 51-57, 60-62; **Gen. Elec. Co.**, 57-60; **CHMN. BD.** **CONSOL. ANAL. CENTERS INC.**, 62- Res. assoc, Cowles Found, 55-56. **Economet. Soc.** Portfolio selection; linear programming analysis of technology; behavior under uncertainty. **Publ:** Portfolio selection, 59, & co-auth, Studies in process analysis, 63, Wiley; co-auth, Simscrip: a simulation programming language, Prentice-Hall, 63. **Address:** Consolidated Analysis Centers Inc, 225 Santa Monica Blvd, Santa Monica, Calif. 90401.
- MARKS, PROF. B(OBBY) K(EES)**, b. Alexandria, La, May 17, 34; m. 56; c. 2. **BUSINESS ADMINISTRATION**. B.B.A., Lamar State Col, 56; M.B.A., North Texas State, 60; Ph.D.(bus. admin), Arkansas, 66. **Sales rep**, Gulf Supply Co, Inc, 56-59; **instr.** **BUS. ADMIN.**, **SAM HOUSTON STATE COL.**, 60-63, **asst. prof.**, 64-66, **assoc. prof.**, 66-67, **PROF.**, 67- U.S.A. 57-58. **Procurement phase of personnel management**, especially the campus, college and university, recruiting function. **Publ:** Successful campus recruiting, Personnel J, 2/67. **Address:** Dept. of Business Administration, Sam Houston State College, Huntsville, Tex. 77340.
- MARKS, DR. EDMOND**, b. Philadelphia, Pa, Apr. 19, 35; m. 62; c. 3. **PSYCHOLOGY**. B.A. La Salle Col, 57; M.S. Pa. State, 61, Ph.D.(psychol), 64. **Supvr. res. student affairs**, Pa. State, 64-65, **assoc. dir.**, 65-66; **ACTING DIR. EVAL. STUDIES**, **GA. INST. TECH.**, 66- U.S.A. 57. **Psychol. Asn;** **Psychomet. Soc.** Psychometric theory and practice; personality assessment; personality as it relates to perception and cognition. **Publ:** Personality factors in the performance of a perceptual recognition task under competing incentives, J. Personality & Soc. Psychol, 1/68; Profile analysis in a two-way classification problem, Multivariate Behav. Res, 4/68; some profile methods useful with singular covariance matrices, Psychol. Bull. (in press). **Address:** Office of Evaluation Studies, Georgia Institute of Technology, Atlanta, Ga. 30332.
- MARKS, PROF. ELI S(AMPLIN)**, b. New York, N.Y. Dec. 15, 11; m. 40; c. 3. **STATISTICS**. A.B. Columbia, 32, A.M. 33, Ph.D.(psychol), 35. **Statistician**, Fisk, 35-42, **asst. prof.**, 40-42; **economist**, War Prod. Bd, 42-43; from economist to prin. economist, Off. Price Admin, 43-46; **sampling statistician** & **adv. nat. off. vital statist.** U.S. Pub. Health Serv, 46-47; **statistician**, bur. census, U.S. Dept. Commerce, 47-53; **sr. study dir.**, Nat. Opinion Res. Center, 53-56; **math. statistician**, Nat. Analysts, Inc, 56-61; **assoc. prof.** **behav. sci**, Case, 61-64; **RES. PROF. STATIST. & OPERS. RES.**, **PENNSYLVANIA**, 64- **Orgn. Am. States consult.** Nat. Pop. & Housing Census Chile, 60; **consult.** Income Tax Admin, Govt. Venezuela, 62-63; **statist. consult.** Dept. Health, Commonwealth P.R., 62-65, Dept. Ed, 67-; **consult.** **statist. div.** Food & Agr. Orgn, UN, Italy, 65; **Statist. & Census Off.** El Salvador, 66. **Fel.** AAAS; **Statist. Asn;** **Psychol. Asn;** **Ops. Res. Soc;** **Inst. Mgt. Sci;** **Asn;** **Comput. Mach;** **Asn.** Pub. Opinion Res; **Pub. Health Asn.** Operations research. **Publ:** Co-auth, Pre-election polls of 1948, Soc. Sci. Res. Coun. Bull; co-auth, Response errors in surveys, J. Am. Statist. Asn, 51; The use of simulation as a pedagogical device, Mgt. Sci, 66. **Address:** Apt. B. 1201, Park Drive Manor, Lincoln Dr. & Harvey St, Philadelphia, Pa. 19144.
- MARKS, HERBERT H.**, b. Providence, R.I. Nov. 21, 99; m. 29; c. 2. **BIostatistics**. A.B. Brown, 21. **Mem. staff**, Metropolitan Life Ins. Co. 22-65, **mgr. med. statist.** 34-59, **asst. statistician**, 59-65; **RETIRED**. **Fel.** Statist. Asn. **Vital and medical statistics**, public health; metabolic diseases; cardiology. **Publ:** Mortality among impaired lives, In: Trends and differentials in mortality; Longevity and mortality of diabetics, Am. J. Pub. Health, 3/65; co-auth, Postexercise ECG in arteriosclerotic heart disease, J. Am. Med. Asn, 6/67. **Address:** 1495 Popham Ave, Bronx, N.Y. 10453.
- MARKS, DR. JOHN B(RADY)**, b. Chicago, Ill, May 25, 18; m. 43; c. 2. **PSYCHOLOGY**. S.B. Chicago, 38; M.S. Wisconsin, 40; Ph.D. California, 52. **Soil scientist**, U.S. Bur. Reclamation, 46-49; **clin. psychologist**, Vet. Admin. Hosp. Am. Lake, Wash, 52-58, **chief res. serv.** 58-60; **dir.** **MENT. HEALTH RES. INST.**, 60-67, **SR. INVESTR. DIV. RES.**, 67- **Psychologist**, Ryther Child Center, 53; **asst. prof.** Puget Sound, 53-60. **Dipl.** Am. Bd. Exam. Prfl. Psychol. Sig.C, U.S.A. 41-45. **Psychol. Asn.** Psychophysiology; communication; experimental personality; research administration. **Address:** Mental Health Research Institute, Box 94008, Ft. Steilacoom, Wash. 98494.
- MARKS, PROF. MARY E(LIZABETH)**, Geog. see 10th ed, Soc. & Behav. Vols. Latest known address: Box 1205, Lanark Village, Fla. 32323.
- MARKS, DR. MELVIN R(OBERT)**, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.
- MARKS, DR. NORTON E.**, b. Omaha, Nebr, Apr. 7, 32; m. 50; c. 2. **BUSINESS ADMINISTRATION**. B.S. Omaha, 60; M.B.A. Indiana, 61; **Automatic Retailers Am. fel.** Washington (Seattle), 62-63, Ford Found. fel, 64, D.B.A. 65. **Asst. prof. mgt.** Seattle, 63-64; **MKT.** Texas, 64-67; **ASSOC. PROF.** **NOTRE DAME**, 67- U.S.N. 50-54. **Mkt. Asn.** Marketing logistics; behavior of the consumer; industrial buying behavior; airline management. **Publ:** Co-auth, Marketing logistics, Wiley, 67, CPM/Per; a diagrammatic scheduling technique, Univ. Texas, 67 & Marketing and its environment, Wadsworth, 68. **Address:** Dept. of Marketing, University of Notre Dame, Notre Dame, Ind. 46556.
- MARKS, PROF. PHILIP A(NDRE)**, b. Detroit, Mich, Sept. 10, 28; m. 56; c. 3. **CLINICAL PSYCHOLOGY**. B.A. Fresno State Col, 53; M.A. Long Beach State Col, 54; fel, Minnesota, 56-58, Ph.D.(clin. psychol), 59. **Asst. Vet. Admin. Hosp.** Minn, 56-58, **trainee clin. psychol.** 58-59; **instr. psychiat.** & **pediat.** med. center, Kansas, 59-61, **asst. prof. med. psychol.** 61-63, **assoc. prof.** 63-66; **PROF. PSYCHOL. & PSYCHIAT.** OHIO STATE, 66- **Asst.** Minnesota, 56-58. **Consult.** Children's Mercy Hosp, 59-; **clin. & res. consult.** Vet. Admin. Hosp. Kansas City, Mo, 64-66. U.S.A. 46-48; U.S.A.F.R. 53-57, 1st Lt. AAAS; **Asn. Am. Med. Cols;** **Psychonomic Soc;** **Psychol. Asn.** Psychotherapy research; personality tests and measurement. **Publ:** Co-auth, Differential treatment and prognosis in schizophrenia & The actuarial description of abnormal personality, Williams & Wilkins, 63; auth, Validity of diagnostic process in a child guidance setting, Psychol. Monogr. **Address:** Ohio State University, 410 W. Tenth St, Columbus, Ohio 43210.
- MARKS, PROF. RACHEL B(RYANT)**, b. Lawrenceville, Va, Oct. 22, 11. **SOCIAL WORK**. A.B. Emory & Henry Col, 32; A.M. Scarritt Col, 39; A.M. Chicago, 44, Ph.D. 50. **Teacher**, College Am. Brazil, 39-40; **Ward-Beimont Col.** 41-42; **instr.** Indiana, 45-46; **asst. prof.** **SOC. WORK**, Illinois, 48-50, **assoc. prof.** 50-52; **asst. prof.** CHICAGO, 52-56, **assoc. prof.** 56-60, **prof.** 60-67, **SAMUEL DEUTSCH PROF.** 67-, **assoc. dean**, sch. soc. serv. admin, 60-66. **Asst. ed.** Soc. Serv. Res, 53-56, **ed.** 56- **Consult.** schs. soc. work, Colombia, 66-67. **Del.** White House Conf. Children & Youth, 60. **Publ:** Education for social work; chap. in, Encyclop. Soc. Work. **Address:** School of Social Service Administration, University of Chicago, Chicago, Ill. 60637.
- MARKWARDT, DR. FREDERICK C(HARLES)**, JR, Fergus Falls, Minn, Sept. 19, 30; m. 56; c. 2. **PSYCHOLOGY**. B.A. Carleton Col, 52; M.A. Minnesota, 57, Ph.D. 60. **Couns.** Minnesota, 56-59; **asst. prof. psychol.** St. Cloud State Col, 60-62, **assoc. prof.** 62-64, **prof.** 64-67; **CONSULT. PSYCHOLOGIST**, **THEODORE R. LINDBUM & ASSOCS.** 67- U.S.A. 52-54. **Psychol. Asn;** **Personnel & Guid. Asn;** **Ed. Res. Asn;** **Ed. Res. Asn.** Psychological testing; design and analysis of psychological research; industrial management consulting. **Address:** 5801 Oakland Ave. S, Minneapolis, Minn. 55417.
- MARKWELL, PROF. EARL D(AVID)**, JR, b. Stillwater, Okla, Feb. 12, 23; m. 43; c. 3. **CLINICAL & PHYSIOLOGICAL PSYCHOLOGY**. B.A. Tulsa, 48, M.A. 50; Ph.D.(clin. & physiol. psychol), California, Los Angeles, 55. **Clin. psychol.** trainee, Vet. Admin, 50-53; **instr. couns.** Vet. Admin. Guid. Center, Tulsa, 53-55, **asst. prof. clin. & physiol. psychol.** univ, 55-58; **asst. prof. child psychiat.** & **clin. psychologist**, med. sch, Arkansas, 58-59; **asst. prof. PSYCHOL.** **HUMBOLDT STATE COL.** 59-62, **ASSOC. PROF.** 62- **Consult.** Tulsa Child Guid. Clin, Okla, 53-55; **Voc. Rehab. Serv.** Okla, 54-58, **Calif.** 60-; **Mabee Speech & Hearing Clin.** Tulsa, 55-58; **Humboldt-County Welfare Dept.** 60-; **div. disability determination**, State Dept. Rehab, 60-; **Crippled Children's Serv.** Calif, 61-; **outpatient psychiat.** clin, Humboldt County Ment. Health Serv, 62- U.S.A. 43-45; U.S.P.H.S. 58, Sr. Scientist. **Psychol. Asn;** **Soc. Clin. & Exp. Hypnosis;** **Orthopsychiat. Asn;** **Personnel & Guid. Asn.** Study of autonomic nervous system functioning; personality functioning; psychotherapeutic methods; psychodiagnosis and research in school and clinical settings. **Publ:** Some psychosomatic considerations in counseling relationships, J. Rehab; An investigation of resting patterns of autonomic function in the tuberculous, Behav. Sci, 1/63; Alterations in self-concept under hypnosis, J. Personality & Soc. Psychol, 2/65. **Address:** 1721 Charles Ave, Arcata, Calif. 95521.
- MARLENS, DR. HANNA S(TEINER)**, b. Vienna, Austria, Apr. 6, 28; nat; m. 50; c. 2. **CLINICAL PSYCHOLOGY**. B.A. Queens Col.(N.Y.), 50; M.A. City Col. N.Y. 51; Ph.D. N.Y. Univ. 59. **Intern clin. psychol.** Kings County Hosp, N.Y. 51-52; **asst. instr. pediat.** COL. MED. STATE UNIV. N.Y. DOWNSTATE MED. CENTER, 52-54, **INSTR. PSYCHOL.** IAB, 54-; **PSYCHOLOGIST**, WEST ISLIP PUB. SCHS, 63- **Psychol. Asn.** Developmental psychology; personality; perception; projective test construction; diagnostic testing. **Address:** 15 Robin Lane, Huntington, N.Y. 11743.
- MARLIN, ROBERT L(EWIS)**, b. Bronx, N.Y. June 28, 37; m. 59; c. 2. **PSYCHOLOGY, STATISTICS**. A.B. Syracuse, 58, M.P.A. 62. **Asst. psychol.** N.Y. State Dept. Ment. Hyg. Letchworth Village, 57-59; **exp. psychol.** Sterling-Winthrop Res. Inst. Sterling Drug, Inc, 59-60, **statist.** 60-61, **dept.** new prod. develop, 62-65; **coordinator-med. affairs**, Knoll Pharmaceut. Co, 65-68; **NEW PROD. PLANNING COORDINATOR**, SCHERING CORP, 68- **Biomet. Soc;** **Drug Info. Asn;** **Statist. Asn.** Industrial psychology, administrative organization and management; hospital formulary management. **Publ:** Drug-induced catelepsy and loss of avoidance behavior in the rat; DIA progress, Hosp. Formative Mgt, 4/67. **Address:** 8 Biscay Dr, Parsippany, N.J. 07054.
- MARLOWE, DR. DAVID**, b. New York, N.Y. June 1, 31; m; c. 1. **PSYCHOLOGY**. B.A. City Col. New York, 53, M.A. 56; Ph.D.(psychol), Ohio State, 59. **Intern clin. psychol.** Vet. Admin, 56-58; **asst. instr. psychol.** Ohio State, 58-59; **asst. prof.** col. med, Kentucky, 59-61; **Dartmouth Col.** 61-62; **lectr.** **PSYCHOL.** Harvard, 62-66; **vis. prof.** CALIFORNIA, Berkeley, 65-66. **ASSOC. PROF. & CHMN. DEPT.** SANTA CRUZ, 66- **Consult.** U.S. Pub. Health Serv. Hosp, Lexington, Ky, 60-61; **Vet. Admin. Hosp.** Palo Alto, Calif, 67- **Ord.C.** U.S.A. 53-54. **Psychol. Asn.** Personality theory; social psychology; decision making; game theory. **Publ:** Co-auth, The approval motive, Wiley, 64; auth, Social desirability and response to perceived situational demands & Need for social approval and the operant conditioning of meaningful verbal behavior, J. Consult. Psychol. **Address:** 239 Moore St, Santa Cruz, Calif. 95060.

MARMAS, DEAN JAMES G., b. Virginia, Minn., July 11, 29; m. 52; c. 3. **BUSINESS EDUCATION, SOCIAL SCIENCE.** B.S., St. Cloud State Col., 51; M.A., Minnesota, Minneapolis, 56; Ed.D. (bus. ed.), Stanford, 61. Teacher, high schs., Minn., 51-59; Calif., 60-61; asst. prof. bus. ed., Los Angeles State Col., 61-62; prof. & chmn. dept., ST. CLOUD STATE COL., 62-65, PROF. BUS. & DEAN SCH. BUS. 65- Consult, Gregg Award Admin. Cmt., 67- Economic education; consumer economics; finance. Publ: Resource units in the teaching of basic business, Bus. Ed. Forum, 57; Economics preparation of teachers in California, Calif. State Coun. Econ. Ed. & Bus. Ed. Forum, 62; The vocational business success of slow learners, Balance Sheet, 1/65. Address: School of Business, St. Cloud State College, St. Cloud, Minn. 56301.

MARMOR, DR. THEODORE R., b. New York, N.Y., Feb. 24, 39; m. 61; c. 2. **POLITICAL SCIENCE.** B.A., Harvard, 60; Woodrow Wilson fel., Harvard, 60-61, univ. fel., 62-63, Ph.D. (Am. studies), 65; Rotary Found. fel., Oxford, 61-62. Instr. soc. studies, Harvard, 65-66; res. assoc. fel. polit. & health policy, John F. Kennedy Sch. Govt., 68-67; vis. res. fel. polit., Nuffield Col., Oxford, 67; ASST. PROF. POLIT. SCI., WISCONSIN, 67- Consult, Off. Prog. Coord. Dept. Health, Ed. & Welfare, 66-; Ed. Assoc. D.C., 67- Polit. Sci. Assn. Politics of domestic policy-making; social welfare politics; public policy; comparative public policy; American political development. Publ: Co-auth. Casebook on American politics: politics of Medicare, Little-Brown, 69; Anti-industrialism and the old south, Comp. Studies Hist. & Soc., 7/67. Address: Dept. of Political Science, University of Wisconsin, Madison, Wis. 53706.

MARONI, DR. YVES. b. Paris, France, Aug. 31, 20; nat; m. 50; c. 3. **ECONOMICS.** B. de L'Enseignement Sup., Paris, 37, 38-40; dipl. Ecole Libre des Sci. Polit., Paris, France, 40; A.M., Virginia, 41; Austin fel. & Lehman fel., Harvard, 41-42, univ. fel., 42-46, A.M., 43, Ph.D. (econ.), 46. Instr. econ., Brown, 46-48, asst. prof., 48-50; Buffalo, 50-51; economist, bur. indust. econ., Fed. Trade Cmn., 51-52; DIV. INT. FINANCE, BD. GOV. OF FED. RESERVE SYST. D.C., 52-63, SR. ECONOMICIST, 63- Lectr., American Univ., 56-57; North. Va. Center, Virginia, 57-60. Econ. Assn. Economic and financial developments in Latin America; monetary and credit policies of underdeveloped countries; the theory of international trade under monopolistic competition. Publ: Theory of international trade under monopolistic competition, J. Finance; Toward a theory of the rational economic behavior of a country in international trade, Am. Econ. Rev.; India's international financial difficulties, In: American trade with Asia and the Far East. Address: 2928 Pine Spring Rd., Falls Church, Va. 22042.

MAROUSEK, PROF. GERALD E (EUGENE). b. Wasta, S.Dak., Mar. 8, 28; m. 52; c. 2. **AGRICULTURAL ECONOMICS.** B.S., S.Dak. State Col., 51, M.S., 54; Ph.D., Okla. State, 60. Vet. agr. instr., high sch., S.Dak., 51-53; asst. agr. econ., S.Dak. State Col., 53-54, county exten. agent, 55-56, asst. prof. AGR. ECON., 56-62, ASSOC. PROF., 62, IDAHO, 62- Agr. economist, Stanford Res. Inst., 67-69. Agr. Econ. Assn. Agricultural marketing; costs; efficiency; market development and information; interregional and international competition; government programs, regulation and policy implication; economic development. Publ: Market news service for livestock auctions in South Dakota & Economic and organizational aspects of cooperative feedlots, Bull. S.Dak. Agr. Exp. Sta.; The western cattle feeding industry: structural and marketing aspects, 1952-1962, Bull., Univ. Idaho, 67. Address: Dept. of Agricultural Economics, University of Idaho, Moscow, Idaho 83843.

MARPLE, PROF. ROBERT P. b. Woodston, Kans., Dec. 6, 16; m. 41; c. 2. **GEOGRAPHY.** A.B., Ft. Hays Kans. State Col., 48, M.S., 49; Ph.D. (geog.), Nebraska, 58. Instr. hist. Ft. Hays Kans. State Col., 49-53, asst. prof., 53-56, assoc. prof. GEOG., 58-61; prof., 61-62; assoc. prof., CENTRAL MICHIGAN, 62-65, PROF., 65- U.S.N., 40-46, Res., 46-56. Assn. Am. Geog. Historical geography of the United States, especially the Great Plains. Address: Dept. of Geography, Central Michigan University, Mt. Pleasant, Mich. 48858.

MARQUARDT, DR. RAYMOND A. b. Julesburg, Colo., Jan. 16, 38; m. 59; c. 1. **MARKETING, ECONOMICS.** B.S., Colorado State, 59, M.S., 61; Ph.D. (agr. econ.), Mich. State, 64. Res. asst. agr. econ., Colorado State, 59-61; Mich. State, 61-64; dir. res. Marketest, Inc., 64-65; ASST. PROF. bus. & econ., Ft. Lewis Col., 65-68; BUS. ADMIN., WYOMING, 68- Consult, Mkt. Facts, Inc., 65-; Liberal Mkt. Inc., 67- Mkt. Assn; Agr. Econ. Assn. Test marketing; marketing research techniques & methodology; store location analysis; operations research. Publ: Co-auth. The use of the balanced lattice design in determining consumer preferences, J. Food Sci., 8/63, Measuring the utility added by branding and grading, 2/65 & Increasing precision of market testing, 11/67, J. Mkt. Res. Address: Dept. of Business Administration, University of Wyoming, Laramie, Wyo. 82070.

MARQUART, PROF. DOROTHY I (RENE). b. Benton Harbor, Mich., Jan. 11, 17. **PSYCHOLOGY.** A.B., Michigan, 40, Rackham fel., 40-42, M.A., 41, univ. fcls., 42-43, 45-46, Ph.D., 46. Instr. PSYCHOL., ARIZONA, 46-48, asst. prof., 48-53, assoc. prof., 53-65, PROF., 65- Mem., Ariz. State Bd. Psychologist Exam., 65- Psychol. Assn. Experimental, child and physiological psychology. Publ: Pattern of punishment and its relation to abnormal fixation in adult human subjects & Satiational theory of figural after-effects, J. Gen. Psychol.; Group problem solving, J. Soc. Psychol. Address: 5310 E. Sixth St., Tucson, Ariz. 85711.

MARQUEZ-DIAZ, DR. NESTOR. b. Caguas, P.R., Mar. 7, 33. **INTERNATIONAL ECONOMICS & LAW.** B.A., Puerto Rico, 54; M.A., Indiana, 56; Ph.D., Madrid, 58; LL.B., Tulane, 61. Economist, Dept. Treas., P.R., 54-55; indust. economist, Econ. Develop. Admin., 56-59; ECON. CONSULT., 61-; PROF. ECON. & BUS. LAW, GRAD. SCH., NICHOLLS STATE COL., 62- Lectr., Puerto Rico, 58; Loyola (La.), 59-61, co-dir., Inter-Am. Labor Mgt. Center, 60-61; Nat. Inst. Soc. Security, Nicaragua, 60. Partner, Plie, Nelson & Limes, 61-62; sr. partner, Marquez-Diaz & Parker, Attorneys, 66-; asst. attorney gen., Dept. Justice, La., 63- Tech. adv. to rector, Cent. Am. Univ., Nicaragua; adv., U.S. Agency Int. Develop., Costa Rica, 63; consult., Ministry Indust., Costa Rica, summer, 63; City of Torreón, Mex., 65. Econ. Assn; Planning Assn; Acad. Polit. Sci. Economic development; foreign trade; urban sociology. Publ: Furniture industry of Puerto Rico, Govt. P.R., 62; Analysis of banking systems of Costa Rica, Govt. Costa Rica, 63; Com-

ments of Ministry of Industry of Costa Rica, U.S. Agency Int. Develop., 63. Address: 539 Gravier St., New Orleans, La. 70130.

MARQUIS, PROF. DONALD G (EORGE). b. Two Harbors, Minn., June 22, 08; m. 59; c. 2. **PSYCHOLOGY.** A.B., Stanford, 28; Ph.D. (psychol.), Yale, 32. Asst. neuroanat., Stanford, 29-30; Nat. Res. Coun. fel. neurophysiol., Yale, 32-33, instr. psychol., 33-35; Rockefeller fel., Oxford, 35-36; asst. prof. psychol., Yale, 36-38; assoc. prof., 38-42, chmn. dept., 42-45; prof. psychol. & chmn. dept., Michigan, 45-57; mem. staff, Soc. Sci. Res. Coun., 57-59; PROF. MGT., MASS. INST. TECH., 59- Dir. off. psychol. personnel, Nat. Res. Coun., 42-45; exec. secy., Armed Forces-Nat. Res. Coun. vision cmt., 44-51; chmn. cmt. human resources, res. & develop. bd., U.S. Dept. Defense, 47-50; mem. bd. dirs., Soc. Sci. Res. Coun., 50-57, chmn. exec. cmt., 53-54; consult, Proj. Troy, Mass. Inst. Tech., 50-51; Proj. East River, Assoc. Univs., 51-52; pres., Am. Bd. Exam. Prfnl. Psychol., 53-56; mem., Nat. Adv. Ment. Health Coun., 56-60; U.S. Nat. Cmn. UNESCO, 55-60, 66- Trustee, Antioch Col., 52-55. AAAS; fel. Psychol. Assn. (pres., 47); Soc. Exp. Psychol.; Am. Acad. Arts & Sci. Management of research and development; decision theory; organizational psychology. Address: Sloan School of Management, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

MARQUIS, DR. DOROTHY POSTLE. b. Columbus, Ohio, July 18, 05; m. 31; c. 2. **PSYCHOLOGY.** A.B. & B.S., Ohio State, 24, A.M., 27, Payne fel., 30, Ph.D. (psychol.), 30. Nat. Res. Coun. fel., Yale, 30-31, from asst. to asst. prof., dept. psychol. & pediat. med. sch., 36-45, res. assoc. inst. human rel., 36-40; psychologist, Conn. Ment. Hyg. Society, 31-33; Payne Whitney Psychiat. Clin., New York Hosp., 34-36; LECTR. PSYCHOL., MICHIGAN, 46-; CHIEF PSYCHOL., ANN ARBOR VET. ADMIN. HOSP., 59-, consult. clin. psychol., 47-59. Clin. psychologist, Detroit Ment. Hyg. Clin. Vet. Admin., 48-47. Fel. Psychol. Assn; fel. Orthopsychiat. Assn. Genetic, child and clinical psychology; infant behavior. Publ: Can conditioned responses be established in the newborn infant?, J. Genetic Psychol.; Study of frustration in newborn infants, J. Exp. Psychol.; Psychological study of peptic ulcer patients, J. Clin. Psychol. Address: Veterans Administration Hospital, Fuller Rd., Ann Arbor, Mich. 48103.

MARQUIS, PROF. LUCIAN C (HARLES). b. Stuttgart, Germany, Jan. 5, 21; nat; m. 47; c. 2. **POLITICAL SCIENCE.** Loewy scholar & M.A., California, Los Angeles, 51, Ph.D. (polit. sci.), 59. Instr. polit. sci., Oregon, 54-59, asst. prof., 59-63, assoc. prof., 63-65, dir. honors col., 62-65; assoc. prof. POLIT. STUDIES, PITZER COL., 66-67, PROF., 67- Fulbright lectr., Univ. Exeter, Eng., 60-61; Turin, 65-66. Ersted distinguished teaching award, Oregon, 60. U.S.A., 43-46. Polit. Sci. Assn. Comparative politics of Western Europe, especially the politics of education; politics and literature. Publ: Contrib. Cases in school administration: administrative relationships; Counting the casualties, Northwest Rev.; Religious diffusion and political consensus, Parliamentary Affairs, spring 64. Address: Dept. of Political Studies, Pitzer College, Claremont, Calif. 91711.

MARQUIS, DR. RALPH W (ILLIAM). Econ, see 10th ed, Soc. & Behav. Vols.

MARR, DR. JOHN N (ELSON). b. Detroit, Mich., Dec. 6, 29; m. 54; c. 2. **PSYCHOLOGY.** B.A., Michigan, 57; M.A., Mich. State, 60, Ph.D., 61. Asst. instr., Mich. State, 60-61; asst. prof., PSYCHOL., Xavier (Ohio), 61-65, ASSOC. PROF., 65-66; ARKANSAS, 66- Res. consult., Longview State Hosp., Cincinnati, Ohio, 63-66. U.S.A., 53-56, 1st Lt. Psychol. Assn. Imprinting and varying stimulation in mammals; reinforcement variables in man-animal social interactions. Publ: Varying stimulation and imprinting in dogs, 64 & co-auth. Early olfactory experience and later social behavior in the rat, 65, J. Genetic Psychol.; co-auth. Operant conditioning of attention with psychotic girl, Behav. Res. & Ther., 66. Address: Dept. of Psychology, University of Arkansas, Fayetteville, Ark. 72701.

MARR, DR. PAUL DONALD. b. San Francisco, Calif., Dec. 31, 28; m. 54; c. 5. **GEOGRAPHY.** A.B., California, 51, M.A., 55, Woodrow Wilson fel., 61-62, univ. fel., 62-64, Ph.D. (geog.), 67. Location analyst, controller's dept., Bank of Am, Calif., 54-56; geogr. econ. div., Stanford Res. Inst., 56-60; ASST. PROF. GEOG., CALIFORNIA, DAVIS, 64-, ASST. RES. GEOGR. INST. GOVT. AFFAIRS, 67- Intel. C., U.S.A.R., 50- AAAS; Assn. Am. Geog.; Am. Geog. Soc.; Regional Sci. Assn. Urban geography; city and regional planning; water resources; economic geography. Publ: Food supply and production following a massive nuclear attack, 58 & co-auth. Post-attack farm problems, 59, Stanford Res. Inst; auth. The social context of irrigation, Am. Soc. Agron., 6/67. Address: Dept. of Geography, University of California, Davis, Calif. 95616.

MARRAZZI, DR. AMEDEO S. Pharmacol., Physiol, see 11th ed, Phys. & Biol. Vols.

MARRIOTT, PROF. McKIM. b. St. Louis, Mo., Feb. 1, 24; m. 46; c. 4. **ANTHROPOLOGY.** M.A., Chicago, 49, Soc. Sci. Res. Coun. fel., 50-52, Ph.D. (anthrop.), 55. Asst. anthrop., Chicago, 49-50; jr. res. anthropologist, California, 53-55; asst. prof. ANTHROP. & SOC. SCI., CHICAGO, 57-60, assoc. prof., 60-64, PROF., 64-, head soc. sci. sect., col., 63-65. Ford Found. fel., India, 55-57; fel. Center Adv. Study Behav. Scis., 61-62; Lewis H. Morgan lectr., Rochester, 67-; Fulbright-Hays faculty fel., India, 68-69. Sig. C. U.S.A., 43-45. Quantrell award, col., Chicago, 63. Fel. AAAS; fel. Am. Anthropol. Assn; Ethnol. Soc.; Assn. Asian Studies; fel. Royal Anthrop. Soc. Gt. Brit. & Ireland. Social anthropology; social organization and change in South Asia; Hinduism; theory of peasant culture; social stratification; urbanization; economic development; medical sociology; communications networks; ethnographic photography. Publ: Caste ranking and community structure in five regions of India and Pakistan, Monogr.; co-auth. Pilot project, India: the story of rural development at Etawah, Uttar Pradesh; ed. Village India. Address: Dept. of Anthropology, University of Chicago, 1126 E. 59th St., Chicago, Ill. 60637.

MARROW, DR. ALFRED J. b. New York, N.Y.; m. 34; c. 2. **PSYCHOLOGY.** B.S., N.Y. Univ., 26. Ph.D. (psychol.), 37; M.A., Columbia, 28. PRES. & DIR. RES., HARWOOD MFG. CORP., 34- Field collab. Mass. Inst. Tech., 44-; lectr. New Sch. Soc. Res., 47- Consult, Am. Parents Cmt; Dept. State, D.C., 64- Chmn., New York Cmn. Intergroup Rel., 55-60; mem. bd. trustees, Nat.

Training Labs. Inst. Off. Behav. Sci. 64-70; New Sch. Soc. Res. 54-; Marshall Fund. 64- Dipl. Am. Bd. Exam. Prnl. Psychol. pres. 67-70. Fel. Psychol. Assn. (Kurt Lewin award, 64); Sociol. Assn; fel. N.Y. Acad. Sci. Industrial psychology; problems of group dynamics in industrial and social settings. Publ: Co-auth. Management by participation, Harper, 67; auth. Kurt Lewin—his life in psychology, 68; Behind the executive mask, Am. Mgt. Assn. 64. Address: 666 Fifth Ave, New York, N.Y. 10019.

MARRS, PROF. WYATT, Sociol, see 10th ed, Soc. & Behav. Vols, deceased 63.

MARS, PROF. DAVID, b. Philadelphia, Pa, Feb. 21, 27; m. 54; c. 2. POLITICAL SCIENCE. B.A. Rutgers, 49, M.A. 50, scholar, 50-52, Ph.D. (polit. sci.), 52. Asst. Rutgers, 50-52, lectr. polit. sci. 51-52; instr. polit. sci. Connecticut, 52-57, asst. prof. 57-60; res. dir. Metrop. Study Cmn, Wis. 60-61; assoc. prof. PUB. ADMIN. SOUTHERN CALIFORNIA, 61-68, PROF. 68-, DIR. URBAN AFFAIRS PROG, 67- Mem. Agency Int. Develop. & Univ. Southern California Tech. Assistance Group Pub. Admin. Brazil, 63-65; Creative Ed. Found. U.S.N. 45-46. Polit. Sci. Assn; Soc. Pub. Admin; Int. City Mgrs. Assn. American government; public administration; urban and metropolitan affairs; organization and management. Publ: Co-auth. Administration of justice in Connecticut; auth. Work for the future, Nat. Civic Rev. 5/63; Creativity and administration, Pub. Admin. Rev. 9/67. Address: School of Public Administration, University of Southern California, University Park, Los Angeles, Calif. 90007.

MARSCHAK, PROF. J(ACOB), b. Kiev, Russia, July 23, 98; m. 27; c. 2. ECONOMICS. Tech. Inst. Kiev, 15-18; Berlin, 19; Ph.D. Heidelberg, 22; M.A. Oxford, 35; hon. Dr. Bonn, 68. Privat-docent, Heidelberg, 30-33; Chichele lectr. econ. All Souls Col, Oxford, 33-35, reader statist. & dir. inst. statist. 35-39; PROF, grad. faculty, New Sch. Soc. Res. 39-42; ECON, Chicago, 43-55, Yale, 55-60; CALIFORNIA, LOS ANGELES, 60-, DIR. WEST. MGT. SCI. INST. 65-Res. dir. Cowles Cmn. Res. Econ. 43-48; fel. Center for Adv. Studies Behav. Sci. Stanford, 55-56; vis. prof. California, Berkeley, 67-68; Ford Found. scholar, 63; prin. investr. Nat. Sci. Found. 66. Joint ed. Mgt. Sci. 55-; Behav. Sci. 56- Distinguished fel. Econ. Assn; Economet. Soc. (pres. 46); Am. Acad. Arts & Sci; Opers. Res. Soc; Am. Statist. Assn. (v. pres. 47); fel. Inst. Mgt. Sci; Inst. Math. Statist; hon. for. fel. Royal Statist. Soc. Applications of mathematics and statistics to economics; theory of economic behavior; theory of organization; economics of information. Publ: Rational behavior, uncertain prospects, measureable utility, Econometrica, 50; Economic measurements for policy and prediction, In: Studies in econometric methods, 53 & Efficient and viable organizations, In: Modern organizational theory, 59, Wiley. Address: 968 Stonehill Lane, Los Angeles, Calif. 90049.

MARSCHAK, PROF. THOMAS, b. Heidelberg, Germany, May 31, 30; U.S. citizen; m. 56; c. 3. ECONOMICS. Ph.B. Chicago, 47; M.A. Stanford, 52, Ph.D. (econ), 57. Economist, Rand Corp, 54-59; asst. prof. BUS. ADMIN. CALIFORNIA, BERKELEY, 60-62, assoc. prof. 62-67, PROF, 67- Soc. Sci. Res. Coun. fel. 56-57; Ford Found. faculty res. fel. 62-63, Guggenheim fel. 65-66; Fulbright-Hays res. grant, 65-66. Consult. Rand Corp, 60- Economet. Soc; Econ. Assn; Inst. Mgt. Sci. Economics of research and development; theory of economic organization; empirical and theoretical comparison of resource allocation mechanisms. Publ: Strategy for R and D: studies in the microeconomics of development, Springer-Verlag, 67; Centralization and decentralization in economic organizations, Econometrica, 7/59; A spatial model of United States petroleum refining, In: Studies in process analysis: economy-wide production capabilities, Wiley, 63. Address: School of Business Administration, University of California, Berkeley, Calif. 94720.

MARSCHNER, DR. DONALD C, b. Wilkinsburg, Pa, Apr. 22, 10; m. 37; c. 4. BUSINESS ADMINISTRATION, ECONOMICS. B.A. Brown, 29; Nat. Defense Ed. Act fel. 61-63; Ph.D. (bus), Columbia, 65. Mgr. sales prom. & advert. Shell Oil Co, 44-60, consumer res. 60-61; preceptor bus. Columbia, 63-64; ASSOC. PROF. BUS. ADMIN. NEW HAMPSHIRE, 64- Mkt. Assn. Management science; marketing science; consumer behavior. Publ: Theory versus practice in allocating advertising money, J. Bus. 7/67. Address: Dept. of Business Administration, 209C Morrill Hall, University of New Hampshire, Durham, N.H. 03824.

MARSH, PRES. CHARLES F(RANKLIN), b. Antigo, Wis, Aug. 18, 03; m. 28; c. 2. ECONOMICS. A.B. Lawrence Col, 25; A.M. Illinois, 26; Ph.D. 28; hon. LLD, Furman, 68. Instr. econ. American Univ, 28-30; assoc. prof. Col. William & Mary, 30-33, prof. 33-50, chmn. dept. bus. admin. 41-54, chancellor prof. econ. & bus. admin. 50-54, dean faculty, 52-58; PRES. WOFFORD COL, 58- Dep. adminstr. Nat. Recovery Admin. 35-36; prin. economist, Fed. Bd. Invest. & Res. 42-44; summer exam, U.S. Civil Serv. Cmn. 29 & 30. Coordinator-consult. Adv. Coun. Va. Econ. 49-53. Mem. merit syst. oral exam. bd. Va. Employ. Serv. 37; Va. Dept. Pub. Welfare, 39; res. adv. Va. State Chamber of Commerce, 44-45; chmn. Hampton Rd. Studies Cmn. 44-; res. dir. Williamsburg War Bd. 43-44, chmn. Postwar Planning Cmn. 45-46, City Planning Cmn. 46-48, City Coun. 48-52; S.C. Found. Independent Cols. 59-; v. pres. Coun. for Spartanburg County. Econ. Assn. Government and business; regional economics; taxation. Publ: Trade unionism in the electric light and power industry, 28; Opportunities for improving the Virginia state tax structure, 45; co-auth. & ed. The Hampton Roads communities in World War II, 51. Address: Wofford College, Spartanburg, S.C. 29301.

MARSH, DR. CHARLES J(UDD), b. Chicago, Ill, Feb. 13, 07; m. 29; c. 2. PSYCHOLOGY. A.B. Antioch Col, 29; Ph.D. (psychol), Stanford, 38. Instr. San Jose State Col, 38; instr. clinician & res. dir. Stephens Col, 38-43; res. assoc. United Airlines, Ill, 43-44; supvr. indust. psychol. serv. Stevenson, Jordan & Harrison, Ill, N.Y. 44-45; mkt. analyst, Paraffine Cos. Inc. 45-50; treas. & asst. to pres. Varians Assocs. 50-56; mgr. eng. admin. Gen. Elec. Microwave Lab, 56-60; consult. Case & Co, Inc. 60-68; ACAD. V. PRES. GOLDEN GATE COL, 68- Psychol. Assn. Personnel relations; public relations. Address: Golden Gate College, 536 Mission St, San Francisco, Calif. 94105.

MARSH, PROF. C(ULPEPPER) PAUL, b. Marshville, N.C. Apr. 12, 26; m. 50; c. 2. SOCIOLOGY. B.S. N.C. State, 49, M.S. 51; Henry Strong Dennison fel. Cornell, 51-53. Asst. prof. rural sociol. Kentucky, 53-55; N.C. STATE, 55-61, ASSOC. PROF. 62-66, SOCIOL. & ANTHROP. 66-, eval. specialist, agr. exten. serv. 55-61. Participant, Int. Conf. Diffusion & Exten. Res. Dijon, France, 64. U.S.N. 44-46. Sociol. Assn; Rural Sociol. Soc. Technological diffusion and social norms; evaluation of programs of planned change. Publ: Co-auth. Group influences and agricultural innovations: some tentative findings and hypotheses, Am. J. Sociol. 5/56; Some factors related to rationality in decision making among farm operators, 6/58 & Anomia and communication behavior: the relationship between anomia and utilization of three public bureaucracies, 12/67, Rural Sociol. Address: Dept. of Sociology & Anthropology, North Carolina State University, P.O. Box 5428, Raleigh, N.C. 27607.

MARSH, DR. DONALD BAILEY, b. Central Blissville, N.B. Nov. 13, 11; m. 39; c. 4. ECONOMICS, POLITICAL SCIENCE. B.A. New Brunswick, 35; M.A. La. State, 36; Ph.D. (econ), Illinois, 40. Instr. econ. Barnard Col, Columbia, 40-46; dept. financial & bus. res. Chase Nat. Bank, N.Y. 45-47; PROF. econ. McGill, 47-54, Bronfman prof. econ. & chmn. soc. studies & commerce group, McGill, 54-58, chmn. dept. econ. & polit. sci. 58-58; ASST. GEN. MGR. ECON. RES. ROYAL BANK CAN, 58- Rapporteur, cmt. flow capital, Int. Chamber Commerce, 46; economist, Royal Bank Can. 47-52, dir. econ. res. 52-54. Econ. Assn; Can. Polit. Sci. Assn; Royal Econ. Soc. Economic theory; international trade and finance; money and banking theory and policy. Publ: Taxes without tears; World trade and investment; chap. In Banking systems. Address: Head Office, Royal Bank of Canada Bldg, 1 Place Ville Marie, Montreal, P.Q. Can.

MARSH, PROF. DONALD C(HARD), b. Gurnee, Ill, Sept. 5, 01. SOCIOLOGY. B.S. Northwestern, 24, A.M. 25. Instr. SOCIOL, Michigan, 25-26; asst. prof. Kansas, 26-31; instr. Cols. City of Detroit, 31-35; asst. prof. Wayne, 35-44, assoc. prof. 44-56; WAYNE STATE, 56-58, PROF. 58- Asst. dir. City Interracial Surv. Detroit, 26. Negro in Detroit; Negro-Jewish relationships in Detroit; social disorganization; race relations; urban sociology. Address: Dept. of Sociology & Anthropology, Wayne State University, Detroit, Mich. 48202.

MARSH, EDWARD N(ORTON), b. Brooklyn, N.Y. Nov. 11, 13; m. 47; c. 2. BUSINESS ADMINISTRATION. B.S. Cornell, 35, B.Ch.E. 36. Chem. engr. tech. serv. div. STANDARD OIL CO.(OHIO), 36-40, sr. engr. 45-46, group engr. 46-49, group supvr. admin. process design, 49-50, sect. supvr. 50-54, div. chief, process eng. div. 54-59, mgr. for develop. chem. dept. 59-60, MGR, mgt. methods unit, 60-63, eng. & mgt. sci. div. 63-66, ENG. & MGT. INFO. SYSTS. DEPT. 66- U.S.A. 40-45, Lt. Col. AAAS; Inst. Mgt. Sci; Inst. Chem. Eng. Chemical engineering; administration of operations research; process design and administration of process engineering. Address: 26703 Hurlingham Rd, Cleveland, Ohio 44124.

MARSH, DR. GEORGE D, JR, b. Butte, Mont, Feb. 12, 35; m. 58; c. 2. PSYCHOLOGY. B.A. Calif. State Col. Los Angeles, 57, M.A. 60; Ph.D. (psychol), California, Berkeley, 65. ASST. PROF. PSYCHOL, LEHIGH, 65- Nat. Inst. Ment. Health grant, 67-68. Psychol. Assn. Discrimination learning; experimental child psychology. Publ: Co-auth. Verbal mediation of transposition as a function of age level, J. Exp. Child Psychol. 66; auth. Inverse relationship between stimulus generalization and discriminability, 67 & Relational learning in the pigeon, 67, J. Comp. & Physiol. Psychol. Address: Dept. of Psychology, Lehigh University, Bethlehem, Pa. 18015.

MARSH, JOHN F(LEMING), Agr. Econ, see 10th ed, Soc. & Behav. Vols. New address: 18 N. Harbour Dr, Ocean Ridge, Delray Beach, Fla. 33444.

MARSH, PRES. JOSEPH F(RANKLIN), b. Charleston, W.Va, Feb. 24, 25. POLITICAL ECONOMY, GOVERNMENT. A.B. Dartmouth Col, 47, univ. fel. 47-48; M.P.A. Harvard, 49; Rotary Found. fel. Oxford, 50-52; hon. LL.D. Davis & Elkins Col, 68. Asst. U.S. Bur. Budget, 47; asst. U.S. Senate & consult. Hoover Cmn. Re-organ. Exec. Br. Govt, 48; asst. U.S. Dept. Treas. 48; instr. great issues, Dartmouth Col, 52-54, econ. 53-55, asst. prof. 55-59, faculty resident, Cutter Hall, 54-59; PRES. CONCORD COL, 59- Mem. U.S. Dept. State-Am. Assn. Cols. Teacher Ed. ed. mission, United Arab Repub. 64. Dir. Bank of Athens, 66-; mem. W.Va. Coun. Crime & Delinquency, 66- U.S.N. 43-46, Lt. Am. Acad. Polit. & Soc. Sci. Am. Arbit. Assn; Am. Econ. Assn; Am. Polit. Sci. Assn; Am. Soc. Pub. Admin; Royal Inst. Pub. Admin. Public administration; economic policy; industrial organization and control; labor. Publ: An experiment in college education, Social Ed; A critique of American higher education, J. Higher Ed; Enactment of the FBI Retirement Bill, In: Public administration and policy development. Address: President's Office, Concord College, Athens, W.Va. 24712.

MARSH, PROF. LEONARD C(HARLES), b. Eng. Sept. 24, 06. ECONOMICS, SOCIOLOGY. B.Sc. London, 28; M.A. McGill, 32, Ph.D. 40. Dir. soc. sci. res. McGill, 31-41; res. adv. Cmt. on Reconstruct. Dominion Govt. 41-44; chief welfare studies, sr. info. officer & ed. Coun. Proc. European Off. UN Relief & Rehab. Admin. 44-46; res. prof. sch. soc. work, BRITISH COLUMBIA, 47-64, PROF. ED. SOCIOL, 65- Spec. lectr. sch. planning, sch. archit. & faculty med. British Columbia. Mem. bd. Can. Coun. Urban & Regional Res. 64-67. Can. Assn. Adult Ed; Can. Sociol. & Anthropol. Assn; Community Planning Assn. Can; Can. Assn. Sociol. Studies; Brit. Sociol. Assn. Urbanism; education. Publ: Canadians in and out of work, 40; Social security for Canada, 43; A regional college for Vancouver Island, 66. Address: Faculty of Education, University of British Columbia, Vancouver, B.C. Can.

MARSH, PROF. LUTHER A(LVIN), b. Lebanon, Tenn, Oct. 24, 25; m. 50; c. 3. PSYCHOLOGY. B.S. Abilene Christian Col, 48; M.Ed. Texas, Austin, 53. Teacher, pub. schs. Tex. 51-55; instr. PSYCHOL, ABILENE CHRISTIAN COL, 55-56, asst. prof. 56-65, ASSOC. PROF. 65- DIR. TESTING, 56-, DIR. COUNSELING, 66- Teaching asst. Baylor, 58-59; lectr. & intern. Texas, Austin, 60-62; staff psychologist, Austin State Sch. 62-63. Nat. Coun. Measurement in Ed; Psychol. Assn; Ed. Res. Assn; Personnel & Guid. Assn. College guidance, including testing, counseling and research; learning and personal factors related to programmed instruction and teaching machines;

development and changes in college students, especially values and character. Address: Dept. of Psychology, Abilene Christian College, ACC Station, Box 8180, Abilene, Tex. 79601.

MARSH, PROF. MARGARET, b. Brooklyn, N.Y., Aug. 22, 93; m; c. 1. POLITICAL SOCIOLOGY. A.B. Smith Col, 14, A.M. 16. Exec. secy. Am. Assn. Int. Conciliation, 17-25; asst. Dartmouth Col, 25-27; from instr. to prof. SOCIOL. SMITH COL, 27-59, EMER. PROF, 59- Rockefeller Found. fel, 45-46. Sociol. Assn. Role of foreign investments in Latin American economy; bankers in Bolivia, a study of American foreign investment; monoculture and the level of living. Address: Dept. of Sociology & Anthropology, Smith College, Northampton, Mass. 01060.

MARSH, DR. PATRICK O(TIS), Rhet. & Pub. Address, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

MARSH, DR. PAUL E, b. Baltimore, Md., Aug. 25, 22; m. 48; c. 2. POLITICS, EDUCATION. A.B. Harvard, 44, M.A. 54, Ed.D.(admin), 64. Teacher hist, Browne & Nichols Sch. Mass, 48-56, head dept, 49-56; master, Concord Acad, 56-57; CONSULT, POLIT. OF ED, 57- Consult, dept. polit. sci, Mass. Inst. Tech, 58-59; Maxwell Sch, Syracuse Univ, 60-63; Teachers Col, Columbia, 63; Commonwealth of Mass. Spec. Cmn, 63-65; voc. ed. study, Mass. Inst. Tech, 65-67; Arthur D. Little, Inc, Mass, 67- U.S.N.R., 42-47. Polit. Sci. Assn; Acad. Polit. & Soc. Sci. Economics and politics of public school systems and their relationship to levels of government and organized bodies of knowledge. Publ: Co-auth, Schoolmen and politics, Syracuse Univ, 61, Federal aid to science education: two programs, Syracuse Univ, 62 & Massachusetts education study, Commonwealth of Mass, 65. Address: Bedford Rd, Lincoln Center, Mass. 01773.

MARSH, PROF. ROBERT M(ORTIMER), b. Everett, Mass., Jan. 22, 31; m. 57; c. 2. SOCIOLOGY. A.B. Chicago, 52; M.A. Columbia, 53, univ. fel, 55, Ford Found. fel, 56-58, Ph.D., 59. Lectr. SOCIOL, Columbia, 57; from instr. to asst. prof, Michigan, 58-61; asst. prof, Cornell, 61-65; ASSOC. PROF, BROWN, 67- Grants, Rackham faculty res, Michigan, 58-61; Am. Coun. Learned Soc, 60; Soc. Sci. Res. Coun, 63 & 67; Nat. Inst. Ment. Health, 64-66. Sociol. Assn. Modernization in Asia; social stratification and mobility; formal organization. Publ: The Mandarins: the circulation of elites in China, Macmillan Comparative sociology: a codification of cross-societal analysis, Harcourt, 67. Address: Dept. of Sociology & Anthropology, Brown University, Providence, R.I. 02912.

MARSHAK, DR. SEYMOUR, b. Brooklyn, N.Y., May 2, 22; m. 50; c. 4. BUSINESS ADMINISTRATION, ECONOMICS. B.S. Temple, 48; M.B.A. Michigan, 49; Ph.D.(bus. admin), N.Y. Univ, 57. Instr. mkt, Detroit, 49-52; asst. prof, Rider Col, 52-56; assoc. prof, DePaul, 56-57; v.pres. mkt. res, Nat. Analysts, Inc, 57-61; consumer res. mgr, Ford Div, Ford Motor Co, 61-63, mkt. res. mgr, 64-67, Lincoln-Mercury Div, 63-64, mkt. res. mgr, Ford Div, 64-67, ADVERT. & DISTRIBUTION RES. MGR, FORD MOTOR CO, 67-Mem. Advert. Res. Found. & Coun. Mkt. Res. Mgr, Nat. Indust. Conf. Bd. Mkt. Assn; Mgt. Assn; Econ. Assn; Statist. Assn; Pub. Opinion Res; Automotive Mkt. Res. Coun. Marketing; statistics; management. Address: Ford Motor Co, American Rd, Dearborn, Mich. 48121.

MARSHALL, ANDREW W(ALTER), b. Detroit, Mich., Sept. 13, 21; m. 53. ECONOMICS, STATISTICS. M.A. Chicago, 49. STAFF MEM, soc. sci. div, RAND CORP, 49-50, ECON. DIV, 50- Asst. prof, Chicago, 53-54. Consult, bur. budget, Off. President, 65- Statist. Assn; Economet. Soc; Inst. Math. Statist; Inst. Strategic Studies; Opers. Res. Soc; Int. Statist. Inst. Econometrics; Mathematical statistics; operations analysis. Publ: Co-auth, Psychosis and civilization, Methods of reducing sample size in Monte Carlo computations, J. Opers. Res. Soc. Am. & Application of Markov processes to the study of the epidemiology of mental disease, J. Am. Statist. Assn. Address: Rand Corporation, 1700 Main St, Santa Monica, Calif. 90406.

MARSHALL, DR. BYRON KIPLING, Mod. Japanese Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MARSHALL, DR. DONALD STANLEY, b. Danvers, Mass., Sept. 10, 19; m. 45; c. 4. ANTHROPOLOGY. A.B. Harvard, 50, M.A. 51, McConaughy fel, 51-57, univ. fel, William Cabot Martin fel. & Am. Coun. Learned Soc. grant-in-aid, 53, Thaw fel, 54, Ph.D.(anthrop), 56; Fulbright award, New Zealand, 51-52; Auckland, N.Z., 52; Ling. Inst, 53. Res. anthropologist Polynesia, Peabody Mus, Salem, 54-58; GEN. ANTHROPOLOGIST, FAR LANDS HOUSE, 59- Pub. lectr, 49-; lectr, Auckland, 51-52; prnl. lectr. & radio talks to govt. officers, teachers, scholars and serv. orgn. in various parts of the world, 51-; asst. Harvard, 53-54; Nat. Res. Coun. res. grant, 57; Guggenheim fel, 57-58; res. fel, Harvard, 60; Peabody Mus. Polynesian fel, 62; Kircher grant-in-aid, Peabody Mus. Salem, 65-66. Exped. to Polynesia, 51-53, 54-55, 57-58, 59, 60, 61, 63 & 67; vis. to Hawaiian Islands & S.Vietnam, 65; Hawaii, Thailand & S.Vietnam, 67. U.S.A., 42-46, Res, 46-. Lt. Col. Fel. AAAS; fel. Anthropol. Assn; fel. Am. Geog. Soc; fel. Sociol. Assn; Assn. Phys. Anthropol; Ethnol. Soc; Ling. Soc; fel. Soc. Appl. Anthropol; Soc. Sci. Study Relig; Acad. Polit. & Soc. Sci; Mil. Govt. Assn; Linguistic Soc. N.Z.; French Soc. Oceanists; Polynesian Soc; Far-East Prehist. Assn; fel. Royal Anthropol. Inst. Gt. Brit; Soc. Study Oceania. Development of an overall theory to explain human behavior utilizing Polynesia as a social laboratory; operational analysis of nuclear warfare; linguistics; glottochronology; craniometry; material culture analysis; leadership; kinship and social structure. Publ: Island of passion, Geo. Allen & Unwin, Ltd, London, 62; co-auth, A dictionary of some Tuamotuan dialects of the Polynesian language, M. Nijhoff's N.V. Netherlands; auth, General anthropology—strategy for a human science, Current Anthropology, 2/67. Address: Far Lands House, 3414 Halcyon Dr, Alexandria, Va. 22305.

MARSHALL, PROF. DOUGLAS G(ORDON), b. Beeton, Ont., Jan. 3, 15; m; c. 2. RURAL SOCIOLOGY. B.S. Agr. & Mech. Col, 40; M.S. Mont. State Col, 41; Ph.D. Wisconsin, 43. Asst. prof. rural sociol, Wisconsin, 43-44, 45-46; lectr, Toronto, 44-45; asst. prof, Minnesota, 46-48, assoc. prof, 48-52; RURAL SOCIOL, WISCONSIN, 52-53, PROF, 53-, CHMN. DEPT, 53-55, 59- Consult, bur. agr. econ, U.S. Dept. Agr, 44-46. Rural Sociol. Soc; Sociol.

Assn; Statist. Assn; Pop. Assn. Population. Publ: Population characteristics, resources and prospects in the north central region, Agr. Exp. Sta. Res. Bull, Univ. Wisconsin, 4/59, Co-auth, Estimated population changes by counties, Wisconsin July 1, 1964 and July 1, 1965, Pop. Note 6, 11/65 & Population changes and forecasts in Wisconsin by counties, 1960-1980, Pop. Series 11, 12/66, Dept. Rural Sociol, Univ. Wisconsin. Address: 240 Agriculture Hall, University of Wisconsin, Madison, Wis. 53706.

MARSHALL, PROF. ETHEL LUCILE, Econ, see 10th ed, Soc. & Behav. Vols, deceased 62.

MARSHALL, PROF. F. RAY, b. Oak Grove, La., Aug. 22, 28; m. 46; c. 5. ECONOMICS. B.A. Millsaps Col, 49; M.A. La. State, 50; Ph.D.(econ), California, Berkeley, 55. From asst. prof. to assoc. prof. ECON, Mississippi, 53-57; from assoc. prof. to prof, La. State, 57-62; prof, Texas, Austin, 62-67; ALUMNI PROF, KENTUCKY, 67- Fulbright res. scholar, Finland, 56-57; Wertheim fel, Harvard, 59-60; Ford faculty res. grant, 64-65. Mem. cmt. admin. training progs, U.S. Dept. Health Ed. & Welfare, 67-68; n.cent. manpower adv. cmt, U.S. Dept. Labor, 68- U.S.N., 44-46, Res, 46-, Comdr. Econ. Assn; Indust. Rels. Res. Assn; Arbit. Assn. Labor and manpower economics, especially national manpower programs and the employment and training of minorities. Publ: The Negro worker, Random, 67; co-auth, Labor economics: wages, employment and trade unionism, Irwin, 67 & The Negro and apprenticeship, Johns Hopkins Univ, 67. Address: Dept. of Economics, University of Kentucky, Lexington, Ky. 40506.

MARSHALL, DR. GEORGE, b. New York, N.Y., Feb. 11, 04; m. 30; c. 2. ECONOMICS, CONSERVATION. B.A. Columbia, 28, M.A. 27; Ph.D.(econ. & govt), Brookings Grad. Sch, 30. Asst. ed, Encyclop. Soc. Sci, 29-31; economist, consumers div, Nat. Recovery Admin, 34-37; consult, Nat. Resources Cmt, 37-38; managing ed, Living Wilderness, 57-61, contrib. ed, 62-63; pres, SIERRA CLUB, 66-67, SECY, 65-66, 67- Econ. Assn; fel. Geog. Soc; Wilderness Soc. Economic organization and controls; conservation of natural resources; geographical exploration; understanding, appreciation, and preservation of areas of wilderness including their cultural, aesthetic, recreational, wild, and scientific values; civil liberties and civil rights. Publ: Ed. & contrib, Arctic wilderness; Cottonseed: joint products and pyramidal control, In: Price and price policies; plus articles in conserv. publ. & encyclop. Address: 800 Bel-Air Rd, Los Angeles, Calif. 90024.

MARSHALL, DR. GEORGE RAPHAEL, b. London, Eng., Oct. 16, 32; U.S. citizen; m. 60; c. 1. PSYCHOLOGY. B.A. Brooklyn Col, 59; Nat. Inst. Ment. Health fel, N.Y. Univ, 61-63, Ph.D.(psychol), 63. Lectr, Brooklyn Col, 61-63; mem. tech. staff, Bell Tel. Labs, 63-64; ASST. PROF. PSYCHOL, State Univ. N.Y., 64-66; SIR GEORGE WILLIAMS, 66- Nat. Insts. Health res. grant, 64-65. Consult, Vet. Hosps, Montreal, 66- Am. Psychol. Assn; Psychonomic Soc; Can. Psychol. Assn. Perception; verbal behavior; communication; behavior modification. Publ: Co-auth, Associative indices as measures of word relatedness: a summary and comparison of ten methods, 63 & auth, Stimulus characteristics contributing to organization in free recall, 67, J. Verbal Learning & Verbal Behav; Toilet training of an autistic eight year old through conditioning therapy: a case report, Behav. Res. Ther, 4: 242-245. Address: Dept. of Psychology, Sir George Williams University, Montreal 25, Que, Can.

MARSHALL, DR. GLORIA A, b. Ft. Lauderdale, Fla., Aug. 14, 38; div; c. 1. ANTHROPOLOGY. Ford Found. scholar, Fisk, 53-56 & Oberlin Col, 57, A.B. Oberlin Col, 57; M.A. Columbia, 59, Dyckman Inst. scholar & John Hay Whitney fel, 59-60, Ph.D.(anthrop), 64; Ford Found. For. Area fel, London, 61-63; Carnegie fel, Chicago, 63-64. Asst. prof. anthrop, N.Y. Univ, 64-67; ASST. PROF. ANTHROP. & RES. ASSOC. CENTER RES. ECON. DEVELOP, MICHIGAN, 67-, Horace H. Rackham grad. sch. faculty res. grant, 68. Anthropol. Assn; African Studies Assn. African ethnology; internal market systems in West Africa; Yoruba culture. Publ: The marketing of farm produce: some patterns of trade among women in Western Nigeria, J. Nigerian Inst. Soc. & Econ. Res, 63; Marriage: comparative analysis, Int. Encyclop. Soc. Sci, 68; Racial classifications: popular and scientific, In: Science and the concept of race, Columbia Univ, 68. Address: Dept. of Anthropology, 221 Angell Hall, University of Michigan, Ann Arbor, Mich. 48104.

MARSHALL, DR. HELEN, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 68.

MARSHALL, PROF. HELEN E(DITH), Am. Soc. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MARSHALL, PROF. HOWARD D(RAKE), b. Poughkeepsie, N.Y., Apr. 9, 24; m. 54; c. 2. ECONOMICS. A.B. Columbia, 47, M.A. 49, Ph.D. 54. Instr. ECON, VASSAR COL, 49-54, asst. prof, 54-59, assoc. prof, 59-66, PROF, 66- Vis. asst. prof, Wesleyan, 55-56. U.S.A. 43-46. Econ. Assn; Indust. Rels. Res. Assn. Labor; economic thought; theory. Publ: The mobility of college faculties, Pageant, 64; auth, The great economists, 67 & co-auth, The history of economic thought, 68, Pitman. Address: 87 Raymond Ave, Poughkeepsie, N.Y. 12601.

MARSHALL, DR. HUBERT, b. Chicago, Ill., Jan. 16, 20; m. 47; c. 2. POLITICAL SCIENCE. A.B. Antioch Col, 47; Ph.D. North Carolina, 50. Asst. inst. for Res. Soc. Sci, 49; asst. prof. polit. sci, Florida, 50-52; mem. prog. staff, off. secy, U.S. Dept. Interior, 52-53; asst. prof. POLIT. SCI, STANFORD, 53-57, assoc. prof, 57-65, PROF, 65-, asst. dir, study undergrad. ed, 55-56. Dir. Nat. Sci. Found. Study State Supported Res. Calif, 54-55. Mem. exec. bd, Inter-Univ. Case Prog, 58-63. Polit. Sci. Assn; Soc. Pub. Admin. Public administration; national government; natural resources; decision making. Publ: Public administration of Florida's natural resources: Undergraduate in the university; co-auth, The federal-state struggle for offshore oil, Bobbs, 66. Address: Dept. of Political Science, Stanford University, Stanford, Calif. 94305.

MARSHALL, DR. I(RVING) ARTHUR, b. Brooklyn, N.Y., Aug. 31, 11; m. 38; c. 3. PSYCHIATRY. M.D. Emory, 37. Mem. faculty PSYCHIAT, Menninger Found, 46-52; instr. sch. med, Washington (Seattle), 52-53; ASSOC. CLIN.

PROF. SCH. MED. SOUTHERN CALIFORNIA, 55-; MED. DIR. WOODVIEW HOSP. VAN NUYS, 59- Private practice, psychiat. & psychoanal. 53- Med. dir. psychiat. Pineda Found, Seattle, Wash, 52-53; sr. attend. psychiatrist, Los Angeles County Gen. Hosp, 55-; chmn. Prfl. Adv. Cmt. San Fernando Valley Child Guid. Clin; clin. dir. Pac. Lodge Boys' Home, 57-; dir. clin. serv. Laurence Sch, 57- U.S.A. 41-45. Am. Med. Assn; Psychiat. Assn; Orthopsychiat. Assn; Pan Am. Med. Assn. Psychoanalysis. Address: Woodview Hospital, 6323 Woodman Ave, Van Nuys, Calif. 91405.

MARSHALL, DR. JOSEPH HARTWELL, b. Augusta, Ga. July 22, 36; m. 60; c. 2. AGRICULTURAL ECONOMICS. B.S. Georgia, 57; M.S. Cornell, 58, Ph.D.(agr. econ). 63. Mgr. Marshall Farms, Ga, 58-60; asst. mkt. Cornell, 60-63; DIR. RES. & DEVELOP. GOLD KIST POULTRY DIV, COTTON PRODUCERS ASSN, 63- Agr. Econ. Assn; Mkt. Assn; Inst. Food Tech; World Poultry Sci. Assn. Food economics and marketing; product development; economic feasibility studies. Publ: Expanding the market for fowl through new products, Cornell Univ. Agr. Exp. Sta. Bull. 998, 8/64; Poultry and the world food situation, World's Poultry Cong. Proc. 66. Address: Gold Kist Poultry Division, Cotton Producers Association, P.O. Box 2210, Atlanta, Ga. 30301.

MARSHALL, DR. LOUIE WOODWARD, b. Vienna, Ga. Dec. 9, 21; m. 61; c. 3. PSYCHIATRY. A.B. Wesleyan Col.(Ga), 42; M.D. Georgia, 48; Wash. Sch. Psychiat, 54-57. Res. technician, Carborundum Co, N.Y., 42-43 & 44; intern, Univ. Hosp, Augusta, Ga, 48-49, res. psychiatrist, 49-50; St. Elizabeths Hosp, Wash, D.C., 50-51; Sheppard & Enoch Pratt Hosp, Towson, Md, 51-52; sr. asst. physician, Spring Grove State Hosp, Baltimore, 52-53, psychiatrist, 53-55, chief serv, 55-59; asst. prof. PSYCHIAT, MED. COL. GA, 59-60, ASSOC. PROF, 60- Eve. clin. psychiatrist, intern, Univ. Maryland, 53-54, psychiatrist-in-charge, Tri-County Guid. Clin. Children & Adults, Martinsburg, W.Va., 54-57; part-time private practice, Md, 54-59; attend. psychiatrist, Vet. Admin. Hosp, Augusta, Ga, 59-; consult, Ga. Training Sch. & Hosp, 60-61; div. voc. rehab, State Hosp, Milledgeville, 61-; Cent. State Hosp, 66- Acad. Relig. & Ment. Health; fel. Psychiat. Assn; Nat. Rehab. Assn; Am. Med. Assn; Coun. Med. TV. Use of television in teaching psychiatry to medical students and vocational rehabilitation counselors. Address: Dept. of Psychiatry, Medical College of Georgia, Augusta, Ga. 30902.

MARSHALL, DR. MARYLYN, b. Chardon, Ohio, Nov. 13, 34; m. 64; c. 1. PSYCHOLOGY. B.A. Lake Erie Col, 56; Fulbright scholar, Göttingen, 56-57; M.A. Bowling Green State, 59; Ph.D.(psychol), Iowa, 62. Lectr. PSYCHOL, Lake Erie Col, 58-59; instr. CARLETON (CAN), 62-63, asst. prof, 63-64, ASSOC. PROF, 67- Defense Res. Bd. Can. res. grants, 63-66. Am. Psychol. Assn; Can. Psychol. Assn. Transfer of human learning; history of psychology. Address: Dept. of Psychology, Carleton University, Ottawa 1, Ont, Can.

MARSHALL, PROF. MARTIN V(IVAN), b. Kansas City, Mo, July 22, 22; m. 51; c. 3. MARKETING. A.B. Missouri, 43; M.B.A. Harvard, 47, D.C.S. 53. Instr. mkt. Kansas, 47-48; advert. HARVARD, 49-51, asst. prof. BUS. ADMIN, 51-57, assoc. prof, 57-62, PROF, 62- Vis. prof, Mgt. Develop. Inst, Switz, 65-66; Indian Inst. Mgt, 68. Consult, 49- U.S.N. 43-46, Lt. Mkt. Assn; Acad. Advertising. Determination of the effectiveness of various communication devices; strengths and weaknesses of methods of longer term corporate planning. Publ: Automatic merchandising; Advertising management; Potentialities and limitations of vending. Address: Harvard Business School, Boston, Mass. 02163.

MARSHALL, DR. NATALIE J, b. Milwaukee, Wis, June 13, 29; m. 54; c. 2. ECONOMICS. A.B. Vassar Col, 51; M.A. Columbia, 52, Ph.D.(econ), 63; fel. Wesleyan, 55-56. Instr. ECON, Vassar Col, 52-54 & 59-60; asst. prof, State Univ. N.Y. COL. NEW PALTZ, 64-65, ASSOC. PROF, 65- Public finance; macro-economics; history of economic thought. Publ: Co-ed, The history of economic thought, Pitman, 68; co-auth. Non stoppage strike proposals—a critique, Labor Law J, 56; auth. A note on state reserve plans in operation, Nat. Tax J, 57. Address: Dept. of Economics, State University of New York, College at New Paltz, New Paltz, N.Y. 12561.

MARSHALL, PROF. R(OBERT) G(EOURGE), b. Ont, Oct. 23, 21; m. 45; c. 4. AGRICULTURAL ECONOMICS. B.S.A. Ont. Agr. Col, 55; M.S. Mich. State, 56; Nat. Res. Coun. Can. fel, Toronto, 58-59. From asst. prof. to ASSOC. PROF. AGR. ECON, ONT. AGR. COL, GUELPH, 58- R.C.A.F. 40-45, Flying Officer. Am. Agr. Econ. Assn; Can. Agr. Econ. Soc. Agricultural marketing, prices and policy. Address: Dept. of Agricultural Economics, Ontario Agricultural College, University of Guelph, Guelph, Ont, Can.

MARSHALL, PROF. ROBERT H(ERMAN), b. Harrisburg, Pa, Dec. 6, 29; m. 58; c. 3. ECONOMICS. A.B. Franklin & Marshall Col, 51; scholar, Ohio State, 51-52, M.A. 52, Ph.D. 57. Asst. ECON, Ohio, 52-54, asst. instr, 54-56, instr, 56-57; asst. prof, ARIZONA, 57-61, assoc. prof, 61-65, PROF, 65-, HEAD DEPT, 67- Econ. Assn. Analysis of bank mergers and their possible effects upon banking competition and upon relevant market areas of banking units. Publ: Bank mergers and the nature of competition-in-banking, Am. J. Econ. & Sociol, 10/60; Common market implications for the United States, In: international business management: readings and cases, Wadsworth, 63; co-auth. Critique and review of bank loan loss reserves, The Bankers Mag, autumn 66. Address: Dept. of Economics, University of Arizona, Tucson, Ariz. 85721.

MARSHALL, DR. ROBERT J(OSEPH), b. Passaic, N.J., Nov. 15, 28; m. 53; c. 2. PSYCHOLOGY. B.S. Rutgers, 50; M.S. City Col. New York, 51; Ph.D. Buffalo, 58. Asst. psychol, Buffalo, 52-53; intern clin. psychol, 53-54; Lettermann Army Hosp, San Francisco, Calif, 54-55; clin. psychologist, Ment. Hyg. Consult. Serv, Ft. Dix, N.J., 56-57, chief clin. psychologist, Ft. Dix Army Hosp. & Ment. Hyg. Consult. Serv, N.J., 58-59; staff psychologist, Vet. Admin. Hosp, Montrose, N.Y., 59-61, chief clin. psychol, 61-64; CHIEF PSYCHOL. SERV, LINCOLN HALL, LINCOLNDALE, 64- Lectr. Hunter Col, 60-62; fel. Postgrad. Center Ment. Health, 64- Dir. psychol. serv. Youth & Young Adult Consultation Serv, Ossining, N.Y., 62-64. Dipl. Am. Bd. Exam. Prfl. Psychol, 64. U.S.A. 54-59, Res. 60-, Capt. Psychol. Assn. Individual and group psychotherapy; psychodiagnostic testing; small group processes; psychoanalytic symbolism; self concept; milieu therapy; training and super-

vision of quasi-professionals in mental health activities; evaluation of therapy programs. Publ: Field testing program in clinical psychology, Armed Forces Med. J.; The prediction of rehabilitative potential of stockade prisoners via psychological tests, J. Clin. Psychol; A guide toward establishing patient government, Ment. Hyg, 65. Address: Box 10B, Albany Post Rd, Croton-on-Hudson, N.Y. 10520.

MARSHALL, DR. SIMONE, b. Paris, France, Sept. 13, 24; nat; m. 53; c. 2. CLINICAL & CHILD PSYCHOLOGY. Dipl. Nat. Inst. Voc. Guid, France, 48; lic, Paris, 49; Fulbright scholar, Columbia, 51-52, M.A. 52, Ph.D.(clin. psychol), 59. Voc. guid. counsr, Nat. Bd. Ed, France, 48-51; clin. psychologist, child guid. clin, Children's Hosp, Buffalo, N.Y., 53-54; New Lisbon State Colony, N.J., 56-58; clinician & instr, psychol. clin, Rutgers, 58-59; clin. psychologist, Children's Village, Dobbs Ferry, 59-60; psychologist, Ossining Pub. Schs, 60-64; psychotherapist, Rockland County Ment. Health Center, 61-65; CLIN. & CHILD PSYCHOLOGIST, 65- Psychol. Assn. Psychosomatic medicine; child development cross cultural factors and personality; evaluation of group therapy techniques on delinquents. Publ: Personality correlates of peptic ulcer patients, J. Consult. Psychol. Address: Box 10 B Albany Post Rd, Croton-on-Hudson, N.Y. 10520.

MARSTON, DR. ALBERT R(UDOLPH), b. Baltimore, Md, Nov. 18, 36; m. 59. CLINICAL PSYCHOLOGY. A.B. Hopkins, 56; U.S. Pub. Health Serv. fel. & Ph.D. Indiana, 60. Intern clin. psychol, Lafayette Clinic, Detroit, Mich, 59-60; asst. prof. & res. assoc. PSYCHOL, Purdue, 60-62; asst. prof, WISCONSIN, 62-64, ASSOC. PROF, 64- U.S. Pub. Health Serv. spec. fel, Inst. Psychiat, Univ. London, 66-67. Chief psychol. consult, clin. serv, Wis. Div. Corrections, 64- Psychol. Assn. Experimental psychotherapy; self-reinforcement in learning and application to therapy; self-control processes. Publ: Self-reinforcement: the relevance of a concept in analogue research to psychotherapy, Psychother: Theory, Res, & Practice, 2: 1-5; Imitation, self-reinforcement and reinforcement of another person, J. Personality & Soc. Psychol, 2: 255-261; Self-reinforcement and external reinforcement in visual motor learning, J. Exp. Psychol, 74: 93-98. Address: Dept. of Psychology, University of Wisconsin, Charter at Johnson St, Madison, Wis. 53706.

MARTEL, RAYMOND J(OSEPH), b. Laconia, N.H. May 2, 28; m. 59; c. 1. PSYCHOLOGY. A.B. Clark, 50, M.A. 55; Tufts, 58-61. Psychometrist, Vet. Admin. Guid. Center, Clark Univ, 53-55; U.S. Army Security Agency Sch, 55-56, psychologist & chief testing br, 56-59; res. psychologist, forensic & legal med, Harvard Med. Sch, 60-61; eng. psychologist, Radio Corp. Am, 61-64; mgr. human eng. & testing, Minuteman prog, Sylvania Electronic Systems, 64-66; staff eng. psychologist, Itel Corp, 66-67; ENG. PSYCHOLOGIST, AM. INST. RES, 67- Psychol. Assn; Human Factors Soc. Human factors design problems in man-machine systems; personnel system development and evaluation; experimental research in operator performance; psychophysical scaling; perceptual processes in electro-optical and photo-optical systems. Address: 4 Hardy Rd, Bedford, Mass. 01730.

MARTEL, ROBERT J(OHN), b. Somerville, Mass, Aug. 9, 36; m. 56; c. 5. BEHAVIORAL SCIENCE, STATISTICS. B.S. Boston, 62; M.S. Mass. Inst. Tech, 66. Engr. Gen. Elec. Co, 54-58; Sylvania Electronic Sys, 58-62; analyst, United Shoe Mach. Corp, 62-64; sr. analyst, Tech. Opers, Inc, 64-66; MGR. OPERS. RES. PRICE WATERHOUSE & CO, 66- Price Waterhouse lectr, Babson Inst. & lectr, grad. sch. bus. admin, Boston Col, 67-68. Inst. Mgt. Sci; Opers. Res. Soc; Statist. Assn. Theoretical research on decision-making under uncertainty; experimental research on psychological processes in human decision-making and the consistent use of judgmental probabilities in statistics. Publ: Consistency and optimality in subjective portfolio selection by committee, Mass. Inst. Tech, 66. Address: Price Waterhouse & Co, 225 Franklin St, Boston, Mass. 02110.

MARTELLARO, PROF. JOSEPH ALEXANDER, b. Rockford, Ill, July 20, 24; m. 45; c. 3. ECONOMICS. A.B. Notre Dame, 56, M.A. 58, fel, 58-60, Ph.D. 62. Pres, Martell Radio & Appliance, Inc, Ind, 54-57; instr, bus. sch, Notre Dame, 60; ECON, Indiana, 61-62, asst. prof, 62-66, assoc. prof, 66-67, asst. chmn. dept, 67; PROF, NORTHERN ILLINOIS, 67- Fulbright grant, Italy, 60-61; Fulbright vis. prof, Argentina, 65; res. grant, Indiana, 65-67. U.S.A. 43-44. Econ. Assn; Soc. Int. Develop. Economic development, especially in Southern Italy; Soviet economics. Publ: The Argentine economy, 68; Economic development in southern Italy, 1950-1960, Catholic Univ. Am. Press, 65; Indelible impressions of Italy, The Cresset, 4/68. Address: 429 South Seventh St, De Kalb, Ill. 60115.

MARTENS, HARVEY ARTHUR, b. Bancroft, S.Dak, Mar. 19, 28; m. 56; c. 3. PUBLIC ADMINISTRATION, POLITICAL SCIENCE. B.S. S.Dak. State, 51; M.P.A. Syracuse, 52; American Univ, 55-62. Mgt. analyst, admin. off, Exec. Off. Secy. Navy, 52-53 & 55-57, head mgt. develop. staff, navy mgt. off, 58-62, ed, Navy Mgt. Rev, 60-62; mgt. analyst, off. mgt. appraisals, Off. Secy. Agr, 62-64; dir. spec. projs, Am. Soc. Pub. Admin, 64-65; DIR. PUB. ADMIN. PROGS, MAXWELL SCH, SYRACUSE, 65- Consult, Off. Personnel & Manpower, Agency Int. Develop, 67- U.S.A. 53-55, Res, 55-, Maj. Soc. Pub. Admin.(ed, ASPA News, 62-64); Polit. Sci. Assn. Education and training in public administration; organization and management; systems analysis and design; personnel administration. Address: 101 Hamilton Pkwy, Dewitt, N.Y. 13214.

MARTI, DR. JORGE L(UIS), Spanish, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.

MARTIN, PROF. ALBERT B, b. Pittsburgh, Pa, Dec. 31, 05; m. 34; c. 2. POLITICAL SCIENCE. A.B. Muskingum Col, 28; M.A. Pittsburgh, 38, Ph.D. (polit. sci), 46. Instr. POLIT. SCI, PITTSBURGH, 38-46, asst. prof, 46-52, assoc. prof, 52-55, PROF, 55-, dean sch. lib. arts, 60-65, dean faculty on assignment to inst. admin, Ahmadu Bello Univ, Nigeria, 64-65. Instr. dir. admin, Commonwealth of Pa, 55-56; pub. interest dir. & chmn. bd. dists, Fed. Home Loan Bank of Pittsburgh, 65- Polit. Sci. Assn; Soc. Pub. Admin. Public administration; American and urban government. Address: Dept. of Political Science, University of Pittsburgh, Pittsburgh, Pa. 15213.

- MARTIN, DR. ANNA Y, b. Bismarck, Mo; m; c. 1. CLINICAL PSYCHOLOGY. B.A. & M.S. N.Tex. State Teachers Col, 36; M.A. Baylor, 38; Ph.D.(clin psychol), Texas, 46. Assoc. prof. psychol, Baylor, 36-46; psychol, New Mexico Highlands 46-49, prof. & head dept, 46-59, dean women & dir. psychol. clin, 46-59; vis. prof. psychol, Montana State, 59-60; prof. psychol, Taiwan, 61-62; CLIN. PSYCHOLOGIST, INST. AM. INDIAN ARTS, 63- Fel. Psychol. Asn. Mental hygiene; abnormal, clinical and adolescent psychology; Rorschach pattern in non-deteriorated epileptics. Address: La Casa Loma Apts, 224 Rio Vista, Place, Santa Fe, N.Mex. 87501.
- MARTIN, DR. ANTHONY W(ILLIAM), b. Suffolk, Eng, Nov. 15, 23; m. 51; c. 3. PSYCHOLOGY. M.A. Glasgow, 50; Ph.D.(psychol), Purdue, 54. Fel. med. sch, Pittsburgh, 54-55; res. assoc. Am. Inst. Res, 55; consult. psychologist, ROHRER, HIBLER & REPLOGLE, 55-58, PARTNER, 58- R.A.F., 42-47. Psychol. Asn. Executive selection and development; business administration; organizational planning and development. Publ: Co-auth, Comparative study of the drawing made by various clinical groups, J. Ment. Sci; Raven's colored progressive matrices and the W.I.S.C.; and Mosaic productions in cerebro-arteriosclerosis, J. Consult. Psychol. Address: 39 Stonehenge Dr, New Canaan, Conn. 06840.
- MARTIN, PROF. BARCLAY C(LUCK), b. Houston, Tex, Oct. 24, 23; m. 50; c. 3. PSYCHOLOGY. B.S. Stanford, 47, Ph.D.(psychol), 53. PROF. PSYCHOL, WISCONSIN, 53- U.S.A., 43-46. Psychol. Asn. Human personality; psychotherapy; family interaction and deviant behavior. Publ: Assessment of anxiety by physiological behavioral methods, 61 & Reward and punishment associated with the same goal response, 63, Psychol. Bull; Family interaction associated with child disturbance, Psychotherapy, 67. Address: Dept. of Psychology, University of Wisconsin, Madison, Wis. 53706.
- MARTIN, DEAN BOYD A(RCHER), b. Cottonwood, Idaho, Mar. 3, 11. POLITICAL SCIENCE. B.S. Idaho, 36; A.M. Stanford, 37, Ph.D., 43. Instr. POLIT. SCI, IDAHO, 38-43, asst. prof, 43-44, assoc. prof, 44-47, PROF, 47- DEAN COL. LETTERS & SCI, 55-, head dept. social sci. & asst. dean col, 47-55. Vis. prof, Stanford, 52; vis. prof. & affiliate center study higher ed, California, Berkeley, 62-63. Mem. For. Policy Asn-World Affairs Center; steering cmt, Northwest Conf. Higher Ed, 62-68, chmn, 65-66; mem. exec. cmt. bd. dirs, Nat. Asn. Partners Alliance, coord. cmt. N.Am, Cent. Am. & S.Am. Polit. Sci. Asn; Soc. Pub. Admin. Political parties; American and local government; problems of peace; public administration. Publ: Ed, Responsibilities of colleges and universities, Oregon State Univ, 66; auth, Reapportionment in Idaho, In: Apportionment in the nineteen sixties, Nat. Munic. League, 67; co-auth, 1966 elections in Idaho, West. Polit. Quart, 67. Address: College of Letters & Science, University of Idaho, Moscow, Idaho 83843.
- MARTIN, PROF. CHARLES E(MANUEL), b. Corsicana, Tex, Sept. 11, 91. INTERNATIONAL LAW & RELATIONS. A.B. California, 14, A.M. 15; fel, Columbia, 16-17, Ph.D., 18; LL.D., Southern California, 42. Carnegie Endowment fel, Columbia, 19; California, Los Angeles, 20-25; head dept. polit. sci, WASHINGTON (SEATTLE), 25-51, prof. polit. sci. & int. law, 25-62, dean soc. sci. faculty, 26-29, chmn. bur. int. rels, 33-62, EMER. PROF. POLIT. SCI. & INT. LAW, 62- Vis. prof, Hawaii, 29, dir, Sch. Pac. & Oriental Affairs, 32; Carnegie Endowment prof, Far East. Univs, 29-30; Rockefeller Found. res. grant, Japan, Formosa, southeast Asia & India, 54-55; lectr, Interam. Acad. Int. & Comp. Law, Havana, Cuba, 57; prof. Am. studies. & dir. Am. studies. prog, Univ. Philippines, 62-64; John R. Haynes distinguished vis. prof, Whittier Col, 64. Participant, Seattle Div, Inst. Pac. Rels. world study trip, 51; U.S.-Pakistan Seminar, Karachi, 63. Chmn, U.S. Cultural & Soc. Sci. Mission, Japan, 48-49. Am. Polit. Sci. Asn; Am. Soc. Int. Law (pres, 60-61); Acad. Polit. & Soc. Sci; Philippine Int. Law Soc; Philippine Polit. Sci. Asn; Int. Law Asn. United States security policy through a revised North Atlantic Treaty Organization; United States role in southeast Asia and Japan; modifications in international law doctrines dictated by the rise of new states. Publ: Introduction to study of American constitution, Oxford, 26; Politics of peace, Stanford, 29; Universalism and regionalism in international law and organization, Interam. Acad. Int. & Comp. Law, Havana, 59. Address: 3828 48th Ave.N.E., Seattle, Wash. 98105.
- MARTIN, PROF. CHARLES F(REDERICK), Econ, see 10th ed, Soc. & Behav. Vols.
- MARTIN, PROF. CLESSEN J(AY), b. Midland, Mich, Apr. 13, 37; m. 56; c. 3. PSYCHOLOGY, EDUCATION. B.A. Alma Col.(Mich), 59; M.A. Wayne State, 61, Ph.D.(psychol), 63. Res. assoc. psychol, Wayne State, 61-63; asst. prof. ed. psychol, MICH. STATE, 63-64, assoc. prof. SPEC. ED, 64-68, PROF, 68- U.S. Off. Ed. res. grants, 64-67, 65-67. Consult, Apollo Support Prog, Gen. Elec. Co, 65-68. Psychol. Asn; Asn. Ment. Deficiency; Int. Am. Sci. Study Ment. Deficiency. Application of learning theory to education; assessment of human performance; language theory and research. Publ: Associative learning strategies employed by retarded and normal children, 67 & Comprehension of telegraphic materials among blind children, 67, Mich. State Publ. Serv; Associative and differentiation variables in all-or-none learning, J. Exp. Psychol, 65. Address: Erickson Hall, Michigan State University, East Lansing, Mich. 48823.
- MARTIN, PROF. CURTIS W(ILSON), b. Raton, N.Mex, Oct. 29, 15; m. 33; c. 2. POLITICAL SCIENCE. B.A. New Mexico, 38, M.A. 40; M.A. Harvard, 49, Ph.D., 50. asst. prof. POLIT. SCI, COLORADO, 50-54, assoc. prof, 54-57, PROF, 57-, chmn. dept. 56-59, dept. soc. sci, 54-56. Univ. Colorado faculty fel, 62, 64-65; Fulbright vis. lectr, Univs. Queensland & New England, Australia, 64 & vis. prof, Univs. Sydney & Tasmania, 64. U.S.N., 42-46, Res, 46-, Lt. Polit. Sci. Asn. American political parties, foreign policy and political thought. Publ: Co-auth, Colorado government and politics, Pruett, 67; Readings in Colorado government and politics, 67 & The Colorado preliminary system, 67, Bur. Govt. Res. & Serv, Univ. Colo. Address: 2018 Hermosa Dr, Boulder, Colo. 80302.
- MARTIN, PROF. DALE ROBERT, b. St. Louis, Mo, Jan. 19, 35. GEOGRAPHY. B.S. Missouri, 56; M.A., 62; Iowa, 62-65. Staff trainee mgt, Sears, Roebuck & Co, 56; West. Elec. Co, 57-60; ASSOC. PROF. GEOG, NORTHEAST MO. STATE TEACHERS COL, 65- U.S.A.R., 57. Asn. Am. Geog.
- Urban and economic geography; landforms. Address: Dept. of Geography, Northeast Missouri State Teachers College, Kirksville, Mo. 63501.
- MARTIN, DR. DAN MERRILL, b. Waterloo, Iowa, Dec. 27, 39. POLITICAL SCIENCE. A.B. Knox Col, 61, M.A. Princeton, 63, Ph.D.(polit. sci), 68. EXEC. ASST, JOHN & MARY R. MARKLE FOUND, 66- Mil.Intel, U.S.A., 64-66, Capt. Polit. Sci. Asn; Am. Studies Asn. American Whig political thought; higher education policy formation. Address: 445 E. 68th St, New York, N.Y. 10021.
- MARTIN, PROF. DAVID D(ALE), b. Dallas, Tex, May 15, 25; m. 47; c. 3. ECONOMICS. B.A. Texas, 46, M.A. 49; Ph.D.(econ), California, Los Angeles, 55. Instr. econ, Washington (St. Louis), 52-55, asst. prof, 55-58; assoc. prof. BUS. ECON. & PUB. POLICY, INDIANA, 58-63, PROF, 63- Consult, antitrust div, U.S. Dept. Justice, 61-62; coun. econ. adv, Exec. Off. President, 63-64; dir. bur. econ, Fed. Trade Cmn, 67- U.S.A.A.F., 43-45, 1st Lt. Econ. Asn; Econ. Hist. Soc. Antitrust policy; managerial economics; economic theory. Publ: Mergers and the Clayton Act, Univ. California, 59; Monopoly power and the durability of durable goods, South. Econ. J., 1/61; Brown Shoe Case and the new antimerger policy, Am. Econ. Rev, 6/63. Address: R.D. 3, 604 Meadowbrook Rd, Bloomington, Ind. 47401.
- MARTIN, DR. DAVID H, b. Charleston, W.Va, Dec. 13, 39; m. 61. PSYCHOLOGY. B.A. David Lipscomb, Col. 61; M.A. George Peabody Col, 62, Ph.D. (psychol), 66. ASST. PROF. PSYCHOL, DAVID LIPSCOMB COL, 66- Psychol. Asn. Teaching psychology, especially the biological and chemical bases of behavior. Publ: Co-auth, Religion and fears about death, Relig. Ed, 4/64 & The relationship between religious behavior and concern about death, J. Soc. Psychol, 65. Address: Dept. of Psychology, David Lipscomb College, Nashville, Tenn. 37203.
- MARTIN, DR. DESMOND D(EMPSTER), b. Springport, Mich. Oct. 15, 37; m. 63. BUSINESS MANAGEMENT. B.A. Mich. State, 59, D.B.A.(mgt), 64; M.S. Fla. State, 61. Asst. prof. MGT, CINCINNATI, 63-66, ASSOC. PROF, 66- Acad. Mgt. Growth, structure and functions of trade associations; management and organizational behavior in voluntary associations. Publ: Co-auth, Emergent American society, Yale, 67. Address: 5838 Shadymist Lane, Cincinnati, Ohio 45239.
- MARTIN, PROF. DOROTHY R(ANDOLPH), b. Denver, Colo, Apr. 19, 12. PSYCHOLOGY. A.B. Colorado, 34, A.M. 36, Ph.D.(psychol), 47; Oregon, 40. Asst. instr. PSYCHOL, COLORADO, 34-37, instr, 37-47, asst. prof, 48-57, ASSOC. PROF, 57-, DIR. REHAB. COUNSR. TRAINING PROG, 55-, COORDINATOR ACAD. PROG. WOMEN'S CENTER, 64- Acting assoc. prof, Kansas, 48-49. Fel. Psychol. Asn. Personality dynamics; rehabilitation counseling. Address: Dept. of Psychology, University of Colorado, Boulder, Colo. 80302.
- MARTIN, DR. EDGAR W(INFIELD), b. Larned, Kans, Nov. 30, 10; m. 46. ECONOMICS. A.B. Washburn Col, 32; A.M. Chicago, 34, Ph.D.(econ), 42. Chmn. econ. dept, Ill. Col, 46-47; assoc. res. analyst, State Budget Div, N.Y., 47-50; dir. res, State Power Authority, 50-54; PRIN. BUDGET EXAM, STATE BUDGET DIV, 54- U.S.A., 42-46, Capt. Econ. Hist. Asn. Educational finance; American economic history. Publ: Standard of living in 1860. Address: 27 Hillcrest Rd, Latham, N.Y. 12110.
- MARTIN, PROF. EDLEY W(AINRIGHT), JR, b. Texarkana, Tex, Apr. 29, 27; m. 50; c. 3. MATHEMATICS. B.S. Ga. Inst. Tech, 46; B.A. Hendrix Col, 47; M.A. Ohio State, 49, Ph.D.(math), 52. Appl. sci. rep, Int. Bus. Mach. Corp, 52-56; assoc. prof. BUS. ADMIN, INDIANA, 56-61, PROF, 61- U.S.N.R., 44-46, Res, 46-59, Lt.(jg). Math. Soc; Inst. Mgt. Sci. Computers and operations research. Publ: Electronic data processing: an introduction, Irwin, rev, 65. Address: 3703 Brownridge Rd, Bloomington, Ind. 47401.
- MARTIN, DR. EDWARD MOSS, b. Chicago, Ill, Sept. 24, 95; m. 24. PUBLIC ADMINISTRATION. A.B. Oberlin Col, 16; Ph.D. Chicago, 38. Staff mem, Inst. Pub. Admin, 22-24; EXEC. DIR. pub. affairs, UNION LEAGUE CLUB OF CHICAGO, 24-60, CIVIC & ARTS FOUND, 60- Secy-treas, State Coun. Mgr. Conf, Ill, 35-; chmn, State Coun. Govt. Personnel, 51- Soc. Pub. Admin. Education for citizenship; practical application of social science principles for improvement of public administration. Publ: Role of the Bar in Electing the Bench in Chicago. Address: Union League Club of Chicago, 65 W. Jackson Blvd, Chicago, Ill. 60604.
- MARTIN, DR. EDWIN (JOHN), b. Washington, D.C., Mar. 14, 34; m. 59; c. 2. PSYCHOLOGY. B.S. New Mexico State, 60, Ph.D.(psychol), Iowa, 63. Asst. prof. PSYCHOL, MICHIGAN, 63-67, ASSOC. PROF, 67-, ASSOC. RES. PSYCHOLOGIST, HUMAN PERMANENCE CENTER, 63- U.S.N., 53-57. AAAS; Psychonomic Soc; Psychol. Asn. Reception and encoding of verbal stimuli; grammatical factors in processing sentential information; history and systematics of learning theory. Publ: Transfer of verbal paired associates, Psychol. Rev, 64; Concept utilization, In: Handbook of mathematical psychology, Vol. III, 65 & Formation of concepts, In: Concept attainment and the structure of memory, 67, Wiley. Address: Dept. of Psychology, University of Michigan, Ann Arbor, Mich. 48104.
- MARTIN, DR. ELMORE A(TMAR), JR, b. Columbia, S.C., June 6, 13; m. 42; c. 5. PSYCHOLOGY. A.B. South Carolina, 34; Ph.D. California, Los Angeles, 46; Utah, 67. Chief clin. psychologist, State Hosp. South, Blackfoot, Idaho, 48-54; soc. clin. psychologist, Vet. Admin. Hosp, Knoxville, Iowa, 54-56; chief psychologist, S.C. State Hosp, Columbia, 56-64; dir. counsr. training prog. coordinator & sect. head, Parks Job Corps Training Center, Litton, Indus, Inc, Calif, 65-66; assoc. dir. community action training, San Francisco State Col, 66-67; clin. psychologist, Menlo Park Div, Palo Alto Vet. Admin. Hosp, 68; CHIEF CONSULT. PSYCHOLOGIST, OFF. MENT. HEALTH, COMMONWEALTH PA, 68- Assoc. prof, South Carolina, 56-64; res. analyst, Marin County Community Ment. Health Serv, Calif, 68. U.S.N.R., 42-45, Lt. AAAS; Psychol. Asn; Soc. Psychol. Study Social Issues. Staff development; community development, organizational development and change, group and team development as the agent of change in social systems. Publ: Co-auth, Toward a theory of group development. Address: Office of Mental Health, Dept. of Public Welfare, Harrisburg, Pa. 17120.

MARTIN, DR. FERNAND, b. St. Hyacinthe, Que, Dec. 6, 25; m. 49; c. 1. ECONOMICS. B.A. McGill, 52, M.A. 58, Ph.D.(econ), 62; London Sch. Econ, 58-59. Acct. V. Martin, Registered, 52-57; asst. prof. ECON, Manitoba, 59-60; Saskatchewan, 60-62; MONTREAL, 62-65, ASSOC. PROF, 65- Fel, inst. econ. res, Queen's (Ont), 63; asst. prof, McGill, 65-; prin, Labour Col. Can, 65-; Can. Coun. Urban & Regional Res. grant, 65-68. Mem. Que. Labour Superior Coun, 66- Am. Econ. Assn; Can. Econ. Assn. Theory of the firm; urban economics. Publ: The information effect of economic planning, Can. J. Econ. & Polit. Sci, 8/64. Address: Dept. of Economics, McGill University, Montreal, Que, Can.

MARTIN, DR. FRANK B(UCHA), JR, b. Chester, Pa, Jan. 17, 25; m. 48; c. 1. PSYCHOLOGY. B.A. Haverford Col, 50; M.A. Kentucky, 50, Ph.D. 53. Asst. acad. dean, Midway Jr. Col, 51-53; chief voc. counseling serv, Vet. Admin. Hosp, Chillicothe, Ohio, 53-56; PARTNER, EDWARD N. HAY & ASSOCS, 56- U.S.A.A.F, 43-46, Lt. Psychol. Asn. Personality evaluation, especially as pertaining to executives in management; group dynamics. Publ: Art of personnel appraisal, Community Mag; Growth problems of banks in the sixties, Burroughs Clearing House; The counseling interview-crux of a man's development, Personnel J. Address: Edward N. Hay & Associates, 121 S. Broad St, Philadelphia, Pa. 19107.

MARTIN, DR. GENE E(LLIS), b. Omaha, Nebr, Apr. 4, 26; m. 50; c. 2. GEOGRAPHY. B.A. Washington (Seattle), 49, Fulbright scholar, 50-51, M.A. 52; univ. fel, Syracuse, 52-53, Doherty fel, 53-54, Ph.D.(geog), 55. Prof. GEOG, Univ. Chile, 54; asst. prof, Georgia, 55-56; from asst. prof. to AS-SOC. PROF, OREGON, 56- Fulbright prof, Buenos Aires, Argentina, 59; adv. planning, U.S. Agency Int. Develop, Guatemala, 66. U.S.A. 46-48. Asn. Am. Geog. Latin American geography. Address: Dept. of Geography, University of Oregon, Eugene, Ore. 97403.

MARTIN, PROF. GEOFFREY JOHN, b. Iford, Eng, Mar. 9, 34. GEOGRAPHY. B.Sc, London Sch. Econ, P.G.C.E, King's Col, London, 57. Instr. GEOG, Miami (Fla), 58-59; asst. prof, Eastern Michigan, 59-66; ASSOC. PROF, SOUTH. CONN. STATE COL, 66- Nat. Geog. Coun. Geog. Ed. grant, 60; Ford Found. grants, 60-61. Asn. Am. Geog; African Studies Asn; Nat. Coun. Geog. Ed. Categorization of Africanist dissatisfaction; post-Darwin geographic thought. Publ: Mark Jefferson: geographer, Eastern Michigan Univ, 67; From Ethnoplism to African personality, Papers Mich. Acad. Sci; Mark Jefferson and geography in Michigan, Proc. Nat. Coun. Geog. Ed. Address: Dept. of Geography, Southern Connecticut State College, New Haven, Conn. 06515.

MARTIN, PROF. HARRY W, b. Phenix City, Ala, Oct. 22, 16; m. 51; c. 2. SOCIOLOGY. B.A. Georgia, 49, M.A. 50; Ph.D.(sociol), North Carolina, 57. Instr. sociol. & econ, Salem Col.(N.C), 50-52; proj. dir. res. sch. nursing, North Carolina, 56-59; asst. prof. SOCIOL, SOUTHWEST. MED. SCH, TEXAS, 59-64, assoc. prof, 64-67, PROF, 67- Consult, U.S. Pub. Health Serv. Hosp, Ft. Worth, 60-67; ment. health serv, Nat. Inst. Ment. Health, Region VII, 61-67; Terrell State Hosp, Tex, 61-67. A.U.S. 42-46, Chem.C, 43-46, Capt. AAAS; Sociol. Asn; Soc. Appl. Anthropol. Sociology of health, and of the family and personality development; social organization. Publ: Structural sources of strain in a small psychiatric hospital, Psychiatry, 11/62; Adjustment among American Indians in an urban environment, Human Orgn, winter 64; co-auth. Folk diseases among urban Mexican-Americans, J. Am. Med. Assn, 4/66. Address: Dept. of Psychiatry, Southwestern Medical School, University of Texas, 5323 Harry Hines Blvd, Dallas, Tex. 75235.

MARTIN, PROF. HARVEY T(HOMPSON), JR, b. Rochester, Vt, July 18, 24; m. 51; c. 2. PSYCHOLOGY. B.A. Middlebury Col, 50; M.S. Washington State, 52, Ph.D.(psychol), 57. Counselor, student counseling center, Washington State, 50-54, head resident counselor & asst. to assoc. dean students, 55-57; psychol. consult, Denver, 57-59, dir. counseling & testing & asst. prof. psychol, 59-63, dir. consult. psychol. serv, 61-63, acting dean students, 62; dir. univ. counseling center & assoc. prof. psychol, Florida, 63-65; PROF. PSYCHOL, WEST FLORIDA, 65- PROVOST ALPHA COL, 66-; dean col. affairs, 65-66. Instr. Nat. Defense Ed. Act Inst, Denver, 60, asst. dir. Danforth Counseling Seminar, 61; vis. scientist, Am. Psychol. Asn, 64-65; field selection officer, Peace Corps, 65- Summers, co-dir. Nat. Defense Ed. Act Inst, Utah State, 60, vis. lectr, Univ. Maryland, 62 & practicum supvr. Nat. Defense Ed. Act, 64. U.S.A.A.F, 42-46, 1st Lt. AAAS; Psychol. Asn; Personnel & Guid. Asn. Counseling, industrial and clinical psychology. Publ: Co-auth. Psychology and business: a case study, West. Bus. Rev, 8/58; Prediction of academic success in a college of business administration, Personnel & Guid, 10/62; Sigel, J. Abnorm. & Soc. 2/65. Address: Alpha College, University of West Florida, Pensacola, Fla. 32504.

MARTIN, DR. HERMON W(ILKES), Psychol, see 10th ed, Soc. & Behav. Vols.

MARTIN, PROF. HOWARD H(ANNA), Geog, see 10th ed, Soc. & Behav. Vols, deceased 66.

MARTIN, DR. J. DAVID, b. Tacoma, Wash, May 8, 42; m. 62; c. 4. SOCIOLOGY. B.A. Washington (Seattle), 63, Nat. Inst. Ment. Health trainee, 63-66, M.A. 65, Ph.D.(sociol), 66. ASST. PROF. SOCIOL, Connecticut, 66-67; WASHINGTON STATE, 67- Prog. eval. consult, Mansfield Training Sch, Conn, 67. AAAS; Sociol. Asn; Statist. Asn. Formation of social norms in small groups; biases and other effects of the stooge on social-laboratory data. Address: Dept. of Sociology, Washington State University, Pullman, Wash. 99163.

MARTIN, PROF. JAMES E(VERETT), b. Vinemont, Ala, June 22, 32; m. 58; c. 3. AGRICULTURAL ECONOMICS, ECONOMICS. B.S. Auburn, 54; M.S. N.C. State, 56; Ph.D.(agr. econ), Iowa State, 62. Asst. prof. AGR. ECON, Maryland, 62-64; assoc. prof, Okla. State, 64-66, prof, 66; PROF. & HEAD DEPT, VA. POLYTECH, 66- Lectr, mkt. econ. div, U.S. Dept. Agr, 63-64. Agr. consult, 65- A.U.S. 56-58, 1st Lt. Agr. Econ. Asn; Economet. Soc. Marketing research involving the use of econometrics, spatial equilibrium and activity analyses of agricultural problems; use of computers in the solution of problems related to agricultural production and marketing activities. Publ: The use of distributed lag models con-

taining two lag parameters in the estimation of elasticities of demand, 12/63 & co-auth. The transshipment problem with inequality restraints, 11/66, J. Farm Econ; auth. The effects of changes in transportation rates on the Delmarva poultry industry, Pub. 515, Univ. Maryland, 5/64. Address: Dept. of Agricultural Economics, Virginia Polytechnic Institute, Blacksburg, Va. 24060.

MARTIN, DR. JAMES G(ILBERT), b. Paris, Ill, Dec. 10, 26. SOCIOLOGY. B.A. Ind. State Col, 52, M.A. 53; Ph.D. Indiana, 57. Lectr. sociol, Indiana, 53-56; instr, Oklahoma, 56-57; from asst. prof. to assoc. prof. Northern Illinois, 57-65; ASSOC. PROF. SOCIOL, OHIO STATE, 65-, ASSOC. DEAN COL. SOC. & BEHAV. SCI, 68-, asst. dean col. arts & sci, 65-68. E.L. Phillips Found. intern in acad. admin, 63-64. U.S.A. 45-48, Sgt. Sociol. Asn. Social psychology of intergroup relations, especially intergroup attitudes. Publ: The tolerant personality, Wayne State Univ, 64; Group discrimination in organizational membership selection, Phylon; Racial ethnocentrism and judgment of beauty, J. Soc. Psychol, 65. Address: College of Social & Behavioral Sciences, Ohio State University, Columbus, Ohio 43210.

MARTIN, DR. JAMES G(ORDON), b. Minot, N.Dak, Dec. 17, 28; m. 60; c. 3. PSYCHOLOGY. B.Sc, North Dakota, 51; M.A. Minnesota, 58, Ph.D.(psychol), 60. Instr. PSYCHOL, Kent State, 60-61; from asst. to ASSOC. PROF, CHICO STATE COL, 61- U.S. Pub. Health Serv. res. grants, 63-70. U.S.A. 51-54, 2nd Lt., AAAS; Psychol. Asn. Psycholinguistics. Publ: Perception of hesitation in spontaneous speech, Perception & Psychophysics, 68; Determinants of hesitations in spontaneous speech, J. Exp. Psychol, 68; Hesitations in the speaker's production and listener's reproduction of utterances, J. Verbal Learning & Verbal Behav, 68. Address: Dept. of Psychology, Chico State College, Chico, Calif. 95926.

MARTIN, PROF. JAMES W(ALTER), b. Muskogee, Okla, Sept. 11, 93. ECONOMICS. A.B. E.Tex. State Teachers Col, 20; Phelps-Stokes fel, George Peabody Col, 20-21, A.M. 21; Chicago, 22-24, 28; LL.D. Kentucky, 64. Prof. ed, Ala. Tech. Inst. & Col. Women, 21-22; asst. econ, Chicago, 22-24; assoc. prof, Emory, 24-28; dir. bur. bus. res, KENTUCKY, 28-64, prof. ECONOMICS, 28-48, distinguished prof, 48-64, EMER. DISTINGUISHED PROF, 64-; DIR. INST. BUDGET & MGT. TRAINING, NAT. ASN. STATE BUDGET OFFICERS, 66- Lectr, Northwestern, 23; Chicago, 35; Munic. Univ. Omaha, 39; State Col. Wash, 47; Wayne State, 48-50; Washington (Seattle), 49; Indiana, 55; Tennessee & Virginia; Arizona State, 63 & 67; Alabama, Huntsville, 65; Western State Univ, 67. Sr. partner, Martin, Hunter & Reeves, 37-41; dir. Community Finance, Inc, 39- Pub. finance counsr, Ga. Mfrs. Asn. & State Tax Cmnr, 24-28; Ky. Cmnr. Revenue, 36-39; consult, U.S. Treas. Dept, 41-46; consult. to Minister Finance, Repub. Turkey, 51; cmnr. finance, State Dept. Finance, Ky, 55-57, cmnr. hwy's, 57-58; consult, Ga. Cmn. Study State Govt. & Ariz. Div. Appraisal & Assessment Standards, 63-66; City-County Planning Cmn, Lexington, Ky, 63-; various state & Local govts, 64-66. Res. dir, Inter-state cmn. conflicting taxation, Coun. State Govts, 34-35; chmn. cmt. south. tax res, Soc. Sci. Res. Coun, 32-34, chief tech. staff, Gov. Reorgn. Cmn, Ky, 36; chmn. div. taxation, finance & cost studies, Hwy Res. Bd, Nat. Acad. Sci-Nat. Res. Coun. Econ. Asn; Nat. Tax Asn.(v.pres, 46, pres, 46-47); Tax Inst. Am.(v.pres, 44-45, pres, 45-46). Government and public finance; fiscal management; natural resource administration. Publ: Valuation of rail, telephone and telegraph properties, 1964, 64; Financing the state capital outlay in Georgia, 64; New dimensions in the capitalization of earnings in appraising public utility property, 67. Address: 241 Tahoma Rd, Lexington, Ky. 40503.

MARTIN, PROF. JOE ALLEN, b. Bowersville, Ga, Aug. 10, 18; m. 42; c. 4. AGRICULTURAL ECONOMICS. B.S. Clemson Col, 46, M.S. 48; Ph.D.(agr. econ), Minnesota, 55. Instr. AGR. ECON, TENNESSEE, 47-48, asst. prof, 48-53, assoc. prof, 53-57, PROF, 57- Consult, Oak Ridge Nat. Lab, 66- U.S.A. 41-45. AAAS; Am. Acad. Arts & Sci; Acad. Polit. & Soc. Sci. Land economics; agricultural policy. Address: Dept. of Agricultural Economics, University of Tennessee, Knoxville, Tenn. 37916.

MARTIN, DR. JOHN F, JR, b. Alma, Mich, Feb. 10, 36; m. 62; c. 1. SOCIAL ANTHROPOLOGY. B.A. Beloit Col, 60; M.A. Chicago, 63, Ph.D.(anthrop), 66. Lectr. ANTHROP, California, Riverside, 65-66; ASST. PROF, ARIZONA STATE, 66- Soc. Appl. Anthropol; Anthropol. Asn; Acad. Polit. & Soc. Sci. Social organization; economic anthropology; American Southwest; Brazil. Address: Dept. of Anthropology, Arizona State University, Tempe, Ariz. 85281.

MARTIN, DR. JOHN R(OGERS), b. Bryn Mawr, Pa, June 18, 07; m. 40; c. 2. PSYCHOLOGY. B.S. Pennsylvania, 30, M.A. 32, Ph.D.(psychol), 40. Head math dept, high sch, N.Y. 30-31; asst. instr. psychol, Pennsylvania, 32-37; psychologist, State Indust. Sch, Pa, 38-40; dir, Hillcrest & Greenview Schs, Ohio, 40-42; res. assoc. Psychol. Corp, N.Y. 42-44; voc. adv. Vet. Admin, D.C. 44; consult. psychologist, Rohrer, Hibler & Replogle, N.Y. 44-50; PRES, JOHN R. MARTIN ASSOCS, 50- Psychologist, East. Penitentiary, Phila, Pa, 33-34; Smith Mem. Centers, 35-36; mem. faculty parietal cmt, Pennsylvania, 36-37; dir. ed. & voc. guid. progs, Workers Training Centers, 35-38; training dir, Phila. Signal Depot, U.S. Dept War, 42-44. Dipl. Am. Bd. Exam. Prinl. Psychol. Fel. Psychol. Asn. Reminiscence; selection of industrial top management; personal development of industrial leaders. Address: 12466 Pomerado Court, San Diego, Calif. 92128.

MARTIN, PROF. JOHN W(ARREN), b. Johnson City, Tenn, Feb. 15, 24; m. 60. SOCIOLOGY, ANTHROPOLOGY. B.A. Knoxville Col, 48; M.A. Atlanta, 49; Gen. Ed. Bd. fel, Indiana, 52-54, Ph.D.(sociol), 59. Instr. SOCIOL, Miles Col, 49-57; asst. prof, Dillard, 57-59, assoc. prof, 59-61; Ill. Wesleyan, 61-64; vis. asst. prof, Ill. Inst. Tech, 64-65; ASST. PROF. ILLINOIS, CHICAGO, 65- U.S.N. 44-46. Sociol. Asn; Soc. Study Social Probs. Social stratification; prestige of occupations; Negro middle class; racial and ethnic relations; deviant behavior. Address: Dept. of Sociology & Anthropology, University of Illinois at Chicago Circle, Box 4348, Chicago, Ill. 60680.

MARTIN, DR. KENNETH J(USTUS), b. Mt. Vernon, Ohio, Dec. 5, 05; m. 39; c. 2. POLITICAL SCIENCE. Ph.B. Denison, 27; A.M. Ohio State, 29; Ph.D.

Chicago, 36. Instr. Denison, 30-31; asst. prof. Butler, 34-39; PROF. POLIT. SCI. & HEAD DEPT. CAPITAL UNIV. 39- Mem. staff, inst. law, Hopkins, 32-33; Judicial Coun, Ohio, 32-33. Polit. Sci. Assn. Waiver of jury trial in felony cases in Ohio and Maryland. Address: Dept. of Political Science, Capital University, Columbus, Ohio 43209.

MARTIN, PROF. KENNETH R(OBERT), b. Baltimore, Md, Apr. 6, 21. GEOGRAPHY. B.S. Md. State Teachers Col.(Towson), 43; M.S. Wisconsin, 49, Ph.D.(geog), 56. Instr. GEOG. Hunter Col, 55-58; PROF., WESTERN ILLINOIS, 56- U.S.A.A.F, 43-46. Asn. Am. Geog. Regional geography of Europe; agricultural geography; physiography. Publ: Analysis of the broiler chicken industry on the Delmarva Peninsula. Address: Dept. of Geography & Geology, Western Illinois University, Macomb, Ill. 61455.

MARTIN, PROF. L(AURENCE) W(ODWARD), b. St. Austell, Eng, July 30, 28; m. 51. POLITICAL SCIENCE. B.A. Cambridge, 48, M.A., 52; M.A., Yale, 51, Ph.D.(int. rels), 55. Instr. polit. sci, Yale, 55-56; asst. prof., Mass. Inst. Tech, 56-61; assoc. prof. sch. adv. int. studies, Hopkins, 61-64; PROF. int. polit. Univ. Col. Wales, 64-68; WAR STUDIES, KING'S COL, LONDON, 68- Mem. Inst. Strategic Studies. R.A.F, 48-50. Polit. Sci. Assn. International politics; diplomatic history; political theory; military affairs. Publ: Peace without victory; co-auth, Anglo-American tradition in foreign affairs; auth, The sea in modern strategy, Praeger, 67. Address: Dept. of War Studies, King's College, University of London, London, Eng.

MARTIN, PROF. LEE ROY, b. Everton, Ark, June 22, 16; m. 42; c. 2. AGRICULTURAL ECONOMICS. B.A. Arkansas, 37; George Washington, 40-41; A.M. Harvard, 47, Ph.D.(econ), 50. Statistician, bur. labor statist, U.S. Dept. Labor, 40-42; agr. economist, dairy br, U.S. Dept. Agr, 48; assoc. prof. agr. econ, N.C. State Col, 48-54, 55-58; agr. adv. planning bd, Govt. Pakistan, 54-55; prof. agr. econ, Arkansas, 58-62; assoc. dir. agr. ed. prog. New Eng. Bd. Higher Ed, 62-66; PROF. AGR. ECON, MINNESOTA, MINNEAPOLIS, 66- Consult, Cmn. Money & Credit, 60; task force, U.S. Dept. Agr, 61. Secy. cmt. agr. econ, Soc. Sci. Res. Coun, 53-54. U.S.A.A.F, 42-46, Capt. Am. Econ. Assn; Agr. Econ. Assn; Royal Econ. Soc. Economic development; marketing of agricultural products; productivity of human, social and community capital; analysis of county incomes; magnitude and characteristics of underemployed rural labor force. Publ: Changes in capital productivity and over-all capital problems, by size and type of farms, and by regions. In: Capital and credit needs in a changing agriculture; Productivity and social costs of human, social and community capital in underdeveloped countries. In: Investment in human capital in underdeveloped countries; Role of investment in human and community capital, J. Farm Econ. Address: Dept. of Agricultural Economics, University of Minnesota, Minneapolis, Minn. 55455.

MARTIN, PROF. LEONARD W(ILLIAM), b. Brooklyn, N.Y, June 23, 18; m. 46; c. 2. ECONOMICS. B.S. St. John's Col.(N.Y.), 39, M.A., 41; Ph.D.(econ), Columbia, 57. Instr. European hist, Sampson Col, 48-48; res. economist, Walter J. Levy & Assocs, N.Y, 50; instr. econ, St. Louis, 52-55; asst. prof, 55-56; res. assoc. econ. res. dept, Am. Med. Assn, 56-59; asst. dir, 59-60, dir, 60-62; asst. dir. econ. res. dept, U.S. Chamber of Commerce, 62-63; prof. econ, Loyola (Ill), 63-67, chmn. dept, 65-67; PROF. ECON, CLEVELAND STATE, 67-; DIR. HEALTH ECON. STUDIES, HEALTH ECON. APPRAISAL CMT, REGIONAL HOSP. PLANNING BD, 67- Mem. cmt. consumer & wholesale prices, bus. res. adv. coun, U.S. Bur. Labor Statist, 59-62, manpower & employ. statist, 61-62. U.S.A., 43-46, 50-52, 1st Lt. Econ. Assn; Statist. Assn. Medical care and its resources, pricing, financing, utilization, and organization; economic principles, government and business relationships, industry studies, particularly vertical integration between shoe manufacturing and retailing; hospital utilization, costs, financing and controls in northeast Ohio. Publ: Free enterprise: why?, In: Freeman; Performance measures of voluntary health insurance. In: Fundamentals of voluntary health care; Pure price indexes, quality change and hospital costs, Proc. Bus. & Econ. Statist. Sect. Am. Statist. Assn, 66. Address: Dept. of Economics, Cleveland State University, 24th & Euclid, Cleveland, Ohio 44115.

MARTIN, DR. L(ESLIE) JOHN, b. Budapest, Hungary, Jan. 5, 21; U.S. citizen; m. 51; c. 2. POLITICAL SCIENCE, COMMUNICATION. B.A. American Univ. Cairo, 47; Oregon, 48-49; M.A. Minnesota, 51, fel, 53-54, Ph.D.(polit. sci), 55. Reporter, ed. & correspondent, newspapers in Near East, 41-47; asst. dir. int. rels. center, Univ. Minnesota, 52-53, asst. prof. Nebraska, 54-57; copy ed, Detroit Free Press, 57-58; prof. journalism & commun. & dir. grad. studies & res. commun, Florida, 58-61; chief Near East & S.Asia Div, off. res. U.S. INFO. AGENCY, 61-66, coordinator overseas res, 66-67, CHIEF PROG. ANAL. DIV, 67- Adj. prof, American Univ, 66- Consult, Eng. Col. Mag. Assoc, 55-58; world rule of law center, Duke, 59. Ed. for. bibliog. Journalism Quart, 53-64. Distinguished serv. award, Sigma Delta Chi, 59. Asn. Pub. Opinion Res; Asn. Ed. Journalism; Middle East Inst; Int. Asn. Mass Commun. Res. International propaganda and international law relating to it; cross-cultural and international communication; communication theory and research methodology; comparative international journalism; attitude and opinion research and theory. Publ: International propaganda, Univ. Minnesota, 58; World daily newspapers and circulations. In: Britannica book of the year, 60-64; Greece & Nepal. In: Worldmark encyclopedia of the nations, 63. Address: IOP/RP, U.S. Information Agency, 1750 Pennsylvania Ave, Washington, D.C. 20547.

MARTIN, DR. LEWIS C, b. The Dalles, Ore, 00; m. c. 2. PSYCHOLOGY. A.B. Eugene Bible Univ.(Ore), 24; Ph.D.(psychol, ed), Vienna, 30; Stanford, 35; Columbia, 39. Instr. psychol. & sociol, American Col, Sofia, Bulgaria, 24-26; Am. Collegiate Inst, Turkey, 28-29; instr. ed, univ. exten, Oregon, 30-45; psychologist, psychiat. clin. med. sch, 33-45; dir, Clark County Guid. Clin, Vancouver, Wash, 45-52; chief clin. psychologist, Multnomah County Health Dept, 53-65, coordinator sch. ment. health serv, 65-66; RETIRED. Lectr, Reed Col, 30-33; dir. child study & spec. ed. & psychologists, pub. schs, Ore, 35-45; res. grant schizophrenic children, 63-67. U.S.A., 17-19. Psychol. Assn. Exceptional children; pupil progress. Publ: Co-auth, Essentials of a reading program; auth, Education of gifted children & Shall we segregate our handicapped, J. Except. Children. Address: 4925 S.W. 56th Ave, Portland, Ore. 97221.

MARTIN, LOYD C(LAYTON), b. Seneca, S.C, June 17, 20; m. 42; c. 2. AGRICULTURAL ECONOMICS. B.S. Clemson, 41; Albrecht Grocery Co. fel, Ohio State, 47-48, M.S., 48; N.C. State Col, 60-61. Agr. economist, fruit & veg. mkt. res. U.S. DEPT. AGR, 48-52, head hort. crops sect, MKT. ECON. DIV, ECON. RES. SERV, 53-65, asst. chief hort. & spec. crops br, 65-67, ASST. CHIEF FIBERS & GRAINS BR, 67- Merit award for developing res. prog. fruits & veg, U.S. Dept. Agr, 63. U.S.A., 41-46, Capt. Agr. Econ. Assn. Agricultural, fruit, vegetable and horticultural specialties marketing research. Address: Marketing Economics Division, Economic Research Service, U.S. Dept. of Agriculture, Washington, D.C. 20250.

MARTIN, DR. LYNN W, b. Maples, Mo, Nov. 29, 22; m. 47; c. 2. EDUCATIONAL PSYCHOLOGY. B.S. Colorado, 47; M.Ed. Missouri, 54, Ed.D., 59. Teacher, Crow Sch, Mo, 41-42; cost acct. clerk, civil serv. cmm, U.S. Army, 42; chief clerk & secy, Frisco R.R. Co, Mo, 47-49; counsr, high schs, 49-58; instr. ed. & counsr, Missouri, 58-59; assoc. prof. psychol, Southwest Mo. State Col, 59-61, prof, 61-64, counsr, 59-64, dean students, 64-65; prof. psychol. & asst. dean faculties, MISSOURI, ROLLA, 65-66, DIR. INSTNL. RES, 66- Summers, lectr, Rhode Island, 65, participant higher ed. inst., Univ. Michigan, 66, lectr, Colorado, 67. Consult, State Dept. Ed, Mo, 56-57, 62. U.S.N.R, 42-46. Personnel & Guid. Assn; Psychol. Assn; Voc. Assn. Effect of organized guidance and counseling activities on the personal social adjustment and educational achievement of school children. Publ: Effects of guidance upon elementary school children; Is our image becoming that of brain watchers, hippie tenders and go go counselors, M.G.A. Jour, 67; Effect of counseling and developmental reading upon selected engineering students, Am. Soc. Eng. Ed. J, 68. Address: 1103 W. 11th St, Rolla, Mo. 65401.

MARTIN, DR. MARGARET E(LIZABETH), b. New York, N.Y, May 6, 12. ECONOMICS. B.A. Columbia, 33, M.A., 34, Ph.D., 42; fel, Smith Col, 36-38. Asst. econ, Iowa State Col, 35-36; economist, bur. res. & statist, div. placement & unemploy. ins, State Dept. Labor, N.Y, 38-43; anal. statistician, off. statist. standards, U.S. BUR. BUDGET, 43-67, ASST. CHIEF OFF. STATIST. STANDARDS, 67- Fel. AAAS; Econ. Assn; fel. Statist. Assn; Indust. Rels. Res. Assn; Pop. Assn. Coordination and improvement of federal statistical system in fields of labor force, employment, population and social insurance. Publ: Merchants and trade of the Connecticut River Valley, 1750-1820, Studies of Hist, Smith Col. Address: 1510 N. Herndon St, Arlington, Va. 22201.

MARTIN, PROF. NORMAN H(OGINS), b. Winona, Minn, Apr. 26, 17; m; c. 3. SOCIOLOGY, ANTHROPOLOGY. A.B. Wisconsin, 39; A.M. Chicago, 48, Ph.D., 54. Asst. prof. human develop, Chicago, 53-56, assoc. prof. bus, 56-58; PROF, Mich. State, 59-61; BUS. MGT. GRAD. SCH. BUS. N.Y. UNIV. 61- Patterns of administration process; organization structure; executive behavior. Address: Dept. of Management, New York University Graduate School of Business Administration, 100 Trinity Place, New York, N.Y. 10006.

MARTIN, DR. PAUL S(IDNEY), b. Chicago, Ill, Nov. 20, 99. ANTHROPOLOGY. Ph.B. Chicago, 23, Ph.D.(anthrop), 29. Field archaeologist, Carnegie Inst, 26-28; state archaeologist, Colo. Hist. Soc, 28-29; asst. curator, N.Am. archaeol, FIELD MUS. NATURAL HIST, 29-34, chief curator, dept. anthrop, 34-65, EMER. CHIEF CURATOR, 65-; DIR. ARCHAEOLOG. RES, NAT. SCI. FOUND-URPP PROJ, 65- Fel. Anthrop. Assn; Soc. Am. Archaeol. Structure of scientific revolutions; philosophy of science; archaeology as anthropology; culture change and processes; explanations of human behavior as extracted from variations in archaeological record. Publ: Indians before Columbus; Chap. In: Prehistory of Eastern Arizona, Vol. II, 64 & Vol. III, 67, Field Mus. Address: Field Museum of Natural History, Chicago, Ill. 60605.

MARTIN, DR. P(HILIP) L(EE), b. Roanoke, Va, May 26, 32; m. 55; c. 4. POLITICAL SCIENCE. B.S. Va. Polytech, 57; M.A. North Carolina, 59, Ph.D.(polit. sci), 65. Instr. bus. admin, Norfolk Col. William & Mary, 56-57; POLIT. SCI, North Carolina, 57-59; VA. POLYTECH, 59-62, asst. prof, 62-66, ASSOC. PROF, 66- U.S.A.A.F, 49-53. Acad. Polit. Sci; Polit. Sci. Assn. Public administration and law. Publ: Madison's precedent of legislative ratification for constitutional amendments, Proc. Am. Philos. Soc, 65; Illinois' ratification of the Corwin amendment, J. Pub. Law, 66; Convention ratification of federal constitutional amendments, Polit. Sci. Quart, 67. Address: Dept. of Political Science, Virginia Polytechnic Institute, Blacksburg, Va. 24061.

MARTIN, PROF. PHYLLIS COOK, b. Eastbourne, Eng, June 27, 08; nat; m. 39; c. 3. SOCIOLOGY, BIOLOGY. B.S. Pittsburgh, 34, M.S. 36; fel, Illinois, 37-39, Ph.D.(bot), 39. Asst. bot, Pittsburgh, 34-35; instr. biol, Chatham Col, 35-37, asst. prof. biol, 40-43, assoc. prof, 43-49, prof. & chmn. dept, 49-63, chmn. human develop. & behav, 52-63; chmn. biol. & behav. sci, POINT PARK COL, 63-64, lib. arts, 64-67, PROF. BEHAV. SCI, 67- Instr, Winchester Sch, Pa, 36-37; asst, Pennsylvania, 39-40; lectr, Pittsburgh, 48-60. Fel. AAAS; Nat. Coun. Family Rels; Am. Inst. Biol. Sci. Conifer embryology; education for marriage and parenthood. Publ: Human biological development, 60 & Human psychological development, 61, Ronald. Address: Point Park College, Wood St. & Blvd. of the Allies, Pittsburgh, Pa. 15222.

MARTIN, DR. R. CHRIS, b. Bodcaw, Ark, Oct. 31, 38. EXPERIMENTAL PSYCHOLOGY. B.A. Florida, 60, M.A., 62, Ph.D.(psychol), 64. ASST. PROF. PSYCHOL, KENTUCKY, 64- AAAS; Psychol. Assn; Aerospace Med. Assn; Human Factors Soc. Learning theory and animal behavior, especially the generality and validity of laws of learning; comparative psychology; punishment; frustration. Address: Wenner-Gren Research Lab, University of Kentucky, Lexington, Ky. 40506.

MARTIN, DR. R(ICHARD) F(RANK), Psychol, see 10th ed, Soc. & Behav. Vols.

MARTIN, PROF. RICHARD K, Polit. Sci, Hist, see 10th ed, Soc. & Behav. Vols, deceased 67.

MARTIN, DR. RICHARD SLATER, b. Media, Pa, Feb. 24, 27; m. 49; c. 2. ECONOMICS. A.B. Harvard, 50; M.S. Cornell, 55, Fels Fund fel, 57-58, Ph.D.(econ), 66. ASST. PROF. ECON, MASSACHUSETTS, AMHERST, 58- Vis. lectr, Smith Col, 67-68. Econ. consult, Gen. Elec. Co, 60- U.S.A., 45-47, 52-54, 1st Lt. Econ. Assn. Quantitative analysis to establish and eval-

uate industrial and sectoral behavior patterns. Publ: Co-auth, Economics and its significance, 65 & Prologue to economic understanding, 66, C.E. Merrill; Note on wartime R.F.C. subsidy payments, In: Trends in government financing. Address: Dept. of Economics, University of Massachusetts, Amherst, Mass. 01002.

MARTIN, PROF. ROBERT E (ARL), b. Hartford, Conn, Apr. 29, 14; m. 38; c. 4. POLITICAL SCIENCE. B.A. Howard, 36, A.M. 38; Rosenwald fel, Chicago, 40-42, Soc. Sci. Res. Coun. fel, 45-46, Ph.D. 47. Asst. prof. soc. sci. Agr. & Tech. Col. N.C., 39-40, assoc. prof. 43-45, prof. 46-47; asst. prof. GOVT. HOWARD, 47-52, assoc. prof. 52-62, PROF. 63-, DIR. CITIZENSHIP PROJ., 58- Vis. asst. prof., Columbia, 49-50; Fund Adv. Ed. fel, 53-54; summer vis. prof., Atlanta, 57; vis. prof., N.Y. Univ., 65-66; summer vis. prof., San Francisco, 67. Mem. Bd. Elections, D.C., 61-64; ed. cmt. halt atomic weapons spread, 66- Pres. Asn. Soc. Sci. Teachers, 60-61. Assoc. field rep., Off. War Info, 42-43. Polit. Sci. Asn. Poll tax; public opinion; agricultural politics; general education. Publ: General education: its problems and promises in Negro education, In: Negro education in America, Harper, 62; The Negro in American politics, Il Nuovo Osservatore, Italy, 12/63; The relative political status of the Negro in the United States, In: Negro politics in America, C.E. Merrill, 67. Address: Dept. of Government, Howard University, Washington, D.C. 20001.

MARTIN, DR. ROBERT M (ILLER), b. Corry, Pa, Oct. 20, 26; m. 53; c. 1. CLINICAL PSYCHOLOGY. B.A. Miami (Ohio), 48; M.S. Purdue, 51, Ph.D. (psychol), 59. From instr. to assoc. prof. psychol., South Dakota, 52-60; fel. CLIN. PSYCHOL., Menninger Clin., Topeka, Kans., 60-62; ASST. PROF., SCH. MED., COLORADO, 62- Psychol. Asn; Soc. Proj. Tech. Address: University of Colorado School of Medicine, 4200 E. Ninth Ave, Denver, Colo. 80204.

MARTIN, PROF. ROBERT RAY, Sociol, see 10th ed, Soc. & Behav. Vols, deceased.

MARTIN, PROF. ROSCOE C (OLEMAN), b. Silsbee, Tex, Nov. 18, 03; m. 26; c. 1. POLITICAL SCIENCE. B.A. Texas, 24, M.A. 25; Ph.D. Chicago, 32. From instr. to prof., Texas, 26-37, dir. bur. munic. res, 33-37; prof. polit. sci. & chmn. dept., Alabama, 37-49, dir. bur. pub. admin, 38-49; PROF. POLIT. SCI., SYRACUSE, 49-, chmn. dept., 49-56. Vis. prof., California, Berkeley, 66-67. Chief res. technician, Nat. Resources Planning Bd., 36-37. Consult, Tenn. Valley Authority, 49-56; Fed. Civil Defense Admin, 51; Fed. Cmn. Intergovt. Rels, 54-55; Ford Found, 55-56. Mem. U.S. Nat. Cmn., UNESCO, 48-54, U.S. del. Gen. Conf., Paris, 51; UN Pub. Admin. Mission, Brazil, 51-52. Polit. Sci. Asn. (v.pres, 48); Soc. Pub. Admin. (v.pres, 44, pres, 49). Public administration; American government; comparative administration. Publ: Grass roots, Univ. Alabama, 57; co-auth, River basin administration and the Delaware, Syracuse Univ, 60; auth, The cities and the federal system, Atherton, 65. Address: 224 Scottholm Terr, Syracuse, N.Y. 13224.

MARTIN, PROF. SPENCER E, b. Milwaukee, Wis, Jan. 9, 27; m. 48; c. 4. EDUCATIONAL PSYCHOLOGY. B.A. Ottawa, 49; M.Ed. Kansas, 57, D.Ed. (admin), 62. Teacher, high schs. Kans., 49-55; dir. aids & awards, Univ. Kansas, 55-59; res. assoc. data processing, pub. schs, Mo., 59-62; dir. data processing, PARSONS COL., 62-66, PROF. ED. & BUS, 66- U.S.N., 45-46. Ed. Res. Asn. Computer assisted instruction. Address: Dept. of Computer Science, Parsons College, Fairfield, Iowa 52556.

MARTIN, PROF. WALTER T (ILFORD), b. Sherwood, Ore, Aug. 26, 17; m. 39; c. 4. SOCIOLOGY. A.B. Washington (Seattle), 43, A.M. 47, Ph.D. 49. From asst. prof. to PROF. SOCIOL., OREGON, 47-, CHMN. DEPT., 57- Sociol. Asn; Pop. Asn; Sociol. Res. Asn; Int. Union Sci. Study Pop. Population and social structure; urbanization; social change; social factors and health. Publ: The rural-urban fringe; co-auth, Status integration and suicide; co-ed, Readings in general sociology. Address: Dept. of Sociology, University of Oregon, Eugene, Ore. 97403.

MARTIN, DR. WILLIAM EDWIN, b. Modesto, Calif, Apr. 12, 33; m. 53; c. 3; div; m. 67. AGRICULTURAL ECONOMICS. B.S. California, Davis, 54, Ph.D. Berkeley, 61. Asst. prof. AGR. ECON., ARIZONA, 61-63, ASSOC. PROF., 63- Award, West. Farm Econ. Asn, 61. U.S.N., 54-57, Lt. (jg). Agr. Econ. Asn. (award, Farm. Econ. Asn, 66); Econ. Asn. Publ: Co-auth, A California interindustry analysis emphasizing agriculture, Giannini Found, 61; co-auth, Farmers, workers and machines, 65 & The economics of Arizona's water problem, 67, Univ. Arizona. Address: Dept. of Agricultural Economics, University of Arizona, Tucson, Ariz. 85721.

MARTIN, PROF. WILLIAM E (LLSWORTH), b. Idaho Falls, Idaho, May 17, 18; m. 42. PSYCHOLOGY. B.S. Chadron State Col, 39; M.S. Minnesota, 41, Ph.D. 48. From instr. to asst. prof. child welfare, Minnesota, 47-49; from asst. prof. to prof. ed., Illinois, 49-56; PROF. CHILD DEVELOP. & FAMILY LIFE, PURDUE, 56-, HEAD DEPT., 61- Award, Am. Personnel & Guid. Asn, 53. U.S.A.A.F., 42-46, Capt. AAAS; Psychol. Asn; Sociol. Asn; Soc. Res. Child Develop. (ed, 54-64). Human development; parent-child relationships; socialization; family structure; developmental theory. Publ: Co-auth, Readings in child development & Child behavior and development; auth, Quantitative expression in young children, Genetic Psychol. Monogr. Address: Dept. of Child Development & Family Life, Purdue University, Lafayette, Ind. 47907.

MARTINDALE, PROF. DON (ALBERT), b. Marinette, Wis, Feb. 9, 15; m. 45. SOCIOLOGY. B.A. Wisconsin, 39, M.A. 40, Ph.D. (sociol), 47. Instr., Wisconsin, 46-48; asst. prof. SOCIOL., MINNESOTA, MINNEAPOLIS, 48-52, assoc. prof., 52-54, PROF., 54- U.S.A., 42-46, Capt. Sociol. Asn; Acad. Polit. & Soc. Sci. Sociological theory; social psychology and organization. Publ: The nature and types of sociological theory, 60 & Institutions organizations and mass society, 66, Houghton; Social life and cultural change, Van Nostrand, 62. Address: Dept. of Sociology, University of Minnesota, Minneapolis, Minn. 55455.

MARTINEAU, DR. FREDERICA Y (OUNG), b. Washington, D.C., Feb. 14, 25. PSYCHOLOGY. B.S. Howard, 47, M.S. 48; Grant Chain fel. & Cora Smith

grant & Ph.D., Cornell, 56. Psychol. intern., Middleton Conn. State Hosp, 48-49; instr., Howard, 51-53; asst. child develop., Cornell, 54-55; psychologist, George Jr. Repub, 55-60; Elmira Psychiat. Clin., 60-61; GEORGE JR. REPUB., 61-64, DIR. SOC. SERV., 64- Assoc. prof., State Univ. N.Y. Col. Ed. (Cortland), 56-57. AAAS; Psychol. Asn; Orthopsychiat. Asn; Int. Coun. Psychol. Fostering cooperative attitudes in children; social and emotional problems in children and adolescents. Address: George Junior Republic, Freeville, N.Y. 13068.

MARTINEK, HAROLD, b. Chicago, Ill, Jan. 1, 30; m. 53; c. 4. PSYCHOLOGY. B.A. Kalamazoo Col, 51; M.S. Iowa State, 54. Asst. psychol., Iowa State Col, 52-53, res. assoc., 53-54; asst., North Carolina, 56-57; res. psychologist, U.S. ARMY BEHAV. SCI. RES. LAB., 57-61, res. psychologist & sr. proj. dir., 61-65, SUPVR. OPERS. RES. ANAL., 65- U.S.A., 54-56. Psychol. Asn; Human Factors Soc. Selection and systems research in human factors problems; human factor measurements. Publ: Development and preliminary evaluation of a test of mechanical ingenuity; Human factors studies in image interpretation; Error keys as reference aids in image interpretation, Tech. Res. Note 153, U.S. Army Behav. Sci. Res. Lab., 1/65. Address: 4000 Welsley Lane, Bowie, Md. 20715.

MARTINES, PROF. LAURO, Renaissance Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MARTINEZ, DR. RODOLFO, b. Corpus Christi, Tex, Oct. 17, 27; m. 52; c. 1. POLITICAL SCIENCE. B.S. Utah, 54, Ph.D. (polit. sci), 68; M.A. Texas, 55; Washington State, 61-63. Instr. soc. sci. & acting chmn. dept., Navarro Jr. Col, 55-59; instr. & chmn. dept., Casper Col, 59-61; teaching asst. POLIT. SCI., Washington State, 61-63; Utah, 63-64; spec. instr., Brigham Young, 64-65, ASST. PROF., 66-68, EASTERN KENTUCKY, 68- U.S.A., 45-46, 50-52, Sgt. Polit. Sci. Asn; Latin Am. Studies Asn. Latin American political development and modernization; public administration; American state, local and metropolitan governments. Publ: A layman looks at Wyoming judicial selection, Wyo. Law J, fall 60. Address: Dept. of Political Science, Eastern Kentucky University, Richmond, Ky. 40475.

MARTINROE, DR. MARIA JEFFRE, b. Germany, July 20, 21; nat; m. 63; c. 2. PSYCHOLOGY. B.A. Guilford Col, 43; M.A. Iowa, 45, scholar & Ph.D. (child psychol), 46. Asst. psychol., Woodward State Hosp. for Epileptics & Feeble-minded, Iowa, 44; asst. child welfare res. sta., Iowa, 44-46; assoc. psychologist, children's div., Bur. Psychol. Servs, Mich., 46-48; psychologist, Mich. Children's Inst., 48-49; sch. psychologist, pub. schs, Mich., 49-53; CHIEF PSYCHOLOGIST, HILLSBORO COUNTY GUID. CENTER, 54- Private practice, 56- Mem. Fla. State Bd. Exam. Psychol., 63-65. Dipl. Am. Bd. Exam. Prinf. Psychol., 63. Emotional problems of children; short term psychotherapy and crisis intervention. Publ: Fantasied mother-child interaction in doll play, Gen. Psychol. J. Address: 5115 Homer Ave, Tampa, Fla. 33609.

MARTINSEK, DR. THOMAS A (NTON), b. Cleveland, Ohio, July 15, 18; m. 59; c. 3. ECONOMICS. A.B. Western Reserve, 48; M.A. Ohio State, 49, Ph.D. 56. Instr. ECON., Ohio State, 50-55; N.C. State Col, 55-57; asst. prof., Montana State, 57-59; ASSOC. PROF., SOUTHERN ILLINOIS, 59- U.S.A., 42-46, Sgt. Econ. Asn. Mathematical economic models and governmental economic policy. Publ: Co-auth, Economics: basic problems and analysis. Address: Dept. of Economics, Southern Illinois University, Carbondale, Ill. 62901.

MARTINSON, PROF. FLOYD M (ANSFIELD), b. Montevideo, Minn., Nov. 12, 18; m. 46; c. 5. SOCIOLOGY, ANTHROPOLOGY. B.A. Concordia Col. (Minn), 42; M.A. Minnesota, 47, Ph.D. 53; Tulane, 57-58. Asst. prof. SOCIOL., GUSTAVUS ADOLPHUS COL., 45-51, assoc. prof., 51-55, PROF., 55-, CHMN. DEPT., 51- Dir. Nat. Coun. Family Rels, 65-68. Sociol. Asn. Family and rural sociology. Publ: Marriage and the American ideal; Sexual knowledge, values, and behavior patterns: with especial reference to Minnesota youth, Gustavus Adolphus Col, 66; Ego deficiency as a factor in marriage: a male sample, Am. Sociol. Rev. Address: Dept. of Sociology, Gustavus Adolphus College, St. Peter, Minn. 56082.

MARTINSON, ROBERT M; b. Minneapolis, Minn, May 19, 27; m. c. 1. SOCIOLOGY. B.A. California, Berkeley, 49, M.A. 53. Res. specialist, sch. pub. health, California, Los Angeles, 63-64; sch. criminol., California, Berkeley, 64-67, res. fel. law & soc. center study law & soc, 67; LECTR. SOCIOL., CITY COL. NEW YORK, 67- Part-time asst. prof., Calif. State Col. Los Angeles, 63; part-time lectr., Sacramento State Col, 65-66; summer asst. prof., California, Davis, 67. Consult, Gov. Spec. Cmt. Criminal Offenders, N.Y., 67-68. U.S.N., 45-46; U.S.A., 53-55. Sociol. Asn; Soc. Study Social Probs. Organization and ideology in correctional systems, especially professional involvement in total establishments and field supervisory organizations and the evaluation of program elements through the development of adequate research and systems theory. Publ: Staff training and correctional change: a study of professional training in correctional settings, Sch. Crim. Univ., California, 66; The age of treatment: some implications of the custody-treatment dimension, Issues in Criminol., fall 66; Solidarity under close confinement: a study of the freedom riders in Parchman Penitentiary, Psychiatry, 5/67. Address: Dept. of Sociology & Anthropology, City College of New York, Convent Ave. at 138th St, New York, N.Y. 10031.

MARTINSON, PROF. RUTH ALICE, U.S. citizen. EDUCATIONAL PSYCHOLOGY. B.A. West. Wash. State Col, 41; M.A. California, Los Angeles, 46, Ed.D. (ed. psychol), 49. Coordinator res. & guid., Los Angeles County Supt. Schs. Off, 47-49; psychologist, univ. elem. sch., California, Los Angeles, 49-51; from asst. prof. to prof., Calif. State Col. Long Beach, 51-64; PROF. ED. & DIR. TEACHER ED. PROGS., CALIF. STATE COL. DOMINGUEZ HILLS, 64- Vis. prof., California, Los Angeles, 63-64. Consult, Nat. Defense Ed. Act insts, Washington (Seattle), 62 & Arizona State, summer, 67; State Dir. Progs. for Gifted, 64-; spec. consult, McAteer Proj. Off, State Dept. Ed, 66-67; consult, projs., Los Angeles County Off, 67; projs., Southern Florida, 67. Dir. Calif. State Study Progs. for Gifted, 57-60. Psychol. Asn; Coun. Except. Children. Preparation of elementary guidance personnel; educational programs for gifted pupils; abilities of elementary school children; improved teaching for the gifted. Publ: Co-auth, Guidance in the elementary school, Prentice-Hall, 58, The abilities of young children, Coun. Except. Children, 64 & Curriculum enrichment for the gifted primary child,

Prentice-Hall, 68. Address: Dept. of Education, California State College at Dominguez Hills, 809 E. Victoria St, Dominguez Hills, Calif. 90247.

MARTIRE, PROF. JOHN G(EOGE), b. New York, N.Y., May 13, 19; m. 47; c. 3. PSYCHOLOGY. A.B., Washington & Lee, 42; M.A., Columbia, 47; Ph.D., Michigan, 53. Psychol. trainee, Vet. Admin. Ment. Hyg. Clinics, 46-48; asst. psychologist, counseling div., bur. psychol. serv., Michigan, 48-51; instr. psychol., Iowa, 52-53, asst. prof., 53-56, sr. clin. couns., student counseling off., 51-53, univ. counseling serv., 53-56; assoc. prof. PSYCHOL., Southern Illinois, 56-67; PROF. & UNIV. COUNSELOR, COLGATE, 67- Consult. Ment. Health Inst., Independence, Iowa, 53; Vet. Admin. Hosp., Marion, Ill., 59-61. U.S.A., 42-45. Psychol. Assn. Personality psychotherapy. Publ: Co-auth, Psychological aspects of the adoption process, Iowa Law Rev; Identification in the counseling process, J. Counseling Psychol; Relationships between the self concept and differences in the strength and generality of achievement motivation, J. Personality. Address: Dept. of Psychology, Colgate University, Hamilton, N.Y. 13346.

MARTOCCIA, DR. CHARLES T, b. Daytona Beach, Fla., Dec. 28, 30. PSYCHOLOGY. A.B., Virginia, 52; M.A., Florida, 58, Ph.D., 60. ASST. PROF. PSYCHOL., Davidson Col., 60-61; EAST CAROLINA, 61. U.S.N., 52-56. AAAS. Animal psychology. Publ: Some differences among naval aviation cadets who attrited during pre-solo stage, later air flight training, and advanced air flight training; Authoritarianism and college major, Psychol. Reports, 56. Address: Dept. of Psychology, Box 2774, East Carolina University, Greenville, N.C. 27834.

MARTS, PROF. M(ARION) E(RNEST), b. Olympia, Wash., July 20, 15; m. 39; c. 3. GEOGRAPHY. B.A., Washington (Seattle), 37, M.A., 44; Ph.D.(geog.), Northwestern, 50. Instr. geog., WASHINGTON (SEATTLE), 48, asst. prof., 51-55, assoc. prof., 55-61, prof., 61-63, PROF. GEOG. & URBAN PLANNING & V.PROVOST, 63- Econ. geogr., U.S. Bur. Reclamation, 49-51; Fulbright res. grant, Italy, 54. U.S.N., 42-46, Lt. Asn. Am. Geog. Water resource utilization; economic geography of western United States. Publ: Experiment in the measurement of the indirect benefits of irrigation, Payette, Idaho. Address: University of Washington, Seattle, Wash. 98105.

MARTY, DR. ROBERT J(OSEPH), b. Evanston, Ill., July 6, 31; m. 62; c. 2. ECONOMICS, FORESTRY. B.S., Mich. State, 54; M.F. Duke, 55; M.P.A., Harvard, 59; Ph.D.(forestry), Yale, 62. Res. forester economics, forest serv., U.S. Dept. Agr., 55-65, chief, forest econ. br., 65-67; ASSOC. PROF. FORESTRY, MICH. STATE, 67- U.S.A., 55-57, Res., 57-61. Soc. Am. Foresters; Econ. Assn. Timber production economics; economics of public, natural resource programs and policies. Publ: Analyzing uncertain timber investments, Paper NE-23, 64 & Economic guides for blister rust control in the East, Paper NE-45, 66, U.S. Forest Serv. Res; A guide for evaluating reforestation and stand improvement projects on the national forests, Agr. Handbook 304, U.S. Dept. Agr., 66. Address: 118 Natural Resources, Michigan State University, East Lansing, Mich. 48823.

MARTYN, PROF. HOWE, b. Bowmanville, Ont., Aug. 4, 06; m. 33; c. 3. BUSINESS ADMINISTRATION, INTERNATIONAL RELATIONS. B.A., Toronto, 30; Massey fel. & M.A. Oxford, 32. PROF. INT. BUS., AMERICAN UNIV., 61-, DIR. INT. BUS. RES. LAB., 64- Guest lectr., Mass. Inst. Tech., 55, 56; vis. prof., British Columbia, 68. Dir., Lever Bros. Can; Joint mgr., int. mkt. adv. div., Unilever, London; dir., Beecham Group, West. Hemisphere Co. Eng. lit. award, Gov.-Gen., Univ. Toronto, 30; Willingdon prize Eng. prose, Can., 30. Mkt. Assn. Organization, management and social, political and economic implications of the multinational corporation; commercial, economic, social and political aspects of international tourism. Publ: International business, principles and problems, Macmillan, 64; Symbolism in advertising, Frontier, 1/67; Human relations in the multinational firm, I, fall 67 & II, spring 68, Essays in Int. Bus. Address: Dept. of International Business, American University, 4640 Tilden St. N.W., Washington, D.C. 20016.

MARTZ, DR. HELEN ELIZABETH, b. Cincinnati, Ohio; m. 36; c. 2. PUBLIC ADMINISTRATION. B.A., Pennsylvania, 38, M.S.W., 39; Woerischoffer fel., Bryn Mawr Col., 41-42, Ph.D.(soc. admin), 46. Asst. soc. res. Gov. Cmt. Pub. Assistance & Relief, Pa., 35-36; interviewer, Phila. County Bd. Assistance, 37-38; procedure analyst, State Dept. Pub. Assistance, Pa., 38-41; analyst, DEPT. HEALTH, ED. & WELFARE, 44-47, tech. adv., 47-50, pub. welfare adv., 50-64, staff asst., adv. coun. pub. welfare, 64-66, chief spec. reports sect., welfare admin., bur. family serv., 66-67, STAFF ASST. PLANNING, MED. SERV. ADMIN., SOC. & REHAB. SERV., 67- Lectr., sch. soc. work, Howard, 44-45; Wash. Int. Center, 58-61; lectr., American Univ., 47-59, adj. prof., 60-, co-chmn. develop. cmt., grad. sch. soc. welfare, 59-61. Pub. Welfare Assn; Acad. Polit. & Soc. Sci.; Assn. Social Workers. Curriculum content to meet training needs of expanding public social welfare services; causes of dependency; interpret welfare measures. Publ: Citizen participation in government: a study of county welfare boards; Contributions of public assistance to family life in the United States, Marriage & Family Living; National blueprint for public welfare, Health, Ed. & Welfare Indicators, 10/66. Address: 7304 Stafford Rd, Alexandria, Va. 22307.

MARTZ, DR. JOHN D, b. Latrobe, Pa., July 8, 34; m. 62. POLITICAL SCIENCE. A.B., Harvard, 55; Buenos Aires Convention grant, Costa Rica, 56-57; A.M., George Washington, 60; For. Area fel., Venezuela, 62-63; Ph.D. (polit. sci.), North Carolina, Chapel Hill, 63. Asst. prof. polit. sci., NORTH CAROLINA, CHAPEL HILL, 63-66, ASSOC. PROF. POLIT. SCI. & ASST. DIR., LATIN AM. INST., 66-, dir. grad. studies polit. sci., 65. John Simon Guggenheim fel., Peru & Ecuador, 66-67; lectr. & seminars, Latin Am. Mil. Intel., 57-59, 1st Lt. Polit. Sci. Assn; Latin Am. Studies Assn. Latin American political studies, especially political parties and ideological movements, especially in the Andean republics. Publ: Colombia: a contemporary political study, North Carolina Press, 62; Dynamics of change in Latin American politics, Prentice-Hall, 65; Evolution of a modern party in Venezuela, Princeton, 66. Address: 407 Elliot Rd, Chapel Hill, N.C. 27514.

MARVEL, DR. WILLIAM W(ORTHINGTON), Polit. Sci., see 10th ed, Soc. & Behav. Vols. Latest known address: Education & World Affairs, 522 Fifth Ave, New York, N.Y. 10036.

MARVICK, PROF. DWAIN, b. Northwood, Iowa, May 22, 23; m. 48; c. 2. POLITICAL SCIENCE. Roberts fels, Columbia, 47-49, Ph.D.(polit. sci.), 52; Carnegie fel., Michigan, 51-53. Lectr. & res. assoc. POLIT. SCI., Michigan, 53-54; asst. prof., CALIFORNIA, LOS ANGELES, 54-57, from assoc. prof. to PROF., 57- U.S.A., 43-46. Am. Polit. Sci. Assn; Sociol. Assn; Int. Polit. Sci. Assn. Political recruitment; social and economic determinants of political behavior; professionalism in politics and governmental processes. Publ: Career perspectives in a bureaucratic setting; Political decision makers; co-auth, Campaign pressures and Democratic consent. Address: Dept. of Political Science, University of California, Los Angeles, Calif. 90024.

MARWAH, DR. KANTA, b. India. ECONOMICS. M.A., Punjab, India, 57; univ. fels., Pennsylvania, 59-62, Ford Found. fel., 62-63, Ph.D.(econ), 64. Asst. prof. econ., Boston Col., 63-66; consult. UN Conf. Trade & Develop., 66-67; ASSOC. PROF. ECON., CARLETON (CAN), 67- Econometrician, Int. Bank Reconstruction & Develop., summer 65. Econ. Assn; Economet. Soc. Econometric model building; world trade model; models for price behavior and for the whole economy. Publ: An econometric model of price behavior in India, Taplinger, (in press); co-auth, U.S. demand for imports 1948-58, Rev. Econ. & Statist., 11/62; auth, An econometric model of Colombia: a prototype devaluation view, Econometrica, 4/69. Address: Dept. of Economics, Carleton University, Ottawa 1, Ont, Can.

MARWELL, DR. GERALD, b. Brooklyn, N.Y., Feb. 12, 37; m. 57; c. 1. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.S., Mass. Inst. Tech., 57; M.A., N.Y. Univ., 59, Ph.D.(sociol.), 64. Instr. SOCIOL., WISCONSIN, 62-63, ASST. PROF., 63- Res. grants, U.S. Air Force Off. Sci. Res. & New World Found., 65-67; Nat. Sci. Found., 65-69. Sociol. Assn. Prediction and control of collective action-cooperation and coordination; techniques of interpersonal control; experimental and other social science methods. Publ: Types of previous experience with potential work partners: their effects on partner choice, Human Rel., 11/66; Party, region, elections and the dimensions of conflict in the House of Representatives, Am. Polit. Sci. Rev., 6/67; co-auth, Dimensions of compliance-gaining behavior: an empirical analysis, Sociometry, 12/67. Address: Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.

MARX, DR. ALFRED, b. Frankfurt am Main, Germany, Apr. 13, 28; nat. PSYCHOLOGY. B.S.S., City Col. New York, 50, M.A., 52; Ph.D., Oklahoma, 62. Intern. clin. psychol., Elgin State Hosp., Ill., 52-53; clinician, univ. guid. serv., Oklahoma, 53-55; clin. psychologist, children's treatment serv., Cent. State Hosp., Norman, 55-61; State Dept. Pub. Welfare, 61-64; PSYCHOLOGIST, ORTHOGONIC SCH., UNIV. CHICAGO, 64- Orthopsychiat. Assn; Psychol. Assn; Soc. Proj. Tech. Treatment of emotionally disturbed children and adolescents; projective techniques; personality theory; conceptual disturbances in schizophrenia. Address: 1365 E. 60th St, Chicago, Ill. 60637.

MARX, PROF. DANIEL, JR, b. San Francisco, Calif., Feb. 25, 08. ECONOMICS. A.B., Dartmouth Col., 29; class of 1883 traveling fel., California, 40-41, Ph.D., 46. Asst., California, 37-40; instr. ECON., DARTMOUTH COL., 40-44, asst. prof., 44-48, PROF., 48-, AMOS TUCK SCH. BUS. ADMIN., 63-, chmn. int. rels., 55-56, chmn. dept. econ., 57-62. Econ. cmnr. & spec. asst. to ambassador, Econ. Coop. Admin., France, 49; Guggenheim fel., 50; mem. Inst. Adv. Study, 50-51; dir. external transport proj., P.R., 50-53; summer vis. prof., California, 59; sr. economist, Stanford Res. Inst., 62-63. Consult. Int. Bank Reconstruct. & Develop., 60; Export-Import Bank Washington, 63-64. Mem. sr. staff, Coun. Econ. Adv. to President, 56-57. Chief vessel utilization & cargo reports sect., War Shipping Admin., 42-43. Am. Econ. Assn; Royal Econ. Soc. Political economy; international economics and transoceanic transportation; American ship operating subsidies. Publ: International shipping cartels: Ships and sugar; The U.S. enters export credit guarantee competition, Polit. Sci. Quart., 63. Address: Dept. of Economics, Dartmouth College, Hanover, N.H. 03755.

MARX, DR. EDMUND P(ETER), b. Spencer, Nebr., Mar. 11, 09; m. 39; c. 2. PSYCHOLOGY. B.S., Kans. State Col., 35, M.S., 37; Ph.D.(psychol.), Ohio State, 40. Occup. analyst, U.S. Employ. Serv., 40-42; prof. ed. & head dept. ed. & psychol., Stout Inst., 42; psychometrist, res. & ed. dir., Glenn L. Martin-Nebr. Co., 42-43; psychol. consult. indust., Hall & Liles, 44-47; from lectr. to prof. psychol., Loyola (Ill.), 48-66; assessment psychologist, Motorola Exec. Inst., 66-67; COORDINATOR PSYCHOL. SERV., TUCSON PUB. SCHO., DIST. I, 67- Mgt. consult., 47-; lectr., Arizona, 68- Psychol. Assn. Executive development; personnel evaluation; training methods; job analysis and description; older employees in industry; problems in school psychology. Address: Route 7, Box 441, Tucson, Ariz. 85714.

MARX, PROF. LAWRENCE NORBERT, b. Spencer, Nebr., Aug. 8, 07; m. 43. PSYCHOLOGY. B.S., Kansas State, 32, M.S., 33; summers, Columbia, 34, 35; Ph.D.(psychol.), Ohio State, 39. Prof. psychol. & chmn. dept. ed. & psychol.; Stout Inst., 39-45; dir. personnel & chmn. dept. psychol., New Mexico Highlands, 45-50; assoc. prof. PSYCHOL., Oregon, 50-52; PROF. & CHMN. DEPT., HUMBOLDT STATE COL., 52- Psychol. consult. & coordinator training, Curtiss Wright Corp., 42. Psychol. Assn; Am. Acad. Arts & Sci. Electromyography; self scoring devices in testing; psychopathology; individual differences; evaluative procedures. Address: Dept. of Psychology, Humboldt State College, Arcata, Calif. 95521.

MARX, PROF. MELVIN H(ERMAN), b. Brooklyn, N.Y., June 8, 19; m. 48; c. 4. PSYCHOLOGY. A.B., Washington (St. Louis), 40, M.A., 41, Ph.D.(psychol.), 43. Psychometrist, U.S. Civil Serv. Cmn., 42; Instr. PSYCHOL., MISSOURI, 44, asst. prof., 45-49, assoc. prof., 49-55, PROF., 55- Nat. Inst. Ment. Health career award, 64- AAAS; Psychol. Assn; Psychonomic Soc. Behavior theory; learning and motivation; animal behavior. Publ: Ed. Theories in contemporary psychology, Macmillan, 63; co-auth, Systems and theories in psychology, McGraw-Hill, 63 & Motivation, Chandler Pub., 67. Address: 14 McAlester Hall, University of Missouri, Columbia, Mo. 65201.

MARX, PAUL B, O.S.B., b. May 8, 20; U.S. citizen. SOCIOLOGY. B.A., St. John's (Minn.), 43; Ph.D.(sociol.), Catholic Univ., 57; American Univ., summer 60; California, Berkeley, summer 64. ASSOC. PROF. SOCIOL., ST. JOHN'S

(MINN), 56- Mem, Nat. Cath. Family Life Cmt, 59-61. Anthropol. Asn; Sociol. Asn. Family life education in college; marriage counseling; nature and meaning of human sexuality. Publ: Virgil Michel and the liturgical movement, Liturgical Press, 57. Address: Dept. of Sociology, St. John's University, Collegeville, Minn. 56321.

MARX, VIRGINIA L(OUIS), b. Los Angeles, Calif, Oct. 4, 13; m. PUBLIC ADMINISTRATION. B.S. American Univ, 47. Specialist budget methods, U.S. Bur. Budget, 39-63; BUDGET ANALYST, U.S. ARMY, GERMANY, 63-Intern, U.S. Civil Serv. Cmn, 45. Polit. Sci. Asn; Soc. Pub. Admin. Budgetary methods in the federal government. Publ: Conference training in federal budgeting, Pub. Admin. Rev. Address: ODCSLOG Attn: AEAGD-PTS-B, Hq. USAREUR & 7A, APO New York 09403.

MARY CONSUELA (CALLAGHAN), SISTER, I.H.M., Latin Am. Hist, see 5th Ed, Dir. Am. Scholars, Vol. I, Hist.

MARYANOV, DR. GERALD S(EYMOUR), b. New York, N.Y., Aug. 31, 27; m. 87. POLITICAL SCIENCE. B.S. Columbia, 50; M.A. Indiana, 52, Ph.D. (polit. sci), 59. Asst. prof. POLIT. SCI, Illinois, 59-60; Iowa, 60-67; ASSOC. PROF, NORTHERN ILLINOIS, 67- Vis. prof, Univ. Malaya, 65-66. Polit. Sci. Asn; Asn. Asian Studies. Political culture of Indonesia and Malaysia; theory of culture change of national political life in southeast Asia. Publ: Decentralization in Indonesia, Modern Indonesia Proj, Cornell, 58; Politics in Indonesia, Dept. Hist, Univ. Malaya, 66; Political parties in mainland Malaya, J. Southeast Asian Hist, 3/67. Address: Dept. of Political Science, Northern Illinois University, De Kalb, Ill. 60115.

MARZ, DR. ROGER H(ENRY), b. Chicago, Ill, Mar. 26, 31; m. 55; c. 2. POLITICAL SCIENCE. B.S. Ill. Inst. Tech, 52; fel. Mich. State, 55-56, M.A., 56, Ph.D., 60. Instr. polit. sci, Wayne State, 56-60, asst. dir. Indonesian prog, 57-58; asst. prof. POLIT. SCI, Harper Col, State Univ. N.Y., 60-65; ASSOC. PROF, OAKLAND, 65- Res. fel, State Univ. N.Y., 62-63. Summer instr, Mich. State, 56. Polit. Sci. Asn. Voting behavior; political parties; philosophy and theory of democracy. Publ: State and local government & Political system and political behavior. In: Modern society; Democratic digest: a content analysis, Am. Polit. Sci. Rev. Address: Dept. of Political Science, Oakland University, Rochester, Mich. 48063.

MARZETTI, LAWRENCE A(RTHUR), b. Mt. Vernon, Ohio, Apr. 17, 17; m. 42; c. 5. PUBLIC ADMINISTRATION. A.B. Morehead State, 39; George Washington, 40-41, 47-48; American Univ, 48-52, From clerk to ops. head, pop. div. U.S. BUR. CENSUS, 40-43, from spec. asst. to superv. surv. statistician, 46-52, from chief mgt. br. to asst. chief budget off, 52-56, from asst. chief superv. surv. statistician to chief consult. br, INT. STATIST. PROGS, 56-61, asst. chief, 61-66, CHIEF OVERSEAS CONSULT. & RES. OFF, 66- Statist. consult, Housing census, Jordan, 53; pop. census, U.A.R., 51, 60. Meritorious Serv. award, U.S. Dept. Commerce, 52. U.S.M.C.R., 43-46, Capt. Statist. Asn; Soc. Int. Develop. Management surveys; budget preparation; selection, recruitment and supervision of census and statistical advisers to foreign governments and administration of technical support to such advisers and foreign governments; supervision of research into foreign census and statistical programs and procedures. Address: International Statistical Programs, U.S. Bureau of Census, Washington, D.C. 20233.

MARZOCO, DR. FRANK N(ICHOLAS), b. Canton, Ohio, May 20, 23; m. 55; c. 1. PSYCHOLOGY. A.B. Oberlin Col, 47; fel. Cornell, 47-48; Ph.D. (psychol), Iowa, 51. Asst. prof. psychol, N.Y. Univ, 51-54; tech. coordinator, Rand Corp, 54-57; human factors scientist, Syst. Develop. Corp, 57-59; head human factors, Ramo-Wooldridge Div, Thompson Ramo Wooldridge, Inc, 59-61; artificial intel. res. staff, Syst. Develop. Corp, 61-64, dir. res, 64-65; dir. Human Learning Res. Inst, Mich. State Univ, 65-67; DIR. INSTNL. PLANNING & ACAD. RESOURCES CONSULT. & RES. OFF, 67- U.S.A.A.F., 43-46, 2nd Lt. AAAS; Psychol. Asn; Human Factors Soc; Asn. Comp. Mach; Opers. Res. Soc; Ed. Res. Asn. Learning theory; high speed computer applications; simulation; administration. Publ: Computer recognition of handwritten first names, Inst. Elec. & Electronics Eng. Trans. on Electronic Comput, 65; The character of psychological theories, J. Gen. Psychol; Statistical learning models for behavior of an artificial organism, In: Biological prototypes and synthetic systems. Address: Cleveland State University, Cleveland, Ohio 44115.

MARZOLF, PROF. STANLEY S(MITH), b. Aurora, Ill, Oct. 18, 04; m. 34; c. 2. PSYCHOLOGY. A.B. Wittenberg, 26; M.A., Ohio State, 30, Ph.D. (psychol), 37. Psychologist, State Dept. Pub. Welfare, Ohio, 30-35; asst. Ohio State, 35-37; asst. prof. PSYCHOL, ILLINOIS STATE, 37-40, assoc. prof, 40-48, PROF, 48- DIR. PSYCHOL. COUNSELING SERV, 46- Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn. Prediction of scholastic success; student maladjustment; clinical diagnosis of exceptional children. Publ: Psychological diagnosis and counseling in the schools; The disease concept in psychology, Psychol. Rev; co-auth. The physically handicapped, In: Introduction to clinical psychology, Ronald, 66. Address: Dept. of Psychology, Illinois State University, Normal, Ill. 61761.

MASANNAT, DR. GEORGE S, b. Madaba, Jordan, Oct. 15, 33; m. 59; c. 2. POLITICAL SCIENCE. B.A. Millikin, 58; M.A., La. State, 60; Ph.D. (Mid.E), 64. Instr. Am. govt, Tex. Tech. Col, 60-61; spec. asst. prof. int. rels, exten. div, Oklahoma, summer, 64; ASST. PROF. COMP. GOVT, Bowling Green State, 64-67; WESTERN KENTUCKY, 67- Mem. cmt. faculty leaves & res. grant, Bowling Green State, 65-67. Polit. Sci. Asn; Mid. East Inst. Modernization and development in the Middle East. Publ: Sino-Arab relations, Asian Surv, 4/66; Nasser's search for new order, The Muslim World, 4/66; Arab neutrality and American foreign policy in the Middle East, Gen. Polit. Quart, fall 67. Address: Dept. of Government, Western Kentucky University, Bowling Green, Ky. 42101.

MASE, PROF. DARREL J(AY), b. Delphos, Kans, Nov. 13, 05; m. 35; c. 2. SPEECH PATHOLOGY. B.S. Kans. State Teachers Col, Emporia, 28; summers, Iowa, 28-29; M.A. Michigan, 32; Ph.D. (speech ed), Columbia, 45. Teacher, Mankato High Sch, Kans, 28-29; instr. speech & debate coach, Kansas State, 29-30; speech & Eng, Bethany Col. (Kans), 30-31; speech cor-

rection, Kalamazoo Col, 32-33; instr. speech & head dept, California State Col. (Pa), 33-40; asst. prof. speech & dean men, N.J. State Teachers Col, Trenton, 40-46, prof. ed. & chmn. teacher training handicapped, Newark, 46-50; prof. speech & ed. & coordinator center clin. serv, FLORIDA, 50-58, PROF. SPEECH & DEAN COL. HEALTH RELATED PROFESSIONS, 58- Summers, dir. speech correction, Shady Trails Camp, Northport, Mich, 32-33 & dir. speech camp, Camp California, Pa, 38-40. Consult, rehab. serv. admin, U.S. Dept. Health, Ed. & Welfare, 61-68; div. ment. retardation, U.S. Pub. Health Serv, 65-68; mem, President's Cmt. Ment. Retardation, 66-68. Coun. Except. Children; Psychol. Asn; fel. Speech & Hearing Asn; fel. Asn. Ment. Deficiency; Acad. Dent. Handicapped; Acad. Cerebral Palsy; Cong. Rehab. Med; Nat. Soc. Crippled Children & Adults; Pub. Health Asn; Asn. Schs. Allied Health Professions; Int. Soc. Rehab. Disabled. Social and behavioral sciences; rehabilitation; physical disabilities; speech pathology; education of exceptional children; manpower in allied health professions. Publ: Etiology of articulatory speech defects, Teachers Col. Press, 46; The dimensions of change, Am. J. Occup. Ther, 5-6/67; Role of the medical center in the education of health related personnel, J. Med. Ed, 6-67. Address: C-107 Medical Sciences Bldg, University of Florida, Gainesville, Fla. 32601.

MASING, DR. ULV, b. Abja, Estonia, May 6, 27; Can. citizen; m. 60; c. 2. GEOGRAPHY. B.A. Clark, 60; M.Sc. Alberta, 62; Ph.D. (geog), Florida, 64. Asst. prof. GEOG, Calgary, 64-68; ASSOC. PROF, STATE UNIV. N.Y. COL. OSWEGO, 68- Assoc. prof, East Carolina, 67-68. German Army, 44-45. Asn. Am. Geog; Am. Geog. Soc; Can. Asn. Geog. Latin American cultural geography, especially land use, settlement and colonization. Publ: San Vito de Java: analisis del exito y fracaso de una colonia de agricultores emigrantes in el bosque lluvioso de Costa Rica, Sociedad Mexicana de Geografia & Estadistica, Mex, 66; Agricultural colonization in Costa Rica, Institut de Hautes Etudes de l'Amerique Latine, Paris, 67. Address: Dept. of Geography, State University of New York College at Oswego, Oswego, N.Y. 13126.

MASLAND, PROF. JOHN W(ESLEY, JR), b. Philadelphia, Pa, May 15, 12; m. 39, 50; c. 4. POLITICAL SCIENCE. B.S. Haverford Col, 33; A.M., Princeton, 37, Ph.D., 38; hon. A.M. Dartmouth Col, 46. Instr. polit. sci, Stanford, 38-41, asst. prof, 41-43, assoc. prof, 43-46, mem. staff, civil affairs training sch, 43-45; PROF. GOVT, DARTMOUTH COL, 46- provost, 59-67. Div. asst, U.S. Dept. State, 42-43; mem. resident faculty, Nat. War Col, 50 & 51, bd. consult, 60-62; dir, Study African Manpower & Ed, Ed. & World Affairs, N.Y., 64-65; prog. adv. ed, Ford Found, India, 67- Secretariat, UN Conf, 45; mem, Coun. For. Rel; President's Panel For. Affairs Acad, 62. Res. expert, govt. sect, Supreme Command, Japan, 46. Polit. Sci. Asn. Academic administration. Publ: Governments of foreign powers; Military education and national policy; education and military leadership. Address: Ford Foundation, 32 Ferozshah Rd, New Delhi 1, India.

MASLING, PROF. JOSEPH M(ELVIN), b. Rochester, N.Y., Dec. 18, 23; m. 52; c. 2. PSYCHOLOGY. A.B. Syracuse, 47; Ph.D. Ohio State, 52. Res. assoc. Inst. Res. Human Rel, 51-53; from asst. prof. to assoc. prof. psychol. & dir. training prog. clin. psychol, Syracuse, 53-65; PROF. PSYCHOL, STATE UNIV. N.Y. BUFFALO, 65- Psychol. Asn. Clinical psychology. Address: Dept. of Psychology, State University of New York at Buffalo, Buffalo, N.Y. 14214.

MASLOW, PROF. A(BRAHAM) H(AROLD), b. Brooklyn, N.Y., Apr. 1, 08; m. 28; c. 2. PSYCHOLOGY. A.B. Wisconsin, 30, M.A., 31, Ph.D. (psychol), 34; LL.D., Xavier (Ohio), 65. Asst. instr. psychol, Wisconsin, 30-34, teaching fel, 34-35; Carnegie fel, Teachers Col, Columbia, 35-37; instr. PSYCHOL, Brooklyn Col, 37-44, asst. prof, 44-51; PROF. BRANDEIS, 51- Fel. Psychol. Asn. Theory of personality; motivation; philosophical psychology. Publ: Motivation and personality; Toward a psychology of being; Psychology of science, Harper, 66. Address: Dept. of Psychology, Brandeis University, Waltham, Mass. 02154.

MASLOW, DR. ALBERT P(HILIP), b. Cleveland, Ohio, Nov. 12, 16; m. 40; c. 2. PSYCHOLOGY. A.B. & M.A. Western Reserve, 39; Ph.D. (psychol), Maryland, 52. Personnel specialist, U.S. CIVIL SERV. CMN, 47-57, CHIEF PERSONNEL MEASUREMENT RES. & DEVELOP. CENTER, 58- Prof. lectr, George Washington. Consult, State Civil Serv. Cmn, N.Y., 56. Cushman award, east. region, Pub. Personnel Asn, 65. U.S.A., 43-46, U.S.A.F.R., 46-48, Capt. Psychol. Asn. (distinguished serv. award, 61). Personnel measurement and evaluation; job analysis methodology; selection and training for executive and administrative careers; application of data processing techniques to personnel selection and placement systems. Address: 214 Whitmoor Terr, Silver Spring, Md. 20901.

MASLOWSKI, DR. JAMES J(OSEPH), b. Kulpmont, Pa, Sept. 28, 24; m. 49; c. 4. DEMOGRAPHY, STATISTICS. B.A. Washington State, 49, M.A., 50; Ph.D. (sociol), North Carolina, 53. Asst. prof. statist, Col. William & Mary, 53-55; Southern Illinois, 55-56; statistician, Air Force Training & Res. Personnel Lab, 56-57; U.S. Bur. Census, 57-59, superv. statistician, 59-60, statist. adv, U.S. BUR. CENSUS-AGENCY INT. DEVELOP, Lahore, 61-65, statistician, 65-66, DEMOGRAPHER, NEW DELHI, 66- prof. lectr, Howard, 58-69; American Univ, 59-60. Statist. consult, Pub. Rel, Inst. Va, 54-55. U.S.A.A.F., 43-46. Statist. Asn; Sociol. Asn; Pop. Asn. Am. Statistical methodology and sample survey techniques and methods, especially the application in the fields of sociology, demography, agriculture and vital statistics. Publ: North Carolina migration, 1870-1950; Longitudinal approach for the study of migration, 1960; Role of statistics in social and economic planning and development, 1961. Address: Health & Family Planning Division, U.S. Agency for International Development, APO New York 09675.

MASON, DR. AARON S, b. Russia, Mar. 3, 11; U.S. citizen; m. 42; c. 3. PSYCHIATRY. B.S. Illinois, Chicago, 33, M.D., 35. Staff physician, Lincoln St. Sch. & Colony, Ill, 37-38; staff psychiatrist, VET. ADMIN. HOSP, North Little Rock, Ark, 38-39, Knoxville, Iowa, 39-40, asst. chief staff, Downey, Ill, 40-53, chief staff, Brockton, Mass, 53-62, HOSP. DIR, Tomah, Wis, 62-63, LEXINGTON, KY, 63-; ASSOC. PROF. PSYCHIAT, KENTUCKY, 63- Dipl. Am. Bd. Psychiat. & Neurol, 46. U.S.A., 36-37, 44-46, Res, 46- Col. Fel. Psychiat. Asn; Col. Hosp. Adminstr; Asn. Mil. Surg. U.S.; Asn. Med.

Supt. Ment. Hosps; Am. Med. Assn; fel. Am. Geriat. Soc. Rehabilitation in psychiatry; social and clinical psychiatry; psychopharmacological agents. Address: Veterans Administration Hospital, Lexington, Ky. 40507.

MASON, PROF. ALPHEUS THOMAS, b. Snow Hill, Md, Sept. 18, 99; m. 34; c. 1. POLITICAL SCIENCE. B.A. Dickinson Col. 20, D.Litt. 47; A.M. Princeton, 21, Proctor fel. 22-23, Ph.D. 23. Asst. prof. polit. sci, Duke, 23-25; polit., Princeton, 25-30, assoc. prof., 30-36, prof., 36-47, McCormick prof. jurispr., 47-68; DOUGHERTY PROF. GOVT. & LAW, VIRGINIA, 68-Lectr., Mercer Beasley Sch. Law, N.J., 28-32; Soc. Sci. Res. Coun. grant in aid, 33, 35; vis. prof., Inst. Adv. Study, 38; Stanford, 47; lectr., Conn. Col., 47; Syracuse, 48; Northwestern; Cornell; La. State; Boston; Guggenheim fel., 52; Rockefeller & Ford Found. awards, 59; lectr., Michigan, Rice & Fla. State, 62. Polit. Sci. Assn. Politics and law; constitutional law; American political theory. Address: Dept. of Government, University of Virginia, Charlottesville, Va. 22903.

MASON, PROF. BRUCE B(ONNER), b. Cleburne, Tex, Dec. 19, 23; m. 46; c. 1. POLITICAL SCIENCE. B.S., N.Tex. State Col., 47; M.A., Texas Christian, 49; fel. Texas, 50-52, Ph.D.(govt), 52. Asst. prof., Northwest. State Col., 52-53; polit. sci., Memphis State Col., 53-54; acting dir. pub. admin. clearing serv., Florida, 54-55, asst. prof., 55-58; res. asst. prof., Illinois, 58-60; dir. bur. govt. res., Arizona State, 60-63, chmn. dept. polit. sch., 62-63, prof., 64-66, res. grant, 66; Univ. Michigan prof. & adv. pub. admin., Taiwan, 63-64; exp. ret., UN, Accra, Ghana, 66-67; PROF. POLIT. SCI., ARIZONA STATE, 67-Consult. Cent. & South. Flood Control Dist, Fla., 55-60. U.S.A.A.F., 42-45. Polit. Sci. Assn; Soc. Pub. Admin. Public administration; state and local government; politics. Publ: Co-auth., Revision of the Arizona Constitution, a commentary, Constitutional government in Arizona, Arizona State Univ., 2nd ed, 65 & Local participation in solving a water problem, Pub. Admin. Rev. Address: Bureau of Government Research, Arizona State University, Tempe, Ariz. 85281.

MASON, PROF. DAVID D(ICKENSON), Biomet, see 11th ed, Phys. & Biol. Vols.

MASON, DR. DONALD JAMES, b. Denver, Colo, Dec. 30, 27; m. 50; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A., Colorado, 51; M.S., Washington State, 52; U.S. Pub. Health Serv. fel., Illinois, 54-56, Ph.D. 56. Assoc. prof. PSYCHOL., South Carolina, 56-58; from asst. prof. to ASSOC. PROF., COLORADO, 58- U.S.A. 45-47. Psychol. Assn. Motivation and learning; photoperiodic behavior; teaching machines; programmed learning. Publ: The relation of secondary reinforcement to partial reinforcement, J. Comp. Physiol. Psychol., 50: 264-268; A test of four theories regarding incentive motivation and the reinforcement process, Am. Psychologist, 12: 468-469. Address: Dept. of Psychology, University of Colorado, Boulder, Colo. 80302.

MASON, DR. DOROTHY S, b. Greensboro, N.C., Aug. 15, 36; m. 60; c. 1. GEOGRAPHY. Weil fel. & A.B., North Carolina, Greensboro, 57; M.A., Georgia, 60; Ph.D.(geog), North Carolina, Chapel Hill, 67. Teacher, jr. high sch., N.C., 57-58; instr. GEOG., North Carolina, Greensboro, 60-61; asst. prof., ELON COL., 61-63, ASSOC. PROF., 66- Assn. Am. Geog. Geog. Soc. Agricultural geography, especially Anglo-America. Address: Dept. of Geography, Elon College, N.C. 27244.

MASON, PROF. EDWARD S(AGENDORPH), b. Clinton, Iowa, Feb. 22, 99. ECONOMICS. A.B., Kansas, 19; A.M., Harvard, 20, Ph.D. 25; B.Litt., Oxford, 23; D.Litt., Williams Col., 48; LL.D., Yale, 64. Instr. ECON., HARVARD, 23-27, asst. prof., 27-32, assoc. prof., 32-37, prof., 37-58, Baker prof., 58-61, LAMONT PROF., 61-, dean grad. sch. pub. admin., 47-58. Dir., Ed. & World Affairs; & Resources for Future, Inc. Dep. to Asst. Secy. State in Charge Econ. Affairs, 45; dep. to spec. asst. to President, 50. Consult., U.S. Dept. Labor, 38-39; U.S. Defense Cmn., 40-41; Off. Strategic Serv., 41-45; U.S. Dept. State, 48-47; chief adv., Moscow Conf. For. Ministers; 47; adv., Nat. Planning Bd., Pakistan, 53- Chmn. adv. cmt. econ. develop., U.S. Agency Int. Develop.; mem., Adv. Cmt. Mgt. Improvement to Assist in Improv. Govt. Orgn.; Mat. Policy Cmn., 51-52. Medal of Freedom, 46; hon. fel., Lincoln Col., Oxford, 66. Am. Econ. Assn.(pres, 62); Coun. for. Rels.; Am. Philos. Soc.; Am. Acad. Arts. & Sci.; Royal Econ. Soc. Public administration; monopoly and competition; economic development. Publ: Controlling world trade; Promoting economic development; ed, Corporation in modern society. Address: 9 Channing St., Cambridge, Mass. 02138.

MASON, DR. EVELYN PETERSON, b. Grand Junction, Colo, Oct. 8, 24; m. 45; c. 3. CLINICAL PSYCHOLOGY. B.A., Mills Col., 46; M.A., Washington (St. Louis), 50, fel., 51-53, Ph.D., 54. Psychometrist, Colorado, 46-47; dir. reading & testing, Mary Inst., St. Louis, Mo., 47-49; asst. med. psychol. med. sch., Washington (St. Louis), 49-50, counsr., 50-51, instr., 53-54; private practice, 55-59; lectr. PSYCHOL., WEST. WASH. STATE COL., 59-61, ASSOC. PROF., 61- Clin. psychologist, Whatcom Ment. Health Clin., 58-61. Psychol. Assn. Evaluation of self-concept to aging and study of brain damage in children. Publ: Some correlates of self judgements, J. Gerontol.; Some factors in self judgements, J. Clin. Psychol.; Late effects of lead poisoning, J. Pediatr. Address: Dept. of Psychology, Western Washington State College, Bellingham, Wash. 98225.

MASON, DR. FRANK D(UFF), b. Prosser, Wash, July 24, 21; div; c. 1; m. 60; c. 3. STATISTICS, PHYSICS. B.S., State Col. Washington, 43, M.S., 48; Ph.D.(statist), N.C. State Col., 67. Physicist, appl. physics lab., Hopkins, 50-53; chief ops. anal. off., U.S. Air Force Hq., Korea, 53-54; Missile Test Center, Patrick Air Force Base, 54-58; consult. ops. res., space tech. labs., Ramo Wooldridge Corp., comdr., Air Force Missile Test Center & comdr., ballistic missile div., Strategic Air Command, 56-61; sr. proj. engr., Hughes Aircraft Co., 61-67; SR. STAFF ENGR., TRW SYSTs, 67- U.S.N.R., 44-46, Comdr. AAAS; Phys. Soc.; Inst. Physics; Statist. Assn; Inst. Math. Statist; Ops. Res. Soc. Am; Soc. Logistics Eng. Operations research and application of scientific methods to management problems. Publ: Co-auth., Continuous spectrum of x-rays to 13 A°, 72: 744, 73: 1560 & 75: 1711, Phys. Rev. Address: 3900 Kingswood Rd., Sherman Oaks, Calif. 91403.

MASON, DR. GENE L, b. Brownfield, Tex, June 20, 40; m. 64; c. 1. POLITICAL SCIENCE. B.A., North Texas State, 62; M.A., Kansas, 64, Nat. Sci. Found. grant, 65-66, Ph.D.(polit. sci), 67; Michigan, summer, 65. Instr. POLIT. SCI., KENTUCKY, 66-67, ASST. PROF., 67- Univ. Kentucky Res. Found. res. grants, 66-67. Consult., Ky. Crime Cmn., 67- Polit. Sci. Assn; Law & Society Assn. Judicial processes and behavior; political behavior; civil liberties. Address: Dept. of Political Science, University of Kentucky, Lexington, Ky. 40506.

MASON, PROF. GEOFFREY PLINY, b. London, Eng, Apr. 19, 20; nat. Can; m. 46; c. 3. PSYCHOLOGY. B.A., British Columbia, 52, M.A., 55; Ph.D. (psychol., ed), Washington State, 59. Asst. prof. psychol., Victoria (B.C.), 56-59, assoc. prof., 59-61; res. assoc., Vet. Admin. Hosp., Victoria, B.C., 59-61; res. assoc., Univ. Col., London, 61-62; assoc. prof., VICTORIA (B.C.), 62-67, PROF. ED. PSYCHOL., 67- Brit. Army, 39-46, Lt. Am. Psychol. Assn; Can. Psychol. Assn; Brit. Psychol. Soc. Educational evaluation. Address: Faculty of Education, University of Victoria, Victoria, B.C., Can.

MASON, DR. GREGORY, b. New York, N.Y., July 3, 89; m. 22, 37. ANTHROPOLOGY. B.A., Williams Col., 11; Columbia, 12-13, 30-33; N.Y. Univ., 15; Ph.D.(anthrop), Southern California, 38. For. correspondent, The Outlook, 14-20; organizer & leader, Peabody Mus., Harvard & Am. Mus., 26; Heye Found. & Mus. Comp. Zool., Harvard, 28; coorganizer & field leader, mus., Pennsylvania, 30, dir., 31; Heye Found., 32; tech. adv. & writer, Paramount Pictures, 33; dir., Heye Found. & Southern California Mus., 36; prof. Am. CIVILIZATION & chmn. dept. journalism, N.Y. UNIV., 41-54, EMER. PROF., 54-; RES. & WRITING, 54- Pre-Columbia Central and South American archaeology; Central and South American ethnology; United States history, especially Spanish American War. Publ: Co-auth., Danbury Curve, Whittier, 62; auth., Columbus came late; co-auth., Part 10, In: They found the buried cities, Chicago Univ., 65. Address: 75 Club Rd., Riverside, Conn. 06878.

MASON, PROF. HENRY LLOYD, b. Berlin, Germany, Nov. 4, 21; m. 48; c. 2. POLITICAL SCIENCE. B.A., Hopkins, 42; Leiden, 48-49; Ph.D., Columbia, 51. Asst. prof. POLIT. SCI., La. State, 51-52; TULANE, 52-56, assoc. prof., 56-61, PROF., 61-, CHMN. DEPT., 68- Fulbright prof., Innsbruck, 58-59; summer vis. assoc. prof., Columbia, 58; Fulbright lectr., Free Univ. Berlin, 65. Mem. faculty adv. cmt., Cmt. Human Rights Res., 61- U.S.A., 42-46, 1st Lt. Polit. Sci. Assn. Theory of international politics; international organization; European integration; war and occupation studies. Publ: European coal and steel community; Toynbee's approach to world politics; Mass demonstrations against foreign regimes, Tulane, 66. Address: 1821 Upperline St., New Orleans, La. 70115.

MASON, DR. J(OHN) ALDEN, Anthrop, see 10th ed, Soc. & Behav. Vols., deceased 67.

MASON, PROF. JOHN B(ROWN), b. Berlin, Germany, July 13, 04; U.S. citizen; m. 52; c. 2. POLITICAL SCIENCE. B.A., Butler, 26; scholar, Wisconsin, 26-27, A.M., 27, Carnegie fel., 27-29, Ph.D.(polit. sci), 29. Lectr., pub. forums, U.S. Off. Ed., 37-38; from asst. to assoc. prof., Fresno State Col., 38-46; prof. polit. sci., Oberlin Col., 46-50; chief polit. & govt. affairs br., off. polit. affairs, U.S. High Cmn., Frankfurt, Germany, 50-51, civic activities div., 51-52, cultural affairs br., Bonn, 52-53, Berlin, 54; vis. prof. polit. sci., Florida, 55-56; PROF. GOVT., Georgetown, 56-60; CALIF. STATE COL. FULLERTON, 60-, chmn. dept. polit. sci., 61-68. Acting assoc. prof. & chmn. Cent. European area instr., civil affairs training sch., Stanford, 43-44; res. assoc., Hoover Library & Inst., 45-46; grant, Soc. Sci. Res. Coun., 44; Am. Coun. Learned Soc., 44; Asn. Asian Studies, 57; chief training div., For. Econ. Admin., 44-46; div. asst., spec. war probs. div., U.S. Dept. State, 44; acting cultural attache, U.S. Embassy, Germany, 54, cultural attache, Thailand, 54-55; vis. Chester W. Nimitz prof., Naval War Col., 57-58. Mem. Secy. Patterson's Hist. Mission, Germany, 45. Consult., Herbert Hoover Food Mission to Europe, 46. Polit. Sci. Assn; Int. Studies Assn. Comparative government of Europe; German government and politics; international relations. Publ: The Danzig dilemma, a study in peacemaking by compromise, Stanford Univ., 48; Hitler's first foes, a study in religion and politics, Burgess, 46; Research resources in international relations and recent history, 2 vols., ABC-Clio Press, 68. Address: Dept. of Political Science, California State College, 800 N. State College Blvd., Fullerton, Calif. 92631.

MASON, DEAN JOHN L(EONARD), b. Upper Sandusky, Ohio, Feb. 26, 31; m. 54; c. 2. MARKETING, ECONOMICS. B.A., Ohio Wesleyan, 53; M.B.A., Indiana, 57; Ford Found. fel. & D.B.A., 60. Mkt. economist, Gen. Elec. Co., 57; PROF. MKT. & DEAN COL. BUS., TOLEDO, 60- U.S.A.F., 54-55, 1st Lt. Mkt. Assn; Econ. Assn. Local area economic research; sales research and training. Publ: Co-auth., An economic projection for the Toledo regional area, Toledo Regional Area Plan Action, 7/65; auth., The low prestige of personal selling, 10/65 & co-auth., The influence of driving time on shopping center preference, 4/68, J. Mkt. Address: College of Business, University of Toledo, Toledo, Ohio 43606.

MASON, DR. JOSEPH ROBERT, b. Taunton, Mass, Aug. 19, 37; m. 59; c. 4. ECONOMICS. A.B., Providence Col., 59; Ph.D.(econ), Boston Col., 67. Instr. MONETARY ECON., BOSTON, 64-67, ASST. PROF., 67- Vis. lectr., Emmanuel Col.(Mass), 67- U.S.A., 62-64, Capt. Finance Assn; Econ. Assn. Banking structure; government patent policy. Address: Dept. of Economics, Boston University Graduate School, 705 Commonwealth Ave., Boston, Mass. 02215.

MASON, PROF. LEONARD E(DWARD), b. Seattle, Wash, June 28, 13; m. 39; c. 3. ANTHROPOLOGY. B.A., Minnesota, 35, M.A., 41; Ph.D., Yale, 55. Asst. & curator anthrop. collections & exhibits, sci. mus. St. Paul Inst., 35-41; asst. cross-cultural surv. inst. human rels., Yale, 41-43, instr., Army Specialized Training Prog., 43-44; Off. Strategic Serv., Wash., D.C., 44, res. analyst, 44-45; U.S. Dept. State, 45-46; anthropologist, Econ. Surv. Micro-nesia, U.S. Commercial Co., 46; assoc. prof. ANTHROP., HAWAII, 47-55, PROF., 55- With field trips, Can., 38, 40; Micronesia, Marshall Island, Kusaie, Ponape, Truk, Palu, Yap, Guan & Saipan, 46-67; Nat. Sci. Found. sr. fel., 56-57, Nat. Sci. Found.-Univ. Oregon res. grants fieldwork, Kili & Mar-

shall Islands, summer, 63 & fieldwork, Ujelang Atoll & Marshall Island, 64; area studies lectr, Micronesian Prog, Peace Corps Training Center, Hawaii, 66 & Udot Island, Truk Atoll & trust territory, summer, 67. Consult, Pac. Sci. Bd. Nat. Res. Coun, 57-51. Fel. AAAS; fel. Anthropol. Assn; Ethnol. Soc; Soc. Appl. Anthropol. Polynesian Soc. Art and ethnology of Micronesia; changing culture of the Marshallese and other Micronesians; administration of dependent peoples in the central Pacific; resettlement of Pacific Island communities. Publ: Relocations of the Bikini Marshallese; The Swampy Cree: a study in acculturation, Nat. Mus. Can, 67. Address: Dept. of Anthropology, University of Hawaii, Honolulu, Hawaii 96822.

MASON, PROF. LESTER B, b. White Plains, N.Y., May 27, 05; m. 45; c. 4. POLITICAL SCIENCE. A.B. Dartmouth Col, 29; A.M. Columbia, 30; Berlin, & Bonn, 30-31; Aix Marseille, 31-32; Ph.D.(hist. polit. sci), Cornell, 40; Columbia, summer 48. Teacher, high schs, N.Y., 33-38; instr. hist, St. Lawrence, 38-39; from instr. to prof. hist. & polit. sci, State Univ. N.Y. Col. Buffalo, 40-60; prof, Montclair State Col, 60-63; PROF. POLIT. SCI. & CHMN. DEPT, BLOOMFIELD COL, 63- Dictatorships, especially those of Napoleon I, Hitler and Soviet Union; political theory, 18th to 20th centuries. Publ: The French constitution and the social question, 1700-1789, 54. Address: 176 Indian Rd, Wayne, N.J. 07470.

MASON, PROF. M(ILTON) LEWIS, b. Tulsa, Okla, Mar. 15, 25; m. 49; c. 2. SOCIOLOGY. A.B. Baylor, 45; B.D. Southern Baptist, 48, Th.D. 52; Fulbright grant, Sydney, 52, 53; fel. Univ. Kansas City, 56-59, Ph.D. 60. Assoc. prof. relig, William Jewell Col, 53-56; asst. prof. SOCIOL, PACIFIC (CALIF), 59-62, assoc. prof, 62-66, PROF, 66-, CHMN. DEPT, 63- Sociol. Assn; Soc. Appl. Anthropol; Anthropol. Assn. Counseling; social psychology; cultural and social anthropology; social stratification; general social science education; philosophy of science. Address: Dept. of Sociology, College of the Pacific, Stockton, Calif. 95207.

MASON, NORMAN R(ANDOLPH), JR, Geog, see 10th ed, Soc. & Behav. Vols.

MASON, DR. RONALD J(AMES), b. Windsor, Ont, Oct. 11, 29; U.S. citizen; m. 58; c. 2. ANTHROPOLOGY, ARCHAEOLOGY. B.A. Pennsylvania, 57; M.A. Michigan, 57, Ph.D.(anthrop), 64. Asst. dir, Neville Pub. Mus, Green Bay, Wis, 58-61; asst. prof. ANTHROP, LAWRENCE, 61-66, ASSOC. PROF, 66- U.S.A.F. 50-54, S/Sgt. AAAS; Soc. Am. Archaeol; Anthropol. Assn. Archaeology of North America; early man in America; Pleistocene geology, ecology and geochronology; correlations of geomorphic features and archaeological distributions, particularly in Great Lakes region of North America. Publ: Late Pleistocene geochronology and the Paleo-Indian penetration into the lower Michigan peninsula, Anthropol. Papers Number 11, 58 & Two stratified sites on the door peninsula of Wisconsin, Anthropol. Papers Number 26, 66, Mus. Anthropol, Univ. Michigan; The paleo-Indian tradition in eastern North America, Current Anthropol, 6/62. Address: Dept. of Anthropology, Lawrence University, Appleton, Wis. 54911.

MASON, DR. RUSSELL E(LSWORTH), b. Washington, D.C., Nov. 9, 20; m. CLINICAL PSYCHOLOGY. A.B. Columbia Col, 42; M.A. Southern Methodist, 50; Ph.D. Purdue, 52. CLIN. PSYCHOLOGIST, U.S. Dept. Army, 50-56; Brockton Vet. Admin. Hosp, 56-58, PALO ALTO VET. ADMIN. HOSP, 58-Private practice, 59-; consult, Adult Community Clin, San Mateo, Calif, 59-60. U.S.A., 43-47. Psychol. Assn. Relationships of psychological states to physiological functioning; personality dynamics and functioning, individually and socially; clinical techniques and psychotherapy. Publ: Internal perception and body functioning, Int. Univ; Self-ratings of personality development & Value orientation scale development, Psychol. Reports. Address: 45 Alhambra Court, Portola Valley, Calif. 94025.

MASON, DR. THOMAS R, b. Trinidad, Colo, Apr. 17, 30; m. 50. POLITICAL SCIENCE. B.A. Colorado, 52, M.A., 55; Rotary Found. fel, London Sch. Econ, 53-54; univ. fel, Harvard, 56-59, Ford fel, 58-59, Ph.D.(polit. sci), 63. Spec. asst, pres. off, Colorado, 55-56; res. asst, Harvard, 57-58; asst. dir. budget & planning, Colorado, 59-60, planning officer, 60-63, dir. instnl. res. & planning, 63-64; ASST. PROF. POLIT. SCI. & DIR. INSTNL. RES. & PLANNING, ROCHESTER, 64- Consult. prog. planning sysys, Guelph, 64-; Puerto Rico, 66. Mem. adv. cmt. ed. facilities, Ed. Res. Info. Center, 66- Polit. Sci. Assn; Asn. Instnl. Res; Soc. Pub. Admin; Soc. Col. & Univ. Planning. Planning constructs and models of institutions of higher education; administrative behavior and organization theory in higher education; history of city politics; politics of urban planning. Publ: An inverse relationship: the uses of facilities planning for institutional research, 5/66 & The role of institutional research in decision making in higher education, 5/67, Proc. Asn. Instnl. Res; In search of consequences: the dynamics of planning in higher education, Proc. East. Asn. Col. & Univ. Bus. Officers, 12/66. Address: University of Rochester, River Campus Station, Rochester, N.Y. 14627.

MASON, DR. WARD S(HERMAN), b. Long Branch, N.J., Nov. 5, 25; m. 49; c. 4. SOCIOLOGY, STATISTICS. B.A. Duke, 48; M.A. Harvard, 50, Ph.D. (sociol), 53. Asst. lab. soc. rels, Harvard, 51-52, res. assoc. lab. soc. rels. & grad. sch. ed, 52-56; from ed. res. specialist to chief spec. studies & anal. sect, U.S. Off. Ed, 56-62; ed. adv. res. & planning, U.S. Agency Int. Develop, San Salvador, El Salvador, 62-64; CHIEF RES. & DEVELOP. CENTER BR, BUR. RES, U.S. OFF. ED, 64- Meritorious award, William A. Jump Mem. Found, 61. C.Eng. U.S.A., 44-46. Sociol. Assn; Ed. Res. Assn. Sociology of education; educational statistics; research methodology; occupational sociology. Publ: The beginning teacher: status and career orientations; co-auth, Explorations in role analysis: studies of the school superintendency role; co-auth, Sex role and career orientations of beginning teachers, Harvard Ed. Rev, fall 59. Address: U.S. Office of Education, Dept. of Health, Education & Welfare, Washington, D.C. 20202.

MASON, DR. WARREN L(EONARD), b. Duluth, Minn, March 30, 37; m. 64. POLITICAL SCIENCE. B.A. Minnesota, 59, M.A., 61, Ph.D.(polit. sci), 67; Soc. Sci. Res. Coun. fel, London Sch. Econ, 62-63. Instr. govt, MIAMI (OHIO), 63-67, ASST. PROF. POLIT. SCI, 67-, ASST. DEAN COL. ARTS & SCI, 66-, DIR. EUROPEAN STUDY CENTER, LUXEMBOURG, 68- Polit. Sci. Assn. General theory and empirical research of comparative political

systems; British electoral behavior; integration functions of West European political systems. Publ: Co-auth, Political ideology: the empirical relevance of the hypotheses of decline, Ethics, 68. Address: Department of Political Science, Miami University, Oxford, Ohio 45056.

MASON, PROF. WILL E(DWIN), b. Klamath Falls, Ore, Apr. 2, 12; m. 46. ECONOMICS. B.A. Pacific, 35; M.A. Washington (Seattle), 42; fel. & Ph.D. (econ), Princeton, 52. Lectr. ECON, Buffalo, 48-51; asst. prof, Washington & Jefferson Col, 53-54, assoc. prof, 54-56; PA. STATE, 56-60, PROF, 60-, liberal arts fel, 64-65. Ford Found. faculty res. fel. econ. & bus, 59-60. Cmt. Econ. Develop. prize, 58; Lousi H. Bell Memorial award, Pa. State Univ. Press, 63. U.S.A., 43-45, 51-53, Maj. Econ. Assn; Finance Assn. International trade and finance; monetary theory; income theory. Publ: Clarification of the monetary standard, Pa. State Univ, 63; Some neglected contributions to the theory of international transfers & Stereotypes of classical transfer theory, J. Polit. Econ. Address: Dept. of Economics, Boucke Bldg, Pennsylvania State University, University Park, Pa. 16802.

MASON, DR. WILLIAM A(LVIN), b. Mountain View, Calif, Mar. 28, 26; m. 48; c. 3. PSYCHOLOGY. B.A. Stanford, 50, M.A., 52, Ph.D.(psychol), 54. Asst. prof. psychol, Wisconsin, 54-59; res. assoc, Yerkes Labs. Primate Biol, 59-63; HEAD BEHAV. SCI, DELTA PRIMATE CENTER, TULANE, 63- U.S.M.C., 44-46. AAAS; Psychol. Assn; Animal Behavior Soc. Comparative and developmental psychology; primates; social behavior; development of nonhuman primates. Publ: Sociability and social organization in monkeys and apes, 64 & Determinants of social behavior in young chimpanzees, 65, Academic; Early social deprivation in the nonhuman primates; implications for human behavior, Rockefeller Univ, 68. Address: Delta Primate Center, Covington, La. 70433.

MASOTTI, DR. LOUIS HENRY, b. New York, N.Y., May 16, 34; m. 58; c. 2. POLITICAL SCIENCE. A.B. Princeton, 56; M.A. Northwestern, 61, Ph.D. (polit. sci), 64; fel. Nat. Center Ed. Polit, 61-62. Asst. prof. POLIT. SCI, Northwestern, summer 63; CASE WESTERN RESERVE, 63-67, ASSOC. PROF, 67- Consult, Nat. Adv. Cmn. Civil Disorders, 67-68; Nat. Inst. Ment. Health, 67-68. U.S.N.R., 56-59, Lt. Polit. Sci. Assn. Urban political, social and behavioral analysis. Publ: Education and politics in suburbia, Western Reserve, 67; co-auth, Metropolis in crisis, Peacock Pub, 67 & Civil violence in the urban community, Sage Pub, 68. Address: Dept. of Political Science, Case Western Reserve University, Cleveland, Ohio 44106.

MASSA, PROF. RICHARD W(AYNE), b. Carona, Kans, May 2, 32; m. 60; c. 3. JOURNALISM, ENGLISH. B.J. Missouri, 54, M.A., 55. Instr. journalism, Missouri, 55; Miss. State Col. Women, 57-58; JOURNALISM & ENG, OKLA. COL. LIB. ARTS, 58-61, ASST. PROF, 61- U.S.A., 55-57, Res, 57-62. Nat. Coun. Teachers Eng; Asn. Ed. Journalism. Sociological aspects of newspaper reporting with emphasis on crime. Publ: Co-auth, Contemporary man in world society, 67 & Classical readings for contemporary man in world society, 67, Okla. Col. Lib. Arts. Address: Dept. of Journalism, Oklahoma College of Liberal Arts, Box 3548, Chickasha, Okla. 73018.

MASSARIK, PROF. FRED, b. Vienna, Austria, June 21, 26; nat; m. 55. PSYCHOLOGY, SOCIOLOGY. B.A. California, Los Angeles, 45, M.A. 48, Ph.D. (psychol), 57. Jr. res. psychologist-sociologist, INST. INDUSTR. RELS, CALIFORNIA, LOS ANGELES, 48-61, ASSOC. RES. PSYCHOLOGIST-SOCIOLOGIST, INST. & ASSOC. PROF. BEHAV. SCI. & INDUSTR. RELS, SCH. BUS. ADMIN, 61-, INSTR. PSYCHOL. & BUS. ADMIN, EXTEN, 50-, acting instr. sch. bus. admin, 50-51, 54-61. Lectr, Loyola (Calif), 49-50, 52-54. Consult. & res. dir, Los Angeles Jewish Fedn. Coun. & Jewish Centers Assn, 48- U.S.A., 50-51. AAAS; Psychol. Assn; Sociol. Assn; Statist. Assn; Asn. Pub. Opinion Res. Social and industrial psychology, public opinion. Publ: Co-auth, Leadership and organization, McGraw, 61; co-ed, Mathematical explorations in behavioral science, Irwin, 65; Jewish population of Los Angeles, Reconstructionist. Address: 6245 Scenic Ave, Hollywood, Calif. 90028.

MASSARO, DR. NICK, b. Bedford, Ohio, July 4, 14; m. 53; c. 2. SOCIOLOGY. Ph.D.(sociol), Southern California, 55. Lectr, Southern California, 53-54; from asst. prof. to ASSOC. PROF. SOCIOL, CALIF. STATE COL. LONG BEACH, 54- U.S.N., 42-45. AAAS; Sociol. Assn; Acad. Polit. & Soc. Sci. Communication; social planning and population; research in field of television and learning. Address: Dept. of Sociology, California State College at Long Beach, 6101 E. Seventh St, Long Beach, Calif. 92641.

MASSE, DR. JACQUELINE C, b. Montreal, Que, Oct. 25, 30. SOCIOLOGY. B.Ped. Montreal, 52; M.A. Chicago, 61, Ph.D.(sociol), 65. Res. asst. social classe, A.C.C. Can, 57-58; tech. officer, Dom. Bur. Statist, 59-60; res. asst. soc. psychol, Chicago, 63-64; ASST. PROF. SOCIAL PSYCHOL, MONTREAL, 65- Res. grant, Royal Cmn. Enquiry on Sunday Observance in Pulp & Paper Indust, 66; res. grant & consult, Franklin Inst. Pa, 67 & Minister of Ed, 68. Am. Sociol. Assn; Can Polit. Sci. Assn. Social psychology; sociology of education. Publ: Social relations and cultural differences: student friendship in an international house, 61 & Interpersonal attraction and similarity of nationality tenure and location, 65, Univ. Chicago Microfilm; Repercussions sociales, In: Rapport de la Commission Royale sur le travail du dimanche dans l'industrie de pulpe et papier, Off. d'Information et de Publicité du Québec, 66. Address: Dept. of Sociology, University of Montreal, Montreal, Que, Can.

MASSEL, DR. MARK S, b. New York, N.Y., Aug. 6, 10; m. 35, 66; c. 2. ECONOMICS, LAW. B.S. N.Y. Univ, 30, A.M. & J.D., 33; Brookings Inst, 34-35; Columbia, 36-37. Off. & gen. mgr. printing & pub. co, 27-30; asst. chief auditor, savings bank, 30-31; asst, N.Y. Univ, 32-33; cost consult, consumers' adv. bd, Nat. Recovery Admin, 33-35, asst. to mem. Nat. Indust. Recovery Bd, 35; sr. statistician, Works Progress Admin, 35-36, consult, 36-38; legal analyst, Mkt. Laws Surv, 38-39; Temporary Nat. Econ. Cmn, 39-40; consult. on costs & prices, U.S. Dept. Interior, 40; head consult, War Prod. Bd, 40-43; chief price policy br, purchases div, Army Serv. Forces, U.S. Dept. War, 43-44; partner, Bell, Boyd, Marshall & Lloyd, 44-58; sr. mem. staff, Brookings Inst, 58-67. Lectr, U.S. Dept. Agr. Grad. Sch, 37-42; grad. sch, American Univ, 41-42; Chicago, 55-58; California, 56; vis.

prof, Michigan, 64; Wisconsin, summer, 67. Chmn. policy cmt, Sanford Ink Co, 58-; mem, Secy. Commerce Panel Invention & Innovation, 65-67; consult, Common Mkt. Cmn, 65- Econ. Asn; Bar Asn; Nat. Asn. Acct; Am. Acct. Asn; Law and Society Asn. Interrelations between economics, law and accounting; the regulatory process; relations between law and the sciences. Publ: Business reserves for post-war survival; Competition and monopoly; legal and economic issues; The regulatory process, In: Law and contemporary problems. Address: 3306 Fessenden St. N.W., Washington, D.C. 20008.

MASSELL, DR. BENTON F(RANK), Econ, see 10th ed, Soc. & Behav. Vols.

MASSEY, PROF. FRANK JONES, JR, Math. Statist, see 11th ed, Phys. & Biol. Vols.

MASSEY, DR. RICHARD WALTER, JR, b. Birmingham, Ala, May 19, 17; m. 59; c. 2. ECONOMICS. B.S. Virginia, 39; M.A. Birmingham-South. Col, 56; Ph.D. Vanderbilt, 59. Asst. to chancellor, Vanderbilt, 58-59, instr. hist, 59-60; assoc. prof. ECON, Birmingham-South. Col, 60-67; VIS. ASSOC. PROF, ALABAMA, 67- U.S.A., 41-46, Maj. Economic history of the South; history of the lumber industry in the South; regional development. Publ: History of the lumber industry in Alabama and West Florida, 1880-1914. Address: School of Commerce & Business Administration, University of Alabama, University, Ala. 35486.

MASSEY, DR. WILLIAM C, b. San Mateo, Calif, June 17, 17; m. c. 2. ANTHROPOLOGY, GEOGRAPHY. A.B. California, Berkeley, 40, fcls, Assocs. Trop. Biog, 47-48 & Annie M. Alexander Fund, 49, Ph.D.(anthrop), 55. Instr. anthrop, Washington (Seattle), 50-55, asst. prof. anthrop, hist. & geog, 55-58; ASSOC. PROF. biol. sci, Florida, 58-64; ANTHROP, TEXAS CHRISTIAN, 65- Nat. Sci. Found. grant, 63-64; Wenner-Gren Found. summer grant, 67. U.S. Maritime Serv, 43-45, Lt.(jg). Baja California, Mexico; northwest Mexico. Publ: Co-auth, Comparative studies of the North American Indian, Am. Philos. Soc, 57 & A burial cave in Baja California, Univ. California, 61; auth, The Castalio collection from central and southern Baja California, Univ. California, 66. Address: Dept. of Anthropology, Texas Christian University, Ft. Worth, Tex. 76129.

MASSEY, WILLIAM L(EE), JR, Math. Statist, see 10th ed, Soc. & Behav. Vols.

MASSIALAS, DR. BYRON G, b. Athens, Greece, Nov. 1, 29; U.S. citizen; m. 57; c. 2. POLITICAL SCIENCE, EDUCATION. B.A. Butler, 57; M.A. Indiana, 58, Ph.D.(ed, soc. sci), 61. Instr. soc. sci, Indiana, 59-61; asst. prof. ed. & soc. sci, Chicago, 61-65; ASSOC. PROF. ED, MICHIGAN, 65- U.S. Off. Ed. prof. grant, 66-; res. grant, 67-69. Ed. Res. Asn; Polit. Sci. Asn; Comp. Ed. Soc. Psychological and classroom studies on teaching social studies through inquiry; the role of education in the political socialization of the child and in the political development of Lebanon. Publ: Co-auth, Tradition and change in education: a comparative study, Prentice-Hall, 65, Inquiry in social studies, McGraw, 66 & Creative encounters in the classroom, Wiley, 67. Address: School of Education, University of Michigan, Ann Arbor, Mich. 48104.

MASSIE, PROF. JOSEPH L(OGAN), b. Lexington, Ky, Jan. 27, 21; m. 42; c. 3. ECONOMICS. B.S. Kentucky, 41, M.A., 43; Ph.D.(bus), Chicago, 55. From instr. to asst. prof. econ, Kentucky, 46-54; asst. prof. mgt, Chicago, 55-57; assoc. prof. BUS. ADMIN, KENTUCKY, 58, PROF, 59-, DIR. GRAD. STUDIES & ASSOC. DEAN COL. BUS. & ECON, 66-, chmn. dept. bus. admin, 65-66. Mem. faculty, Texas, 56; Danforth Found. fel, 56-60; Found. Econ. Ed. fel, 56; Ford Found. & Volkner Found. fcls, 58; Fulbright lectr, Univ. Malaya, 64-65; vis. prof, Melbourne, 65. U.S.A., 43-46, Res, 46-58, Capt. Econ. Asn; Soc. Adv. Mgt; Acad. Mgt; Int. Univ. Contact for Mgt. Ed. Role and function of committees; comparative international management; administrative theory. Publ: Co-auth, Management; analysis, concept and cases; auth, Blazer and Ashland Oil; Essentials of management, Prentice-Hall, 64. Address: College of Business & Economics, University of Kentucky, Lexington, Ky. 40506.

MASSIE, DR. MICHAEL R. C, Forest Econ, see 11th ed, Phys. & Biol. Vols.

MASSMANN, DR. SYLVESTER H, b. New Munich, Minn, Feb. 20, 24; m. 56; c. 2. POLITICAL SCIENCE, PHILOSOPHY. B.A. St. John's (Minn), 51; Bishop's scholar. & M.A. Catholic Univ, 55; Tozer Found. fel. & Ph.D. (polit. sci), Minnesota, 63. Teacher & asst. prin, Karlsruhe High Sch, 51-52; instr. hist. & polit. sci, S.Dak. State, 56-57, asst. prof, 57-61; polit. sci, Adams State Col, 62-66; ASSOC. PROF. SOC. SCI, ST. CLOUD STATE COL, 66- Adams State Col. faculty res. grant, 64-65. U.S.A., 44-46. AAAS; Polit. Sci. Asn. Freedom in political theory and philosophy; relationship and effect of myth on the actualization of freedom. Publ: Myth, freedom and political thought, Rocky Mt. Soc. Sci. J, 10/67. Address: Dept. of Social Sciences, St. Cloud State College, St. Cloud, Minn. 56301.

MASSON, DR. FRANCIS GEORGE, b. Pilaes, Mex, Mar. 11, 29; m. 53; c. 2. ECONOMICS, PUBLIC ADMINISTRATION. B.A. Washington State, 50; M.A. Ohio State, 51, Ph.D.(econ, pub. admin), 54; Maryland, 60-63; George Washington, 64-66. Instr. econ, Ohio State, 51-53; fel. minerals res, U.S. Bur. Mines, 53-54; economist pub. finance, State Legis. Serv. Cmn, Ohio, 55-56; mineral economist, UN Econ. Cmn, Latin Am, 56-57; economist, Klein & Saks Econ. Mission, Chile, 57-58; assoc. dir. res, Nat. Planning Asn, Can, 58-61; int. economist, U.S. Tariff Cmn, 61-62, balance of payments div, U.S. Dept. Commerce, 62-64, DEP. COORDINATOR LATIN AM. & CHIEF INDUSTRY DIV, AGENCY INT. DEVELOP, 64- Lectr, George Washington, 62-63. Consult, Clivette Corp, 54; Merck, Inc, 60. U.S.A., 54-55. Econ. Asn; Soc. Int. Develop; Colombian Soc. Economists. Social security; mineral economics of Latin America; Canadian-American relations; technical research and extension in less-developed countries. Publ: Invisible trade barriers between Canada and the United States, Nat. Planning Asn, 62; co-auth, Capital requirements and Argentina's growth, J. Royal Statist. Soc, 67 & Trimestre Economico, 67. Address: 5527 Nevada Ave. N.W., Washington, D.C. 20015.

MASSON, DR. LOUIS I, b. St. Boniface, Man, Nov. 25, 23; m. 47; c. 4. PSYCHOLOGY. B.A. Manitoba, 44, B.Ed, 53, M.Ed, 57; Ph.D.(psychol), Ottawa (Ont), 63. Sch. psychologist, Child Guid. Clin. Greater Winnipeg, 58-63; dir. psychomet. res, dept. ed, Quebec, 63-65; ASSOC. PROF. ED. PSYCHOL, CALGARY, 65- Consult, St. Boniface Gen. Hosp, Winnipeg, Man, 61-63; test develop. cmt, Serv. Admission Col. & Univ, 67- Can. Army, 44-46, 50-58, Maj. Can. Psychol. Asn.(asst. ed, Can. Psychologist, 66-68). Counseling; test development, especially in area of scholastic aptitude tests; self-concept test-development-Q-sort type. Publ: The influence of developmental level upon the learning of a second language, Can. Ed. & Res. Digest, 64; The development of an educational achievement test for French-speaking soldiers, Nat. Defence Tech. Bull, 58; The self-concept of adolescents, Can. Counsr, 68. Address: Dept. of Educational Psychology, University of Calgary, Calgary, Alta, Can.

MASSON, PROF. ROBERT L(OUIS), b. Washington, Iowa, Aug. 31, 91; m. 23; c. 3. FINANCE. A.B. Iowa, 12, A.M., 15; A.M., Harvard, 22. Asst. econ, Iowa, 14-16; Harvard, 16-17, 19-20, instr, 20-23; asst. prof, Michigan, 23-24, assoc. prof. FINANCE, 24-29; HARVARD, 29-39, prof, 39-58, EMER. PROF, 58- Fulbright lectr, European Inst. Admin. Affairs, France, 60-61; faculty mem, Adv. Mgt. Prog. Far East, Baguio City, Philippines, summer, 67. Consult, Indian Inst. Mgt, Ahmedabad, 64-65, Agra Prog, 66. U.S.A., 17-19, Capt. Econ. Asn. Financial management. Publ: Case study of balloting regulation: the Boston and Maine stock modification; co-auth, Cases in financial management. Address: 19 Hornbeam Lane, Centerville, Mass. 02632.

MASSOPUST, DR. LEO C(ARL), JR, Anat, see 11th ed, Phys. & Biol. Vols.

MASSY, DR. WILLIAM F(RANCIS), b. Milwaukee, Wis, Mar. 26, 34; m. 56; c. 2. MARKETING. B.S. Yale, 56; S.M. Mass. Inst. Tech, 58, Ph.D.(indust. econ), 60. Instr. indust. mgt, Mass. Inst. Tech, 58-60, asst. prof, 60-62; mkt. STANFORD, 62-64, ASSOC. PROF. BUS. ADMIN, 64-, DIR. DOCTORAL PROG, GRAD. SCH. BUS, 67- Ford distinguished vis. prof, Carnegie Inst. Tech, 66-67. Inst. Mgt. Sci; Statist. Asn; Mkt. Asn. Statistical and simulation studies of buying behavior, especially sales growth of new products; simulation of complete marketing systems. Publ: Co-auth, Quantitative techniques in marketing analysis, Irwin, 62 & Consumer buying behavior: its personality and socioeconomic correlates, Univ. Pennsylvania, 68; auth, Principle components-regression in exploratory statistical research, J. Am. Statist. Asn, 3/65. Address: Graduate School of Business, Stanford University, Stanford, Calif. 94305.

MASTEN, FLOYD E(DWARD), b. Pleasant Valley, N.Y, Mar. 8, 06. ECONOMIC GEOGRAPHY, FINANCE. B.S. Syracuse, 28; Chicago, 30-33; Vienna, 50; M.S. Columbia, 53. Attaché, U.S. Dept. State, 46-52; security analyst, Merrill, Lynch, Pierce, Fenner & Smith, 53-55; chief res. dept. Granger & Co, 55-56; mgr. financial info. serv, Mellott, Thomsen, Pitney & Co, 56-59; dir, Masten & Co, 59-62; DIR. EQUITY RES, ROBERT WINTHROP & CO, 60- Lectr, Columbia, 53-55, 56, 57-60; grad. sch. bus, Rutgers, 55; instr, Iona Col, 60- Fel. AAAS; Asn. Am. Geog; tel. Am. Geog. Soc. Special situations; banking. Address: 32 Washington Square W, New York, N.Y. 10010.

MASTEN, PROF. JOHN T(ALBOT), b. Newark, N.J, Mar. 13, 14. ECONOMICS. B.S. Illinois, 36, fel, 36-38, M.S. 37; Ph.D.(econ), North Carolina, 42. Asst. prof. econ, DePauw, 41-44; finance, Ohio Wesleyan, 44-45; regional price economist, Bur. Labor Statist, 45-47; chmn. dept. econ, Kalamazoo Col, 47-48; prof. money & banking, Kentucky, 48-67; PROF. MONEY & BANKING, GEORGIA & ED. DIR, GA. SCH. BANKING, 67- Mem. faculty, Ky. Sch. Banking, Univ. Kentucky, 48-; Stonier Grad. Sch. Banking, Rutgers, 61-63 & 65; Sch. Banking of South, La. State Univ, 65- Investment counsr, Ill. Bankers Asn, 37-38; consult, Ky. Bankers Asn, 62-; U.S. Off. Ed, 66. Econ. Asn; Finance Asn. Analysis of the bond portfolio policy of commercial banks; private finance; money and banking; bank administration. Publ: Commercial bank failures in a changing economy, Commercial & Financial Chronicle; Analyzing a bank's financial position and potential, Ky. Banker, 11/67; Excess reserves and federal funds, South. Banker, 2/68. Address: Dept. of Finance, College of Business Administration, University of Georgia, Athens, Ga. 30601.

MASTERMAN, DR. ALICE BELL, b. Johnstown, Pa, Nov. 10, 05; m. 54. CLINICAL PSYCHOLOGY. B.S. Northwestern, 36; M.Ed, Cincinnati, 40; Ph.D., Ohio State, 45. Teacher, pub. schs, Ohio, 30-34; teacher & counsr, Stephens Col, 45-48; ASST. PROF. CLIN. PSYCHOL. COL. MED. CINCINNATI, 48- Psychol. Asn. Projective studies; psychological testing; diagnosis and psychotherapy. Address: 847 Ludlow Ave, Cincinnati, Ohio 45220.

MASTERS, DR. JOHN C, b. Terre Haute, Ind, Oct. 25, 41. PSYCHOLOGY. A.B. Harvard, 63; Ph.D.(psychol), Stanford, 67. ASST. PROF. PSYCHOL, Arizona State, 67-68; INST. CHILD DEVELOP, MINNESOTA, MINNEAPOLIS, 68- U.S. Pub. Health Serv. res. fel, lab. human develop, Stanford, 67. Psychol. consult, Vet. Admin, 67- Psychol. Asn; Soc. Res. Child Develop. Effects of frustration and social comparison processes on behavior of children; effectiveness of psychotherapy. Address: Institute of Child Development, University of Minnesota, Minneapolis, Minn. 55455.

MASTERS, DR. KENNETH W(HALEY), Econ, see 10th ed, Soc. & Behav. Vols.

MASTERS, PROF. NICHOLAS A(RTHUR), b. Carbondale, Ill, Feb. 8, 29; m. 49; c. 2. POLITICAL SCIENCE. B.A. Southern Illinois, 50, M.A., 51; fel, Wis-consin, 54-55, Ph.D.(polit. sci), 55. Instr. polit. sci, Wayne State, 55-57, asst. prof, 57-60; vis. assoc. prof, Washington (St. Louis), 60-62; res. assoc. with Dr. James B. Conant, study of ed. of Am. teachers, 62-63; assoc. prof. POLIT. SCI, PA. STATE, 63-64, PROF, 64-, proj. dir. Off. Econ. Opportunity Decision-Making Study, 66-68. Ford Found. fel, 58-60. Res. consult, Joint Cmt. Orgn. of Cong. D.C., 65- U.S.N., 45-46. Polit. Sci. Asn. Legislative process; American national government; American state and local government; political parties and interest groups. Publ: Co-auth, State politics

and the public schools, Knopf, 64; auth, Committee assignments in the House of Representatives, Am. Polit. Sci. Rev; Politics of union endorsement of candidates in the Detroit area, Midwest J. Polit. Sci. Address: Dept. of Political Science, Pennsylvania State University, University Park, Pa. 16802.

MASTERS, DR. ROGER D(AVIS), b. Boston, Mass, June 8, 33; m. 56; c. 2. POLITICAL SCIENCE. A.B. Harvard, 55; Soc. Sci. Res. Coun. & Woodrow Wilson fcls, Chicago, 57, A.M. 58, Ph.D. 61. Instr. polit. sci, Yale, 61-62, asst. prof, 62-67; ASSOC. PROF. GOVT, DARTMOUTH COL, 67- Soc. Sci. Res. Coun. & Yale jr. faculty res. grant, France, 64-65, Guggenheim res. fel, 67-68. U.S.A. 55-57. Polit. Sci. Assn. Political philosophy and theory of international politics; relevance of ethology and evolutionary biology for political theory. Publ: Ed. & co-transl, Rousseau: first and second discourses, St. Martins, 64; auth, The nation is burdened, Knopf, 67; The political philosophy of Rousseau, Princeton, 68. Address: Dept. of Government, Dartmouth College, Hanover, N.H. 03755.

MASTERS, DR. STANLEY H, b. Boston, Mass, Feb. 11, 40; m. 66. ECONOMICS. B.A., Amherst Col, 61; Ph.D.(econ), Princeton, 65. Economist, U.S. Off. Econ. Opportunity, 65-66; res. assoc, Brookings Inst, 66-67; ASST. PROF. ECON, RUTGERS, 67- Econ. Assn. Economics of labor and poverty. Publ: Co-auth, Shifts in the composition of demand and the inflation problem, Am. Econ. Rev, 12/64; auth, The behavior of output per man, South. Econ. J, 1/67. Address: Dept. of Economics, Rutgers, The State University, New Brunswick, N.J. 08903.

MASTERS, DR. WILLIAM DAVID MURRAY, b. Evanston, Ill, May 11, 27. ANTHROPOLOGY. B.A. Michigan, 49, M.A. 50, Viking Fund fel, 51, Rackham fel, 52-53, Ph.D. 54; Fulbright fel, Farouk I. Royal Egyptian Univ, 51-52. Asst, Michigan, 48-49, 50-53, Rackham fel, Turkey, 54-55, staff asst, Iraq & Iran expeds, 51; instr. contemporary civilization, N.C. State Col, 53-54; instr. anthropol. & soc. sci, State Col. Wash, 55-59; ASST. PROF. SOC. SCI, WESTERN ILLINOIS, 59- U.S.A. 45-47. AAAS. Ethnology of the Middle East, Africa, and Soviet Asia; primitive religion; folklore. Publ: Rowanduz, a Kurdish administrative and mercantile center. Address: Dept. of Social Sciences, Western Illinois University, Macomb, Ill. 61455.

MASTERSON, PROF. THOMAS R(OBERT), b. Crystal Lake, Ill, Sept. 17, 15; m. 40; c. 3. BUSINESS & PUBLIC ADMINISTRATION. M.B.A., Chicago, 48, Ph.D. 56. From asst. prof. to assoc. prof. MGT, DePaul, 49-60; assoc. prof, EMORY, 60-64, PROF, 64- Dir, Mandabach & Simms, Inc, 59- U.S.A. 41-45, Capt. Soc. Adv. Mgt; Mgt. Asn; Acad. Mgt; Soc. Personnel Admin. Executive development; public management and corporations; management training; retraining military retirees for business positions. Publ: Co-auth, Ethics for business managers, Pitman, 68 & Military retirees for business, Personnel Adminstr, 7/67. Address: 873 N. Superior Ave, Decatur, Ga. 30033.

MASTEY, SISTER MARY MARTINA, C.S.S.F. b. Detroit, Mich, Nov. 4, 13. EDUCATIONAL PSYCHOLOGY. A.B. Madonna Col, 48; M.A. Fordham, 51, Ph.D. 54. Teacher, parochial schs, Mich. & Ohio, 33-47; St. Stanislaus High Sch, 48-49; DIR. PSYCHOL-ED. CENTER, MADONNA COL, 52- HEAD DIV. TEACHER TRAINING, 54-, acad. dean, 60-65. Instr, Marillac Col, 59-60; summer instr, St. Mary Col.(Kans), 63 & 66. Consult, parochial schs, Grand Rapids, Mich, 56-58. Psychol. Assn. Visual deficiency and nature of reading disability; diagnosis and remedial treatment of perceptually deficient children. Address: Dept. of Educational Psychology, Madonna College, 36600 Schoolcraft Rd, Livonia, Mich. 48150.

MASUOKA, DR. EDNA, b. Bedford Co, Tenn, July 31, 18; m. 48; c. 3. SOCIOLOGY. A.B. Scarritt Col, 43, A.M. 44; Rosenwald Fund fel, North Carolina, 45-47, Nat. Coun. Relig. Higher Ed. fel, 46-47, Ph.D. 47; summers, Colorado, 65, Denver, 67. Instr. sociol, N.C. Col. Durham, 47; Western Reserve, 47-49; Fisk, 50-52, asst. prof, 58-59, lectr. sociol. & anthropol, 61-62; ASSOC. PROF. SOCIOLOGY, TENNESSEE STATE, 65- B'nai B'rith Race Rel. fel, 50-51. Mem. Nat. Coun. Social Work Ed. Sociol. Asn; Pop. Asn; Nat. Coun. Family Rel. Family relations, especially the Japanese family; minority groups. Address: Dept. of Sociology, Tennessee Agricultural & Industrial State University, 35th & Centennial Blvd, Nashville, Tenn. 37203.

MASUOKA, PROF. J(ITSUICHI), b. Japan, Dec. 17, 03; nat. SOCIOLOGY. A.B. Col. of Emporia, 28; Kansas, 28-29; A.M. Hawaii, 31; Ph.D. Iowa, 40; Chicago, 43. Assoc. prof. SOCIOLOGY, FISK, 43-51, PROF. & CHMN. DEPT. 51- Vis. prof, Michigan, 50-51; Fulbright lectr, Japan, 59-60. Sociol. Asn; Statist. Asn; fel. Soc. Appl. Anthropol; fel. Pop. Asn. Race and culture contacts; minority peoples; statistics. Publ: Co-auth, Race relations problems and theory, Univ. North Carolina, 61. Address: Park Hall, Fisk University, Nashville, Tenn. 37208.

MATARAZZO, PROF. JOSEPH D(OMNIC), b. Caiazzo, Italy, Nov. 12, 25; U.S. citizen; m. 49. PSYCHOLOGY. A.B. Brown, 46; M.S. Northwestern, 50, Ph.D.(psychol), 52. Intern clin. psychol, sch. med, Washington (St. Louis), 50-51, instr. med. psychol, 51-53, asst. prof, 53-55; assoc. psychol. & res. assoc, Mass. Gen. Hosp. & Harvard Med. Sch, 55-57; PROF. MED. PSYCHOL. & CHMN. DEPT. MED. SCH, OREGON, 57- Consult, ed. psychol. series, Aldine Pub. Co, 64- Pres, Am. Assn. State Psychol. Bd, 63-64; mem. nursing res. & patient care study sect, div. res. grants, Dept. Health, Ed. & Welfare, 63-66, nurse scientist grad. training cmt, 67-71; adv. panel, U.S. Dept. Defense, 66-70. Hofheimer Prize, Am. Psychiat. Asn, 62. U.S.N.R., 43-47. Fel. AAAS; fel. Psychol. Asn; Psychonomic Soc; Int. Coun. Psychol. Psycholinguistics; personality. Publ: Prescribed behavior therapy: suggestions from interview research, In: Experimental foundations of clinical psychology, Basic Books, 62; The interview, In: Handbook of clinical psychology, McGraw, 65; co-auth, Studies of interview speech behavior, In: Research in behavior modification: new developments and their implications, Holt, 65. Address: 1934 S.W. Vista Ave, Portland, Ore. 97201.

MATARAZZO, DR. RUTH G(ADBOIS), b. New London, Conn, Nov. 9, 26; m. 49; c. 3. PSYCHOLOGY. A.B. Pembroke Col, Brown, 48; Radcliffe Col, 49;

Barr fel, Washington (St. Louis), 51-52, M.A. 52, Ph.D.(psychol), 55. Res. fel. psychol, Harvard Med. Sch, 55-57; asst. psychologist, Mass. Gen. Hosp. Boston, 56-57; asst. prof. MED. PSYCHOL, MED. SCH, OREGON, 57-63, ASSOC. PROF, 63- Consult, Portland Center Hearing & Speech, 67- Dipl, clin. psychol, Am. Bd. Exam. Prfnl. Psychol, 64. Fel. Psychol. Assn. Process of learning interview skills; quantitative approaches to the study of verbal interaction; delineation of therapeutic factors in the therapeutic community. Publ: Relationship between medical and psychiatric symptoms, J. Abnorm. & Soc. Psychol; Learning the art of interviewing: a study of what beginning students do and their pattern of change, Psychother: Theory, Res. & Practice, 7/65; Experimentation in the teaching and learning of psychotherapy skills, In: Methods of research in psychotherapy, Appleton, 66. Address: 1934 S.W. Vista Ave, Portland, Ore. 97201.

MATCHETT, PROF. GERALD J(AMES), b. Fruita, Colo, Sept. 29, 12; m. 42; c. 2. ECONOMICS. A.B. Colorado, 34; M.A. Clark, 35, fel. & Ph.D.(econ), 39. Instr. econ, Cornell, 37-39; Indiana, 39-41; chief rev. div, 9th Regional War Labor Bd, 42-44; mem. faculty, U.S. Army Univ.(France), 45-46; assoc. prof. ECON, ILL. INST. TECH, 46-55, PROF, 55- Summer vis. prof, Stanford, 63-68. U.S.A.A.F., 44-46. Econ. Asn; Soc. Eng. Ed. Labor economics; economics of capital investment and replacement; price theory; capital investment analysis for public utilities. Publ: Co-auth, Modern labor economics; Economics, principles and problems; contrib, Wages, In: Encyclop. Britannica. Address: 5536 S. Kimbark Ave, Chicago, Ill. 60637.

MATER, DR. D(ANIEL) H(ARRISON), b. Bridgeton, Ind, Dec. 30, 02; m. 34; c. 2. TRANSPORTATION ECONOMICS. B.A. & B.S. New Mexico, 34; fel, Chicago, 35-39, Ph.D.(transportation), 41. TRANSPORTATION ECONOMIST, U.S. GOVT, 42- Research, analysis and planning in transportation. Publ: Railroad seniority system; Hourly remuneration rates; Railroad consolidation. Address: 8101 McArthur Blvd, Bethesda, Md. 20034.

MATES, DR. BARBARA, b. Brooklyn, N.Y., May 25, 32; m. 55; c. 1. PSYCHOLOGY, SPEECH PATHOLOGY. B.A. Brooklyn Col, 53, fel, 53-54, M.A. 54; M.A. Columbia, 63, Ph.D.(psychol), 65. Asst. speech path, Brooklyn Col, 53-54; speech & hearing therapist, cerebral palsy clin, Hosp. Spec. Surg, New York, N.Y. 54-55; lectr, substitute & instr. psychol. & speech path, Brooklyn Col, 55-61; teaching asst. PSYCHOL, BARNARD COL, COLUMBIA, 62-63, lectr, 63-64, instr, 64-66, ASST. PROF, 66- Speech pathologist, 53-62; speech & hearing therapist, Brooklyn, Community Speech & Hearing Center & sch. gen. studies, Brooklyn Col, 54-61. AAAS; Psychol. Asn; Speech & Hearing Asn. Visual perception; language and speech; speech pathology; psycholinguistics; developmental psychology. Publ: Co-auth, Two apparatus arrangements for the study of real movement, Psychologia, 11/67. Address: Dept. of Psychology, Barnard College, Columbia University, New York, N.Y. 10027.

MATHENY, DR. ADAM P, JR, b. Stanford, Ky, Sept. 6, 32; m. 67. PSYCHOLOGY. B.S. Columbia, 58; Ph.D.(psychol, sociol), Vanderbilt, 62. Sr. engr, space systs. div, Martin Co, 62-63; instr. ment. retardation, sch. med, Hopkins, 63-65; clin. instr. PEDIAT, sch. med, Georgetown, 65-67; ASST. PROF, SCH. MED, LOUISVILLE, 67-, CHILD DEVELOP, UNIV. COL, 68- Nat. Inst. Child Health & Human Develop. staff fel, 65-67. Consult, birth defects unit, Univ. Louisville, 67- U.S.N. 51-55. AAAS; Psychol. Assn. Behavioral assessment of central nervous system disorders; neonatal research; assessment of communication disorders; conditioning of attention; assessment and theory of early infantile autism. Publ: Co-auth, Counseling for genetics in medical practice, Mosby, 68; auth, Improving diagnostic forecast made on a developmental scale, 66 & Reactive inhibition—mental retardate's distractibility, 68, Am. J. Ment. Deficiency. Address: Dept. of Pediatrics, University of Louisville School of Medicine, Louisville, Ky. 40202.

MATHENY, DR. WILLIAM G(UY), b. Russell Springs, Kans, Sept. 27, 19; m. 52; c. 3. PSYCHOLOGY. A.B. Ft. Hays Kans. State Col, 46; Ph.D.(psychol), Maryland, 49. Asst. prof. psychol, Illinois, 49-53; chief proficiency res. br, Interceptor Pilot Res. Lab, 54-55; chief human factors, Bell Helicopter Corp, 55-62; PRES, LIFE SCI, INC, 62- Consult, human resources res. center, U.S. Air Force, 50-54. U.S.A.A.F., 42-46. Psychol. Asn; Statist. Asn; Psychomet. Soc; Human Factors Soc. Publ: Effectiveness of aptitude testing in the civilian pilot training program, Trans. Kans. Acad. Sci; co-auth, Transfer in tracking as a function of control friction, J. Appl. Psychol. Address: Life Sciences, Inc, 7305 Grapevine Highway, Ft. Worth, Tex. 76118.

MATHER, PROF. EUGENE C(OTTON), b. West Branch, Iowa, Jan. 3, 18; m. 44; c. 2. GEOGRAPHY. A.B. Illinois, 40, M.S. 41; Ph.D. Wisconsin, 51. Geogr. Army Map Serv, D.C. 42; res. analyst, Off. Strategic Serv, 43-45; instr, Wisconsin, 46-47; asst. prof. GEOG, Georgia, 47-51, assoc. prof, 51-56; vis. prof, British Columbia, 56-57; assoc. prof, MINNESOTA, MINNEAPOLIS, 57-64, PROF, 64-, chmn. dept, 61-64. Ford Found. res. grants, Chile, 64-65 & Nicaragua, 65-66; vis. prof, British Columbia, 66; Toronto, 68. Asn. Am. Geog; Can. Am. Geog; Netherlands Am. Econ. & Soc. Geog. Rangelands and cattle grazing; rural geography of the Americas. Publ: Co-auth, Southeastern excursion guidebook; auth, American fence; Character of tobacco barns and their role in the tobacco economy in the United States. Address: Dept. of Geography, University of Minnesota, Minneapolis, Minn. 55455.

MATHER, DR. JEAN PAUL, b. Del Norte, Colo, Dec. 15, 14; m. 36; c. 2. ECONOMICS, STATISTICS. B.S.C. Denver, 37, M.B.A. 48; Chicago, 39; M.A. Princeton, 51; LL.D. Am. Int. Col, 55, Amherst Col, 56, Northeastern, 58, Rhode Island, 60, Hokkaido, 63; D.Sc. Lowell Tech Inst, 55; L.H.D. Lesley Col, 58. Acad. v-pres. & provost, Massachusetts, 53-54, pres, 54-60; Am. Col. Testing Prog, 60-62; v-pres. & gen. mgr, Purdue Res. Found, 62-64; exec. v-pres, UNIV. CITY SCI. CENTER & INST, 64-67, PRES, 67- Consult, Tax Cmn, Mass, Conn. & N.J., 48-51; Vet. Admin. Cmt. on Ed, 58-63; N.Y. Cmn. Higher Ed, 60-61; Main Cmn. Higher Ed, 66. U.S.N.R., 43-46, Lt. Acad. Polit. Sci; fel. Am. Acad. Arts & Sci. Taxation and public finance; higher education; organization and administration; research admin-

istration. Address: University City Science Center & Institute, Science Center Bldg. One, 3401 Market St, Philadelphia, Pa. 19104.

MATHER, PROF. WILLIAM G(REEN), b. Chicago, Ill, July 15, 01. SOCIOLOGY. B.S. Denison, 24; B.D. Rochester Theol. Sem, 27; M.S. Cornell, 33, Ph.D. 36. Pastor, Baptist Church, N.Y. 28-31; acting prof. sociol. & econ. Franklin Col, 34-36, acting head dept, 34-35, prof. & head dept, 36-43; prof. sociol. DePaul, 43-45; rural sociol. PA. STATE, 45-62, head dept. sociol. & anthrop. 55-62, RES. PROF. SOCIOLOGY, 62- Am. Sociol. Assn; Rural Sociol. Soc; Pub. Health Assn; Royal Soc. Health. Rural sociology; health, welfare and religion. Address: Dept. of Sociology & Anthropology, 120 Graduate Bldg, Pennsylvania State University, University Park, Pa. 16802.

MATHES, DR. WILLIAM LLOYD, Russian Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MATHEWS, DR. CHESTER O(RA), b. Crab Orchard, Nebr, Apr. 25, 95; m. 20, 39; c. 1. EDUCATIONAL PSYCHOLOGY. A.B. Kans. Wesleyan, 19; Northwestern, 23; M.A. Columbia, 24, Ph.D. 27. Res. assoc. teachers col, Columbia, 26-27; assoc. prof. ed, OHIO WESLEYAN, 27-34, prof, 34-63, dir. ED. RES. & EVAL. SERV. 48-63, EMER. DIR. 63-; PSYCHOMETRIST, CALIFORNIA, SANTA BARBARA, 63- U.S.N.R. 18-19. AAAS; fel. Psychol. Assn; Personnel & Guid. Assn; Ed. Res. Assn; Nat. Coun. Measurement in Ed. Educational measurement, evaluation and research; guidance and personnel. Publ: Grade placement of curriculum materials in the social studies; Development of attitude scales in practical politics; Changes in students' attitudes toward practical politics over a four-year period. Address: 5950 Encina Rd, Apt. 2, Goleta, Calif. 93017.

MATHEWS, DR. JANE de HART, Am. Hist, See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MATHEWS, DR. JOHN M(ABRY), Polit. Sci, see 10th ed, Soc. & Behav. Vols.

MATHEWS, DR. QUINTEEN SNOW, b. Bangs, Tex, Mar. 11, 19; m. 42; c. 2. COUNSELING PSYCHOLOGY. B.S. Agr. & Mech. Col, Tex, 40; M.Ed. North Texas State, 54, Ed.D. 58. Teacher, high schs, Tex, 40-42; area supvr, State Bd. Voc. Ed, 46; training specialist, Vet. Admin. Br. Off, 46-48, asst. chief ed. & training, Regional Off, 48-51, chief, 58-59, tech. training specialist, 52-56; training consult, U.S. Off. Voc. Rehab, D.C. 59; field rep. ed. res, U.S. OFF. ED, 59-65, REGIONAL REP. & HIGHER ED. FACILITIES PROG. OFFICER, 65- Liaison officer coordinator, U.S. Air Force Acad, 60- Consult, Nat. Conf. Ment. Retarded, Southern Methodist, 60. U.S.A.A.F, 42-46, 51-52, Res, 52-, Col. Psychol. Assn; Personnel & Guid. Assn. Psychological aspects of disability; clinical use of psychometric scales; learning theory; motivational and achievement levels. Address: 7207 Northaven Rd, Dallas, Tex. 75230.

MATHEWS, DR. SPENCER R(ELMOND), JR, b. Norfolk, Va, Aug. 24, 39; m. 65. PSYCHOLOGY. B.A. Virginia, 61, M.A. 63, Ph.D.(psychol), 67. ASST. PROF. PSYCHOL, CONVERSE COL, 67- Nat. Sci. Found summer fel, Fla. State Univ, 68. Animal activity-motivation; operant conditioning. Publ: Co-auth, Direct observation of the rat's activity during food deprivation, Physiol. & Behav, 1/66. Address: Dept. of Psychology, Converse College, Spartanburg, S.C. 29301.

MATHEWS, DR. THOMAS G(EOERGE), Latin Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MATHEWS, DR. W(ALTER) MASON, b. Iowa, Aug. 2, 03; m. 34; c. 2. PSYCHOLOGY. B.A. Iowa, 40, M.A. 34, Ph.D.(clin. psychol), 37. Psychometrist, psychopath. hosp, Iowa, 37-38; chief psychologist, Child Guid. Clin, 38-42; psychologist, psychol. clin, Hawaii, 45-46; MEM. SR. FACULTY, MERRILL PALMER INST, 46- Consult, State Coun. Coop. Nursery Schs, 53-54. Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.N.R. 42-45, Comdr. Fel. Psychol. Assn; fel. Orthopsychiat. Assn; fel. Soc. Proj. Tech. Clinical and child psychology; child development; family life. Publ: Problems of supervision and training in clinical psychology & Successful adjustment: frame of reference, Am. J. Orthopsychiat; School psychologist in the private school, In: School psychologists at mid-century. Address: Merrill Palmer Institute, 71 E. Ferry St, Detroit, Mich. 48202.

MATHEWSON, PROF. ROBERT H(ENDRY), b. Bridgeport, Conn, Sept. 13, 99; m. 27; c. 3. PSYCHOLOGY. B.S. Connecticut, 22; A.M. Columbia, 32; Ph.D. Yale, 40. Supvr. ED, State Dept. Ed, Conn, 35-45; assoc. prof, Harvard, 45-48; prof, CITY UNIV. NEW YORK, 50-65, EMER. PROF. 65- Dir. occup. surv, Hartford, Conn, 35; lectr, Harvard, 43-45; dir. Guid. Center, Cambridge, Mass, 45-49; Fulbright vis. prof, Amsterdam, 57-58; prof, Hawaii, 64-65; Fulbright prof, Amsterdam, 66, Reading, 66; prof, San Diego State Col, 67; vis. lectr, Illinois, Urbana, 50, 52, California, Berkeley, 54, Leeds, Manchester, Keele & Oxford, 66. Consult, res. proj. sci. personnel, Am. Coun. Ed. & Off. Naval Res, D.C. 48; State Govt. Orgn, Conn, 49. U.S.A. 18. Psychol. Assn; Personnel & Guid. Assn. Guidance and counseling psychology; personality theory; education. Publ: A strategy for American education, 57 & Guidance policy and practice, 62, Harper. Address: Sunset Rd, North Eastham, Mass. 02651.

MATHIA, DR. GENE ARTHUR, b. Turkeyford, Okla, Feb. 28, 35; m. 55; c. 4. ECONOMICS. B.S. Okla. State, 58, M.S. 59; Ph.D.(econ), N.C. State, 61. Asst. prof. ECON, Okla. State, 61-63; vis. asst. prof, Agrarian Univ, Peru, 63-65; ASSOC. PROF, N.C. STATE, 65- Agr. Econ. Assn; Econ. Assn. Marketing; prices; trade and development; location economics. Publ: Model for selecting optimum number and size of processing plants, 62 & Planning data for sweet potato industry, 63, N.C. State Univ; A cost analysis of trucking services in Peru, Anales Cientificos, Agraria Univ, 65. Address: Dept. of Economics, North Carolina State University, Raleigh, N.C. 27607.

MATHIAS, PROF. C(HARLES) WILBER, b. Pittsburgh, Pa, Feb. 15, 09; m. 60. PSYCHOLOGY. B.S. Adrian Col, 33; M.A., Pittsburgh, 37; Pa. State, 47-49;

Ed.D. Indiana, 53. Teacher, pub. schs, Pa, 33-41, 43-46; W.Va, 41-43; instr. math, Bowling Green State, 46-48, PSYCHOL, 48-50; asst. prof, Gettysburg Col, 51-53; PROF. & HEAD DEPT, KUTZTOWN STATE COL, 53- Vis. lectr, Lehigh, 60-61; summer vis. prof, West. Wash. State Col, 64. Psychol. Assn; Nat. Coun. Measurement in Ed. Learning, especially operant conditioning and the construction and validation of tests. Address: Dept. of Psychology, Kutztown State College, Kutztown, Pa. 19530.

MATHIAS, DR. RUDOLF E. S, b. Breslau, Germany, Aug. 10, 20; nat; m. 46. CLINICAL PSYCHOLOGY. B.A. Mass. State Col, 43; M.A. Buffalo, 49, Ph.D. 55. Instr. psychol, med. sch, Buffalo, 48-51; chief psychologist, div. ment. hyg, State Dept. Pub. Welfare, Wis, 51-65; CHIEF PSYCHOL. ADMINSTR, CLIN. SERV, WIS. SCH. GIRLS, 65- From clin. instr. to asst. clin. prof, sch. med, Wisconsin, 51-65, lectr, 65-; mem. faculty, Edgewood Col, 68- Chief psychologist, Wis. Diag. Center, 54-64; dir. psychol. serv, Fairfield Hills Hosp, Newtown, Conn, 65; clin. psychologist, Psychiat. Assocs, Wis, 67- Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.A. & U.S.A.A.F, 43-46. Psychol. Assn; fel. Soc. Proj. Tech. & Personality Assessment. Psychopathology and treatment of children and adolescents; personality structure and treatment of alcoholics. Address: 6517 Gettysburg Dr, Madison, Wis. 53705.

MATHIS, DR. ANDREW G(LADDEN), b. Poona, India, Aug. 11, 24; nat; m. 46; c. 3. PSYCHOLOGY. B.A. Manchester Col, 47; Ph.D.(ed. psychol), Chicago, 55. Dir. Community Center, Castaner, P.R, 46-48; instr. psychol, Herzl Jr. Col, 50-54; asst. dir. personnel & guid, Crane Jr. Col, 54-56; intern clin. psychol, Vet. Admin. Hosp, Downey, Ill, 56-58, res. psychologist, Vet. Admin. Res. Hosp, Chicago, 58; admin. dir, Indian River Ment. Health Clin, Ft. Pierce, Fla, 59-62; CLIN. PSYCHOLOGIST, 64- Res. asst, Nat. Training Lab. Group Develop, D.C. 52-54; clin. psychologist, Hibbs & Assocs, 52-64; res. assoc, Chicago, 55. Consult, St. Petersburg Adult Ment. Health Clin, 62-67. Psychol. Assn. Clinical psychology; group dynamics; speech pathology. Address: 402 Bay Side Bldg, Tampa, Fla. 33606.

MATHIS, PROF. B(YRON) CLAUDE, b. Longview, Tex, Mar. 10, 27; m. 58; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. Texas Christian, 49, M.A. 50; Ph.D.(psychol, ed. psychol), Texas, 56. Teacher, pub. schs, Tex, 50-52; lectr. ed. psychol, Texas, 54-55, asst. prof, 55-56; ed, NORTHWESTERN, 56-60, assoc. prof, 60-65, PROF. ED. & PSYCHOL. & ASSOC. DEAN GRAD. SCH, 65- U.S.N. 45-47. AAAS; fel. Psychol. Assn; Ed. Res. Assn. Learning and motivation in the classroom; technology of instruction; task and method variables in human learning. Publ: Relationship between salary policy and teacher morale, J. Ed. Psychol; Is theory necessary for educational research, Psychol. in Schs, 65; Motivation and emotion in learning, Am. J. Phys. Med, 67. Address: School of Education, Northwestern University, Evanston, Ill. 60201.

MATHIS, DR. F(ERDINAND) JOHN, b. Rockford, Ill, Dec. 9, 41; m. 62; c. 1. ECONOMICS. B.A. California, 63, M.A. 64; Ph.D.(econ), Iowa, 68. Asst. prof. ECON, Illinois, Chicago, 66-68; ASSOC. PROF, STATE UNIV. N.Y. COL. BROOKPORT, 68- Pan Am. Union, Orgn. Am. States fel, 67. Econ. Assn; Soc. Int. Develop. Economic development; international economics; economic integration; international business; Latin American economics; macroeconomic theory. Publ: Co-auth, International economics and business, Houghton, 68 & Latin American common market, Ga. State Col, 68; auth, The lesser developed countries within a Latin American common market, Pan Am. Union, 68. Address: Dept. of Economics, State University of New York College at Brockport, Brockport, N.Y. 14420.

MATHIS, DR. GILBERT L, b. Trigg Co, Ky, Aug. 22, 38. ECONOMICS. B.S. Kentucky, 60, M.S. 64; Ph.D.(agr), Ohio State, 66. Teacher, high sch, Ky, 60-64; coordinator agr. prog, Kentucky, 65-66; ASSOC. PROF. ECON, MURRAY STATE, 66- Agricultural economics. Publ: Managerial perception and success in farming, Ohio State Univ, 66. Address: Dept. of Economics, Box 1264, Murray State University, Murray, Ky. 42072.

MATHIS, DR. LUSTER DOYLE, b. Gainesville, Ga, May 5, 36; m. 58; c. 2. POLITICAL SCIENCE. A.B. Berry Col, 58; M.A. Georgia, 59, Ph.D.(polit. sci), 66. Assoc. prof. POLIT. SCI, Calif. Baptist Col, 61-62; Belmont Col, 62-64; ASSOC. PROF. & HEAD DEPT, W.G.A. COL, 64- Polit. Sci. Assn. Chisholm versus Georgia; eleventh amendment; legislative reapportionment in Georgia; politics of school consolidation. Publ: Chisholm V. Georgia: Background and settlement, J. Am. Hist, 6/67; The eleventh amendment: adoption and interpretation, Ga. Law Rev, (in press); Prelude to amendment; the states before the court, Am. J. Legal Hist, (in press). Address: Dept. of Political Science, West Georgia College, Carrollton, Ga. 30117.

MATHIS, DR. PAUL C, b. Dubuque, Iowa, May 26, 17; m. 41; c. 4. ECONOMICS. B.A. Dubuque, 38; M.A. Iowa, 40, Ph.D.(econ), 46. Instr. soc. sci, McCook Jr. Col, 41-42; asst. prof. ECON, Carleton Col, 46-47; prof, South Dakota, 47-62; HEAD DEPT, CENTRAL MICHIGAN, 62- Found. Econ. Ed. fel, 52, 57; Gen. Elec. Found. fel, 60. Consult, Northwest. Bell Tel. Co, 59. U.S.A. 42-46. Econ. Assn; Acad. Polit. & Soc. Sci. Economic theory; labor; history of economic thought; monetary policy. Publ: Development and growth of the REA electrification program in South Dakota, Univ. South Dakota, 62; Business cycle in South Dakota; Manpower resources of South Dakota. Address: Dept. of Economics, Central Michigan University, Mt. Pleasant, Mich. 48858.

MATIN, PROF. LEONARD, b. Brooklyn, N.Y, July 18, 28; m. 58; c. 2. PSYCHOLOGY. B.A. Brooklyn Col, 50; M.A. North Carolina, 52; Ph.D.(psychol), Columbia, 59. Lectr. psychol, Columbia, 58-59; Nat. Sci. Found. Res. fel. biophysics, Hopkins, 59-60, asst. prof. psychol, 60-64; assoc. prof. indust. eng. oper. res, N.Y. Univ, 64-65; vis. assoc. prof. PSYCHOL, COLUMBIA, 65-66, ASSOC. PROF, 68- Res. grants, Nat. Sci. Found, 62-68, Nat. Insts. Health, 67-72. Mem. Nat. Res. Coun. Vision Cmt, 65- U.S.A. 52-54, Res, 54-60. AAAS; Psychol. Assn; Psychonomic Soc. Sensation and perception; physiological psychology, especially vision; eye movements; spatial vision; psychophysics; electrophysiology; visual thresholds; flicker; binocular

vision. Address: Dept. of Psychology, Columbia University, New York, N.Y. 10027.

MATLACK, DR. WILLIAM F, b. Philadelphia, Pa, Aug. 23, 28; m. 58; c. 2. MANAGEMENT SCIENCE, ECONOMICS. A.B. Haverford Col, 51; M.A., Pennsylvania, 62, Ph.D.(econ), 66. Partner, John Wilde & Bro, Inc, 53-59, secy, 59-61; instr. econ, Lafayette Col, 63-64; statist, Pennsylvania, 64-66; ASST. PROF. econ, Claremont Men's Col, 66-67; MGT. SCI. GRAD. SCH. PUB. & INT. AFFAIRS, PITTSBURGH, 67- U.S.A.F, 51-53, 2nd Lt. Econ. Asn; Statist. Asn. Quantitative managerial techniques, especially decision theory; critical path analysis; management information systems. Publ: Maximizing insurance buyers' utility, Mgt. Sci. Series B, 2/68. Address: Graduate School of Public & International Affairs, University of Pittsburgh, Pittsburgh, Pa. 15213.

MATLEY, PROF. IAN MURRAY, b. Edinburgh, Scotland, Oct. 23, 21; m. 54. GEOGRAPHY. M.A., Edinburgh, 48; Ph.D.(geog), Michigan, 61. Res. officer econ, Brit. Civil Serv, 49-58; assoc. res. inst, Michigan, 58-61; asst. prof, GEOG, Columbia, 61-63; assoc. prof, MICH. STATE, 63-67, PROF, 67- R.A.F, 41-46. Asn. Am. Geog. Asn. Geog. Soc. Human geography; geography of Europe and the Soviet Union. Publ: Co-auth, An Atlas of Russian and East European history, Praeger, 67; The Russians in Central Asia, Columbia, 67; auth, Transhumance in Bosnia and Herzegovina, Geog. Rev, 68. Address: Dept. of Geography, Michigan State University, East Lansing, Mich. 48824.

MATLOFF, DR. MAURICE, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MATSCHECK, WALTER, Econ, see 10th ed, Soc. & Behav. Vols.

MATSON, DR. FLOYD W, b. Honolulu, Hawaii, Aug. 31, 21; m. 55; c. 2. POLITICAL SCIENCE, COMMUNICATIONS. B.A. California, Berkeley, 50, M.A., 53, Ph.D.(polit. sci), 60. Instr. speech, California, Berkeley, 51-52, lectr, 52-65; vis. assoc. prof. polit. sci, HAWAII, 65-66, ASSOC. PROF. AM. STUDIES, 66- Res. adminstr, Univ. California Far East Prog, 55-56. Consult, Nat. Fedn. Blind, 56-64; Am. Brotherhood for Blind, 56-64; ed. policy res. center, Stanford Res. Inst, 68- Woodrow Wilson award, Am. Polit. Sci. Asn, 55. U.S.A.A.F, 43-46. Acad. Polit. & Soc. Sci. Philosophy of social science; public welfare and public policy; political theory; American political and social history; interpersonal and mass communication; social psychology; educational policy research. Publ: Co-auth, Prejudice, war, and the constitution, 54 & Hope deferred: public welfare and the blind, 59, Univ. California; auth, The broken image: man, science and society, Braziller, 64. Address: Dept. of American Studies, University of Hawaii, Honolulu, Hawaii 96822.

MATSON, PROF. FREDERICK R(OGNALD), b. Chicago, Ill, July 29, 12; m. 44. ANTHROPOLOGY, ARCHAEOLOGY. B.S. Illinois, 33; Carnegie Inst. Tech, 33-34; fel, Michigan, 34-36, M.A., 36, Rackham fel, 38-39, Ph.D. (ceramic archaeol), 39. Field archaeologist, Univ. Michigan exped. to Iraq, 36-37, asst. mus. anthropol, 37-38, res. assoc, 39-40, asst. curator ceramics, 40-42; jr. ceramic engr, Nat. Bur. Standards, 42-43, asst. ceramic engr, 43-44; head glass res. sect, res. labs, Armstrong Corp Co, 44-48; prof. ceramics, PA. STATE, 48-53, ARCHAEOLOGY, 53-67, RES. PROF, 67-, admin. dir. soc. sci. res. center, 57-63, asst. dean res, col. lib. arts, 57-66, assoc. dean res, 66-67. Distinguished lectr, Am. Ceramic Soc, 62-63; lectr, Archaeol. Inst. Am, 63-, mem. exec. cmt, 68-; guest lectr, Metrop. Mus. Art, 66; inv. seminar assoc, Columbia, 66- Trustee, Coun. Old World Archaeol. Mem. Int. Cmn. Glass, 60-65; prog. chmn. hist. sessions, Int. Cong. Glass, 62. Field assoc, Iraq-Jarmo Exped, 54-55; field researcher, Iran & Afghanistan, 60; mem, Univ. Minn. Messenian Exped, Greece, 63 & 64; village pottery prod. studies in Iran, Afghanistan, Lebanon, Egypt, Greece & Spain, 64-; mem. Univs. Pa. & Ind. Exped, Porto Cheli, Greece, 67 & 68; Smithsonian Pyrotechnologic Exped. to Iran, Afghanistan & Turkey, 68. Fel. AAAS; fel. Anthropol. Asn; Soc. Am. Archaeol; Archaeol. Inst. Am; fel. Ceramic Soc; Nat. Inst. Ceramic Eng. Technological study of ancient ceramics; Near Eastern archaeology; radioactive-carbon dating. Publ: Western Asia: bibliography and survey, Coun. Old World Archaeol, 57 & 60; co-ed, Advances in glass technology, Part 2, Plenum Press, 63; ed, Ceramics and man, Aldine, 65. Address: Dept. of Anthropology, Pennsylvania State University, University Park, Pa. 16802.

MATSON, PROF. MARGARET B(ENSON), b. Madison, Mo, Mar. 1, 13; m. 44. SOCIOLOGY. A.B. Missouri, 36; Ph.D.(sociol), Pa. State, 53. Instr. inst. consumer ed, Stephens Col, 37-41; admin. asst, Off. Price Admin, War Food Admin. & UNRRA, 41-44; from asst. prof. to assoc. prof. SOCIOL, PA. STATE, 52-64, PROF, 64- Vis. prof, Beirut Col. Women, 55, 64. Mem, undergrad. adv. cmt, Coun. Soc. Work Ed, 55-, curriculum cmt, 67- Sociol. Asn; Soc. Study Social Probs. Social welfare; pre-social work training. Publ: Study guide in sociology, McGraw, 68; Undergraduate field experience in social welfare, Coun. Soc. Work Ed, 67. Address: Dept. of Sociology, Pennsylvania State University, University Park, Pa. 16802.

MATSUMOTO, DR. Y(OSHIHARU) SCOTT, b. Fresno, Calif, Mar. 3, 21; m. 52; c. 3. SOCIOLOGY, CULTURAL ANTHROPOLOGY. B.S. American Univ, 54, Whitney fel. & M.A., 55, Ph.D.(sociol), 57; Soc. Sci. Res. Coun. fel, Harvard, 56-57. Soc. sci. analyst, for. morale anal. div, Off. War Info, U.S. War Dept, 44-45; res. analyst, U.S. Strategic Bombing Surv, U.S. Army Air Force, 45-46, asst. researcher, pub. opinion & social. res. unit, civil info. & ed. sect, Gen. Hqs, Tokyo, 46-48; chief, pub. rels, dept. patient rels, Atomic Bomb Casualty Cmn, Nat. Acad. Sci-Nat. Res. Coun, 49-53; asst. demog, off. pop. res, PRINCETON, 54-56; chief med. sociol, Atomic Bomb Casualty Cmn, Nat. Acad. Sci-Nat. Res. Coun, 57-67; ASSOC. PROF. PUB. HEALTH, HAWAII, 67- Fel. Sociol. Asn; Anthropol. Asn; Japanese Sociol. Soc. Japanese culture, society, and personality structure; socio-cultural factors and illness; medical sociology. Publ: Notes on the Deity Festival of Yawatano, Japan, Southwest. J. Anthropol; Patient rapport in Hiroshima, Am. J. Nursing; Contemporary Japan: the individual and the group, Trans. Am. Philos. Soc.

Address: School of Public Health, University of Hawaii, Honolulu, Hawaii 96822.

MATTESON, DR. ROBERT J(OHNSON) M(ONTGOMERY), b. Bennington, Vt, June 25, 16; m. 40, 63; c. 4. PUBLIC ADMINISTRATION. A.B. Middlebury Col, 38; American Univ, 38-39; admin. fel, Harvard, 39-40, Littaur fel, 40-41, M.P.A., 41, Ph.D., 53; Columbia, 51-52. Admin. asst, Rural Elec. Admin, 38-39; admin. officer, field ops, U.S. Dept. Agr, 41-43; dir. training, Inst. Pub. Admin, 46-55; staff dir, Govt. Res. Asn, 52-53; spec. asst. to city adminstr, New York, 54-55; exec. dir, Am. Soc. Pub. Admin, 56-61; PRIN. CONSULT, MATTESON ASSOCS, 62- Res. dir, Temporary Cmn. City Finances, New York, 64-66. Mem. President's Cmt. Employ. Phys. Handicapped, 59-61; adv. cmt. state local govt. statist, U.S. Bur. Census, 60-62. U.S.N.R., 44-46, Lt.(jg). Polit. Sci. Asn; Soc. Pub. Admin; Govt. Res. Asn. Political science; economics; field operations; metropolitan government; association management; executive development; citizen relations; committee organization; resources administration; state constitutions; intergovernmental relations; public finance; legislative organization; personnel administration. Publ: Intergovernmental relations in welfare administration; State education in public administration; Better financing for New York City. Address: Matteson Associates, 325 South St, Bennington, Vt. 05201.

MATTESON, DR. ROSS W, b. Arcadia, Mich, June 23, 08; m. 31; c. 1. PSYCHOLOGY, COUNSELING. A.B. Cent. Mich. Col, 30; M.A., Michigan, 38. Ph.D.(ed), 48. From assoc. prof. to PROF. & ASST. DR. COUNSELING CENTER, MICH. STATE, 46- U.S.N., 43-46. Psychol. Asn; Personnel & Guid. Asn. Evaluation of counseling; measurement of interest; self concept. Publ: Self-estimates of college freshmen, Personnel & Guid. J; Experience-interest changes in students, J. Counseling Psychol; Individualized admissions through testing and counseling, Col. & Univ. Address: 971 Daisy Lane, East Lansing, Mich. 48823.

MATTESSICH, PROF. RICHARD V(ICTOR), b. Trieste, Italy, Aug. 9, 22; m. 52. ACCOUNTING, ECONOMICS. Dipl. Hochschule für Welthandel, Vienna, Austria, 44, Dr. rer. pol, 45. Acct, Waagner & Biro Co, 44-45; res. assoc, Austrian Inst. Econ. Res, 45-47; instr, Rosenberg Col, Switz, 47-52; McGill, 52-53; head dept. commerce, Mt. Allison, 53-59; assoc. prof. bus. admin, California, Berkeley, 58-67; PROF. BUS. ECON, BRITISH COLUMBIA, 67- Ford Found. fel, 61-62. Acct. consult, Switz. & Can, 47-58. Econ. Asn; Am. Acct. Asn; Inst. Mgt. Sci; Schmalenbach Assn. Promotion Res. & Tech. Develop. Indust. Econ. Controllership and management science; measurement and theory of national income. Publ: Simulation of the firm through a budget computer program, 64 & Accounting and analytical methods: measurement and prediction of income and wealth, 64, Irwin; co-ed, Der Computer im Dienst der Unternehmung, Bertelsmann, 68. Address: 5849 Fremlin St, Vancouver 13, B.C., Can.

MATTHEWS, PROF. A(HMED) THOMAS J(AMES), b. Seattle, Wash, Jan. 19, 21; m. 54; c. 4. SOCIOLOGY, ANTHROPOLOGY. B.A. State Col. Wash, 48, M.A., 50; Ph.D., Cornell, 52. Asst. soc. psychol, Cornell, 48-50, sociol, 50-52; soc. sci. specialist, Ankara Univ, Turkey, 53-54; asst. prof. sociol, American Univ. Beirut, 54-57; res. assoc. anthrop. Human Rel. Area Files, Inc, American Univ, 57-58; asst. prof. sociol, Howard, 56-59; assoc. prof. Westminster Col.(Mo), 59-66; chmn. dept, 61-66; PROF. SOCIOL. & ANTHROP, ELMIRA COL, 66- Vis. scholar, Princeton, 52-53; Ford Found. Overseas Training & Res. fel, 52-54; res. assoc, Fulton State Ment. Hosp, 60- Consult. spec. ops. res. off, American Univ, 59-60. U.S.A.A.F, 44-45, Sgt. Fel. Sociol. Asn; fel. Anthropol. Asn. Social science methodology; southwestern Asia ethnography; Turkish area study; comparative social institutions; industrial sociology; education. Publ: Emergent Turkish administrators; contrib. Saudi Arabia: its people, its society, its culture; Job satisfaction and leisure time activity in a restrictive environment, Int. Sociology and social research. Address: Dept. of Sociology and Anthropology, Elmira College, Elmira, N.Y. 14901.

MATTHEWS, PROF. C(HARLES) A(RNOLD), b. Va, May 6, 16; m. 50, 62; c. 2. FINANCE, ECONOMICS. B.S. Washington & Lee, 37; M.A., Virginia, 39; Ph.D., 41. Instr. finance, West Virginia, 39-40; econ. analyst, U.S. Treas. Dept, 45-48; asst. prof. FINANCE, COL. BUS. ADMIN, FLORIDA, 48-50, assoc. prof, 50-55, PROF, 55-, HEAD DEPT. FINANCE & INS, 59-, interim head dept, 57-59. U.S.N.R., 41-45, 51-53, Capt. Econ. Asn; Finance Asn. Money and banking; financial institutions; business finance. Publ: Note on monetary controls and capital values, J. Finance; Inflation, a continuing problem & Compounded rate of interest, Econ. Leaflets. Address: College of Business Administration, University of Florida, Gainesville, Fla. 32601.

MATTHEWS, CHARLES D(ONALD), Econ, see 10th ed, Soc. & Behav. Vols.

MATTHEWS, DR. CHARLES G(EORGE), b. Minot, N.Dak, Mar. 13, 30; m. 55; c. 1. PSYCHOLOGY. B.A. St. John's (Minn), 51; M.A., South Dakota, 55; Ph.D.(psychol), Purdue, 58. State psychologist, Redfield State Sch, S.Dak, 55; psychologist, Achievement Center for Children, Lafayette, Ind, 57-58; res. psychologist, Ft. Wayne State Sch, 58-62; asst. prof. NEUROPSYCHOL, SCH. MED, WISCONSIN, MADISON, 62-66, ASSOC. PROF, 66- Lectr, Ft. Wayne exten. div, Purdue, 59. Consult, Community Coordinating Center Rehab, 59-62; Ft. Wayne Children's Home, 59-62; Cath. Soc. Serv, 60-62; Tomah Wis. Vet. Admin. Hosp, 65-; Wood Wis. Vet. Admin. Hosp, 65-; Ft. Wayne State Hosp. & Training Center, Ind, 65-; perinatal res. br, Nat. Insts. Health, 67- U.S.A., 52-53. Psychol. Asn; Asn. Ment. Deficiency; Acad. Neurol. Neuropsychological studies in mental retardation; comparative adaptive abilities of neurologically impaired subjects and of mentally retarded persons; behavioral consequences of cerebral lesions in humans; neuropsychology correlates of epilepsy. Publ: Comparisons of abstraction ability in retardates and in patients with cerebral lesions, Perceptual Motor Skills; Psychomotor abilities of retardates and patients with cerebral lesions, J. Ment. Deficiency; Psychological test performances in neurologic and pseudo-neurologic patients, Cortex, 66. Address: 2768 Marshall Pkwy, Madison, Wis. 53713.

MATTHEWS, PROF. DONALD R(OWE), b. Cincinnati, Ohio, Sept. 14, 25; m. 47; c. 2. POLITICAL SCIENCE. B.A. Princeton, 48, A.M. 50, Ph.D. (polit), 53. Asst. instr. polit, Princeton, 49-50; instr. govt. Smith Col, 51-53, asst. prof, 53-57; Falk lect. polit, NORTH CAROLINA, 57-58, assoc. prof. POLIT. SCI, 58-63, PROF, 63- Soc. Sci. Res. Coun. fel, 55-56, sr. res. award, 62; fel. Center Adv. Study Behav. Sci, 64-65. Consult, U.S. Cmn. Civil Rights, 61; Nat. Broadcasting Co. News, 66; Ford Found, 68. Acting book rev. ed. Am. Polit. Sci. Rev, 66. U.S.N.R, 43-45. Polit. Sci. Asn. American politics; political and legislative behavior. Publ: Social background of political decision-makers; U.S. senators and their world; co-auth, Negroes and the new southern politics, Harcourt, 66. Address: Dept. of Political Science, University of North Carolina, Chapel Hill, N.C. 27514.

MATTHEWS, HANNAH P(OLSTER), b. Columbus, Ohio, Aug. 29, 17; m. 42; c. 2. SPEECH PATHOLOGY. B.A. Ohio State, 39, M.A. 42; Pittsburgh, 49-52, 56. Teacher, pub. schs, Ohio, 41-42; Tenn, 43-44; speech pathologist, Indust. Home Crippled Children, 48-53; res. assoc. speech path, Pittsburgh, 60-62. Psychol. Asn; Speech & Hearing Asn. Effectiveness of teaching speech improvement to public school children by television; design of teaching machine and programed instruction. Publ: Creative dramatics in the education of the crippled child, Nat. Soc. Crippled Children Bull; Creative dramatics for the crippled child, Crippled Child; Voice and speech examinations in American educational institutions, Quart. J. Speech. Address: 825 Old Mill Rd, Pittsburgh, Pa. 15238.

MATTHEWS, DR. HIND QADRY, b. Baghdad, Iraq, Sept. 30, 23; m. 54; c. 2. PSYCHOLOGY, EDUCATION. B.A. American Univ. Beirut, 46; Iraq Govt. bursary. & M.A. Stanford, 50, Ed.D.(ed. guid), 57. Instr. Eng. Queen Ailya Col, Baghdad, Iraq, 47-48; asst. cultural attache, Iraq Embassy, 55-58; instr. French, Missouri, Columbia, 60-61; William Woods Col, 61-63, asst. prof. psychol. & lang, 63-66; ASSOC. PROF. PSYCHOL, MANSFIELD STATE COL, 67- Instr. Arabic, Westminster Col.(Mo), 64-66. Modern Lang. Asn. Am. Problems of women teachers in Iraq; child development; psychology of language teaching. Publ: Education of women in Iraq, Embassy of Iraq, Wash, D.C., 58. Address: Dept. of Psychology, Mansfield State College, Mansfield, Pa. 16933.

MATTHEWS, PROF. JACK, b. Winnipeg, Man, June 17, 17; nat; m. 42. PSYCHOLOGY. A.B. Heidelberg Col, 38; M.A. Ohio State, 40, Ph.D.(psychol, speech), 46; Vanderbilt, 42-44. Asst. dir. speech & hearing clin, Purdue, 46-48; asst. prof. psychol. & dir. speech clin, PITTSBURGH, 51-55, PROF. SPEECH & HEAD DEPT, 55, ACTING DEAN HUMANITIES DIV, 67- Consult, Vet. Admin; Dept. Health, Ed. & Welfare. Mem. behav. sci. cmt, United Cerebral Palsy Assn, 67- Pres. Am. Bd. Exam. Speech Path. & Audiol, 66-67. U.S.A.A.F, 42-45. Psychol. Asn; Speech & Hearing Asn.(v. pres, 55-59, exec. v. pres, 59-63); Speech Asn; Asn. Ment. Deficiency. Speech pathology; psychology of communication; social psychology. Publ: Effect of loaded language on audience comprehension of speech & Index of agreement, a possible criterion for measuring the outcome of group discussion, Speech Monogr; Hearing of mental defectives, its measurement and characteristics, Am. J. Ment. Deficiency. Address: Dept. of Speech, University of Pittsburgh, Pittsburgh, Pa. 15213.

MATTHEWS, PROF. JAMES S(WINTON), b. Union, Miss, Jan. 22, 11; m. 41; c. 1. GEOGRAPHY. B.S. Kent State, 36, M.A. 41; Salisbury fel, Chicago, 48-49, Ph.D. 49. Teacher, high sch, Ohio, 37-43; assoc. prof. GEOG, MEMPHIS STATE, 49-65, PROF, 65- U.S.N.R, 43-46, Lt. Asn. Am. Geog. Nat. Coun. Geog. Ed. Historical geography of the United States; industrial, economic and political geography. Publ: Expressions of urbanism in the sequent occupation of northeastern Ohio; Historical geography of Memphis, Tennessee, W. Tenn. Hist. Quart. Address: 1136 Audubon Dr, Memphis, Tenn. 38117.

MATTHEWS, DR. JOSEPH L(UTHER), b. Sabinal, Tex, Feb. 21, 08; m. 41; c. 2. BEHAVIORAL SCIENCE. B.S. Agr. & Mech. Col, Tex, 40, M.S. 47; Ph.D. (ed. sociol), Columbia, 37. Asst. state & regional serv, Agr. & Mech. Col, Tex, 48-50, chief ed. res. sect, 51-53, prog. res. br, 54-55, asst. dir, 56-60; dir. ed. res. & staff develop, div. ed. res. & training, FED. EXTEN. SERV, U.S. DEPT. AGR, 60-66, ASST. ADMINSTR. INT. EXTEN. PROGS, 66- Fel. Center Adv. Study Behav. Sci, Stanford, 61-62. Consult, African Conf. Extra-Mural Adult Ed, Ghana, 62; Rural Exten. Seminar, Int. Coop. Admin. Colombia, 61. Mem. U.S. Del. UNESCO World Conf. Adult Ed, Can, 60; Exec. cmt. Coun. Nat. Orgns. Adult Ed, Inc, 60-61. U.S.A.A.F, 42-44. Adult Ed. Asn; Ed. Res. Asn. Programs of informal education for individual and group behavioral changes relating to agricultural and economic development overseas. Publ: Co-auth, Rural social systems and adult education; contrib, Evaluation in extension & Handbook of adult education in the United States. Address: Federal Extension Service, U.S. Dept. of Agriculture, Washington, D.C. 20250.

MATTHEWS, DR. M(ARTIN) TAYLOR, b. Mohawk, Tenn, Sept. 6, 02; m. 34. SOCIOLOGY. B.S. E.Tenn. State Teachers Col, 27; Ed.M. Harvard, 28; c. 1. rural sociologist, Columbia, 37. Asst. state & regional serv, rural res. unit, Fed. Emergency Relief Admin-Works Progress Admin, 34-36; assoc. rural sociologist, N.C. State Col, 36-39; asst. prof. sociol, Catholic Univ, 42-44; vis. lectr, West Virginia, 47-48; field res. dir. ment. hyg. studies, State Dept. Ment. Hyg, Ohio, 48-49; assoc. prof. sociol, overseas prog, Maryland, 49-53; community analyst, Int. Coop. Admin-U.S. Opers. Mission, U.S. Dept. State, Baghdad, Iraq, 54-56, training officer, Int. Coop. Admin, Liberia & Thailand, 57-61; SOC. INS. RES. ANALYST, DIV. DISABILITY STUDIES, SOC. SECURITY ADMIN, 62- Soc. sci. analyst, U.S. Dept. Agr, 39-42, 44-47. Sociol. Asn; Rural Sociol. Soc. Applied cultural anthropology; social aspects of mental health; attitudes studies. Publ: Experience-world of mountain people; collab, The disabled worker under OASDI, Soc. Security Admin, U.S. Dept. Health, Ed. & Welfare, 64. Address: Social Security Administration, Woodlawn Bldg, Baltimore, Md. 21235.

MATTHEWS, PROF. MILTON P(AUL), b. Grantsville, Utah, Nov. 11, 19; m. 43; c. 7. MARKETING. B.A. Utah, 48; M.S. N.Y. Univ, 49; Ph.D.(bus), 55. Instr. MKT, North Dakota, 49-50; PROF, UTAH, 50- Instr. N.Y. Univ, 53; vis. prof, Rangoon, Burma, 57-58; summer, Wisconsin, 60. U.S.A. 44-

46. Mkt. Asn. Retailing. Publ: Co-auth, Store organization and operation. Address: Dept. of Marketing, University of Utah, Salt Lake City, Utah 84112.

MATTHEWS, PROF. ROMINE ELLWOOD, b. Macomb, Ill, Aug. 30, 15; m. 48; c. 2. PSYCHOLOGY. B.S. Minnesota, 40, M.A. 51, Ph.D. 60. Training specialist, Vet. Admin, Minn. & N.Dak, 46-48; dir. counseling, pub. schs, Minn, 48-50, prin, 51-52; asst. col. ed, MINNESOTA, MINNEAPOLIS, 50-51, voc. counsr, vet. counseling center, 52-56, asst. to recorder, 56-60, ASST. PROF. PSYCHOL, UNIV. & DIR. VOC. REHAB. SERV, UNIV. HOSPS, 60- U.S.A. 42-46, Capt. Psychol. Asn; Personnel & Guid. Asn. Educational and counseling psychology. Address: 3316 Arthur St. N.E., Minneapolis, Minn. 55418.

MATTHEWS, THOMAS L(EROY), JR, b. Philadelphia, Pa. Nov. 5, 18; m. 41; c. 1. PSYCHOLOGY. B.A. Virginia, 41, M.A. 50. Head psychometrist, Vet. Admin, Univ. Virginia, 48-50; staff asst. to v. pres, REYNOLDS MET-ALS CO, RICHMOND, 50-51, personnel mgr, Reynolds Alloys Co. Div. 51-54, div. personnel mgr, 54-57, mgr. personnel res, 57-63, mgr. personnel res. & div. personnel mgr. can & cable div, 63-67, DIR. MANPOWER PLANNING, 67- Res. assoc, U.S. Dept. Air Force, 48-50; lectr, Minnesota, Duluth, 59-60; mem. eve. sch. faculty, Richmond Prfl. Inst, 60-; vis. faculty, Armed Forces Logistic Mgt. Center, U.S. Army, 64- Mem. adv. coun. sci. manpower proj, Columbia, 62- U.S.A. 41-46, Res. 46-, Capt. AAAS: Psychol. Asn; Soc. Personnel Admin; Mgt. Asn. Audiovisual communication; executive assessment and development; automation of personnel records; organizational planning and staffing; motivation. Publ: Influence of task on auditory visual message presentation; Management philosophy and productivity, Personnel Adminstr. Address: Beechwood, Box 216, Route 1, Doswell, Va. 23047.

MATTHEWS, PROF. WILLIAM P(ARKER), b. Lynchburg, Va, June 9, 15; m. 50; c. 1. PSYCHOLOGY. B.A. Lynchburg Col, 49; M.A. Columbia, 51, Ed.D.(guid, group dynamics), 53. Assoc. prof. psychol, Lynchburg Col, 52-57; asst. prof. ed, North Carolina, 57-61; prof. psychol, HIGH POINT COL, 62-64, pres, Vardell Hall, 64-65, PROF. PSYCHOL, 65-, dir, leadership develop. prog, 59-60. Coordinator & dir, off. voc. rehab. regional inst. for suprvy. personnel, Dept. Health, Ed. & Welfare, 59-60; Nat. Sci. Found. summer grant, Beloit Col, 64; dir. psychol. serv, Patrick Comer Assocs, 67- Trainer-consult, Exec. Leadership Training Course, 64; Univ. South Carolina, 66 & 67. U.S.A. 42-46, Res. 46-, Capt. AAAS: Psychol. Asn; Personnel & Guid. Asn; Ed. Res. Asn. Personnel evaluation and testing; training and leadership development in education; government and industry. Address: Dept. of Psychology, High Point College, High Point, N.C. 27262.

MATTICE, PROF. ROYAL, b. Cincinnati, Ohio, Jan. 4, 12; m. 34; c. 2. ECONOMICS. B.S. Purdue, 33; A.M. Mississippi, 35; North Carolina, 47-48. Instr. econ, FLA. STATE, 37-41, asst. prof, 41-47, from assoc. prof. econ. to ASSOC. PROF. MGT, 48- Dir. Fla. Personnel Surv. 55. Consult, State Merit Syst. Coun, Fla, 46-; State Indust. Cmn, 48- U.S.A. 43-45. Econ. Asn; Arbit. Asn; Indust. Reels. Res. Asn. Labor economics; history of the labor movement in Florida. Publ: Florida personnel survey. Address: Dept. of Management, Florida State University, Tallahassee, Fla. 32306.

MATTICK, HANS W(ALTER), b. Dresden, Germany, Feb. 4, 20; nat; m. 46. SOCIOLOGY, CRIMINOLOGY. B.A. Chicago, 48, M.A. 56. Res. sociologist, Ill. Selective Serv. Felon Study, Parole & Pardon Bd, 50-53, sociologist-actuary, state penitentiary, 53-55; asst. warden, Cook County Jail, 55-58. Suprv, unemployment, compensation div, off. of treas, 59-60; field dir. of res, Chicago youth develop. proj, Inst. Soc. Res. Univ. Michigan-Chicago Boys Clubs, 60-61, dir, 61-66; ASSOC. DIR. CENTER STUDIES CRIMINAL JUSTICE, LAW SCH, UNIV. CHICAGO, 66- Instr. Indiana & Chicago, 53-58. Past pres, Ill. Acad. Criminol, 59-60; secy, Ill. Cmt. to Abolish Capital Punishment, 58-; spec. adv, Ill. Dir. Selective Serv. U.S.A. 41-45, Sgt. Sociol. Asn; Am. Soc. Criminol; Int. Soc. Criminol; Soc. Study Social Probs. Juvenile delinquency; adult crime; deviant behavior; social disorganization and community organization; urban ecology; social stratification; law enforcement; penology and rehabilitation of offenders; military offenders. Publ: Co-auth, The Chicago youth development project, Univ. Michigan, 64; auth, The unexamined death—capital punishment, John Howard Assn, 66 & Narcotics addiction and public policy, Ill. Med. J, 65. Address: 5619 S. Dorchester Ave, Chicago, Ill. 60637.

MATTILA, PROF. JOHN M(ATT), b. Jersey City, N.J. Feb. 9, 19; m. 42; c. 3. ECONOMIC STATISTICS. B.B.A. Minnesota, 41; M.B.A. Wisconsin, 47. Ph.D. 53; fel. Indiana, 47-48. From asst. prof. to PROF. ECON, WAYNE STATE, 48- Econometrician, regional econ. div, Off. Bus. Econ. Dept. Commerce, D.C. 63-64. U.S.A.A.F, 42-46, Capt. Econ. Asn; Statist. Asn; Economet. Soc. Statistical research in construction and housing; urban and regional economics; statistical methodology. Publ: Co-auth, Econometric model of postwar state industrial development, Wayne State, 59; auth, A study of long-run regional employment growth, Mich. Dept. Commerce, 66; co-auth, Toward an econometric model of urban economic development, In: Issues in urban economics, Johns Hopkins, 68. Address: Dept. of Economics, Wayne State University, Detroit, Mich. 48202.

MATTINGLY, DR. PAUL FREDRICK, b. Louisville, Ky, Aug. 20, 30; m. 56. GEOGRAPHY. B.S. West. Ill, 54; M.A. Missouri, 56; Ph.D.(geog), Pa. State, 61. Ed. Aeronaut. Chart & Info. Bur, 56-57; asst. prof. GEOG, Towson State Col, 60-62; ASSOC. PROF, ILLINOIS STATE, 62- Nat. Sci. fel, 62. U.S.A.F, 48. Asn. Am. Geog. Nat. Coun. Geog. Ed. Urban and economic geography; recreation. Publ: Population trends in the hamlets and villages of Illinois: 1940-1960, Prfl. Geogr, 63; co-auth, Delimiting the CBD through time, Econ. Geog, 64 & Das Bevolkerungsbild Afrikas um 1960, Geographische Rundschau, 68. Address: Dept. of Geography, Illinois State University, Normal, Ill. 61761.

MATTSSON, DR. PATRIK OWE, b. Malmö, Sweden, Sept. 28, 25; nat; m. 51; c. 3. PSYCHOLOGY. B.A. Brooklyn Col, 55; univ. fel, Columbia, 56-57, U.S. Pub. Health Serv. fel, 58-57, 58-59, Ph.D. 59. Psychologist, Inst. Crippled & Disabled, N.Y. 57-58; dir. psychol, Ancora State Hosp, Hammon, N.J. 59-64; chief psychologist, Sheboygan County Guid. Center, 64-67; PROJ.

DIR, COOP. ED. SERV. AGENCY, PLYMOUTH, 67- Instr. Rutgers, 60-; lectr, Wisconsin, Sheboygan Center, 64- Consult, Sheboygan County Rehab. Center, 66-; Sheboygan County Hosp, 67- Eng.C, Swedish Army, 2nd Lt. Psychotherapy; non-verbal communication; electronic engineering. Publ: Communicated anxiety in a two person situation, J. Consult. Psychol. Address: Route 1, Sheboygan, Wis. 53018.

MATTY, DR. HENRY BENJAMIN, b. Malone, N.Y. July 7, 23; m. 44; c. 2. PSYCHOLOGY. B.A. Arizona, 54; M.A. Fla. State, 57, Ph.D. 59. Repeater-man, N.Y. Tel. Co. 41-42, 46-47; electronics engr, Bell Aircraft Corp, 52-53; psychol. trainee, Coral Gables Vet. Admin. Hosp, Fla, 57-59, coordinator psychol. res, 59-60, res. assoc, 60-61; engr. systs. eng, RADIO CORP. AM, CAMDEN, 60-61, LEADER LIFE SCI, 61- U.S.A., 42-45; U.S.A.F., 47-52, Capt. Psychol. Asn; Inst. Elec. & Electronics Eng. Information transmission characteristics of organisms; communications in small groups; cybernetics. Publ: Visit to a research hospital, Am. Psychologist; Blueprint for in-flight maintenance of manned spacecraft, Space Aeronaut; In-flight support of manned spacecraft. Address: 8-E Kyoto, Towers of Windsor Park, Cherry Hill, N.J. 08034.

MATUSZEWSKI, PROF. T.(ADEUSZ) I(GNACY), b. Warsaw, Poland, May, 22, 25; nat. Can; m. 52; c. 2. ECONOMETRICS. B.Sc. London, 51, M.Sc. 55. Asst. prof. econ, British Columbia, 55-60, assoc. prof, 60-61; Montreal, 61-66; PROF. ECONOMET, LAVAL, 66- Polish Home Army, 42-45. Can. Econ. Asn. Input-output systems; adaptive forecasting. Publ: Trader's behavior—an alternative explanation, Rev. Econ; Some properties of Pascal distribution for finite population, J. Am. Statist. Asn; L'ajustement periodique des systemes de relations inter-industrielles, Econometrica, 1-4/63. Address: Dept. of Economics, Laval University, Quebec 10, Que, Can.

MATZ, PROF. E(ARL) LUKE, b. Hamburg, Pa, Apr. 27, 11; m. 36. SOCIOLOGY, ANTHROPOLOGY. B.S. Ithaca Col, 38; M.S. Pennsylvania, 44; Ph.D. (sociol), Ohio State, 57. Teacher, high sch, 38-43, 46-54; asst. SOCIOL, Ohio State, 55-57; assoc. prof, Marshall, 57-58; assoc. prof, ALBRIGHT COL, 58-63, PROF, 63-, CHMN. DEPT, 58- U.S.A., 43-46, Res, 46-62, Maj. AAAS; Soc. Appl. Anthropol. Soc. Asn; Acad. Polit. & Soc. Sci. Industrial sociology, especially community relations; demography, ecology and cultural values. Address: Dept. of Sociology, Albright College, Reading, Pa. 19604.

MAU, DR. JAMES ANTHONY, b. San Francisco, Calif, Jan. 7, 35; m. 58; c. 2. SOCIOLOGY. B.A. California, Santa Barbara, 57, M.A. Los Angeles, 61. Soc. Sci. Res. Coun. fel, 61-63, Ph.D.(sociol), 64. Asst. Prof. SOCIOL, YALE, 63-68, ASSOC. PROF, 68- U.S.N.R., 53-61. Sociol. Asn. Social change and political sociology; social change and politics in the Caribbean; race relations. Publ: Social change and images of the future, Schenkman, 67. Address: Dept. of Sociology, 1965 Yale Station, Yale University, New Haven, Conn. 06520.

MAUCH, PROF. ARTHUR, b. Bassett, Nebr, July 22, 09. AGRICULTURAL ECONOMICS. B.S. Nebraska, 32, A.M. 34; Ph.D. Purdue, 39. Instr. Nebraska, 34-35; Purdue, 35-37; asst. rep, bur. agr. econ, U.S. Dept. Agr, Ind, 39-41, agr. economist, D.C., 42, state rep, Va, 42, regional leader land econ, southeast states, 43-45; PROF. AGR. ECON, MICH. STATE, 45- Vis. prof, N.C. State Col, 61-62. Agr. Econ. Asn. Short-term credit and fourth district farm credit administration; extension education in agricultural policy and economic information. Address: 35 Agricultural Hall, Michigan State University, East Lansing, Mich. 48823.

MAUCK, DR. ELWYN A(ARTHUR), b. Toledo, Iowa, May 5, 10; m. 48. PUBLIC ADMINISTRATION. A.B. Cornell Col, 32; Roberts fel, Columbia, 32-36, A.M. 33, Ph.D.(Am. Govt, constitutional law), 37. Asst. prof. polit. sci, North Carolina, 37-45, assoc. prof, 45-47; prof. govt. & polit, Maryland, 47-49; dir, State Fiscal Res. Bur, Md, 48-53; vis. prof. pub. admin, Univ. Minas Gerais, Brazil, 53-54; chief pub. & bus. admin. div, Int. Co-op. Admin, Brazil, 54-58, sr. pub. admin. adv, N.Y. Univ. Group, Ankara, Turkey, 58-59, adv. & prin. pub. admin. adv, Univ. Minn. Group, Seoul Nat. Univ, Korea, 59-62; vis. prof. pub. & internat. affairs, PITTSBURGH, 62-63, PROF. PUB. ADMIN, GRAD. SCH. PUB. & INT. AFFAIRS, 63- Vis. prof, Puerto Rico, 45-46; spec. lectr, Hopkins, 49-53; vis. lectr, Goucher Col, 50-52; staff dir, Md. Cmn. Reorgn. State Govt, 50-53; chief of party, Univ. Michigan proj, Taipei, Taiwan, 63-64; Univ. Pittsburgh group, Zaria, Nigeria, 65-67; head dept. pub. admin, Ahmadu Bello Univ, Nigeria, 66-67, dean faculty admin, 67. County govt. sect. ed, Nat. Munic. Rev, 40-53. Chief reports & awards off, Off. Civilian Defense, 42-45; chief orgn. & methods div, Nashville region, War Assets Admin, 46-47. Soc. Pub. Admin; Polit. Sci. Asn. State and local government and administration; comparative public administration; technical assistance to underdeveloped nations. Publ: Financial control in suburban areas of New York State. Address: 1767 Beechwood Blvd, Pittsburgh, Pa. 15217.

MAUCK, DR. WILLFRED, b. Highland Park, Ill, Oct. 21, 99; m. 24; c. 2. INTERNATIONAL RELATIONS. A.B. Hillsdale Col, 21, hon. LL.D., 52; London, 24-25; Geneva, 25; M.A. Columbia, 26; Hopkins, 27-28; hon. LL.D. Bates Col, 39; hon. L.H.D. Keuka Col, 50. Asst. prof. hist, Hillsdale Col, 23-24, pres, 33-42; assoc. prof. European hist, Ohio, 28-33; specialist ed. ex-changes, Off. Inter-Am. Affairs, 42-43; co-dir, Wash. bur. Inst. Int. Ed, 43-44; from specialist to pres, Inter-Am. Ed. Found, 44-46; dir. ed. div, Inst. Inter-Am. Affairs, 46-53, chief, e.coast div, 53-56; pres, Bur. Univ. Travel, 56-58; chief ed. officer, Near East-S. Asia, Agency Int. Develop, 59-66; RETIRED. Consult, U.S. del. Regional Conf. Fundamental Ed, Mex, 49. U.S.A., 18. Acad. Polit. & Soc. Sci. International education and organization; English history. Publ: Role of education in technical assistance programs, Sch. & Soc; New schools for Guatemala, Record, U.S. Dept. State; More than ABC's, Americas. Address: 5404 Albion Rd, Washington, D.C. 20016.

MAUER, DR. GEORGE JOSEPH, b. Jersey City, N.J., Aug. 15, 32; m. 58; c. 1. POLITICAL SCIENCE. B.A. Oklahoma State, 58; M.P.A. Kansas, 60; Ph.D.(polit. sci), Oklahoma, 64. Asst. dir. bur. govt. res, Univ. Oklahoma, 62-64; dir. inst. metrop. studies, Oklahoma City Univ, 64-66; asst. prof. POLIT. SCI, Okla. State, 66-67; ASSOC. PROF, DRAKE, 67- City cmnr, Norman, Okla, 63-65; exec. reservist, Off. Emergency Planning,

Exec. Off. President, 67- Pres-elect, Cent. States Conf. Pub. Admin, 66-67. U.S.N., 51-55; U.S.A.F., 55-56, S/Sgt. Polit. Sci. Asn; Soc. Pub. Admin. Public administration and state-local government; national governmental processes and political sociology; political behavior. Publ: Co-auth, The new perspective of legislative apportionment in Oklahoma, Bur. Govt. Res, Univ. Oklahoma, 64, Evolving issues and patterns of state legislative redistricting in large metropolitan areas, Inst. Metrop. Studies, Oklahoma City Univ, 66 & Urban politics in the Southwest, Inst. Pub. Admin, Arizona State Univ, 67. Address: Dept. of Political Science, Drake University, Des Moines, Iowa 70311.

MAUER, DR. LAURENCE JAY, b. Chicago, Ill, Mar. 27, 41; m. 63; c. 2. ECONOMICS. A.B. Grinnell Col, 62; Ph.D.(econ), Tennessee, 67. Economist, regional activity anal, Tenn. Valley Authority, 64-67; ASST. PROF. ECON, NORTHERN ILLINOIS, 67- Lectr, Univ. Tennessee, 66-67. Regional Sci. Asn; Econ. Asn. Monetary economics; international economics; finance; regional economics. Publ: The Patinkin controversy: a review, Kyklos, 66; co-auth, An Application of activity analysis to regional development planning, TVA Staff Papers Regional Anal, 67. Address: Dept. of Economics, Northern Illinois University, DeKalb, Ill. 60115.

MAUGHAN, J(OSEPH) HOWARD, Agr. Econ, see 10th ed, Soc. & Behav. Vols.

MAUKSCH, PROF. HANS O(TTO), b. Vienna, Austria, Sept. 6, 17; nat; m. 47; c. 2. SOCIOLOGY. M.A. Chicago, 51, fel, 53-54, Ph.D. 60. Instr. sociol, Nat. Col. Ed, 51-53; res. & teaching sociologist, dept. nursing, St. Luke's Hosp, 52-58, chmn. soc. sci. dept. & dir. dept. patient care res, Presby-St. Luke's Hosp, Chicago, Ill, 58-62; dean col. lib. arts, Ill. Inst. Tech, 62-68; PROF. SOCIOL, DEPT. SOCIOL. & SCH. MED, MISSOURI, 68- Lectr, univ. col, Chicago, 59-62; Insts. Am. Hosp. Asn, 59-; summer vis. prof, Sir George Williams, 66. Consult, lectr. & speaker for med, nursing & hosp. admin. groups. Mem, Ill. State Ment. Health Planning Bd, 65-68. Mil. Intel, 42-46, Res, 46-, Maj; Legion of Merit. Sociol. Asn; Hosp. Asn; Soc. Study Social Probs; Soc. Eng. Ed. Social psychology, organization and medicine; experimental use of social science in professional education; social organization, interaction and effectiveness of patient care systems and of patient care professions. Publ: It defies all logic, but a hospital does function, Mod. Hosp; co-auth, Patient view of the patient role; auth, The organizational context of nursing practice, In: The nursing profession, Wiley, 66. Address: Human Ecology & Behavioral Science Section, School of Medicine, University of Missouri, Columbia, Mo. 65201.

MAULDIN, W(AYMAN) PARKER, b. Six Mile, S.C., Oct. 18, 14; m. 40; c. 2. SOCIOLOGY. B.S. Clemson Col, 35; fel. & M.S. Virginia, 36; fel, Chicago, 40-41. Chief for manpower res. off, U.S. Bur. Census, 48-57; mem. staff, POP. COUN, 57-67, DIR. DEMOG. DIV, 67- Consult, Nat. Center Health Statist, 67- U.S.A., 42-46, Lt. Col. Fel. AAAS; fel. Sociol. Asn; fel. Statist. Asn; Pop. Asn; Int. Union Sci. Study of Pop; Eugenics Soc. Demography; social science methods; public opinion; measurement and evaluation of family planning programs. Publ: Application of survey techniques to fertility studies, In: Public health and population change, Univ. Pittsburgh, 65; Retention of IUDs: an international comparison, Studies Family Planning, 4/67; Measurement and evaluation of national family planning programs, Demography, 11/67. Address: Population Council, 245 Park Ave, New York, N.Y. 10017.

MAULE, DR. CHRISTOPHER JOHN, b. Gt. Brit, July 18, 34; m. 62; c. 1. ECONOMICS. B.A. British Columbia, 61; M.A. Queen's (Ont), 64; Ph.D. (econ), London Sch. Econ, 66. Lectr. ECON, Carleton (Can), 62-64; ASST. PROF, McMASTER, 66- Res. mem, Can. Royal Cmn, Farm. Mach, 66-Brit. Army, 52-54, Lt. Fel. Royal Econ. Soc; Can. Econ. Asn. Industrial organization and public policy; antitrust policy; foreign investment in Canadian industry; industrial mergers. Publ: A note on the relationship between mergers and the business cycle, J. Indust. Econ, 68; Antitrust and the takeover activity of U.S. firms in Canada, J. Law & Econ, 68. Address: Dept. of Economics, McMaster University, Hamilton, Ont, Can.

MAUNDER, DR. W. JOHN, b. Nelson, N.Z., Aug. 3, 32; m. 59; c. 2. CLIMATOLOGY, GEOGRAPHY. B.Sc. New Zealand, 54, M.Sc. 56; Ph.D.(climat), Otago, N.Z., 65. Meteorologist, N.Z. Meteorol. Serv, 55-57 & 58-61; meteorol. officer, Can. Meteorol. Serv, 57-58; lectr. GEOG, Otago, N.Z., 61-66; ASST. PROF, VICTORIA (B.C.), 66- N.Z. Geog. Soc. Agricultural climatology; economic and social aspects of weather; weather forecasting and modification; human bioclimatology. Publ: A human classification of climate, Weather, 62; Adjustment to weather—choice or chance, Atmosphere, 67; The effect of significant climatic factors on agricultural production and incomes: a New Zealand example, Monthly Weather Rev, 68. Address: Dept. of Geography, University of Victoria, Victoria, B.C., Can.

MAUNG, DR. MYA, b. Kyaiklath, Burma, Jan. 5, 33; m. 61; c. 2. ECONOMICS. B.A. Rangoon, 53; Mass. Inst. Tech, 54-56; M.A. Michigan, 57; Ph.D. (econ), Catholic Univ, 61. Tutor logic, Rangoon, 53-54; dir. res. agr. coop, Asia Found, govt. Burma, 61-62; assoc. prof. & head dept. econ, Defense Serv. Acad, Burma, 62-63; asst. prof, Kans. State Teachers Col, 63-64; S.Dak. State, 64-66; ASSOC. PROF, FINANCE, BOSTON COL, 66- Econ. Asn. System analysis of social change and economic development; study of relationships between political and cultural value patterns in the development programming of pre-industrial traditional societies, particularly southeast Asian countries. Publ: Cultural values and economic change in Burma, Asian Survey 3/64 & in Danish, New World, 64; Agricultural co-operation in Burma: a study on the value-orientation and effects of socio-economic action, Soc. & Econ. Studies, 12/65; The elephant catching co-operative society of Burma: a case study on the effect of planned socio-economic change, Asian Surv, 6/66. Address: Dept. of Finance, Boston College, Chestnut Hill, Mass. 02167.

MAUPIN, DR. EDWARD WOLFE, b. Zanesville, Ohio, Dec. 12, 34. CLINICAL PSYCHOLOGY. B.A. Chicago, 53; Ph.D.(psychol), Michigan, 62. ASST. PROF. IN RESIDENCE. MED. PSYCHOL, CALIFORNIA, LOS ANGELES, 62-U.S.A., 57-62. Psychol. Asn. Psychotherapeutic aspects of meditation. Address: Dept. of Medical Psychology, University of California, Los Angeles, Calif. 90024.

MAURER, PROF. DAVID W, Ling, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

MAURER, DR. JOHN GEORGE, b. Evansville, Ind, May 22, 37; m. 64. MANAGEMENT, ECONOMICS. B.S. Detroit, 60; M.B.A. Mich. State, 62, Ford Found. fcls, 62-65, Ph.D.(mgt, mkt, econ, indust. sociol), 67. Res. asst, Mich. State, 60-61, asst. MGT, 61-62; ASST. PROF, WAYNE STATE, 65-Summers, consult, Whirlpool Corp, Mich, 61, Mt. Carmel Hosp, Detroit, 63, 64, St. Mary's Acad, 64, 65. Acad. Mgt. Organization structure and process; general management; open systems models. Publ: Contrib, The American federal executive, 63 & The emergent American society, 67, Yale; The relationship of work role involvement to job characteristics with higher-order need satisfaction potential, Acad. Mgt. J, 9/67. Address: School of Business, Wayne State University, Detroit, Mich. 48202.

MAURER, DR. ROBERT L(EONARD), b. Lakewood, Ohio, Nov. 5, 12; m. 41; c. 3. PSYCHOLOGY. M.A. Western Reserve, 36; fel, Ohio State, 46-48, Ph.D.(psychol), 51. Asst. prof. psychol, CALIF. STATE POLYTECH. COL, San Luis Obispo, 48-52, acting dean, liberal arts div, 52-57, dean arts & sci. div, KELLOGG-VOORHIS, POMONA, 57-64, prof. psychol, 64-67, admin. v-pres, 67-68, DIR. GRAD. STUDIES, 68- Reading consult, San Luis Obispo County Schs, 49-50. U.S.A. 42-46; U.S.A.F.R., 48-66, Lt. Col. Psychol. Asn. Experimental psychology of vision; reading remediation and improvement at the adult level. Address: California State Polytechnic College, Kellogg-Voorhis, 3801 W. Temple Ave, Pomona, Calif. 91766.

MAURER, PROF. WESLEY H, b. Bunker Hill, Ill, Jan. 18, 97; m. 44; c. 3. JOURNALISM. A.B. Missouri, 21, B.S. 22, B.J. 23. News ed, Mex. Eve. Ledger, Mo, 22-24; instr. journalism, Michigan, 24-25; asst. prof. journalism & dir. journalism training, sch. journalism, Ohio, 24-28; instr. JOURNALISM, MICHIGAN, 28-32, asst. prof. 32-41, assoc. prof. 41-42, PROF, 48-, RESIDENTIAL COL, 66-, faculty ed, Mich. Journalist, 24-25, 28-66, chmn. dept. journalism, 49-66. Dir. Forum Am. Affairs & World Events, Univ. Michigan-Wayne State Univ-Eastern Michigan Univ, 30-, supvr, Univ. Michigan journalism internships, 48-66, chmn. senate adv. cmt. univ. affairs, 60-61, distinguished faculty achievement award, 62. City ed, news ed. & ed. writer, Athens Messenger, Ohio, 25-28; publisher & ed, Town Crier, Mich, 59-; Harbor Light, 65- Soc. Newspaper Editors. Publ: The reporting of crime, of criminal court procedures and of corrections; Survey of medical service and health agencies in Michigan; The medical relief program of the Essex County Medical Society. Address: 1510 Harding Rd, Ann Arbor, Mich. 48104.

MAUSEL, DR. PAUL WARNER, b. Minneapolis, Minn, Jan. 2, 36; m. 66; c. 1. SOIL GEOGRAPHY. B.A.(chem) & B.A.(geog), Minnesota, Minneapolis, 58, M.A. 61; Ph.D.(geog), North Carolina, 66. Instr. GEOG, Mankato State Col, 61-62; ASST. PROF, EASTERN ILLINOIS, 65- Eastern Illinois Univ. res. grant, 67-68. Am. Geog. Soc; Asn. Am. Geog; Can. Asn. Geog. Interrelationships between soils and other earth phenomena such as agriculture, rural planning and general land use planning. Publ: Soils geography: a North Carolina example, Bull. Il. Geog. Soc, 6/68; A selected application of the seventh approximation in soils geography, Prfnl. Geogr, (in press). Address: Dept. of Geography, Eastern Illinois University, Charleston, Ill. 61920.

MAUSER, PROF. FERDINAND F(RANK), b. Chicago, Ill, Nov. 22, 14. MARKETING. A.B. Heidelberg Col, 37; Hayden scholar & M.S., N.Y. Univ, 38; Dr.(pub. econ), Munich, 51. Mkt. analyst, Procter & Gamble Co, 38-40; Kroger Co, 41-42, 46-47; from assoc. prof. to PROF. MKT. & CHMN. DEPT, WAYNE STATE, 47- Fulbright vis. lectr, Germany, 57-58. U.S.A. 42-46, Maj. Mkt. Asn. Publ: Co-auth, Detroit's senior citizens; Modern marketing management & American business: an introduction, Harcourt, 66. Address: River House Apt. 1428, 8900 Jefferson E, Detroit, Mich. 48214.

MAUSNER, PROF. BERNARD, b. New York, N.Y., Aug. 2, 20; m. 44; c. 2. PSYCHOLOGY. B.A., Columbia, 40, M.A. 47, Ph.D.(psychol), 50. Instr. psychol, Wash. Sq. Col, N.Y. Univ, 47-52; asst. prof, Massachusetts, 52-55; res. psychologist, Psychol. Serv. Pittsburgh, Pa, 55-56; res. assoc, grad. sch. pub. health, Pittsburgh, 56-60, assoc. res. prof. soc. psychol. in pub. health, 60-62; PROF. PSYCHOL. & CHMN. DEPT, BEAVER COL, 62-, organizer, Nat. Conf. Behav. Factors in Cigarette Smoking, 65. Off. Naval Res. res. grant, 62-67; U.S. Pub. Health Serv. res. grants, 62-65 & 66-67. U.S.A. 42-45. Fel. Psychol. Asn. Social psychology; experimental study of social interaction; applications of social psychology to problems of public health; attitudes toward work; urban conservation; psychological factors in cigarette smoking; use of role-playing in behavioral change. Publ: Motivation to work; Studies in social interaction; Study of the anti-scientific attitude, Sci. Am. Address: Dept. of Psychology, Beaver College, Glenside, Pa. 19038.

MAUTZ, PROF. R(OBERT) K(UHN), b. Ft. William, Ont, Apr. 12, 15; m. 39; c. 3. ACCOUNTING. B.S., North Dakota, 37; M.S., Illinois, 36, Ph.D. 42. PROF. ACCT, ILLINOIS, 54- Consult, Gen. Acct. Off. U.S.N.R., 43-45. Am. Acct. Asn.(pres, 65). Auditing and accounting theory. Publ: Fundamentals of auditing; Duties of junior accountants; co-auth, Philosophy of auditing. Address: 1112 Mayfair Rd, Champaign, Ill. 61820.

MAVERICK, DR. GEO(RGE) M(ADISON), b. San Antonio, Tex, Dec. 11, 93; m. 17; c. 3. INDUSTRIAL ADMINISTRATION. B.S. Mass. Inst. Tech, 16; Sc.D. Geneva, 22. Chemist, Angus Co, Ltd, India, 19-21; res. assoc, Mass. Inst. Tech, 22-23; Esso Res. & Eng. Co, 23-56; prof. bus. admin, grad. sch. bus. admin, Virginia, 56-64; RETIRED. Mem. cmn. specialized personnel, Off. Civil & Defense Mobilization, 54-64. Ord. Dept, 17-19, Lt. Scientific and engineering manpower and training. Address: Graduate School of Business Administration, Charlottesville, Va. 22901.

MAVES, PROF. VIVIEN WALLACE, b. West Salem, Ill, Feb. 12, 04; m. 44. PSYCHOLOGY. A.B. Greenville Col, 28; A.M. Michigan, 32; summers, Chicago, 33, Columbia, 34, Iowa, 36, California, 37; Ph.D.(ed. psychol), Peabody Col, 40. Supt. schs, Iowa, 30-38; instr. sociol. & ed, univ. exten, Tennessee, 41-42; PROF. PSYCHOL, EVANSVILLE, 46- Fulbright prof, Karachi,

Pakistan, 58-59. U.S.A. 42-46, 1st Lt. AAAS; Psychol. Asn. Needs and interests of youth; guidance; culture. Address: Dept. of Psychology, University of Evansville, Evansville, Ind. 47704.

MAVRINAC, PROF. ALBERT A(NTHONY), b. Pittsburgh, Pa, Nov. 24, 22; m. 54; c. 5. POLITICAL SCIENCE. A.B. Pittsburgh, 43, M.A. 50; Fulbright scholar, Louvain, Belgium, 50-51; univ. fel, Harvard, 53-55, Ph.D.(polit. sci), 55. Labor rels. specialist, manpower div, Off. Mil. Govt, Germany, 46-48; lectr, polit. sci, Pittsburgh, 48-50; instr. Wellesley Col, 53; instr. govt, Harvard, 55-58, lectr, 58; Allston Burr sr. tutor, John Winthrop House, 56-58; PROF. GOVT. & CHMN. DEPT. HIST. & GOVT, COLBY COL, 58- Fulbright lectr, Univs. Rennes & Montpellier, France, 58-59; Carnegie fel, law sch, Harvard, 61-62; summer, Lilly fel, Duke, 60; lectr. & assoc. dir. summer insts. on communism & Am. constitutionalism, American Univ, 63. Consult. Egyptian exec. develop, Ford Found. & Inst. Pub. Admin, 64-65, Egyptian admin. & polit. insts, 65-67; adv. & consult. sr. exec. develop. & admin. training, Govt. U.A.R., 65-67. Mem. Soc. Sci. Res. Coun. Inst. Admin. Law of Torts, 61; Fulbright Nat. Screening Cmt. Belgian Award, Inst. Int. Ed, 64; develop. cmt. Am. Govt. Comprehensive Col. Test, Ed. Testing Serv, 64-65; sub-cmt. chmn. Gov. Task Force on Govt. Reorgn, Maine, 67-68. U.S.A. 43-46, Lt. Polit. Sci. Asn; Soc. Polit. & Legal Philos; Soc. Pub. Admin; Soc. Int. Develop. Constitutional law; political theory; Western European politics; American national and local government; comparative local government; Middle East politics and administration; executive development. Publ: Organization and procedure of the French National Assembly of the Fifth French Republic, Monogr. Hansard Soc, London, 60; From Lochner to Brown v. Topeka: the court and conflicting concepts of the political process, Am. Polit. Sci. Rev, 9/58; Political privacy, the courts, and the worlds of reason and life, Nomos VII, 64. Address: Dept. of History & Government, Colby College, Waterville, Maine 04901.

MAW, PROF. WALLACE H(ENRY), b. Providence, R.I., July 1, 17; m. 46. EDUCATIONAL PSYCHOLOGY. A.B., Ohio Wesleyan, 39; Ed.M., Cincinnati, 48, Ed.D. 53. Lectr. ed. psychol, Cincinnati, 49-50; ed, Pennsylvania, 50-55; assoc. prof. human develop, COL. ED, DELAWARE, 55-65, PROF. HUMAN DEVELOP. & ED. PSYCHOL, 65- Lectr, Delhi, India, 54-55. Fel. AAAS; Psychol. Asn; fel. Soc. Res. Child Develop. Sex education; identification and measurement of curiosity of school children. Publ: Co-auth, An exploratory investigation into the measurement of curiosity in elementary school children, 64, Personal and social variables differentiating children with high and low curiosity, 65, & auth, A definition of curiosity: a factor analysis study, 67, Wash, D.C. U.S. Off. Ed. Address: College of Education, University of Delaware, Newark, Del. 19711.

MAWARDI, DR. BETTY HOSMER, b. Elkhart, Ind, Feb. 1, 21; m. 50. SOCIAL PSYCHOLOGY. A.B. Radcliffe Col, 43, Ph.D. 59; M.A., Wellesley Col, 52. Jr. clerk personnel dept, Allison Div, Gen. Motors Corp, 43-44; acting asst. registr. Butler, 44-45; counsr, placement off, Wellesley Col, 46-52, asst. dir, 53-54; asst. soc. rels, Harvard, 55-59, res. assoc. soc. psychol, 59-60; asst. prof. MED. ED. RES. SCH. MED. CASE WESTERN RESERVE, 60-66, ASSOC. PROF, 66-, ASSOC. CLIN. PROF. PSYCHOL, UNIV, 66-, asst. clin. prof, 60-66. Psychol. Asn. Creative problem solving; values; cognitive processes; group conflict and prejudice; personality and culture; careers. Publ: Industrial invention: a study in group problem solving; A career study of physicians, J. Med. Ed, 40: 658-666; Relation of student learning to physician performance, J. Am. Med. Asn, 198: 767-769. Address: Division of Research in Medicine, Case Western Reserve University, 2107 Adelbert Rd, Cleveland, Ohio 44106.

MAWHINNEY, PROF. CLARA K(REFTING), nat; m. 42. SPEECH. Fel, La. State, 34-37, Ph.D.(speech), 37. Instr. SPEECH, Baker, 29-34; PROF. & CHMN. DEPT, BRADLEY, 37-, PROF. SPEECH, PATH, SCH. SPEECH & HEARING SCI, 67-, dir. sch. speech ther, 60-67. Speech & Hearing Asn; Speech Asn. Am. Publ: Co-auth, Everyday speech & Business and professional speech. Address: School of Speech & Hearing Sciences, Bradley University, 1203 N. Orange St, Peoria, Ill. 61606.

MAWHINNEY, PROF. EUGENE A(LBERTO), b. Jonesboro, Maine, Oct. 14, 21; m. 46; c. 2. POLITICAL SCIENCE. B.S. Maine, 47, M.A. 49, fel, Illinois, 49-51, Ph.D.(polit. sci), 55. Assoc. prof. polit. sci, Northeast Mo. State Teachers Col, 51-55; asst. prof. Elmira Col, 55-56, assoc. prof, 56-58, prof, 58-59; assoc. prof, GOVT, MAINE, 59-63, PROF, 63-, HEAD DEPT. POLIT. SCI, 66- Mem. Maine Judicial Coun, 65-; Maine Cmn. Senate Apportionment, 66-67; Gov. Task Force Govt. Reorgn, 67-68. U.S.A. 42-46. Polit. Sci. Asn. Constitutional law; political parties. Publ: Legislative apportionment in Maine, Univ. Maine, 67. Address: Dept. of Political Science, 1 North Stevens Hall, University of Maine, Orono, Maine 04473.

MAX, DR. L(OUIS) WILLIAM, b. Baltimore, Md, Nov. 28, 01; m. 29; c. 1. PSYCHOLOGY. A.B. Hopkins, 23, Ph.D.(physiol. psychol), 27; Columbia, 23-24. Nat. res. fel. biol. N.Y. Univ, 29-30, instr. psychol, 29-30, asst. prof, 30-35, assoc. prof, 35-43, vis. prof. physiol, dent. col, 43-44, assoc. prof, dent. col. & grad. sch, 44-46, prof. physiol. & biophys. & chmn. dept, 46-56; PRACTICING PSYCHOLOGIST, 56- Dir. electroencephalog. serv, pneumonia div, Harlem Hosp, 41-43; res. fel. psychiat, Bellevue Psychopath. Hosp, 43-44; chief instrument sect, Edgewood Arsenal, Md, 44; anal. sect, flame attack div, Nat. Defense Res. Cmt. contract, Chem. Warfare Serv, 44-45. Res. consult, U.S. Testing Co, N.J., 48-54. Dipl. Am. Bd. Exam. Prfnl. Psychol. AAAS; fel. Psychol. Asn; fel. N.Y. Acad. Sci. Time relations between mechano and electro-cardiogram; action-current studies of sleep dreaming and thinking; psycho-physiological and electronic apparatus; computer design; deafmutism; electroencephalography; measurement of relaxation; physiology of anesthesia; psychotherapy; biophysics. Publ: An experimental study of the motor theory of consciousness. III Action-current responses in deaf-mutes during sleep, sensory stimulation and dreams, 19: 469-486 & An experimental study of the motor theory of consciousness. IV Action-current responses in the deaf during awakening, kinaesthetic imagery and abstract thinking, 24: 301-344, J. Comp. Psychol; co-auth, Electrocardiac potentials: are they pathognomonic of Cancer?, Cancer, 6: 77-79. Address: 1 W. 67th St, Apt. 611, New York, N.Y. 10023.

- MAXAM, DR. WILLIAM P, b. Princeton, Ind, Sept. 10, 32; m. 62; c. 2. POLITICAL SCIENCE. A.B. Indiana State, 54; M.A., 55; Falk fel. Mich. State, 54-56; Ph.D.(govt). American Univ, 64. Budget analyst, Fed. Civil Defense Admin, 56-58; spec. asst. to reg. dir, region 4, Off. Civil & Defense Mobilization, 58-59, planning officer, 59-60; budget analyst, Vet. Admin, 60-62; res. analyst, U.S. Adv. Cmn. Intergovt. Rels, 62-64; ASSOC. PROF. POLIT. SCI, INDIANA STATE, 64. Outstanding & sustained superior performance award, Off. Civil & Defense Mobilization, 58-59. U.S.A.R., 57-63. Polit. Sci. Asn; Soc. Pub. Admin. Civil defense; intergovernmental relations; Indiana government and politics; federal bureaucracy. Publ: Transferability of public employee retirement credits among units of government, 63 & Statutory and administrative controls associated with public assistance, 64, Adv. Cmn. Intergovt. Rels; Indiana government, Effective Learning Mat, Inc, 67. Address: Dept. of Political Science, Indiana State University, Terre Haute, Ind. 47809.
- MAXEY, PRES. CHESTER C(OLLINS), b. Ellensburg, Wash, May 31, 90. POLITICAL SCIENCE. A.B. Whitman Col, 12; A.M. Wisconsin, 14; Ph.D. Columbia, 19; LL.D. Lewis & Clark Col, 50. Asst. prof. polit. sci, Ore. State Col, 14-17; mem. staff & supvr. training sch. pub. serv, City Bur. Munic. Res, N.Y., 18-20; assoc. prof. POLIT. SCI, Western Reserve, 20-25; prof. WHITMAN COL, 25-59, MILES C. MOORE EMER. PROF. & EMER. PRES. COL, 59-, dean, 31-48, pres, 48-59, vis. prof, 64-68, acting pres, 67-68. Polit. Sci. Asn. County administration; an outline of municipal government; the American problem of government. Publ: Bipartisanship in the United States, Caxton, 65; The world I live in, Dorrance, 66. Address: 304 E. Bryant St, Walla Walla, Wash. 99362.
- MAXFIELD, DR. KATHRYN E(ROLL), b. Binghamton, N.Y., Dec. 28, 95. PSYCHOLOGY. B.A. Mt. Holyoke Col, 18; A.M. Columbia, 23, Ph.D.(psychol), 36. Res. psychologist, Perkins Sch. for Blind, Mass, 19-24, dir. personnel & res, 32-34; supvr. ed. res. Am. Found. Blind, N.Y., 24-32; dir. Arthur Sunshine Home & Nursery Sch. for Blind, N.J., 34-38; CONSULT. PSYCHOLOGIST, 38- Dir. lighthouse psychol. guid. serv, N.Y. Asn. Blind, 46-52, psychol. consult, 52-; counseling psychologist, City Col. New York, 44-62. Fel. Psychol. Asn; fel. N.Y. Acad. Sci; Int. Coun. Psychol; Personnel & Guid. Asn. Tests for the blind; development of the preschool blind child; psychological guidance for the blind and for college students. Address: 2101 E. Maryland Ave, Apt. 6-A, Phoenix, Ariz. 85016.
- MAXFIELD, DR. O(LLIE) ORLAND, b. Sumner, Ill, Feb. 4, 25. GEOGRAPHY. B.A., George Peabody Col, 45; M.A. Ohio State, 46, Ph.D.(geog), 63. Instr. GEOG, ARKANSAS, 46-50, 51-63, asst. prof, 63-67, ASSOC. PROF., 67-, CHMN. DEPT., 66-, Dept. West. Civilization, 63-65. Nat. Defense Ed. Act Title XI consult, 65. Summer vis. instr. Tex. Col. Arts & Indust, 60 & 62. AAAS; Asn. Am. Geog; Nat. Coun. Geog. Ed. Geography of the South; philosophy of geography; geographical education; urban and regional planning; conservation; historical geography of the United States. Publ: Contrib, J. Geog. & Proc. Ark. Acad. Sci. Address: Dept. of Geography, University of Arkansas, Fayetteville, Ark. 72701.
- MAXON, DR. RICHARD C, b. Albany, Mo, Mar. 14, 29; m. 55; c. 2. AGRICULTURAL ECONOMICS. B.S. Missouri, 51, M.S. 55, Ph.D.(agr. econ), 63. ASST. PROF. AGR. ECON, IOWA STATE, 63- U.S.A., 51-53. Agr. Econ. Asn. Consumer economics; business management in retailing; retail trade movement. Address: Dept. of Economics, 411 East Hall, Iowa State University, Ames, Iowa 50010.
- MAXON, PROF. YALE (CANDEE), b. Chicago, Ill, Oct. 5, 06; m. 30; c. 2. POLITICAL SCIENCE. A.B. Stanford, 28; A.M. Hawaii, 33; Ph.D.(int. rels), California, 52. Instr. Punahou Sch. Hawaii, 29-38, 40-41; asst. prof. San Francisco State Col, 52-53; instr. Santa Rosa Jr. Col, 53-55; PROF. SOC. SCI, MERRITT COL, 55- Fulbright exchange teacher, Fed. Tech. Mid. Sch. Graz, Austria, 61-62. U.S.N. 41-47, Comdr. Am. Soc. Int. Law; Fedn. Am. Sci. Far East; highway zoning; world peace. Publ: Control of Japanese foreign policy, 1930-1945, Univ. California, 57. Address: 820 Euclid Ave, Berkeley, Calif. 94708.
- MAXTED, PROF. MATTIE CAL, b. Ripley, Miss, Feb. 24, 00; m. 35. SOCIAL SCIENCE. A.B. Oklahoma, 22, A.M. 34; dipl. Okla. City Law Sch, 29; Chicago, 35-36; Minnesota, 39-45. Field supvr, Fed. Emergency Relief Admin, Okla, 33-35; instr. grad. sch. soc. work, Oklahoma, 35-40; from asst. prof. to PROF. SOC. WELFARE & HEAD DEPT, ARKANSAS, 40- Lectr, Oxford, 54; Japan, 57. Pres. Ark. Conf. Soc. Welfare, 50; pres. Nat. Asn. Schs. Soc. Admin, 50-52, mem. exec. cmt. Coun. Soc. Work Ed, 53-54. Pub. Welfare Asn; Nat. Asn. Soc. Workers; Acad. Cert. Soc. Workers. Public welfare services in Arkansas; laws relating to children; welfare and health agencies in Arkansas; laws relating to social work in Arkansas. Address: Dept. of Social Welfare, University of Arkansas, Fayetteville, Ark. 72701.
- MAXWELL, DR. ALAN, b. Ashington, Eng, Aug. 27, 30. PSYCHOLOGY. B.A., Bristol, 61, Ph.D.(psychol), 65. Tutor PSYCHOL, Bristol, 61-65; fel. PSYCHOL, Calif. Inst. Tech, 65-66; ASST. PROF, VASSAR COL, 66- R.A.F., 48-49. Brit. Psychol. Soc. Visual perception, especially movement aftereffects. Publ: The spiral aftereffect, Sci. Reporter, 66; Eye movements and the spiral aftereffect, Perceptual & Motor Skills, 68; co-auth, Circle-size discrimination in Cichlid fish: prolonged interference between problems, Animal Behav, 68. Address: Vassar College, Poughkeepsie, N.Y. 12601.
- MAXWELL, PROF. AMOS DEZELL, b. Oklahoma City, Okla, Apr. 13, 32; m. 46; c. 1. POLITICAL SCIENCE. B.S., Okla. State, 48, M.A., 50; S.Sc.D., Syracuse, 53. From assoc. prof. to prof. POLIT. SCI, Moorhead State Col, 53-62; PROF. NORTHEAST. STATE COL, 62- Consult, sub-cmt. econ. develop. prog, pub. works cmt, U.S. House Reps, 66. U.S.A.A.F., 40-45, Lt. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Attitudinal analysis; voter behavior. Publ: Sequoyah constitutional convention; Collection of documents concerning human rights. Address: 711 Victor St, Tahlequah, Okla. 74464.
- MAXWELL, PROF. J. WILLIAM, b. Winnipeg, Man, Aug. 17, 19; U.S. citizen; wid. MASS COMMUNICATION. A.B. Southern California, 41; M.S. Columbia, 46; fel. Iowa, 50-51, Ph.D.(mass commun), 56. Ed. pub. rels, Ford Motor Co, Calif, 46-49; news correspondent, N.Am. Newspaper Alliance, Europe, 49-50; instr. journalism & commun, Iowa, 52-54; asst. prof. journalism, Mich. State, 54-55; prof. & chmn. dept, South Dakota, 55-59; vis. prof, California, Los Angeles, 59-60; Fulbright prof. pub. rels, Cath. Univ. Peru, 60; PROF. COMMUN. & CHMN. DEPT, CALIF. STATE COL. FULLERTON, 61- Summers, dir. study tour, Europe, 62; econ. ed. fel. Young & Rubicam Advert. Agency, N.Y., 63; mass media studies, Europe, 64 & Africa, 66. Asn. Ed. Journalism; Soc. Journalism Sch. Adminstr.(secy-treas, 55-59). International news communication; public relations. Publ: Ed. The foreign correspondent: his problems in covering the news abroad, Iowa, 53. Address: Dept. of Communications, California State College at Fullerton, Fullerton, Calif. 92631.
- MAXWELL, PROF. JAMES A(CKLEY), b. Westville, N.S. Can, Mar. 7, 97; m. 46; c. 3. ECONOMICS. B.A. Dalhousie, 21; A.M. Harvard, 23, Ph.D., 27; L.H.D. Clark, 67. Instr. ECON, CLARK, 24-26, asst. prof, 26-28, assoc. prof, 28-37, prof, 37-67, EMER. PROF, 67-; UNIV. PROF, CONNECTICUT, 67- Soc. Sci. Res. Coun. fel, 30-31; econ. adv. Royal Cmn. Financial Arrangements with the Maritime Prov, 35; res. fel. Melbourne, 38, Fulbright prof, 65; Guggenheim fel, 40-41. Mem. staff, Off. Price Admin, 42-44; U.S. Dept. State, 44-46. Econ. Asn; Can. Polit. Sci. Asn. Public finance; federal subsidies to the provincial governments in Canada; fiscal impact of federalism in the United States. Publ: Tax credits and intergovernmental fiscal relations, 62 & Financing state and local governments, 65, Brookings; Commonwealth-State financial relations in Australia, Melbourne Univ. Press, 67. Address: Dept. of Economics, Clark University, Worcester, Mass. 01610.
- MAXWELL, DR. MARTHA J(ANE), b. Washington, D.C., Apr. 30, 23; m. 41; c. 3. PSYCHOLOGY. B.A. Maryland, 46, M.A., 48, Ph.D., 60. Instr. psychol, counseling center, American Univ, 46-47; psychologist, counseling center, Baltimore, 47-48; instr. psychol. & admin. asst, dean students off, MARYLAND, 52-56, instr. PSYCHOL, 59-60, asst. prof, 60-64, ASSOC. PROF. & DIR. READING & STUDY SKILLS LAB, 64- Psychol. Asn; Personnel & Guid. Asn. Non-intellectual determinants of college success; attitudes toward counseling; psychology of reading. Publ: Skimming and scanning, McGraw, (in press); Can counselors predict the expressed attitudes of their counselees?; Analysis of the CPI and ACE psychological tests as predictors of success in different college curricula. Address: Counseling Center, Shoemaker Bldg, University of Maryland, College Park, Md. 20740.
- MAXWELL, PROF. MILTON A(NDREW), b. Beecher, Ill, Aug. 12, 07; m. 35; c. 2. SOCIOLOGY. A.B. Elmhurst Col, 29; fel. Texas, 43-45, M.A., 44, Ph.D.(sociol), 49. Instr. SOCIOL, Washington State, 45-46, 47-48, asst. prof, 48-52, assoc. prof, 52-57, prof, 57-60, 61-65; PROF, CENTER ALCOHOL STUDIES & EXEC. DIR, SUMMER SCH. ALCOHOL STUDIES, RUTGERS, 65- Sr. res. fel. center alcohol studies, Yale, 57-58; dir. prog, Alcoholism Found. Alta, 60-61. AAAS; Sociol. Asn; Soc. Study Social Probs. Alcoholism; social psychology; group dynamics. Publ: Co-auth, Introductory sociology. Address: 86 Mitchell Ave, Piscataway, N.J. 08854.
- MAXWELL, PROF. MOREAU S(ANFORD), b. Schenectady, N.Y., July 7, 18; m. 43; c. 4. ANTHROPOLOGY. A.B. Chicago, 39, M.A., 46, Ph.D.(anthrop), 49. Dist. supvr. mus. exten. projs, Works Progress Admin, Ill, 39-42; asst. prof. anthrop, Beloit Col, 46-52; assoc. prof, Air Univ, 52-57; PROF. ANTHROP. & CURATOR MUS, MICH. STATE, 57-, CHMN. DEPT. ANTHROP, 64- Chief arctic sect, Arctic, Desert, Tropic Info. Center, U.S. Dept. Air Force, 52-57. U.S.N.R. 42-45, Lt. Anthropol. Asn; Soc. Am. Archaeol. Archaeology of lower Ohio, upper Mississippi drainage and Great Lakes; ethnology of Melanesia and southeast Asia; archaeology of Canadian arctic. Publ: Archaeology of the lower Ohio Valley, In: Archaeology of the eastern United States; An archaeological analysis of eastern grant land, Ellesmere Island, Northwest Territories, Bull. Can. Nat. Mus; Excavations at Fort Michilimackinac, Bull. Mich. State Mus. Address: Dept. of Anthropology, Michigan State University, East Lansing, Mich. 48824.
- MAXWELL, PROF. THOMAS J(AMES), JR, b. Mass, June 22, 24; m. 50; c. 2. ANTHROPOLOGY. B.A. Col. Wooster, 47; M.A. Missouri, 53; Ph.D.(anthrop), Indiana, 62. Teacher, cultural inst, Lima, Peru, 49; psychiat. soc. worker, Massillon State Hosp, Ohio, 50-51; teacher, jr. high sch, Ohio, 53-54; res. asst. ethnologist, res. Indiana Univ, 54-56; asst. prof. sociol. & anthrop. & head dept, Inter Am. Univ, 56-63, assoc. prof, 63-64, acad. dean admin, 63-65; PROF. ANTHROP. & SOCIOL, CALIF. LUTHERAN COL, 65-, CHMN. DEPT., 66-, chmn. div. soc. sci, 65-66. Am. Anthropol. Asn. vis. lectr, Portland, 68. Summers, Fulbright grant, Inst. Indian Civilizations, Mysore, India, 64; dir, Lisle Fel. Unit, Cali, Colombia, 66; lectr, Nat. Defense Ed. Act, Inst. Elem. Spanish Teachers, 67 & 68. Consult. & chmn. adv. cmt, migrant ed. proj, Off. Econ. Opportunity, Ventura County, Calif, 67- Mem. Inst. Caribbean Culture. U.S.A.A.F., 43-45, 2nd Lt. Ethnol. Soc; fel. Anthropol. Asn; Am. Indian Ethnologist. Conf; Inter-Am. Indian Inst. Ethnohistory of central Andes, Peru, Great Lakes region, and the Caribbean. Publ: Agricultural ceremonies of the central Andes during four hundred years of Spanish contact, Ethnohistory; co-auth, A preliminary archeological survey of the Table Rock Reservoir area, Stone County, Missouri, Mo. Archaeologist. Address: California Lutheran College, 3268 Luther Ave, Thousand Oaks, Calif. 91360.
- MAXWELL, PROF. WILLIAM DAVID, b. Fayetteville, N.C., Oct. 13, 26; m. 49; c. 2. ECONOMICS. A.B. North Carolina, 49, M.A., 54; Earhart fel, Hopkins, 54-55; univ. fels, 54-56, Southern fel, 57-58, Ph.D., 58. Asst. prof. econ, South Carolina, 56-57; Tulane, 58-60, assoc. prof. & chmn. dept, 60-65; vis. prof, Thammasat, 65-66; PROF. BUS. ECON, INDIANA, 66- Consult. humanities & soc. sci, Rockefeller Found, 66- Ed. South. Econ. J. 61; mem. regional cmt, Woodrow Wilson Found, 64-65. U.S.N., 44-47, 50-52, Lt.(jg). Econ. Asn. Economic theory; economics of transportation. Publ: Product rate discrimination in motor trucking, South. Econ. J; Regulation of motor carrier rates by the I.C.C. Land Econ; A methodological hypothesis for the plight of the humanities, Am. Asn. Univ. Profs. Bull, spring 68. Address: Dept. of Economics, Indiana University School of Business, Bloomington, Ind. 47401.

MAXWELL, DR. WILLIAM J, *Am. Hist.*, see 5th ed, *Dir. Am. Scholars*, Vol. I, *Hist.*

MAXWELL, W(ILLIAM) R(USSELL), *Econ.*, see 10th ed, *Soc. & Behav. Vols.*

MAY, A. WILFRED, b. Philadelphia, Pa, Apr. 5, 00; div; c. 1. *ECONOMICS*. A.B. Columbia, 19, A.M. 32; London, 36-37. Researcher, Soc. Sci. Res. Coun, 30-34; spec. econ. adv. Securities & Exchange Cmn, 35-36; for. correspondent, N.Y. Herald Tribune, 36-40; dir. div. res. & statist, U.S. Treas. War Finance Div, State of N.Y., 42-44; EXEC. ED, *COMMERCIAL & FINANCIAL CHRONICLE*, 45- Mem. finance & invest. faculty, New Sch. Soc. Res. U.S. correspondent, Int. Econ. Conf, Moscow, 52. Coun. For. Rels; Econ. Asn; Statist. Asn. Publ: Financial regulation abroad, *J. Polit. Econ*; U.S. and European equity prices, *Am. Econ. Rev*; They tried to do business with the Soviets, *Readers Digest*. Address: 25 Park Place, New York, N.Y. 10007.

MAY, PROF. ALONZO B(ERYL), b. Joplin, Mo, Mar. 10, 06. *ECONOMICS*. B.S. Kans. State Teachers Col, 27; A.M. Kansas, 35; Ph.D. Iowa, 37; Harvard. Prof. econ. & bus. admin, Graceland Col, 29-35; instr. econ, Denver, 36-37, asst. prof, 37; assoc. prof. bus. mgt, Simmons Col, 37-38; assoc. prof. econ & chmn. dept, DENVER, 38-41, PROF. *ECON. & FINANCE*, 41-, DIR. *TEACHING INST. ECON*, 46-, div. soc. sci, 41-42, chmn. dept, 50-68. Organizer, commercial banks, mutual fund & savings & loan assn, 58-66. Mem. bd. dirs, Invest. Res. Corp, 58-68. U.S.N.R., 42-45, Comdr. Management leadership; public finance; homestead tax exemption. Address: 1931 S. Fillmore, Denver, Colo. 80210.

MAY, DR. BENJAMIN M(ACKALL), JR, b. Buffalo, N.Y., Dec. 19, 21; m. 61; c. 3. *POLITICAL SCIENCE*. A.B. Yale, 43, Ph.D.(polit. sci), 58. Analyst, Cent. Intel. Agency, 58-59; ASST. PROF. polit. sci, Florence State Col, 60-63; GOVT. & LAW, LAFAYETTE COL, 63- U.S.M.C., 43-46, Capt. Polit. Sci. Asn. Soviet government. Address: Dept. of Government & Law, Lafayette College, Easton, Pa. 18042.

MAY, DONALD J, b. Gravel Switch, Ky, Nov. 28, 15; m. 43; c. 3. *ECONOMICS*. A.B. Centre Col, 38; A.M. Cincinnati, 47; Chicago, 50-51. Asst. prof. econ, sch. bus. admin, Emory, 47-55; economist, bur. labor statist, U.S. Dept. Labor, 55; from asst. economist to DIR, *ECON. INFO. DIV*, AM. TEXT-ILE MFRS. INST, 58- Adv. U.S. del. Int. Cotton Adv. Cmt, Mex, 60. U.S.N., 43-46, Lt. Econ. Asn; Agr. Econ. Asn. Agricultural and business economics. Address: Suite 840, 1120 Connecticut Ave. N.W., Washington, D.C. 20036.

MAY, DR. ELIZABETH S(TOFFREGEN), b. St. Louis, Mo, Apr. 25, 07. *ECONOMICS*. A.B. Smith Col, 28; Ph.D. London, 31; Radcliffe Col, 30-31. Instr. econ, Goucher Col, 31-34; asst. prof, 34-37, assoc. prof, 37-41; prin. fiscal analyst, U.S. Bur. Budget, 41-47; prof. econ. & dean, Wheaton Col.(Mass), 49-64, acting pres, 61-62; MEM. BD. DIRS, EXPORT IMPORT BANK, 64- Assoc. Am. Asn. Univ. Women, 35-36; econ. analyst, U.S. Treas. Dept, 39-41; lectr, American Univ, 39-40. Consult, Am. Mission Aid to Greece, 47 (1st v-pres). Educational policy; public finance; international trade. Publ: Restriction of the supply of staple commodities, rubber, coffee, tin and copper; Government, business and the individual; co-auth, International control in the non-ferrous metals. Address: Export Import Bank of the United States, 811 Vermont Ave. N.W., Washington, D.C. 20571.

MAY, PROF. ERNEST R(ICHARD), *Hist.*, see 5th ed, *Dir. Am. Scholars*, Vol. I, *Hist.*

MAY, PROF. F(RANCIS) B(ARNS), b. Cascilla, Miss, Dec. 24, 15; m. 56. *STATISTICS*. B.B.A. Texas, 41, M.B.A. 43, Ph.D.(bus. statist), 57. Instr. bus. statist, TEXAS, AUSTIN, 41-43, asst. prof, 47-58, assoc. prof, 58-61, prof, 61-64, CHMN. DEPT. GEN. BUS. & CONSULT. STATISTICIAN, BUR. BUS. RES, 64-, res. scientist, 54-57, statistician, 58-64, statistician, off. pres, 46-54. Vis. prof. Minnesota, 60. Dir, San Antonio Br, Dallas Fed. Reserve Bank, 66-68. U.S.A.A.F. 43-46, Capt. Statist. Asn; Economet. Soc; Inst. Mgt. Sci; Opers. Res. Soc. Economic statistics; regional input-output analysis; operations research. Publ: Developments in mathematics and statistics applicable to business problems. Address: Dept. of General Business, University of Texas Bureau of Business Research, Austin, Tex. 78712.

MAY, DR. GEOFFREY, *Pub. Admin.*, see 10th ed, *Soc. & Behav. Vols.*, deceased 64.

MAY, DR. J. THOMAS, *Hist. of Med.*, see 5th ed, *Dir. Am. Scholars*, Vol. I, *Hist.*

MAY, DR. JACK GRIFFIN, JR, b. Birmingham, Ala, Apr. 15, 31; m. 52; c. 2. *PSYCHOLOGY*. B.A. Emory, 58; Ph.D.(psychol), Indiana, 65. Staff psychologist, Carter Mem. Hosp, Indianapolis, Ind, 62-63; acting asst. prof. *PSYCHOL*, FLA. STATE, 63-65, ASST. PROF. & DIR. *PSYCHOL. RES. CLASS FOR RETARDED CHILDREN*, 65- Consult, Ga. Crippled Children's Asn, 65-66; Tri-County Ment. Health Clin, Thomasville, Ga, 65-; Vet. Admin. Hosps, 65- Mem. grant-in-aid reading cmt, Fla. Div. Ment. Retardation, 67- U.S.A.F. 51-56, Res. 56-68, 1st Lt. Behavior modification; social learning and imitation; mental retardation. Publ: Co-auth, A technique for the judgement of emotion with figure drawings, *J. Pfnl. Tech*, 63; Conditioned emotional response with humans: the effect of a variable interstimulus interval using a trace conditioning paradigm, 67 & Imitative pecking in chicks as a function of early social experience, *Psychonomic Sci*, 66. Address: 2306 Don Andres Ave, Tallahassee, Fla. 32304.

MAY, DR. JOHN DICKINSON, b. Los Angeles, Calif, Sept. 21, 32; m. 67; c. 1. *POLITICAL SCIENCE*. B.A. Dartmouth, 54; M.A. California, Berkeley, 60, Ph.D.(polit. sci), 63. ASST. PROF. *POLIT. SCI*, Yale, 63-65; CHIEFO, 65- Political sociology; party politics; American politics; political theory. Publ: Democracy, organization, Michels, *Am. Polit. Sci. Rev*, 6/65. Address: Dept. of Political Science, University of Chicago, Chicago, Ill. 60637.

MAY, DEAN JOHN W, b. St. Louis, Mo, Nov. 9, 11; m. 38; c. 1. *ECONOMICS*. A.B. Missouri, 34, A.M. 38; Ph.D. Pittsburgh, 47. Instr. Pittsburgh, 38-44; asst. prof, Pa. Col. Women, 44-46; from assoc. prof. to PROF. *ECON*, WASHINGTON & JEFFERSON COL, 46-, DEAN COL, 60- Pub. mem, War Labor Bd. Econ. Asn; Acad. Polit. Sci; Arbit. Asn. Government and business; standards of economic control; guaranteed annual wages. Address: Washington & Jefferson College, Washington, Pa. 15301.

MAY, PROF. KENNETH O(WNSWORTH), *Math.*, see 11th ed, *Phys. & Biol. Vols.*

MAY, DR. LEO CARLYLE, b. Roosevelt, Utah, Apr. 4, 20; m. c. 1. *SOCIOLOGY, ANTHROPOLOGY*. B.A. Utah, 42, M.A. 47; Ph.D.(sociol), Washington State, 49; Harvard, 53-55. Instr. sociol. & anthrop, San Jose State Col, 49-50; sociologist, Far East exten, California, 50-52; ASSOC. PROF. *SOCIOLOGY*, Okla. State, 56-60; gen. exten. div, Portland Center, 60-64; UNIV. PORTLAND, 64- U.S.A., 43-46. Sociol. Asn; Anthropol. Asn; Asn. Asian Studies. Asiatic peoples and cultures; folk religions; regional culture of North America. Publ: Dancing religion, a Japanese Messianic sect, Southwest. J. Anthropol; Survey of Glossolalia and related phenomena in non-Christian religions, *Am. Anthropologists*. Address: Dept. of Sociology, University of Portland, Portland, Ore. 97203.

MAY, PROF. LOMAX L, b. Winfield, Ala, July 13, 16; m. 48; c. 2. *PSYCHOLOGY*. B.S. Alabama, 37, Ph.D.(psychol), 63; M.A. Columbia, 47. Teacher, high sch, Ala, 37-40; PROF. *PSYCHOL*, MISS. STATE COL. WOMEN, 63- U.S.A.F. 40-60, Lt. Col. Educational psychology, measurement and evaluation; programmed instruction; educational television; audio-visual techniques in education and training. Address: Dept. of Psychology, Mississippi State College for Women, Columbus, Miss. 39701.

MAY, PROF. MARK A(RTHUR), b. Jonesboro, Tenn, Aug. 12, 91; m. 17; c. 2. *EDUCATIONAL PSYCHOLOGY*. A.B. Maryville Col.(Tenn), 11, hon. L.H.D. 61; Ph.B. Chicago, 12; M.A. Columbia, 15, Ph.D.(psychol), 17; hon. LL.D. Syracuse, 49. Instr. psychol, Syracuse, 19-20, prof, 22-24; res. assoc. Teachers Col, Columbia, 24-27; prof. ed. psychol, YALE, 27-60, dir. inst. human rels, 35-60, EMER. PROF. ED. *PSYCHOL.* & EMER. DIR. INST. HUMAN RELS, 60- Chmn, Am. Coun. Ed, 39; U.S. Adv. Cmn. Info, 52-62. With Off. Sci. Res. & Develop. Sanit.C, 18-19, Lt. AAAS; tel. Psychol. Asn; emer. mem. Nat. Acad. Ed. Psychology of motivation; effectiveness of motion pictures. Publ: Co-auth, Learning from films. Address: 72 N. Lake Dr, Hamden, Conn. 06516.

MAY, DR. MERRILL J, *Psychol.*, see Suppl. V to 11th ed, *Phys. & Biol. Vols.*

MAY, DR. PHILIP R.A, b. Weymouth, Eng, May 30, 20; nat; m. 59. *MEDICINE, PSYCHIATRY*. B.A. Cambridge, 41, M.B. B.Ch. 44, M.A. 46; M.D. Stanford, 44; dipl. psychol. med, Royal Col. Physicians & Surgeons, 47. Resident med. & neurol, Guy's Hosp, London, Eng, 45, *PSYCHIAT*, 45-46; Bexley Hosp, 46-47; sch. med, Colorado, 49-50, instr, 50-51, asst. prof, 51-53; asst. clin. prof, SCH. MED. CALIFORNIA, LOS ANGELES, 56-62, assoc. clin. prof, 62-65, ASSOC. PROF, 66-, CLIN DIR. *NEUROPSYCHIAT. INST*, 62- Chief male inpatient serv, Colo. Psychopathic Hosp, 50-51, asst. dir, hosp, 51-53; consult, Fitzsimmons Army Hosp, Denver, Colo. & U.S. Armed Forces Epidemiol. Bd, 51-53; Vet. Admin. Hosps, Denver, Colo, 51-53 & Los Angeles, Calif, 66-; clin. dir, Camarillo State Hosp, Calif, 55-59, chief res, 59-62. Consult, Superior Court, Santa Barbara & Ventura Counties & Probation Dept, Ventura, Calif, 58-66. Dipl. Am. Bd. Psychiat. & Neurol, 51. R.A.M.C. 47-49; U.S.P.H.S. 53-55, Sr. Surg. Fel. Psychiat. Asn.(Bronze award, 63); Am. Med. Asn; fel. Col. Neuropsychopharmacol. Outcome and treatment of schizophrenia; development and evaluation of treatment programs. Publ: Treatment of schizophrenia, *Sci. House*, 68; co-auth, Body ego technique—an approach to the schizophrenic patient, *J. Nerv. & Ment. Disease*, 1: 53-60 & Selection of treatment for schizophrenic patients—methodological problems in outcome and prognosis research, *Psychiat. Quart*, 4/66. Address: Dept. of Psychiatry, University of California, Los Angeles, Calif. 90024.

MAY, DR. PHILLIP A, b. Providence, R.I, June 6, 29; m. 60; c. 2. *ECONOMICS*. A.B. California, Los Angeles, 57, M.A. 59, Ph.D.(econ), 64. Lectr. *ECON*, California, Riverside, 60-61, assoc. Los Angeles, 61-63; asst. prof. NORTHERN MICHIGAN, 64-67, ASSOC. PROF, 67- CHMN. DEPT, 66- U.S.A.F. 50-55, 1st Lt. Econ. Asn. Price theory; public finance; international economics. Publ: Manpower problems and economic opportunities in an adjusting regional economy: the Upper Peninsula of Michigan, Off. Manpower, Automation & Training, U.S. Dept. Labor, 9/65. Address: Dept. of Economics, Northern Michigan University, Marquette, Mich. 49855.

MAY, DR. RICHARD B, b. Seattle, Wash, Dec. 20, 38; m. 62; c. 2. *PSYCHOLOGY*. B.A. Whitman Col, 61; Nat. Insts. Health fel, Claremont Grad. Sch. & Grad. Center, 62-66, M.A. 63, Ph.D.(exp. psychol), 66. ASST. PROF. *PSYCHOL*, VICTORIA, 66- Am. Psychol. Asn; Can. Psychol. Asn. Motivation; perception; cognition. Publ: Stimulus selection in preschool children under conditions of free choice, *Perceptual & Motor Skills*, 63; co-auth, Visual stimulus complexity and food versus food alone as rewards for rats, *Psychonomic Sci*, 65; auth, Pretest exposure, changes in pattern complexity, and choice, *J. Comp. & Physiol. Psychol*, 6/68. Address: Dept. of Psychology, University of Victoria, Victoria, B.C. Can.

MAY, DR. ROLLO R(EECE), *Clin. Psychol.*, see 10th ed, *Soc. & Behav. Vols.*

MAY, RUSSELL V(ARNELLE), JR, b. Little Rock, Ark, Dec. 8, 23; m. 44; c. 2. *INDUSTRIAL PSYCHOLOGY*. A.B. Illinois, 48, M.A. 49. Res. psychologist, U.S. Air Force Human Resources Res. Center, Chanute Air Force Base, 49-51; res. analyst occup. res, Bur. Naval Personnel, D.C. 51-53; head div, U.S. NAVAL PERSONNEL RES. ACTIVITY, D.C. 53-55, DIR. PERSONNEL SYSTS. RES. DEPT. CALIF, 55- U.S.A.A.F. 43-46. Psychol. Asn. Applied research on military personnel problems within the field of industrial psychology. Address: U.S. Naval Personnel Research Activity, San Diego, Calif. 92152.

MAY, DR. STACY, *Econ.*, see 10th ed, *Soc. & Behav. Vols.*

- MAY, PROF. WERNER THEODORE, Clin. Psychol, see 10th ed, Soc. & Behav. Vols.
- MAYBERRY, DR. JOHN P(ATTERSON), Math, Oper. Res, see 11th ed, Phys. & Biol. Vols. & Suppl. IV.
- MAYBURY-LEWIS, PROF. DAVID H(ENRY) P(ETER), b. Hyderabad, Sind, May 5, 29; m. 53; c. 2. SOCIAL ANTHROPOLOGY. B.A. Cambridge, 52, M.A. 56; fel. Sao Paulo, 55-56, M.Sc. 56; M.A. Oxford, 56, D.Phil.(soc. anthropol), 60; hon. A.M. Harvard, 66. Asst. inst. soc. anthropol, Oxford, 59-60; instr. soc. anthropol, HARVARD, 60-61, asst. prof. 61-66, ASSOC. PROF. ANTHROP, 66- Fel. Center Adv. Study in Behav. Sci, Stanford, Calif, 64-65; summer consult, prog. regional develop, Ford Found, Brazil, 67. Brit. Army, 48-49, 2nd Lt. Fel. Am. Anthropol. Asn; fel. Asn. Latin Am. Studies; fel. Asn. Social Anthropol, Brit; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Kinship theory; structural anthropology; comparative sociology, particularly dual organization; South American, particularly Brazil. Publ: The savage and the innocent, Evans, World, 65; Akwé-Shavante society, Clarendon, Oxford, 67; Race relations in Brazil, Oxford Univ. Press, 68. Address: Dept. of Anthropology, Harvard University, Cambridge, Mass. 02138.
- MAYER, PROF. ARNO J, Mod. European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MAYER, PROF. CARL, Sociol, see 10th ed, Soc. & Behav. Vols.
- MAYER, DR. CHARLES S(TEVEN), b. Budapest, Hungary, Mar. 14, 34; Can. citizen; m. 58; c. 3. BUSINESS ADMINISTRATION, MARKETING. B.A.Sc. Toronto, 57, M.B.A. 59; Ph.D.(bus. admin), Michigan, 62. Asst. study dir, surv. res. center, Univ. Michigan, 60-62; ASSOC. PROF. BUS. ADMIN, TUCK SCH, DARTMOUTH COL, 62- Vis. prof, Oxford Centre Mgt. Studies, 66-67. R.C.A.F, 53-60. Mkt. Asn; Statist. Asn; Asn. Pub. Opinion Res. Application of mathematical and computer techniques to more efficient marketing research. Publ: Math and statistical tools—marketing handbook, Ronald, 65; Interviewing costs in survey research, Mich. Bus. Reports, 64; Evaluating the quality of market research supplies, J. Mkt. Res, 67. Address: Amos Tuck School of Business Administration, Dartmouth College, Hanover, N.H. 03755.
- MAYER, PROF. ERWIN S(IMON), b. Darmstadt, Germany, Jan. 13, 23; nat; m. 49. ECONOMICS. A.B. Hunter Col, 49; Ph.D. Washington (Seattle), 56. Assoc. ECON, Washington (Seattle), 51-52, instr. 52-53; WEST. WASH. STATE COL, 53-55, asst. prof. 55-58, assoc. prof. 58-63, PROF, 63- CHMN. DEPT, 60- Summers, Found. Econ. Ed. fel. bus. 58; Ford Found. faculty fel. econ. theory, 61. U.S.A., 42-45, Sgt. Econ. Asn; Indust. Rels. Res. Asn. Labor law; wage structures; relation between economies of scale and research and development activity in industry. Publ: Union security and the Taft-Hartley Act, Duke Law J. Address: Dept. of Economics, Western Washington State College, Bellingham, Wash. 98225.
- MAYER, PROF. HAROLD M(ELVIN), b. New York, N.Y., Mar. 27, 16; m. 52; c. 2. GEOGRAPHY. B.S. Northwestern, 36; M.S. Washington (St. Louis), 37; Ph.D.(geog), Chicago, 43. Zoning specialist, Chicago Land Use Surv, 40-41; res. planner, Chicago Planning Cmn, 41-45, dir. res. 48-50; chief, div. planning anal, Phila. Planning Cmn, 45-48; asst. prof. GEOG, Chicago, 50-56, assoc. prof. 56-58, prof. 58-68; UNIV. PROF, KENT STATE, 68- Geog. Off. Strategic Serv, 43; lectr. Pennsylvania, 47-48; Northwestern, 49-50, 54-55; Fulbright vis. prof, Auckland, N.Z., 61; vis. prof, Wisconsin, Milwaukee, 65-67, Madison, summer, 64; vis. lectr, Clark, summer, 66. Consult, 50- Asn. Am. Geog; fel. Am. Geog. Soc; Inst. Planners. Urban and transportation geography, especially urban and metropolitan planning; port and terminal development; economic base and land use studies. Publ: Chicago, city of decisions; co-ed, Readings in urban geography; co-auth, Chicago: growth of a metropolis, Univ. Chicago Press, 69. Address: Dept. of Geography, Kent State University, Kent, Ohio 44240.
- MAYER, PROF. JOSEPH, b. San Antonio, Tex, Feb. 17, 87. SOCIAL SCIENCES. A.B. Southwestern (Tex), 11, LL.D. 29; Jackson scholar & Perkins fel, Harvard, 11-13, A.M. 14; Ph.D. Columbia, 22. Instr. soc. ethics, Meeting House Hill, Dorchester, Mass, 12-13; math, Texas, 13-14; mech, Elm Voc. Sch, Buffalo, N.Y., 14-16; secy. invest. bur. soc. hyg, Rockefeller Found, 16-18; instr. bus. Eng. & hist, Baylor, 18-19; dir. res. exec. indust. engr. & economist, Nat. Indust. Conf. Bd, Bus. Training Corp, N.Y., 19-24; prof. econ. & sociol. & head dept, Tufts, 24-29; dean, Atlantic, 29-30; lectr, Univ. Cluj, Rumania, 37; pub. forum lectr, U.S. Off. Ed, 37-39; CONSULT. ECON. & SOCIOL, LIBRARY OF CONG, 39-; EMER. PROF. ECON, MIAMI (OHIO), 58-; prof. econ. & math, 49-58, head dept, 50-58. Vis. prof, Wheaton Col, 40-41; sr. staff mem, Brookings Inst, 42-48; vis. prof, Southern Illinois, 61- Consult. specialist, Off. Price Admin. & Bur. Labor Statist, 41-42. Ed. dir, Niagara Falls Motion Picture Co, 14-16; asst. commandant Hardin Mil. Sch, Tex, 18-19. Official U.S. rep, Int. Cong. Hist. Sci, Prague, 37. AAAS(v-pres, 41); Hist. Sci. Soc; Soc. Indust. Eng.(pres, 22-24). Productive efficiency; United States resource potentials; profit sharing in industrial establishments. Publ: The metric versus the English system of weights and measures, Century, 21; The seven seals of science, Appleton, 37; Social science principles in the light of scientific method, Duke, 41. Address: 38 Everett Ave, Winchester, Mass. 01890.
- MAYER, DR. KARL M(ATTHIAS), b. Mendoza, Argentina, May 27, 25; nat; m. 50; c. 4. ECONOMICS. B.S. Worcester Polytech, 45; M.S. Tennessee, 47; Ph.D.(econ), N.Y. Univ, 54; summers, Muenchen & Darmstadt, Germany. Assoc. ed, McGraw-Hill Pub. Co, 48; engr, Atomic Energy Cmn, 49-51, economist, 52-55; Stanford Res. Inst, 55-57; mkt. res. mgr, electronics div, ACF Indus. Inc, 57-60; sr. economist & dir. mkt. planning, Lockheed-Ga. Co, 60-66; PRES, RILOGA-WERK, JULIUS SCHMIDT, GERMANY, 66- Economist, Stewart-Dougall & Assocs, 52. Del. Int. Atomic Energy Conf, Switz, 55; participant, Geneva Conf, 58. Econ. Asn; Oper. Res. Soc; Nuclear Soc; Mkt. Asn. Industrial economics; operations research; atomic energy. Publ: Operate for maximum profit; Joint operation of multiunit complexes for minimum cost; Economic potential of nuclear energy, Proc. Int. Conf. Atomic Energy. Address: Krehenholl 33, 563 Remscheid, Germany.
- MAYER, PROF. KURT B(ERNED), b. Zurich, Switz, Sept. 6, 16; m. 42; c. 3. SOCIOLOGY. B.A. Zurich, 35; Ph.D.(sociol), Columbia, 51. Instr. sociol, Rutgers, 48-50; asst. prof, Brown, 50-53, assoc. prof, 53-56, prof, 56-66, chmn. dept. sociol. & anthropol, 57-66; PROF. SOCIOL. & DIR. INST. SOCIOL., BERNE, 66- Lectr, grad. faculty, New Sch. Soc. Res, 47-50. Sociol. Asn; Pop. Asn. Am.(secy-treas); Inst. Union Sci. Study Pop; German Soc. Sociol; Swiss Soc. Sociol; Sociol. Asn. Australia & N.Z. Social stratification; population problems. Publ: The population of Switzerland; Class and society; co-auth, The first two years: problems of small firm growth and survival. Address: Institut für Soziologie, Brückfeldstrasse 14, 3000 Bern, Switz.
- MAYER, LAWRENCE A, b. Jamaica, N.Y., Nov. 29, 18; m. 49; c. 2. ECONOMICS. B.S. City Col. New York, 40; M.A. N.Y. Univ, 51. Jr. economist, U.S. Bur. Labor Statist, 42; economist, Nat. Indust. Conf. Bd, 46-51; ASSOC. ED, FORTUNE, 53- U.S.A., 42-45. Am. Econ. Asn; Am. Statist. Asn; Am. Finance Asn; Nat. Asn. Bus. Econ; Royal Econ. Soc. Economics of income, employment, consumption, money and credit; international economics. Publ: Co-auth, The markets of the sixties, Harper, 60; auth, Invisible transactions of the United States in the Post War Era, Nat. Indust. Conf. Bd, 51; contrib, Forecasting foreign trade and the balance of payments, In: How business economists forecast, Prentice-Hall, 66. Address: 65 E. 96th St, New York, N.Y. 10028.
- MAYER, PROF. MORRIS LEHMAN, b. Demopolis, Ala, Dec. 14, 25; m. 57; c. 2. MARKETING, ECONOMICS. B.S. Alabama, 49; M.S. N.Y. Univ, 50; Ph.D.(bus. orgn, econ), Ohio State, 61. Dept. mgr, Goldblatts, Ill, 52-53, buyer, 53-55; asst. prof. MKT, Alabama, 55-56; instr, Ohio State, 56-60; assoc. prof, ALABAMA, 60-65, PROF, 66- Ford Found. fel, Harvard Bus. Sch, 62 & Carnegie Inst. Tech, 63. Res. assoc, Ala. Hwy. Res. Proj, 62-67. Consult, Nat. Cash Register Co, 67-68; Frigidaire Corp, 67-68. U.S.A., 44-46 & 50-51, Sgt. Mkt. Asn. Marketing management and research; retailing. Address: Dept. of Marketing, School of Commerce, University of Alabama, University, Ala. 35486.
- MAYER, DR. PETER, b. Halle, Germany, Apr. 27, 25; U.S. citizen; m. 49; c. 2. POLITICAL SCIENCE. A.B. San Jose State Col, 59; M.A. California, Berkeley, 61, Ph.D.(polit. sci), 64. Asst. prof. polit. sci, Wichita State, 64-68; SR. RES. STAFF MEM, WESTINGHOUSE ADV. STUDIES GROUP, 68- Polit. Sci. Asn; Asn. Adv. Slavic Studies. Communist studies. Publ: Sino-Soviet relations since the death of Stalin, Union Res. Inst, 62; Cohesion and conflict in international communism, Nijhoff, 68; International fraternity vs. national power: ..., Rev. Polit, 4/66. Address: Westinghouse Electric Corp, Advanced Studies Group, 225 Wyman St, Waltham, Mass. 02154.
- MAYER, PROF. RAYMOND R(ICHARD), b. Chicago, Ill, Aug. 31, 24; m. 54; c. 4. BUSINESS MANAGEMENT & ECONOMICS. B.S. Ill. Inst. Tech, 48, Mach. & Allied Prod. Inst. fel, 53-54, M.S. 54, Ingersoll Found. fel, 54-57, Ph.D.(indust. eng), 57. Indust. engr, Standard Oil Co.(Ind), 48-51; orgn. analyst, Ford Motor Co, 51-53; instr. bus. & econ, Ill. Inst. Tech, 53-56, assoc. prof. indust. mgt, 58-60; asst. prof. prod. mgt, Chicago, 56-58; PROF. MGT. & CHMN. DEPT, LOYOLA (ILL), 60- U.S.N., 44-46. Acad. Mgt; Econ. Asn; Statist. Asn; Soc. Adv. Mgt; Polish Inst. Arts & Sci. Capital budgeting; production management; behavioral sciences; quantitative methods. Publ: Financial analysis of investment alternatives, Allyn & Bacon, 66; Production management, 2nd ed, McGraw, 68. Address: 9709 S. Bell Ave, Chicago, Ill. 60643.
- MAYER, PROF. ROBERT W(ALLACE), b. Mt. Pulaski, Ill, Apr. 17, 09. ECONOMICS. B.S. Illinois, 30, M.S. 31, Ph.D. 33. Instr. econ, Lehigh, 33-38, asst. prof, 38-42; economist, War Prod. Bd, 42-45; from assoc. prof. to PROF. FINANCE, ILLINOIS, URBANA, 45- Consult, Rand Corp, 51-53. Econ. Asn; Finance Asn. Investment; Swiss international investment trusts; financial analysis. Publ: Half life of the dollar, J. Econ. & Statist, 5/62; Swiss international investment trusts, 5/64 & Business risk and the earnings multiplier, 10/65, Financial Analysts J. Address: Dept. of Finance, University of Illinois, Urbana, Ill. 61801.
- MAYER, DR. RONALD W, b. Clyde, Ohio, July 3, 28. PSYCHOLOGY. B.A. Ohio Wesleyan, 51; M.A. Ohio State, 52, Ph.D.(psychol), 59. Asst. Ohio State, 52-54; instr. & jr. counsr. PSYCHOL, Washington State, 55-56; asst. Ohio State, 56-58; asst. prof, Auburn, 58-61, assoc. prof, 61-63; asst. prof, SAN FRANCISCO STATE COL, 63-67, ASSOC. PROF. & ASSOC. CHMN. DEPT, 67- Consult, Lee County Ment. Health Clin, Ala, 60-61; Off. Voc. Rehab, State of Ala, 60-63; Electronics for Ed, Md, 62-63; South. Bell Tel. & Tel. Co, Ga, 63; Sausalito Teacher Ed. Proj, Calif, 66. U.S.A., 54-56. Life mem. AAAS; Psychol. Asn; Soc. Hist. Tech; Ed. Res. Asn. Personality development; history of psychology in the United States; educational psychology. Publ: Co-auth, Alcohol Education Manual, State of Ala, 61; co-auth. & ed, Hist. of Psychol. Newsletter, 62-66; auth, Student workbook & Teacher's manual to accompany Educational psychology, Prentice-Hall, 68. Address: Dept. of Psychology, San Francisco State College, 1600 Holloway Ave, San Francisco, Calif. 94132.
- MAYER, PROF. THOMAS, b. Vienna, Austria, Jan. 18, 27; nat. ECONOMICS. B.A. Queens Col.(N.Y.), 48; univ. fel, Columbia, 49-50, M.A., 49, Ph.D. 53. Economist, U.S. Dept. Treas, 51-52, Off. Price Stabilization, 52, U.S. Bur. Mines, 53; vis. asst. prof. econ, West Virginia, 52-53; asst. prof. finance, Notre Dame, 54-56; from asst. prof. to PROF. ECON, Mich. State, 56-62; CALIFORNIA, DAVIS, 63-; vis. prof, 62-63. Vis. assoc. prof, California, 61-62. U.S.A., 44-45. Econ. Asn; Economet. Soc; Finance Asn; Royal Econ. Soc. Money and banking; economic theory. Publ: Monetary policy in the United States, Random, 68; The flexibility of monetary policy, 11/58; The propensity to consume permanent income, Am. Econ. Rev, 12/66. Address: Dept. of Economics, University of California, Davis, Calif. 95616.
- MAYER, DR. THOMAS F, b. Frankfurt, Germany, Sept. 27, 37; U.S. citizen; m. 61; c. 1. SOCIOLOGY. A.B. Oberlin Col, 59; Ph.D.(sociol), Stanford, 66. Instr. SOCIOL, MICHIGAN, 64-65, ASST. PROF, 65- Sociol. Asn. Stochastic models of social mobility. Address: Dept. of Sociology, University of Michigan, Ann Arbor, Mich. 48104.

MAYER, PROF. WALTER E(DWIN), b. Lima, Ohio, Sept. 21, 95; m. 33; c. 3. PSYCHOLOGY. A.B. Ohio Northern, 20; M.Ed. Pittsburgh, 33, Ph.D.(psychol. philos. of ed), 39. Teacher soc. sci. Rayen Sch, 20-48; PROF. PSYCHOL. & HEAD DEPT, YOUNGSTOWN, 48- Vis. prof. Alaska, 68. Psychol. Asn; assoc. Acad. Psychosom. Med; Soc.Clin. & Exp. Hypnosis; Soc. Clin. Hypnosis. Study of attitudes; psychology; use of hypnosis in psychology, mental health, education, sports and the arts. Publ: Study of consistency of attitudes. Address: 372 Fairgreen Ave, Youngstown, Ohio 44504.

MAYER-OAKES, DR. WILLIAM J(AMES), b. Oskaloosa, Iowa, Oct. 15, 23; m. 47; c. 3. ANTHROPOLOGY. A.M. Chicago, 49, Ph.D. 54. Field archaeologist, Carnegie Mus, Pa, 50-56; assoc. prof. anthrop. Toronto, 56-59; prof. anthrop. & dir. univ. mus. Oklahoma, 59-62; PROF. ANTHROP. MANITOBA, 62-; HEAD DEPT, 67-; head dept. anthrop. & sociol. 62-67. Consult, Nat. Mus. Can, 58- Mem. quaternary cmt, Nat. Res. Coun. Can, 66- U.S.A.A.F, 42-46, Lt. Fel. Anthropol. Asn; Soc. Am. Archaeol.(treas, 54-57) Archaeology of eastern and northern North America, Valley of Mexico and Highland Ecuador. Publ: Ed, Life, land and water, Univ. Manitoba, 67; Prehistory of the upper Ohio Valley; Excavations at El Risco, Mexico. Address: Dept. of Anthropology, University of Manitoba, Winnipeg 19, Man, Can.

MAYERS, DR. MARVIN K, b. Canton, Ohio, Oct. 25, 27; m. 52; c. 2. ANTHROPOLOGY, LINGUISTICS. B.A. Wheaton Col.(Ill), 49; B.D. Fuller Theol. Sem, 52; M.A. Chicago, 58, Ph.D.(anthrop), 60. Teaching asst. ling, Chicago, 59-60; asst. prof. ANTHROP. WHEATON COL.(ILL), 65-68, ASSOC. PROF, 68- Summers, field investr, Summer Inst. Ling, 53-65, teaching asst, Oklahoma, 57, assoc. prof, Washington (Seattle), 58- Anthropol. Asn; Ling. Soc. Am. Social and applied anthropology in Latin America; problems of translation involving two societies; application of principles of anthropology to the American scene, especially relating to the generation gap. Publ: Pocomchi texts, Univ. Oklahoma, 58; The Pocomchi, a sociolinguistic study, Dept. Anthropol. Univ. Chicago, 60; Languages of Guatemala, Mouton, Netherlands, 65, in Spanish, Seminario, Guatemala, 67. Address: Dept. of Anthropology, Wheaton College, Wheaton, Ill. 60187.

MAYES, DR. MARTIN, b. Richmond, Mo, July 3, 05. SOCIOLOGY. A.B. William Jewell Col, 28; B.J. Missouri, 29; Vienna, 31; Ph.D. Heidelberg, 34. Writer, ed. & publisher, 34-44; res. analyst, U.S. Strategic Bombing Surv, Europe, 45; U.S. Mil. Govt, Germany, 46, dep. chief ed. & relig. affairs br, Bavaria, 47-48; ed. adv. state cmnr. for Bavaria, U.S. Dept. State, 49-50; ed. br. chief, U.S. Dept. State, Munich, 51-52; staff aide, U.S. Senate, 53-54; Consult, U.S. Senate Subcm. to Investigate Juvenile Delinquency, 55-56; from chief, sch. laws sect. to spec. asst. ed. info, U.S. OFF. ED, 57-65, ED. INFO. SPECIALIST, BUR. HIGHER ED, 65- AAAS; Nat. Ed. Asn; fel. Social. Asn; Hist. Asn. Social research techniques; impacts of the media of communication. Publ: Youth employment and juvenile delinquency; Education and juvenile delinquency; Progress of public education in the United States of America. Address: 2000 S. Eads St, Arlington, Va. 22202.

MAYESKE, DR. GEORGE WALTER, b. Chicago, Ill, Sept. 9, 30; m. 56; c. 2. PSYCHOLOGY, EDUCATION. B.A. Illinois, Champaign-Urbana, 56, M.A., 58, Ph.D.(psychol), 62. RES. PSYCHOLOGIST, U.S. Naval Personnel Res. Activity, D.C, 61-62; U.S. Dept. Agr, 62-66; U.S. OFF. ED, DEPT. HEALTH, ED. & WELFARE, 66- U.S.A.F, 51-54. Psychol. Asn; Psychomet. Soc; Ed. Res. Asn. School and student attributes that contribute to school outcomes; occupational and organizational performance criteria. Address: 12524 Knowledge Lane, Bowie, Md. 20715.

MAYFIELD, DR. CLIFTON E(LVANS), b. Phila, Pa, July 10, 18; m. 53; c. 4. PSYCHOLOGY. B.S. Lafayette Col, 40; M.S. Purdue, 47; Ph.D. Pennsylvania, 57. Asst. prof. psychol, Dickinson Col, 54-58, assoc. prof, 58-60; sr. res. psychologist, FRANKLIN INST. RES. LABS, 60-66; PRIN. SCIENTIST, 66-; DIR. CENTER ED. & COMMUN. STUDIES, 67- Psychol. Asn; Research Soc. Operations research; thinking; communications; educational research and evaluation. Address: 515 S. 41st St, Philadelphia, Pa. 19104.

MAYFIELD, DR. EUGENE C(UNIFFE), b. Chicago, Ill, Aug. 9, 32. INDUSTRIAL PSYCHOLOGY. B.A. Grinnell Col, 54; M.A. Minnesota, 55; Ph.D. Purdue, 60. Asst. prof. psychol, Dickinson Col, 54-58; asst. prof. dir, LIFE INS. AGENCY MGT. ASN, 60-63, assoc. prog. dir, 63-65, PROG. DIR, 65- U.S.A. 55-57. Psychol. Asn. Test construction and validation; interview research; criterion problems; experimental design and application to selection studies in life insurance. Publ: The selection interview—a reevaluation of published research, 64 & co-auth, Selection interview decisions: first results from a long-term research project, 66, Personnel Psychol. Address: Life Insurance Agency Management Association, 170 Sigourney St, Hartford, Conn. 06105.

MAYFIELD, DR. ROBERT C(HARLES), b. Abilene, Tex, Oct. 15, 28; m. 52; c. 4. GEOGRAPHY. B.A. Texas Christian, 52; M.A. Indiana, 53; Ph.D. Washington (Seattle), 61. Lectr, Indiana, 54-56; asst. prof. Southeast. State Col, 58-61; assoc. prof. GEOG, Texas Christian, 61-64; TEXAS. AUSTIN, 64-68, PROF, 68-; acting chmn, dept, 67-68. Fulbright-Hays fel, Off. Ed, Bangalore, Mysore, 66-67; Agr. Develop. Coun. summer grant, 68. Mem. for. field res. prog, Nat. Acad. Sci-Nat. Res. Coun, 57-58; pilot proj. for simulation of innovation diffusion, Punjab-Gujarat-Mysore, 65. U.S.A.F, 46-49. Asn. Am. Geog; Am. Geog. Soc; Nat. Coun. Geog. Ed; Regional Sci. Asn; Asn. Asian Studies. Location theory in economic and urban geography; South Asia; innovation diffusion. Publ: The spatial structure of a selected interpersonal contract: a regional comparison of marriage distances in India, In: Tech. Report 6, Spatial diffusion study, 67 & A central place hierarchy in northern India, In: Quantitative geography, Vol. 1, 67, Northwestern Univ; The range of a central good in the Indian Punjab, Ann. Asn. Am. Geog, 3/63. Address: Dept. of Geography, University of Texas, Austin, Tex. 78712.

MAYHEW, DR. DAVID R(AYMOND), b. Putnam, Conn, May 18, 37. POLITICAL SCIENCE. B.A. Amherst Col, 58; Woodrow Wilson fel, Harvard, 58-59, Ph.D.(govt), 64. Instr. govt, Massachusetts, Amherst, 63-64, asst. prof, 64-67, vis. asst. prof, 65-66; ASST. PROF. POLIT. SCI, YALE, 68- Am. Polit. Sci. Asn. cong. fel, 67-68. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Relation between institutional processes and policy outcomes in the United

States Congress; political parties; American national government. Publ: Party loyalty among congressmen: the difference between Democrats and Republicans, 1947-1962, Harvard, 66; co-auth, Institutions and practices of American government, Allyn & Bacon, 67. Address: 3238 Morse College, Yale University, New Haven, Conn. 06520.

MAYHEW, DR. LEON H(INCKLEY), b. Ogden, Utah, May 15, 35; m. 56; c. 3. SOCIOLOGY. A.B. California, Berkeley, 56; M.A. Harvard, 60, Ph.D.(soc. rels), 64. Instr. SOCIOL. MICHIGAN, 62-64, asst. prof, 64-66, ASSOC. PROF, 66- U.S.N. 56-58, Lt.(jg). Sociol. Asn; Soc. Study Social Probs. Sociological theory; law and society. Publ: Law and equal opportunity, Harvard, 68; Legal systems & Society, In: International encyclopedia of the social sciences, 68. Address: Dept. of Sociology, University of Michigan, Ann Arbor, Mich. 48104.

MAYHEW, ROBERT R(OYCE), b. Logansport, Ind, Feb. 14, 15; m. 36; c. 1. SOCIOLOGY. A.B. Eastern Michigan, 38; A.M. Wayne, 40; cert, Detroit Inst. Tech, 42; Indiana, 47-49; N.Y. Univ, 49-51; fel, Georgia, 67. From valuation aide to valuator, Fed. Housing Admin, 40-42; Instr, Detroit Inst. Tech, 43; nat. secy, Chicago Soc. Residential Appraisers, 43-44; housing mgr, U.S. Pub. Housing Authority, 44; assoc. prof. sociol. & head dept, Franklin Col, 45-47; asst. prof, Bridgeport, 47-51; staff appraiser, Vet. Admin, 51-52, chief appraiser, 53; lectr, Quinnipiac Col, 52; field valuator, Fed. Housing Admin, 54-58, supv. appraiser, Wash, D.C, 59; asst. regional appraiser, Gen. Serv. Admin, Chicago, 59-62, regional appraiser, 62-68; ASST. PROF, CHICAGO CITY COL, 68-; DEAN FACULTY & COORDINATOR REAL ESTATE INST, BUS. TRAINING CENTER, INC, DES PLAINES, 68- Lectr, eve. div, Libertyville High Sch, 56-68. Sociol. Asn; Real Estate & Urban Econ. Asn. Urban society; city planning; urban land economics. Publ: Special purpose appraising, Appraisal Rev, 10/66. Address: 630 Hampton Terr, Libertyville, Ill. 60048.

MAYMAN, PROF. MARTIN, b. New York, N.Y, Apr. 2, 24; m. 60; c. 2. PSYCHOLOGY. B.S. City Col. New York, 43; M.A. N.Y. Univ, 47; Ph.D.(psychol, sociol), Kansas, 53. Clin. instr. sch. psychiatrist, Menninger Found, 47-66, dir. psychol. training, 51-66; PROF. PSYCHOL, MICHIGAN, 66- Mem. faculty, Topeka Inst. Psychoanal. Chmn. psychol. intern field-training cmt, Winter Vet. Admin. Hosp, 48-51. Dipl. Am. Bd. Exam. Prfnl. Psychol, 53. Psychol. Asn; Soc. Proj. Tech.(pres, 66-67). Diagnostic testing and the logic of clinical inference; self-concept theory; psychoanalytic ego psychology; psychotherapy; psychoanalysis. Publ: Co-auth, Manual for psychiatric case study, Grune, 62; The vital balance, Viking, 63; Early memories and character structure, J. Proj. Techniques, 68. Address: Dept. of Psychology, University of Michigan, 1027 E. Huron, Ann Arbor, Mich. 48104.

MAYNARD, PROF. ALBERT DOUGLAS, Sociol, Polit. Philos, see 10th ed, Soc. & Behav. Vols.

MAYNARD, DR. HAROLD BRIGHT, b. Northampton, Mass, Oct. 18, 02; m. 28; c. 2. BUSINESS MANAGEMENT. M.E. Cornell, 23; LL.D. Miami (Fla), 56. From trainee to supt. prod. steam div, Westinghouse Elec. Corp, 23-29; study of indust. probs, U.S. & Europe, 29-34; PRES, H.B. MAYNARD & CO, 34-60, MAYNARD RES. COUN, INC, 60- Consult, Secy. War, 44. Pres, Maynard Found; Coun. Int. Prog. Mgt, 48-49. Mem, exec. cmt, Int. Cmt. Sci. Mgt, 47-52, Wallace Clark award, 56; mem. adv. group European prod, Mutual Security Agency, 52. Mgt. Asn; Soc. Adv. Mgt.(v.pres, 44-46, pres, 46-47, Gilbreth medal, 46); Asn. Consult. Mgt. Eng.(v.pres, 51-52, pres, 60-62); Soc. Mech. Eng.(Melville medal, 49); Arbit. Asn; Indust. Reels. Res. Asn. (Taylor Key award, 64, Gantt medal, 65); hon. mem. Inst. Indust. Eng. Organization and administration in industry, sales management, human relations and training. Publ: Co-auth, Time and motion study and formulas for wage incentive; ed, Industrial engineering handbook & Handbook of business administration, McGraw, 67. Address: Maynard Research Council, Inc, 718 Wallace Ave, Pittsburgh, Pa. 15221.

MAYNARD, DR. HUGO, b. Port of Spain, Trinidad, W.I, Oct. 22, 33; U.S. citizen; m. 60; c. 2. PSYCHOLOGY. A.B. California, Berkeley, 59; Nat. Sci. Found. fel, Oregon, 60, Pub. Health Serv. fel, 62, M.A., 64, Ph.D.(psychol), 66. Trainee PSYCHOL, Vet. Admin. Hosp, Palo Alto, Calif, 60-62 & 63; RES. ASSOC, Stanford, 64-67; PORTLAND STATE COL, 67- Summer instr, Oregon, 63. Consult, dept. psychiat, Harlem Hosp. Centre, 66. U.S.A. 53-61, S/Sgt. Experimental social innovation. Publ: Co-auth, Chap. 12, In: Social psychology in treating mental illness, Wiley, 64 & Group therapy: a comparison of patient-led and staff-led groups on an open hospital ward, Psychiat. Quart. Suppl, 64; Forming semi-autonomous groups in a hospital setting, In: Rehabilitating the narcotic addict, U.S. Govt. Printing Off, 67. Address: Dept. of Psychology, Portland State College, Portland, Ore. 97207.

MAYNARD, DR. RUTH SHALLCROSS, b. Lyons, Nebr, Sept. 28, 06; m. 36; c. 2. ECONOMICS, POLITICAL ECONOMY. A.B. Nebraska, 29; fels, Bryn Mawr Col, 30-31 & 36-38, M.A. & Ph.D.(econ), 38. Asst. to head women's div, New York, Labor Dept, 31-36; res. dir, Nat. Fedn. Bus. Prfnl. Women's Clubs, 38-40; dir. res. & statist, pulp & paper div, War Prod. Bd, 42-45; economist & res. assoc, Inst. Paper Chem, 46-51, consult, 51-55; from instr. to ASSOC. PROF. ECON, LAKE ERIE COL, 56- Consult, Hawaiian Planters Asn, 51-55. Econ. Asn. Publ: Industrial homework, Indust. Affairs Pub, 39; Should married women work? Pub. Affairs Pamphlets, Number 49, 40; A planned economy: good or bad? Sci. Monthly, 11/50. Address: Dept. of Economics, Lake Erie College, Painesville, Ohio 44077.

MAYNE, PROF. F(RANCIS) BLAIR, b. Mt. Carmel, Ill, Nov. 29, 07; m. c. 2. BUSINESS ADMINISTRATION. B.S. Illinois, 31; M.S. Wyoming, 33; Ph.D. (bus. ed), N.Y. Univ, 42. V.prin, Packard Sch, New York, 37-46; prof. bus. ed, Wyoming, 46-48; prof. bus. ed. & chmn. div. bus. admin, SACRAMENTO STATE COL, 48-50, exec. dean, 50-62, admin. v.pres, 62-66, PROF. BUS. ADMIN, ACCT. & BUS. ED, 66- Admin. Mgt. Soc; Am. Acct. Asn; Nat. Bus. Ed. Asn. Business education; accounting; management. Publ: Co-auth, Business mathematics for colleges & Accounting for secretaries; ed, American business education yearbook. Address: Dept. of Business Administration, Sacramento State College, 6000 J St, Sacramento, Calif. 95819.

MAYNE, J(OHN) W(INSTON), Math. Statist, see 11th ed, Phys. & Biol. Vols.

MAYNE, DR. LUCILLE S(TRINGER), b. Washington, D.C., June 6, 24; div; c. 3. BUSINESS ADMINISTRATION, ECONOMICS. B.S., Maryland, 46; M.B.A., Ohio State, 49; Ph.D. (bank profitability), Northwestern, 66. Instr. finance, Utica Col, Syracuse, 49-50; anal. statistician, Air Material Command, Ohio, 50-52; lectr. FINANCE, Roosevelt, 61-64; ASST. PROF., PA. STATE, 65- Finance Asn. Bank profitability and capital structure. Publ: The effect of Federal Reserve System membership on the profitability of Illinois banks, 1961-1963, Center Res. Col. Bus. Admin, Pa. State Univ, 67; The cost of Federal Reserve System membership, Am. Bankers Asn, 67. Address: Dept. of Finance, College of Business Administration, Pennsylvania State University, University Park, Pa. 16802.

MAYNES, DR. E(DWIN) SCOTT, b. Meriden, Conn, Oct. 6, 22; m. 53. ECONOMICS. B.S., Springfield Col, 47; Rich-White fel. & M.A., Wesleyan, 49; Ph.D. (econ), Michigan, 56. Asst. study dir, surv. res. center, Michigan, 49-53, study dir, 53-56, from asst. prof. to PROF. ECON, MINNESOTA, MINNEAPOLIS, 56- Econ. consult, Nat. Coun. Appl. Econ. Res, India, 58-59; statist. consult, U.S. Bus. Census, 62-; econ. consult, Econ. Res. Center, Buenos Aires, Argentina, 65-66. Mem. adv. cmt, surv. res. center, Michigan, 66-; adv. cmt. consumer expectations, Nat. Bur. Econ. Res, 67- U.S.A.A.F. 43-45. Econ. Asn; Statist. Asn; Economet. Soc. Consumer behavior; survey research; economic systems. Publ: Consumer attitudes and buying intentions: retrospect and prospect, Inst. Soc. Res, Univ. Michigan, 68; co-auth, Factors associated with the use of consumer credit, In: Federal Reserve Board consumer instalment credit, Vol. II, 56 & The effect of mismatching on the measurement of response errors, J. Am. Statist. Asn, 12/65. Address: Dept. of Economics, University of Minnesota, Minneapolis, Minn. 55455.

MAYO, DR. CHARLES GEORGE, b. Long Beach, Calif, Aug. 1, 31; m. 53; c. 1. POLITICAL SCIENCE. A.B., Reed Col, 53; A.M., Southern California, 60, Ph.D. (polit. sci), 63. Instr. polit. sci, Southern California, 62-63; asst. prof, San Francisco State Col, 63-66; asst. prof. polit. sci. & assoc. dean grad. sch, SOUTHERN CALIFORNIA, 66-68, ASSOC. PROF. POLIT. SCI. & DEAN GRAD. SCH, 68- Polit. Sci. Asn. American politics and political processes, especially political parties. Publ: Co-auth, Dimensions of political analysis: an introduction to the contemporary study of politics, Prentice-Hall, 66 & American political parties: a systemic perspective, Harper, 67; auth, The 1961 mayoralty election in Los Angeles: the political party in a nonpartisan election, West. Polit. Quart, 64. Address: University of Southern California Graduate School, University Park, Los Angeles, Calif. 90007.

MAYO, DR. CLARA A(LEXANDRA), b. Austria, Sept. 13, 31; nat; m. 53. SOCIAL PSYCHOLOGY. A.B., Cornell, 53; M.A., Wellesley Col, 55; Ph.D., Clark, 59. Asst. Wellesley Col, 53-55; Clark, 55-59; fel. soc. psychol, Vet. Admin. Hosp, Brockton, 59-60, soc. psychologist, Boston, 60-67; asst. prof, BOSTON UNIV, 64-67, ASSOC. PROF, 68-; RES. ASSOC. SCH. MED, HARVARD, 67- Lectr, Boston, 61-64. Psychologist, Mass. Gen. Hosp, 61-; consult, Worcester State Hosp, 64- AAAS; Psychol. Asn. Inter-personal perception; group processes; social psychology; community mental health theory and practice. Publ: Co-auth, Family experiences in operation exodus: the bussing of Negro children, Community Ment. Health Monogr. 3, 67. Address: Hesperus Ave, Magnolia, Mass. 01930.

MAYO, DR. G(EORGE) DOUGLAS, b. Somerville, Tenn, Feb. 3, 17; m. 42; c. 1. PSYCHOLOGY. Ph.D. (psychol), Ohio State, 49. Assoc. prof. psychol, Birmingham-South. Col, 48-50; HEAD PERSONNEL & TRAINING RES. STAFF, CHIEF NAVAL AIR TECH. TRAINING, U.S. DEPT. NAVY, 50-, DIR, NAVY TRAINING RES. LAB. BR. OFF, 65- U.S.N., 42-46. Psychol. Asn. Personnel and training; programmed and computer assisted instruction. Publ: Co-auth, A comparison of the racial attitudes of white and Negro high school students in 1940 and 1948, J. Psychol; A new type of true-false item, Psychol. Rep; Effect of temperature upon technical training, J. Appl. Psychol. Address: 3148 Homewood Dr, Memphis, Tenn. 38128.

MAYO, DR. LOUIS H(ARKEY), Law, Pub. Affairs, see 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.

MAYO, ROBERT P(ORTER), b. Seattle, Wash, Mar. 15, 16; m. 42; c. 4. ECONOMICS. A.B., Washington (Seattle), 37, M.B.A., 38. Dir. res, State Tax Cmn, Wash, 38-39, auditor, 40; economist res. & statist, U.S. Dept. Treas, 41-48, asst. dir, off. tech. staff, 49-52, chief anal. staff, debt div, 53-58, asst. to Secy. of Treas, 59-60; V.PRES, CONTINENTAL ILL. NAT. BANK & TRUST CO. CHICAGO, 60- Staff dir, President's Cmn. Budget Concepts, 67. Econ. Asn; Finance Asn; Asn. Bus. Econ; Inst. Chartered Financial Anal. Debt management; monetary and fiscal policies; investments. Address: 33 Little Marryat Rd, Trout Valley, Cary, Ill. 60013.

MAYO, PROF. SAMUEL T(URBERVILLE), b. Century, Fla, Dec. 25, 21; m. 49; c. 1. EDUCATIONAL PSYCHOLOGY. B.E.E., Auburn, 43; M.A., Emory, 51; Ph.D., Minnesota, 56. Asst. bur. ed. res, Minnesota, 51-54; dir. div. ed. measurements, coun. dent. ed, Am. Dent. Asn, 55; from instr. to PROF. ED, LOYOLA (ILL), 55- Vis. assoc. prof, Southern California, summer, 62; U.S. Off. Ed. coop. res. prog. grant, 63-67; U.S. Off. Ed. ed. res. training grant, 66-68. U.S.N., 43-46, Lt. AAAS; Psychol. Asn; Statist. Asn; Psychomet. Soc; Nat. Coun. Measurement in Ed. (treas, 65-). Continuity analysis; human learning; psychological test theory; achievement test construction; experimental design; power boating; navigation. Publ: Toward strengthening the contingency table as a statistical method, Psychol. Bull, Interaction among categorical variables, Ed. & Psychol. Measurement: Pre-service preparation of teachers in educational measurement, Bur. Res, U.S. Off. Ed, 12/67. Address: 2525 Park Lane, Glenview, Ill. 60025.

MAYO, PROF. SELZ C(ABOT), b. Mesic, N.C., Sept. 20, 15. RURAL SOCIOLOGY. A.B., Atlantic Christian Col, 35; M.S., N.C. State Col, 38; Ph.D., North Carolina, 42. Assoc. prof. RURAL SOCIOLOGY, N.C. STATE, 39-55, PROF, 55-, HEAD DEPT, 60- Address: Dept. of Sociology & Anthropology, North Carolina State University, Raleigh, N.C. 27607.

MAYOR, DR. THOMAS H, b. San Antonio, Tex, Mar. 5, 39; m. 61; c. 1. ECONOMICS. B.A., Rice, 61; fel, Brookings Inst, 64-65; Ph.D. (econ), Maryland, 65. ASST. PROF. ECON, MARYLAND, 65- Consult, U.S. Geol. Surv, 66-68. Econ. Asn; Royal Econ. Soc. Publ: The decline in the U.S. capital-output ratio, Econ. Develop. & Cultural Change, 7/68. Address: Dept. of Economics, University of Maryland, College Park, Md. 20742.

MAYRAND, DR. FRED RENE, Psychol, see 10th ed, Soc. & Behav. Vols. Latest known address: 201 E. 25th St, New York, N.Y. 10010.

MAYS, DR. LUTHER L(IVINGSTON), Psychol, see 10th ed, Soc. & Behav. Vols.

MAYZNER, PROF. M(ARK) S(TANLEY), b. Asbury Park, N.J., Mar. 22, 25; m. 56. PSYCHOLOGY. A.B., N.Y. Univ, 52, A.M., 54, Ph.D. (psychol), 55. Mem. tech. staff, Bell Tel. Labs, Inc, 55-60; asst. prof. psychol, Southern California, 61-63; PROF. INDUST. ENG. & OPER. RES, N.Y. UNIV, 63- Consult, Syst. Develop. Corp, Calif, 61-65. AAAS; Psychol. Asn; Psychonomic Soc; Human Factors Soc; Inst. Elec. & Electronics Eng. Experimental psychology; human factors; information processing. Publ: Co-auth, Anagram solution times: a function of multiple-solution anagrams, J. Exp. Psychol, 66; A research strategy for studying certain effects of very fast sequential input rates on the visual system, 67 & A provisional model of visual information processing with sequential inputs, 67, Psychonomic Monogr. Suppl. Address: 15 Sydney Ave, Deal, N.J. 07723.

MAZER, DR. MILTON, b. New York, N.Y., Mar. 5, 11; m. 49; c. 2. PSYCHIATRY. B.A., Pennsylvania, 32, M.D., 35; cert, Wm. Alanson White Inst, 51. Assoc. & chief cardiologist, cardiovascular res. unit, Vet. Admin, 41-43; lectr. psychol, N.Y. Univ, 49-54, assoc. prof, 54-61; DIR, MARTHA'S VINEYARD GUID. CENTER, 61- Assoc. psychoanal, Wm. Alanson White Inst. Psychoanal, 53-60, fel, 60-; asst. psychiatrist, Mass. Gen. Hosp, 62-; Nat. Inst. Ment. Health res. grant, 64-69. Consult, Vet. Admin. Hosp, Bronx, N.Y., 49-55; Martha's Vineyard Hosp, 62- U.S.A.A.F. 43-46, Capt. AAAS; fel. Psychiat. Asn; fel. Acad. Psychoanal. (ed. Newsletter, 57-59); Pub. Health Asn. Community and social psychiatry; psychiatric epidemiology. Publ: A psychiatric and parapsychiatric register for an island community, Arch. Gen. Psychiat, 4/66; Psychiatric disorders in general practice, Am. J. Psychiat, 11/67; Personality and social class position in migration from an island, Int. J. Soc. Psychiat, (in press). Address: Box 946, Edgartown, Mass. 02539.

MAZLISH, DR. BRUCE, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MAZOUR, PROF. ANATOLE G, European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MAZUR, PROF. D(ENIS) PETER, b. Warsaw, Poland, Apr. 8, 24; nat; m. 58. DEMOGRAPHY. M.A., Colorado, 54; Ph.D., Washington (Seattle), 60. Statistician, pop. br, U.S. Bur. Census, D.C., 56-57; PROF. SOCIOL. & DEMOG, WEST. WASH. STATE COL, 67- Assoc. res. officer, pop. bur, soc. & econ. affairs div, UN, 61-62; vis. assoc. prof. demog, div. biostatist. & vis. res. assoc. demographer, Inst. Pop. & Urban Res, California, Berkeley, 65-66. AAAS; Pop. Asn; Statist. Asn; Int. Union Sci. Study of Pop. Techniques of research and analysis in demography; development of statistical models; study area of the USSR, Asia and Europe with emphasis on the mortality and fertility components of population change. Publ: Demographic model for estimating age-order specific fertility rates, J. Am. Statist. Asn, 9/63; The graduation of age-specific fertility rates by order of birth of child, Human Biol, 2/67; Reconstruction of fertility trends for the female population of the USSR, Pop. Studies, 7/67. Address: Dept. of Sociology & Anthropology, Western Washington State College, Bellingham, Wash. 98225.

MAZURKIEWICZ, DR. ALBERT J(OSEPH), b. Shenandoah, Pa, Mar. 1, 26; m. 53; c. 1. EDUCATIONAL PSYCHOLOGY. B.A., Ursinus Col, 50; M.A., Pennsylvania, 51; Ed.D., Temple, 57. Dir. reading clin, Valley Forge Mil. Acad, 51-52; room supvr, reading clin. lab. sch, Temple, 53-55; dir. reading clin, Lehigh, 55-66, I.T.A. Studies Center, 63-66; CHMN. DEPT. ED, NEWARK STATE COL, 66- Proj. dir. I.T.A. lang. arts study, Bethlehem Pub. Schs, 66-68. Consult, State reading adv. cmt, Pa, 50-62; Oak Lane Country Day Sch, 54-55. Med.C., U.S.A., 44-46. Psychol. Asn; Ed. Res. Asn; Nat. Coun. Res. English. Reading comprehension; motivation, listening, interest factors and reading achievement; use of the initial teaching alphabet in reading and writing instruction. Publ: Co-auth, Early to read, I.T.A. series, 63, 64, 65, auth, New perspectives in reading instruction, 64 & co-auth, Learning with language programs, 66, Pittman. Address: 210 Lorraine Dr, Berkeley Heights, N.J. 07922.

MAZURKIEWICZ, DR. JOSEPH F(RANCIS), b. Shenandoah, Pa, Apr. 16, 31; m. 57; c. 1. CLINICAL PSYCHOLOGY, CRIMINOLOGY. B.S., Pa. State, 52, M.S., 53, Ph.D. (clin. psychol), 57. Staff psychologist, State Hosp, Wernerville, Pa, 55; from staff psychologist, state indust. sch. to sr. psychologist, state penitentiary, bur. correction, Dept. Justice, Commonwealth of Pa, 56-57; asst. prof. criminal, Pa. State, 58-59; chief clin. psychologist, State Youth Serv. Cmn, 59-61, asst. dir. treatment & training, 61-65; DIR. EAST. CORRECTIONAL DIAG. & CLASSIFICATION CENTER & DIR. TREATMENT SERV, STATE CORRECTIONAL INST, PHILA, 65- Consult, Centre County Courts, Pa, 57-59. Psychol. Asn. Psychotherapy; projective psychodiagnostic testing; diagnosis, etiology and treatment of mental illness; diagnosis, causation and treatment of juvenile delinquency; criminal abnormal behavior; prevention of delinquency; correctional diagnosis and administration. Address: Eastern Correctional Diagnostic & Classification Center, 2107 Fairmount Ave, Philadelphia, Pa. 19130.

MAZZE, DR. EDWARD M, b. New York, N.Y., Feb. 14, 41; m. 67. BUSINESS ADMINISTRATION, ECONOMICS. B.B.A., City Univ. New York, 61, M.B.A., 62; Ford fel, N.Y. Univ, 62-63; Ph.D. (bus. admin), Pa. State, 66. Lectr. bus. admin, City Univ. New York, 61-62; instr. MKT, Pa. State, 63-66; ASSOC. PROF., Detroit, 66-68; WEST VIRGINIA, 68- Consult, Holt, Rinehart & Win-

ston, 64-; Jam Handy Orgn, 67-; Chevrolet Growth & Perspective Progs, 67-; Sinclair Acad. Mod. Mkt. Mgt, 67-; Coca Cola Fountain Sales Div, 67-Acad. Mgt; Mkt. Asn; Soc. Adv. Mgt. Economic and social issues of marketing and advertising. Publ: Co-auth, Marketing in action, Wadsworth, 63, rev. ed, 68 & Sales management: theory and practice, Pitman, 65; auth, International marketing administration, Chandler, 67. Address: College of Commerce, West Virginia University, Morgantown, W.Va. 26506.

MEAD, LT. COL. DANA G(EOGE), U.S.A. b. Cresco, Iowa, Feb. 22, 36; m. 58; c. 2. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.S. U.S. Mil. Acad, 57; Ph.D.(polit. sci), Mass. Inst. Tech, 67. U.S. ARMY, 57-, platoon leader & ops. officer, 82nd Airborne Div, Ft. Bragg, N.C. 57-59, aide-de-camp, Asst. Div. Comdr, 3rd Armored Div, Frankfurt, Germany. 59-62, commanding officer, Co. A, 33rd Armor, Ft. Knox, Ky. 63-64, ASST. PROF. NAT. SECURITY & EXEC. OFFICER, DEPT. SOC. SCI. U.S. MIL. ACAD, 66- National military strategic planning; military role in counter-insurgency operations and identification of political objectives. Address: Dept. of Social Sciences, U.S. Military Academy, West Point, N.Y. 10996.

MEAD, DR. MARGARET, b. Philadelphia, Pa, Dec. 16, 01; m. 36; c. 1. ANTHROPOLOGY. A.B. Columbia, 23, A.M. 24, Nat. Res. Coun. fel. 25-26, Soc. Sci. Res. Coun. fel. 28-29, Ph.D.(anthrop), 29; hon. D.Sc. Wilson Col, 40, Elmira Col, 47, West. Col. Women, 55, Leeds, 57; hon. LL.D. Rutgers, 41; hon. L.H.D. Kalamazoo Col, 57, Skidmore Col, 58. Asst. curator ethno., Am. Mus. Natural Hist, 26-42, assoc. curator, 42-64, curator, 64-69; PROF. ANTHROP. & CHMN. SOC. SCI. DIV. LIBERAL ARTS COL, FORDHAM, SEPT, 69-, consult, soc. sci. div, 68-69. Vis. lectr, Vassar Col, 39-41; lectr, N.Y. Univ, 40; dir, Wellesley Sch. Community Affairs, 44; lectr, teachers col, Columbia, 47-51, dir. res. contemporary cultures, 48-50, guest prof, univ, 52-53, adj. prof, 54-; dir. studies contemporary cultures, Am. Mus. Natural Hist, 51-53; vis. prof. col. med, Cincinnati, 57-; Sloan vis. prof, Menninger Found, 59- Gimbél lectr, Stanford & Univ. California, 46; lectr, Harvard Seminar Am. Civilization, Salzburg, Austria, 47; Mason lectr, Birmingham, Eng, 49; Inglis lectr, grad. sch. ed, Harvard, 50; lectr, int. seminar ment. health & infant develop, World Fedn. Ment. Health, Eng, 52; Terry lectr, Yale & Jones lectr, Brit. Psychoanal. Soc, 57. Exec. secy. cmt. food habits, Nat. Res. Coun, 42-45. Mem. exped, Samoa, 25-26; Manus tribe, Admiralty Islands, 29, 53, 64, 65 & 67; Am. Indian tribe, 30; New Guinea, 31-33, 38; Bali, 36-38, 57-58; Iatmul, New Guinea, 38, 67. Nat. achievement award, 40; Women Geogr. medal, 42; Viking medal gen. anthrop, Wenner-Gren Found, 57. AAAS(mem. dir. dirs, 55); Soc. Appl. Anthropol.(pres, 49); Anthropol. Asn.(pres, 60); Ethnol. Soc; Soc. Women Geog; Orthopsychiat. Asn; Inst. Intercult. Studies(secy, 49-); N.Y. Acad. Sci.(v.pres, 66-); World Fedn. Ment. Health (pres, 56-57). Cultural anthropology; oceanic ethnology; cultural character; primitive societies as living models for study of cultural processes; cultural patterning of biological processes. Publ: Male and female, Morrow, 49; Growing up in New Guinea, Morrow, 30 & Apollo, 62; Coming of age in Samoa, Morrow, 28, Apollo, 61 & Dell, 68. Address: Social Science Division, Liberal Arts College, Fordham University, New York, N.Y. 10007.

MEAD, DR. WALDO BRUCE, b. Cedar Rapids, Iowa, May 25, 34. POLITICAL SCIENCE. A.B. Carleton Col, 56; Rockefeller fel, Yale, 56-60, B.D. 60; Lilly fels, Duke, 60-68, M.A. 62, Ph.D.(polit. theory), 68. Instr. POLIT. SCI, Lake Forest Col, 63-67; ASST. PROF, ILLINOIS STATE, 67-, summer res. grant, 68. Polit. Sci. Asn. Political extremism and social irresponsibility; church and state relations. Publ: Political extremism, Ill. Synod Presby Church, Springfield, 66. Address: Dept. of Political Science, Illinois State University, Normal, Ill. 61761.

MEAD, PROF. WALTER J(OSEPH), b. Nehalem, Ore, May 6, 21; m. 47; c. 5. ECONOMICS. A.B. Oregon, 48, Carnegie fel, 49-51, Ph.D.(econ), 52; M.A. Columbia, 50. Asst. prof. econ, Lewis & Clark Col, 51-56; asst. field dir, Cmt. Econ. Develop, 56-57; asst. prof. ECON, CALIFORNIA, SANTA BARBARA, 57-59, assoc. prof, 59-66, PROF, 66- Consult, Fed. Trade Cmn, 67-, U.S. Bur.Budget, 67- Chmn, Gov. Adv.Cmt. Unemployment, Compensation, Ore, 54-55; mem. nat. adv. coun, Natural Resources J, 67- U.S.N. 42-45. Econ. Asn. Industrial organization. Publ: Mergers and economic concentration in the Douglas fir lumber industry, U.S. Forest Serv, 64; Competition and oligopsony in the Douglas fir lumber industry, Univ. California, 66; Competitive significance of joint ventures, Antitrust Bull, fall 67. Address: Dept. of Economics, University of California, Santa Barbara, Calif. 93106.

MEAD, DR. WILLIAM R, b. Berwyn, Ill, Nov. 30, 36. PHYSIOLOGICAL PSYCHOLOGY. B.A. Southern Illinois, 60; Ph.D.(psychol), Indiana, 67. ASST. PROF. PSYCHOL, ILLINOIS, URBANA, 66- Physiology of vision. Address: 1407 S. Vine, Urbana, Ill. 61801.

MEADE, PROF. E(DWARD) GRANT, b. Philadelphia, Pa, Apr. 6, 14; m. 49; c. 5. POLITICAL SCIENCE. A.B. Dartmouth Col, 35; M.A. Wisconsin, 36; Fletcher fel, Fletcher Sch. Law, 36-38, M.A.L.D. 38; Ph.D.(polit. sci), Pennsylvania, 48; Air War Col, 60-61. Chief, bur. info. & pub. rels, S.Cholla Province, Korea, U.S. Navy, 45-46, pub. info. officer, amphibious force, U.S. Atlantic Fleet, Va, 48-51, dir. pub. rels, Supreme Allied Comdr. Atlantic, 51-55; U.S. cultural attache, Thailand, 55-56, attache for pub. affairs, 56-60; Nigeria, 61-64; PROF. POLIT. SCI, OLD DOM. COL, 65-, CHMN. DEPT. POLIT. SCI. & GEOG, 66- Instr, Haverford Col, 46-47, chmn. dept. polit. sci, 47-48; spec. prof, Chulalongkorn, Bangkok, 56-60. U.S.N. 41-46, 48-55, Comdr. Polit. Sci. Asn; Soc. Int. Law; Hist. Asn; Acad. Polit. & Soc. Sci. Public relations; public opinion; communications; propaganda analysis; American foreign policy; comparative ideology; international politics. Publ: American military government in Korea. Address: 1000 Cambridge Crescent, Norfolk, Va. 23508.

MEADE, MARVIN, Polit. Sci, see 10th ed, Soc. & Behav. Vols.

MEADE, PROF. ROBERT D, b. Washington, Ind, Apr. 9, 27. EXPERIMENTAL PSYCHOLOGY. A.B. Indiana, 50; A.M. Pennsylvania, 52, Ph.D.(psychol), 58. Instr. PSYCHOL, Pennsylvania, 51-55; asst. prof, Trinity Col, 55-60, assoc.

prof, 60-65; WEST. WASH. STATE COL, 65-67, PROF, 67- Fulbright prof, Agra, 64-65; spec. lectr, U.S. Info. Serv, India, 64-65; res. assoc, Univ. Col. Rhodesia & Nyassaland, 65. Grants, Nat. Inst. Ment. Health, 59-61; Behav. Res. Coun, 62-63; Off. Naval Res, 68-69. Res. psychologist, Frankford Arsenal, 54-55. Psychol. Asn; Int. Coun. Psychol; Indian Sci. Cong. Asn. Motivation; psychological theory; psychological time; cross-cultural research; psychological research methodology. Publ: Effect of motivation, goal distance and rate of progress on time estimates, J. Exp. Psychol, 59; Achievement motivation, achievement and psychological time, J. Personality & Soc. Psychol, 66; An experimental study of leadership in India, J. Soc. Psychol, 67. Address: Dept. of Psychology, Western Washington State College, Bellingham, Wash. 98225.

MEADER, OLIVE R(OOT), Pub. Health, see 11th ed, Phys. & Biol. Vols.

MEADERS, DR. W(ILSON) E(LLIS), JR, b. Ft. Worth, Tex, Mar. 2, 33; m. 55; c. 2. CLINICAL PSYCHOLOGY. B.A. Southern Methodist, 53; Carnegie Found. fel, North Carolina, 53-54, U.S. Pub. Health Serv. fels, 54-55, 56-57, M.A. 55, Ph.D.(clin. psychol), 57. Instr. clin. psychol, sch. med, North Carolina, 57-58; psychol, exten. div, Fla. State, 59-61; Nat. Inst. Ment. Health fel. psychoanal, Postgrad. Center for Psychother, New York, 61-65; PSYCHOANALYST, 63- Psychotherapist, Jamaica Center Psychother, 62-64; supvr. & staff mem, Postgrad. Center Ment. Health, 65-; supvr. psychol. serv. center, City Col. New York, 67- Consult. psychoanalyst, East Brunswick Clin, N.J. 66- U.S.A.F.R. 53-61, Capt. Psychol. Asn. Psychoanalysis; psychotherapy; psychodiagnostics; personality theory and development; interpersonal interactions; group psychotherapy; community mental health consultation. Address: 26 W. Ninth St, New York, N.Y. 10011.

MEADOWS, DR. MARTIN, b. Manila, Philippines, Dec. 20, 30; m. 59; c. 2. POLITICAL SCIENCE. B.A. Oregon, 52, M.A. 55; fel, Maryland, 60-61, Ph.D.(polit. sci), 63. Instr. polit. sci, Maryland, summer 60; asst. prof, American Univ, 61-64; Fulbright-Hays lectr. Am. studies, Philippines, 64-65; ASSOC. PROF. POLIT. SCI, AMERICAN UNIV, 65- Fulbright-Hays lectr, Univ. Col. Sierra Leone, 68-69. Civilian Prisoner of War, Manila, 42-45. Polit. Sci. Asn; Soc. Polit. & Legal Philos. Political theory; Philippine government and politics; philosophy of science and social science. Publ: The Philippine claim to North Borneo, Polit. Sci. Quart, 9/62; Public opinion polls and the 1961 Philippine election, Pub. Opinion Quart, spring, 63; A managerial theory of unionism, Am. J. Econ. & Sociol, 4/66. Address: School of Government, American University, Washington, D.C. 20016.

MEADOWS, PROF. PAUL, b. Herrin, Ill, June 19, 13. SOCIOLOGY. A.B. McKendree Col, 35; A.M. Washington (St. Louis), 36; Ph.D. Northwestern, 40. Instr. North. Ill. State Col, 38-39; West. Mich. Col. Ed, 40-41; Northwestern, 41-44; from asst. prof. to assoc. prof, Montana, 44-47; from assoc. prof. to prof. sociol, Nebraska, 47-59; PROF. SOCIOL. & ANTHROP. & CHMN. DEPT, Syracuse, 59-68; STATE UNIV. N.Y. ALBANY, 68- Eval. consult, exec. coun, Episcopal Church, 66- Ed, Midwest Sociologist. Sociol. Asn; Soc. Study Social Probs. Industrial and urban sociology; social theory. Publ: Culture of industrial man; John Wesley Powell: frontiersman of science; The rhetoric of sociology. Address: State University of New York at Albany, Albany, N.Y. 13203.

MEAGHER, MAURICE A(NTHONY), S.J, Polit. Sci, see 10th ed, Soc. & Behav. Vols.

MEALS, DR. DONALD W, b. Carlisle, Pa, June 5, 22; m. 46; c. 2. PSYCHOLOGY. Ph.B. Dickinson Col, 44; M.A. Pennsylvania, 48, U.S. Pub. Health Serv. fel, 50-51, Ph.D.(psychol), 52; summer, vis. fel, Cambridge, 48. Instr. psychol, Pennsylvania, 46-51, dir. intern training prof, 51-52; ops. analyst, ops. res. off, Hopkins, 52-55; dir. combat ops. res. group, Tech. Ops, Inc, 56-60, mgr. br. ops. 60-62, v.pres, 62-66; DIR. SYSTS. DEVELOP. RAYTHEON ED. CO, 66- Instr. soc. studies, Dickinson Col, 46; res. assoc. prog. tech. & soc, Harvard, 66- U.S.A. 42-45; Bronze Star Medal. Psychol. Asn; Ops. Res. Soc; Bee Res. Asn. Operations research; criterion development; perception; operational gaming and simulation; learning and educational systems. Publ: Trends in military operations research, Ops. Res; co-auth, An evaluation of postelectroshock confusion with the Reiter apparatus, Am. J. Psychiat; auth, Heuristic models for systems planning, Phi Delta Kappan, 1/67. Address: 15 Thoreau Rd, Lexington, Mass. 02173.

MEANS, DR. ERNEST E(LMER), b. Akron, Ohio, July 6, 18; m. 46; c. 3. POLITICAL SCIENCE. B.A. Wittenberg, 49; M.A. Wisconsin, 51, Ph.D.(polit. sci), 58; LL.B. Florida, 64. Asst. prof. polit. sci, The Citadel, 52-54; instr. govt, Fla. State, 54-57, asst. prof, 57-59; exec. dir, Judicial Coun. Fla, 59-61; asst. prof, Fla. State, 61-62, assoc. prof, 62-64; res. asst, Supreme Court Fla, 65-67; DIR. DEPT. STATUTORY REVISION, STATE FLA, 67- U.S.N.R. 42-45. Polit. Sci. Asn. Public administration at state and local levels; public law; judicial administration. Publ: Prison industries and rehabilitation programs; County property tax assessment in Florida. Address: Statutory Revision Dept, Tallahassee, Fla. 32301.

MEANS, DR. GORDON P(AUL), b. Spokane, Wash, May 9, 27; m. 56; c. 4. POLITICAL SCIENCE. B.A. Reed Col, 50; M.A. Washington (Seattle), 52, Ph.D. 60; Ford Found. grant, Malaya, 54-55. Assoc. Washington (Seattle), 55-56; exec. secy, inst. int. affairs, 56-58; asst. prof. POLIT. SCI, Williamette, 58-60; Gustavus Adolphus Col, 60-65; Iowa, 65-66; ASSOC. PROF, Washington (Seattle), 66-67; McMASTER, 67- Smith-Mundt vis. prof, Univ. Malaya, 62-63; vis. lectr, Univ. Singapore, 63; summer assoc. res. prof, Inst. Int. Studies, Berkeley, 67. U.S.N. 45-46, Res. 46- Polit. Sci. Asn; Asn. Asian Studies; Royal Asiatic Soc. Government, politics and parties in Malaya, Singapore, Sarawak, North Borneo and Brunei; political development among tribal peoples; religion and politics in Malaysia; political violence in developing areas. Publ: Co-auth, Religion, State and ideologies in East Asia, E.Asian Christian Coun, 66; auth, Malaysia—a new federation in Southeast Asia, summer 63 & co-auth, Nagaland—the agony of ending a

guerrilla war, fall/winter 66-67, Pac. Affairs. Address: 1263 King St. W, Hamilton, Ont, Can.

MEANS, DR. MARIE HACKL (MRS. GUY GOFFE), b. Trenton, Tenn, Mar. 19, 92; m. 17. PSYCHOLOGY. A.B. Tennessee, 12; M.A. Kansas, 13; Ph.D. (psychol), George Peabody Col, 19. Assoc. prof. psychol, Ala. Col, 27-33; clin. psychologist, Tenn. Voc. Sch, Tullahoma, 43-64, Nashville, 45-66; ASSOC. PROF. PSYCHOL, BELMONT COL, 61- Private practice. Psychol. Asn. Personality adjustments. Publ: Tentative standardization of a hard opposites test; Fears of a thousand college women; Work decrement in successive study hall periods. Address: 2417 Garland Ave, Nashville, Tenn. 37212.

MEANY, DR. JOHN O(LIVER), b. Chicago, Ill, Sept. 12, 23; m. 60. PSYCHOLOGY. B.E. Chicago Teachers Col, 47; M.A. Notre Dame, 49; Chicago, 53-54; Ph.D. Ill. Inst. Tech, 59. Instr. indust. rels. & prog. coordinator, St. Joseph's Col.(Ind), 52-53; instr. inst. psychol. serv, Ill. Inst. Tech, 59; human factors scientist, Syst. Develop. Corp, Calif, 59-62, head ops. & equip. sect, 62-63; partner, Assoc. Psychol. Consult. Los Angeles, 66-68; ASSOC. PROF. ED, NOTRE DAME, 67- Asst. Chicago, 53-54; dir. counseling, Lewis Col, 54-56; Wallace Labs. res. grant, 58; assoc. prof, Rosary Col, 56-59; lectr, Chicago Teachers Col, 59; California, Los Angeles, 66-67; fel, Cedar-Sinai Med. Center, 66-67. U.S.A.A.F, 43-46. Psychol. Asn. Human factors of command and control systems; depth psychology. Publ: Ed, Handbook for electronic counter measures and electronic counter-counter measures in training in SAGE. Address: Box 478, Notre Dame, Ind. 46556.

MEARS, PROF. LEON A, b. Reno, Nev, Aug. 26, 07; m. 62; c. 1. ECONOMICS. B.E.E. Minnesota, 30; Ph.D.(econ), California, Berkeley, 53. Engr. Gen. Elec. Co, 31-35; partner, Lambert & Mears, 35-49; prof. bus. admin, San Francisco State Col, 53-61; sr. adv. E.Pakistan Planning Dept, 63-65; PROF. ECON, WISCONSIN, & VIS. PROF. ECON, PHILIPPINES, 65- Res. economist, California, Berkeley, 56-58, vis. prof, 59-63; Indonesia, 56-63. Econ. consult, Food & Agr. Orgn, Asia, 59-62, 63; consult, Agency Int. Develop, Indonesia, 66-67; Govt. of Indonesia, 67-68. Sig.C, U.S.A., 42-46, Maj. Econ. Asn. Rice marketing in Asia. Publ: Rice marketing in Republic of Indonesia, P.T. Pambangunan, Djakarta, 61; co-auth, Economic development, analysis and case studies, Harper, 61 & Business environment in an emerging nation, Northwestern Univ, 66. Address: P.O. Box 776, Manila, Philippines.

MEASMER, DR. MURRY BRYANT, b. Cabarrus, N.C, July 3, 97; m. 26. GEOGRAPHY. B.S. Tennessee, 29, fel, 30-31, M.S., 31; Ph.D. Peabody Col, 40. Prof. hist, econ. & geog, Louisiana Jr. Col, 31-33; sup. sch, Tenn, 33-36; instr. hist. & geog, univ. exten, Tennessee, 36-41; prof. geog, Sam Houston State Teachers Col, 41-49; Miss. State Col. for Women, 49-51; prof. & head dept, West Texas State, 51-67; RETIRED. Address: 1603 Tularosa, Amarillo, Tex. 79102.

MEASEL, DR. WESLEY W, b. Detroit, Mich, Aug. 18, 33; m. 57; c. 2. SOCIAL SCIENCE. B.Mus, Michigan, 55, M.Mus, 59, M.A., 60, Ph.D.(elem. ed), 67. Teacher, pub. schs, Va, 57-58; Mich, 60-64; prin. elem. schs, Mich, 64-66; asst. prof. soc. studies, Arizona State, 67-68; RES. & STUDY, TRI-UNIV. PROJ. SOC. STUDIES, WASHINGTON (SEATTLE), 68- Consult, bldg. & prog. cmt, Tempe, Pub. Schs, Ariz, spring, 68. U.S.N., 55-57. Thinking in elementary school teachers and pupils and the different levels of sophistication inherent in that thinking. Address: 1109 W. 12th St, Tempe, Ariz. 85281.

MEATH, DR. JAMES A, JR, b. Bridgeport, Conn, Sept. 22, 18; m. 47; c. 3. PSYCHIATRY. A.B. Harvard, 40; M.D. Tufts Col, 43. Med. intern, Boston City Hosp, 44; res. fel. psychiat, Mass. Gen. Hosp, 45, neuropath, 45-46, res. neurol, 46-47; asst. neuropath, Harvard Med. Sch, 47-50, instr, 50-53; asst. res. psychiatrist, Phipps Clin, UNIV. HOSP, HOPKINS, 53-55, PSYCHIATRIST, 55-, INSTR. PSYCHIAT, UNIV, 55-, psychiatrist, out-patient dept, hosp, 53-55. Private practice. Fel. U.S. Pub. Health Serv, res. lab, McLean Hosp, 47-49, sci. res. asst, 49-53. Psychiat. Asn. Biochemistry of the central nervous system; clinical psychiatric research. Address: 1114 St. Paul St, Baltimore, Md. 21202.

MECH, PROF. EDMUND V, b. Newark, N.J, Dec. 16, 24; m. 47. PSYCHOLOGY. A.B. Fla. South. Col, 49; Ph.D.(ed. psychol), Indiana, 52. Instr. & res. assoc. ed. psychol, Indiana, 52-54; asst. prof, Oklahoma, 54-57; psychol, Pa. State, 57-59; assoc. prof. soc. res. & dir. res. center, Bryn Mawr Col, 59-64; PROF. SOC. SERV. ADMIN, ARIZONA STATE, 64- Nat. Inst. Ment. Health fel, Tennessee, 56-57; summers, vis. lectr, Hopkins, 56, 59, vis. assoc. prof, North Carolina, 62. U.S.N., 43-46. AAAS; Psychol. Asn; Soc. Res. Child Develop. Human behavior, especially learning and adjustment. Publ: Some statistical relationships between selected response dimensions and problem-solving proficiency, Psychol. Monogr; An experimental analysis of patterns of differential verbal reinforcement in classroom situations, Bull. Sch. Ed, Indiana, Trends in the fears and worries of school children as related to socio-economic status and age, J. Genetic Psychol. Address: Dept. of Social Service Administration, Arizona State University, Tempe, Ariz. 85281.

MECHAM, PROF. J(OHN) LLOYD, b. San Bernardino, Calif, July 16, 93; m. 25; c. 2. GOVERNMENT, INTERNATIONAL RELATIONS. A.B. California, 16, A.M., 17, Ph.D., 23; London, 19. Univ. California traveling fel, Spain, 20-21; instr. hist, Washington (St. Louis), 21-22, asst. prof, 24-25; instr, Columbia, 22-24; assoc. prof. GOVT, TEXAS, AUSTIN, 25-32, prof, 32-63, EMER. PROF, 63- Vis. prof, Michigan, 28-29; lectr, inst. pub. affairs, Southern Methodist, 36-40. Cor. mem. cmt. Latin-Am. studies, Am. Coun. Learned Soc, 40-41. Hist. Asn. Latin American governments; United States-Latin American relations; American diplomacy. Publ: Church and State in Latin America & rev. ed, 66; The United States and inter-American security, 1889-1960; A survey of United States-Latin American relations, Houghton, 65. Address: 2809 W. Fresco Dr, Austin, Tex. 78731.

MECHAM, PROF. MERLIN J, b. Neola, Utah, Jan. 31, 23; m. 47; c. 2. SPEECH PATHOLOGY. B.A. Brigham Young, 48; M.S. Utah State, 49; Ph.D. (speech), Ohio State, 54. Instr. SPEECH, Utah State, 49-50; Ohio State, 51-54; asst. prof, Brigham Young, 54-56, assoc. prof, 57-61; PROF. & DIR. SPEECH & HEARING CLIN, UTAH, 61- U.S.A., 43-46. Speech & Hearing Asn. Language development and pathology. Publ: Verbal language development scale; Communication training in childhood brain damage, C.C. Thomas, 66; Utah test of language development, Commun. Res. Asn, 67. Address: Speech & Hearing Clinic, Bldg. 413, University of Utah, Salt Lake City, Utah 84112.

MECHAM, DR. L. RALPH, b. Murray, Utah, Apr. 23, 28; m. 50; c. 4. PUBLIC ADMINISTRATION. B.S. Utah, 51, cert, 52; J.D. George Washington, 57; M.P.A. Harvard, 64. Asst. polit. sci, 50-52; legis. & exec. asst. to Senator Wallace F. Bennett, 52-58, admin. asst. & counsel, 58-65; exec. dir, center econ. & community develop. & asst. to pres. spec. proj, UTAH, 65-67, V.PRES, ECON. & COMMUNITY DEVELOP, 67- Am. Polit. Sci. Asn. cong. staff fel, 63-64; fel. pub. admin, Harvard, 65-66. Mem. Nat. Coun. Univ. Res. Adminstr. Constitutional law; national administration, particularly legislative-executive relations; government and politics of the Soviet Union; state and local government. Address: 54 N. Wolcott St, Salt Lake City, Utah 84103.

MECHANIC, DR. ARNOLD, b. New York, N.Y, Feb. 12, 33. PSYCHOLOGY. B.A. Queens Col.(N.Y.), 54; M.A. Ohio State, 55; U.S. Pub. Health Serv. fel, California, 58-59, Ph.D.(psychol), 61. Assoc. PSYCHOL, California, 59-60; Nat. Sci. Found. fel. & lectr, Northwestern, 60-61; from asst. prof. to ASSOC. PROF. CALIF. STATE COL. HAYWARD, 61- Psychol. Asn. Human learning and retention; verbal behavior. Publ: Distribution of recalled items in simultaneous intentional and incidental learning & The effects of orienting task, practice and incentive on simultaneous incidental and intentional learning, J. Exp. Psychol. Address: Dept. of Psychology, California State College at Hayward, Hayward, Calif. 94542.

MECHANIC, PROF. DAVID, b. New York, N.Y, Feb. 21, 36; m. 60; c. 1. SOCIOLOGY. B.A. City Col. New York, 56; Ford fel. & M.A. Stanford, 57, Nat. Inst. Ment. Health fel. & Ph.D.(sociol), 59. Nat. Inst. Ment. Health fel. SOCIOLOG, North Carolina, 59-60; asst. prof, WISCONSIN, MADISON, 60-62, assoc. prof, 62-65; PROF. 65-, CHMN. DEPT, 68- U.S. Pub. Health Serv. spec. fel, Soc. Psychiat. Res. Unit, Brit. Med. Res. Coun, Maudsley Hosp. & Inst. Psychiat, Univ. London, 65-66; mem. vis. faculty, sch. med, Washington (Seattle), summers 65 & 67. Consult, soc. & rehab. serv, U.S. Dept. Health, Ed. & Welfare, 67; Nat. Inst. Ment. Health, 68- AAAS; Sociol. Asn. Social psychology; sociology of health and the health professions; deviant behavior; research methodology. Publ: Students under stress: a study in the social psychology of adaptation, 62 & Medical sociology: a selective view, 68, Macmillan; co-auth, The social psychology of organizations, Prentice-Hall, 63. Address: Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.

MECHNER, DR. FRANCIS, b. Vienna, Austria, May 1, 31; nat; m. 61. PSYCHOLOGY. B.A. Columbia, 52, M.A., 54, Ph.D.(psychol), 57. Asst. lab. & dept. psychol, Columbia, 52-54, lectr. psychol, 54-58, res. assoc. & co-prin. investr, sch. aviation med, 55-56; dir. behav. lab, Schering Corp, 56-61; DIR. RES, BASIC SYSTS, INC, 61- Prin. investr, Nat. Inst. Ment. Health grant, 58-60. AAAS; Psychol. Asn. Learning theory; psychopharmacology; behavioral notation systems; verbal behavior; programmed instruction. Publ: Notation system for the description of behavioral procedures & Probability relations within response sequences under ratio reinforcement, J. Exp. Anal. Behav; Behavioral effects of methamphetamine and methylphenidate in rat and man, Neuropsychopharmacology. Address: Bayberry Dr, Pleasantville, N.Y. 10570.

MECKLING, W(ILLIAM) H(ENRY), Econ, Statist, see 10th ed, Soc. & Behav. Vols.

MEDALIA, DR. NAHUM Z(EITLIN), b. Boston, Mass, Feb. 2, 20; m. 45; c. 3. SOCIOLOGY. A.B. Harvard, 40, Ph.D., 52; M.A. Missouri, 42. Res. sociologist, air site proj, Washington (Seattle), 52-54; from asst. prof. to assoc. prof. soc. sci, Ga. Inst. Tech, 54-61; staff sociologist, div. air pollution, U.S. Pub. Health Serv, 61-65; PROF. SOCIOLOG. & CHMN. DEPT. SOCIOLOG. & ANTHROP, CHATHAM COL, 65- Exec. secy, small grant cmt, Nat. Inst. Ment. Health, 62-63; lectr, Smith Col, 63- U.S.A., 42-46, Capt. Sociol. Asn. Sociology of professions; dynamics of bureaucracy. Publ: Authoritarianism, leader perception and group cohesion, J. Abnorm. & Soc. Psychol; Unit size and leader perception, Sociometry; On becoming a college teacher, South. Regional Ed. Bd, 63. Address: 1153 Murray Hill Ave, Pittsburgh, Pa. 15217.

MEDINA, DR. ROBERT F(RANCIS), b. St. Paul, Minn, Feb. 21, 26; m. 50; c. 3. PSYCHOLOGY. B.A. Minnesota, 48; M.A. Loyola (Ill), 53, fel, 53-55, Ph.D.(psychol), 58. Psychologist, Tripler Gen. Hosp, Honolulu, 46-47; res. psychologist, Willmar State Hosp, Minn, 50-51; staff psychologist counseling & psychother, Counseling Center, Chicago, 55-57; instr. psychol, Loyola (Ill), 57-58; psychologist, Rohrer, Hibler & Repligle, 58-66; PARTNER, MEDINA & THOMPSON, MGT. CONSULT, 67- Med.C, U.S.A., 45-47. Psychol. Asn. Group psychotherapy; communication theory; personality theory; assessment; management development; organizational structure and processes; group processes. Publ: Long term evaluation of prefrontal lobotomy in chronic psychotics, J. Nerv. & Ment. Disease; Frontal lobe damage and flicker fusion frequency, Arch. Neurol. & Psychiat. Address: 2870 Cherokee Lane, Deerfield, Ill. 60015.

MEDINNUS, PROF. GENE R(OLAND), b. Lyle, Minn, Dec. 5, 26; m. 49; c. 3. CHILD PSYCHOLOGY. B.A. Minnesota, 51, M.S., 53; Ph.D.(child develop), 57; Iowa, 53-54. Res. assoc, Elizabeth McCormick Mem. Fund, 56-59; from asst. prof. to PROF. PSYCHOL, SAN JOSE STATE COL, 59- U.S.N., 44-46. Psychol. Asn; Soc. Res. Child Develop. Socialization process; personality development; parent-child relations. Publ: Relation between several parent measures and the child's early adjustment to school, J. Ed. Psychol; Q sort descriptions of five-year-old children by their parents,

Child Develop; Note on interpreting the Pearson r, J. Gen. Psychol. Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 95114.

MEDLAND, FRANCIS F(REDERIC), b. Logansport, Ind, Sept. 22, 19; m. 49; c. 1. PSYCHOLOGY. A.B. Dayton, 42; A.M. Chicago, 48. Head personnel res. sect, U.S. Marine Corps, 47-59; SUPVRY. RES. PSYCHOLOGIST, U.S. ARMY BEHAV. RES. LAB, 59- Psychol. Asn. Psychophysics; psychometrics; social psychology. Publ: Empirical comparison of several methods of communality estimation, Psychometrika; Values associated with intentions of Cuban refugees to remain in the U.S. Army, Psychol. Reports, 65; co-auth, Cross-group stability of peer ratings of leadership potential, Personnel Psychol, summer 65. Address: 1712 Crestwood Dr, Alexandria, Va. 22302.

MEDLEY, DR. DONALD M(ATTHIAS), b. S.Dak, Feb. 18, 17; m. 48; c. 1. EDUCATIONAL PSYCHOLOGY. B.S. Col. St. Thomas, 38; M.A. Minnesota, 50, Ph.D.(ed. psychol), 54. Instr. Eng. Col. St. Thomas, 48-50; instr. & res. assoc. ed, Indiana, 53-54; asst. prof, City Col. New York, 54-59, assoc. prof, 60-65, prof, 65; SR. RES. PSYCHOLOGIST, ED. TESTING SERV, 65- U.S.A., 42-46. Psychol. Asn; Statist. Asn; Nat. Coun. Measurement in Ed; Psychomet. Soc; Ed. Res. Asn. Teacher effectiveness; test reliability. Publ: Application of analysis of variance to the estimation of the reliability of observations of teachers' classroom behavior, J. Exp. Ed; Some behavior correlates of teacher effectiveness, J. Ed. Psychol; co-auth, Measuring classroom behavior by systematic observation, In: Handbook of research in teaching, Rand McNally, 63. Address: Educational Testing Service, Princeton, N.J. 08540.

MEDLIN, PROF. W(ILLIAM) K(ENNETH), b. Martinez, Calif, Apr. 7, 24. POLITICAL SCIENCE. A.B. California, 48; lic. Geneva, 49, Gallatin fel, 50-51, Ph.D. 52. Historian, U.S. Dept. State, 52-57; specialist, U.S. Off. Ed, 59-60; assoc. prof. ED, MICHIGAN, 60-66, PROF, 66- Lectr, American Univ, 55-57; Maryland, 59; dir. proj. ed. & soc. change in Cent. Asia, U.S. Dept. Health, Ed. & Welfare res. grant, 61-66; vis. prof. col. soc. sci, Lausanne, 66-67. U.S.A., 43-46. AAAS; Hist. Asn; Comp. Ed. Soc.(v.pres), 62; Soc. Gen. Syst. Res. Political ideas and history; Russian-Byzantine and Soviet studies; education and nation-building; social change theory; Europe, Union of Soviet Socialist Republics and Middle Asia. Publ: Moscow and east Rome; The history of educational ideas in the West, Center Appl. Res. in Ed, 64; co-auth, Education and social change, Univ. Michigan, 65. Address: School of Education, University of Michigan, Ann Arbor, Mich. 48104.

MEDNICK, DR. MARTHA T(AMARA), b. New York, N.Y., Mar. 31, 29; m. 50; c. 2. PSYCHOLOGY. B.S. City Col. New York, 50, M.A., 52; Ph.D. Northwestern, 55. U.S. Pub. Health Serv. fel. operant conditioning, Harvard, 56-57; assoc. clin. psychol, California, Berkeley, 58-59; res. assoc. inst. soc. res, Michigan, 59-64, ASSOC. PROF. PSYCHOL, sch. nursing, 64-67; HOWARD, 68- AAAS; Psychol. Asn; Nat. Soc. Study Ed; Soc. Psychol. Study Social Issues. Verbal association; creative thinking; test development. Publ: Co-auth, Research in personality, Holt, 62; auth, Mediated generalization and the incubation effects as a function of manifest anxiety, J. Abnorm. Soc. Psychol, 55: 315-321; Research creativity in psychology graduate students, J. Consult. Psychol, 27: 265-266. Address: Dept. of Psychology, Howard University, Washington, D.C. 20001.

MEDNICK, PROF. SARNOFF A(NDREI), b. New York, N.Y., Jan. 27, 28; m. 50. PSYCHOLOGY. B.S. City Col. New York, 49; M.A. Columbia, 50; Ph.D.(psychol), Northwestern, 54. Lectr. psychol, Northwestern, 54-55; instr. clin. psychol, Harvard, 55-58; California, 58-59; assoc. prof, MICHIGAN, 59-64, PROF. PSYCHOL, 64- U.S. Pub. Health Serv. fel, 54-55; dir. psychol. inst. Community Hosp, Copenhagen, Denmark, 62- Adv. WHO, 64- U.S.A., 45-47. Psychol. Asn. Stimulus generalization; personality and development; children at high risk for schizophrenia. Publ: Learning theory approach to research in schizophrenia & Stimulus generalization, Psychol. Bull; Associative basis of the creative process, Psychol. Rev. Address: Dept. of Psychology, University of Michigan, Ann Arbor, Mich. 48104.

MEDOW, DR. HERMAN M(ARVIN), b. Detroit, Mich, Feb. 21, 30; m. 66. SOCIAL PSYCHOLOGY. B.A. Wayne, 53; Ph.D.(soc. psychol), Michigan, 62. Study dir. res. center group dynamics, Michigan, 61-63, lectr. psychol, 62-63; ASST. PROF. ORGN. BEHAV. CASE WESTERN RESERVE, 63- Mem, Inst. Appl. Behav. Sci, Nat. Training Labs; Midwest Group Human Resources Psychol. Asn. Interpersonal relationships and personal growth; organizational development strategies and processes. Address: 2033 Staunton Rd, Cleveland Heights, Ohio 44118.

MEDOW, DR. PAUL I, Econ, see 10th ed, Soc. & Behav. Vols.

MEE, DEAN JOHN F(RANKLIN), b. Ada, Ohio, July 10, 08; m. 41; c. 3. BUSINESS ADMINISTRATION. A.B. Miami (Ohio), 30, LL.D., 64; fel, Maine, 31-33, A.M., 33; Ph.D.(bus. orgn), Ohio State, 59. Prof. MGT, INDIANA, 39-62, MEAD JOHNSON PROF, 62-, DEAN GEN. TECH. STUDIES, 65- Ford distinguished vis. prof, N.Y. Univ, 62. Consult, Exec. Off. of President, 50; Texaco, Inc, 51-58. Exec. dir, State Tax Study Cmn, Ind, 51-52; res. dir, Governor's Study Cmn. Intergovt. Rels, 53-54. Chmn, mgt. seminar team, Food & Agr. Orgn, France, 53. Mem. mgt. ed. cmt, Int. Mgt. Cong, 63; bd. adv. Indust. Col. Armed Forces, 65. U.S.A.A.F., 41-46, Col. Psychol. Asn; Soc. Adv. Mgt; Inst. Mgt; Sci. Acad. Mgt.(secy-treas, 46-50; pres, 51); Aerospace Med. Asn. Personnel problems in a war economy; history and development of management thought in the twentieth century. Publ: Ed, Personnel handbook; Industrial engineering and management series; auth, Management thought in a dynamic economy, N.Y. Univ, 63. Address: Dept. of Management, Indiana University, Bloomington, Ind. 47401.

MEEHAN, DR. EUGENE J(OHN), b. Peckville, Pa, Sept. 16, 23; m. 49. POLITICAL SCIENCE. B.A. Ohio State, 50, M.A., 51; Ph.D. London Sch. Econ, 54. Asst. chief ed. & libraries, U.S. Dept. Air Force in London, 53-57; ed. specialist, U.S. Armed Forces Inst, 57-58; lectr. polit. sci, Rutgers, 58-60, asst. prof, 60-65; assoc. prof. POLIT, Brandeis, 65-68; PROF, ILLINOIS, URBANA, 68- Instr. Overseas prog, Maryland, 51-57; tutor, London Sch. Econ, 56-57. Consult, U.S. Armed Forces Inst, 58-; McGraw-Hill Book Co, 59- U.S.A.A.F., 43-45, Capt. Polit. Sci. Asn. Publ: Theory and method of

political analysis, 66, Contemporary political thought, 67 & Explanation in social science, 68, Dorsey. Address: Dept. of Political Science, University of Illinois, Urbana, Ill. 61801.

MEEHAN, M(ICHAE) JOSEPH, Econ, see 10th ed, Soc. & Behav. Vols, deceased 63.

MEEHL, PROF. PAUL E(VERETT), b. Minneapolis, Minn, Jan. 3, 20; m. 41; c. 2. CLINICAL PSYCHOLOGY. B.A. Minnesota, 41, Ph.D.(psychol), 45. Instr. psychol, med. sch, MINNESOTA, MINNEAPOLIS, 44-45, asst. prof. psychol. & psychiat, 45-51, PROF. CLIN. PSYCHOL, MED. SCH, 51-, prof. psychol. & chmn. dept, univ, 51-57. Consult, Vet. Admin, 47- Fel. Psychol. Asn.(pres, 61-62, distinguished sci. contrib. award, 58 & 67); Psychomet. Soc; Philos. Sci. Asn. Clinical prediction; personality tests; psychotherapy; genetics of behavior; schizophrenia; forensic psychology. Publ: Clinical versus statistical prediction; co-auth, Modern learning theory; Atlas for clinical use of MMPI. Address: Box 392 Mayo, University of Minnesota, Minneapolis, Minn. 55455.

MEEK, DR. CLINTON R(OSCOE), b. Montague Co, Tex, Nov. 16, 12; m. 42. PSYCHOLOGY. B.S. West Texas State, 36, M.A., 41; Ph.D.(psychol), George Peabody Col, 54. Teacher & coach, high sch, Tex, 36-39, prin. & coach, 39-41, teacher & athletic dir, 41-42, prin. & teacher, 45-46; employee rels. couns, U.S. Civil Serv, Calif, 44-45, rehab. couns, Vet. Admin. Regional Off, Tex, 46-50; asst. prof. psychol. & dir. guid. ed, North Dakota, 54-57; ASSOC. PROF. COUNSELING & GUID, SOUTHERN ILLINOIS, 57- Vis. prof, Washington State, 61, 63-64. U.S.C.G., 42-44. Psychol. Asn. Psychotherapy, teaching and individuality. Publ: Guidance methods used by teachers, Univ. North Dakota, 56; An experiment in teaching empathy, J. Ed. Sociol, 31; 107; co-auth, Problems in learning to interview, Counselor Ed. & Supv, 7: 54. Address: Dept. of Guidance, Southern Illinois University, Carbondale, Ill. 62901.

MEEK, DR. HAROLD W(EBB), b. Monroe, La, Apr. 18, 24; m. 44; c. 2. PSYCHOLOGY. A.B. Mercer, 45; Emory, 46; Ph.D.(clin. psychol), Kentucky, 51. CLIN. PSYCHOLOGIST, PSYCHIAT. ASSOCS, 47- Consult, Wayside, Our Lady of the Oaks & St. Joseph Hosps, Lexington, Ky; Miner's Mem. Hosp, Pikeville, U.S.N., 42-44. Psychol. Asn. Psychologic processes underlying psychophysiologic disorders; adolescent and adult psychotherapy. Address: 1832 Versailles Rd, Lexington, Ky. 40504.

MEEK, DR. HOWARD BAGNALL, b. Chelsea, Mass, Oct. 30, 93. ECONOMICS. B.S. Boston, 17, Sc.D., 49; A.M. Maine, 20; Ph.D. Yale, 33. Teacher math, Maine & Yale; mgr, resort hotels; prof. HOTEL ADMIN. & dean sch. hotel admin, CORNELL, 22-61, EMER. PROF, 61-; EXEC. DIR. COUN. HOTEL, RESTAURANT & INSTNL. ED, 61- Nat. Restaurant Found. study grant ed. for restaurant indust, N.A.M. & Europe, 61-63; Ford Found. study grant hospitality ed, Lebanon, 65. Trustee, Tompkins County Mem. Hosp; Ithaca Reconstruct. Home. Econ. Asn; Statist. Asn. Theory of hotel rate determination; public hospitalities around the world; hotels of Latin America. Address: 418 Highland Rd, Ithaca, N.Y. 14850.

MEEK, DR. PAUL, b. Harlan, Ky, Nov. 12, 25; m. 47; c. 1. ECONOMICS. B.S. Notre Dame, 47; Tennessee, 47-48; Wessel fel, Virginia, 50-51, M.A., 51, Ford.Found. fel, 54-56, Ph.D., 56; Cornell, 54-55. Asst. prog. officer, U.S. Opers. Mission, Indonesia, 52-54; economist, res. dept, FED. RESERVE BANK OF NEW YORK, 56-59, chief pub. info. dept, 59-60, mgr, 60-62, MGR. SECURITIES DEPT, 63- U.S.N., 44-46, Ens. Econ. Soc. Foreign affairs; international movements of portfolio capital between countries, especially United States investment in foreign securities; New York as an international financial center. Publ: Co-auth, United States investment in foreign securities, In: United States foreign investment; auth, Revival of international capital markets, Proc. Am. Econ. Asn; co-auth, Structural shifts and recent trends in United States trade and payments. Address: 74 Washington Ave, Hillsdale, N.J. 07642.

MEEK, PROF. WILBUR THORNTON, b. Fairmount, Nebr, Feb. 1, 00; m. 41; c. 3. ECONOMICS. A.B. Princeton, 22; M.A. Columbia, 30, Ph.D., 47. Chmn. dept. econ, Omaha, 37-42; prof, Nat. Univ. Panama, 42-44; assoc. prof, Florida, 47-49; prof. econ. & mgt, La. Polytech, 49-62; PROF. SOC. SCI. & HEAD DEPT, SOUTHEAST MO. STATE COL, 62- U.S. Dept. State grant & prof. econ, Univ. Zulia, Venezuela, 59-60. Summer vis. prof, Antioquia, Colombia, 52. U.S.A., 18-19. Econ. Asn; Inst. Mgt. Management; Mexican money; banking and public finance. Publ: Exchange media of colonial Mexico; Central Bank of Venezuela: its structure and operation; Some post-war considerations, Economista. Address: Dept. of Political Science, Southeast Missouri State College, Cape Girardeau, Mo. 63701.

MEEKS, DR. HAROLD AUSTIN, b. New Haven, Conn, Aug. 22, 30; m. 54; c. 2. GEOGRAPHY. A.B. Middleburg Col, 56; M.A. Minnesota, Minneapolis, 58, Ph.D.(geog), 64. Instr. GEOG, exten. div, Minnesota, Minneapolis, 57-58; from instr. to ASST. PROF, Michigan Tech, 59-64; VERMONT, 64- Instr, Suomi Col, 60-63. U.S.C.G., 51-54. Asn. Am. Geog; Am. Geog. Soc. Physical geography and land resource analysis of the U.S. and U.S.S.R.; rural problems and agriculture. Publ: Marginal agriculture in Michigan's copper country, Univ. Microfilms, 64; co-auth, Brunswick mineral springs—a unique natural area, Vt. Resources Res. Center, 64; auth, Railroads and agricultural settlement in Minnesota, Proc. Minn. Acad. Sci, 59. Address: Dept. of Geography, University of Vermont, Burlington, Vt. 05401.

MEELAND, DR. TOR, b. Brooklyn, N.Y., May 29, 22; m. 47; c. 1. PSYCHOLOGY. B.S. Illinois, 46, M.S., 47, Ph.D.(psychol), 52. Res. scientist, HumRRO, George Washington, 52-58; staff mem. Lincoln Lab, Mass. Inst. Tech, 58; res. psychologist, Mitre Corp, 59; SR. RES. PSYCHOLOGIST, STANFORD RES. INST, 60- AAAS; Psychol. Asn; Psychomet. Soc. Human factors; man-machine systems; systems engineering; stress tolerance; personality; psychometrics. Publ: Co-auth, Reactions of men under stress to a picture projective test, J. Clin. Psychol; Influence of a partner on tolerance for a self-administered electric shock, J. Abnorm. & Soc. Psychol; Sociometric effects of race and of combat performance, Sociometry. Address: Stanford Research Institute, Menlo Park, Calif. 94025.

- MEENEN, PROF. H(ENRY) J(OHN), b. Clifton, Kans, Jan. 13, 19; m. 42; c. 2. AGRICULTURAL ECONOMICS, RURAL SOCIOLOGY. B.S. Kans. State Col., 40, M.S., 43; Ph.D. Missouri, 59. Instr. Kans. State Col., 40-42; Missouri, 46-49; asst. prof. AGR. ECON. & RURAL SOCIOLOGY, ARKANSAS, 49-53; assoc. prof. & acting head dept., 53-59, PROF. & HEAD DEPT., 59- Coop. agent, bur. agr. econ, U.S. Dept. Agr., 40-42. Consult, Nat. Adv. Cmn. Food & Fiber, 66-67. Agr. Econ. Asn. Agricultural and land economics; capital formation and use in agriculture; economic and social problems of adjustment of resources in rural areas. Publ: Economic, social and governmental problems encountered in the development of the Wappapello flood control area in Missouri, Univ. Missouri Res. Bull, 5/59; co-auth, Theory principles and problems of leasing, In: Rural land tenure in the United States, La. State Univ, 62; Some research hypotheses-incidence of benefits and costs of selected public programs affecting agriculture, Va. Polytech. Inst. Bull, 9/66. Address: Dept. of Agricultural Economics & Rural Sociology, University of Arkansas, Fayetteville, Ark. 72701.
- MEENES, PROF. MAX, b. Worcester, Mass, May 24, 01; m. 33. PSYCHOLOGY. A.B. Clark, 21, Ph.D., 26; A.M., Princeton, 24. Instr, Lehigh, 26-29, asst. prof., 29-30; assoc. prof. PSYCHOL, HOWARD, 30-39, PROF., 39- AAAS; Psychol. Asn. Experimental and social psychology. Address: Dept. of Psychology, Howard University, Washington, D.C. 20001.
- MEER, DR. BERNARD, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 66.
- MEERLOO, DR. JOOST A(BRAHAM) M(AURITS), b. The Hague, Holland, Mar. 14, 03; m. 48. PSYCHOLOGY. M.D. Leiden, 27; Ph.D., Utrecht, 32. Chief dept. psychiat, Psychiat. Hosp, Rotterdam, Holland, 30-34; psychiat. consult, Munic. Hosp, Hague & Voorburg, 34-42; LECTR. POLIT. PSYCHOL, NEW SCH. SOC. RES, 50- Private practice, 47-; res. assoc, Columbia, 48-57; hon. fel, Postgrad. Center Psychother, 61; assoc. prof. psychiat, N.Y. Sch. Psychiat, 62- Psychiat. consult, Royal Court Netherlands, 35-40; consult, High Cmnr. Refugees UN, 60. Peace award, Am. Asn. Soc. Psychiat, 41. Dipl. Am. Bd. Psychiat. & Neurol, 48. Royal Netherlands Army, 42-66, Maj. Gen; Distinguished Serv. Cross, 43. Fel. AAAS; fel. Psychiat. Asn; fel. Acad. Psychoanal; Sociol. Asn; fel. Int. Inst. Arts & Letters. Social psychology and psychoanalysis; theory of psychological warfare, mental coercion and psychological contamination; psychology of subjective time sense; psychology of violence. Publ: Suicide and mass suicide; illness and cure, studies on the philosophy of medicine and mental health, Grune, 64; Creativity and eternalization, Van Gorkum, Holland, 67. Address: Eldorado Towers, 300 Central Park West, New York, N.Y. 10024.
- MEES, DR. HAYDEN L(EROY), b. Tolstoy, S.Dak, Dec. 16, 27; m. 54; c. 2. PSYCHOLOGY. A.B. California, 53; M.S., Washington (Seattle), 57, Ph.D., 59. Clin. psychol. trainee, Vet. Admin, 55-59; clin. res. psychologist, West. State Hosp, Ft. Steilacoom, Wash, 59-61, head psychol. res. serv, 61-65; vis. assoc. prof. PSYCHOL, Oregon, 65-66; ASSOC. PROF. SEATTLE, 66- LECTR, Washington (Seattle), 67- U.S.A., 46-49. Psychol. Asn. Theory and application of behavioral modification techniques. Address: Dept. of Psychology, Seattle University, Seattle, Wash. 98122.
- MEFFERD, DR. ROY B(ALFOUR), JR, Biochem, Physiol, see 11th ed, Phys. & Biol. Vols.
- MEGARREE, DR. EDWIN INGLEE, b. Plainfield, N.J., Feb. 27, 37; m. 59; c. 3. PSYCHOLOGY. B.A. Amherst Col, 58; Ph.D.(psychol), California, Berkeley, 64. Clin. psychologist, Alameda County Prob. Dept. Clin, 61-62, clin. psychologist, 62-64; asst. prof. PSYCHOL, Texas, Austin, 64-67; ASSOC. PROF. FLA. STATE, 67- Consult, U.S. Job Corps Training Center, Camp Gary, 64; U.S. Vet. Admin, 64-; Fed. Correctional Inst, Fla, 67- Consult, psychologist, Travis County Juvenile Court, 66-67. Field assessment officer, Peace Corps, 64-66. AAAS; Psychol. Asn; Sociol. Asn. Clinical assessment; development and validation of psychological tests; aggression; cross-cultural studies of crime and delinquency; leadership. Publ: Research in clinical assessment, Harper, 66; co-auth, Delinquency in three cultures, Univ. Texas, (in press); auth, Undercontrolled and overcontrolled personality types in extreme antisocial aggression, Psychol. Monogr, 66. Address: Dept. of Psychology, Florida State University, Tallahassee, Fla. 32306.
- MEGAY, DR. EDWARD N, b. Vienna, Austria, Sept. 17, 15; nat; m. 38. POLITICAL SCIENCE. M.A. Kecskeket Inst. Juridical Sci, Hungary, 43; Ph.D. Georgetown, 55. Instr. polit. sci. & German, Loyola (Md), 48-51, eve. sch, 48-50; library asst, Peabody Inst. Library, 52-55; asst. prof. POLIT. SCI, Col. of St. Thomas, 55-60, ASSOC. PROF, 60-62; NEBRASKA, 62- LECTR, Minnesota, 58; Rockefeller Found. res. grant, Germany, 59-60. Fulbright lectr, Graz, 67-68. Polit. Sci. Asn; Acad. Polit. & Soc. Sci; Soc. Polit. & Legal Philos. Political theory; international relations; American national government. Publ: Lysenkoism and the stateless society, J. Polit. Treitschke reconsidered, Midwest J. Polit. Sci. Address: 2551 Van Dorn St, Lincoln, Nebr. 68502.
- MEGGERS, DR. BETTY J(ANE), b. Washington, D.C., Dec. 5, 21; m. 46. ANTHROPOLOGY. A.B. Pennsylvania, 43; M.A. Michigan, 44; Ph.D. Columbia, 52. LECTR. anthropol, American Univ, 50-51; RES. ASSOC, SMITHSONIAN INSTN, 54- Consult, Battelle Mem. Inst, 65- Gold medal for outstanding Americanist studies, Int. Cong. Americanists & Nat. Order Merit, Govt. Ecuador, 66. AAAS; fel. Anthropol. Asn.(exec. secy, 59-61); Soc. Am. Archaeol.(asst. ed, jour, 54-); Ethnol. Soc. Archaeology of the Amazon Basin; relationship of culture to environment; cultural theory. Publ: Ecuador, Thames & Hudson-Praeger, 66; co-auth, Archeological investigations at the mouth of the Amazon & Archeological investigations in British Guiana, Bull. Bur. Am. Ethnol. Address: Division of Archeology, U.S. National Museum, Washington, D.C. 20560.
- MEGGITT, PROF. MERVYN J, b. Warwick, Australia, Aug. 20, 24; m. 49. ANTHROPOLOGY. B.A. Sydney, 53, M.A., 55, Strong fel, 55-56, Ph.D.(anthrop), 60. Researcher ANTHROP, Sydney, 53, lectr, 54-59, sr. lectr, 60-65; PROF, Michigan, 65-67; QUEENS COL.(N.Y.), 67- Simon fel, Manches- ter, 63; vis. assoc. prof, Michigan, 64; vis. prof, Chicago, 64. Fel. Royal Anthropol. Inst. Gt. Brit. & Ireland; Brit. Asn. Social Anthropol. Social anthropology. Publ: Desert people, Angus & Robertson, Sydney, Australia, 62; The lineage system of the Mae Enga of New Guinea, Oliver & Boyd, Edinburgh, Scotland, 65; Gadjari among the Walbiri of Central Australia, Univ. Sydney, 67. Address: Dept. of Anthropology, Queens College, Flushing, N.Y. 11367.
- MEHEARG, PROF. L(ILLIEN) ERL, b. Parkdale, Ark, Oct. 2, 18; m. 54. PSYCHOLOGY. B.A. Millsaps Col, 57; M.A. La. State, 58; Ph.D.(psychol), Southern Mississippi, 63. Intern, N.Y. Dept. Ment. Hyg, 59-60; exec. dir. ment. health center, La. Dept. Hosps, 60-61, res. dir, Dept, 62-64; asst. prof. PSYCHOL, SOUTHERN MISSISSIPPI, 64-65, assoc. prof, 65-68, PROF, 68- DIR. PSYCHOL. CLIN, 64- DIR. CLIN. PSYCHOL. TRAINING, 66- Consult, Vet. Admin. Hosps, Gulfport & Jackson, Miss, 67- AAAS; Psychol. Asn. Intermittent and secondary reinforcement; behavior therapy; bio-social theories of personality and neuroses. Publ: Dual secondary reinforcing cues and two schedules of intermittent reinforcement in avoidance conditioning, Am. Psychologist, Vol. 18, No. 7, co-auth, Characteristics of successful and unsuccessful employers of mentally retarded, South. J. Ed. Res, 67 & Dual secondary reinforcing cues and two schedules of intermittent reinforcement under conditions of positive reinforcement, South. Quart, 68. Address: 3601 Morningside Dr, Hattiesburg, Miss. 39401.
- MEHLING, PROF. JACOB G(EOURGE), b. Scottsbluff, Nebr, Sept. 14, 13; m. 38; c. 2. ACCOUNTING, ECONOMICS. B.B.A. Walla Walla Col, 34; M.A., Washington, 47, Indiana, 53. Acct. & instr. commercial, Yakima Valley Acad, Wash, 34-37; Columbia Acad, 37-39; treas. & instr, Auburn Acad, 39-46; ASST. PROF. ECON. & ACCT, WALLA WALLA COL, 47- CHMN. DEPT. BUS. ADMIN, 53- Acct. Asn; Econ. Asn. Corporate income reporting procedures. Address: Walla Walla College, College Place, Wash. 99324.
- MEHLMAN, PROF. BENJAMIN, b. Brooklyn, N.Y., Feb. 29, 24; m. 47; c. 3. PSYCHOLOGY. B.A. Brooklyn Col, 44; Ph.D.(psychol), Syracuse, 51. Clin. psychologist, Toledo State Hosp, Ohio, 50-51; asst. prof. psychol, Kent State, 51-55, assoc. prof, 55-60; scientist & adminstr, career develop. rev. br, Nat. Insts. Health, 60-62; PROF. PSYCHOL, SAN FERNANDO VALLEY STATE COL, 62-, chmn. dept, 62-65. U.S.A., 43-46, T/Sgt. Psychol. Asn. Personality theory; person perception; psychotherapy. Publ: Group play therapy with mentally retarded children, J. Abnorm. & Soc. Psychol, 48: 53-60; Of mice and men: the minimal man and the maximal mouse, J. Gen. Psychol, 69:75-94; Animal research and human psychology, J. Humanistic Psychol, spring 67. Address: Dept. of Psychology, San Fernando Valley State College, 18111 Nordhoff St, Northridge, Calif. 91324.
- MEHMEL, DR. P(HILIP) VINCENT, b. Winnipeg, Man, Sept. 16, 27; U.S. citizen; m. 52; c. 4. CLINICAL PSYCHOLOGY. B.A., Manitoba, 48, M.A., 50; Claremont Grad. Sch. & Grad Center, summer 52; Regina Col, 57; Ph.D., Western Reserve, 58. Asst. psychol, Manitoba, 49-50; local adminstr, Flood Relief Prog, Red River Valley, 50; res. psychologist, multiple sclerosis serv, Community Attitudes of Ment. Health, 51; psychologist, Regina Jail, Sask. Dept. Pub. Health, 52, Regina Ment. Health Center, 52-53, chief clin. psychologist, 55-58; psychologist, dept. psychiat, Univ. Hosp, Cleveland, Ohio, 53-54; sch. psychologist, pub. schs, Ohio 54-55; AREA PROG. DIR. & CHIEF CLIN. PSYCHOLOGIST, WEST CENT. MENT. HEALTH CENTERS, 58- Instr, Willmar State Jr. Col, 62- Consult, Munroe Wing Psychiat Unit, Regina Gen. Hosp, 51-53; Phys. Restoration Center, Regina, Sask, 52-53, 56-57; Harrow de Groot Sch. Retarded Children, 55-58; Willmar State Hosp, Minn, 59-62, pub. schs, minn, 58-; Rice Mem. Hosp, Willmar, 68- Dipl. clin. psychol, Am. Bd. Exam. Prfln. Psychol. Am. Psychol. Asn; Can. Psychol. Asn. Provision of comprehensive coordinated area-wide mental health services; provision of ongoing in-service mental health training to community resource persons; prevention of personality adjustment disorders. Address: 323 W. Sixth St, Willmar, Minn. 56201.
- MEHORTER, DR. JAMES TWYFORD, b. East Orange, N.J., Jan. 4, 30; m. 54; c. 2. EDUCATIONAL PSYCHOLOGY. B.Sc. Bridgeport, 54, Univ. fel, 54-55, M.Sc., 55; Du Pont fels, Virginia, 55-57, Univ. fel, 57-64, D.Ed.(ed. psychol), 64. Instr. ed. psychol, West Virginia, 57-58; asst. prof. Vermont, 58-62; prof. psychol. & dean students, Berkshire Community Col. 62-63; sr. researcher & exten. prof. ed. psychol, Virginia, 63-64; ASSOC. PROF. PSYCHOL. & CHMN. ACAD. HONORS PROG, MONTCLAIR STATE COL, 64- Prfln. lectr, 65- Mem. bd. dirs. & exec. cmt, Humane Soc. U.S. 57- AAAS; Psychol. Asn; Asn. for the Gifted; Coun. Except. Children. Psychology of genius; differential psychology and cognitive processes, specifically the cognitive schema of intellectually gifted individuals above 180 on the intelligence continuum. Publ: Psychology of cruelty, Humane Soc. U.S. 66; Self and society, Univ. Virginia Ed. Rev, 64; Adjustment problems of the intellectually gifted, Spec. Ed. in Can, 66. Address: Dept. of Psychology, Montclair State College, Upper Montclair, N.J. 07043.
- MEHR, PROF. JOSEPH, b. New York, N.Y., Oct. 8, 17; m. 47; c. 2. MANAGEMENT SCIENCE, RESEARCH ADMINISTRATION. B.S. Long Island, 38; M.P.A., N.Y. Univ, 56, Ph.D.(pub. admin), 63. Instr. aircraft sysys, U.S. Army Air Force Tech. Training Command, 41-46; training specialist, Vet. Admin, 46-51; training officer, U.S. Naval Training Device Center, 52-57, ops. res. analyst, 57-58, asst. planning officer, 58-62, planning officer, 62-64, res. adminstr, 64-67; PROF. GRAD. MGT. ENG. LONG ISLAND, 67-, adj. asst. prof. bus. admin, grad. sch. bus. admin, 64-66, adj. assoc. prof, 66-67. Superior serv. awards, U.S. Dept. Navy, 56 & 57. U.S.A., 43-46. AAAS; Inst. Mgt. Sci; Statist. Asn; Opers. Res. Soc; Research Soc. Application of methods and techniques of science to planning, administration and management; executive decision making; quantitative approach to management processes; scientific, technical and educational writing. Publ: Analysis of the employee development program of the Department of the Navy; co-auth, Organizing for research, Naval Res. Rev, 11/64. Address: 40 Fox Place, Hicksville, N.Y. 11801.
- MEHREN, DR. GEORGE L(OUIS), b. Sacramento, Calif, July 6, 13; m. 38; c. 2. AGRICULTURAL ECONOMICS. A.B. California, 38, Ph.D.(agr. econ), 42. Asst, California, Berkeley, 38-40, assoc. agr. econ, 40-42, Instr, 45-46, asst. prof, 46-48, assoc. prof, 48-52, prof, 52-62, economist, exp. sta. &

- Giannini Found, 47-62, dir. found, 57-62; ASST. SECY. AGR. U.S. DEPT. AGR, 63-, DIR. SCI. & ED, 65- Vis. prof. & dean, Int. Center Training Agr. Econ. & Statist, Univ. Rome-Food & Agr. Orgn, UN, 56; chmn, statewide dept. agr. econ. & curriculum bus. admin, Univ. California, 57-, mem. exec. bd, inst. studies, 57-, v.chmn, 59, mem. exec. bd, sch. bus. admin, 57-, faculty adv. bd, inst. indust. rels, 57-, coord. mem. water resources center, 57-, wildlife res. center, 58- Dir. food & restaurant div, OM. Price Stabilization, 51-52, acting dir. price opers, 52, consult. to dir, 52-53. Agr. econ. collab, U.S. Dept. Agr, 49-; consult, div. econ, State Dept. Agr, Calif, 50-; Econ. Stabilization Admin, 51; For. Opers. Admin, D.C, 52-53; Mutual Security Admin, 52-53; Ministry Food & Agr, U.K. & Secy. State for Scotland, 52-53; Ministry Agr, Repub. Venezuela, 52-53, Coun. Rural Well-Being, Caracas, 52-54; Nat. Defense Exec. Reserve, Off. of President, 55-; Off. Civil & Defense Mobilization, 55-; Food & Agr. Orgn, UN, Rome, 56; U.S. Opers. Mission & Ministry Agr. & Forestry, Korea, 61; Int. Coop. Admin, U.S. Dept. State, 61. Mem. Int. Conf. Agr. Econ, 58-; bd. dirs, Commodity Credit Corp, 63-; Fed. Coun. Sci. & Tech, 65-; Fed. Interagency Cmt. Ed, 66- U.S.N.R., 42-45, Lt. Agr. Econ. Asn; Mkt. Asn.(managing ed, J. Mkt, 54-55, ed-in-chief, 56-57). Market theory; organization of agricultural marketing. Publ: Market control; Price support; Economic theory. Address: 4000 Massachusetts Ave. N.W., Apt. 1524, Washington, D.C. 20016.
- MEHTA, DR. SURINDER KUMAR, b. Lahore, Pakistan, India, Dec. 4, 32; nat. SOCIOLOGY, DEMOGRAPHY. B.Sc. Oregon, 52, Pop. Coun. fel, 54-55, M.A. 55; Marshall Field fel, Chicago, 55-56, Carnegie fel, 56-57, Ph.D. 59. Asst. sociol, Oregon, 52-54; demog, Chicago, 56-57; instr. SOCIOL, Brown, 57-59, asst. prof, 59-62; asst. prof, Pennsylvania & res. assoc, pop. studies center, 62-66, sr. res. assoc, 66-68; ASSOC. PROF, MASSACHUSETTS, AMHERST, 68- Am. Inst. Indian Studies faculty res. fel, 65-66. Consult, U.S. Bur. Census, 64- Sociol. Asn; Pop. Asn. Am; Soc. Sci. Study Pop; Geog. Soc. India; Indian Sociol. Soc. Human ecology; underdeveloped countries; ecological structure of cities and the demographic social and economic characteristics of urban population in the industrialized and developing countries. Publ: Business structure and location patterns, Rhode Island, 1929-1958, Brown Univ, 63; Some demographic and economic correlates of primate cities: a case for reevaluation, Demography, Vol. I, 64; Patterns of residence in Poona(India) by income, education, and occupation (1939-1965), Am. J. Sociol, Vol. 73, 68. Address: Dept. of Sociology, University of Massachusetts, Amherst, Mass. 01002.
- MEIBURG, DR. CHARLES O(WEN), b. Seneca, S.C., Dec. 17, 31; m. 55; c. 2. ECONOMICS. B.S. Clemson Col, 53; M.A. Virginia, 58, Ph.D. 60. Asst. bur. pop. & econ. res, Virginia, 56-59; asst. prof, econ, Ohio, 59-61; res. assoc, food res. inst, Stanford, 61-63, asst. prof. agr. econ, 63-64; ASSOC. PROF. BUS. ADMIN, GRAD. SCH. BUS. ADMIN, VIRGINIA, 64-, DIR. BUR. POP. & ECON. RES, 67-, assoc. dir, 64-67. Sig.C, U.S.A. 53-55, 1st Lt. Econ. Asn; Agr. Econ. Asn. Political economy; problems of state and local government finance; structure and performance in banking industry. Publ: Co-auth, Agricultural productivity in the United States: 1870-1960, Food Res. Inst. Studies, 5/62; auth, Non-farm inputs as a source of agricultural productivity, J. Farm Econ, 12/62; Economic analysis of highway services, Quart. J. Econ, 11/63. Address: Bureau of Population & Economic Research, University of Virginia, Charlottesville, Va. 22903.
- MEICHENBAUM, DR. DONALD, b. New York, N.Y., June 10, 40; m. 66; c. 1. CLINICAL PSYCHOLOGY. B.A. City Col. New York, 62; M.A. Illinois, 65, Ph.D.(clin. psychol), 66. ASST. PROF. CLIN. PSYCHOL, WATERLOO, 66- U.S. Pub. Health Serv. study fel, 65-66; Ont. Ment. Health res. grants, 67-69. Psychol. Asn. Behavior modification and psychotherapy; development of cognitive processes; parameters of self control. Address: Dept. of Psychology, University of Waterloo, Waterloo, Ont. Can.
- MEIER, PROF. AUGUST, Am. Negro Studies, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MEIER, PROF. GERALD M(ARVIN), b. Tacoma, Wash, Feb. 9, 23; m. 54; c. 2. ECONOMICS. B.A. Reed Col, 47; Rhodes scholar, Oxford, 48-50, 51-52, B.Litt, 52; Ph.D.(econ), Harvard, 53. Instr, Williams Col.(Mass), 52-54; asst. prof. econ, Wesleyan, 54-56, assoc. prof, 56-59, PROF, 59-63; INT. ECON, STANFORD, 63- Vis. asst. prof, Yale, 55-56, vis. lectr, 56-59, vis. prof, 59-61; Stanford, 62. U.S.A.A.F, 43-46. Econ. Asn; Economet. Soc; Royal Econ. Soc. International economic law and development. Publ: International trade and development, 63 & International economics of development, 68, Harper; Leading issues in development economics, Oxford Univ, 64. Address: Graduate School of Business, Stanford University, Stanford, Calif. 94305.
- MEIER, PROF. GILBERT W, Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.
- MEIER, PROF. MANFRED JOHN, Psychol, see Suppl. V to 11th ed, Phys. & Biol. Vols.
- MEIER, PROF. NORMAN C(HARLES), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.
- MEIER, PROF. RICHARD L(OUIS), b. Kendallville, Ind, May 16, 20; m. 44; c. 3. SOCIAL SCIENCE. B.S. Illinois, 40; M.A. California, Los Angeles, 42, Ph.D. 44. Res. chemist, Calif. Res. Corp, 43-47; exec. secy, Fedn. Am. Scientists, 47-49; asst. prof. prog. ed. & res. in planning, Chicago, 50-58; lectr. & res. soc. scientist, ment. health res. inst, Michigan, 57-67, assoc. prof. conserv, sch. natural resources, 60-65, PROF. resources planning, 65-67; ENVIRON. DESIGN, CALIFORNIA, BERKELEY, 67- Vis. lectr, Harvard, 59-60; prof, Athens Tech. Inst, 62-63; Ford Found. travel-study award, Greece, Japan, India & Hong Kong, 66- AAAS; Sociol. Asn; Chem. Soc; Geog. Soc; Soc. Study Social Probs; Soc. Int. Develop; Soc. Gen. Sys. Res; Marine Tech. Soc. Publ: Communications theory of urban growth, Mass. Inst. Tech, 62; Developmental planning, McGraw, 65; Resource-conserving urbanism for South Asia, Sch. Natural Resources, Univ. Michigan, 67. Address: Dept. of City & Regional Planning, University of California, Berkeley, Calif. 94720.
- MEIER, DR. ROBERT C, b. Oak Park, Ill, Jan. 24, 31; m. 58; c. 1. MANAGEMENT SCIENCE. B.S. Indiana, 52; M.A. Minnesota, 55, Ph.D.(bus), 61. PROF, WASHINGTON (SEATTLE), 61- Quantitative analysis of administrative and operating problems. Publ: Co-auth, An introduction to mathematics for business analysis, 60 & Cases in manufacturing management, 65, McGraw. Address: Graduate School of Business Administration, University of Washington, Seattle, Wash. 98105.
- MEIERHENRY, DR. WESLEY C, Hist. & Philos. of Ed, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MEIGHAN, PROF. CLEMENT W(ODWARD), b. San Francisco, Calif, Jan. 21, 25; m. 47, 60. ANTHROPOLOGY. Ph.D.(anthrop), California, 53. Archaeologist, archaeol. surv, California, 51-52; instr. ANTHROP, CALIFORNIA, LOS ANGELES, 52-54, asst. prof, 54-59, assoc. prof, 59-62, PROF, 62-, chmn. dept, 60-63. U.S.A. 43-47. AAAS; fel. Am. Anthropol. Asn; fel. Am. Geog. Soc. American archaeology; excavations in western Mexico. Publ: Archaeology: an introduction, Chandler Pub, 66; Coville Rock Shelter, Inyo County, California, Anthropol. Record, Univ. California; New method for the seriation of archaeological collections, Am. Antiq. Address: Dept. of Anthropology, University of California, Los Angeles, Calif. 90024.
- MEIGS, DR. A(LEXANDER) J(AMES), b. Ancon, C.Z, Mar. 9, 21; m. 50; c. 4. ECONOMICS. A.B. Harvard, 48; Ph.D.(econ), Chicago, 60. Asst. prof. econ. & researcher, Arkansas, 50-53; bus. economist, Fed. Reserve Bank of St. Louis, 53-61; economist, N.Y. Stock Exchange, 61-64; V.PRES, FIRST NAT. CITY BANK, 64- Lectr, univ. col, Washington (St. Louis), 54-56. U.S.A.A.F, 43-46. Econ. Asn; Statist. Asn; fel. Asn. Bus. Econ; Finance Asn. Economic theory; money and banking; corporate finance; financial institutions. Publ: Free reserves and the money supply, Univ. Chicago, 62; The changing role of banks in the market for equities, J. Finance, 5/65; Recent innovations in the functions of banks, Am. Econ. Rev, 5/68. Address: First National City Bank, 399 Park Ave, New York, N.Y. 10022.
- MEIGS, DR. PEVERIL, b. Flushing, N.Y., May 5, 03; m. 28; c. 2. GEOGRAPHY, CLIMATOLOGY. A.B. California, 25, fel, 25-28, Ph.D.(geog), 34. Instr, Calif. State Teachers Col, San Francisco, 29; from asst. prof. to prof. geog, Chico State, 29-42; from geogr. to res. analyst, Off. Strategic Serv, D.C, 42-44; from ed. to ed-in-chief, Joint Intel. Study Pub. Bd, 44-47; prof, George Washington, 48; analyst, Arctic Inst. N.Am, 48-49; from geogr. to chief earth sci. div, Off. Qm. Gen, U.S. Dept. Army, 49-53, chief earth sci. div, qm. res. & eng. center, Mass, 53-65; RETIRED. Prof, La. State, 38-39; American Univ, 48. Chmn. arid zone cmn, Int. Geog. Union, 52-68. AAAS; Asn. Am. Geog; Am. Meteorol. Soc; Am. Geog. Soc; Fel. Royal Geog. Soc. Climatology; regional, historical and economic geography; deserts; geography of Baja California, Mexico; tide mills. Publ: The Dominican Mission Frontier of lower California; World distribution of arid and semiarid homoclimates; Geography of coastal deserts, UNESCO, 66. Address: 147 Pelham Island Rd, Wayland, Mass. 01778.
- MEIKLEJOHN, PROF. DONALD, Philos. of Law, Polit. Theory, see 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- MEILE, DR. RICHARD L(AWRENCE), b. Freeport, Ill, July 13, 32; m. 54; c. 4. SOCIOLOGY. B.S. Illinois State, 54; M.A. Nebraska, 56; Ph.D.(sociol), Washington, 61. Instr. sociol, Washington, 58-61; ASST. PROF, Oklahoma, 61-62; SOCIOL, NEUROL. & PSYCHIAT, NEBRASKA, 62- Nat. Inst. Ment. Health grant & proj. dir, 64-66. Sociol. Asn. Medical sociology; epidemiology of mental illness; social organization; social factors in psychiatric referral. Publ: Occupational choice: expressive and instrumental types, In: Essays in honor of John A. Kinneman, Illinois State Univ, 65; co-auth, Considerations of alternative help sources, In: A sociological framework for patient care, Wiley, 66 & The relative effectiveness of two models for scoring the Mid-Town Psychological Disorder Index, Community Ment. Health, winter 67. Address: Dept. of Sociology, University of Nebraska, Lincoln, Nebr. 68503.
- MEINIG, PROF. DONALD W(ILLIAM), b. Palouse, Wash, Nov. 1, 24; m. 46; c. 3. GEOGRAPHY. B.S. Georgetown, 48; M.A. Washington (Seattle), 50, Ph.D.(geog), 53. Instr. GEOG, Utah, 50-51, asst. prof, 51-56, assoc. prof, 56-59; SYRACUSE, 59-62, PROF, 62- Res. grants, Am. Philos. Soc, 54, Utah, 55; Fulbright res. scholar, Adelaide, 58; Guggenheim Mem. Found. res. fel, 66-67. Asn. Am. Geog.(meritorious contribution award, 65); Inst. Australian Geog. Historical and cultural geography. Publ: On the margins of the good earth: the South Australian wheat frontier, 1869-1884, Asn. Am. Geog; The Mormon culture region, Ann. Asn. Am. Geog, 6/65. Address: Dept. of Geography, Syracuse University, Syracuse, N.Y. 13210.
- MEINKE, DR. DEAN L(EE), b. Portage, Wis, Nov. 25, 32; m. 56; c. 2. EDUCATIONAL PSYCHOLOGY, PSYCHOLOGY. B.A. Wis. State, Superior, 54, M.A. 61; Ph.D.(ed. psychol, psychol), Wisconsin, 66. Asst. ed. psychol, Wisconsin, 61-64; instr. ed. psychol, Miami (Ohio), 64-65; ASST. PROF. PSYCHOL, INDIANA STATE, 65- U.S.A.F, 54-57, Res, 57-, Capt. AAAS; Psychol. Asn; Ed. Res. Asn. Learning; conceptual learning; verbal learning; teaching process; concept of teacher's role; motivation of students. Publ: Co-auth, Word frequency of synonym responses as a function of word frequency of stimulus and list position of the responses, Psychonomic Sci, 65; Information processing in concept attainment tasks, Teachers Col. J, 66; The relationship between learning concepts and student achievement, Coop. Res. Proj, 66. Address: Dept. of Psychology, Indiana State University, Terre Haute, Ind. 47809.
- MEINKOTH, DR. MARIAN R(ICHARDS), b. Wayne Co, Ill, June 30, 14; m. 38. ECONOMICS. Ed.B. Southern Illinois, 35; A.M. Illinois, 36, fel, 44-45, Ph.D. 47. Asst. Illinois, 42-44, instr, 45-47; asst. prof. ECON, TEMPLE, 47-63. ASSOC. PROF, 63- Economic theory; business cycle theory; labor economics. Publ: Comparative economic systems & Capitalism, an evaluation, In: Introduction to modern economics; Migration in Thailand with particular reference to the Northeast, Econ. & Bus. Bull, Temple, 6/62. Address: 431 W. Woodland Ave, Springfield, Pa. 15144.

- MEISEL, PROF. JAMES H, b. Berlin, Germany, July 16, 00. POLITICAL SCIENCE. Ph.D. Heidelberg, 22. Vis. lectr. polit. sci. & hist, Wilson Col, 40-41; acting head dept, Col. of Idaho, 41-42; lectr. POLIT. SCI, MICHIGAN, 45-47, asst. prof, 47-51, assoc. prof, 51-56, PROF, 56- Polit. Sci. Asn. Political theory and comparative government. Publ: The myth of the ruling class, Univ. Michigan, 58; The fall of the republic, military revolt in France, Univ. Michigan, 62; Counter-revolution, Atherton, 66. Address: 838 Heath-erway, Ann Arbor, Mich. 48104.
- MEISEL, PROF. JOHN, b. Vienna, Austria, Oct. 23, 23; Can. citizen; m. 49. POLITICAL SCIENCE. B.A. Toronto, 48, M.A. 50; Ph.D.(econ), London, 59. Asst. prof. polit. sci, QUEEN'S (ONT), 53-60, assoc. prof, 60-64, PROF. POLIT. STUDIES, 64-, HEAD DEPT, 65- Res. supvr, Royal Cmn. Bilingualism & Biculturalism, 64-66. Co-ed, Can. J. Polit. Sci, 67- Political sociology; psephology. Publ: The 1957 Canadian general election; ed, Papers on the 1962 election, Univ. Toronto, 64. Address: Dept. of Political Studies, Queen's University, Kingston, Ont. Can.
- MEISELMAN, PROF. DAVID I(SRAEL), b. Boston, Mass, May 21, 24. ECO-NOMICS. A.B. Boston, 46; M.A. Chicago, 50, Ph.D. 61. Instr. econ. Ill. Inst. Tech, 50-55; finance, Northwestern, 55, mem. workshop on money & banking, 54-55; res. assoc. Nat. Bur. Econ. Res, 55-58; instr. econ, Chi-cago, 59-60, asst. prof, 60-62; financial economist, U.S. Dept. Treas, 62-63; sr. economist, banking & currency cmm, U.S. House Rep, 63-64; fiscal mis-sion to Peru, 64; Off. Comptroller of Currency, 64-66; F.R. BIGELOW PROF. ECON. & DR. BUR. ECON. STUDIES, MACALESTER COL, 66- Ford Found. award, 61; lectr, Hopkins, 63-64; vis. prof, Minnesota, 67- Consult, U.S. Dept. Treas, 62-; sr. consult, World Bank, 66- U.S.A. 42-46. Am. Econ. Asn; Economet. Soc; Finance Asn; Royal Econ. Soc. Monetary theory and policy; capital theory; risk and risk bearing. Publ: Term struc-ture of interest rates; Bond yields and the price level, Irwin, 63; co-auth, Relative stability of monetary velocity and investment multiplier in the United States, 1897-1958. Address: Dept. of Economics, Macalester Col-lege, St. Paul, Minn. 55101.
- MEISELS, DEAN JOSEPH F, b. Tarnopol, Austria, Aug. 1, 11; U.S. citizen; m. 38; c. 2. SOCIAL WORK, SOCIOLOGY. A.B. Nebraska, 42; M.Sc. Pitts-burgh, 45; Ph.D.(soc. work), Minnesota, 62. Res. asst. soc. work, Bur. Soc. Res, Pittsburgh, Pa, 45-49; asst. dir. soc. work, Jewish Fedn. & Coun, Kan-sas City, 49-51; asst. prof. soc. res, Kansas, 51-57, assoc. prof, 57-63, prof, 63-68, chmn. dept, 58-68; PROF. SOC. WORK & DEAN SCH, BOSTON, 68- Field instr. & thesis adv, sch. soc. work, Pittsburgh, 45-49; res. con-sult, Community Studies, Inc, Mo, 51-57; mem. accreditation cmm, Coun. Soc. Work Ed, 54-57. Child welfare. Publ: Day care study, 53 & Social change and institutional care, 56, Community Studies, Inc; co-auth, Un-answered questions about foster care, Soc. Serv. Rev, 58. Address: School of Social Work, Boston University, 264 Bay State Rd, Boston, Mass. 02215.
- MEISELS, DR. MURRAY, b. Los Angeles, Calif. Feb. 23, 40. CLINICAL PSYCHOLOGY. B.A. Brooklyn Col, 60; Ph.D.(psychol), State Univ. N.Y. Buffalo, 65. Staff psychologist, Youth Develop. Clin, Newark, N.J. 64-65; ASST. PROF. PSYCHOL, EASTERN MICHIGAN, 65- Psychol. Asn. Per-sonality theory. Publ: Co-auth, Judging personality from voice quality, J. Abnorm. & Soc. Psychol, 64, Social desirability and the semantic differen-tial, Ed. & Psychol. Measurements, 65 & Levels of anxiety, dominant ten-dency, and mirror-tracing performance, Psychonomic Sci, 67. Address: Dept. of Psychology, Eastern Michigan University, Ypsilanti, Mich. 48197.
- MEISNER, DR. MAURICE, Mod. Chinese Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MEISSNER, DR. FRANK, b. Trest, Czech; nat; m. 53; c. 2. MARKETING. B.Sc. Royal Agr. Col. Denmark, 43; M.S. Iowa State, 51; Ph.D.(mkt), Cor-nell, 56. Asst. mkt. Iowa State, 49-56; head mkt. res. distributor sales div, Crown Zellerbach Corp, 56-59; indust. economist & consult, Stanford Res. Inst, 59-60; asst. prof. econ, San Jose State Col, 60-61; assoc. prof. mkt. & world bus, San Francisco State Col, 61-63; sr. mkt. expert, Int. Labor Off. Productivity Mission, Argentina, 63-66; ASST. V.PRES. MKT, LATIN AM. GROUP, W.R. GRACE & CO, 66- Instr, Golden Gate Col, 56-59; Ford Found. faculty fel, California, 61; Found. Econ. Ed. bus. fel, J.C. Penney Co, 62. Mkt. consult, Argentine Minister Commerce, 63-66. Mem, Latin Am. Mkt. Center. R.A.F. 44-46. Econ. Asn; Mkt. Asn.(asst. ed, jour, 62-); Agr. Econ. Asn; Royal Econ. Soc. Agricultural economics; international trade; retailing and corporate planning. Publ: Adventures in world business; Wage costs abroad; U.S. and U.S.S.R. agriculture. Address: 27 Cushman Rd, White Plains, N.Y. 10606.
- MEISSNER, DR. MARTIN, b. Germany, July 17, 27; Can. citizen; m. 50; c. 2. SOCIOLOGY. B.Comm, British Columbia, 58; Ph.D.(sociol), Oregon, 63. Lectr. SOCIOL, BRITISH COLUMBIA, 61-63, asst. prof, 63-67, ASSOC. PROF, 67- Can. Int. Labour fel, 68-69. Can. Sociol. & Anthropol. Asn; Am. Sociol. Asn; Indust. Rels. Res. Asn. Socio-technical systems; work and social participation; non-verbal communication. Publ: Technology and the worker: an analysis of technical demands and social processes in industry, Chandler, 68. Address: Dept. of Anthropology & Sociology, University of British Columbia, Vancouver 8, B.C. Can.
- MEISSNER, DR. P(EARL) BRETNALL, b. Colo, Aug. 2, 06; m. 50. PSYCHOL-OGY. B.A. Ohio State, 29; Ph.D. California, 38. Asst. inst. child welfare, California, 33-39; asst. prof. PSYCHOL, Newcomb Col, Tulane, 39-45; prof, Sarah Lawrence Col, 45-47; from asst. prof. to ASSOC. PROF, BROOKLYN COL, 47-, res. assoc, Naval res. proj, 50-53. Lectr, Bank St. Col. Ed, 54-58; child study dept, Vassar Col, 55-56; State Univ. N.Y. Downstate Med. Center. Consult, Beth Hayeled Sch, N.Y. 47-55; psychoanalytic treatment of children, 55-; psychol. consult, N.Y. Pre-kindergarten Prog, Ossining, 66- Psychol. Asn. Dynamics of children's play; role of teacher and school group relationships in healthy personality development; impact to primary process upon children's more mature thinking. Publ: Co-auth, Personality through perception. Address: Albany Post Rd, Croton-on-Hudson, N.Y. 10520.
- MEISTER, DR. RALPH K, b. Chicago, Ill, Oct. 5, 16; m. 38; c. 3. CLINICAL PSYCHOLOGY. B.S. Chicago, 38, Ph.D.(psychol), 51. Asst. PSYCHOL, Mooseheart Lab. Child Res, Ill, 39-41, res. assoc, 41-43, asst. dir, 43-53; dir, Child Guid. Clin, Mooseheart, Ill, 53-63; CHIEF PSYCHOLOGIST, JEWISH VOC. SERV, 63- Lectr, Aurora Col, 56-62. Consult. psychologist, 57- AAAS; Psychol. Asn. Brain function; projective techniques; psycho-therapy, process and supervision. Address: 806 Hardin, Aurora, Ill. 60506.
- MELAMID, DR. ALEXANDER, b. Freiburg, Germany, Mar. 28, 14; nat; m. 40; c. 2. ECONOMIC GEOGRAPHY. B.Sc, London, 37; fel, New Sch. Soc. Res, 47-52, Ph.D. 52. Lectr, New Sch. Soc. Res, 53-54, asst. prof. geog, 55-57; ASSOC. PROF. ECON. GEOG, N.Y. UNIV, 57- Consult. Asn. Am. Geog; Econ. Asn; Royal Geog. Soc. Geography of the petroleum industry; location theory and political boundaries; Africa economic development. Publ: Eco-nomic geography of neutral territories, Geog. Rev; Geographical distribu-tion of petroleum refining capacities & Geography of the world petroleum price structure, Econ. Geog. Address: 15 Ellsworth Ave, Yonkers, N.Y. 10705.
- MELANDER, DR. EUGENE REUBEN, b. Minneapolis, Minn, Feb. 11, 30; m. 53; c. 3. ECONOMICS, QUANTITATIVE ANALYSIS. B.B.A. Minnesota, 53, H.B. Earhart Found. fel, 59, M.A. 60, Ford Found. fel, 61, Ph.D.(econ), 67. Instr. Minnesota, 56-61; lectr, PA. STATE, 62-65, ASST. PROF. BUS. STATIST, 65- U.S.A. 48-49, Res, 49-53, Sgt. Econ. Asn; Statist. Asn. Publ: Co-auth, Determinants of household life insurance premium expenditures, J. Risk & Ins, 9/67. Address: College of Business Administration, Pennsylvania State University, University Park, Pa. 16802.
- MELBIN, DR. MURRAY, b. New York, N.Y., Sept. 26, 27. SOCIOLOGY. B.A. N.Y. Univ, 51; M.S. Cornell, 54; Ph.D.(soc. psychol), Michigan, 59. Asst. soc. scientist, McLean Hosp, 59-66; instr. psychiat, med. sch, HARVARD, 60-66, lectr. soc. rels, univ, 61-66, RES. ASSOC. SOCIOL. MED. SCH, 66-; ASST. SOCIOLOGIST, MASS. GEN. HOSP, 66- Nat. Inst. Ment. Health res. grants, 62-66; Nat. Insts. Health res. grant, 67-68. U.S.A. 45-46. AAAS: fel. Sociol. Asn. Interaction of personality and social structure in influ-encing human behavior; concepts and measurement of interpersonal behavior; history and philosophy of science. Publ: Mapping uses and methods, In: Human organization research; Exploding the myth of the psychiatric aide, In: Dialogues: approaches to selected mental health problems, West. Interstate Cmn. Higher Ed, 63; co-auth, Formal structure and rational organization theory; a case study, Human Orgn, 64. Address: Massachusetts General Hospital, Boston, Mass. 02114.
- MELBY, PROF. JOHN F, b. Portland, Ore, July 1, 13; m; c. 2. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. A.B. Ill. Wesleyan, 34; M.A. Chicago, 36, Ph.D.(int. rels), 41; hon. Litt.D. Lincoln Col, 50. For. serv. officer, U.S. Dept. State, 37-53; res. asst. southeast Asian studies, Yale, 54-55; assoc. lectr. polit. sci. & dir. for. students, Pennsylvania, 55-64; PROF. POLIT. SCI. & STUDIES & CHMN. DEPT, GUELPH, 66- American foreign policy; contemporary China since 1945. Address: Dept. of Political Studies, Wellington College, University of Guelph, Guelph, Ont. Can.
- MELCER, DR. DONALD, b. Dallas, Tex, Dec. 10, 28; m. 63; c. 3. PSYCHOL-OGY, EDUCATION. B.B.A. Southern Methodist, 50; United Cerebral Palsy Asn. fel, Texas, Austin, 63-65, Ph.D.(ed. psychol), 66. Dir. Austin Cerebral Palsy Center, 62-63; RES. COORDINATOR, RES. & DEVELOP. CENTER TEACHER ED, TEXAS, AUSTIN, 65-, LECTR. ED. PSYCHOL, 67- Off. Ed. res. grant, 65-66. Consult. Hope House, 67- Psychol. Asn; Ed. Res. Asn. Cognitive development in children; teacher-pupil interaction in the class-room; diagnosis, therapy and educational programming for multiple handi-capped children. Publ: Educating Mexican-American children: a contempo-rary problem, The Record, 4/67. Address: Drawer J, University Station, University of Texas, Austin, Tex. 78712.
- MELCHER, DR. ARLYN J, b. Monroe, Nebr, Sept. 5, 31; m. 57; c. 2. BUSI-NESS ADMINISTRATION. B.S. California, Los Angeles, 53, M.B.A. 54; Ph.D.(indust. rels), Chicago, 64. Staff specialist, South. Calif. Gas Co, 56-58; TEACHER ORGN. THEORY, KENT STATE, 61- U.S.A. 54-56. Sociol. Asn; Acad. Mgt; Soc. Appl. Anthropol. Theory of organizational behavior: development of a systems model and empirical studies; constitutional structure of labor unions; determinants of conflict in collective bargaining. Publ: Central negotiations and master contract: their implications for col-lective bargaining, Labor Law J, 6/55; Organization structure: a framework for analysis and integration, Acad. Mgt. Proc, 12/65; Towards a theory of organizational communication, Acad. Mgt. J, 3/67. Address: College of Business Administration, Kent State University, Kent, Ohio 44240.
- MELCHER, JOHN WILLIAM, b. Waukegan, Ill, Feb. 2, 21; m. 45; c. 6. EDU-CATIONAL PSYCHOLOGY. B.S. Wisconsin, Milwaukee, 43; M.S. Wisconsin, 52. Critic teacher, pub. schs, Wis, 46-49; supvr. schs. except. child, STATE DEPT. PUB. INSTR, WIS, 49-56, ASST. STATE Supt. & DIR. BUR. HANDI-CAPPED CHILDREN, 56- Instr, Wisconsin, 59- Consult. training grants, Dept. Health, Ed. & Welfare, 58-65, res. grants, 58- Mem. spec. mission to Holland & consult. task force, President's Panel Ment. Retardation, 62; mem. nat. resolution cmt, bd. gov, Coun. Except. Children, 64-65, mem. prnl. standards cmt. & 1st v-pres, Coun, 67; mem. nat. adv. cmt. handi-capped children & cmnrs. ed. admin. pub. law, Dept. Health, Ed. & Welfare, 67- Distinguished serv. award, Wis. Asn. Retarded Children, 66. U.S.A.A.F. 43-46. Asn. Ment. Deficiency; fel. Asn. State Dirs. Spec. Ed. (pres, 63). Ad-ministrative service programs for handicapped children. Address: 4111 Paunack Ave, Madison, Wis. 53711.
- MELCHER, PROF. WILLIAM, b. Dadeville, Mo, July 18, 80; m. 15; c. 1. BUSINESS ADMINISTRATION. A.B. Drury Col, 11; A.M. Harvard, 16; Ph.D. Wisconsin, 31; LL.D. Rollins Col, 49. Instr. econ, Wisconsin, 29-31; prof. BUS. ADMIN, Fla. South. Col, 31-34; ROLLINS COL, 34-61, EMER. PROF, 61- Instr, exten, Florida, 33-; Am. Inst. Banking, 34-35, 55. Econ. Asn; Acad. Polit. & Soc. Sci; Royal Soc. Arts. Costs of production; personnel and management; human engineering in industry. Address: 160 Rockwood Way West, Winter Park, Fla. 32789.

- MELCHING, DR. WILLIAM H(OWARD), b. Ossian, Ind, Jan. 21, 20; m. 46; c. 2. PSYCHOLOGY. A.B. Indiana, 48; Ph.D.(psychol), California, Los Angeles, 53. Res. psychologist, radio-biol. lab, Texas, 52-54; asst. prof. psychol, Tex. Tech. Col, 54-61; SR. RES. SCIENTIST, HUMRRO DIV. 5, FORT BLISS, 61- U.S.M.C., 42-46. Psychol. Asn. Programming; motivation; learning. Publ: Measures of ability and programmed instruction performance, 65 & co-auth, The analysis, derivation and classification of instructional objectives, 66, HUMRRO, George Washington Univ; auth, Acquired reward value of an intermittently presented neutral stimulus, J. Comp. & Physiol. Psychol. Address: 3503 Capella, El Paso, Tex. 79904.
- MELDER, PROF. F(REDERICK) EUGENE, b. Caldwell, Idaho, Nov. 11, 04; m. 28; c. 3. ECONOMICS. B.B.A., Washington (Seattle), 26, A.M., 31; Ph.D., Wisconsin, 36. Asst. prof. econ. & sociol, Maine, 34-37; Clark, 37-43, assoc. prof, 46; mem. staff, War Labor Bd, Mich, 43-45; assoc. prof. econ, Reed Col, 46-49; mem. staff community col. prog, State Syst. Higher Ed, Ore, 49-50; assoc. prof. ECON, CLARK, 50-56, PROF, 56- Adv. Coun. State Govts, 39; Fulbright res. scholar, Sheffield; Fulbright lectr, Haile Selassie, 64-65. Consult, U.S. Mkt. Laws Surv, 39. Econ. Asn; Indust. Rels. Res. Asn; Asn. Evolutionary Econ. Barriers to local and interstate commerce in the United States; federal regulation of interstate trade in the United States; economic development of the automobile industry; economic problems and change in underdeveloped areas. Address: Dept. of Economics, Clark University, Worcester, Mass. 01610.
- MELEZIN, DR. ABRAHAM, b. Odessa, Russia, June 29, 10; U.S. citizen; m. 48; c. 1. GEOGRAPHY. Dr.Sc.(geog), Stephan Batory Univ, Poland, 39. ASST. PROF. GEOG, Trenton State Col, 60-64; CITY COL. NEW YORK, 64- Am. Asn. Geog; Nat. Coun. Geog. Ed; Am. Geog. Soc; Can. Asn. Geog. Human geography; geography of the Union Soviet Socialist Republics, especially its socio-economic aspects. Publ: Trends and issues in the Soviet population geography, Ann. Am. Asn. Geogr, 63. Address: Woodfern Rd, Box 405, Neshaic Station, N.J. 08853.
- MELGES, DR. FREDERICK TOWNE, b. Battle Creek, Mich, Dec. 2, 35; m. 58; c. 2. PSYCHIATRY, EXPERIMENTAL PSYCHOLOGY. A.B., Princeton, 57; M.D., Columbia, 61. Med. intern, Michigan, 61-62; res. PSYCHIAT, Strong Mem. Hosp, Univ. Rochester, 62-64, chief res. & instr, 64-65; Nat. Inst. Ment. Health spec. fel, SCH. MED, STANFORD, 65-67, ASST. PROF. PSYCHIAT. & NAT. INST. MENT. HEALTH RES. CAREER DEVELOP. AWARD, 67- Time sense, identification and emotion in mental illness; hormones and behavior. Publ: Co-auth, Emotion: the search for control, N.Holland Pub. Netherlands, 68; auth, Time sense, emotions, and acute mental illness, J. Psychiat. Res, 66; Postpartum psychiatric syndromes, Psychosom. Med, 68. Address: Dept. of Psychiatry, Stanford Medical Center, Stanford University, Palo Alto, Calif. 94304.
- MELHORN, PRES. J. JACK, b. York, Pa, Feb. 10, 21; m. 48; c. 3. SOCIOLOGY. A.B. Elizabethtown Col, 44, hon. LL.D., 65; B.D., Yale, 47; Claremont Grad. Sch, 47-49; M.A., Southern California, 55, Ph.D.(sociol), 67. Draftsman, A.B. Farquhar Co, Pa, 39-41; instr. psychol, Arnold Col, 45-46; sociol, Jr. Col. Commerce, 46-47; assoc. prof, La Verne Col, 47-65; PROF. SOCIOLOG. & PRES. COL, McPHERSON COL, 65- Worker, YMCA, Conn, 44-47. Bogardus soc. res. award, 53. Sociol. Asn; Nat. Coun. Family Rels. Family sociology. Publ: Social maturity, Horizons; Engagement, Prog. Kit; Changing roles in the family, Leader. Address: McPherson College, 1600 E. Euclid, McPherson, Kans. 67460.
- MELICHAR, DR. EMANUEL, b. Cicero, Ill, Mar. 31, 32. ECONOMICS. B.S., Illinois, 53; Ph.D.(agr. econ), Connecticut, 61. Instr. econ, Connecticut, 58-59; ECONOMIST, Fed. Reserve Bank Richmond, Va, 59-62; BD. GOV. FED. RESERVE SYST, 63- Instr, Richmond, 61-62; Richmond Prfl. Inst, 62. U.S.A, 53-55. Econ. Asn; Agr. Econ. Asn. Agricultural credit; rural banking problems; structure of economists' salaries; state individual income taxes. Publ: State individual income taxes, Univ. Connecticut, 63; Farmers' use of credit, J. Farm Econ, 65; co-auth, Structure of economists' employment and salaries, 1964, Am. Econ. Rev, 65. Address: Division of Research & Statistics, Board of Governors, Federal Reserve System, Washington, D.C. 20551.
- MELITZ, DR. JACQUES, b. Paris, France, Dec. 23, 35; U.S. citizen; m. 62; c. 1. ECONOMICS. B.A., California, Los Angeles, 56, M.A., 59, Ph.D.(econ), Princeton, 63. Jefferson Center fel, ECON, Virginia, 60-61, vis. lectr, California, Los Angeles, 61-62; asst. prof, Rice, 62-64; TULANE, 64-65, ASSOC. PROF, 65- Soc. Sci. Res. Coun. faculty res. fel, 65-67. Econ. Asn; Finance Asn. Monetary theory; history of economic thought. Publ: Sigwick's theory of international values, Econ. J, 9/63; Friedman and Mach up on the significance of testing economic assumptions, J. Polit. Econ, 2/65; Pigou and the Pigou effect: rendezvous with the author, South. Econ. J, 10/67. Address: Dept. of Economics, Tulane University, New Orleans, La. 70118.
- MELKER, DR. FELICE H(INDA), Clin. Psychol, see 10th ed, Soc. & Behav. Vols.
- MELL, PROF. MILDRED R(UTHERFORD), b. Athens, Ga, Dec. 5, 90. ECONOMICS, SOCIOLOGY. A.B., Wisconsin, 20; A.M., Georgia, 25; Rosenwald fel, North Carolina, 37-38, Ph.D. 38. Prof. sociol, Shorter Col, 25-37, dean women, 25-30, dean col, 30-37; prof. ECON. & SOCIOLOG, AGNES SCOTT COL, 38-60, EMER. PROF, 60- Sociol. Asn. Address: 344 Kirk Rd, Decatur, Ga. 30030.
- MELLENBRUCH, DR. PARL L(ESLIE), b. Fairview, Kans, 96. PSYCHOLOGY. A.B., Midland Col, 17; A.M., Kansas, 20; fel, Nebraska, 21-23, Ph.D., 24. Prof. ed. & psychol, Wittenberg Col, 23-27, psychol, 27-32, dir. psychol. clin, 27-32; court psychol. adv, 32-42; asst. prof. psychol, Miami (Ohio), 42-45; assoc. prof, Kentucky, 45-56, prof, 56-66; PSYCHOL. EVALUATOR VOC. REHAB, 66- Personnel officer, U.S. Air Force Air Serv. Command, Ohio. Psychol. Asn. Industrial, clinical and abnormal psychology; statistics. Publ: Managements blind spot, Personnel J; The validity of personality inventories & Hypnosis in personnel counseling, J. Exp. Hypnosis. Address: Route 1, Box 40-A, Leesburg, Fla. 32748.
- MELLER, PROF. NORMAN, b. San Francisco, Calif, July 30, 13; m. 36; c. 1. POLITICAL SCIENCE. A.B., California, 42, LL.B., 36; M.A. & Ph.D.(polit. sci), Chicago, 55. Dir. legis. ref. bur, HAWAII, 47-55, PROF. POLIT. SCI, 55-, chmn. dept, 55-58, 64-65, acting dep. chancellor, East-West Center, 61, sr. specialist, 64. Tri-Inst. Pac. Prog. res. grant, 56 & 58; Fulbright res. award, Papua-New Guinea, 67. Consult, Gov. Adv. Cmt. Taxation, Hawaii, 53-54; interior & ins. affairs cmt, U.S. Senate, 60. U.S.N.R., 42-45, Lt.(jg). Soc. Pub. Admin; Polit. Sci. Asn. Public administration; legislative organization and procedure; political development in Melanesia, Micronesia and Polynesia. Publ: Co-auth, Land and politics in Hawaii, Univ. Hawaii, 3rd ed, 66; Fiji goes to the polls, East-West Center, Univ. Hawaii, 68. Address: 2615 Aaliamanu Place, Honolulu, Hawaii 96813.
- MELLETT, DR. THOMAS P(AUL), Psychol, see 10th ed, Soc. & Behav. Vols.
- MELLIN, DR. GILBERT M(YER), b. Pittsburgh, Pa, Feb. 4, 15. ECONOMICS. A.B., Pittsburgh, 40, A.M., 49, Ph.D., 55; Taft scholar, Cincinnati, 40-41. Instr. econ, Pittsburgh, 48-50; asst. prof, Tulane, 50-56; V.PRES, WHITNEY NAT. BANK, 56- Consult, Stanolind Oil & Gas Co, 52. U.S.A, 42-47. Econ. Asn; Geog. Soc; Acad. Polit. Sci. International economic development; economic implications of aid to underdeveloped countries; foreign trade of United States gulf coast. Publ: The Mississippi Shipping Company: a case study in the development of the Gulf Coast; South American and West African trade. Address: Whitney National Bank, P.O. Box 61260, New Orleans, La. 70160.
- MELLISH, DR. GORDON HARTLEY, b. Toronto, Ont, May 3, 40; m. 63; c. 1. ECONOMICS. B.A. Rockford Col, 62; Ph.D.(econ), Virginia, 65. Instr. ECON, Virginia, 64; ASST. PROF, SOUTH FLORIDA, 65- Res. prof, 66-68. Econ. Asn. International economics. Publ: Official intervention and the Canadian dollar, C.J. Devine Inst. Finance, N.Y. Univ, 68; co-auth, Philosophy towards work, In: The student in society, Littlefield, 68 & The economics of concentrated industries, In: Perspectives in economics, 68. Address: Dept. of Economics, University of South Florida, Tampa, Fla. 33620.
- MELLO, DR. NANCY K, b. Brockport, N.Y., Mar. 20, 35. PHYSIOLOGICAL PSYCHOLOGY. B.A., Pa. State, 56, M.S., 57, Ph.D.(psychol), 60. Res. fel. physiol, Harvard Med. Sch, 59-60, psychol, 60-61; res. assoc, Mass. Gen. Hosp. & Harvard Med. Sch, 61-66; res. psychologist, NAT. INST. MENT. HEALTH NAT. CENTER PREV. & CONTROL. ALCOHOLISM, 67, SECT. CHIEF COMP. NEURO-BEHAV, 68- Am. Asn. Univ. Women fel, 60-61; res. psychologist, St. Elizabeths Hosp, 67; asst. prof, sch. med, Hopkins, 68- AAAS; Psychol. Asn; Asn. Res. Nerv. & Ment. Disease. Neuropsychology; neurophysiology; experimental analysis of behavior. Publ: Co-auth, Behavioral evidence for color discrimination in cat, J. Neurophysiol, 64; auth, Concerning the interhemispheric transfer of mirror image patterns in pigeon, Physiol. & Behav, 66; co-auth, Experimental analysis of drinking behavior of chronic alcoholics, Proc. N.Y. Acad. Sci, 67. Address: National Institute of Mental Health National Center for Prevention & Control of Alcoholism, 5454 Wisconsin Ave, Chevy Chase, Md. 20015.
- MELLON, DR. W. GILES, b. Chicago, Ill, Mar. 7, 31; m. 64; c. 1. ECONOMICS. B.A., Virginia, 53; M.A., Princeton, 56, Ph.D.(econ), 62. Instr. econ, Princeton, 56-60; second v.pres, econ. res. dept, Chase Manhattan Bank, 60-66; ASSOC. PROF. ECON, GRAD. SCH. BUS. ADMIN, RUTGERS, NEWARK, 66- Consult, Chase Manhattan Bank, 66-68. Finance Asn; Econ. Asn; Statist. Asn; Economet. Soc. Financial institutions, especially commercial banking. Publ: On the role of distance in international trade theory, Zeitschrift für Nationalökonomie, 59; co-auth, Stochastic reserve losses and bank credit, Am. Econ. Rev, 61; auth, On the use of time series analysis for financial prediction, J. Finance, 64. Address: Graduate School of Business Administration, Rutgers, The State University, Newark, N.J. 07102.
- MELLOR, PROF. JOHN W(ILLIAMS), b. Paris, France, Dec. 28, 28; nat; m. 50; c. 3. AGRICULTURAL ECONOMICS. B.Sc., Cornell, 50, M.Sc., 51, Soc. Sci. Res. Coun. fel, 52-53, Ph.D.(agr. econ), 54; Fulbright scholar, Oxford, 51-52, dipl, 52. Instr. AGR. ECON, CORNELL, 52-54, asst. prof, 54-58, assoc. prof, 58-61, PROF, 61-, assoc. dir, center int. studies, 61-65, dir, 65. Coun. Econ. & Cultural Affairs fel, Balwant Rajput Col, India, 59-60; Rockefeller Found. vis. prof, Indian Agr. Res. Inst, New Delhi, 63-64. Mem. bd. dirs, Int. Vol. Serv, 60- Econ. Asn; Agr. Econ. Asn. Economics of agricultural development; public policy problems of agriculture. Publ: The economics of agricultural development, 66 & co-auth, Developing rural India, 68, Cornell; co-auth, The role of agriculture in economic development, Am. Econ. Rev. Address: Warren Hall, Cornell University, Ithaca, N.Y. 14850.
- MELMAN, PROF. S(EYMOUR), b. New York, N.Y., Dec. 30, 17. INDUSTRIAL ECONOMICS. B.S.S., City Col. New York, 39; Ph.D.(econ), Columbia, 49. Asst. econ, Nat. Indust. Conf. Bd, 44-45; PROF. INDUST. ENG, COLUMBIA, 48- U.S.A, 43-44, 1st Lt. Econ. Asn; Statist. Asn; Soc. Mech. Eng. Industrial productivity. Publ: Ed, Inspection for disarmament; The peace race; Our depleted society. Address: 320 Mudd Bldg, Columbia University, New York, N.Y. 10027.
- MELNIKER, DR. ROBERT, b. New York, N.Y., Aug. 10, 15; m. 46; c. 1. CLINICAL PSYCHOLOGY. B.S.S., City Col. New York, 38; M.A., N.Y. Univ, 51, Ph.D., 57, cert. psychoanal. & psychother, 66. Clin. psychol. intern, Bellevue Med. Center, N.Y. Univ, 52-53; staff psychologist, South Oaks Hosp, 53-54; sr. clin. psychologist, diag. & eval. clin, Queens Gen. Hosp, 54-57; PRACTICING PSYCHOTHERAPIST, 57- Sch. psychologist, Long Beach, N.Y., 57-62; lectr, Yeshiva, 57-; N.Y. Univ, 61. Consult, bd. ed, N.Y., 56. U.S.A, 43-46. Psychol. Asn; Orthopsychiat. Asn. Comparative investigation of techniques of psychoanalytic therapies. Publ: Learning inhibition—a problem of acting out & Acting out and the epigenetic imperative, In: Acting out, Grune, 66. Address: 24 Farrell St, Long Beach, N.Y. 11561.
- MELNYK, DR. MYRON J, b. Bircza, Ukraine, June 2, 20; nat. STATISTICS, ECONOMICS. Dipl, Friedrich Wilhelm Univ. & Friedrich Alexander Univ, Germany, 47; Cobasoo cmt. fel, Louvain, 47-51, lic.en.sci. econ, 48, Dr.econ, 51; Harvard, 52-53. Lectr. econ. & statist, Southern Illinois, 56-

- 57; instr. John Carroll, 57-59, asst. prof. 59-61; KENT STATE, 61-67, ASSOC. PROF. QUANT. METHODS, ECON, 67- Summers, mem. Ford Found. Faculty Seminar, Northwestern, 57, Nat. Sci. Found. Faculty Seminar, Case, 60. Econ. Asn; Statist. Asn. Quantitative methods; macroeconomics. Publ: Les Ouvriers Etrangers en Belgique; Some statistical methods in the study of long swings, Proc. Bus. & Econ. Statist. Am. Statist. Asn, 65 & Long cycles in residential construction, Land Econ, 5/68. Address: Dept. of Management, Kent State University, Kent, Ohio 44240.
- MELNYK, PROF. Z(INOWLI) LEW, b. Ukraine, Oct. 7, 28; nat; m. 57; c. 2. FINANCE, BUSINESS ADMINISTRATION. A.B., Ft. Hays Kans. State Col, 51, M.B.A. Michigan, 53; Ford Found. fel. Mich. State, 59-61, Ph.D.(bus. admin), 61. Acct. Ferry-Morse Seed Co, 53-56; cost acct, Ford Motor Co, 56-57; asst. bus. admin. Mich. State, 57, instr. 58-59; asst. prof. indust. mgt, Purdue, 61-64; assoc. prof. FINANCE, CINCINNATI, 64-67, PROF, 67- Econ. Asn; Finance Asn; Ukrainian Acad. Arts & Sci. in U.S. Capital structure, budgeting and capital markets; cost of capital; capital formation in Ukraine and the Union of Soviet Socialist Republics. Publ: Contrib. ed. The financial handbook, Ronald, 4th ed, 64; auth. Soviet capital formation: Ukraine, 1928/29-32, Ukrainian Free Univ, Germany, 65; co-auth. Theory of managerial finance: selected readings, Allyn & Bacon, 67. Address: College of Business Administration, University of Cincinnati, Cincinnati, Ohio 45221.
- MELOAN, PROF. TAYLOR W(ELLS), b. St. Louis, Mo, July 31, 19; m. 44; c. 2. BUSINESS ADMINISTRATION. B.S.C., St. Louis, 49; M.B.A. Washington (St. Louis), 50; D.B.A. Indiana, 53. Asst. prof. mkt. Indiana, 53-55, assoc. prof. 55-59; PROF. MKT. & BUS. COMMUN. & CHMN. DEPT. SOUTHERN CALIFORNIA, 59- Res. adv. inst. bus. admin. Karachi, 62; vis. prof. IPSOA Grad. Bus. Sch, Turin, Italy, 64. Mkt. Asn; Econ. Asn. Marketing management, research and communications; business policy. Publ: Co-auth. Selling: its broader dimensions, Macmillan, 60; Competition in marketing, Southern California, 64; co-auth. & co-ed. Managerial marketing: policies and decisions, Houghton, 68. Address: School of Business Administration, University of Southern California, Los Angeles, Calif. 90007.
- MELOGRANO, F(RANK) P(AUL), b. New York, N.Y., May 25, 15; m. 45; c. 2. INDUSTRIAL ENGINEERING. B.S. Alabama, 40, fel. & M.S. 41. Asst. dir. indust. rels, Gen. Aircraft Co, 41-45; asst. personnel dir, Fairchild Eng. & Airplane Corp, 45-49; consult. indust. rels, Servomechanisms, Inc, 49-50; head, sci. staff rels, Hughes Aircraft Co, 50-56; dir. indust. rels, Ramo Wooldridge Labs, Thompson Ramo Wooldridge, Inc, 56-60, staff dir. personnel, 60-64, dir. indust. rels, BUNKER-RAMO CORP, 64-66, V.PRES. ADMIN, 66-; ASSOC. PROF. INDUST. ENG. SOUTHERN CALIFORNIA, 56- Lectr, California, Los Angeles. Soc. Eng. Ed; Research Soc. Motivation and incentives for scientific personnel in industrial environment. Address: Bunker-Ramo Corp, 8433 Fallbrook Ave, Canoga Park, Calif. 91304.
- MELONE, DR. JOSEPH JAMES, b. Pittston, Pa, July 27, 31; m. 60; c. 2. ECONOMICS, BUSINESS MANAGEMENT. B.S. Pennsylvania, 53, M.B.A., 54, Ph.D.(econ), 61. Summer investment analyst, Nat. City Bank Cleveland, 53, investment analyst, 54; instr. acct, Pennsylvania, 53-54, ins, 59-61, asst. prof, 61-65, assoc. prof, 65-66; RES. DIR, McCahan Found, 66- Gen. Elec. scholar; Huebner Found. fel. Consult. Kroger Stores Co; John Hancock Life Ins. Co; Monsanto Chem. Co; Am. Ins. Asn. Mem. Pension Res. Coun, Pennsylvania, 62-66; chmn. Cmn. Ins. Terminology, 67- U.S.A., 55-57. Econ. Asn; Sociol. Asn. Economic and behavioral aspects of economic security programs, including private insurance, employee benefit plans and social insurance programs. Publ: Collectively bargained multi-employer pension plans, 63 & co-auth. Pension planning-pensions; profit sharing and other deferred compensation plans, 66, Irwin; Risk and insurance, Prentice-Hall, 64. Address: McCahan Foundation, 270 Bryn Mawr Ave, Bryn Mawr, Pa. 19010.
- MELSON, DR. ROBERT FRANK, b. Warsaw, Poland, Dec. 27, 37; U.S. citizen; m. 64; c. 1. POLITICAL SCIENCE. B.S. Mass. Inst. Tech, 59, For. Area Fel. Prog. fel, 65-66, Nat. Sci. Found. grant, 66, Ph.D.(polit. sci), 67; fel. Yale, 59-61. Res. fel. African polit. Ife, Nigeria, 64-65; ASST. PROF. POLIT. SCI. MICH. STATE, 66- Consult. Peace Corps, 65. Polit. Sci. Asn; Afr. African Studies Asn. Psychological effects of political development with special reference to Africa; race relations. Publ: Politics and the strike, In: The traditions of protest in black Africa, Harvard, 69. Address: Dept. of Political Science, Michigan State University, East Lansing, Mich. 48823.
- MELTON, PROF. ARTHUR W(EEVER), b. Fayetteville, Ark, Aug. 13, 06; m. 46; c. 2. PSYCHOLOGY. A.B., Washington (St. Louis), 28; M.A. Yale, 29, Ph.D.(psychol), 32. Res. assoc. Am. Asn. Mus, 30-32; asst. inst. human rels, Yale, 32-34, instr. psychol, 34-35; assoc. prof. Missouri, 35-37, prof, 37-46, chmn. dept, 35-46; prof, Ohio State, 46-49; res. dir. human resources res. & develop. prog, air training command, U.S. Dept. Air Force, La, 49, dep. for. res. & tech. dir, human resources res. center, 49-54, tech. dir, personnel & training res. center, air res. & develop. command, 54-57; PROF. PSYCHOL, MICHIGAN, 57-, DIR, HUMAN PERFORMANCE CENTER, 65-, head eng. psychol. lab, inst. sci. & tech, 58-62. Vis. prof, Stanford, 48 & 55; vis. scientist, Center Human Learning, California, Berkeley, 62-63. Consult. Off. Surgeon Gen, 47; U.S. Dept. Defense, 47-49, 57-61. U.S.A.A.F, 42-46, Col. Fel. AAAS (v-pres. & chmn. psychol. sect, 62); fel. Psychol. Asn.(ed, J. Exp. Psychol, 51-62); Psychonomic Soc; Human Factors Soc; fel. N.Y. Acad. Sci; Soc. Eng. Psychol.(pres, 67-68); Soc. Exp. Psychol. Human learning and memory; short-term memory; human performance theory. Publ: Categories of human learning, Academic, 64; Apparatus tests, 47; Implications of short-term memory for a general theory of memory, J. Verbal Learning & Verbal Behav, 63. Address: Human Performance Center, University of Michigan, 330 Packard Rd, Ann Arbor, Mich. 48104.
- MELTON, PROF. L(EE) J(OSEPH) JR, b. Winnfield, La, Dec. 19, 21; m. 43; c. 4. ECONOMICS. B.A. La. Polytech, 42; M.A. La. State, 48, Ph.D. 53. Instr. ECON, La. State, 49-53, asst. prof, 53-54; Florida, 54-56; assoc. prof. LA. STATE, 56-61, PROF, 61- U.S.N.R., 42-46. Econ. Asn. Government regulation; economic development. Publ: A rational approach to highway finance. Address: Dept. of Economics, Louisiana State University, Baton Rouge, La. 70803.
- MELTON, DR. RICHARD S, b. Minneapolis, Minn, Feb. 3, 28; m. 52; c. 2. PSYCHOLOGY. B.A., Gustavus Adolphus Col, 48; M.A., Minnesota, 51, Ph.D. (psychol), 52. Res. psychologist, U.S. Air Force Personnel & Training Res. Center, 55-56; from asst. prof. to assoc. prof, Southern Illinois, 57-60; asst. dir, prinl. exam. div, Psychol. Corp, 60-63; test develop. div, ED. TESTING SERV, 63-65, RES. PSYCHOLOGIST, DEVELOP. RES. DIV, 65- Field selection officer, Peace Corps, 65- U.S.N., 53-55, Lt.(jg). Psychol. Asn; Ed. Res. Asn; Psychomet. Soc; Nat. Coun. Measurement in Ed. Personnel selection; statistical methods; test development and test research. Publ: Differentiation of successful and unsuccessful pre-medical students, J. Appl. Psychol, 55; Some remarks on failure to meet assumptions in discriminant analyses, Psychometrika, 63; co-auth. Prediction of proficiency in a modern and traditional course in beginning algebra, Ed. & Psychol. Measurement, 63. Address: Developmental Research Division, Educational Testing Service, Princeton, N.J. 08540.
- MELTON, PROF. R(OSSER) B, b. Appleby, Tex, Nov. 21, 10; m. 38; c. 3. ECONOMICS. B.S. Texas State Teachers Col.(Nacogdoches), 34; M.A., Texas, 38, fel, 38-39, Ph.D.(econ), 40. Prof. sociol, Sam Houston Teachers Col, 40-45; assoc. prof. econ, Arkansas, 45-47; PROF. ECON. & SOCIOL, NORTH TEXAS STATE, 47- AAAS; Econ. Asn; Asn. Evolutionary Econ. Contemporary economic and resource theories; cultural change. Publ: Determinants of full employment & Schultz's theory of human capital, 12/65, Southwest, Soc. Sci. Quart; Conceptual perspectives of conservation, Quart. Colo. Sch. Mines, 10/62. Address: Box 6132 N. Tex. Station, Denton, Tex. 76203.
- MELTZER, PROF. ALLAN H(AROLD), b. Boston, Mass, Feb. 6, 28; m. 50; c. 3. ECONOMICS. A.B. Duke, 48; M.A., California, Los Angeles, 55, Ph.D., 58; Soc. Sci. Res. Coun. fel. & Fulbright scholar, France, 55-56. Lectr. econ, Pennsylvania, 56-57; asst. prof. econ, GRAD. SCH. INDUST. ADMIN, CARNEGIE-MELLON UNIV, 57-61, assoc. prof. econ. & indust. admin, 61-64, PROF. ECON, 64- Ford Found. faculty res. fel, 62-63; Ford Found. vis. prof, Chicago, 64-65; vis. prof, Harvard, 67-68. Consult, joint econ. cmt, U.S. Cong, 60, house cmn. banking, 63-64; U.S. Treas. Dept, 61-62, 64-; bd. gov. Fed. Reserve, 65- Econ. Asn; Finance Asn; Economet. Soc. Monetary and financial theory and policy; macroeconomics. Publ: Demand for money: evidence from the time series, 63 & Liquidity traps for money, bank credit and interest rates, 2/68, J. Polit. Econ; co-auth. An analysis of federal reserve policy making, Govt. Printing Off, 64. Address: Dept. of Economics, Carnegie-Mellon University, Pittsburgh, Pa. 15213.
- MELTZER, PROF. BERNARD N(ATHAN), b. New York, N.Y., Oct. 17, 16; m. 44; c. 2. SOCIOLOGY. B.A., Wayne State, 43, Bd. Ed. scholar & M.A., 44; Ascher fel, Chicago, 44-45, univ. fel, 45-46, Field fel, 46-47, Ph.D.(sociol), 48. Res. assoc. SOCIOL, Chicago, 48-49; asst. prof, McGill, 49-51; assoc. prof, CENTRAL MICHIGAN, 51-55, PROF, 55-, CHMN. DEPT, 59- Sociol. Asn; Acad. Polit. & Soc. Sci; Soc. Study Social Probs. Criminology: inter-group relations; social stratification. Publ: Symbolic interaction: a reader in social psychology, Allyn & Bacon, 67; Appraisal of the primary data utilized in Canadian penitentiary statistics, Can. J. Econ. & Polit. Sci.; Some correlates of class consciousness among textile workers, Am. J. Sociol, 63. Address: Dept. of Sociology, Central Michigan University, Mt. Pleasant, Mich. 48858.
- MELTZER, DR. DONALD, b. New York, N.Y., July 5, 35; m. 61; c. 1. PSYCHOLOGY. B.A., City Col. New York, 57; M.S., Pittsburgh, 61, Ph.D.(psychol), 63. ASST. PROF. PSYCHOL, SOUTHERN ILLINOIS, 66- U.S.A., 61-66, Res, 66-, Capt. AAAS; Psychol. Asn. Operant conditioning; psychopharmacology. Address: Dept. of Psychology, Southern Illinois University, Carbondale, Ill. 62901.
- MELTZER, DR. H(YMAN), b. Russia, Sept. 1, 98; nat. PSYCHOLOGY. B.S., Illinois, 17; M.A., Columbia, 23, Ph.D.(psychol), 25. Instr. psychol. & ed. Ore. State Col, 25-27, asst. prof, 27-28; chief psychologist, Psychiat. Child Guid. Clin, St. Louis, Mo, 28-33; dir. Psychol. Serv. Center, 33-54; personnel dir, Orchard Paper Co, 40-52, v-pres, 52-61; PROF. PSYCHOL, WASHINGTON (ST. LOUIS), 61-, DIR. PSYCHOL. SERV. CENTER, 63- Lectr., Washington (St. Louis), 28-, sr. psychologist, Jefferson Barracks, 42; expert, classification & replacement br. personnel res. sect, Adj. Gen. Dept, 43-44; pres, Human Rels. Res. Found, 48- Consult. Vet. Admin, 47. Ed. Ment. Health Observer, 33-39. U.S.A., 17-19. AAAS; fel. Orthopsychiat. Asn.(v-pres, 35); fel. Psychol. Asn. Personality and organization problems in industry; relation of feeling to memory; children's attitudes; age differences in work attitudes. Address: 4510 Maryland Ave, St. Louis, Mo. 63108.
- MELTZER, DR. LEO, b. Livingston Manor, N.Y., Mar. 1, 27; m. 52; c. 3. PSYCHOLOGY, SOCIOLOGY. A.B., California, 49; Maxwell fel, Syracuse, 49-51, M.A. 51; Ph.D. Michigan, 58. Res. soc. psychologist, exp. & eval. br, U.S. Pub. Health Serv, D.C., 51-53; asst. study dir, surv. res. center, Michigan, 53-57, study dir, 58; asst. prof. PSYCHOL. & SOCIOL, CORNELL, 58-63, ASSOC. PROF, 63-, asst. chmn. dept. psychol, 61-64. Nat. Sci. Found. grant study paraling. dimensions of soc. interaction, 65-67. U.S.N.R., 45. Psychol. Asn; fel. Sociol. Asn. Social psychology; personality; ability to communicate feeling states; nonverbal communication; cognitive consistency of attitudes; physical cues involved in social interaction. Publ: Need for dual approach in social psychology, J. Soc. Psychol; co-auth. Participation in voluntary committees: nationwide study of organization, leadership, and members' characteristics & Communication of emotional intent, 64, J. Abnorm. & Soc. Psychol. Address: Dept. of Sociology, McGraw Hall, Cornell University, Ithaca, N.Y. 14850.
- MELTZOFF, DR. JULIAN, b. New York, N.Y., Feb. 16, 21; m. 47; c. 2. PSYCHOLOGY. B.S., City Col. New York, 41; Nancy, France, 45; M.Litt, Pittsburgh, 46; Ph.D.(psychol), Pennsylvania, 50. Clin. psychologist, regional off, VET. ADMIN, Phila, 46-49, asst. chief clin. psychologist, 50-53, chief clin. psychologist, hosp, 53-54, CHIEF PSYCHOLOGIST, OUTPATIENT CLIN, BROOKLYN, N.Y., 54- U.S.A., 42-46. Psychol. Asn. Personality theory; perception; psychotherapy. Publ: Co-auth. The day treatment center: principles, application and evaluation, C.C. Thomas, 67; Effect of mental set and item structure upon response to a projective test, J. Abnorm. &

Soc. Psychol; Motor inhibition and Rorschach movement responses, *J. Personality*. Address: 448 Twin Oaks Rd, Union, N.J. 07083.

MELUCH, DR. ANDREW D(AVID), b. Lowber, Pa, Nov. 9, 17; m. 46; c. 2. CLINICAL PSYCHOLOGY. B.A., Duquesne, 49; M.A. Pennsylvania, 51; Ph.D.(clin. psychol), Western Reserve, 57. Psychol. intern, Cleveland State Hosp, Ohio, 51-53; psychologist, Cleveland Psychiat. Inst. & Hosp, 53-54, outpatient clin, 54-60; CHIEF PSYCHOLOGIST, LORAIN COUNTY GUID. CENTER, 60- Lectr, Baldwin-Wallace Col, 57-58, 60; Kent State, 61-62. Private practice, 58- U.S.M.C. 41-45. Psychol. Asn. Address: 29520 Schwartz Rd, Westlake, Ohio 44145.

MELVILLE, DR. J. KEITH, b. Bountiful, Utah, Sept. 22, 21; m. 47; c. 9. POLITICAL SCIENCE. B.A., Utah, 47, Ph.D., 56; M.A., California, 49. Prof. hist, Ricks Col, 50-57, dean students, 56-57; PROF. POLIT. SCI., BRIGHAM YOUNG, 57- U.S.A.A.F., 42-45, Capt. Political history of the Mormons. Publ: Brigham Young's ideas on the best form of government; The theory and practice of church and state during the Brigham Young era; Highlights in Mormon political history. Address: Dept. of Political Science, Brigham Young University, Provo, Utah 84601.

MELVILLE, DR. JOSEPH R(OBERT), b. Ft. Myers, Fla, July 22, 29; m. 50; c. 2. PSYCHOLOGY. B.A., Vanderbilt, 51; M.A., Florida, 55, fels. & Ph.D., 57. MEM. TECH. STAFF, BELL TEL. LABS, 57- U.S.M.C., 51-53. Psychol. Asn; Psychomet. Soc. Human performance in complex man-machine systems. Publ: Word-length as a factor in differential recognition, *Am. J. Psychol.* Address: Bell Telephone Labs, Inc, Whippany, N.J. 07981.

MELVILLE, DR. ROBERT F(REEMAN), b. Braintree, Mass, Feb. 3, 25; m. 48; c. 4. ECONOMICS. A.B., Ohio Wesleyan, 50; M.A., Harvard, 52, Ph.D., 61. Instr. ECON, Massachusetts, 54, Ohio Wesleyan, 54-56, asst. prof, 56-63; ASSOC. PROF., STATE UNIV. N.Y. BINGHAMTON, 63- Res. assoc, Harvard, 66-68. Economist, submt. state taxation of interstate commerce, Cmt. on Judiciary, U.S. House of Rep, 61- U.S.N., 43-46. Econ. Asn; Nat. Tax Asn. Public finance; state taxation; taxation in developing countries; federal tax policy; macroeconomic theory. Address: 605 E. Main St, Owego, N.Y. 13827.

MELVIN, DR. BRUCE L(EE), b. Davis Co, Iowa, Dec. 19, 91; m. 40. SOCIOLOGY. B.S., Missouri, 16, M.A., 17, Ph.D.(sociol), 21; Minnesota, 18-19. Prof. sociol. & head dept, Ohio Wesleyan, 20-23; acting prof. rural soc. orgn, N.Y. State Col. Agr, 23-30; res. secy, cmt. farm & village housing, President's Conf. Home Bldg. & Home Ownership, 31-32; with U.S. Govt, 33-42; sr. economist, dir. res. land use & housing & dir. community prog, Off. Price Admin, Tex, 42; with Off. Relief & Rehab, N. Africa, 43; with For. Econ. Admin, 43-46; with Mil. Govt, Japan & Korea, 46; prin. economist, Korean Econ. Bd, 46-48; prof. sociol, Maryland, 49-62; prof. sociol. & head dept, Campbellsville col, 64-66; RETIRED. AAAS; Sociol. Asn; Rural Sociol. Soc; Soc. Study Social Probs. Comparative sociology; sociology of mental health. Publ: Millions too many?; Sociology of a village and surrounding territory; Rural youth, their situation and prospect, *Res. Monogr.* Address: 7405 18th Ave, Apt. 106, Adelphi, Md. 20783.

MELVIN, DR. ERNEST E, b. Monmouth, Ill, May 15, 23; m. 52; c. 1. GEOGRAPHY. B.S., Western Illinois, 47; M.A., Syracuse, 49; Ph.D.(geog), Northwestern, 52; Chicago, 57. Geogr. intel. div. & off. engr, U.S. Armed Forces, Far East, 52-54; res. planner, Evert Kincaid & Assocs, 54-56; from planning asst. to exec. secy, Evanston Plan Cmn, Ill, 56-57; from prin. city planner to acting dir. planning, Chicago Dept. City Planning, 57-61; assoc. prof. GEOG. GEORGIA, 61-67, PROF., 67-, ASSOC. DIR. INST. COMMUNITY & AREA DEVELOP., 61- U.S.N.R., 43-46, Lt. AAAS; Asn. Am. Geog; fel. Geog. Soc; fel. Coun. Geog. Ed.(citation, 57); Inst. Planners; Acad. Polit. & Soc. Sci; Soc. Planning Off; Soc. Pub. Admin. Community and area development; city planning and urban renewal; industrial land use and locational requirements. Publ: Geography in relation to strategic intelligence, Naval Intel. Quart; Recreation planning and programming: an expanding frontier in Georgia, *Am. Recreation J.*, 64; Factors related to recent industrial movements in the Chicago area, *Bull. Ill. Geog. Soc.*, 65. Address: 355 Ash-ton Dr, Athens, Ga. 30601.

MELVIN, DR. JAMES RAE, b. Deloraine, Man, July 8, 38; m. 64; c. 1. ECONOMICS. B.Sc., Manitoba, 59; M.A., Alberta, 63; Ph.D.(econ), Minnesota, 67. ASST. PROF. ECON, WESTERN ONTARIO, 67- Consult, Econ. Coun. Can, summer 67. *Am. Econ. Asn; Can. Econ. Asn.* Theoretical international trade and production theory with special reference to intermediate goods. Publ: Co-auth, Effective protection in the Canadian economy, *Econ. Coun. Can.*, 68; auth, Capital flows and employment under flexible exchange rates, *Can. J. Econ.*, 6/68; Production and trade with two factors and three goods, *Am. Econ. Rev.*, 68. Address: Dept. of Economics, University College, University of Western Ontario, London, Ont, Can.

MELVIN, DR. KENNETH B(OYD), Exp. Psychol, see 11th ed, *Phys. & Biol. Vols.*

MELZACK, PROF. RONALD, b. Montreal, Que, July 19, 29; m. 60; c. 2. PSYCHOLOGY. B.Sc., McGill, 50, M.Sc., 51, Can. Nat. Res. Coun. fel, 52-53, Ph.D.(psychol), 54. Lectr. psychol, McGill, 53-54; Commonwealth Fund fel. physiol, med. sch, Oregon, 54-57; lectr. psychol, Univ. Col, London, 57-58; Dazian Found. fel. physiol, Univ. Pisa, 58-59; asst. prof. PSYCHOL, Mass. Inst. Tech, 59-62, assoc. prof, 62-63; McGill, 63-66, PROF., 67- Consult, Bolt, Beranek & Newman, Mass, 59-63; Man & Life Pavilion, EXPO 67, 64-67. Mem, selection cmt, Woodrow Wilson fcls, 64-67; assoc. cmt, Can. Nat. Res. Coun, 67- Stratton award, *Am. Psychopath. Asn.*, 63. AAAS; fel. Can. Psychol. Asn; fel. Am. Psychol. Asn. Neuropsychological basis of pain perception; effects of early experience on adult behavior. Publ: The perception of pain, *Sci. Am.*, 61; co-auth, Neurophysiological effects of early sensory restriction, *Exp. Neurol.*, 65 & Pain mechanisms: a new theory, *Science*, 65. Address: Dept. of Psychology, McGill University, Montreal, Que, Can.

MENAND, DEAN LOUIS, III, Polit. Sci, see 10th ed, *Soc. & Behav. Vols.*

MENARD, DR. ORVILLE D, b. Omaha, Nebr, Apr. 4, 33; m. 54. POLITICAL SCIENCE. B.A., Omaha, 55; M.A., Nebraska, 61, Johnson fel, 62-63, Ph.D. (polit. sci), 64. Instr. POLIT. SCI, Tex. Col. Arts & Indust, 63-64; asst. prof, NEBRASKA, OMAHA, 64-68, ASSOC. PROF., 68- Summers, vis. prof, Colo. State Col, 66, U.S. Dept. State sr. faculty fel, 67. U.S.A.F., 56-58, Res, 58-67, Capt. Polit. Sci. Asn. Publ: The army and the Fifth Republic, *Univ. Nebraska*, 67. Address: Dept. of Political Science, University of Nebraska at Omaha, Omaha, Nebr. 68101.

MENCHER, DR. JOAN PHYLLIS, b. New York, N.Y., Jan. 29, 30. CULTURAL ANTHROPOLOGY. B.A., Smith Col, 50; Foresight Found. fel, Columbia, 54-55, Ph.D., 58. Asst. anthrop, Bank St. Col, 55-56; soc. psychol, City Col. New York, 57-58; Shirley Farr res. fel. ANTHROP, Am. Asn. Univ. Women Prog, India, 58-59, Fulbright fel, 59-60; instr, Hofstra Col, 60-61; Ogden Mills fel, Am. Mus. Natural Hist, 61-62, Nat. Sci. Found. fel, 62-64; vis. asst. prof. ANTHROP, Cornell, 64-65; res. assoc, COLUMBIA, 65-67, VIS. LECTR., 67- Fel. Am. Anthrop. Asn; Ethnol. Soc; Soc. Appl. Anthropol; Soc. Int. Develop; Asn. Asian Studies; Royal Anthropol. Inst. Gt. Brit. & Ireland. Social structure and socialization in Kerala State, India; relationship between settlement patterns, land tenure systems, ecology and aspects of social structure in India; problems of social change and development. Publ: Aspects of social continuity and change in a Tamil village, (in press); Growing up in South Malabar, *Human Orgn.*, 63; Kerala and Madras: a comparative study of ecology and social structure, *Ethnology*, 66. Address: 205 West End Ave, Apt. 16C, New York, N.Y. 10023.

MENDEL, PROF. DOUGLAS H(EUSTED), JR, b. New York, N.Y., Oct. 18, 21. POLITICAL SCIENCE. B.A., Middlebury Col, 42; Princeton, 48-49; M.A., Michigan, 50, Soc. Sci. Res. Coun. fel, 52-53, Ph.D.(polit. sci), 55. Asst. prof. POLIT. SCI, California, Los Angeles, 54-61; Fulbright lectr, Tunghai, 61-62; vis. lectr, Melbourne, 62; assoc. prof, WISCONSIN, MILWAUKEE, 63-67, PROF., 67- Soc. Sci. Res. Coun. Asian Studies fel, 57-58. Mem. For. Policy Asn-World Affairs Center; Far East rep, Roper Pub. Opinion Res. Center, Williams Col, 64- U.S.N.R., 43-46, Res, 46-54, Lt. Polit. Sci. Asn; Asn. Asian Studies. Japanese domestic and foreign politics; Far Eastern international relations; political psychology; political behavior and foreign policy attitudes of Japanese in postwar period; Formosan attitudes; American policy in the Far East. Publ: The Japanese people and foreign policy, *Univ. California*, 61; American foreign policy in a polycentric world, *Dickenson*, 68; Japanese views of Sato's foreign policy, *Asian Surv.*, 67. Address: Dept. of Political Science, University of Wisconsin, Milwaukee, Wis. 53201.

MENDEL, DR. GISELA, b. Cologne, Germany, Apr. 20, 22; nat; m. 43; c. 2. PSYCHOLOGY. B.S., Memphis State, 53; M.A., Roosevelt, 55; U.S. Pub. Health Serv. fel, Chicago, 60-61, Ph.D.(psychol), 62. Asst. psychol, med. sch, Northwestern, 53-54; clin. intern, Inst. Juvenile Res, 54-55; staff psychol, Chicago State Hosp, 55-57; asst, Chicago, 57-61; RES. ASSOC. PSYCHOL, DEPT. PSYCHIAT, COL. MED, ILLINOIS, 61- Consult, Ill. State Psychiat. Inst, 59-61; Jewish Voc. Serv, Chicago, 63; Milwaukee Psychiat. Serv, 65- Psychol. Asn; Orthopsychiat. Asn; Soc. Res. Child Development. Child and developmental psychology; personality development; psychoanalytic theory; projective techniques; ego processes and the nature and function of anxiety. Address: 1755 E. 55th St, Chicago, Ill. 60615.

MENDEL, DR. MARTIN E, Clin. Psychol, see 10th ed, *Soc. & Behav. Vols.*

MENDEL, DR. WERNER MAX, b. Hamburg, Germany, June 11, 27; U.S. citizen; m. 65; c. 2. PSYCHIATRY. A.B., California, Los Angeles, 48; A.M., Stanford, 49, M.D., 53; cert, South. Calif. Psychoanal. Inst, 65. Fel. Menninger Sch. Psychiat, 54-57; dir. outpatient serv. psychiat, Metrop. State Hosp, 57-59; asst. prof. PSYCHIAT, SCH. MED. SOUTHERN CALIFORNIA, 60-64, assoc. prof, 64-67, PROF., 67- Instr. South. Calif. Psychoanal. Inst, 65- Consult, Calif. State Dept. Ment. Hyg, 60-; ment. health cmt, *Am. Acad. Gen. Practice*, 63-66. Spec. projs. ed, Basic Books, Inc, 66- Mem, Nat. Cmt. Psychiat. & Med. Practice, 61-66; clin. dir, inpatient serv, div. psychiat, Los Angeles County Gen. Hosp, 65-67. U.S.A., 45-46, Capt. Fel. Psychiat. Asn; fel. Acad. Psychoanal; *Am. Med. Asn.* Theory and treatment of schizophrenia; hospital treatment; psychotherapy; existential psychiatry; dream analysis. Publ: Co-auth, The psychiatric consultation, *Grune*, 67; Therapeutic management of psychological illness, 67 & auth, Deviant human behavior, 68, Basic Books. Address: Dept. of Psychiatry, University of Southern California School of Medicine, 1934 Hospital Place, Los Angeles, Calif. 90033.

MENDELL, DR. DAVID, Psychiat, see 11th ed, *Phys. & Biol. Vols.*

MENDELS, DR. ERNEST, b. Wuppertal, Germany, July 28, 13; nat; m. 45; c. 3. ECONOMICS. M.B.A., N.Y. Univ, 46, Ph.D., 52. MKT. RES. MGR, REVERE COPPER & BRASS, INC, 38- Lectr, Bernard Baruch Sch. Bus. Admin, City Col. New York, 50- Econ. Asn; Mkt. Asn; Mgt. Asn. Publ: Logical method of sales forecasting in the copper industry. Address: 230 Park Ave, New York, N.Y. 10017.

MENDELS, DR. ROGER PIERRE, b. Esch-Sur-Alzette, Luxembourg, July 2, 33; Can. citizen; m. 54; c. 1. ECONOMICS. B.Com., McGill, 58, M.A., 60; M.S. & Ph.D.(econ), Wisconsin, 63. Acct, Du Pont of Can. Ltd, 58-60, economist, 60-61; res. asst. pub. finance, Wisconsin, 61-63; economist, Royal Cmn. Taxation, Ottawa, 63-64; prof. ECON, Royal Inst. Law & Admin, Vientiane, Laos, 64-66; ASST. PROF. BRITISH COLUMBIA, 66- Luxembourg Army, 53-55, Lt. Econ. Asn; Nat. Tax Asn; Economet. Soc; Royal Econ. Soc. Economic development, especially in South Asia; public finance. Address: Dept. of Economics, University of British Columbia, Vancouver 8, B.C., Can.

MENDELSON, DR. EVERETT IRWIN, Hist. of Sci, see 5th ed, *Dir. Am. Scholars*, Vol. I, Hist.

MENDELSON, DR. GERALD A, b. Brooklyn, N.Y., Nov. 9, 34; m. 59. PSYCHOLOGY. B.S., Cornell, 55; U.S. Pub. Health Serv. fel, Michigan, 55-56, M.A., 57, Ph.D., 59. Instr. PSYCHOL, Michigan, 59-60; asst. prof, CALIFORNIA, BERKELEY, 60-67, ASSOC. PROF., 67- Consult, Vet. Admin.

Hosps, 62- Psychol. Asn. Clinical research; personality and cognition; psychology of aesthetic response. Publ: Co-auth. Differential use of incidental stimuli as a function of creativity, J. Abnorm. & Soc. Psychol, 64, Anxiety and repression as predictors of the use of incidental cues in problem-solving, J. Personality & Soc. Psychol, 67 & Client-counselor compatibility and the outcome of counseling, J. Abnorm. Psychol, 68. Address: Dept. of Psychology, University of California, Berkeley, Calif. 94720.

MENDELSON, DR. HAROLD, b. Jersey City, N.J., Oct. 30, 23; m. 49; c. 1. SOCIOLOGY. B.S., City Col. New York, 45, fel. 45-46; M.A., Columbia, 46; Ph.D. (sociol.), New Sch. Soc. Res, 56. Asst. study dir., dept. sci. res. Am. Jewish Cmt, 46-51; surv. analyst, U.S. Dept. State, 51-52. res. assoc. bur. soc. sci. res. American Univ, 52-56; head TV-radio res. McCann Erickson Advert, Inc, 56-58; assoc. dir., Psychol. Corp, 58-62; PROF, DEPT. MASS COMMUN, DENVER, 62-, DIR. COMMUN. ARTS CENTER, 66- Lectr., City Col. New York, 49. Consult, U.S. Off. Ed, 64-65. Ed. series in mass commun., John Wiley & Sons, 67- Mem. bd. dirs. Nat. Safety Coun, 64- Soc. Psychol. Study Social Issues; Psychol. Asn; Sociol. Asn; Acad. Polit. & Soc. Sci.; Am. Asn. Pub. Opinion Res; World Asn. Pub. Opinion Res. Race and intergroup relations; sociology of politics; mass communication; motivation; attitude; public opinion. Publ: Mass entertainment, Col. & Univ, 66; Election day broadcasts and terminal voting decisions, Pub. Opinion Quart, 66; TV and youth: a new style for politics, Nation, 6/66. Address: 1451 E. Cornell Place, Englewood, Colo. 80110.

MENDELSON, DR. JACK, Med, Psychiat, see 11th ed, Phys. & Biol. Vols.

MENDELSON, DR. MARTIN A (ARON), Psychol, see 10th ed, Soc. & Behav. Vols.

MENDELSON, DR. MORRIS, b. Moncton, N.B., June 22, 22; m. 52. ECONOMICS. B.A., Queen's (Ont), 46; Ph.D. (econ), Cornell, 50. Asst. prof. econ. Pa. State, 50-53, assoc. prof, 53-55; economist, Nat. Bur. Econ. Res, 55-59; vis. res. assoc. grad. sch. bus. Harvard, 59-61; ASSOC. PROF. FINANCE, WHARTON SCH. FINANCE & COMMERCE, PENNSYLVANIA, 61- Vis. lectr., Mass. Inst. Tech, 59-61. Consult, Bell Tel. Co, Pa, 66- Econ. Asn; Economet. Soc; Finance Asn. Corporation finance; capital markets; social accounting; financial institutions. Publ: Co-auth, Investment banking and the new issues market, World, 67. Address: Dept. of Finance, Wharton School of Finance and Commerce, University of Pennsylvania, Philadelphia, Pa. 19104.

MENDELSON, PROF. WALLACE, b. Dubuque, Iowa, Sept. 25, 11. POLITICAL SCIENCE. A.B., Wisconsin, 33, Ph.D., 40; LL.B., Harvard, 36. Instr., Missouri, 40-41; Illinois, 41-42; from assoc. prof. to PROF. polit. sci., Tennessee, 46-57; GOVT. TEXAS, AUSTIN, 57- Ed-in-chief, annual report for 1961, U.S. Cmn. Civil Rights. U.S.A.A.F., 42-46, Lt. Col. Polit. Sci. Asn. Publ: Discrimination, Prentice-Hall, 62; Justices Black and Frankfurter, Univ. Chicago, 65; The Supreme Court: law & discretion, Bobbs, 67. Address: Dept. of Government, University of Texas, Austin, Tex. 78712.

MENDELSSOHN, RUDOLPH C (HRISTIAN), b. New York, N.Y., Nov. 20, 14; m. 50; c. 2. ECONOMICS. A.B., Chicago, 38. From mem. staff to chief br. employ. ops., div. manpower & employ. statist, U.S. BUR. LABOR STATIST, 40-66, CHIEF DIV. SYSTS. DEVELOP, 66- U.S.A., 42-46, Capt. AAAS; Asn. Comput. Mach; Econ. Asn; Statist. Asn. Information processing in statistics, especially storage, retrieval and reduction of statistical data banks. Publ: The BLS information system, Bur. Labor Statist, 9/67. Address: 4106 Elizabeth Lane, Fairfax, Va. 22030.

MENDERSHAUSEN, DR. HORST, b. Germany, June 23, 11; U.S. citizen; m. 36; c. 2. INTERNATIONAL POLITICS & ECONOMICS. Ph.D. (polit. econ), Geneva, 37. Instr. econ. Colo. Col, 39-40; res. assoc. Nat. Bur. Econ. Res, 40-41; prof. polit. econ, Bennington Col, 41-48; economist, Fed. Reserve Bank N.Y., 49-55; SOC. SCIENTIST, RAND CORP, 56- Vis. lectr., Columbia, 53-56; lectr., California, Los Angeles, 61- Economist. & asst. chief price control, Off. Mil. Govt. U.S., Berlin, 46-48; consult, div. econ. stability & develop, UN, 51; President's Bd. Policy Cmn, 51-52. Mem. Surv. Mission, Caldas, Colombia, 52. Econ. Asn; Acad. Polit. Sci. United States-European political and economic relations. Publ: The economics of war, Prentice-Hall; Two postwar recoveries of the German Economy, North-Holland, 55; co-auth, A study of saving in the United States, Princeton, 56. Address: Rand Corp, Santa Monica, Calif. 90406.

MENDUKE, PROF. HYMAN, Biostatist, see 11th ed, Phys. & Biol. Vols.

MENEFEE, PROF. ROBERT G (GORDON), b. Ky, Jan. 16, 19; m. 44. ECONOMICS. B.A., Berea Col, 40; M.B.A., Tulane, 42; Gen. Ed. Bd. fel. 48-50; Ph.D. (econ), Wisconsin, 55. From asst. prof. to PROF. ECON. & BUS, BERE A COL, 46-, CHMN. DEPT, 60- U.S.A.A.F., 43-46. Econ. Asn. Labor economics; monetary policy; sociology. Address: Box 2300, Berea College, Berea, Ky. 40403.

MENGE, DR. JOHN ALEXANDER, b. Milwaukee, Wis., Mar. 17, 27; m. 48; c. 3. ECONOMICS. B.A., Idaho, 49; Ph.D. (econ), Mass. Inst. Tech, 59. Asst. ECON, Mass. Inst. Tech, 51-54; sr. analyst, Ford Motor Co, 54-56; instr. DARTMOUTH COL, 56-58, from asst. prof. to ASSOC. PROF, 58- Nat. Sci. Found. sci. faculty fel, 62-63; vis. assoc. prof, Sloan Sch. Mgt, Mass. Inst. Tech, 68- U.S.N., 45-46. Econ. Asn. Public finance and industrial organization; impact of structure on expenditures; changing forms of competition. Publ: Backward art of internal transfer pricing, J. Indust. Econ; Importance of restricted stock options in executive compensation, Mgt. Record, 6/62; Style change costs as a market weapon, Quart. J. Econ, 11/62. Address: Dept. of Economics, Dartmouth College, Hanover, N.H. 03755.

MENGELBERG, PROF. KAETHE, Econ, Sociol, see 10th ed, Soc. & Behav. Vols, deceased 68.

MENGER, DR. CLARA, Psychol, Guid, see 10th ed, Soc. & Behav. Vols.

MENNE, DR. JOHN WILLIAM, JR, b. St. Louis, Mo, Sept. 29, 25. PSYCHOLOGY. B.Sc., Iowa State, 46, M.B.A., Stanford, 48, Ph.D. (philos. psychol), Pontifical Int. Inst. St. Anselm, Rome, 61. Asst. prof. philos. & psychol, New Melleray Abbey, 61-65; St. John's (Minn), 65-66; fel. PSYCHOL, IOWA STATE, 66-67, ASST. PROF, 67- U.S.N.R., 43-46, Ens. Psychol. Asn; Ed. Res. Asn; Nat. Coun. Measurement in Ed; Personnel & Guid. Asn. Educational research, especially evaluation of innovative programs, prediction and analysis of grading bias. Address: Dept. of Psychology, 101 Bldg. H, Iowa State University, Ames, Iowa 50010.

MENNING, PROF. J (ACK) H (ARWOOD), b. Hondo, Tex, Oct. 2, 15; m. 43; c. 2. MARKETING. B.S., Texas, 36, M.B.A., 40; Illinois, 40-42. Instr. bus. English, Illinois, 40-42, 45-46; bus. writing, Northwestern, 46-47; asst. prof, Texas, 47-48; assoc. prof. MKT, ALABAMA, 48-52, PROF, 52- U.S.N.R., 42-45, Lt. History and problems of business communications. Publ: Writing for business; Writing business letters; Communicating through letters and reports. Address: School of Commerce & Business Administration, University of Alabama, Box J, Tuscaloosa, Ala. 35486.

MENNIS, DR. BERNARD, b. New York, N.Y., Feb. 5, 38; m. 64. POLITICAL SCIENCE. B.A., City Col. New York, 59; M.A., Michigan, 62, fel, 62-64, Ph.D. (polit. sci), 67. Instr. polit. sci., Michigan, 65-66; N.Y. Univ, 66-67; fel. Mershon Center Ed. Nat. Security, Ohio State, 67-68; ASST. PROF. POLIT. SCI., PENNSYLVANIA, 68- Nat. Guard, 59-65. Polit. Sci. Asn. International politics; American foreign policy. Address: Dept. of Political Science, University of Pennsylvania, Philadelphia, Pa. 19104.

MENNIS, DR. EDMUND A (DDI), b. Allentown, Pa, Aug. 12, 19; m. 45; c. 2. ECONOMICS. B.A., City Col. New York, 41, fel, 41-42; M.A., Columbia, 46; Ph.D. (econ), N.Y. Univ, 61. Analyst, Eastman Dillon & Co, 45-46; sr. res. asst., Am. Inst. Econ. Res, 46-50; sr. security analyst, Wellington Mgt. Co, 50-58, economist, 53-66, v. pres. invest. res, 58-66, SR. V. PRES. & CHMN. TRUST INVEST. CMT, REPUB. NAT. BANK OF DALLAS, 66- Tech. consult, bus. coun, 62-66. Chmn. res. & pubs. cmt, Inst. Chartered Financial Anal, 66-, trustee, 68-70; mem. econ. adv. bd. Secy. Commerce, 67-68. U.S.A.F., 42-45, 50-53, Capt. Statist. Asn; Econ. Asn; Asn. Bus. Econ; Finance Asn. Corporate profits; economic analysis and investments. Publ: Security prices and business cycles, Financial Analysts J; Forecasting corporate profits, In: How business economists forecast, Prentice-Hall, 66; Measuring corporate profits & The outlook for profits, In: Profits in the modern economy, Univ. Minnesota, 67. Address: 3611 Milton Ave, Dallas, Tex. 75205.

MENON, DR. M. A. K., b. Palghat, India, Mar. 28, 19; m. 52; c. 2. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A., Panjab, India, 55, M.A., 57; M.B.A., Chicago, 58; Ph.D. (pub. admin), N.Y. Univ, 63. ASST. PROF. Asian studies, Skidmore Col, 63-65; POLIT. SCI., LAURENTIAN UNIV, 65- Polit. Sci. Asn; Soc. Pub. Admin; Asn. Asian studies; Can. Inst. Int. Affairs; Inst. Pub. Admin. Can; Can. Polit. Sci. Asn; Royal Inst. Pub. Admin. International relations; comparative government. Publ: Universal postal union, Int. Conciliation, 3/65. Address: Dept. of Political Science, Laurentian University, Faculty of Arts & Science, Sudbury, Ont, Can.

MENSH, DR. IVAN NORMAN, Med. Psychol, see 11th ed, Phys. & Biol. Vols.

MENSINKAI, DR. SHARAN S, b. Belgalpet, India, Jan. 11, 24; m. 53; c. 3. ECONOMICS. B.A., Bombay, 49; M.A., Karnatak Univ, India, 52; Ph.D. (econ), London, 63. Reader ECON, Karnatak Univ, India, 55-66; ASSOC. PROF, MEMORIAL UNIV, 66- Fel. inst. soc. & econ. res, Memorial Univ, 64-65. Royal Indian Air Force, 43-47. Indian Econ. Asn. Industrial economics, including pricing, size and location of plants and regional studies; economic development. Publ: Co-auth, Survey of handloom industry in Karnatak and Sholapur, Asia, 58; auth, Survey of handicrafts in Mysore, Karnatak Univ, India, 61; Location and size of fish processing plants in Newfoundland, Can. Fed. Dept. Fisheries, 68. Address: Dept. of Economics, Memorial University of Newfoundland, St. John's, Newf, Can.

MENSOIAN, PROF. MICHAEL G, JR, b. Providence, R.I., June 24, 29. GEOGRAPHY. A.B., Clark, 49; Ed.M., Boston, 51, cert, 59, M.A., 60; Ed.M., Mass. State Col. Worcester, 56; Ph.D., Connecticut, 62. Teacher, pub. schs, Mass, 50-54; prin, campus lab. sch, Mass. State Col. Fitchburg, 54-56, assoc. prof. GEOG, MASS. STATE COL. BOSTON, 56-67, PROF, 67-, acting chmn. dept, 61. Consult, Doubleday & Co. Inc, 61, consult. & ed, 61-62. U.S.N., 45-46; Nat. Guard, 51-, Capt. Asn. Am. Geog. Improvement of geography textbooks, elementary and secondary levels, together with curriculum research projects in areas of geography and social studies; developing nations in Latin America and the Middle East; political geography. Publ: Co-auth, Manual for physical geography, W.C. Brown, 67 & Arab world, In: World cultural geography Sadlier, 68. Address: Dept. of Geography, Massachusetts State College, 625 Huntington Ave, Boston, Mass. 02115.

MENTON, PROF. STOYAN MARTIN, b. Detroit, Mich, Feb. 5, 15; m. 51; c. 2. SOCIOLOGY, EDUCATION. B.A., Wayne, 37, M.A., 53; Fulbright fel, London, 51-52; Mich. State, 54-58; Fund Adv. Ed. fel, Wisconsin, 59. Lectr. & prog. coordinator, exten. div, Michigan, 45-51; consult. res. & develop, U.S. Mutual Security Agency, 52-53; proj. coordinator, labor & indust. rels. center, Mich. State, 53-58; assoc. prof. sociol., Lakeland Col, 58-59; proj. asst. res. exten. serv, Wisconsin, 60-61; specialist community rels, Baltimore Pub. Schs, Md, 61-63, specialist res, bur. res, 63-64; ASSOC. PROF. SOCIOLOG., CLARION STATE COL, 64- Sociol. Asn. Industrial sociology; urban problems; community development. Address: Dept. of Sociology, Clarion State College, Clarion, Pa. 16214.

MENTZER, DR. THOMAS LEE, b. Lebanon, Pa, Aug. 25, 33; m. 60; c. 2. PSYCHOLOGY. B.S., Pa. State, 58; U.S. Pub. Health Serv. fel, Brown, 59-62, M.S., 60, Ph.D. (psychol), 63. ASST. PROF. PSYCHOL, NEWCOMB COL, TULANE, 62- U.S. Pub. Health Serv. res. grant, 63-64. U.S.N., 51-54. AAAS; Psychol. Asn. Animal behaviorism, principally in animal psychophysics; discrimination learning; stimulus control of behavior. Publ: Comparison of three methods for obtaining psychophysical thresholds from the pigeon, J. Comp. & Physiol. Psychol, 66; Early vs. late introduction of

stimuli in psychophysical discriminations by pigeons, *Psychonomic Sci.*, 68. Address: Dept. of Psychology, Newcomb College, Tulane University, New Orleans, La. 70118.

MENYUK, DR. PAULA, b. New York, N.Y., Oct. 2, 29; m. 50; c. 3. **PSYCHOLINGUISTICS**. B.S. N.Y. Univ. 51; M.Ed. Boston, 55, univ. fel. 58-60, D.Ed. (psycho-ling), 61; Nat. Inst. Ment. Health fcls, Radcliffe Col. 58-59, Mass. Inst. Tech. 58-60. Teacher, high sch. N.Y. 51-52; speech pathologist, Mass. Gen. Hosp. Boston, 52-54; teaching asst. speech & hearing, Boston, 57-58, lectr. 60-61; fel. **PSYCHOLING.** MASS. INST. TECH. 61-64, RES. ASSOC. 64- Consult, Childrens Hosp. Med. Center, 64-; perinatal study, Nat. Inst. Neurol. Diseases & Blindness, 65-; Nat. Speech & Hearing Surv. Off. Ed. 66; Nat. Conf. Ed. Deaf, Dept. Health, Ed. & Welfare, 67. Soc. Res. Child Develop. Ling. Soc.; Speech & Hearing Assn. Language acquisition and development of children. Publ: Syntactic structures in the language of children, *J. Child Development*, 63; Alternation of rules in childrens grammar, *J. Verbal Learning & Verbal Behavior*, 64; The role of distinctive features in the child's acquisition of phonology, *J. Speech & Hearing Res.*, 68. Address: 162 Mason Terr, Brookline, Mass. 02146.

MENZ, JOHN A., b. Oakland, Calif., May 12, 19; m. 42; c. 4. **ECONOMICS, ANTHROPOLOGY**. B.A. Mexico City Col. 48, M.A. 49; M.A. California, 51; fel. Texas, 50-51. Asst. prof. econ. Mexico City Col. 51-53, assoc. prof. & chmn. dept. 53-56; economist, Anderson Clayton Co. Mex. 56-57; assoc. economist, State Dept. Water Resources, CALIF. 57-58; sr. economist, State Dept. Natural Resources, 58-62; chief economist, State Off. Planning, 62-67; CHIEF PLANNING SECT., AGRARIAN REFORM INST, SANTIAGO, CHILE, 67- Consult, Nat. Bank of Mex. 52-54. U.S.A., 42-45. Econ. Asn; Soil Conserv. Soc; Agr. Econ. Asn; Inst. Planners. Watershed and river basin development; economic development of underdeveloped countries. Publ: The economic evaluation of a drainage project, *Calif. Div. Soil Conserv.*; Review of the economic situation of Mexico, *Banco Nacional de Mexico*; Algunas observaciones sobre maximización de ganancias, *El Trimestre Económico*, 6/54. Address: Casilla 1949, Santiago, Chile.

MENZEL, DR. DOROTHY, b. Czech, Nov. 3, 24; nat; m. 52. **ANTHROPOLOGY**. B.A. Swarthmore Col. 46; Ph.D. (anthrop), California, Berkeley, 54. Res. assoc. anthrop. CALIFORNIA, BERKELEY, 54-60. ASST. RES. ANTHROPOLOGIST, 60- LECTR. ANTHROP. 63-64, 65- Nat. Sci. Res. Coun. fel. 55-56; Ogden Mills fel. Am. Mus. Nat. Hist. 62-63; fel. Bollingen Found. 64-65. Fel. Anthropol. Asn; Soc. Am. Archaeol; Inst. Andean Studies (secy. & treas. 60-). Andean archaeology. Publ: Archaeism and revival on the south coast of Peru; Inca occupation of the south coast of Peru, *Southwest. J. Anthropol.*; Style and time in the Middle Horizon, *Nawpa Pacha*, 64. Address: Dept. of Anthropology, University of California, Berkeley, Calif. 94720.

MENZEL, DR. EMIL W(OLFGANG), JR., b. Central Prov. India, Apr. 16, 29; U.S. citizen; m. 54; c. 2. **EXPERIMENTAL PSYCHOLOGY**. Ford fcls, Vanderbilt, 55-57, Ph.D. (psychol), 58. Asst. psychol, Yerkes Labs. Primate Biol. 57-58, res. assoc. 58-65; ASSOC. PROF. PRIMATE BEHAV. & RES. ASSOC. DELTA REGIONAL PRIMATE RES. CENTER, TULANE, 65- Nat. Inst. Health spec. fel. & vis. for. prof. Osaka, 63-64. Med.C, U.S.A., 51-53. AAAS; Psychol. Asn. Primate behavior. Address: Delta Regional Primate Research Center, Tulane University, Covington, La. 70433.

MENZEL, PROF. HERBERT, b. Karlovy Vary, Czech, Jan. 19, 21; nat; m. 47; c. 2. **SOCIOLOGY**. B.A. Wisconsin, 47, Ph.D. 59; M.A. Indiana, 50. Instr. sociol., Carleton Col. 51-52; RES. ASSOC. BUR. APPL. SOC. RES. COLUMBIA, 52-; PROF. SOCIOL. N.Y. UNIV. 65- Lectr. Columbia, 59-65; vis. prof., Univ. Warsaw & res. consult. Pub. Opinion Res. Center, Poland, 61-62. Consult. cmt. sci. & tech. commun. Nat. Acad. Sci. 67- U.S.A., 42-45, Sgt. Sociol. Asn. Diffusion of information and innovations; communication; research methods. Publ: Co-auth. Medical innovation—a diffusion study, *Bobbs*, 66; auth. Public and private conformity under different conditions of acceptance in the group, *J. Abnorm. & Soc. Psychol.*, 57 & Scientific communication—five sociological themes, *Am. Psychologist*, 66. Address: Dept. of Sociology, New York University, New York, N.Y. 10003.

MENZIE, PROF. ELMER LYLE, b. Saskatoon, Sask. Can. Jan. 7, 23; m. 53; c. 2. **AGRICULTURAL ECONOMICS**. B.S.A. British Columbia, 52, M.S.A., 55; Ph.D. (agr. econ), California, Berkeley, 61. Instr. AGR. ECON. British Columbia, 52-53 & 54-57; asst. prof. Mont. State Col. 60-61; ARIZONA, 61-64, assoc. prof. 64-67, PROF. 67- R.C.A.F. 42-45. Am. Agr. Econ. Asn; Can. Agr. Econ. Soc; Int. Asn. Agr. Econ. Agricultural policy, especially special export programs and special import controls; livestock marketing. Publ: Co-auth. Policy for United States agricultural export surplus disposal, *Agr. Exp. Sta. Univ. Ariz.*, 62; auth. Techniques for the expansion of agricultural exports: non-commercial arrangements, *Agr. Econ. Coun. Can.*, 66; co-auth. Trade liberalization vs. agricultural import restrictions, *J. Farm Econ*, 2/64. Address: Dept. of Agricultural Economics, University of Arizona, Tucson, Ariz. 85721.

MERA, DR. KOICHI, b. Korea, Oct. 13, 33; m. 60; c. 3. **ECONOMICS**. B.S. Tokyo, 57, M.S. 59; Princeton, 59-60; Ph.D. (city & regional planning), Harvard, 65. Instr. ECON. HARVARD, 65-67, ASST. PROF. 67- Archit. Inst. Japan; City Planning Inst. Japan; Regional Sci. Asn; Economet. Soc. City and regional planning. Publ: Consumer sovereignty in urban design, *Town Planning Rev.*, 67; Trade-off between aggregate efficiency and interregional equity, *Quart. J. Econ.*, 11/67; An empirical determination of a dynamic utility function, *Rev. Econ. & Statist.*, 2/68. Address: Dept. of Economics, Harvard University, 1737 Cambridge St, Cambridge, Mass. 02138.

MERACHNIK, DR. DONALD ALEX, b. Newark, N.J., July 27, 29; m. 57; c. 3. **PSYCHOLOGY**. A.B. Upsala Col. 51; M.S. City Col. New York, 52; Ph.D. (psychol), N.Y. Univ. 61. Sch. psychologist, pub. schs. N.J. 53-55; PSYCHOLOGIST & DIR. SPEC. SERV. UNION COUNTY REGIONAL HIGH SCH, SPRINGFIELD, 55-; INSTR. GRAD. DIV. NEWARK STATE COL. 61- Instr. Seton Hall, 66- Consult, State Ment. Health Bd. N.J. 61, 62; consult. psychologist, N.J. Rehab. Cmn. 62-; Willow Sch. 66- U.S.A., 46-48. AAAS; Psychol. Asn; Personnel & Guid. Asn; fel. Asn. Ment. Deficiency. Educa-

tional programs for exceptional students; learning disabilities; psychological counseling; perceptual difficulties in mental retardation. Publ: Program for the high school slow learner, *N.J. Ed. Asn. Rev.*; Color discrimination on familial and organic defectives; Post high school adjustment of the mentally retarded, *N.J. Sch. Develop. Coun. Res. Bull.*, 67. Address: 200 Hillside Rd, Elizabeth, N.J. 07208.

MERANI, DR. PRITAM T (ARACHAND), b. Hyderabad, Sind, Pakistan, May 3, 33; U.S. citizen; 59; c. 3. **POLITICAL SCIENCE**. B.A., Hopkins, 58, fel. & M.A., 61, Ph.D. (int. studies), 64. Chmn. div. soc. sci., Hartford Jr. Col. 62-65; ASSOC. PROF. POLIT. SCI., TOWSON STATE COL., 65-, ASSOC. DEAN COL., 67- Res. asst. Hopkins, 63-64, res. fel. 64-65, lectr. eve. col. 64-67, summer session, 64 & 65. Soc. Int. Law; Polit. Sci. Asn; Indian Soc. Int. Law; Brit. Inst. Int. & Comp. Law. Territorial acquisitions and disputes; international law and politics; United States foreign policy in South and East Asia. Publ: The India-China border dispute, Vol. 13, No. 1, 64 & The Goa dispute, Vol. 14, No. 1, 65, *J. Pub. Law*; Territorial claims in international law and relations, *Indian J. Int. Law*, Vol. VII, No. 1. Address: Dept. of Political Science, Towson State College, Baltimore, Md. 21204.

MERCER, PROF. BLAINE E, b. Cozad, Nebr., May 29, 21; m. 43; c. 1. **SOCIOLOGY**. B.A. Colorado, 46; M.A. Colo. State Col. Ed. 49; fel. Syracuse, 50-51, D.S.Sc. 53. Dean men & instr. soc. sci., Rocky Mt. Col. 46-48; 50-51, Alaska, 49-50; instr. soc. sci. COLORADO, 51-53, asst. prof. SOCIOLOGY, 53-58; assoc. prof. 58-62, PROF. 62-, chmn. dept. 63-66. U.S.A., 42-44. Sociol. Asn. Sociology of education and family; American communities. Publ: American community; Study of society; Education in democracy. Address: 3575 Ninth St, Boulder, Colo. 80302.

MERCER, DR. CHARLES V (ENABLE), b. Jackson, Tenn., June 6, 30; m. 57; c. 3. **SOCIOLOGY**. B.A. Fla. State, 57; Ford Found. fel. North Carolina, Chapel Hill, 57-58, M.A., 60, Ph.D. (sociol), 65. Proj. leader surv. res. surv. ops. unit, inst. statist. North Carolina, Chapel Hill, 58-59, res. assoc. epidemiol. sch. pub. health, 62-64; sociologist, Res. Triangle Inst., Durham, N.C. 59-62; interim asst. prof. sociol., Florida Atlantic, 64-65, asst. prof. & chmn. dept. 65-66; vis. prof., inst. ment. retardation & intellectual develop. George Peabody Col. 66-67; ASSOC. PROF. SOCIOL. & ANTHROP. N.C. STATE, 67- Consult. sch. pub. health, North Carolina, Chapel Hill, 64-65 & 68-; agency int. develop. res. Florida Atlantic, 66-67; inst. ment. retardation & intellectual develop. George Peabody Col. 67- Qn.C, U.S.A., 51-53, 1st Lt. Sociol. Asn. Social-psychological factors affecting access to and entry into the occupational structure and subsequent success levels in occupations. Publ: Interrelations among family stability, family composition, residence, and race, *J. Marriage & Family*, 8/67; Cultural deprivation and reading achievement: a secondary analysis of the cooperative reading project data, *Inst. Ment. Retardation & Intellectual Develop. Papers & Reports*, Vol. 4, 9; co-auth. The North Nashville health study: research into the culture of the deprived, *Inst. Ment. Retardation & Intellectual Develop. Behav. Sci. Monogr.* Number 8, George Peabody Col. 67. Address: Dept. of Sociology & Anthropology, North Carolina State University, Raleigh, N.C. 27607.

MERCER, DR. JANE ROSS, b. Pittsburgh, Pa., Dec. 5, 24; m. 45; c. 4. **SOCIOLOGY**. M.A. Chicago, 47; Ph.D. (sociol), Southern California, 62. Res. specialist & Nat. Inst. Ment. Health res. grant ment. retardation in the community, Calif. State Dept. Ment. Hyg. 63-65; ASSOC. PROF. SOCIOL., CALIFORNIA, RIVERSIDE, 65- Res. specialist & Nat. Inst. Ment. Health res. grant, socio-behav. study center ment. retardation, Calif. dept. ment. hyg. 63-; prin. investr. & res. grant, off. compensatory ed. dept. ed. Calif. 66-; prin. investr. & Nat. Insts. Health res. grant. Sociol. Asn; Asn. Ment. Deficiency; Soc. Res. Child Develop. Epidemiology of mental retardation; deviance and institutional labeling processes; impact of public school desegregation on Negro, Mexican and Anglo-American students and on institutional structures. Publ: Social system perspective and clinical perspective: frames of reference for understanding career patterns of the mentally retarded, *Soc. Probs.*, 65; Patterns of family crisis related to reacceptance of the retardate, *Am. J. Ment. Deficiency*, 66; co-auth. Disengagement of the aged population and response differentials in survey research, *Soc. Forces*, 67. Address: Dept. of Sociology, University of California, Riverside, Calif. 92502.

MERCER, DR. MARGARET, b. Ridgway, Pa., Oct. 8, 07. **CLINICAL PSYCHOLOGY**. A.B. Pa. State, 29, M.S. 34, Ph.D. (psychol), 38. Asst. prof. counseling serv. Cornell, 37-42; intern clin. psychol., Rockland State Hosp., N.Y. 42-43; psychologist, State Training Sch. for Girls, Hudson, N.Y. 43-44; Torrance State Hosp., Pa. 44-46; dir. psychol. ed. serv. Pa. State Teachers Col. (Lock Haven), 46-47; chief clin. psychologist, Vet. Admin. Hosp., Coatesville, Pa. 47-52; dir. training clin. psychol. ST. ELIZABETHS HOSP., 52-58, DIR. PROG. RES. PERSONALITY ASSESSMENT, 58- Assoc. clin. prof. sch. med. George Washington, 66- Consult. grad. coun. George Washington. Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn. Perception and personality. Publ: Co-auth. Visual evoked responses of psychiatric patients, *Arch. Gen. Psychiat.*, 66; Study of a representative sample of psycho-geriatric patients, *Geriatrics*, 68; Why mentally retarded persons come to a mental hospital, *Ment. Retardation*, 68. Address: St. Elizabeths Hospital, Washington, D.C. 20032.

MERCER, DR. NORMAN A (NDREW), b. Buffalo, N.Y., Oct. 6, 18; m. 52; c. 1. **ECONOMICS**. B.S. Buffalo, 41; M.A. Harvard, 51, Ph.D. 60. Acct. & prod. engr. Nat. Carbon Co. 41-42, 46-49; lectr. ECON. Buffalo, 51-53; from instr. to asst. prof. Florida, 53-58; ASSOC. PROF. UNION COL. (N.Y.), 58- Consult. N.Y. State Legis. 62-66. U.S.N.A.F. 42-45, Lt. Econ. Asn. Government and business; economic and social implications of the large corporation; size distribution of income; public finance and taxation. Address: 7 Fairway Lane, Rexford, N.Y. 12148.

MERCHANT, PROF. CHARLES HENRY, b. West Monroe, N.Y., Mar. 28, 97; m. 24; c. 1. **AGRICULTURAL ECONOMICS**. B.S. Cornell, 20, M.S. 22, Ph.D. (agr. marketing, farm mgt. & econ), 28. Asst. agr. marketing, Cornell, 20-21, instr. 21-23; acting prof. agr. econ. & head dept. Utah State Agr. Col. 23-24; prof. AGR. ECON. & FARM MGT. & head dept. MAINE, 24-62, head

agr. econ, agr. exp. sta, 25-62, EMER. PROF, 62-; PROF. BUS. ADMIN, HUSSON COL, 62- Consult. Statist. Asn; Int. Conf. Agr. Econ; Agr. Econ. Asn. Agricultural credit; statistics, data processing, world policies and business management. Address: 7 Spencer St, Orono, Maine 04473.

MEREDITH, PROF. CAMERON W(ILLIAM), b. Norfolk County, Ont, Dec. 12, 16; nat. m. 40; c. 3. EDUCATIONAL PSYCHOLOGY. A.B. Michigan, 39, M.A., 49, Ph.D. 51. Consult & asst. community adult ed, Michigan, 46-50; lectr, 48-50; asst. prof. ed, Northwestern, 50-58; PROF. psychol, State Univ. N.Y. Col. Oswego, 56-59; ED. PSYCHOL, SOUTHERN ILLINOIS, 59-, HEAD ED. DIV, 60-, EXEC. DIR. STATE & NAT. PUB. SERV. DIV, 65-U.S.A.A.F, 42-46, Lt. Fel. AAAS; fel. Ed. Res. Asn; Psychol. Asn. Individual behavior; classroom teaching and learning; family life. Publ: Personality and social development during childhood and adolescence, Res. Ed. Res; Problem solving and creativity, J. Am. Asn. Nurse Anesthetists; contri. Perceiving, behaving, becoming. Address: 2010 Chapin Place, Alton, Ill. 62002.

MEREDITH, PROF. FLORA MARIE, b. Hagerstown, Md, July 30, 02. EDUCATIONAL PSYCHOLOGY. A.B. Duke, 23, summers, 28-43; Rockefeller Found. grant, Columbia, 38-39, M.A., 39. Teacher, high sch, Md, 23-25; Fla, 25-28; counsr, Womens Col, North Carolina, 28-35; prof. psychol. & dean women, Hendrix Col, 35-43; Tusculum Col, 45-51; PROF. PSYCHOL. & DIR. PLACEMENT SERV, EAST TENN. STATE, 51- Hazen Found. grant, 49-50; summer acting dean women, Duke, 30-43. AAAS; Psychol. Asn. Mental hygiene; vocational and educational counseling. Address: Dept. of Psychology, East Tennessee State University, Johnson City, Tenn. 37601.

MEREDITH, DR. L(EWIS) DOUGLAS, b. Scranton, Pa, May 7, 05; m. 35. ECONOMICS. A.B. Syracuse, 26, M.A., 27; fel. Yale, 30-31, Ph.D., 33; summer, Int. Univ. Spain, 58. Instr. econ, Syracuse, 25-27; asst. prof, Vermont, 27-35; investment analyst, NAT. LIFE INS. CO, 35-38, asst. to pres, 39-42, treas, 40-44, v-pres, 43-47, exec. v-pres, 47-66, v.chmn. bd. dirs. & chief financial officer, 66-68, DIR, 55-; PRES. CENT. VT. PUB. SERV. CORP, 68- Cnmr. banking & ins, State of Vt, 34-35; lectr, schs. banking, Vermont, 48, 50, 53, 56, 65; S.S. Huebner Found, 52; Univ. Puerto Rico, 60; Dartmouth Col, 60. Econ. Asn. Investments; life insurance management; money and credit. Publ: Merchandising for banks, trust companies and investment houses; How to buy a house. Address: 1500 Spear St, South Burlington, Vt. 05401.

MEREDITH, DR. WILLIAM M, b. Webster, S.Dak, Sept. 20, 29; m. 51; c. 4. PSYCHOLOGY. B.S. Washington (Seattle), 52, M.S., 56, Ph.D.(psychol), 58. Statistician, Washington (Seattle), 56-57, dir. student counseling center, 57-60; asst. prof. PSYCHOL, CALIFORNIA, BERKELEY, 60-65, assoc. prof, 65-67; PROF, 67- Vis. res. psychologist, psychomet. seminar, Ed. Testing Serv, Princeton, 66-67. Soc. Multivariate Exp. Psychol. Psychomet. Soc. Behavioral genetics; mathematical models for mental tests; multivariate analysis of behavioral data; quantitative methods and models applied to individual differences. Publ: A method for studying differences between groups, 64 & Some results based on a general stochastic model for mental tests, 65, Psychometrika; co-auth, Behavioral genetics, Annual Rev. Psychology, 66. Address: Dept. of Psychology, University of California, Berkeley, Calif. 94720.

MERENDA, PROF. PETER F(RANCIS), b. Everett, Mass, July 18, 22; m. 46; c. 3. PSYCHOLOGY. B.S. Tufts, 47, Ed.M., 48; Harvard, 51; Ph.D. Wisconsin, 57. Dir. res. dept. U.S. Naval Exam. Center, Ill, 51-57; exec. assoc. & res. dir, Walter V. Clarke Assocs, Inc, R.I., 57-60; asst. prof. PSYCHOL, RHODE ISLAND, 60-61, assoc. prof, 62-65, PROF, 65-, assoc. dean grad. sth. & coordinator res, univ, 65-67. Lectr. adult ed. div, high sch, Ill, 52-56; grad. div, R.I. Col, 60-61; v-pres, Warwick Community Guid. Clin, Inc, 61-62, pres, 62-64; summer assoc. prof, Indiana, 63; Fulbright-Hays res. scholar, lab. appl. psychol, Palermo, 67-68. Consult, Ed. Testing Serv, N.J., 54-61; Froedtert Malt Co, Wis, 55-56; res. consult, Walter V. Clarke Assocs, Inc, 60-; consult, State Cmn. Study Higher Ed, 58-59; State Dept. Ed, 59-61, 63-67; State Occup. Training Center, 59-65; res. consult, Wis. State, La Crosse, 64-65. U.S.N., 44-46, Res, 47-, Capt. Fel. AAAS; Psychol. Asn; Psychomet. Soc; Statist. Asn; Personnel & Guid. Asn; Nat. Coun. Measurement in Ed. Personnel measurement and evaluation; personality assessment; psychological test construction and analysis; research methodology and experimental design. Publ: Differences in results of inferential self measurement in self-concept analysis, Perceptual & Motor Skills, 67; Relationship between fourth grade performance on the Iowa tests of basic skills, J. Ed. Measurement, 68; Relationships among AVA and ACL scales as measured on a sample of college students, J. Clin. Psychol, 68. Address: 258 Negansett Ave, Warwick, R.I. 02888.

MERGLER, DEAN PHILLIP H(ENRY), b. Huron, Ohio, July 23, 08; m. 36; c. 3. PSYCHOLOGY. B.A. Hastings Col, 30; B.Th. & M.A. Princeton, 33, Ph.D.(oriental lang. & lit), 38; M.S. Kans. State Teachers Col, 55. Presby. minister, N.J., 38-43; prof. relig. & philos. & chaplain, Polytech. Inst, P.R., 43-46; prof, Col. Emporia, 47-50, acting pres, 47-48; prof. psychol. & philos, Jamestown Col, 50-61, dean men, 57-60; DEAN, HURON COL. (S.DAK), 61- Psychol. Asn. Testing and counseling the college student. Address: Huron College, Huron, S.Dak. 57350.

MERIAM, PROF. R(ICHARD) S(TOCKTON), b. Salem, Mass, Nov. 28, 93. ECONOMICS. A.B. Harvard, 14, Ph.D., 21; Paris, 14-16. From instr. to asst. prof, Harvard, 21-25; from assoc. prof. to prof, Amherst Col, 25-29; assoc. prof. bus. econ, GRAD. SCH. BUS. ADMIN, HARVARD, 29-33, prof, 33-50, Wilson prof. BUS. POLICY, 50-60, EMER. PROF, 60- Econ. Asn; Am. Acad. Arts & Sci. Economic theory; business administration; general management. Address: Baker Bridge Rd, Lincoln, Mass. 01773.

MERIKLE, DR. PHILIP M(UNSON), b. Jersey City, N.J., Jan. 12, 40; m. 42; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Knox Col, 62; Nat. Defense Ed. Act fel, Virginia, 62-65, M.A., 64, U.S. Pub. Health Serv. fel, 65-66, Ph.D. (psychol), 66. ASST. PROF. PSYCHOL, WATERLOO, 66- Nat. Res. Coun. Can. operating grant, 67-69. AAAS; Am. Psychol. Asn; Can. Psychol. Asn. Human learning and memory; psycholinguistics. Publ: Co-auth, Transfer

of training as a function of experimental paradigm and meaningfulness, 63 & Anagram free-recall and recognition learning, and paired-associate transfer, 65, J. Verbal Learning & Verbal Behav; auth, Unit size and interpolated-task difficulty as determinants of short-term memory, J. Exp. Psychol, 68. Address: Dept. of Psychology, University of Waterloo, Waterloo, Ont, Can.

MERIN, DR. SIDNEY J(ULIUS), b. Altoona, Pa, Jan. 22, 27; m; c. 4. PSYCHOLOGY. B.S. Pa. State, 50, Ph.D., 56; M.A., Temple, 51. Staff psychologist, Child Guid. Clin, St. Petersburg, Fla, 53-54, 55-56; asst. supvr, psychol. clin, Pa. State, 54-55; staff psychologist, Byron Harless & Assocs, 56-60; chief psychologist, Samuel G. Hibbs & Assocs, 60-64; CONSULT, 64- Adj. prof, South Florida, 62- Dir, Hillsborough County Ment. Health Asn, 59-62; Inter-Prinl. Family Coun, 61-65, v-pres, 65- Consult, Alcoholic Rehab. Clin, 57-60; Anclote Manor, 57-60; Community Resources Coun, 59-; Adult. Ment. Health Clin, Clearwater, Fla, 61-; Catholic Charities, 64-; Fla. Lutheran Synod, 66-; pres. & consult, Clin. Center Reading & Learning, 67- Dipl. clin. psychol, Am. Bd. Exam. Prinl. Psychol, 66- U.S.A., 45-46. Psychol. Asn; Coun. Except. Children; Nat. Coun. Family Rels. Determination and description of behavioral cues in children; neuropsychological assessment of brain-behavior relationships research related to reading and learning disabilities. Address: 41 Davis Blvd, Tampa, Fla. 36606.

MERKL, DR. PETER H(ANS), b. Munich, Germany, Jan. 29, 32; m. 54; c. 1. POLITICAL SCIENCE. B.A. Munich, 52; M.A., Minnesota, 53; Jordan fel, California, 54-55, Ph.D.(polit. sci), 59. Instr. POLIT. SCI, CALIFORNIA, SANTA BARBARA, 58-60, asst. prof, 60-64, ASSOC. PROF, 64-, Inst. Humanities res. grant, 68. Haynes Found. summer fel, 60; Ford Found. res. grant, 61-62; Soc. Sci. Res. Coun. summer res. grant, 62; Rockefeller Found. fel, 64-65; Nat. Endowment Humanities res. grant, 67. Polit. Sci. Asn; Int. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. European history and government; comparative politics and development; political theory. Publ: Origin of the West German Republic, 63 & Germany: yesterday and tomorrow, 65, Oxford Univ; Political continuity and change, Harper, 67. Address: 6543 Camino Venturoso, Goleta, Calif. 93017.

MERMELSTEIN, DR. DAVID, b. Baltimore, Md, Sept. 25, 33; m. 66; c. 1. ECONOMICS. B.A. Amherst Col, 55; Ph.D., Columbia, 67. Lectr. ECON, Columbia, 60; Hunter Col, 60-61; instr, POLYTECH. INST. BROOKLYN, 61-64, asst. prof, 64-68, ASSOC. PROF, 68- Lectr, Fairleigh Dickinson, 60-61. Liberal capitalism; relative positions of large industrial corporations. Publ: Co-ed, The great society reader, Random, 67; auth, Liberal democratic economic policy, Sci. & Soc, fall 63. Address: Dept. of Economics, Polytechnic Institute of Brooklyn, 333 Jay St, Brooklyn, N.Y. 11201.

MERRELL, DR. DAVID W(ILLIAM), b. South Bend, Ind, Feb. 21, 25; m. 54; c. 2. PSYCHOLOGY. B.A. Mich. State, 49, M.A., 51, Ph.D.(psychol), 55. STAFF PSYCHOLOGIST, Ft. Custer Vet. Admin. Neuropsychiat. Hosp, 54-56; ROHRER, HIBLER & REPLOGLE, 56-, RESIDENT PARTNER, 66- U.S.A., 43-46. Psychol. Asn. Publ: Co-auth, Managers for tomorrow, New Am. Library, 65. Address: Rohrer, Hibler & Replogle, 1530 Guardian Bldg, Detroit, Mich. 48226.

MERRENS, DR. HARRY ROY, b. Salford, Eng, July 21, 31; U.S. citizen: m. 64; c. 1. GEOGRAPHY. B.A. London, 54; Fulbright travel award, 55-57; M.A., Maryland, 57; Knapp fel, Wisconsin, 59-60, Ph.D.(geog), 62. Acting instr. GEOG, Rutgers, 60-61; Wisconsin, 61-62, vis. lectr, 65-66; asst. prof, San Fernando Valley State Col, 62-65, ASSOC. PROF, 67-68; YORK (ONT), 68- Nat. Sci. Found. awards, 63 & 64; Soc. Sci. Res. Coun. summer grants-in-aid, 66 & 67; Guggenheim fel, 66-67. Gerfurth award, 65. Brit. Army, 49-51, Sgt. Asn. Am. Geog. Historical geography of North America; colonial seaboard. Publ: Colonial North Carolina in the eighteenth century: a study in historical geography, Univ. North Carolina, 64; Historical geography and early American history, William & Mary Quart, 10/65. Address: Dept. of Geography, York University, Toronto 12, Ont, Can.

MERRIAM, PROF. ALAN P(ARKHURST), b. Missoula, Mont, Nov. 1, 23; m. 47; c. 3. ANTHROPOLOGY. B.A. Montana, 47; M.M. Northwestern, 48, Am. Coun. Learned Socs. fel, 48-50, univ. fel, 50-51, Ph.D.(anthrop), 51. Field res. grant, music found, Montana State, 50; Belgian Am. Ed. Found. & Wenner Gren Found, Belgian Congo, 51-52; instr. ANTHROP, Northwestern, 53-54; asst. prof, Wisconsin, Milwaukee, 54-56; Northwestern, 56-58, assoc. prof, 58-62; PROF, INDIANA, 62- CHMN. DEPT, 66- Northwestern Univ. Grad. Sch. field res. grant, Flathead Indians of West. Mont, summer, 58; Nat. Sci. Found. & Belgian Am. Ed. Found. field res. grant, Répub. of Congo, 59-60. Summers, asst. prof, Minnesota, 57; distinguished vis. prof, Montana, 65. Mem, President's Task Force for Africa, 60; joint cmt. African studies, Soc. Sci. Res. Coun, 60-66; adv. bd, Inter-Am. Inst. Musical Res, 61-; chmn. joint cmt. African studies, Am. Coun. Learned Socs, 62-65; mem, Int. Folk Music Coun. U.S. del, Int. Cong. Africanists, Accra, Ghana, 62, Dakar, Senegal, 67. U.S.A.A.F, 43-45. Fel. AAAS; fel. Anthropol. Asn; Soc. Ethnomusicol.(ed, Ethnomusicol, 52-56, v-pres, 60-62, pres, 62-64); African Studies Asn; Int. African Inst; African Music Soc. Ethnography and ethnomusicology of Republic of the Congo and Flathead Indians. Publ: Congo: background of conflict, 61 & The anthropology of music, 64, Northwestern; Ethnomusicology of the Flathead Indians, Aldine, 67. Address: Dept. of Anthropology, Indiana University, Bloomington, Ind. 47401.

MERRIAM, DR. IDA C(RAVEN), b. Philadelphia, Pa, Nov. 6, 04; m. 33; c. 1. ECONOMICS. B.A., Wellesley Col, 25; Chicago, 25-26; Ph.D.(econ), Brookings Inst, 28. Asst. ed, Encyclop. Soc. Sci, 28-34; asst. prof. econ, Conn. Col. for Women, 34-36; dir. div. prog. res, SOC. SECURITY ADMIN, DEPT. HEALTH, ED. & WELFARE, 36-65, ASST. CMNR. RES. & STATIST, 65- Fed. Women's Award, 66. Econ. Asn; Statist. Asn; Pub. Welfare Asn; Indust. Rels. Res. Asn; Pub. Health Asn. Economics of welfare. Publ: Contrib, Social security programs and economic stability, In: Policies to combat depression; Social security financing, Bur. Report, Soc. Security Admin; Social welfare expenditures in the United States, Soc. Security Bull. Address: 2908 Brandywine St, Washington, D.C. 20008.

MERRIAM, ROBERT E(DWARD), b. Chicago, Ill., Oct. 2, 18; m. 50; c. 3. PUBLIC ADMINISTRATION. M.A., Chicago, 40. Asst. Am. Soc. Planning Off., 40-41; asst. personnel officer, Nat. Youth Admin., 41; asst. to prog. supvr, Nat. Housing Agency, 41-42; proj. planner, Fed. Pub. Housing Authority, 46; dir. Metrop. Housing Coun., 46-47; alderman, City of Chicago, 47-55; asst. dir. U.S. Bur. Budget, D.C., 55-58, dep. dir, 58; dep. asst. to President, 58-61; dir. spec. prod. Portable Elec. Tools, Inc, 61; pres. Spaceonics, Inc, 61-64; PRES. UNIV. PATENTS, INC, 64- Lectr. & writer. Mem. Munic. Manpower Cmn, 61-63; Citizens Cmt. Cook County Govt, 67- U.S.A., 42-46, Capt. Soc. Pub. Admin; Polit. Sci. Asn. The presidency. Publ: Dark December; American government, democracy in action; Going into politics: a guide for citizens. Address: 2340 Lincoln Park W, Chicago, Ill. 60614.

MERRIAM, PROF. WILLIS BUNGAY, b. Spokane, Wash, May 14, 05; m. 28; c. 2. GEOGRAPHY. B.S. Washington (Seattle), 31, M.S., 33, Ph.D.(geog), 45. Instr. GEOG, East. Wash. Col. Ed, 37-40; asst. prof, Ore. Col. Ed, 40-42; Oregon, 42-45; WASHINGTON STATE, 45-60, assoc. prof, 60-67, PROF, 67- Fel. AAAS; Asn. Am. Geog. Regional, historic and economic geography of Pacific Northwest, North America and Europe; geography of Rogue River Valley and its associated highlands; urban and political geography. Address: Dept. of Geography, Washington State University, Pullman, Wash. 99163.

MERRICK, PROF. WAYNE R(EYNOLDS), b. Ft. Covington, N.Y., June 16, 17; m. 47; c. 5. POLITICAL SCIENCE. B.S. Syracuse, 39, M.A., 46, D.S.Sc. 56. Head social studies dept, high sch, N.Y., 46-48; asst. Maxwell Sch. Citizen-ship & Pub. Affairs, Syracuse, 48-52; asst. prof. hist. & polit. sci, ALLEGHENY COL, 52-53, POLIT. SCI, 53-56, assoc. prof, 56-60, PROF, 61-, CHMN. DEPT, 56-, acting chmn. dept, 53-56, coordinator, Falk Found. polit. prog, 52-58. Mobilization assignment, int. affairs div, U.S. Air Force Hq, 64- U.S.A.F., 42-46, Res. 46-, Lt. Col. Polit. Sci. Asn; Acad. Polit. & Soc. Sci; fel. African Studies Asn. International politics; United States foreign policy; African government and politics. Address: Dept. of Political Science, Allegheny College, Meadville, Pa. 16335.

MERRIFIELD, PROF. C(HARLES) W(ARREN), b. Chicago, Ill., Jan. 17, 14; m. 41; c. 2. SOCIAL SCIENCE. A.B. & A.M. Chicago, 35; Stanford, 40-41; Ph.D. Claremont Grad. Sch, 52. Instr. John Burroughs Sch, Mo, 36-40; ed. dir, Coun. Democracy, New York, 41-42; assoc. prof. soc. sci, Denver, 46-55; staff assoc, Wash. Int. Center, D.C., 55-57; assoc. dir, Joint Coun. Econ. Ed, New York, 57-60; res. dir, Coun. Nat. Orgn. Adult Ed, 59-60: PROF. SOC. SCI. & HEAD DIV. SOC. & BEHAV. SCI, CALIF. STATE COL, HAYWARD, 60- Res. coordinator, Agency Int. Develop-Calif. State Cols. Vietnam Student Scholar. Leadership Prog, 67- Mem. Calif. Cmt. Fulbright Scholar, 66-67. U.S.N.R., 42-46. Scientific analysis of social affairs; cross-cultural education; mixed economy; economic education; leadership theory; functional development as an instrument of the international society. Publ: Washington International Center as an experiment in international education; Leadership in voluntary enterprise; Changing life patterns: time, work and leisure, Layman's League, Unitarian Universalist Asn, 64-66. Address: Division of Social & Behavioral Science, California State College, Hayward, Calif. 94542.

MERRIFIELD, PROF. PHILIP R(ALPH), b. Abilene, Kans, Apr. 12, 21; m. 45; c. 2. EDUCATIONAL PSYCHOLOGY, PSYCHOMETRICS. A.B. Kenyon Col, 46; M.S. Southern California, 53, Ph.D.(psychol), 59. Instr. Eng. St. Johns Mil. Acad, 46; from instr. to adj. asst. prof. psychol. math, Southern California, 52-64; from assoc. prof. to prof. ED. PSYCHOL, Kent State, 64-68; PROF. & CHMN. DEPT, N.Y. UNIV, 68- Consult, Gen. Elec. Co, 59-; psychomet. consult, Merrill-Palmer Inst, 59-; consult, Syst. Develop. Corp, 62-63, human factors scientist, 63-64. U.S.A.A.F., 42-46, 1st Lt. Psychol. Asn; Ed. Res. Asn; Psychomet. Soc; Soc. Multivariate Exp. Psychol. Aptitude and personality measurement; factor-analytic and other multivariate statistical methodologies. Publ: Co-auth. Role of intellectual factors in problem-solving, Psychol. Monogr, 62 & System support for hypothesis, generation, Psychol. Reports, 65; auth. An analysis of concepts from the point of view of the structure of intellect, In: Analyses of concept learning, Academic, 66. Address: Dept. of Educational Psychology, New York University, New York, N.Y. 10003.

MERRIFIELD, DR. WILLIAM R, Ling, Anthropol, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

MERRILL, ARTHUR A(EXANDER), Statist, see 10th ed, Soc. & Behav. Vols.

MERRILL, C(URTIS) L(EROY), Geog, Geol, see 10th ed, Soc. & Behav. Vols.

MERRILL, PROF. FRANCIS E(LLSWORTH), b. Ft. Dodge, Iowa, May 21, 04. SOCIOLOGY. A.B. Dartmouth Col, 26; A.M. Chicago, 34, Ph.D., 37. Asst. prof. SOCIOL, Cent. YMCA Col, 32-35; instr, DARTMOUTH COL, 35-37, asst. prof, 37-46, PROF, 46- Mem. staff, War Prod. Bd. U.S. Dept. Justice; Bd. Econ. Warfare, 41-43; Fulbright lectr, France, 59-60; Nice, 66-67. Sociol. Asn; Soc. Study Social Probs. Social disorganization; social problems on the home front; courtship and marriage; marriage and the family in American culture; sociology of the arts. Publ: Society and culture; Introduccion a la sociologia, Aguilar, Madrid, Spain, 67. Address: Dept. of Sociology, Dartmouth College, Hanover, N.H. 03755.

MERRILL, PROF. GORDON CLARK, b. Windsor, Ont, Sept. 23, 19; m. 50; c. 2. GEOGRAPHY. B.A. McGill, 49, M.A., 51; Ph.D. California, 57. Lectr. GEOG, Indiana, 54-55; asst. prof, McGill, 55-57; assoc. prof, CARLETON (CAN), 57-64, PROF, 64-, ASSOC. DEAN ARTS, 66- Mem. regional geog. cmt, Pan-Am. Inst. Geog. & Hist, 66- R.C.A.F., 40-45. Am. Geog. Soc; Asn. Am. Geog; Can. Asn. Geog. Historical geography; geography of the Caribbean area. Publ: Historical geography of St. Kitts and Nevis, the West Indies. Address: Dept. of Geography, Carleton University, Ottawa, Ont, Can.

MERRILL, DR. H(EBER) KENT, b. Logan, Utah, Aug. 17, 38; m. 62; c. 2. PSYCHOLOGY. B.A. Brigham Young, 60, M.A., 61; Ph.D.(psychol), Utah, 68. ASST. PROF. PSYCHOL, BRIGHAM YOUNG, 67- U.S.A., 61-63. AAAS. Neurophysiological and neuropsychological foundations of behavior, especially the reinforcing aspects of electrical stimulation of the brain. Address: Dept. of Psychology, Brigham Young University, Provo, Utah 84601.

MERRILL, JAMES ALBERT, b. Castle Rock, Wash, Sept. 19, 24; m. 46; c. 4. STATISTICS. B.S. Stanford, 50, M.S., 51. Statistician, Sandia Corp, 51-53; Gen. Elec. Co, 53-57; head math. statist. group, atomic energy div, Phillips Petrol. Co, 57-63; STATISTICIAN, STATIST. RES. DIV, RES. TRIANGLE INST, 64- U.S.A.A.F., 43-46. Statist. Asn. Application of statistical methods, especially design and analysis of experiments to industrial research and development activities; statistical consulting and quality control work. Publ: Co-auth, Minimum risk specification limits, J. Am. Statist. Asn, 3/59, Statistical considerations in the analysis of directional-correlation data, Nuclear Instruments & Methods, Vol. 23, No. 1, 63 & Augmenting existing data in multiple regression, Technometrics, 2/68. Address: 910 Cindy St, Cary, N.C. 27511.

MERRILL, DR. M(ARRINER) DAVID, b. Ogden, Utah, Mar. 27, 37; m. 59; c. 4. EDUCATIONAL PSYCHOLOGY. B.A. Brigham Young, 61; Nat. Defense Ed. Act. fel, Illinois, 61-64, M.A. & Ph.D.(ed. psychol), 64. Asst. prof. psychol, George Peabody Col, 64-66; ED. PSYCHOL, Brigham Young, 66-67; vis. asst. prof, Stanford, 67-68; ASSOC. PROF, BRIGHAM YOUNG, 68- U.S. Off. Ed. grant, 66-68. Consult, Midcontinent Regional Ed. Lab, 67; Calif. Sch. Bds. Asn, 68. Henry Aldous Dixon award, Brigham Young, 67. Psychol. Asn; Ed. Res. Asn. Learning and instruction in schools; instructional design and programmed learning; computer assisted instruction. Publ: Correction and review on successive parts in learning a hierarchical task, J. Ed. Psychol, 65; co-auth, Hierarchical preview versus problem oriented review in learning an imaginary science, Am. Ed. Res. J, 66; auth, Components of a cybernetic instructional system, Ed. Tech, 68. Address: School of Education, Brigham Young University, Provo, Utah 84601.

MERRILL, DR. MILTON R(EES), b. Richmond, Utah, Apr. 3, 01; m. 26; c. 2. POLITICAL SCIENCE. B.S. Utah State Agr. Col, 25; A.M. Columbia, 32, Ph.D., 51. Asst. info. serv, UTAH STATE, 26-27, instr. hist. & dir. info. serv, 27-31, asst. prof. hist, 32-33, assoc. prof. POLIT. SCI, 34-40, PROF. & HEAD DEPT, 40-, V.PRES. UNIV, 59-, asst. dir. summer sch, 34-37, dir, 39-50, dean sch. bus. & soc. sci, 50-59, asst. to pres, 36-40, dir. correspondence study & exten. class work, 39-45. Polit. Sci. Asn. Address: Dept. of Political Science, Utah State University, Logan, Utah 84321.

MERRILL, PROF. PIERCE KELTON, b. Harrison, Ark, Sept. 11, 01; m. 43; c. 2. SOCIOLOGY. B.A. Oklahoma, 28, M.A., 38; Ph.D.(sociol), Vanderbilt, 51. Prof. sociol, Southeast. State Col, 38-42; supt. dist. civil aeronaut, War Training Serv. Prog, 42-44; PROF. SOCIOL, ARK. POLYTECH. COL, 44-, CHMN. LIBERALS ARTS DEPT, 66- Negro-white relations; poverty. Address: Liberal Arts Dept, Arkansas Polytechnic College, Russellville, Ark. 72801.

MERRILL, PROF. REED M, b. Utah, Oct. 25, 19; m. 37; c. 4. PSYCHOLOGY. B.A. Utah, 41, M.A., 46; Ph.D.(psychol), Washington (Seattle), 53. Counselor, child guid. clin, Washington (Seattle), 46-47, counseling supvr, Vet. Admin. Guid. Center, 47-48, dir. counseling center, 48-54; PROF. ED. PSYCHOL. & DIR. STUDENT GUID. CENTER, UTAH, 54-, CHMN. DEPT. ED. PSYCHOL, 62- Consult, Seattle Psychiat. Inst, 46-54; Vet. Admin, 58-; Voc. rehab. & ed. consult, D.C., 62- U.S.A., 42-46. AAAS; fel. Psychol. Asn; Personnel & Guid. Asn. Counseling psychology; learning theory; tests and measurements. Publ: Use of an adjective checklist as a measure of adjustment, J. Counseling Psychol; Effect of pre-experimental and experimental anxiety on recall efficiency, J. Exp. Psychol; Evaluative study of probation students academic preference in a university, J. Ed. Res. Address: 1741 E. 3150 S, Salt Lake City, Utah 84106.

MERRILL, DR. ROBERT S(TEPHEN), b. Greeley, Colo, Dec. 7, 21; m. 43; c. 3. ANTHROPOLOGY, ECONOMICS. Acad. of Time fel, Chicago, 48-49, Harper fel, 50-51, M.A., 51, Ph.D.(anthrop), 59. Asst. pharmacol, Chicago, 42-47, res. assoc, res. center econ. develop. & cultural change, 51-53, instr, 53-58; asst. prof. anthrop. & econ, Minnesota, 59-61; ASSOC. PROF. ANTHROP, ROCHESTER, 61-, ASSOC. CHMN. DEPT, 64- Ford Found. sr. res. fel, grad. sch. indust. admin, Carnegie Inst. Tech, 61-62; summer fel, law sch, Wisconsin, 61. Assoc. Current Anthropol. Fel. AAAS; fel. Anthropol. Asn. Soc. Appl. Anthropol; Econ. Asn; Soc. Hist. Tech. Carbon-14 dating; cultural and social change; economic and applied anthropology; economic growth; primitive technology and technological change; culture and social organization of modern science and technology. Publ: The study of technology, In: International encyclopedia of the social sciences, Macmillan, 68. Address: 75 Council Rock Ave, Rochester, N.Y. 14610.

MERRILL, DR. W(ARNER) JAY, JR, Statist, see 11th ed, Phys. & Biol. Vols.

MERRILL, DR. WILLIAM C, b. Webster City, Iowa, Mar. 2, 34; m. 58; c. 2. ECONOMICS. B.S. Iowa State, 59; Ph.D.(econ), California, 64. ASSOC. PROF. ECON, IOWA STATE, 64- U.S.A., 54-56. Statistics. Address: Dept. of Economics, Iowa State University, Ames, Iowa 50010.

MERRITT, PROF. CURTIS B(RADFORD), b. Albion, Mich, Feb. 22, 14; m. 42; c. 3. EDUCATIONAL PSYCHOLOGY. A.B. Albion Col, 36; M.A. Michigan, 46, Ph.D., 50. Teacher, pub. schs, Mich, 36-41; supvr, Hercules Powder Co, Va, 42-45; res. assoc, eng. res, Michigan, 45-46; dean of men, Hillsdale Col, 48-49; PROF. ED. PSYCHOL, ARIZONA, 49-, ASSOC. DEAN GRAD. COL, 67-, acting dean, Col. Ed, 59-60, head dept. ed. psychol, 67. Res. consult, Appl. Res. Lab, Univ. Arizona, 56-59; Dist. 1 Pub. Schs, Tucson, 61-67. Psychol. Asn; Ed. Res. Asn; Nat. Soc. Study Ed. Educational measurement; application of computers to educational data processing. Publ: The pecuniary honesty of the public at large, J. Abnorm. & Soc. Psychol; Requirements for masters degrees in education, J. Ed. Res. Address: Graduate College, University of Arizona, Tucson, Ariz. 85716.

MERRITT, DR. RICHARD LAWRENCE, b. Portland, Ore, Aug. 8, 33; m. 58; c. 3. POLITICAL SCIENCE. B.A. Southern California, 55; Woodrow Wilson fel. & M.A. Virginia, 56; Fulbright grant & German govt. scholar, Free Univ. Berlin, 56-57; Overbrook & Soc. Sci. Res. Coun. fcls. & Ph.D.(int. rels), Yale, 62. Instr. polit. sci, Yale, 62-63, asst. prof, 63-67; Fulbright res. scholar, Free Univ. Berlin, 66-67; ASSOC. PROF. POLIT. SCI. & RES. ASSOC. PROF. COMMUN, ILLINOIS, URBANA, 67- Jr. faculty fel, Yale, 66-67. Am. Polit. Sci. Asn; Int. Polit. Sci. Asn. International and compara-

tive politics, especially systematic cross-national research; German politics, particularly West Berlin. Publ: Auth, Symbols of American community, 1735-1775 & co-auth, Comparing nations: the use of quantitative data in cross national research, Yale, 66; co-auth, France, Germany, and the Western Alliance, Scribner, 67. Address: Dept. of Political Science, University of Illinois, Urbana, IL 61801.

MERRITT, DR. ROGER K(ING), b. Marshall, Mo, Feb. 12, 28; m. 58. CLINICAL PSYCHOLOGY. B.A. Washington (St. Louis), 50; M.A. Texas, 52; Ph.D. Houston, 57. Counsr, psychol. serv. center, Houston, 53-54; intern, Wichita Guid. Center, Kans, 54-55; sr. & chief psychologist, Osawatimie State Hosp, 55-58; chief psychol. & admin. dir, Jackson Ment. Health Center, Tenn, 58-59; clin. psychologist, ment. hyg. clin. Vet. Admin. Center, 59-61; consult. dir. psychol. serv, Child Guid. Center, 61-62; clin. psychologist & admin. dir, ment. hyg. clin. Vet. Admin. Center, Shreveport, La, 62-65; CHIEF PSYCHOLOGIST, WEST. MO. MENT. HEALTH CENTER, KANSAS CITY, 65-Private practice, 59-; assoc. prof. sch. med, Missouri, Kansas City, 65-Consult, Confederate Mem. Med. Center, Shreveport, La, 59-65; Osawatimie State Hosp, Kans, 68- Psychol. Asn. Measurement of parent-child relationships in deviant and normal groups; speed performance on intelligence tests as a function of personal and social adjustment in later maturity and old age. Address: 8815 Hadley, Overland Park, Kans. 66212.

MERRY, DR. FRIEDA KIEFER, b. Dayton, Ohio, July 20, 97; m. 29. PSYCHOLOGY. B.A. Ohio State, 21, fel, 26-27, Ph.D.(clin. psychol), 27; A.M. Michigan, 23; Columbia, 23; Washington (Seattle), 23-24; Harvard, 27-28. Psychol. examiner, child study lab, pub. schs, Wash, 23-24; asst. prof. ed. & res. asst. to pres, Wittenberg Col, 24-25; asst. prof. psychol. & dir, Wittenberg-Springfield Child Study Dept, 25-26; supvr. spec. studies, Am. Found. Blind, Inc, Perkins Inst. & Mass. Sch. Blind, 27-32; consult. child guid, 32-33; prof. psychol. & dean women, Alfred Holbrook Col, 33-34; ed, MORRIS HARVEY COL, 34-40, prof. PSYCHOL, 34-62, EMER. PROF, 62-Meritorious serv. award, Morris Harvey Col, 58. Fel. AAAS; fel. Psychol. Asn; fel. Int. Coun. Psychol. Educational psychology; methods of teaching blind children; psychology of childhood and adolescence. Publ: Co-auth, from infancy to adolescence, 40 & First two years of life, 50 & rev. ed, 58, Harper. Address: 2108 Kanawha Ave, S.E., Charleston, W.Va. 25304.

MERRY, DR. HENRY J(OHN), b. Pontiac, Mich, Sept. 28, 08. POLITICAL SCIENCE, LAW. A.B. Michigan, 31, L.L.B. 36; M.A. American Univ, 52; L.L.M. Harvard, 54; Ph.D. London, 57. Private practice, 37-46; mem, Excess Profits Tax Coun, U.S. Bur. Internal Revenue, D.C, 46-47, chmn, 47-52; asst. controller, Paris Regional Off, Mutual Security Agency, 52-53; lectr. & asst. polit. sci, Mich. State, 57-58; legis. attorney, legis. reference serv, Library Cong, D.C, 58-60; assoc. prof. POLIT. SCI, Northern Illinois, 60-62; asst. prof, PURDUE, Lafayette, 62-68, ASSOC. PROF, CALUMET CAMPUS, 68- Polit. Sci. Asn; Soc. Polit. & Legal Philos. Political theory; history of political thought; comparative politics; political science methods. Publ: Investigating power of Congress, Am. Bar J; Operations of the high authority of the European coal and steel community, West. Polit. Quart. Address: Dept. of Political Science, School of Humanities, Social Science & Education, Purdue University, Calumet Campus, Hammond, Ind. 46323.

MERRY, PROF. PAUL R(OBERT), b. Kansas City, Mo, May 15, 21; m. 43; c. 2. MARKETING, STATISTICS. A.B. Baker, 42; M.B.A. Denver, 47; scholar, Northwestern, 47-49, Ph.D.(mkt), 55. Asst. prof. statist. & res. DENVER, 49-54, assoc. prof, 54-56, mkt. & statist, 56-60, PROF. STATIST, 60-, asst. dean Col. Bus. Admin, 60-64, asst. bur. bus. & soc. res, 46-47, res. assoc, 49-51, assoc. dir, 51-60. Ford Found. fel, inst. basic math. for appl. bus, Harvard, 59-60. U.S.N.R, 42-45. Mkt. Asn; Statist. Asn. Research methodology. Address: 1551 E. Cornell Ave, Englewood, Colo. 80110.

MERRY, DR. RALPH V(ICKERS), b. Magog, Que, Dec. 8, 03; nat; m. 29. EDUCATIONAL PSYCHOLOGY. B.A. McGill, 26, M.A. 27; Ed.M. Harvard, 30, Ed.D.(ed. psychol), 32. Asst. prof. ed, Alfred Holbrook Col, 33-34; prof. ed. & psychol, Morris Harvey Col, 34-39, psychol. & philos, 39-62, meritorious serv. award, 58; RETIRED. Fel. AAAS; fel. Am. Psychol. Asn; fel. Soc. Res. Child Develop; fel. Royal Soc. Arts. Special education; child development. Publ: Problems in the education of visually handicapped children, Harvard, 33; co-auth, From infancy to adolescence, 40 & First two decades of life, 50 & rev. ed, 58, Harper. Address: 2108 Kanawha Ave, S.E., Charleston, W.Va. 25304.

MERTENS, DR. MARJORIE S(TRAUBE), b. Cleveland, Ohio, July 25, 20; div; c. 1. PSYCHOLOGY. B.S. Temple, 42; M.S. Pa. State, 48, fel, 50-51, Ph.D. (psychol), 51. Jr. grade res. psychologist, Richardson, Bellows, Henry & Co, Inc, 51; psychologist, Hudson State Training Sch, 52; trainee clin. psychol, Vet. Admin, 52-54, clin. psychologist, 54-55; dir. psychol. servs, Laurelton State Sch. & Hosp, 55-65. Instr, Mary Washington Col, 52. W.A.C, 43-45. Psychol. Asn. Publ: Effects of mental hygiene films on self-regarding attitudes. Address: Polk, Pa. 16347.

MERTES, PROF. JOHN E(RASMUS), JR, b. Prague, Okla, Aug. 6, 13; m. 41; c. 2. MARKETING. B.S. Oklahoma, 35; B. Altman & Co. & A.I. Namm & Co. fcls, N.Y. Univ, 36-37, M.S. 37, Bemis Bros. Bag Co. fel, 50; univ. fel, Indiana, 50-51, M.B.A. 52, Young & Rubicam, Inc, fel, 53, Ford Found. fel, 57, D.B.A. 56. Store mgr, Panama R.R. Co, 37-44; merchandise mgr, Sears Roebuck & Co, 44-46; assoc. prof. MKT, OKLAHOMA, 46-52, PROF, 52-Intern, Leo Burnett Co, 55; Small Bus. Admin. res. grant, res. inst, Oklahoma, 59-63; vis. prof, Illinois, Chicago, 66-67; Southern Illinois, 68. Summers, sr. econ. analyst, Carter Oil Co, Okla, 59, South. Case Writers' Asn. grants, 62-64. Mem. bd. & mem. acad. rels. cmt, Advert. Fedn. Am, 65-67. Mkt. Asn; Acad. Advert.(v.pres, 65, pres, 66). Publ: Contrib, Principles of advertising, Pitman, 63; auth, Visual design and the marketing manager, Calif. Mgt. Rev, winter 65; The elegant and the novel, Miss. Valley J. Bus. & Econ, fall 66. Address: Faculty Exchange, University of Oklahoma, 724 Chautauqua, Norman, Okla. 73069.

MERTON, PROF. ROBERT K(ING), b. Philadelphia, Pa, July 5, 10; m. 34; c. 3. SOCIOLOGY. A.B. Temple, 31, LL.D. 56; M.A. Harvard, 32, Ph.D. (sociol), 36; L.H.D. Emory, 65; hon. Dr. Leiden, 65; LL.D. Western Re-

serve, 66; Litt.D. Colgate, 67. Tutor & instr. SOCIOL, Harvard, 36-39; prof. & chmn. dept, Tulane, 40-41; asst. prof. COLUMBIA, 41-44, assoc. prof, 44-47, prof, 47-63, GIDDINGS PROF, 63-, ASSOC. DIR. BUR. APPL. SOC. RES, 42- Daniel Coit Gilman lectureship, sch. med, Hopkins, 62; Guggenheim fel, 62-63; Nat. Insts. Health lectureship, 64. Consult, Am. Nurses Asn. Mem; Surg. Gen. Consult. Group Nursing Ed, 63-66; Carnegie Cmn. Ed. of Educators, 66-; Nat. Cmn. Nursing Ed, 67- Distinguished scholar in humanities prize, Am. Coun. Learned Soc, 62; distinguished alumnus award, Temple, 64. Nat. Acad. Sci; AAAS; Sociol. Asn.(pres, 57); fel. Philos. Soc; Hist. Sci. Soc; Soc. Hist. Tech; fel. Am. Acad. Arts & Sci; Nat. Acad. Ed; Sociol. Res. Asn.(pres, 67); Soc. Study Social Probs; fel. World Acad. Art & Sci. Sociology of professions and science; sociological theory; mass communications. Publ: Social theory and social structure; Science, technology and society in 17th century England; Mass persuasion. Address: 111 Pinecrest Dr, Hastings-on-Hudson, N.Y. 10706.

MERTZ, PROF. J(OSEPH) DOUGLAS, b. Allentown, Pa, Dec. 19, 16; m. 37; c. 2. POLITICAL SCIENCE. A.B. Ursinus Col, 38; LL.B. Yale, 42. Prof. law, Dickinson Col, 46-48; asst. prof. POLIT. SCI, COLO. CO, 48-53, assoc. prof, 53-56, PROF, 56-, chmn. dept, 53. Dir, Ford Independent Study Prog, 65-69. The infant and negligence per se in Pennsylvania. Address: Dept. of Political Science, Colorado College, Colorado Springs, Colo. 80903.

MERWIN, DR. CHARLES L(EWIS), b. East Palestine, Ohio, June 30, 12; m. 39; c. 1. ECONOMICS. B.A. Ohio Wesleyan, 34; M.A. Pennsylvania, 36, Harrison fel, 37-38, Ph.D.(econ. theory & statist), 42. Instr. bus. admin, Muhlenberg Col, 36-37; econ. analyst, U.S. Dept. Commerce, 38-42; statistician, War Prod. Bd, 42-43; mission for econ. affairs, U.S. Embassy, London, 43-46; from mem. staff to asst. dir. European dept, INT. MONETARY FUND, 46-64, DEP. DIR. AFRICAN DEPT, 64- Mem. bus. financing res. staff, Nat. Bur. Econ. Res, 40-41; prof. lectr, American Univ, 47-53. Consult, Econ. Coop. Admin. Mission, France, 48. Am. Econ. Asn; Royal Econ. Soc. International economics and finance; money and banking; national income. Publ: Financing small corporations in five manufacturing industries; American studies of the distribution of income and wealth, Studies Income & Wealth; The road to Bretton Woods, Finance & Develop, 9/64. Address: 4113 49th St, N.W., Washington, D.C. 20016.

MERWIN, PROF. JACK C, b. Woodstock, Ill, July 9, 25; m. 45; c. 2. EDUCATIONAL PSYCHOLOGY. B.S. Illinois, 49, M.S. 50, Ed.D.(ed. psychol), 55. Teacher, jr. high sch, Ill, 49-52, chmn. dept. math, 50-52; asst. prof. ed, Syracuse, 55-58, assoc. prof, 58-60; ED. PSYCHOL, MINNESOTA, MINNEAPOLIS, 60-63, PROF, 63-, DIR. PSYCHOL. FOUND, 67- Staff dir, Explor. Cmt. Assessing Progress Ed, 65-67, consult, 67- U.S.A.F.R. 43-66, Maj. Ed. Res. Asn.(v.pres, 67-69); Asn. Measurement & Eval. Guid: Psychol. Asn; Psychomet. Soc. Educational and psychological measurement and evaluation. Publ: Co-auth, Counseling and the use of tests, Univ. Minnesota, 62; auth, Constructing achievement tests and interpreting scores in evaluation in math, Nat. Coun. Teachers Math, 61; co-auth, Stanford achievement tests: high school battery, Harcourt, 66. Address: 1896 Dellwood Ave, St. Paul, Minn. 55113.

MERYMAN, DR. JOHN J(ACOB), b. Winthrop, Mass, Aug. 14, 22; m. 45. PSYCHOLOGY. B.A. Denver, 50; M.A. Iowa, 52, Ph.D. 53. Asst. prof. PSYCHOL, Lake Forest Col, 53-56; SAN JOSE STATE COL, 56-59, ASSOC. PROF, 59- Consult, Abbott Labs, Ill, 55-56. U.S.A.A.F. 43-45. Psychol. Asn; Ling. Soc; Soc. Res. Child Develop; Anthropol. Asn. Child psychology; cross-cultural socialization processes; psycholinguistics; cognitive functions and human learning; research methodology; behavioral sciences in relation to Utopian ideologies. Publ: Co-auth, A review of efforts to organize information about human learning, transfer, and retention, Aerospace Med. Res. Labs, Wright-Patterson Air Force Base, 66. Summation of generalized reactive tendencies, J. Exp. Psychol. & Sound-induced startle response as a function of time since shock, J. Comp. & Physiol. Psychol. Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 95114.

MERZBACH, PROF. L(UDWIG) H(ERMAN), b. Posen, Germany, Oct. 3, 96; nat; m. ECONOMICS, POLITICAL SCIENCE. Dr. rer. pol, Berlin, 23. Economist & comptroller, Gen. Elec. Co, Germany, 25-38; asst. prof. ECON. & BUS. ADMIN, SOUTHWESTERN (TEX), 47-55, assoc. prof, 55-61, PROF, 61-, HEAD DEPT, 58- Econ. Asn; Polit. Sci. Asn; Acad. Polit. Sci. Finance; government; business; industrial management and relations. Address: Dept. of Economics & Business Administration, Southwestern University, Georgetown, Tex. 78626.

MERZBACHER, PROF. CLAUDE F, Phys. Sci, Psychol, see 11th ed, Phys. & Biol. Vols.

MESINGER, DR. JOHN F(REDERICK), b. Indianapolis, Ind, July 17, 29; m. 54; c. 3. PSYCHOLOGY. A.B. Hamilton Col, 51; M.A. Butler, 52; Ph.D.(psychol), Purdue, 55. Tech. aide soc. sci, personnel res. & proc. div, Adj. Gen. Off, Dept. Army, 56-58; clin. psychologist, pub. schs, Pa, 58-64; asst. prof. EMOTIONALLY DISTURBED CHILDREN, SCH. ED, VIRGINIA, 65-67, ASSOC. PROF, 67- Lectr, Pittsburgh, 59-63; exten. Pa. State, 63-64; U.S. Off. ed. prog. develop. grant, 67-68. Consult, Easter Seal Soc, Allegheny County, Pa, 60-64; pub. schs, Va, 66-67; Community Action Orgn. Westminster Tutorial Proj, 67-68. U.S.A. 56-58. AAAS; Ed. Res. Asn; Psychol. Asn. Perception as related to projection; child evaluation; characteristics of teachers of disturbed. Publ: Co-auth, Emotionally disturbed and brain damaged children—should we mix them, Except. Children, 12/65; auth, Current myths and old realities, J. Spec. Ed, spring 67; Whither Head Start three years later, Ed. Rev. Va, 67. Address: Peabody Hall, University of Virginia, Charlottesville, Va. 22903.

MESSENGER, PROF. JOHN COWAN, b. Green Bay, Wis, Apr. 2, 20; m. 47. CULTURAL ANTHROPOLOGY. B.S. Lawrence, 47; Washington (St. Louis), 47-49; Carnegie Found. fel, Northwestern, 49-50, 52-53, Soc. Sci. Res. Coun. Area fel, 51-52, Ph.D.(anthrop), 57. Assoc. prof. sociol, anthrop, for. studies, soc. sci, African lang. & area center, Mich. State, 53-63; assoc. prof. sociol. & anthrop, Carleton Col, 63-64; PROF. FOLKLORE, ANTHROP. & AFRICAN STUDIES & ASST. DIR, FOLKLORE INST, INDI-

ANA, 64- Exchange scholar, Ireland, 59-60; Indiana Univ-Ford Int. prog. summer grant ethnographic res, Montserrat, 65; Fulbright-Hays grant, Queen's (Belfast), 68-69. Mem. Am. Cmt. Irish Studies. Med.C, 42-46, 1st Lt. Am. Anthropol. Assn; Am. Folklore Soc; African Studies Assn; Soc. Sci. Study Relig; Int. African Inst; African Studies Assn. U.K; Folklore Ireland Soc. Ethnographic research among the Anang of southeastern Nigeria, the Aran Islanders of western Ireland and the Montserrat Islanders of the West Indies. Publ: Religious acculturation among the Anang Ibibio, In: Continuity and change in African cultures, Univ. Chicago, 62; Inis Beag: Isle of Ireland, Holt, 68; The role of proverbs in a Nigerian judicial system, In: The study of folklore, Prentice-Hall, 65. Address: Folklore Institute, Indiana University, 714 E. Eighth St, Bloomington, Ind. 47401.

MESSENGER, PROF. LOREN E(LIOT), b. Winona, Minn, Sept. 11, 03; m. 26; c. 4. PSYCHOLOGY. B.S. Idaho, 25, M.S. 28; Ed.D.(psychol), Oregon, 53. PROF. PSYCHOL, SOUTH. ORE. COL, 28- U.S.N.R, 43-46, Comdr. Psychol. Asn. Clinical, child and educational psychology. Address: 4516 Highway 66, Ashland, Ore. 97520.

MESSICK, DR. DAVID M, b. Philadelphia, Pa, Sept. 3, 37; m. 60; c. 2. PSYCHOLOGY. B.A. Delaware, 61; M.A. North Carolina, Chapel Hill, 64, Ph.D. (psychol), 65. Acting asst. prof. PSYCHOL, CALIFORNIA, SANTA BARBARA, 64-65, ASST. PROF, 65-, v.chmn. dept, 67-68. AAAS; Psychonomic Soc; Psychomet. Soc; Statist. Asn. Human decision making and cognition, especially social psychological factors. Publ: Co-auth, Expected value and response uncertainty in multiple-choice decision behavior, J. Exp. Psychol, 70: 224-230; auth, Interdependent decision strategies in zero sum games; a computer-controlled study, Behav. Sci, 12: 33-48; co-auth, Relative gain maximization in experimental games, J. Exp. Soc. Psychol, 3: 85-101. Address: Dept. of Psychology, University of California at Santa Barbara, Santa Barbara, Calif. 93106.

MESSICK, DR. SAMUEL J(AMES), b. Philadelphia, Pa, Apr. 3, 31; m. 52; c. 4. PSYCHOLOGY. A.B. Pennsylvania, 51; Ed. Testing Serv. fel, Princeton, 51-54, A.M. 53, Ph.D.(psychol), 54. Ford Found. fel. personality dynamics & develop, Illinois, 54-55; U.S. Pub. Health Serv. fel, Menninger Found, Kans, 55-56; res. psychologist, ED. TESTING SERV, 56-60, SR. RES. PSYCHOLOGIST, 60-. EXEC. DIR. RES. PROGS, 67-, chmn. personality res. group, 59-67. Soc. Sci. Res. Coun. fel, summer inst, Stanford, 57; vis. lectr, Princeton, 58-59, 60-61; Pennsylvania, 61, 63; fel, Center Adv. Study Behav. Sci, Stanford, 62-63; adj. prof, City Univ. New York, 66- Mem. adv. cmt. alcoholism, Nat. Inst. Ment. Health, 67- AAAS; Soc. Res. Child Develop; Ed. Res. Asn; Psychol. Asn; Soc. Multivariate & Exp. Psychol; Psychomet. Soc; Psychonomic Soc; Statist. Asn. Personality theory and measurement; cognition; attitude measurement; psychological scaling; psychometrics; cognitive and personality development; student characteristics and performance; theories of instruction and educational systems; social and environmental influences in education. Publ: Co-auth, Measurement in personality and cognition, 62 & Computer simulation of personality, 63, Wiley; Problems in human assessment, McGraw, 67. Address: Educational Testing Service, Princeton, N.J. 08538.

MESSINA, PROF. ANTOINETTE J, b. Newark, N.J, Oct. 30, 32. ECONOMICS. B.A. Rutgers, 54; M.B.A. N.Y. Univ, 58; Inst. Int. Ed. grant, Rome, Italy, 58-59, cert, 59. Asst. trust adminstr, Bank of New York, 55-56; asst. economist, Fed. Reserve Bank of N.Y, 56-61; asst. acct. exec, Fiduciary Counsel, Inc, 61; instr. econ. & finance, Union Col, 61-62; asst. prof. econ. & hist, Newark State Col, 62-64; preceptors asst. & res. assoc. econ, Rutgers, 64-65; ADJ. ASST. PROF. ECON. & FINANCE & ASST. TO GRAD. DEAN, SETON HALL, 65- Lectr, City Col. New York, 57-58. Mem. N.J. Coun. Econ. Ed, 62- Econ. Asn; Finance Asn; Acad. Polit. & Soc. Sci. Money and banking; common trust investments; portfolio management. Address: 52 Wabeno Ave, Springfield, N.J. 07081.

MESSING, DR. JANET K(APELSOHN), b. New York, N.Y, Oct. 12, 18; m. 48; c. 2. ECONOMICS, PUBLIC FINANCE. A.B. Hunter Col, 39; M.S. Columbia, 40; Ph.D. N.Y. Univ, 59. Lectr. ECON, HUNTER COL, 48-59, instr, 59-61, asst. prof, 61-63, ASSOC. PROF, 63- Pub. acct, 45-; dir. tax proj, Financial Exec. Res. Found, Inc, 67- Mem. Acct. Careers Coun. Econ. Asn; Tax Inst; Nat. Asn. Acct; Am. Acct. Asn; Woman's Soc. Cert. Pub. Acct. Taxation, history and economics of current federal taxes; attitudes toward taxation; economic role of women; origins of tax provisions; influence accounting concepts; federal tax reform; effects of negative income tax; comparison of American and foreign taxes. Publ: Taxes and the pursuit of knowledge; From the thoughtful tax man, Taxes; Review of: United States income taxation of foreign corporations and nonresident aliens, Financial Exec, 11/67. Address: 35-23 171 St, Flushing, N.Y. 11358

MESSING, DR. SIMON D(AVID), b. Frankfurt, Germany, July 13, 22; nat. ANTHROPOLOGY. B.S.S. City Col. New York, 49; Harrison fel, Pennsylvania, 50-51, M.A. 51, Ph.D. 57; Ford Found. fel, Ethiopia, 53-54. Res. assoc, Dropsie Col, 55-56; asst. prof, Paine Col, 56-58; Hiram Col, 58-60; assoc. prof. anthropol, South Florida, 60-61; SOC. ANTHROPOLOGIST, Agency Int. Develop, 61-67; COMMUNITY PEDIAT. CENTER, SCH. MED, MARYLAND, 67- Danforth Found. summer fel, 59; participant, World Conf. Sociol, Evian, France, 66. Consult, for. area studies div, spec. opers. res. off, American Univ; Pinellas County Pub. Health Res. for Aged, 60-61. Fel. AAAS; fel. Anthropol. Asn; fel. African Studies Asn; fel. Soc. Appl. Anthropol; fel. Sociol. Asn; Mid. East Inst; Pub. Health Asn. Cultural anthropology; Middle East and African studies; problems of change; evaluation of health attitude and practice research data collected in Ethiopia; applied research on health attitudes in the inner city. Publ: Group therapy and social status in the Zar cult of Ethiopia, In: Culture and mental health, Macmillan, 59; Application of health questionnaire to pre-urban communities in a developing country, Human Orgn, winter 65; Health practices in Ethiopia, J. Health & Human Behav, winter 66. Address: 45-25 Kissena Blvd, Flushing, N.Y. 11355.

MESSENGER, DR. HARLEY B(RYCE), b. Providence, R.I, Nov. 29, 24; m. 49; c. 5. BIOSTATISTICS. A.B. Brown, 46; M.D. Cornell, 48; M.A. California, 57, Ph.D.(biostatist), 60. Lectr. prev. med. & biomet, med. sch, California, 57-60; CONSULT. MED. STATIST, 60- Clin. prof. pub. health, sch. pub.

health, California, 68- U.S.N.R, 42-54, Lt. AAAS; Pub. Health Asn; Biomet. Soc; Statist. Asn; Med. Writers' Asn; Asn. Comput. Mach. Social area analysis for public health; medical diagnosis; factor and cluster analysis applications in medicine and public health. Address: 3029 Benvenue Ave, Berkeley, Calif. 94705.

MESSENGER, SHELDON L(EOPOLD), b. Chicago, Ill, Aug. 28, 25; m. 47; c. 2. SOCIOLOGY. Ph.B. Chicago, 47; A.B. California, Los Angeles, 51, M.A. 53, Soc. Sci. Res. Coun. fel, 54-55; fel, Center Adv. Study Behav. Sci, 56-57. Instr. sociol, Princeton, 56; res. sociologist, Bay Area health study, State Dept. Ment. Hyg, Calif, 57-61; V.CHMN, CENTER STUDY LAW & SOC, CALIFORNIA, BERKELEY, 61- Consult, President's Cmn. Law Enforcement & Admin. of Justice, 66. U.S.A, 43-46. Sociol. Asn; Soc. Study Social Probs; Law & Soc. Asn. Organizational analysis; sociology of law; criminology. Publ: Co-auth, Schizophrenic women, Atherton, 64; C-unit: a search for community in prison, Russell Sage, 68; auth, Organizational transformation: a case study of a declining social movement, Am. Sociol. Rev. Address: Center for the Study of Law & Society, University of California, Berkeley, Calif. 94720.

MESSNER, DR. STEPHEN DALE, b. Elkhart, Ind, Oct. 6, 36; m. 58; c. 2. URBAN & REGIONAL ECONOMICS. B.S. Indiana, 61, M.B.A. 62, D.B.A. (appl. urban econ), 66. Faculty res. assoc. appl. urban econ, Indiana, 65-66; ASST. PROF. FINANCE & REAL ESTATE, CONNECTICUT, 66-, ASST. DIR. CENTER REAL ESTATE & URBAN ECON. STUDIES, 67- Summer fel, inst. appl. urban econ, Indiana, 66. U.S.A.F, 54-58. Econ. Asn; Finance Asn; Real Estate & Urban Econ. Asn; Regional Sci. Asn. Finance; urban land economics and space allocation; public capital budgeting; real estate valuation; urban renewal and redevelopment; housing demand and supply. Publ: A benefit-cost analysis of urban redevelopment, Bur. Bus. Res, Indiana Univ, 67; Minority groups and housing: a selected bibliography, 1950-67, Center for Real Estate & Urban Econ. Studies, Univ. Connecticut, 68. Address: Dept. of Finance & Real Estate, School of Business Administration, University of Connecticut, Storrs, Conn. 06268.

MESTENHAUSER, DR. JOSEF A, b. Vrchlaby, Czech, June 23, 25; U.S. citizen; m. 51; c. 3. POLITICAL SCIENCE, EDUCATION. Charles Univ, Prague, 45-48; B.A. East. Wash. State Col, 50; fel, Minnesota, Minneapolis, 51-53, M.A. 52, Ph.D.(polit. sci), 60. Student personnel worker, MINNESOTA, MINNEAPOLIS, 53-57, acting for. student adv, 57-58, ASST. DIR. OFF. ADV. FOR. STUDENTS, 58-, ASSOC. PROF, 66-, asst. prof, 60-66. Fulbright-Hays adv. res. grant & vis. prof, Philippines, 66-67. Summers, Am. specialist, U.S. Consulate Gen, Hong Kong, 63, Fulbright-Hays lectr. & consult, U.S. Ed. Found, Korea & Philippines, 63. Consult, Inst. Int. Ed, 61-; Asia Found, Manila, 66-67. Polit. Sci. Asn; Nat. Asn. For. Student Affairs. International education; cross-cultural variables of leadership in conditions of changing societies, especially Philippines and Ceylon. Publ: Ed. Research in programs for foreign students—report of the Waldenwoods Seminar, Nat. Asn. For. Student Affairs & Danforth Found, 61; auth, Foreign students in the Soviet Union and East European countries, In: Governmental policy and international education, Wiley, 66; Practical training—a Pandora's box, Nat. Asn. For. Student Affairs Newsletter, 5/65. Address: Office of Advisor to Foreign Students, University of Minnesota, 717 E. River Rd, Minneapolis, Minn. 55455.

MESTHENE, DR. EMMANUEL G(EOGE), Philos, see 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

METCALF, JOHN E(EDWARD), b. Foochow, China, June 4, 25; U.S. citizen; m. 52; c. 3. INTERNATIONAL ECONOMICS. Cert, Oxford, 48; B.A. Oberlin Col, 50; M.A. Columbia, 51; Ford Found. fel, Philippines, 54-55. Economist & regional specialist southeast Asia, Far East Div, For. Agr. Serv, 51-53; ECONOMIST, FIRST NAT. CITY BANK NEW YORK, 55- U.S.A. 43-46. Econ. Asn; Asn. Asian Studies; Mid. East Inst; Asn. Bus. Econ. Southeast Asia regional economics; economic development planning; agricultural economics. Publ: Japan today, First Nat. City Bank New York, 64 & U.S.-Japan Trade Coun, 65; Morocco—an economic study, First Nat. City Bank, 67; Agricultural economy of Indonesia. Address: 166 Locust St, Garden City, N.Y. 11530.

METCALF, PROF. JOHN T(RUMBULL), b. New Haven, Conn, Mar. 21, 89; m. 23; c. 3. PSYCHOLOGY. A.B. Yale, 10, A.M. 11, Ph.D.(psychol), 13; Berlin & Munich, 13-14. Instr. psychol, Princeton, 14-16; Smith Col, 16-18, asst. prof, 18-19; psychologist, dept. pub. welfare, State Div. Criminol, Ill, 19-20; asst. prof. PSYCHOL, George Washington, 20-21; assoc. prof, VERMONT, 21-37, prof. & chmn. dept, 37-54, EMER. PROF, 54- Instr, Hartford, 54-59, adj. prof, 60-66; vis. prof, Ripon Col, 59-60. Adv. ment. testing, Vt. Children's Aid Soc, 22-38. Sanit.C, 17-19, Lt. Fel. Psychol. Asn; Soc. Aesthetics. History of psychology. Publ: Experimental study of the conscious attitudes of certainty and uncertainty, Psychol. Monogr; Pleasantness of brightness combinations, Am. J. Psychol; Psychology in the encyclopedias, Contemporary Psychol, 4/59. Address: 91 Harrison St, New Britain, Conn. 06052.

METCALF, PROF. LAWRENCE E(UGENE), b. Dennison, Ohio, Sept. 30, 15. SOCIAL SCIENCE. B.S.Ed, Ohio State, 40, A.M. 45, Ph.D. 48. Asst. ed, Ohio State, 44-46; instr. basic econ. probs, Goddard Col, 46-47; asst. prof. curriculum & eval, Georgia, 47-49; soc. studies, ILLINOIS, URBANA, 49-54, assoc. prof, 54-61, PROF. ED, 61- Theory of conceptual learning; methods of teaching social studies; curriculum problems and trends in the social studies. Publ: Co-auth, Teaching high school social studies, Harper, 55, 2nd ed, 68; Secondary education: a textbook of readings, Allyn & Bacon, 66. Address: 388 Education Bldg, University of Illinois, Urbana, Ill. 61801.

METCALF, DR. V(IRGIL), ALONZO, b. Branch, Ark, Jan. 4, 36; m. 58; c. 2. AGRICULTURAL ECONOMICS. B.S.A. Arkansas, 58, M.S. 60; Fulbright scholar, & M.A. Copenhagen, 60; Ph.D.(agr. econ), Missouri, 64. Instr. agr. econ, MISSOURI, COLUMBIA, 60-64, asst. prof, 64-65, ASSOC. PROF. AGR. ECON, 65-, ASST. TO CHANCELLOR, 64-, coordinator, Peace Corps training proj, 65-67. Ford Found. consult, Bogota, Colombia, 66- Mem. Mid-

Am. State Univ. Assn. Int. Officers Group, 65-; regional adv. cmt. Inst. Int. Ed. 66-; Mo. team, Partners of the Alliance, 66- U.S.A.R. 56-66. Agr. Econ. Assn; Int. Assn. Agr. Econ; Econ. Assn. International programs and studies; international development in the fields of agriculture and monetary policies; consumer economics; marketing of cotton; cooperatives, especially functions, organization and economic importance. Publ: Co-auth, Workbook and syllabus for agricultural economics, Lucas Bros, 61; auth, Assembling, storing, and ginning cotton in the Mississippi Delta, South. Coop. Series Bull, 65; Consumer credit—a commodity, do you shop for credit?, Exten. Circular, Mo. Agr. Exp. Sta, 63. Address: University of Missouri, 305 Jesse Hall, Columbia, Mo. 65201.

METFESSEL, PROF. MILTON, b. Waterloo, Ont, Sept. 26, 01; m. 22; c. 2. PSYCHOLOGY. A.B. Iowa State Teachers Col, 21; fel. Iowa, 23-25, A.M., 24, Ph.D.(psychol), 25. Nat. Res. Coun. fel. psychol. Iowa, 25-28, assoc. prof. psychol. & speech, 28-29; prof. PSYCHOL, SOUTHERN CALIFORNIA, 29-67, chmn. dept, 30-38, chmn. div. soc. studies, 37-48, EMER. PROF, 67- U.S.A.A.F., 42-45, Lt. Col. Fel. AAAS; fel. Psychol. Assn; Int. Soc. Exp. Phonetics, Brit. Vocal behavior; learning; psychology of music and speech; field theory; communications. Address: Dept. of Psychology, University of Southern California, Los Angeles, Calif. 90007.

METFESSEL, PROF. NEWTON S(TONE), b. Iowa City, Iowa, Dec. 2, 26; m. 53; c. 3. EDUCATIONAL PSYCHOLOGY. B.A. Southern California, 49, M.S. 52, Ph.D.(ed. psychol), 55. Lectr. psychol, SOUTHERN CALIFORNIA, 54-56, asst. prof. ED. PSYCHOL, 56-58, assoc. prof, 58-64, PROF. & DIR. PROJ. POTENTIAL, 64- Lectr, Whittier Col, 54-56. Psychol. consult, John Tracy Clin, Los Angeles, Calif, 57-61; div. res. & guid, Los Angeles County Supt. Schs. Off, 57-; div. res. serv, Riverside County Supt. Schs. Off, 61- U.S.A.A.F., 45-47, Sgt. Psychol. Assn; Ed. Res. Assn; Personnel & Guid. Assn; Nat. Coun. Measurement in Ed. Development of individual and group tests of creativity. Publ: Co-auth, School psychological services, Prentice-Hall, 67; A paradigm for the evaluation of school programs, J. Ed. & Psychol. Measurement, 67; The individual test of creativity, Proj. Potential, 67. Address: Dept. of Educational Psychology, University of Southern California, Los Angeles, Calif. 90007.

METOUR, DR. GILDAS EUGENE, b. Blue Canyon, Calif, Oct. 12, 12; m. 42; c. 2. PSYCHOLOGY. Ph.D. Pittsburgh, 38. Asst. prof, Butler, 37-41; Miami (Fla), 41-42, 45; Vet. Admin. chief voc. adv, San Francisco State Col, 45-46; chief clin. psychol, Vet. Admin. Ment. Hyg. Clin, Indianapolis, Ind, 50-51; Vet. Admin. Hosp, Tucson, Ariz, 51-55, supv. clin. psychologist, Sepulveda, Calif, 55-61; PRACTICING PSYCHOLOGIST, 61-; STAFF PSYCHOLOGIST, FED. CORRECTIONAL INST, TERMINAL ISLAND, 68-; Camarillo State Hosp, 63-68. U.S.N.R., 42-45, Lt. Comdr. Psychol. Assn. Effectiveness of therapy; interpersonal relationships among neurotics and psychotics; personality structure and learning. Address: 4741 Libbit, Apt. 21, Encino, Calif. 91316.

METRAUX, DR. ALFRED, Anthrop, see 10th ed, Soc. & Behav. Vols, deceased 63.

METRAUX, DR. RHODA, b. Brooklyn, N.Y., Oct. 18, 14; div; c. 1. CULTURAL ANTHROPOLOGY. B.A. Vassar Col, 34; Yale, 40-41; Ph.D.(anthrop), Columbia, 51. Asst. cmt. food habits, Nat. Res. Coun, 42-43; mem. planning staff, Off. Strategic Serv, D.C., 43-45; from mem. staff to asst. dir. res. contemporary cultures, Columbia, 47-51; dir. res. studies contemporary cultures, Am. Mus. Natural Hist, 51-53; Soc. Sci. Res. Coun. area res. travel grant, 53-54; res. fel. human ecol. & health, N.Y. Hosp. med. col, Cornell, 54-57; Inst. Intercultural Studies, 57-60; assoc. dir. studies allpsych orientation, AM. MUS. NATURAL HIST, 60-64, PROJ. DIR. CULTURAL STRUCT. PERCEPTUAL COMMUN, 65- Lectr, Postgrad. Center Psychother, 59-; mem, Columbia Univ. Seminars. Field res, Haiti, 41, 46, 48-49, Mex, 43, Montserrat, W.I., 53-54, 68; Iatmul, New Guinea, 67-68. Fel. AAAS; fel. Anthropol. Assn; Ethnol. Soc; Soc. Appl. Anthropol; fel. N.Y. Acad. Sci. Contemporary cultures of France, Germany, China and United States; cultures of Caribbean area and New Guinea: education. Address: 211 Central Park W, New York, N.Y. 10024.

METTLER, DR. JOHN C(HARLES), b. Evans City, Pa, Apr. 16, 16; m. 41; c. 1. ECONOMICS, BUSINESS ADMINISTRATION. A.B. Washburn Col, 38; M.A. Rutgers, 39; univ. fel, Clark, 50-52, Ph.D.(econ), 59. Asst. prof. BUS. ADMIN, THE CITADEL, 42-49, assoc. prof, 59-63, PROF, 63- Found. Econ. Ed. fel, 51; fel, Wabash Conf, 55; mem. faculty, C.W. Post Col. Summer Inst, Long Island, 61. Econ. Assn; Mkt. Assn. Government finance; government control of industry; marketing management. Address: Dept. of Business Administration, The Citadel, Charleston, S.C. 29409.

METZ, DR. A. STAFFORD, b. Huntington, N.Y., July 2, 25; m. 53; c. 1. SOCIOLOGY. B.A. Swarthmore Col, 50; M.A. Tufts, 53; Ph.D.(sociol), Pennsylvania, 61. Instr. sociol, Pennsylvania, 55-58, res. assoc. family reles, div. family study, 58-61; soc. sci. analyst, soc. studies br, div. dent. health, U.S. Pub. Health Serv, 62-65, pub. health analyst, resource anal. br, 65-68; STATISTICIAN, NAT. CENTER ED. STATIST, U.S. OFF. ED, 68- U.S.N.A.F., 43-45. Sociol. Assn. Marital interpersonal behavior; public attitudes toward fluoridation; occupational choice. Publ: Comparison of techniques for coding marital interpersonal behavior, J. Soc. Psychol, 65; Determinants of attitude toward fluoridation, Soc. Forces, 66. Address: 4716 Bradley Blvd. 310, Chevy Chase, Md. 20015.

METZ, DR. WERNER A(DAM), b. Ludwigschafen, Germany, Oct. 27, 24; nat; m. 47; c. 3. PSYCHOLOGY. A.B. Southern California, 49, M.A., 51; Nat. Inst. Ment. Health fel. & Ph.D. Fla. State, 61. Psychologist, Ga. Bd. Ed, 51-59; DIR. PUPIL PERSONNEL SERV, FLA. BD. ED, 61- U.S.N. 44-46. Psychol. Assn; Personnel & Guid. Assn. Interrelationship of creativity and anxiety; use of the group Rorschach to determine personality patterns; normative data for children on the Rorschach. Address: Board of Education, P.O. Box 5, Titusville, Fla. 32780.

METZGER, DR. FRANK, b. Mainz, Germany, Feb. 27, 29; nat; m. 52; c. 2. PSYCHOLOGY. B.S. State Univ. N.Y. Teachers Col.(Oswego), 51; scholar,

Carnegie Inst. Tech, 51-54, M.S., 53, Ph.D.(psychol), 54. Asst. to dir. safety, Crucible Steel Co. of Am, 53-54; res. psychologist, Signal Corps Training Agency, U.S. Dept. Army, 55-56; prnl. personnel specialist small aircraft engine dept, Gen. Elec. Co, 56-58; mgr. selection & develop. serv, Raytheon Corp, 58-59; manpower admin, INT. TEL. & TEL. CORP, 59-63, dir. personnel planning & develop, 63-67, ASST. DIR. PERSONNEL, 67- Psychol. Assn. Personnel management; manpower planning and control; management development; individual assessment; vocational counseling. Publ: Co-auth, Evaluation of paper and pencil simulators for training in trouble-shooting electronic equipment. Address: 52 Highridge Rd, New Rochelle, N.Y. 10804.

METZGER, PROF. HOMER B(ASTIAN), b. Logantown, Pa, Sept. 3, 17; m. 44; c. 1. AGRICULTURAL ECONOMICS. B.S. Pa. State, 39, M.S., 48, Ph.D., 50. Instr, high sch, 39-41; asst. agr. econ, Pa. State, 46-47, instr, 48; assoc. prof. AGR. ECON. & assoc. agr. economist, MAINE, 50-55, PROF, 56-, HEAD DEPT. AGR. BUS. & ECON, 64- Fulbright lectr, Wageningen, 60-61. U.S.N.R., 42-46, Lt. Comdr. Agr. Econ. Assn. Economics of milk production and marketing; farm management; transportation; demand; supply; pricing of milk. Publ: Loose versus conventional housing of milk cows: an economic analysis; co-auth, Reducing the frequency of home delivery of milk, 65 & auth, Alternative systems for feeding Maine dairy cows, 66, Maine Agr. Exp. Sta. Address: Dept. of Agricultural Business & Economics, University of Maine, Orono, Maine 04473.

METZGER, DR. PAUL L(YMAN), b. Wenatchee, Wash, Sept. 19, 24; m. 50; c. 3. PSYCHOLOGY. B.S. Lewis & Clark Col, 50; M.S. Oregon, 53, Ph.D., 58. Asst. HumRRO, Ft. Ord, Calif, 53-54; Counseling psychologist, Vet. Admin. Hosp, 58-62; DIR. INTERFAITH COUNSELING CENTER, 62-; ASSOC. PROF. PSYCHOL. LEWIS & CLARK COL, 64- U.S.A.A.F. 42-45, 2nd Lt. Psychol. Assn. Vocational interest development; educational and vocational counseling; rehabilitation of neuropsychiatric patients; hypnosis in classroom teaching. Publ: Vocational interest similarity between fathers and sons; Re-evaluation of Drakes's accident proneness hypothesis. Address: 4489 S.W. Fairview Circus, Portland, Ore. 97221.

METZGER, DR. ROLLAND, b. Chicago, Ill, June 14, 22. PSYCHOLOGY. S.B. Chicago, 46; M.A. Northwestern, 55, Ph.D., 57. PSYCHOLOGIST, DIXON STATE SCH, 57- Lectr, Rockford Eve. Col, 59- Psychol. Assn; Statist. Assn; Speech & Hearing Assn; Assn. Ment. Deficiency. Learning; mental deficiency. Publ: Effect of reinforcement magnitude and of order of presentation of different magnitudes on runway behavior, J. Comp. Physiol. Psychol; Comparison between rote learning and concept formation, J. Exp. Psychol. Address: Dixon State School, 2600 Brinton Ave, Dixon, Ill. 61021.

METZLER, PROF. LLOYD A(PPLETON), b. Lost Springs, Kans, Apr. 3, 13. ECONOMICS. B.S. Kansas, 35, M.B.A., 38; M.A. Harvard, 41, Ph.D.(econ), 42. Instr. econ, Kansas, 35-37; instr. & tutor, Harvard, 37-42; economist, Off. Strategic Serv, D.C., 43-44; bd. gov. Fed. Reserve Syst, 44-46; asst. prof. ECON, Yale, 46-47; assoc. prof, CHICAGO, 47-49, PROF, 49- Guggenheim Found. fel, 42-43; U.S. Info. Serv. lectr, Univs. Stockholm, Uppsala, Copenhagen & Oslo, 51-52. Consult, cong. cmt. post-war policy & planning, House of Rep, D.C., 45; finance div, Off. Mil. Govt, 46; U.S. Dept. State, 50-53; U.S. Secy. Treas, 60-66. Am. Econ. Assn; Am. Finance Assn; fel. Economet. Soc; Royal Econ. Soc. International economics; economic theory; business cycles. Publ: Co-ed, Readings in the theory of international trade. Address: Dept. of Economics, University of Chicago, Chicago, Ill. 60637.

METZNER, PROF. CHARLES A(LFRED), b. Milwaukee, Wis, Mar. 17, 13; m. 48; c. 1. SOCIAL PSYCHOLOGY. B.A. Wisconsin, 37, M.A., 38, Ph.D. (psychol), 42. Asst. psychologist, U.S. Bur. Census, 42-43, statistician, 44-46; instr. psychol, George Washington, 43-44; study dir, surv. res. center, MICHIGAN, 46-51, res. assoc, bur. pub. health econ, SCH. PUB. HEALTH, 51-53, assoc. prof. pub. health econ, 53-62, PROF. MED. CARE ORGN, 62- AAAS; Pub. Health Assn; Psychol. Assn; Statist. Assn; Psychomet. Soc. Survey research methodology; designs appropriate to research on social problems; modes of provision of health services. Publ: Co-auth, Institutional care for the long-term patient & Personal response and social organization in a health campaign; co-auth, Factors associated with choice of health care plans, J. Health & Soc. Behav, 12/67. Address: School of Public Health, University of Michigan, Ann Arbor, Mich. 48104.

METZNER, DR. NORMA R(ICH), b. New York, N.Y., Aug. 6, 19; div; c. 1. PSYCHOLOGY. B.A. Wisconsin, 40; fel. George Washington, 49-52, Ph.D. (psychol), 52. Asst. training specialist, U.S. War Dept, 43-44, personnel res. analyst, 44; occup. res. analyst, U.S. Dept. Labor, 45-47; res. psychologist, U.S. Dept. Navy, 47-49; assoc. col. gen. studies, George Washington, 51-52; res. assoc, proj. B. Am. Psychol. Assn, 52-55; lectr, Howard, 55, asst. prof. psychol, 55-61; sr. res. psychologist, Am. Psychol. Assn, 62-63; assoc. dir. res, Wash. Action for Youth, UNITED PLANNING ORGN, 63-64, prog. analyst, 64-65, SR. MGT. INFO. SPECIALIST, 65- Consult, Am. Coun. Ed, 51-52. Psychol. Assn. Management; training. Publ: Some suggestions for interviewing scientists and engineers for employment in the federal service; co-auth, Utilization of psychological techniques in the United States. Address: 3412 Prospect St. N.W., Washington, D.C. 20007.

METZNER, DR. RALPH G.H., b. Berlin, Germany, May 18, 36. PSYCHOLOGY. B.A. Oxford, 58; Ph.D.(clin. psychol), Harvard, 62. Fel. psychopharmacol, Harvard Med. Sch, 63; res. dir, Castalia Found, 63-66; STAFF PSYCHOLOGIST, KAISER FOUND. HOSP, 68- Ed, Psychedelic Rev, 62- Psychedelic drugs; consciousness and methods of its alteration. Publ: Co-auth, The psychedelic experience, Univ. Books, 64; ed, The ecstatic adventure, Macmillan, 68. Address: Kaiser Foundation Hospital, Hayward, Calif. 94541.

METZNER, DR. SEYMOUR, b. New York, N.Y., Oct. 29, 24. EDUCATIONAL SOCIOLOGY. B.S. Ed, Fordham, 49; Ed.M. Tufts, 50; Ed.D. Miami (Fla), 65. ASST. PROF. ED, Boston, 64-67; CITY UNIV. NEW YORK, 67- Planning consult. Ford Found. Two Bridges Model Sch. Dist. proj, 67-68; test consult, New York City Bd. Exam, 68- Ed. Res. Assn. Teacher characteristics

and behavior; problems of urban education. Publ: American history in juvenile books, Wilson, 66; One-minute game guide, Fearon, 68; co-auth, Effect of tutoring and practice teaching on self concept and attitude in education students, J. Teacher Ed, 68. Address: City University of New York, 33 W. 42nd St, New York, N.Y. 10036.

MEUX, DR. MILTON OTTO, b. Kalamazoo, Mich, Dec. 29, 30; m. 57; c. 2. EDUCATIONAL PSYCHOLOGY, PSYCHOLOGY. B.A., Kalamazoo Col, 53; Ph.D.(psychol), Illinois, 60. Res. assoc. ed, Illinois, 58-60, res. asst. prof, 60-65; ASSOC. PROF. ED. PSYCHOL, UTAH, 65- Ed. Res. Asn; Psychol. Asn; Soc. Psychol. Study Social Issues. Analysis of logical and strategic aspects of teaching; development and investigation of value model as a focus for instructional units on controversial issues; problems of general methodology in educational research. Publ: Co-auth, Evaluative teaching strategies in the social studies, Bur. Ed. Res, Univ. Utah, 67; Rule-guided behavior and strategies in teaching, Bur. Ed. Res, Univ. Illinois, 67; auth, Studies of learning in the school setting, Rev. Ed. Res, 12/67. Address: 1540 Michigan Ave, Salt Lake City, Utah 84105.

MEYER, DR. ALAN SAMUEL, b. St. Louis, Mo, Nov. 24, 21; m. 57; c. 2. SOCIOLOGY. B.S.S., City Col. New York, 47; M.A., Columbia, 51, Ph.D.(sociol), 62. Res. assoc. community rels, community serv. div, City Col. New York, 50-51; res. asst. surv. res, bur. appl. soc. res, Columbia, 51-54; res. assoc. pub. health, sch. hyg. & pub. health, Hopkins, 54-55; instr. sociol, City Col. New York, 55-56; res. dir. juvenile delinquency, State N.J. Youth Study Cmn, 56-61; res. assoc. inst. welfare res, Community Serv. Soc, 61; coord. addiction center & asst. prof. med. sociol, dept. psychiat, N.Y. Med. Col, 61-65; DIR. SOCIO-MED. RES, BURKE REHAB. CENTER, 65- Consult, Stamford Community Cmn, Conn, 67; Narcotics Addiction Demonstration Center, Stamford. Sig.C., U.S.A., 43-46. Sociol. Soc; Geront. Soc. Comparative studies of narcotics addiction, alcoholism, and other deviant behavior; characteristics of deviants in relationship to community attitudes and policies and scientific classifications; chronic illness; rehabilitation; aging. Publ: Ed, Social and psychological factors in opiate addiction, Bur. Appl. Soc. Res, Columbia, 52; auth, The independent voter, In: Public opinion and congressional elections, Macmillan, 62; co-auth, An approach to treating narcotic addicts based on a community mental health diagnosis, Comprehensive Psychiat, 4/65. Address: Socio-Medical Research, Burke Rehabilitation Center, White Plains, N.Y. 10605.

MEYER, PROF. ALFRED G(EOGE), b. Germany, Feb. 5, 20; nat; m. 46; c. 2. POLITICAL SCIENCE. M.A., Harvard, 46, Ph.D.(polit. sci), 50. Res. fel. & asst. dir. Russian res. center, Harvard, 50-53; acting asst. prof. polit. sci. & hist, Washington (Seattle), 53-55; dir. Res. Prog. on Hist. of Communist Party of Soviet Union, Columbia, 55-57; assoc. prof. POLIT. SCI, Mich. State, 57-60; PROF, 60-66; MICHIGAN, 66- U.S.A. 41-45. Polit. Sci. Asn; Soc. Polit. & Legal Philos. Soviet history, politics and ideology; political philosophy; comparative political systems. Publ: Leninism, Harvard, 57; Communism, 60 & The Soviet political system, 66, Random. Address: 4081 E. Huron River Dr, Ann Arbor, Mich. 48104.

MEYER, PROF. ALFRED H(ERMAN) L(UDWIG), b. Venedy, Ill, Feb. 27, 93; m. 26; c. 1. SOCIAL & POLITICAL GEOGRAPHY. A.B., Illinois, 21, A.M., 23; Ph.D.(geog), Michigan, 34. From instr. to prof. geog. & geol. & head dept, VALPARAISO, 26-67; DISTINGUISHED SERV. PROF. GEOG, 67- Summer guest lectr, various univs. Pres, City Plan Cmn, Valparaiso, Ind, 48-50. Distinguished serv. award, Chicago Geog. Soc, 58-59. U.S.A., 18-19. Fel. AAAS; Nat. Coun. Geog. Ed.(pres, 47); Asn. Am. Geog. Sociol, political, historical, systematic, educational and regional geography; geography of world affairs. Publ: Co-auth, Geography in world society, Lippincott, 63; auth, Circulation and settlement patterns of the Calumet-South Chicago region (four-stage perspective), Int. Geog. Union, Nat. Res. Coun, 57; An inductive conceptual approach to college geography, J. Geog, 12/67. Address: Dept. of Geology & Geography, Valparaiso University, Valparaiso, Ind. 46383.

MEYER, DR. B(ILL) T(HOMAS), b. Omaha, Nebr, Aug. 24, 24; m. 51; c. 3. PSYCHOLOGY. B.A., Omaha, 48; M.S., Washington State, 50; Ph.D.(psychol), Nebraska, 53. Counsr, Washington State, 48-50; psychologist, Fergus Falls State Hosp, Minn, 50-51; counsr, Nebraska, 51-53; PSYCHOLOGIST, ROHRER, HIBLER & REPLEGLE, 53- U.S.A.A.F., 42-46, 1st Lt. Psychol. Asn. Projective tests; child development; psychology of normal individuals. Publ: Investigation of development change; Behavior rating scale & Investigation of color shock, J. Clin. Psychol. Address: 300J Waters Bldg, Grand Rapids, Mich. 49502.

MEYER, PROF. CHARLES W, b. Joliet, Ill, Mar. 15, 32; m. 64; c. 1. ECONOMICS. B.A., Illinois, 54, M.A., 55; Ph.D.(polit. econ), Hopkins, 61. Res. aid ECON, Princeton, 60-61; asst. prof, IOWA STATE, 61-64, assoc. prof, 64-67, PROF, 67- U.S.A. 55-58, 1st Lt. Econ. Asn; Nat. Tax Asn. Public finance; economics of public utilities; water resources; rural poverty. Publ: Geographical inequalities in property taxes in Iowa, Nat. Tax J., 12/55; Urban growth patterns and the cost of local telephone service, 8/62 & Marginal cost pricing of local telephone service, 8/66, Land Econ. Address: Dept. of Economics, Iowa State University, Ames, Iowa 50010.

MEYER, DR. DONALD EARL, b. La Salle, Colo, Mar. 26, 24; m. 48; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. Colo. State Col, 49, M.A., 50; Ed.D., Arizona State, 63. Training supvr, air training command, U.S. AIR FORCE, 50-53, asst. dir. training anal. & develop, 53-57, dir, 57-63, res. psychologist, BEHAV. SCI. LAB, 63-64, CHIEF OPERATOR TRAINING RES. BR, 64- Consult. & mem, Air Training Command Adv. Bd, 67-68; chmn, Aviation Studies & Training Appln. Cmt, 64- U.S.A.F., 43-45. Psychol. Asn. Educational psychology as applied to teaching machines and programmed instruction; psychological aspects of flight instruction and simulated flight. Publ: Adjunct to self study for aircrew refresher training under operational conditions, 3/65, A comparison of response confirmation techniques for an adjunctive program, 6/66 & co-auth, Research data and information relevant to pilot training, 7/66; U.S. Air Force Tech. Report. Address: 2010 Regent Park Dr, Bellbrook, Ohio 45305.

MEYER, DR. DONALD L, b. St. Paul, Minn, Nov. 12, 32; m. 58; c. 3. EDUCATION, STATISTICS. B.S., Minnesota, 54, M.A., 58, Ph.D.(statist), 61. ASSOC. PROF. STATISTICS, SYRACUSE, 60- Statist. Asn; Ed. Res. Asn. Design of experiments and inference procedures. Publ: Bayesian school superintendent, Am. Ed. Res. J., 64; Educational statistics, Library Ed, 67. Address: Dept. Psychology & Education, 302 Huntington Hall, Syracuse University, Syracuse, N.Y. 13210.

MEYER, PROF. DONALD R(AY), Psychophysiol, see 11th ed, Phys. & Biol. Vols.

MEYER, DR. GEORGE, b. San Francisco, Calif, Nov. 24, 06. PSYCHOLOGY. A.B., California, 27, M.A., 28; Stanford, 29-30; Ph.D.(psychol), Michigan, 34. Instr. psychol, Michigan, 30-39, asst. prof, 39-44; sch. psychologist, San Jose Unified Sch. Dist, 45-55; chmn. dept. philos, psychol. & ed, SAN JOSE CITY COL, 55-57, INSTR. PSYCHOL. & COUNSR, 57- Psychologist, Vet. Counseling Serv, 46-49; dir, Kittredge Sch, 51- Fel. Psychol. Asn. Tests and measurements; learning and memory. Address: Kittredge School, 2355 Lake, San Francisco, Calif. 94121.

MEYER, DR. GEORGE G(OTTHOLD), b. Frankfurt, Germany, Nov. 13, 31; U.S. citizen; m. 53; c. 3. PSYCHIATRY. B.A., Hopkins, 51; M.D., Chicago, 55. Hosp. attend, Crownsville State Hosp, Md, 48; Hastings State Hosp, Ingle-side, Nebr, 51-52; res. asst, Fels Res. Inst, Antioch Col, 54; intern, U.S. Pub. Health Serv. Hosp, Staten Island, N.Y., 55-56, med. officer in charge, Cass Lake, Minn, 57-58; med. officer, Sioux Sanitarium, Rapid City, S.Dak, 56-57; resident PSYCHIAT, CHICAGO, 58-60, chief resident, 60-61, instr, 61-62, ASST. PROF, 62-, CHIEF INPATIENT PSYCHIAT. SERV, HOSPS. & CLINS, 66-, assoc. chief, 62-66. Nat. Inst. Ment. Health career teacher grant, 61-63; vis. lectr, dept. psychiat, Univ. Edinburgh, 66. Consult, Inst. Juvenile Res, 61; Chicago Lighthouse for Blind, 61-; Peace Corps, 62-; Ill. State Psychiat. Inst, 62- Pub. Defender of Cook County, 65. U.S.P.H.S., 55-58, Res, 66-, Surg. Psychiat. Asn; Orthopsychiat. Asn; Group Psychother. Asn; Asn. Am. Med. Cols; Soc. Adolescent Psychiat. Social psychiatry; group therapy; milieu therapy; rehabilitation; hospital treatment; religion and psychiatry; psychiatric education. Publ: Co-auth, The patient-staff meeting: a technique for encouraging communication in the psychiatric hospital, Psychiatry, 26: 19-25; 63; On the diagnostic value of religious ideation, 13: 202-207, 65 & Suicidal precautions: dilemma in the therapeutic community, 13: 224-231, 65, Arch. Gen. Psychiat. Address: Dept. of Psychiatry, University of Chicago, 950 E. 59th St, Chicago, Ill. 60637.

MEYER, PROF. GERHARD E(MIL) O(TTO), b. Altenbruch, Germany, Jan. 16, 03; nat, m. 33; c. 3. ECONOMICS. Dr. sc. pol, Kiel, 37. Instr. ECON, COL, CHICAGO, 37-42, asst. prof, 42-46, assoc. prof, 46-65, PROF, 65- Econ. Asn. Economic theory; business cycles; planning; economy and society. Address: Collegiate Division of the Social Sciences, University of Chicago, 5811 S. Ellis Ave, Chicago, Ill. 60637.

MEYER, DR. GLADYS (MRS. THEODORE P. WOLFE), b. Maplewood, N.J., Aug. 14, 08; m. 45; c. 1. SOCIOLOGY. B.A., Wellesley Col, 30; German-Am. exchange fel, Frankfurt, 30-32; Gilder fel, Columbia, 32-33, Ph.D. (sociol), 41. Indust. secy, YWCA, 33-36; asst. labor ed, Nat. Youth Admin, D.C., 36; instr. econ. & sociol, Vassar Col, 37-40; from instr. to asst. prof, N.Y. Sch. Soc. Work, COLUMBIA, 40-46, from asst. prof. to ASSOC. PROF. SOCIOL, BARNARD COL, 48- Res. assoc, White House Conf. on Children, 40; U.S. Children's Bur, 43. Consult, intergroup rels, United Parents Asn. New York, 57-58. Fel. Sociol. Asn; Acad. Polit. & Soc. Sci. Labor; minorities; international and community development. Publ: Free trade in ideas, Parent action in school intergration; co-auth, Minorities in American society. Address: Dept. of Sociology, Barnard College, Columbia University, New York, N.Y. 10027.

MEYER, PROF. HAROLD D(EDRICH), b. Augusta, Ga, Nov. 20, 92. SOCIOLOGY. A.B., Georgia, 12, A.M., 16; Columbia, 25-26; LL.D., Fla. South. Col, 41; D.R.S., Salem Col, 48; L.H.D., Catawba Col, 54. Prof. hist, Ga. State Norm. Sch, 16-18, SOCIOL, 19-21; assoc. prof, NORTH CAROLINA, CHAPEL HILL, 21-26, PROF, 26-, CHIEF BUR. RECREATION, EXTEN. DIV, 25-, CHMN. RECREATION LEADERSHIP CURRICULUM, 35- Mem. faculty, Georgia, 18-21; dir. region seven, div. ed. & recreation, Works Progress Admin, 34-37. Consult, nat. defense recreation proj, U.S. Off. Ed, 41; pres, State Recreation Cmn, N.C., 50- Ed, Extra Curriculum Library. Mem. Nat. Cmt. Aging. U.S. rep, Int. Recreation Conf, UN, Geneva, 49. U.S.A., 18, Lt. Sociol. Asn. Rural playground; town studies; play and classroom work. Publ: Recreation administration; Recreation, text and readings; State recreation. Address: Dept. of Sociology & Anthropology, University of North Carolina, Chapel Hill, N.C., 27515.

MEYER, PROF. HENRY CORD, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MEYER, DR. HENRY D(EITRICH), b. Pasadena, Calif, Sept. 18, 15; m. 39; c. 5. PSYCHOLOGY. A.B., California, Los Angeles, 39, Ph.D., 46. Asst. psychol, California, Los Angeles, 41-43; jr. indust. engr, Interstate Aircraft & Eng, 43-44; res. psychologist, nat. defense res. coun, Brown, 44-45; instr. psychol, Goddard Col, 45-46; asst. prof, Massachusetts, 46-47; Lehigh, 47-49; indust. psychologist. mgt. consult, Stevenson, Jordan & Harrison, 49-52, supvr. psychol. serv, 52-58; MGT. DEVELOP. COUNSR, JEWEL CO, INC, 58- Psychol. Asn. Management development; performance appraisal; personality tests; motivation tests; appraisal of management potential; organization climate; non credit middle management education institutes. Publ: A proposal for resolving the psychological testing controversy, J. Col. Placement, 2/63; College graduates in business: an appraisal, Am. Mgt. Asn. Bull, 63; Second level testing: testing, selecting and motivating employees for superior performance, Proc. Midyear Conf. Supermarket Inst, 64. Address: Jewel Companies, Inc, 1955 W. North Ave, Melrose Park, Ill. 60160.

MEYER, PROF. HENRY JOSEPH, b. Birmingham, Ala, Apr. 9, 13; m. 36; c. 2. SOCIOLOGY. A.B., Michigan, 34, A.M., 37, Ph.D., 39. Instr. State Col. Wash, 39-42; mediation officer, Nat. War Labor Bd, 42-45, v.chmn. nat.

tel. cmn, 45; chmn. region IV, Nat. Wage Stabilization Bd, Ga, 46; assoc. prof. sociol, N.Y. Univ, 46-50, PROF, 50-57; SOC. WORK & SOCIOL, MICHIGAN, 57- Consult, High Cmnr. for Germany, 49-51. Mem. Coun. Soc. Work Ed. Sociol. Asn; Soc. Study Social Probs; Indust. Rel. Res. Asn. Social welfare; social organization and general sociology. Publ: Co-auth, Sociological theory; Experiment in mental patient rehabilitation; Girls at vocational high, Russell Sage, 65. Address: Dept. of Sociology, University of Michigan, Ann Arbor, Mich. 48104.

MEYER, DR. HERBERT H(ENRY), b. Ft. Wayne, Ind, Oct. 16, 17; m. 42; c. 2. PSYCHOLOGY. Ph.D.(indust. psychol), Michigan, 49. Asst. indust. psychologist, Detroit Edison Co, 48-50; consult, Psychol. Corp, 50-53; PERSONNEL RES. MGR, GEN. ELEC. CO, 53- U.S.N, 44-46. AAAS; Psychol. Asn. Human problems in industry. Publ: Factors related to success in human relations aspect of work group leadership, Psychol. Monogr; co-auth, Split roles in performance appraisal, Harvard Bus. Rev, 1-2, 65 & Motivating factory employees, Personnel, 1-2/68. Address: 3 North Rd, Darien, Conn. 06820.

MEYER, DR. JOHN K(ELLOGG), b. Quincy, Ill, July 24, 23; m. 49; c. 2. PSYCHOLOGY, CULTURAL ANTHROPOLOGY. A.B, Oberlin Col, 48; M.S. Purdue, 51, Ph.D.(appl. soc. psychol), 57. Psychol. intern, Manteno State Hosp, Manteno, Ill, 49; photog. lab. asst, Champaign, Ill, 49-50; asst. lang. lab. teaching, div. ed. reference, Purdue, 51-53, spec. data processing, statist. lab, 53-54; res. psychologist, U.S. Air Force Personnel Lab, Lackland Air Force Base, 54-55, selection test construct, 55-59; PERSONNEL MEASUREMENTS PSYCHOLOGIST, U.S. NAVAL PERSONNEL RES. ACTIVITY, 59- Summers, psychiat. aide, Peoria State Hosp, Peoria, Ill, 47; Menninger Clin, Topeka, Kans, 50. U.S.A, 43-46. Psychol. Asn; Soc. Psychol. Study Social Issues. Demography of attitudes, such as determinants of ethnocentrism and prejudice; response set and readiness to act; influence of working conditions on ability to perform complex logical tasks; computer programming involving new mathematical models. Publ: Programmed instruction for college student learning, Res. Report SRR 68-16, 65, co-auth, Hierarchical instruction, computer programming, Tech. Bull. STB 66-24, 66, & Individual differences in problem solving, Tech. Bull. STB 67-9, 66, U.S. Naval Personnel Res. Activity, San Diego, Bur. Naval Personnel. Address: U.S. Naval Personnel Research Activity, San Diego, Calif. 92152.

MEYER, PROF. JOHN ROBERT, b. Pasco, Wash, Dec. 6, 27; m. 49; c. 3. ECONOMICS. B.A, Washington (Seattle), 50; Ph.D, Harvard, 55. Jr. fel, Harvard Soc. Fels, 53-55; asst. prof. ECON, HARVARD, 55-58, assoc. prof, 58-59, PROF, 59- Consult, Rand Corp, 59; Coun. Econ. Adv, 61. Wells prize, 55. U.S.N, 46-48. Economet. Soc; Statist. Asn; Econ. Asn; Econ. Hist. Asn. Theory and empirical measurement of business investment decisions; transportation economics. Publ: Co-auth, Economics of competition, In: Transportation industry & The investment decision; auth, Economics of slavery in the ante-bellum South, J. Polit. Econ. Address: Dept. of Economics, Littauer G51, Harvard University, Cambridge, Mass. 02138.

MEYER, DR. JOHN W, b. Cleveland, Ohio, Aug. 3, 35; m. 60; c. 1. SOCIOLOGY. B.A, Goshen Col, 55; M.A, Colorado, 57; Ph.D.(sociol), Columbia, 65. Instr. SOCIOL, Columbia, 61-65, ASST. PROF, 65-66; STANFORD, 66- Soc. Sci. Address: Dept. of Sociology, Stanford University, Stanford, Calif. 94305.

MEYER, DR. JULIE, b. Nuremberg, Germany; nat. SOCIOLOGY. Ph.D, Erlangen, 22. Lectr, Munic. Volkshochschule, Nuremberg, 22-33; res. asst. labor, NEW SCH. SOC. RES, 38-43, lectr, 43-46, asst. prof, 46-48, from assoc. prof. labor to EMER. ASSOC. PROF. SOCIOL. & ECON, 48- Lectr, Munic. Sch. Soc. Work, Nuremberg, 27-33; Hunter Col, 46. Ed, Echo der Unabhangigen Demokratie, 22-33. Sociol. Asn; Indust. Rel. Res. Asn. Urban sociology; hierarchy of the shop. Publ: Die Entstehung des Patriziates; Die dritte Frauengeneration in der Deutschen Politik; Festschrift fur Gertrud Baumer. Address: 80 Seaman Ave, New York, N.Y. 10034.

MEYER, DR. LOUIS SABIN, b. Erie, Pa, July 2, 25; m. 58. POLITICAL SCIENCE, GOVERNMENT. B.A, Allegheny Col, 49; M.A, Arizona State, 62; Ph.D.(govt), Arizona, 64. Exec. v-pres. & gen. mgr, P.A. Meyer & Sons, Pa, 49-60; asst. prof. polit. sci, Arizona State, 64-65; admin. asst, Gov. Ariz, 65-66; asst. prof. POLIT. SCI, Wyoming, 66-67; ASSOC. PROF, EDINBORO STATE COL, 67- U.S.C.G, 43-46. Polit. Sci. Asn; Soc. Pub. Admin; Acad. Polit. & Soc. Sci. Intergovernmental relations in the United States; impact studies of various federal grants to the states of Arizona and Wyoming. Publ: Federal aid to education: its impact on Arizona, Bur. Govt. Res, Arizona State Univ, 62; Federal grants in aid to Wyoming, Wyo. Trade Winds, 67. Address: Box 327, Edinboro, Pa. 16412.

MEYER, PROF. MERLE EUGENE, b. Minden, Nebr, Aug. 14, 28; m. 51; c. 3. PSYCHOLOGY. B.A, Cent. Wash. State Col, 53; M.A, Washington (Seattle), 56, Nat. Sci. Found. faculty fel. & Ph.D.(psychol), 63. Instr. PSYCHOL, Whitman Col, 56-58, asst. prof, 58-62, assoc. prof, 63-66; WEST. WASH. STATE COL, 66-68, PROF, 68-, CHMN. DEPT, 67- Psychol. Asn; Animal Behav. Soc. Bird navigation; sensory reinforcement. Publ: Discriminative basis for astrornavigation in birds, J. Comp. & Physiol. Psychol, 58: 403-406; Stimulus control for bird orientation, Psychol. Bull, 58: 165-179; The internal clock hypothesis for astrornavigation in the pigeon, Psychonomic Sci, 5: 259-260. Address: Dept. of Psychology, Western Washington State College, Bellingham, Wash. 98225.

MEYER, DR. MORTIMER M(EIER), b. New York, N.Y, Oct. 15, 09. PSYCHOLOGY. Ph.D.(psychol), N.Y. Univ, 42. Dir. child guid. bur, pub. schs, Akron, 41-42; chief clin. psychologist, Vet. Admin. Ment. Hyg. Clin, 46-60; chief psychologist, REISS-DAVIS CHILD STUDY CENTER, 60-67, DIR. PSYCHOL. SERV, 67- From lectr. to clin. prof, grad. div, Southern California, 49-63. Consult, State Hosps; Los Angeles County Probation Dept, 59-62. Mem. bd. dirs, Am. Bd. Exam. Prfrl. Psychol, 54-60. U.S.A, 42-46, 1st Lt. Psychol. Asn; Soc. Proj. Tech.(exec. ed. J. Proj. Tech, 49-54). Psychodynamics; psychological testing. Publ: Co-auth, Correspondence between attitudes and images of parental figures in TAT stories and in therapeutic inter-

views, J. Consult. Psychol; Direct use of projective techniques in psychotherapy & integration of test results with clinical observations, J. Proj. Tech. Address: Reiss-Davis Child Study Center, 9760 W. Pico Blvd, Los Angeles, Calif. 90035.

MEYER, MORTON A, b. New York, N.Y, Dec. 18, 17; m. 44; c. 2. STATISTICS. Chief pop. processing off, U.S. Bur. Census, 50-51, statist. procedures sect, pop. & housing div, 51-54, electronic sys, tabulating sect, 52-53, acting chief opers. br, 54-55; adv. census & statist. Int. Co-op. Admin, Uruguay, 55-58; chief, prog. br, U.S. BUR. CENSUS, 58-59, asst. chief, decennial opers. div, 60-61, chief, 61-62, demog. opers. div, 62-66, COORDINATOR, CIVIL DEFENSE SERV, 66- Orgn. Am. States adv, Nat. Develop. Coun. Repub. Argentina, 62; consult, Agency Int. Develop, Nat. Planning Inst. Repub. Peru, 64, Brazilian Inst. Geog. & Statist, 67. U.S.A, 44-46. AAAS; Statist. Asn; Soc. Int. Develop; For. Serv. Asn; Acad. Polit. Sci. Statistical administration and operations. Address: Bureau of the Census, Washington, D.C. 20233.

MEYER, PHILLIP E(DWARD), b. Deshler, Nebr, Oct. 27, 30; m. 56; c. 3. JOURNALISM, POLITICAL SCIENCE. B.S, Kansas State, 52, M.A, North Carolina, 63; Nieman fel, Harvard, 66-67. Asst. state ed, Topeka Daily Capital, 54-56; Am. govt, North Carolina, 56-58; reporter, Miami Herald, 58-62; CORRESPONDENT, KNIGHT NEWSPAPERS, 62- U.S.N, 52-54, Res, 54-65, Ens. Polit. Sci. Asn. Public opinion; voting behavior; race relations. Publ: The people beyond Twelfth Street, Detroit Urban League, 67; Social science: a new beat?, Nieman Reports, 67; Detroit: when scholars joined journalists, Columbia Journalism Rev, 67. Address: 1371 Kalmia Rd. N.W, Washington, D.C. 20012.

MEYER, DR. ROBERT J, b. New Bedford, Mass, Aug. 9, 20; m. 49; c. 4. BUSINESS ECONOMICS. B.A, Massachusetts, 50; M.A, Connecticut, 51; Ph.D.(bus. econ), Harvard, 65. Instr. mgt, Rhode Island, 50-53, asst. prof, 53-59, assoc. prof, 59-64, prof, 64-66; RES. ECONOMIST, HONEYWELL, 66- Econ. Asn; Statist. Asn; Inst. Mgt. Sci. Management operations analyses. Address: 3836 Abbott Ave. S, Minneapolis, Minn. 55410.

MEYER, PROF. STEPHEN, JR, b. New York, N.Y, Nov. 20, 18; m. 49; c. 4. BUSINESS ADMINISTRATION. B.S, Long Island, 40; M.A, Columbia, 41, Ed.D.(bus. admin), 52. Instr. acct. & secretarial sci, City Col. New York, 46-52; PROF. BUS. ADMIN, ALMA COL, 52-, V.PRES. BUS. AFFAIRS, 67-, bus. mgr, 58-67. Instr, McBurney Sch, 46-48; vis. prof, Appalachian State Teachers Col, 53. Consult, Bell Tel. Labs, N.Y, 49. U.S.N, 41-46, Lt. Comdr. Accounting; secretarial studies; office management. Publ: Preparation of the typewriting teacher; What's wrong with adult business education? J. Bus. Ed; Why ethics in business?, Balance Sheet. Address: 627 West Center, Alma College, Alma, Mich. 48801.

MEYER, PROF. WILLIAM J, b. Brooklyn, N.Y, Feb. 10, 29; m. 51; c. 1. PSYCHOLOGY. Ph.D, Syracuse, 57. Asst. instr. PSYCHOL, Syracuse, 52-55; asst. prof, Pittsburgh, 57-61, assoc. prof, 61-65; PROF, SYRACUSE, 65- U.S.N, 55-57. Fel. Psychol. Asn; Soc. Res. Child Develop. Experimental studies of learning in children; social and intellectual development. Address: Syracuse University, 150 Marshall St, Syracuse, N.Y. 13210.

MEYER, PROF. WILLIAM T(HEODORE), b. Akron, Iowa, June 29, 07; m. 39; c. 2. EDUCATIONAL PSYCHOLOGY. B.A, Wartburg Col, 30; M.A, Iowa, 31, Ph.D, 37. Teacher, high sch, Minn, 31-32; instr. ed, Wartburg Col, 32-35; asst, Iowa, 35-37; prof. psychol, Wis. State Col.(Whitewater), 37-38; asst. prof. psychol, ADAMS STATE COL, 38-48, dir. student personnel, 48-53, chmn. div. ed, 52-55, dean grad. div, 54-60, PROF. PSYCHOL, 60- Asn. Higher Ed. Comparative education. Publ: Secondary schools of Germany, Sch. Rev; Religion in higher education, In: Current issues in higher education. Address: Dept. of Psychology, Adams State College, Alamosa, Colo. 81101.

MEYERHOFF, PROF. HOWARD A(UGUSTUS), Geol, see 11th ed, Phys. & Biol. Vols.

MEYEROWITZ, DR. JOSEPH H, b. Bronx, N.Y, Feb. 25, 35; m. 56; c. 4. SOCIOLOGY, SOCIAL PSYCHIATRY. Ph.B, Chicago, 53; cert. group dynamics, Inst. Leaders, Israel, 54; M.S, Hunter Col, 56; Ph.D.(sociol, child develop), Iowa, 59. Instr. sociol, Iowa, 56-59; res. assoc, inst. res. except. children, Illinois, 59-61; res. sociologist, Cornell, 61-64; ASST. PROF. PSYCHIAT, COL. MED, BAYLOR, 64- Fel, behav. sci. inst, Bowman Gray Sch. Med, 66. Sociol. Asn; Soc. Res. Child Develop. Social causation of pathology in intra and inter familial relationships including chronic illness, retardation and obstetrical concerns. Publ: Transition to parenthood, Psychiat. Res. Report, 2/66; Environmental variation and educational retardation, J. Health & Soc. Behav, 6/67; Familial response to stress, Soc. Sci. & Med, 9/67. Address: Baylor University College of Medicine, Texas Medical Center, Houston, Tex. 77025.

MEYERS, DR. ALBERT L(EONARD), Econ, see 10th ed, Soc. & Behav. Vols.

MEYERS, PROF. ARTHUR C(HRISTIAN), JR, b. St. Louis, Mo, May 16, 14; m. 39; c. 6. ECONOMICS. B.C.S, St. Louis, 36, fel, 36-37, M.C.S, 37, Ph.D, 50; Chicago, 37-38, 47. Instr, ECON, ST. LOUIS, 36-42, 46-47, asst. prof, 47-54, assoc. prof, 54-60, PROF, 60-, DIR. DEPT, 68-, asst. dean eve. div, 46, acting dir. dept. econ, 62. Consult, Circuit Clerk's Off, Mo, 41-42; Bd. Police Cmnrs, 47- U.S.A, 42-46, Col. Econ. Asn; Statist. Asn. Federal Deposit Insurance Corporation; municipal employee retirement systems; crime and criminal statistics. Publ: Criteria for evaluating retirement systems for public employees; Murder—a statistical study; Policy for municipal retirement systems. Address: 3674 Lindell Blvd, St. Louis, Mo. 63108.

MEYERS, DR. BARTON, b. Washington, D.C, Sept. 4, 36; m. 62; c. 2. PSYCHOLOGY. A.B, George Washington, 58, A.M, Michigan, 59, U.S. Pub. Health Serv. fcls, 60-63, Ph.D.(psychol), 63. ASST. PROF. PSYCHOL, BROOKLYN COL, 63- AAAS; Psychol. Asn. Ontogeny of visual perceptual behavior; confluence of cholinergic and limbic determinants of behavior.

- Publ:** Some effects of scopolamine on a passive avoidance response in rats, *Psychopharmacologia*, 65; co-auth, Effect of bilateral spending depression and scopolamine on motor activity in rats, *Psychol. Reports*, 66 & Effects of scopolamine on a "go-nogo" avoidance task in rats, *Psychomonic Sci*, 67. Address: Dept. of Psychology, Brooklyn College, Brooklyn, N.Y. 11210.
- MEYERS, PROF. CECIL H(AROLD)**, b. Solon, Iowa, July 18, 20; m. 46; c. 3. **ECONOMICS**. B.A. Iowa, 47, Ph.D.(econ), 49. Instr., Iowa, 48-49; asst. prof. **BUS. & ECON. MINNESOTA, DULUTH**, 49-53, assoc. prof., 53-57, **PROF.**, 57-, **CHMN. DEPT.**, 64-. **U.S.N.R.**, 42-45. **Econ. Asn;** Finance Asn; Statist. Asn. Public finance; economic theory; statistics; measuring the economic performance of small geographic areas. **Publ:** Elementary business and economic statistics, Wadsworth, 66; Savings bond program, *Current Econ. Comment.* Address: 1738 Dunedin Ave, Duluth, Minn. 55803.
- MEYERS, PROF. C(HARLES) E(DWARD)**, b. Chicago Heights, Ill, Oct. 26, 12; m. 40; c. 2. **EDUCATIONAL PSYCHOLOGY**. B.S. Illinois, 37, M.A. 39; Ph.D.(child psychol, psychol), Iowa, 41. Psychologist, Mt. Pleasant State Hosp, Iowa, 41-42; from instr. to assoc. prof, dept. psychol, Denver, 42-47; from assoc. prof. to **PROF. ED, SOUTHERN CALIFORNIA**, 47- William E. Blatz mem. lectr. inst. child study, Univ. Toronto, 66. Consult, War Manpower Cmn, 45. Fel. AAAS; fel. Psychol. Asn; fel. Soc. Res. Child Develop; fel. Asn. Ment. Deficiency; Coun. Except. Children; Ed. Res. Asn. Human development; ontogeny of intellect; learning. **Publ:** Co-auth, Recruitment and training of teacher interns; auth, Effect of conflicting authority on one child; co-auth, Structure of intellect at the preschool ages: hypothesized domains, *Psychol. Bull.* Address: 6143 W. 75th Place, Los Angeles, Calif. 90045.
- MEYERS, PROF. FREDERIC**, b. Pittsburgh, Pa, Mar. 29, 17; m. 38; c. 3. **ECONOMICS**. Ph.D.(econ), North Carolina, 41. Dir. Atlanta off, Labor Bur. Mid. West, 42-48; asst. prof. econ, Texas, 48-51, assoc. prof., 52-58; **PROF. INDUST. RELS. CALIFORNIA, LOS ANGELES**, 58-, assoc. dir. inst. indust. rels, 61-65, chmn. dept. bus. admin, 65-67. Assoc. prof., Illinois, 51-52; vis. lectr, Wales, 57; Guggenheim fel, 60; vis. prof. Mass. Inst. Tech, 67-68. Arbitrator, Fed. Mediation & Conciliation Serv. **Econ. Asn;** Indust. Rels. Res. Asn. Collective bargaining; comparative industrial relations and labor law; wage theory. **Publ:** Economics of labor relations; Right-to-work in practise; Ownership of jobs, Univ. California, Los Angeles, Inst. Indust. Rels, 65. Address: Dept. of Business Administration, University of California, Los Angeles, Calif. 90024.
- MEYERS, SAMUEL M**, b. Philadelphia, Pa, Apr. 18, 20; m. 51; c. 3. **SOCIOLOGY, PSYCHOLOGY**. M.A. Chicago, 51. Asst. Ill. Selective Serv. Felon Study, 51-52; lectr. sociol, Gary Center, Indiana, 52-54; res. assoc., HumRRO, 54-56; behav. sci, Okla. Med. Res. Inst, 57-58; consult, Vet. Admin. Hosp, Okla. City, 58-61, soc. sci. analyst, 61-65; mgt. analyst, univ. hosps, Oklahoma, 64-66; **RES. ASSOC. BUR. SOC. SCI. RES, INC**, 66- Instr. med. center, Oklahoma, 58-66. Consult. surv. Dept. Pub. Health, Okla, 63-65; consult, President's Cmn. Law Enforcement & Admin. Criminal Justice, 66-67. Mem. Gov. Cmt. Ment. Health Planning, Okla, 63-65. U.S.A., 42-45, Sgt. Sociol. Asn. Criminology; psychological warfare; medical and administrative sociology; political science; social welfare. **Publ:** Co-auth, Mass behavior in battle and captivity, Univ. Chicago, 68 & Political behavior of Korean and Chinese prisoners of war in the Korean conflict: a historical analysis. Address: 3500 Kensington Court, Kensington, Md. 20795.
- MEYERS, TRIENAH**, b. Norfolk, Va, May 17, 18; m. 47. **PSYCHOLOGY**. B.A. Rutgers, 40. Mem. staff, pub. opinion surv, bur. appl. soc. res, Columbia, 40-42; morale surv, res. br, Army Serv. Forces, 42-45; spec. pop. studies, pop. div, U.S. Bur. Census, 45-46; surv. sect, off. of adminstr, Nat. Housing Agency, 46-47; chief spec. surv, br. statist. reporting serv, U.S. DEPT. AGR, 47-64, dep. asst. secy, mkt, 64-66, **STAFF ASST. TO ADMINSTR. SOC. SCI, ECON. RES. SERV.**, 66- Res. consult. Mem. sub-panel on pop. & nutrit. demands, President's Sci. Adv. Cmt's World Food Study, 67. Superior serv. award, U.S. Dept. Agr, 52. Mkt. Asn; Asn. Pub. Opinion Res. Research in public opinion, motivation, and human behavior. Address: 560 N St. S.W., Washington, D.C. 20024.
- MEYERS, DR. WILLIAM J**, Muskegon, Mich, Jan. 10, 33; m. 55; c. 1. **PSYCHOPHYSIOLOGY**. B.A. Michigan, 55; M.S. Oregon, 58, Ph.D.(psychol), 61. U.S. Pub. Health Serv. fel. & instr. psychol, Oregon, 61-62; U.S. Pub. Health Serv. fel, Fels Res. Inst, 62-64; **ASST. PROF. PSYCHOPHYSIOL, IOWA**, 64- U.S.N.R., Lt.(jg). AAAS; Soc. Psychophysiol. Res; Psychol. Asn. Psychophysiology of learning and motivation. **Publ:** Co-auth, Observing and cardiac responses of human infants to visual stimuli, 67 & Response speed as related to CS-prefamiliarization and GSR-responsivity, 68, J. Exp. Psychol; co-auth, The evoked heart rate response: the influence of auditory stimulus repetition pattern reversal and autonomic arousal level, *Psychophysiology*, 67. Address: Institute of Child Behavior & Development, University of Iowa, Iowa City, Iowa 52240.
- MEYERSBURG, DR. H(ERMAN) A(RNOLD)**, b. New York, N.Y., Dec. 8, 13; m. 37; c. 4. **PSYCHIATRY**. Sc.B. New York Univ, 33, M.D. 38. Rotating intern, Greenpoint Hosp, Brooklyn, 38-40; asst. res. neuropsychiat. serv, Goldwater Mem. Hosp, N.Y. Univ, 40-41, fel. med. serv, psychiat. div, Bellevue Hosp, 41-42; asst. res. & res. neuropsychiat, hosp, Virginia, 42-43; consult. neurologist & psychiatrist, U.S. Marine Hosp, Norfolk & Vet. Admin. Hosp, Kecoughtan, 47-50; sr. psychiatrist, ment. hyg. clin, regional off, U.S. Vet. Admin, 50-52, consult. psychiatrist, 52-56; clin. instr. **PSYCHIAT. SCH. MED. GEORGE WASHINGTON**, 55-60, assoc. 60-64, **ASSOC. CLIN. PROF.**, 64-, **TRAINING PSYCHOANALYST, WASH. PSYCHOANAL. INST.**, 59-, mem. faculty, 56-59. Res. assoc, Wash. Sch. Psychiat. Consult. psychiatrist, U.S. Army Med. Servs. Grad. Sch, Walter Reed Hosp, 52-58; Hampton Inst, 53-61; consult, Hillcrest Residence, 59-; Nat. Inst. Ment. Health, 65- U.S.N.R. 44-46. Psychiat. Asn; Psychoanal. Asn. Dynamics of psychotherapeutic processes; clinical studies of the participation of patient and therapist in the interview situation; relationship of social structure to the social functioning of the individuals within that structure. Address: 9910 Summit Ave, Kensington, Md. 20795.
- MEYERSOHN, DR. ROLF B(ERNARD)**, Sociol, see 10th ed, Soc. & Behav. Vols.
- MEYERSON, PROF. ERMA T(ETTELBAUM)**, b. Pittsburgh, Pa, Feb. 15, 18; m. 40; c. 2. **SOCIOLOGY**. B.S. Carnegie Inst. Tech, 40; M.A. 42. Soc. case worker, Am. Red Cross, 42-45; asst. prof. soc. work, Carnegie Inst. Tech, 46-55; assoc. prof. **SOCIOL. & SOC. WORK, PITTSBURGH**, 56-62, **PROF.**, 62- Lectr, State Dept. Pub. Welfare, Pa, 61 & 62; mem. adv. cmm. to sect, Health, Welfare & Ed, 62. Mem. Coun. Soc. Work Ed. & chmn. exec. cmm. schs. & dept, 60-63. Sociol. Asn. Social work; social welfare; small group theory; use of informal group method within the public school setting. **Publ:** Social change, *Proc. Faculty-Alumni Conf, Univ. Pittsburgh*; Social work image, *Soc. Work J*; Nurturing social values in social work education, *Proc. Annual Prog. Meeting, Coun. Soc. Work Ed.* Address: Dept. of Sociology, University of Pittsburgh, Pittsburgh, Pa. 15213.
- MEYERSON, PROF. LEE**, b. New Brunswick, N.J., Feb. 27, 20. **PSYCHOLOGY**. A.B. Lafayette Col, 42; A.M. California, Los Angeles, 43; fel, Stanford, 43-45, Ph.D.(psychol), 50; Soc. Sci. Res. Coun. fel, Harvard, 46-47; U.S. Pub. Health Serv. fel, 47-49. Clin. psychologist, State Dept. Ed, Calif, 45-46; asst. prof. child study, Vassar Col, 47-48; **PSYCHOL.**, med. sch, Kansas, 49-54; spec. res. fel, Nat. Inst. Ment. Health, 54-55; Fulbright lectr, Copenhagen, 55-56; **PROF.**, Houston & col. med, Baylor, 56-62; **ARIZONA STATE**, 62- Voc. Rehab. Admin, U.S. Off. Ed. & Nat. Inst. Ment. Health res. & training grants, 55-67; vis. prof, sch. med, Stanford, 61-62. Fel. AAAS; fel. Pub. Health Asn; fel. Soc. Res. Child Develop; fel. Psychol. Asn. Somatopsychology; physical disability in children and adults; rehabilitation. **Publ:** Co-auth, Adjustment to physical handicap and illness, *Soc. Sci. Res. Coun*, 53; auth, Special disabilities, *Ann. Rev. Psychol*, 57; co-auth, Behavior modification in rehabilitation, In: *Child development*, Appleton, 67. Address: Dept. of Psychology, Arizona State University, Tempe, Ariz. 85281.
- MEYERSON, PRES. MARTIN**, b. New York, N.Y., Nov. 14, 22; m. 45; c. 3. **URBAN PLANNING, POLICY SCIENCES**. A.B. Columbia, 42; M.C.P. Harvard, 49; LL.D. D'Youville Col, 68. Asst. prof. soc. sci, Chicago, 48-52; assoc. prof. & prof. city planning & urban studies, Pennsylvania, 52-57; Williams prof. city planning & urban res, Harvard, 57-63, dir, Mass. Inst. Tech-Harvard Joint Center Urban Studies, 59-63; dean col. environ. design, California, Berkeley, 63-66; **PROF. POLICY SCI. & PRES, STATE UNIV. N.Y. BUFFALO**, 66- Acting chancellor, California, Berkeley, 65. Consult, UN, Yugoslavia, Indonesia & Japan. Fel. Am. Acad. Arts & Sci. Urbanization in developed and developing countries; theory of planning and public policy; ecology. **Publ:** Politics, planning and the public interest; Housing, people and cities; Face of the metropolis. Address: Office of the President, Hayes Hall, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- MEYROWITZ, ALVIN**, Bus. Admin, see 10th ed, Soc. & Behav. Vols.
- MEZZANO, DR. JOSEPH**, b. Wakefield, Mich, Aug. 26; 31; m. 55; c. 4. **GUIDANCE, COUNSELING**. B.S. Wis. State, Superior, 58; M.A. Mich. State, 63, Ed.D.(guid, counseling), 66. Teacher, voc. sch, Wis, 58-59; teacher & counsr, pub. schs, Mich, 58-62; instr. **GUID. & COUNSELING**, Mich. State, 65-66; **ASST. PROF. WIS. STATE, OSHKOSH**, 66- U.S.N., 49-53. Personnel & Guid. Asn; Asn. Counsr. Ed. & Supv. Effectiveness of group counseling with low-motivated students; relationship of self insight to achievement. **Publ:** A consideration for group counselors: degree of counselor investment, *Sch. Counsr.* 1/67; A study of the relationship between score ranking and self ranking of values by graduate students in guidance, *Col. Student Surv*, 12/67; Group counseling with low motivated male students. Comparative effects of two uses of counselor time, *J. Ed. Res*, 68. Address: Dept. of Psychology, Wisconsin State University, Oshkosh, Wis. 54901.
- MICAUD, PROF. CHARLES A**, Polit. Sci, see 10th ed, Soc. & Behav. Vols.
- MICHAEL, DR. ARCHER L(ESTER)**, Psychol, see 10th ed, Soc. & Behav. Vols.
- MICHAEL, BERNARD**, b. Pittsburgh, Pa, Feb. 17, 24; m. 50; c. 4. **ECONOMICS**. B.A. George Washington, 48; M.A. Columbia, 49; American Univ, 49-58. Statistician, Bur. Census, 49; bus. economist, div. manpower & employ. statist, U.S. Dept. Labor, 52-58, chief sect. sci. & specialized manpower, 58-62, coordinator res. sci. & specialized personnel, 62-63, chief br. occup. outlook, 63-65; prog. eval. officer, **BUR. ADULT, VOC. & LIBRARY PROGS, U.S. OFF. ED**, 65-66, **DIR.**, 65- **Statist. Asn;** Voc. Asn. Development, implementation and coordination of the bureau-wide evaluation system for assessing the effectiveness and efficiency of vocational, adult, manpower and library programs. **Publ:** Education and training, learning for jobs, Off. Ed, Dept. Health, Ed. & Welfare, 68; Occupational outlook handbook, Bur. Labor Statist, Dept. Labor; Long-range demand for scientific and technical personnel, a methodological study. Address: U.S. Office of Education, Dept. of Health, Education and Welfare, Washington, D.C. 20202.
- MICHAEL, DR. CARMEN MILLER**, b. Dallas, Tex, Aug. 7, 26; m. 56; c. 2. **CLINICAL PSYCHOLOGY**. B.A. Southern Methodist, 45; M.A. Columbia, 47; Ph.D.(clin. psychol), Western Reserve, 52. Clin. psychologist, dept. psychiat, Southwest. med. sch, Texas, 51; Dallas Child Guid. Clin, 51-52; chief psychologist, **DEPT. PSYCHIAT, SOUTHWEST. MED. SCH, TEXAS**, 52-58, clin. assoc. prof. **PSYCHOL**, 58-65, **CLIN. PROF.**, 65- Fel. Psychol. Asn; fel. Soc. Proj. Tech; fel. Orthopsychiat. Asn. **Publ:** Follow-up studies of introverted children. III Relative incidence of criminal behavior, *J. Criminal Law, Criminol. & Police Sci*; Use of the Glueck prediction scale in identification of potential delinquents, *Corrective Psychiat. & J. Soc. Therapy*, 3/65; co-auth, The administration of estrogens to older women, a psychometric evaluation, *Proc. Int. Cong. Geront*, 7/66. Address: 5329 Royal Crest, Dallas, Tex. 75229.
- MICHAEL, PROF. DONALD N(ELSON)**, b. Chicago, Ill, Jan. 24, 23; m. 56; c. 1. **SOCIAL PSYCHOLOGY**. S.B. Harvard, 46, Ph.D.(soc. psychol), 52; M.A. Chicago, 48; D.Sc. Marlboro Col, 64. Res. assoc, Surv. Res. Center, 49; values proj, Harvard, 50; asst. prof. res, Boston, 52-53; sci. warfare adv. & staff soc. scientist, weapons syst. eval. group, Joint Chiefs Staff, 53-54; adv. surv. methods for nat. sci. policy studies, *Nat. Sci. Found*, 54-56; sr. res. assoc, Dunlap & Assocs, Inc, 56-59; mem. sr. staff, Brookings Inst, 59-61; dir, Peace Res. Inst, 61-63; res. fel, Inst. Policy Studies, 63-66; **PROF. PSYCHOL, MICHIGAN**, 66-, **PROG. DIR, INST. SOC. RES**, 66-, **PROF. NAT. RESOURCES**, 68- Nat. Inst. Ment. Health spec. res. fel, 68-70. Con-

- sult, UNESCO, 49; U.S. Dept. Defense, 54; Off. Civil & Defense Mobilization, 56-59; Inst. Defense Anal., 61-; cmt. disaster studies, Nat. Res. Coun., 54-60. Mem. President's Security Resources Panel, 58; Cmn. Study Orgn. of Peace, 65-; curriculum develop. adv. group, Div. Comprehensive & Voc. Res., U.S. Off. Ed., ad hoc cmt. on youth serv., Children's Bur., Dept. Health, Ed. & Welfare, 67- Sig. C, U.S.A., 43-46. Fel. AAAS; fel. Psychol. Asn; fel. Soc. Psychol. Study Social Issues; Fedn. Am. Sci.; Soc. Cybernet. Social impact of technology. Publ: Proposed studies of the implications of peaceful space activities for human affairs, Brookings, 61; The next generation, Random, 65; The unprepared society, Basic Books, 68. Address: 4081 Clark Rd, Ann Arbor, Mich. 48104.
- MICHAEL, DR. ETHEL ANN, b. Chicago, Ill., July 9, 14; m. 58; c. 1. PSYCHOLOGY. B.A. Tulane, 51; Washington (St. Louis), 51-52; M.A. Northwestern, 54, U.S. Pub. Health Serv. fel. 56-57, Ph.D. (clin. psychol.), 57. Trainee clin. psychol., Hines Vet. Admin. Hosp., Ill., 53-55; res. Neuropsychiat. Inst., Univ. Illinois, 55-56; lectr., Northwestern, 56; asst. chief psychologist, Milwaukee County Hosp. Ment. Diseases, Wis., 57-59; clin. psychologist, Camarillo State Hosp., Calif., 59-61; clin. & res. psychologist, Mt. Sinai Hosp., Los Angeles, 61-66; CLIN. PSYCHOLOGIST, 66- Consult, postdoctoral training prog. clin. psychol., Cedars-Sinai Med. Center, Los Angeles, 66- Dipl. clin. psychol., Am. Bd. Exam. Prfnl. Psychol., 62. Psychol. Asn; Acad. Psychother. Individual and group psychotherapy; psychodiagnostic evaluations. Publ: Co-auth, An experimental approach to the study of physiological and psychological effects of emotional stress situations, In: Research approaches to psychiatric problems, Grune, 62; ed, The development of a post-doctoral training program, Clin. Div. Am. Psychol. Asn, 63; co-auth, A psychophysiological study of hyperthyroidism, Psychosom. Med, 65. Address: 360 N. Bedford Dr, Beverly Hills, Calif. 90210.
- MICHAEL, PROF. FRANZ HENRY, b. Freiburg, Germany, Mar. 10, 07; U.S. citizen; m. 66; c. 2. POLITICAL SCIENCE. Dipl., Berlin, 30; Dr. Jruis, Freiburg, 33. Prof. German, int. rels., Chekiang, 34-38; res. assoc. & Charles Lathrop fel., Walter Hines Page Sch., Hopkins, 39-42; prof. hist. & govt., Washington (Seattle), 42-64, chmn. army specialized training prog., 42-45, acting chmn. Far East Dept., 42-47, asst. dir. Far East, & Russian Inst., 47-62, acting. dir. & chmn. Mod. Chinese Hist. Proj., 47-64; PROF. INT. AFFAIRS, SCH. PUB. & INT. AFFAIRS & ASSOC. DIR. INST. SINO-SOVIET STUDIES, GEORGE WASHINGTON, 64- Participant surv. visit to China, Washington (Seattle), 47; Ford Found. travel grant, 57; Nat. Defense Ed. Act-Ford Found. grant Asian res. journey, 66. Mem., Orientalist Cong., Moscow, 60; Int. Conf. World Politics, Greece, 62; UNESCO Conf., Freiburg, 63; Am. Afro-Asian Ed. Exchange, 67-; Nat. Cmt. U.S.-China Rels. Inc., 68. Asn. Asian Studies. Political Science; international relations; modern China; Sino-Soviet relations. Publ: The origin of Manchu rule in China, Octagon, 42; co-auth, The Far East and the modern world, Holt, 55, 2nd ed, 64; The Taiping rebellion, Univ. Washington, Vols. I, II & III, 66, 68. Address: Institute for Sino-Soviet Studies, 702 19th St, N.E., George Washington University, Washington, D.C. 20006.
- MICHAEL, PROF. HENRY N., b. Pittsburgh, Pa., July 14, 13; m. 43; c. 3. ANTHROPOLOGY, GEOGRAPHY. B.A. Pennsylvania, 48, M.A., 51, Ph.D. (anthrop.), 54. Instr. GEOG. Pennsylvania, 48-54; asst. prof., TEMPLE, 58-62, assoc. prof., 62-65, PROF. & CHMN. DEPT., 65- Res. assoc. univ. mus., Pennsylvania, 59-, carbon-14 lab, 60- U.S.A., 42-45, 1st Lt. AAAS; fel. Anthropol. Asn; Acad. Polit. & Soc. Sci.; fel. Arctic Inst. N.Am; Asn. Am. Geog; Asn. Adv. Slavic Studies; Siberian archaeology; physical and economic geography of the U.S.S.R.; ethnography of non-Slavic peoples of the Soviet Union. Publ: Ed, Anthropology of the north; Lt. Zagoskin's travels in Russian America, 1842-44, Univ. Toronto, 67; The Neolithic age in eastern Siberia, Monogr. Am. Philos. Soc. Address: Dept. of Geography, Temple University, Philadelphia, Pa. 19122.
- MICHAEL, PROF. JOHN F(RANCIS), b. Cleveland, Ohio, Mar. 17, 18; m. c. 5. PSYCHOLOGY. A.B. Western Reserve, 39, B.S., 40, M.A., 42, B.B.A., 48; Ph.D. (psychol.), Ohio State, 52. Mkt. analyst, Firestone Tire & Rubber Co., 46-48; mgt. engr., Lincoln Elec. Co., 51-53; advert. mgr., Cleveland Hardware & Forging Co., 53-55; assoc. prof. mkt. & bus. psychol., JOHN CARROLL, 56-62, PROF. BEHAV. SCI. & MKT., 62- Lectr., Western Reserve, 54-55; Fenn Col., 55-56; partner, Psychol. Bus. Res., 55-58; mgt. consult., 55- U.S.A., 42-46. Psychol. Asn; Mkt. Asn; Sociol. Asn. Personnel management; behavioral sciences; marketing. Address: 1927 Temblehurst Dr, Cleveland, Ohio 44121.
- MICHAEL, DR. WÄLTER P(IUS), b. Germany, Nov. 1, 13; U.S. citizen. ECONOMICS. B.S. Columbia, 50, Ph.D. (econ.), 65. Lectr. econ. Columbia, 53-54; res. asst. int. econ. Nat. Bur. Econ. Res., 54-57, res. collab., 57-58; instr. ECON. OHIO STATE, 58-60, ASST. PROF., 60- U.S.A., 41-45; S/Sgt. Econ. Asn. Economic development; international trade and capital movements. Address: Dept. of Economics, 1775 S. College, Ohio State University, Columbus, Ohio 43210.
- MICHAEL, PROF. WILLIAM B(URTON), b. Pasadena, Calif., Mar. 6, 22; m. 66. PSYCHOLOGY. B.A. California, Los Angeles, 43; M.S. Southern California, 45, M.A., 46, Ph.D. (psychol.), 47. Lectr. math., Southern California, 44-47, psychol. ed., 46-47; res. assoc., Col. Entrance Exam. Bd., 47-48; asst. prof. psychol., Princeton, 47-50; assoc. prof., San Jose State, 50-51; res. assoc., Rand Corp., 51-52; assoc. prof. psychol. & ed., Southern California, 52-57, prof., 57-62, dir. testing bur., 52-62; PROF. PSYCHOL. & ED., California, Santa Barbara, 62-67; SOUTHERN CALIFORNIA, 67- Consult, Los Angeles County Civil Serv. Cmn., 57-65; res. consult., counseling center, Calif. State Col. Los Angeles, 65- Fel. Psychol. Asn; Psychomet. Soc.; Statist. Asn; Ed. Res. Asn. (ed-in-chief, Rev. Ed. Res., 62-65). Factor analysis in aptitude testing; applications of analyses of variance to problems of experimental design in psychology; application of statistical methods to test construction and evaluation. Publ: Prediction of categories from measurements, with applications to personnel selection and clinical prognosis; ed. & contrib. Excellence in education: an opportunity for challenge, Univ. California, 64; auth. & ed, Teaching for creative endeavor, Indiana Univ., 68. Address: 350 Bovard Administration Bldg., University of Southern California, 3518 University Ave., Los Angeles, Calif. 90007.
- MICHAELS, DR. JOSEPH J(ULES), Psychiat., see 10th ed, Phys. & Biol. Vols., deceased 66.
- MICHAELS, DR. RICHARD M(ORTON), b. Boston, Mass., Jan. 19, 27; m. 48; c. 1. PSYCHOLOGY. B.S. Bates Col., 48; M.A. George Washington, 53, Ph.D., 58. Res. psychologist auditory & visual perception, U.S. Naval Res. Lab., 53-58; eng. psychol., U.S. Bur. Pub. Rds., 58, superv. res. psychologist, 59, head human factors proj., 59-62, sci. adv., 62-67; DIR. OFF. UTILITIES TECH. DEPT. HOUSING & URBAN DEVELOP., 67- Mem. ad hoc cmt. hwy. safety, hwy. res. bd., Nat. Acad. Sci-Nat. Res. Coun., 66-; Maritime Transportation Res. Bd., 67- U.S.A.A.F., 45-46. AAAS; Psychol. Asn. Engineering psychology of highway transportation; operations analysis; planning and programming of research and development in transportation; research management. Publ: Traffic safety-challenge to systems engineering, In: Trauma and the automobile, Anderson, 66; Systems engineering in surface transportation, Inst. Elec. & Electronics Engrs. Int. Convention Record, 67; Transportation technology and its effects on the human environment, In: Transportation and the changing South, Agr. Policy Inst., 67. Address: 8808 Anne Tucker Lane, Alexandria, Va. 22309.
- MICHAELSEN, DR. JACOB B., b. Oak Park, Ill., Aug. 28, 30; m. 57; c. 2. ECONOMICS. B.A. Chicago, 55; M.B.A., 58, Ph.D. (econ. finance), 61. Asst. prof. bus. admin., California, Berkeley, 61-65; ECON. COWELL COL., CALIFORNIA, SANTA CRUZ, 65-67, ASSOC. PROF., 67- Nat. Sci. Found. Res. grant, 63-65. U.S.N., 48-52. Econ. Asn; Finance Asn. Money, monetary theory and policy; security markets and financial institutions; organization theory; public finance. Publ: Co-auth, Cost of capital, corporation finance and the theory of investment: comment, Am. Econ. Rev., 6/65; auth, Holding period yields on U.S. government security and the term structure of interest rates, J. Finance, 9/65; co-auth, Portfolio selection in financial intermediaries: a new approach, J. Financial & Quant. Anal., 6/67. Address: Dept. of Economics, Cowell College, University of California, Santa Cruz, Calif. 95060.
- MICHAL, DR. JAN M(ARIA) SNYDR, b. Novapaka, Czech, May 8, 20. ECONOMIC. D.Law, Charles Univ., Prague, 46; London Sch. Econ., 50-51. Economist, Prime Minister's Off., Czech, 46-48; commentator econ. affairs, Brit. Broadcasting Corp., 52-58; lectr. int. econ. Workers Ed. Asn., London, 58-59; ASSOC. PROF. ECON. West. Md. Col., 61-64; STATE UNIV. N.Y. BINGHAMTON, 64- State Univ. N.Y. res. fel., 66-67. Consult., Stanford Res. Inst., 60- Am. Econ. Asn; Royal Econ. Soc. Comparative economic systems; international economics; economic analysis. Publ: Post-war economic systems; Central planning in Czechoslovakia: organization for growth in a mature economy. Address: Dept. of Economics, State University of New York at Binghamton, Binghamton, N.Y. 13901.
- MICHALIK, DR. BENJAMIN ALOYSIUS, b. Lansford, Pa., Mar. 24, 17; m. 48; c. 4. ECONOMICS. A.B. St. Joseph's Col. (Pa.), 40; M.A. Fordham, 42, Ph.D. (econ.), 57. Asst. econ. diag., indust. res. dept., Fordham, 41-42, 46; instr. ECON. ST. PETER'S COL. (N.J.), 47-52, asst. prof., 52-57, assoc. prof., 57-68, PROF., 68-, chmn. dept. sch. arts & sci., 49-65, sch. bus., 53-65. From instr. to assoc. prof., Fordham, 48-67. Charter cmnr., Jersey City, N.J., 59-60; from asst. to consult. ed. to brokerage house, New York, 61- U.S.A., 42-46, Res., 46-51, 2nd Lt. Econ. Asn; Finance Asn; Am. Acad. Arts & Sci; Nat. Asn. Bus. Econ; Nat. Ed. Asn; Asn. Higher Ed. Industrial economics and finance. Publ: Report of the Jersey City Charter Commissioners; Ethical aspects of French economic policies, Soc. Sci. Rev., 3/65. Address: Dept. of Economics, St. Peter's College, Jersey City, N.J. 07306.
- MICHAL-SMITH, DR. HAROLD, b. Plattsburg, N.Y., Sept. 22, 19; m. 50. CLINICAL PSYCHOLOGY. B.S. Boston, 42; Harvard, 44; M.A. Columbia, 46, Prfnl. Dipl., 47; Ph.D. (psychol.), N.Y. Univ., 50. Mem. faculty, dept. psychol., Princeton, 48-50; chief clin. psychologist, State Dept. Insts. & Agencies, N.J., 50-52; DIR. DIV. PSYCHOL. DEPT. PEDIAT. FLOWER & FIFTH AVE. HOSPS., 52-; ASSOC. DIR. CENTER MENT. RETARDATION IN CHARGE BEHAV. SCI., N.Y. MED. COL., 62-; PROF. PSYCHIAT. & PEDIAT., 63-; assoc. prof. clin. psychiat., 52-63. Lectr., Teachers Col., Columbia, 59- Consult., psychologist, 52-; spec. consult., Nat. Inst. Neurol. Diseases & Blindness, 61-; mem. bd. exam., Bd. Ed. City of New York, 63-; Mayor's Cmt. Ment. Retardation, New York, 67- Mem. bd., Camp Hill Village Movement, U.S.A., 63-; Shield of David, 64-; Young Adult Adjust. Center, 65-; Adams Sch., 67- Fel. Psychol. Asn; fel. Soc. Proj. Tech; Group Psychother. Asn; Orthopsychiat. Asn; Asn. Ment. Deficiency; Acad. Cerebral Palsy; Int. Coun. Psychol; Inter-Am. Soc. Psychol; Royal Soc. Med. Brain-injured child; mentally retarded child; learning disorders. Publ: The special child; Mentally retarded patient; Management of the handicapped child. Address: 1230 Park Ave., New York, N.Y. 10028.
- MICHALSON, DR. EDGAR LLOYD, b. Salem, Ore., Dec. 13, 29; m. 58; c. 3. AGRICULTURAL ECONOMICS. B.S. Oregon State, 56; M.S. Pa. State, 59, Ph.D. (agr. econ.), 63. Asst. agr. econ. Pa. State, 56-62; AGR. ECONOMIST, FARM PROD. ECON. DIV. ECON. RES. SERV. U.S. DEPT. AGR., 63- Lectr., Washington State, fall, 63 & spring, 66 & 67. U.S.A., 50-51. Agr. Econ. Soc. Farm size; tree fruit and wheat production in the state of Washington. Publ: Co-auth, Economics of fertilization and use of idle land on selected northeastern Pennsylvania dairy farms, 1/62 & An economic analysis of alternative egg production systems, 6/66, Pa. State Univ; auth, Economics of farm size in the Washington-Idaho wheat-pea area, Wash. State Univ, 5/67. Address: Dept. of Agricultural Economics, Washington State University, Pullman, Wash. 99163.
- MICHAUX, DR. MARY H(ELLEN) T(ATOM), b. Huttig, Ark., Apr. 26, 11; m. 61. PSYCHOLOGY. A.B. George Washington, 47; M.A. Catholic Univ., 49, Ph.D. (clin. psychol.), 52. Teacher, pub. schs., Ark., 30-44; vet. admin. trainee, Catholic Univ., 47-51; staff psychologist, Vet. Admin. Ment. Hyg. Clin., Wash. D.C., 51-57; chief psychologist, legal psychiat. servs., State Dept. Pub. Health, D.C., 57-59; RES. PSYCHOLOGIST, Friends Psychiat. Res., Spring Grove State Hosp., Baltimore, 59-67; RES. PSYCHOLOGIST, SPRINGFIELD STATE HOSP., SYKESVILLE, 67- W.A.C., 44-46. AAAS; Nat. Coun. Crime & Delinquency; N.Y. Acad. Sci; Psychol. Asn. Psychopharmacology; forensic

psychology; quantitative methods; diagnosis and psychotherapy. Publ: A factorial isolation of psychiatric outpatient syndromes, *J. Consult. Psychol.*, 1/58; co-auth, Rater perseveration in measurement of patient change, Ed. & Psychol. Measurement, spring 63; Dimensions of manifest depression in newly hospitalized patients, *Brit. J. Psychiat.*, 9/67. Address: 501 Colleen Rd, Baltimore, Md. 21229.

MICHAUX, DR. WILLIAM W(HITEHEAD), b. Wilson, N.C., Sept. 12, 19; m. 61; c. 1. PSYCHOLOGY. A.B. North Carolina, 39; M.Litt, Pittsburgh, 49; Ph.D. (psychol), Duke, 52. Voc. adv. psychol. Vet. Admin, Charlotte, N.C., 46-48, clin. psychologist, Wash, D.C., 52-58, res. psychologist, 58-61; Spring Grove State Hosp, Baltimore, Md, 61-67; PSYCHOLOGIST, DEPT. MENT. HYG., BALTIMORE, 68- Voc. consult, Soc. Security Admin, 63- Dipl. Am. Bd. Exam. Prfnl. Psychol, 56. U.S.A., 42-45. Psychol. Asn; N.Y. Acad. Sci. Mental disease; clinical practice; psychological tests. Publ: Side effects, resistance and dosage deviations in psychiatric outpatients treated with tranquilizers, *J. Nervous & Ment. Disease*; Traumatic implications of psychiatric disability discharge from the armed services, *Mil. Med.*; co-auth, The psychopathology and measurement of environmental stress, *Community Ment. Health J.*, Winter 67. Address: 501 Colleen Rd, Baltimore, Md. 21229.

MICHEEL, CHARLES C(HRIS), b. Cavour, S.Dak, Mar. 18, 14; m. 43; c. 4. AGRICULTURAL ECONOMICS. POLITICAL SCIENCE. B.S. S.Dak. State Col, 46, M.S., 49. AGR. ECONOMIST, U.S. Bur. Reclamation, 49-53; ECON. RES. SERV., U.S. DEPT. AGR., 54- U.S.A., 41-45, Sgt. Agr. Econ. Asn. Farm and area economic adjustments; economics of soil conservation in Northeastern Kansas. Address: Dept. of Economics, South Dakota State University, Brookings, S.Dak. 57006.

MICHEL, PROF. ALOYS ARTHUR, b. Brooklyn, N.Y. Sept. 9, 28; m. 57; c. 3. GEOGRAPHY. A.B. Harvard, 50; M.B.A. Columbia, 53, Ph.D.(geog), 59. Lectr. geog. Columbia, 56-57, vis. lectr., 61; Off. Naval Res. grant, Afghanistan, 57-58; asst. prof. GEOG, Yale, 58-65, assoc. prof., 65-66; RHODE ISLAND, 66-67, PROF. & CHMN. DEPT., 67- Jr. faculty fel, Yale & Am. Coun. Learned Soc. res. grant Asia, 63-64; vis. assoc. prof., Columbia, 66. U.S.A., 53-55. Asn. Am. Geog. Am. Geog. Soc; Acad. Polit. & Soc. Sci. Regional geography of the Soviet Union; south and southwest Asia and Europe; economic geography, especially irrigation agriculture, transportation, regional planning and economic development. Publ: The Indus Rivers: A study of the effects of partition, Yale, 67; ed, Proceedings of the second international meeting, commission on applied geography, International Geographical Union, Univ. Rhode Island, 67; auth, The Kabul, Kunduz and Helmand Valleys and the national economy of Afghanistan. Address: Dept. of Geography, University of Rhode Island, Kingston, R.I. 02881.

MICHEL, DR. JERRY BOWERS, b. Harlingen, Tex, Aug. 15, 33; m. 57; c. 3. SOCIOLOGY. B.A. Texas A&M, 54; B.D. Southwest. Baptist Theol. Sem, 59; M.A. Texas Christian, 60; Hogg Found. Heflin, U.S. Pub. Health Serv. & Univ. fcls. & Ph.D.(sociol), Texas, 64. Instr. SOCIOL, TEXAS CHRISTIAN, 64-65, asst. prof., 65-68, assoc. prof., 68- Danforth assoc, 66; assoc. prof. dir. Pac. Northwest Bell Tel. Co, summer 66. U.S.A., 54-56, Res, 56-62, 1st Lt. Sociol. Asn; Soc. Study Social Probs; Soc. Psychol. Study Social Probs. Medical sociology; social psychology and problems; stratification. Publ: The measurement of social power on the community level: an exploratory study, *Am. J. Econ. & Sociol.*, 4/64; co-auth, Social and psychological sources of customer dialing irregularities, *Pac. Northwest Bell Tel. Co.*, fall 66. Address: Dept. of Sociology, Texas Christian University, Ft. Worth, Tex. 76129.

MICHEL, DR. JOHN, b. Freeland, Pa, Mar. 28, 26; m. 52. COUNSELING. PSYCHOLOGY. B.A. Lehigh, 50; M.A. Georgia, 51, Ph.D. Texas, 58. Res. psychologist, Perceptual Develop. Labs, 55-57; counseling psychologist, Texas, 57-60; DIR. COUNSELING PSYCHOL, COUNSELING & TESTING CENTER, HAWAII, 60- U.S.A., 44-47, 2nd Lt. Psychol. Asn; Personnel & Guid. Asn. Counseling relationship; counselor selection and training; self concept in vocational identification. Publ: Several non-intellectual dimensions of performance; co-auth, Comparison of the characteristics of honor roll and scholastic probation students. Address: Counseling & Testing Center, University of Hawaii, 1615 East-West Rd, Honolulu, Hawaii 96822.

MICHELI, DR. GENE S(AUL), b. Astoria, N.Y., Jan. 15, 28; m. 58; c. 2. PSYCHOLOGY. B.A. N.Y. Univ, 49, Ph.D.(psychol), 66; M.A. Fordham, 52. Res. psychologist, *Metrop. Life Ins. Co.*, 53-59; EXP. & PHYSIOL. PSYCHOLOGIST, U.S. NAVAL TRAINING DEVICE CENTER, 59- U.S.A., 51-53, 1st Lt. AAAS; Psychol. Asn; Human Factors Soc. Engineering psychology; training and personnel research; test construction. Publ: Research in tracking training, *Navy Sci. Symposium Conf. Proc.*, 61; Augmenting feedback and transfer of training, *Naval Training Device Center Tech. Report*, 66; Behavioral science research at the Naval Training Device Center, *Off. Naval Res. Symposium Report*, Navy Wide Workshop in Biol. Sci., 66. Address: 703 Albertson Place, Orlando, Fla. 32806.

MICHELL, PROF. DOUGLAS A(LBERT), b. Glen Ridge, N.J., May 18, 23; m. 43; c. 3. PSYCHOLOGY. A.B. Hamilton Col, 48; M.A. Stanford, 51, Ed.D.(guid), 54. Counsr. & chief psychometrist, Stanford, 51-55; asst. prof. PSYCHOL, SACRAMENTO STATE COL, 55-59, assoc. prof., 60-66, PROF., 66- Vis. prof., Univ. Malaya, 65-66; summer fel, inst. geront., Michigan, 59. Sig.C, U.S.A., 43-46. Psychol. Asn. Counseling psychology; counselor training; gerontology; methods of teaching psychology. Address: 3224 Northwood Rd, Sacramento, Calif. 95821.

MICHELSON, DR. L. C. b. Chicago, Ill, Aug. 25, 18; m. 42; c. 1. MANAGEMENT, BUSINESS ECONOMICS. Ph.B. DePaul, 39; M.E. Chicago Teachers Col, 41; Ph.D.(mgt. econ), Chicago, 48. Prof. indust. mgt., Purdue, 46-49; dir. mgt. serv. & asst. prof., Chicago, 49-53; mgt. consult, 53-58; DIR. PUB. AFFAIRS & ED. REPUB. STEEL CORP., 58- Consult, Ohio Ed. Network TV Cmn, 64-; Greater Cleveland Ed. TV Bd, 64- U.S.N.R. 42-46, Lt. Polit. Sci. Asn; Nat. Asn. Parliamentarians. Organization; administration; economics. Publ: Industrial inspection methods, Harper, 42; Basic economics, 60 & co-auth, Modern management methods, 67, World. Address: Republic Steel Corp, 1025 Republic Bldg, Cleveland, Ohio 44101.

MICHELSON, DR. JOSEPH WILLIAM, b. Chicago, Ill, Nov. 1, 36; m. 59; c. 2. ANTHROPOLOGY, ARCHAEOLOGY. B.A. California, Los Angeles, 58, M.A., 63, Ph.D.(anthrop), 65. ASST. PROF. ANTHROP, PA. STATE, 65- Pa. State res. grant, 65-66; Nat. Sci. Found. res. grant, 66-68; Pa. State Mus. & Hist. Cmn. res. grant, 66-68; Nat. Parks Serv. res. grant, 66-69; State of Calif. res. grant, summer, 63. U.S.A.R., 58-64, S/Sgt. AAAS; Anthropol. Asn; Soc. Am. Archaeol. Archaeology of social systems; cultural ecology; computer applications in archaeology; obsidian hydration dating. Publ: Dating methods in archaeology, Appleton, in press; Archaeology and dating by hydration of obsidian, *Science*, 67; co-auth, Archeological investigations of the sheep rock shelter site, Pennsylvania, Pa. State Univ, 67. Address: Dept. of Anthropology, Pennsylvania State University, University Park, Pa. 16802.

MICHELSON, PROF. KENNETH M(LFRED), Exp. Psychol, see 11th ed, Phys. & Biol. Vols.

MICHELSON, PROF. RUDOLF K(ARL), b. Wermelskirchen, Germany, Mar. 4, 01; nat; m. 29; c. 5. ECONOMICS, FINANCE. Dr. Jurisp, Cologne, 23; A.M. Columbia, 27, Ph.D., 28; LL.B. St. Lawrence, 41. Asst. Columbia, 26-27; instr, St. Louis, 27-28; ECON, HUNTER COL, 28-34, asst. prof., 35, assoc. prof., 35-43, chmn. dept., 38-41, 44-47, 50-56, PROF., 44- Summer vis. prof., Brooklyn Law Sch, 42. Partner, Michels, Stack & Horgan, Attorneys, 51-; chmn. bd. dirs, Melchior Eng. Corp., 59-61; trustee, Mercy Col.(N.Y.), 67- Econ. Asn; Acad. Polit. Sci. Social control of business; foreign trade; law. Publ: Cartels, combines and trust in post-war Germany, Columbia Univ, 28; co-auth, Economic problems of modern society, Ronald, 37; auth, Economic, basic principles and problems, Gregg, 37. Address: Dept. of Economics, Hunter College, New York, N.Y. 10021.

MICHELSON, DR. WILLIAM M, b. Trenton, N.J., Jan. 26, 40; m. 62; c. 2. SOCIOLOGY. A.B. Princeton, 61; M.A. Harvard, 63, Ph.D.(sociol), 65. Instr. sociol, Princeton, 64-65, asst. prof., 65-66; ASST. PROF. SOCIOL, TORONTO & ED. PLANNING. ONT. INST. STUDIES IN ED., 66-68, ASSOC. PROF., 68- Vis. prof., California, Berkeley, summer, 66. Consult, community ment. health proj., Clarke Inst. Psychiat, Toronto, 66-; consult. ed. Sociol. Inquiry, 67- Mem. cmt. exam. grad. record exam. sociol, Ed. Testing Serv, N.J., 68- Am. Sociol. Asn; Can. Sociol. & Anthropol. Asn. Urban sociology; human ecology; environmental studies; personality and social structure. Publ: An empirical analysis of urban environmental preferences, 10/66 & Urban sociology as an aid to urban physical development, 3/68, *J. Am. Inst. Planners*; Potential candidates for the designers paradise: a social analysis from a nationwide survey, *Soc. Forces*, 12/67. Address: 334 Sheldrake Blvd, Toronto 12, Ont, Can.

MICHENER, DR. DAVID P(AUL), b. Truro, Iowa, Mar. 24, 23; m. 44; c. 5. PSYCHIATRY. A.B. Antioch Col, 48; M.D. Harvard, 52; M.P.H. Hopkins, 61. Chief, neuropsychiat. serv., U.S. Pub. Health Serv. Hosp, San Francisco, Calif, 57-59; staff psychiatrist, Ment. Health Study Center, Nat. Inst. Ment. Health, Langley Park, Md, 59-61, ment. health prog. dir., regional off., Denver, Colo. 61-64; ASSOC. REGIONAL HEALTH DIR. REGIONAL OFF. U.S. PUB. HEALTH SERV. BOSTON, 64- Instr. Colorado, 61-64; res. assoc., Harvard Med. Sch, 64- Psychiat. Asn; Pub. Health Asn. Address: Regional Office, U.S. Public Health Service, John F. Kennedy Federal Bldg, Boston, Mass. 02203.

MICHL, PROF. H(ERMAN) E(DWARD), b. Cleveland, Ohio, Dec. 15, 07; m. 28; c. 5. INDUSTRIAL ECONOMICS. B.S. Pennsylvania, 29, Ph.D. (econ), 51. Invest. analyst, Guaranty Co. of N.Y., 29-30; instr. Pennsylvnia, 30-43; economist, Textile Export Asn, 43-49; Am. Can Co, 50-54; H. RODNEY SHARP PROF. ECON, DELAWARE, 54- Economist & secy, Paperbd. Inst, 33-35; lectr., Phila. Textile Inst, 36-54; economist, Cotton Textile Inst, 38-49. Government regulation; economics. Publ: Textile industries, an economic analysis; Economics of American industry. Address: Dept. of Economics, University of Delaware, Newark, Del. 19711.

MICHMAN, DR. RONALD D(AVID), b. Hartford, Conn. Oct. 31, 31; m. 55; c. 2. MARKETING. B.S. N.Y. Univ, 53, M.A., 57, Ed.D.(distributive ed), 66. Instr. retailing, Wilkes Col, 57-59; asst. prof. MKT, New Hampshire, 60-64; UTICA COL, 64-68, ASSOC. PROF., 68- Found. Econ. Ed. fel, summer 67. U.S.A., 54-56. Mkt. Asn. Union impact on marketing; market segmentation and product differentiation; marketing information systems. Publ: Marketing strategy: contemporary approaches, Heath, (in press); Union impact on retail management, *Bus. Horizons*, spring 67; A survey of unionization trends in department stores, *J. Retailing*, spring 67. Address: Dept. of Marketing, Syracuse University Utica College, Utica, N.Y. 13502.

MICK, DR. R(OGER) M, b. Evanston, Ill, Oct. 23, 25; m. 51; c. 1. PSYCHOLOGY. B.S. Northwestern, 49; M.A. Colorado, 51, Ph.D.(psychol), 55. Clin. psychol. trainee, Vet. Admin, 50-54; CLIN. PSYCHOLOGIST, Vet. Admin. Westside Hosp, Chicago, 55-60; ment. health clin. Rockford, 60-61; Student Counseling Serv, Illinois, Chicago, 61-63; MARRIAGE & FAMILY COUNSELING ASSOC., 65- Private practice, 63- U.S.N., 44-46. AAAS; Group Psychother. Asn; Psychol. Asn. Individual and group psychotherapy. Address: 319 N. Plum Grove Rd, Palatine, Ill. 60067.

MICKELSON, DR. HOWARD I(MMANUEL), b. Sleepy Eye, Minn, Apr. 16, 17; m. 48; c. 2. SOCIAL SCIENCE. B.A. Dana Col.(Nebr), 40; M.A. Colo. State Col, 48, Ph.D.(personnel work, psychol), 67. Teacher, high sch, Nebr., 40-42, prin. & teacher, 46-50; assoc. prof. ed, Nebr. State Teachers Col, Chadron, 50-57; ASSOC. PROF. PSYCHOL, GUSTAVUS ADOLPHUS COL, 57-; asst. dean students, 57-66. Summer vis. prof., South Dakota, 61, dept. psychol, Wartburg Col, 62, dept. ed, Adams State Col, 63. U.S.A.F., 42-46, Res, 46-57, 1st Lt. Personnel & Guid. Asn. Psychology; counseling and guidance; personnel work and educational administration. Address: Dept. of Psychology, Gustavus Adolphus College, St. Peter, Minn. 56082.

MICKEY, PROF. CARROL M(ILTON), b. Nashville, Tenn, Apr. 20, 16; m. 39. SOCIOLOGY. A.B. Kansas, 36, M.A., 41; Ph.D.(sociol), Iowa, 48. Asst. prof. SOCIOL, Iowa, 48-56; PROF. & CHMN. DEPT. SOUTH DAKOTA, 56- Prin. investr, Inst. geront, Mt. Angel Col, 61- U.S.A., 43-48. Sociol. Asn.

Geront. Soc. Sociological theory; social psychology and gerontology. Address: Dept. of Sociology, University of South Dakota, Vermillion, S.Dak. 57069.

MICKEY, DR. M(AX) R(AY), JR, Statist, see 11th ed, Phys. & Biol. Vols. & Suppl. IV.

MICKIEWICZ, DR. ELLEN, b. Hartford, Conn, Nov. 6, 38; m. 63. POLITICAL SCIENCE. B.A. Wellesley Col, 60; Ford Found. fel, Yale, 62-65, Ph.D. (polit. sci), 65. Lectr. POLIT. SCI, Yale, 65-67; ASST. PROF, MICH. STATE, 67- Polit. Sci. Asn; Asn. Adv. Slavic Studies. Political socialization and political development in the Soviet Union; sources and directions of political change in the communist world. Publ: Soviet political schools, Yale, 67. Address: Dept. of Political Science, Michigan State University, East Lansing, Mich. 48823.

MICKLER, DR. J(ACOB) ERNEST, b. Florida, Ala, Nov. 8, 26; m. 49; c. 3. COUNSELING & EDUCATIONAL PSYCHOLOGY. A.B. Samford, 47; M.Ed. Chattanooga, 60; fel, Alabama, 62, Ed.D.(counseling psychol), 63. Dir. guid. center, Miss. Col, 63-64; DIR. TEST SERV, ALABAMA, 64- Ed. consult, sch. nursing, Druid City Hosp, 66-68. Psychol. Asn; Personnel & Guid. Asn. Course placement and the evaluation of academic achievement of college students. Address: 163 Woodland Hills, Tuscaloosa, Ala. 35401.

MICKLIN, DR. MICHAEL, b. Port Orchard, Wash, Dec. 11, 36; m. 55; c. 4. SOCIOLOGY, DEMOGRAPHY. B.A. West. Wash. State Col, 61; M.A. Mich. State, 62; Nat. Inst. Ment. Health fel, Texas, 62-64, Ph.D.(sociol), 66. Instr. SOCIOL, TULANE, 65-66, ASST. PROF, 66- Vis. res. demographer, California, Berkeley, 68-69; Nat. Insts. Health. fel, 68-69; Int. Center Med. Res. & Training res. grant. soc. psychiatrist, 68-69. Sociol. Asn; Anthropol. Asn; Pop. Asn. Am. Population studies; sociological theory; social psychiatry; urban anthropology; sociolinguistics; social stratification; philosophy of social science. Publ: Co-auth, The Hindu joint family: the norms and the numbers, Pac. Affairs, 66-67; auth, Methodological problems in the anthropological study of cities, Proc. South. Anthropol. Soc, 68. Address: Dept. of Sociology, Tulane University, New Orleans, La. 70118.

MIDDLEBUSH, DR. FREDERICK A(RNOLD), b. Grand Rapids, Mich, Oct. 13, 90. POLITICAL SCIENCE. A.B. Michigan, 13, A.M. 14, Ph.D. 16; LL.D. Knox Col, 37, Hope Col, 37, Washington (St. Louis), 44, Michigan, 53. Instr. hist. & polit. sci, Knox Col, 15-16, asst. prof, 16-17, prof, 18-22; assoc. prof. polit. sci. & pub. law, MISSOURI, 22-23, prof. polit. sci, 23-54, acting dean sch. bus. & pub. admin, 25-26, dean, 26-35, acting pres. univ, 31, 34-35, pres, 35-54, EMER. PRES. & EMER. DIR. DEVELOP. FUND, 54- Researcher, London, The Hague, & Paris, 20-21, Geneva, 31-32. Trustee, Carnegie Found, 37-55; trustee & mem. bd. gov, Midwest Res. Inst, 44- Mem. bd. Nat. Sci. Found, 50-62. Polit. Sci. Asn; Soc. Int. Law. Public law; university administration; international relations. Address: University of Missouri, Columbia, Mo. 65201.

MIDDLETON, PROF. JOHN F. M, b. London, Eng, May 22, 21; m. c. 2. ANTHROPOLOGY. B.A. London, 41; B.Sc. Oxford, 49, D. Phil.(anthrop), 53. Lectr. ANTHROP, London, 53-54, 56-63; sr. lectr, Cape Town, 54-56; PROF, Northwestern, 63-66; N.Y. UNIV, 66- Royal Anthropol. Inst. Gt. Brit. & Ireland. Social anthropology, especially of Africa; religion and politics. Publ: Lugbara religion, OUP, London, 60; Land tenure in Zanzibar, H.M. Stationery Off, London, 61; The lugbara of Uganda, Holt, 65. Address: Dept. of Anthropology, New York University, New York, N.Y. 10003.

MIDDLETON, DR. KENNETH A(LIAN), b. Salina, Kans, Feb. 22, 16. STATISTICS. Univ. fel, Columbia, 41-42, Ph.D.(statist), 54. Asst. prof. statist, Temple, 47-55; chief statistician & v-pres, Alderson Assocs, Inc, 55-60; dir. res, BEHAV. SYSTS, INC, 61-64, PRES, 64- Statist. Asn; Mkt. Asn. Statistical inference and sampling; estimation of unemployment; productivity measurement; marketing. Publ: Collab, Wartime productivity developments. Address: Behavior Systems, Inc, 3625 Walnut St, Philadelphia, Pa. 19104.

MIDDLETON, PROF. RUSSELL, b. Amarillo, Tex, Nov. 10, 30; m. 52; c. 3. SOCIOLOGY. B.A. North Texas State, 51, M.A. 52; Minnesota, 51; Ph.D. (sociol), Texas, 56. Fulbright scholar, Oxford, 55-56; asst. prof. SOCIOL, Kansas State, 56-57; Fla. State, 57-61, assoc. prof, 61-63; PROF, WISCONSIN, 63-, CHMN. DEPT, 65- Nat. Sci. Found. fel, California, Los Angeles, 62-63; summer instr, North Texas State, 53. Sociol. Asn; Soc. Study Social Probs. Minority groups; family; value and belief systems. Publ: Co-auth, Ethical relativism and anomia, Am. J. Sociol, Vol. 67, 430-38, 1/62; auth, Brother-sister and father-daughter marriage in ancient Egypt, Vol. 27, 603-11, 10/62 & Alienation, race, and education, Vol. 28, 975-77, 12/63, Am. Sociol. Rev. Address: Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.

MIDDLETON, DR. WARREN C(ANDLER), b. Mokane, Mo, Mar. 13, 01; m. 34; c. 1. PSYCHOLOGY. A.B. Cent. Col.(Mo), 23; A.M. Vanderbilt, 24; Ph.D. (ed. psychol), Yale, 29. Asst. prof. PSYCHOL, DePauw, 29-32, assoc. prof, 32-36, prof, 36-52; staff assoc, AM. ASN. UNIV. PROFS, 52-65, ASSOC. SECY, 65-, ED, BULLETIN, 66- Psychol. Asn. Social and economic attitudes; expressive movements; voice. Address: American Association of University Professors, 1785 Massachusetts Ave. N.W., Washington, D.C. 20036.

MIDDLETON, DR. WILBUR C(ATTLE), b. Baudette, Minn, Sept. 18, 22; m. 61. EXPERIMENTAL PSYCHOLOGY. A.B. California, Los Angeles, 49, fel, 53-54, Ph.D.(exp. & physiol. psychol, statist), 60. Asst. exp. psychol, California, Los Angeles, 52-53, jr. res. psychologist, dept. eng, 54-55, asst. res. psychologist, 55-57, assoc. res. psychologist, 57-60; eng. res. engr, Los Angeles Div, N.Am. Rockwell Corp, 60-62, res. specialist, space & info. systs. div, 62-65; U.S.A.A.F. 43-45. Psychol. Asn; Human Factors Soc; Aerospace Med. Asn. Human factors engineering; human performance in space; experimental design. Publ: Co-auth, Evaluation of filters for removing irritants from polluted air, Heating, Piping, and Air Conditioning J, 11/58; Operational factors in target recognition, N.Am. Aviation, 4/64; Re-

entry simulation on a short-radius centrifuge, Douglas Paper No. 4271, 4/67. Address: 5527 Veronica St, Los Angeles, Calif. 90008.

MIDGLEY, DR. LOUIS C(ASPER), b. Salt Lake City, Utah, Mar. 12, 31; m. 55; c. 3. POLITICAL SCIENCE. B.S. Utah, 54, M.S. 57; Ph.D.(polit. sci), Brown, 64. Instr. POLIT. SCI, Weber Col, 57-58; BRIGHAM YOUNG, 60-61, asst. prof, 63-65, ASSOC. PROF, 65- U.S.A. 54-56. Contemporary political philosophy, especially the relationship of theological positions and political philosophy; empirical political theory; political sociology or systems theory. Publ: Paul Tillich's new science of values, 62 & Ultimate concern and politics, 67, West. Polit. Quart; Religion and ultimate concern, Dialogue, 66. Address: Dept. of Political Science, Brigham Young University, Provo, Utah 84601.

MIECZKOWSKI, DR. BOGDAN, b. Poland, Nov. 8, 24; U.S. citizen; m. 61; c. 2. ECONOMICS. B.Sc. London, 50; M.A. Illinois, 53, Ph.D.(econ), 54. From instr. to asst. prof. ECON, Vermont, 54-57; res. assoc, Columbia, 58-62; asst. prof, Boston Col, 62-65; ASSOC. PROF, ITHACA COL, 65- Fel, Seminar on Japan, Col. Center of the Finger Lakes, 66-67. Summers, Econ-in-action fel, Case, 56, Soc. Sci. Res. Coun. fel, bd. gov, Fed. Reserve Syst, 57, Col. Center of the Finger Lakes res. fel, 66, fel, seminar contemporary econ, Univ. Virginia, 67, fel, seminar appl. econ, Univ. Chicago, 67. Polish Resistance, 41-44, Free Polish Forces, 45-47, Cadet Officer. Econ. Asn. Comparative economic systems; international economics; economic development; area specialization in eastern Europe and Japan. Publ: Co-auth, Poland, Prager, 57 & Polish national income and product in 1954, 1955 and 1956, Columbia, 65; auth, The unstable Soviet-bloc economies, East Europe, 10/67. Address: Dept. of Economics, Ithaca College, Ithaca, N.Y. 14850.

MIECZKOWSKI, DR. ZBIGNIEW, b. Bydgoszcz, Poland, Jan. 28, 23; U.S. citizen; m. 62. GEOGRAPHY. M.A. Sch. Econ, Warsaw, 47; Ph.D.(econ. geog), Moscow State Univ, 54; Ph.D.(geog), Vienna, 61. Teaching asst. econ. geog, Sch. Econ, Warsaw, 46-48; asst. prof. regional geog, inst. geog, Univ. Warsaw, 54-57; GEOG, MANITOBA, 62-66, ASSOC. PROF, 66- Can. Asn. Geog. Soviet economic regionalization; geography of tourism. Address: Dept. of Geography, University of Manitoba, Winnipeg 19, Man, Can.

MIELE, DR. JOHN ANTHONY, Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

MIELKE, DR. PAUL W, JR, Statist, Math, see 11th ed, Phys. & Biol. Vols.

MIERNYK, PROF. W(ILLIAM) H(ENRY), b. Durango, Colo, Jan. 4, 18; m. 42; c. 4. ECONOMICS. B.A. Colorado, 46, M.A. 47; Ph.D.(econ), Harvard, 53. Staff economist, N.Eng. Cmt. Nat. Planning Asn, 51-52; asst. prof. econ, Northeastern, 52-53, assoc. prof, 53-56, prof, 56-62, dir. bur. bus. & econ. res, 53-62; prof. econ. & dir. bur. econ. res, Colorado, 62-65; PROF. ECON. & DIR. REGIONAL RES. INST, WEST VIRGINIA, 65- Vis. prof, Mass. Inst. Tech, 57-58. Mem. res. submt, Nat. Manpower Adv. Cmt, 63-; econ. adv. bd, U.S. Dept. Commerce, 66-67. U.S.A. 41-45. Econ. Asn; Indust. Rels. Res. Asn; Regional Sci. Asn. Location and regional economic development; labor economics. Publ: Trade unions in the age of affluence, 62 & The elements of input-output analysis, 65, Random; Economics of labor and collective bargaining, Heath, 65. Address: Regional Research Institute, West Virginia University, Morgantown, W.Va. 26506.

MIERZWA, DR. JOHN A, b. Hanover Twp, Pa, Aug. 27, 32; m. 61; c. 2. COUNSELING PSYCHOLOGY, EDUCATION. B.S. Ohio, 54, M.A. 55; Ed.M. Harvard, 58, Ed.D.(counseling psychol), 61. Asst. human rels, Ohio, 54-55; teaching fel, statist, Harvard, 60-61; counseling psychologist, Texas, 61-64, asst. prof. ed. psychol, 62-64, coordinator counseling, 63-64; lectr. psychol, California, Santa Barbara, 64; asst. prof. COUNSELING PSYCHOL, Pennsylvania, 64-66; ASSOC. PROF, LEHIGH, 66- Consult, Vet. Admin, 62-65; regional coordinator, Proj. Talent, 64-68; mem. nat. cmt. drug ed, U.S. Food & Drug Admin, 65-67. U.S.A.F. 55-57, 2nd Lt. AAAS; Psychol. Asn; Personnel & Guid. Asn; Ed. Res. Asn. Personality as related to career development, especially scientific careers; training and education of counseling psychologist, school psychologists and guidance counselors. Publ: Co-auth, The Rorschach in the study of personality of occupations, J. Proj. Tech, 60; auth, Comparison of systems of data for predicting career choice, Personnel & Guid. J, 63. Address: 1430 Dartmouth Dr, Bethlehem, Pa. 18017.

MIESZKOWSKI, DR. PETER MICHAEL, b. Pelplin, Poland, July 5, 36; Can. citizen; m. 63. ECONOMICS. B.Sc. McGill, 57, M.A. 59; Ph.D.(econ), Hopkins, 63. Asst. prof. ECON, YALE, 62-67, ASSOC. PROF, 67- Fel, Chicago, 64-65. Consult, U.S. Treas, 67. Public finance; general equilibrium models of tax incidence; incidence of the corporation income tax; income maintenance problems; international economics, especially public finance aspects. Publ: The comparative efficiency of tariffs and other tax-subsidy schemes as means of obtaining revenue or protecting domestic production, 66 & On the theory of tax incidence, 67, J. Polit. Econ; co-auth, Is the negative income tax practical?, Yale Law J, 10/67. Address: Dept. of Economics, Yale University, New Haven, Conn. 06520.

MIGHELL, DR. RONALD L(ESTER), b. Cherokee Co, Iowa, Jan. 13, 02; m. 28; c. 3. AGRICULTURAL ECONOMICS. B.S. Iowa State, 25; M.S. Minnesota, 26; Soc. Sci. Res. Coun. fel, Harvard, 31-32, Ph.D.(econ), 50. Asst. res. prof. farm mgt, Massachusetts, 27-35; land use planning specialist, Resettlement Admin, 35-36; AGR. ECONOMIST, U.S. Bur. Agr. Econ, 36-53; agr. res. serv, U.S. DEPT. AGR, 53-61, ECON. RES. SERV, 61- Superior serv. award, U.S. Dept. Agr, 64. Am. Agr. Econ. Asn; Econ. Asn; Int. Asn. Agr. Econ. Interregional competition; production economics; vertical coordination in agriculture. Publ: American agriculture, its structure and place in the economy; co-auth, Interregional competition in agriculture. Address: Economic Research Service, U.S. Dept. of Agriculture, Washington, D.C. 20250.

MIHANOVICH, PROF. CLEMENT S(IMON), b. St. Louis, Mo, Apr. 3, 13; m. 42; c. 4. SOCIOLOGY. B.S. St. Louis, 35, A.M. 36, fel, 36-38, Ph.D. 39; Cologne, 38. Instr. SOCIOL, ST. LOUIS, 38-42, exec. secy. dept, 40-46, asst. prof, 42-45, assoc. prof, 45-47, PROF, 47-, dir. dept. sociol. & anthrop, 46-64. Consult, St. Louis Police Dept, 57- Dir. Conf. Mid. East

Studies, 61, Seminar on Israel, 62. Fel. Am. Sociol. Asn; Pop. Asn; German Soc. Sociol; Int. Sociol. Asn. Sociological theory and problems; population. Publ: Current social problems; Principles of juvenile delinquency, Bruce, 50; Social theorists. Address: Dept. of Sociology & Anthropology, St. Louis University, St. Louis, Mo. 63103.

MIKAELIAN, DR. HARUTUNE HOVANES, b. Aleppo, Syria, Nov. 2, 34; U.S. citizen; m. 57; c. 1. EXPERIMENTAL PSYCHOLOGY. B.Sc., Boston Col, 58; Nat. Insts. Health grant, Brandeis, 64-65, Ph.D.(psychol), 65. Instr. PSYCHOL, Bowdoin Col, 62-64, ASST. PROF, 64-66; CONN. COL, 66- Nat. Insts. Health res. grants, 65-66 & 66-67. Consult, Off. Naval Res, 67-68. AAAS; Psychol. Asn. Vision and visual space perception; auditory space perception; communication. Publ: Two types of adaptation to an optically rotated visual field, Am. J. Psychol, 77: 257-263; co-auth, Motor-sensory feedback vs. need in adaptation to rearrangement, Perceptual & Motor Skills, 18: 605-688; auth, Relation between adaptation to rearrangement and the source of motor sensory feedback, Psychonomic Sci, 67. Address: Dept. of Psychology, Connecticut College, New London, Conn. 06320.

MIKESELL, PROF. MARVIN W(RAY), b. Kansas City, Mo, June 16, 29; m. 57. GEOGRAPHY. B.A., California, Los Angeles, 52, M.A., 53, Ph.D., Berkeley, 59; Ford Found. fel, Africa, 55-57. From instr. to PROF. GEOG, CHICAGO, 58- Asn. Am. Geog.(ed, Monogr. Series, 66-); Anthropol. Asn; Am. Geog. Soc. Cultural and historical geography, especially of northwestern Africa. Publ: Readings in cultural geography; Northern Morocco: a cultural geography. Address: Dept. of Geography, University of Chicago, Chicago, Ill. 60637.

MIKESELL, PROF. RAYMOND F(RECH), b. Eaton, Ohio, Feb. 13, 13; m. c. 2. INTERNATIONAL ECONOMICS, ECONOMIC DEVELOPMENT. B.A. & M.A., Ohio State, 35, Ph.D., 39. Asst. prof. econ, Washington (Seattle), 37-41; economist, Off. Price Admin, 41-42; U.S. Dept. Treas, 42-46; prof. ECON, Virginia, 46-57; W.E. MINER PROF, OREGON, 57-, assoc. dir. inst. int. studies & overseas admin, 58-66. Mem. faculty, Nat. War Col, 53. Consult, U.S. Dept. State, 47-53, Berle Latin Am. Task Force, 61; consult. to spec. asst. to President, White House Staff, 50, President's Mat. Policy Cmn, 51; Pan Am. Union, 54-63; U.S. Treas. Dept, 65-; Agency Int. Develop, 66-; Senate Cmt. For. Rels, 67. Mem. staff, President's For. Econ. Policy Cmn, 54; sr. staff, coun. econ. adv. Exec. Off. President, 55-56; econ. cmn. for Latin Am, UN, 58; adv. cmt. U.S. Coun. Int. Chamber Commerce, 60. Econ. Asn; Soc. Econ. Develop; Soc. Int. Develop; Int. Studies Asn. International trade and finance; foreign economic policy; economic growth and development; Latin American economics. Publ: U.S. private and government investment abroad; Foreign exchange in the postwar world; Economics of foreign aid, Aldine, 3/68. Address: Dept. of Economics, University of Oregon, Eugene, Ore. 97403.

MIKESELL, PROF. WILLIAM H(ENRY), Psychol, see 10th ed, Soc. & Behav. Vols.

MIKHAIL, DR. ANIS AMIN, b. Cairo, Egypt, Jan. 27, 26; m. 63. PSYCHOLOGY, PHYSIOLOGY. B.Sc., London, 61, M.Sc., 64, Ph.D.(psychol), 66. ASST. PROF. PSYCHOL, MANITOBA, 66- Nat. Res. Coun. Can. res. grant, 67- AAAS; Can. Psychol. Asn; Am. Psychol. Asn. Causation, effects, treatment, and measurement of anxiety and stress. Publ: A simplified method of inducing stomach ulcers, 66 & Evaluating and photographing experimentally induced stomach ulcers, 66, J. Psychosom. Res. Address: Dept. of Psychology, University of Manitoba, Winnipeg, Man, Can.

MIKI, DR. ROBERT T(OSHIO), b. Honolulu, Hawaii, Sept. 21, 30. ECONOMIC. B.B.A., Hawaii, 52; M.A., Illinois, 54, Ph.D., 57. Asst. econ, Hawaii, 52-53; Minnesota, 54, instr., 55-56; Williams Col, 57-59, asst. prof, 60-63; economist, area redevelopment, admin, U.S. DEPT. COMMERCE, 63-65, spec. asst. to dep. asst. secy. econ. develop, 65-66, dep. dir., Off. Econ. Res, 66-67, SR. ECONOMIST, OFF. ASST. SECY. ECON. AFFAIRS, 67- Mem. staff, Ford Found. Seminar New Develop. Bus. Econ, 59-62; Ford Found. pub. affairs res. grant, 60; guest prof, Inst. Int. Ed, 62; prof, grad. dept. econ, Georgetown, 65- Consult, Accelerated Pub. Works Prog, U.S. Dept. Commerce, 63, Northeast Corridor Proj, 64. Econ. Asn; Economet. Soc; Regional Sci. Asn. Economic statistics; quantitative, regional and labor economics; United States economic growth; economic growth and stability of Hawaii; regional economic development in Spain. Address: 4701 Willard Ave, Apt. 619, Chevy Chase, Md. 20015.

MIKOLIC, DR. STANISLAV-ADOLF, b. Brod, Yugoslavia, Nov. 12, 21; m. 58; c. 1. POLITICAL SCIENCE, SOCIOLOGY. Ljubljana, 42-43; Ph.D.(polit. sci), Padua, 47; cert. Soc. Inst. Leo XIII, Spain, 55. Res. fel. sociol, Balmeis Inst. Sociol. & instr. soc. sci, Menendez Pelayo Col, Univ. Madrid, 53-57; instr. sociol, St. Joseph Col.(Conn), 57-58, asst. prof. SOCIOL. & POLIT. SCI, 58-64; ASSOC. PROF, SACRED HEART, 64- Adj. asst. prof, Hartford, 60-; vis. prof, West. Wash. State Col, summer, 64; lectr. Bridgeport, 66. Sociol. Asn; Polit. Sci. Asn; Hist. Asn. Vocational representations in French constitutions; religion in America. Publ: Contemporary stage of sociology, Vrednote Sci. Mag. Address: Dept. of Social Sciences, Sacred Heart University, Bridgeport, Conn. 06604.

MIKULSKI, DR. PIOTR W, Statist, see 11th ed, Phys. & Biol. Vols.

MILAM, DR. JAMES R(OBERT), b. Quilcene, Wash, Mar. 3, 22; m. 47; c. 1. PSYCHOLOGY. B.S., Washington (Seattle), 49, M.S., 52, Ph.D., 59. Trainee clin. psychol, Vet. Admin, 51-55; dir. mgmt. develop, AERO-SPACE DIV, BOEING CO, 55-59, CONSULT. PSYCHOL, 59. Assoc. res. dir, Enzomedic Labs, Seattle, Wash, 66-68. U.S.A.A.F. 41-45, 1st Lt. Psychol. Asn. Individual and group behavior in large organizations; alcoholism research and treatment. Publ: Examiner influences on thematic apperception test stories, J. Proj. Tech. Address: 19210 Densmore N, Seattle, Wash. 98133.

MILAM, DR. (CARL) MAX, b. Cecil, Ark, July 13, 30; m. 48; c. 3. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A., Oklahoma Baptist, 54; M.A., Oklahoma, 58, Ph.D.(polit. sci), 62. Asst. prod. mgr, Phillips & Van Orden, Inc, Calif, 56-58; from instr. to asst. prof. POLIT. SCI, Cent. State Col. (Okla), 58-61; asst. prof, Kentucky, 61-66; ASSOC. PROF. & CHMN.

DEPT, ARKANSAS, 66- U.S. Pub. Health Serv. proj. grant, 67-68; Ky. Res. Found. fel, summer 65. Prog. chmn. theory, Midwest Conf. Polit. Sci, 64. Polit. Sci. Asn; Soc. Pub. Admin. History of political thought, especially the nature and backgrounds of seventeenth century political thought; administration organization and behavior; influence of reformed theology on the development of early modern political thought; organization of public health planning in Arkansas. Publ: The problem of tertiary succession, Rev. Govt, 65; The epistemological basis of Locke's idea of property, West. Polit. Quart, 3/67. Address: Dept. of Political Science, University of Arkansas, Fayetteville, Ark. 72701.

MILAM, DEAN PAUL W, Bus. Admin, see 10th ed, Soc. & Behav. Vols.

MILBRATH, DR. LESTER W(ALTER), b. Bertha, Minn, Oct. 29, 25; m. 52; c. 1. POLITICAL SCIENCE. B.A., Minnesota, 51, M.A., 52; Ph.D.(polit. sci), North Carolina, 56. Instr. polit. sci, North Carolina, 55-56; res. fel. gov. studies, Brookings Inst, 56-57; instr. & res. assoc. polit. sci, Duke, 57-58; asst. prof, Northwestern, 58-63, assoc. prof, 63-66, co-dir. polit. behav. prog, 58-66; PROF. POLIT. SCI, STATE UNIV. N.Y. BUFFALO, 66- Soc. Sci. Res. Coun. summer fel, Michigan, 58; Fulbright sr. res. scholar, Inst. Soc. Res, Norway, 61-62. Ed. Comp. Polit. Behav. series, D.C. Heath & Co, 67- U.S.N., 45-46. Polit. Sci. Asn. Political behavior, parties and socialization; lobbyists. Publ: The Washington lobbyists, 63 & Political participation, 65, Rand McNally; Lobbying as a communication process, Pub. Opinion Quart. Address: Dept. of Political Science, State University of New York at Buffalo, Buffalo, N.Y. 14226.

MILBURN, DR. JOSEPHINE F(ISH), b. Lynchburg, Va, Apr. 26, 28; m. 55. POLITICAL SCIENCE. B.A., North Carolina, 48; M.A., La. State, 49; scholar, Duke, 51-53, grant, 55, Ph.D., 56; Fulbright fel, New Zealand, 54-55. Dean women, Va. Internat. Col, 49-51; asst. Duke, 53-54; instr, Chicago Jr. Col, 56-57; SIMMONS COL, 57-61, asst. prof. GOVT, 61-66, ASSOC. PROF, 66-, dir. women in polit. seminar, 68, ern, 61-, col. lib. arts, univ. col, 61-62; faculty fel, Nat. Center Ed. Polit, 63-64; vis. lectr, Brandeis, 63-64; Nat. Sci. Found. sci. faculty fel, Oxford Univ, 65-66. Summers, admin. asst. & participant, res. prog, studies center, Duke, 56, Am. Philos. Soc. res. grant, Eng. & Ghana, 66. Consult, Dept. of Transportation, 67. Asst. Governor of Mass, 63-64. Pub. mem. adv. cmt, Commonwealth Serv. Corps, Mass, 64- Fel. African Studies Asn; African Studies Asn. U.K.; Royal African Soc. British commonwealth governments; political parties; interest groups; comparative, American and Massachusetts governments. Publ: Governments in the commonwealth, Harper, 65; Trade unions in politics within the British Commonwealth, 6/64 & Trade unions in politics in Australia and New Zealand, 12/66, West. Polit. Quart. Address: 12 Monmouth Court, Brookline, Mass. 02146.

MILENKOVITCH, DR. MICHAEL M, b. Belgrade, Yugoslavia, June 15, 32; U.S. citizen; m. 60. POLITICAL SCIENCE. B.A., Ohio Wesleyan, 56; M.I.A., Columbia, 58, Ph.D.(int. affairs & Soviet area), 64. Instr. INT. RELS, U.S.S.R. & EAST EUROPE, Hunter Col, CITY UNIV. NEW YORK, 63-66, ASST. PROF, 66-68, LEHMAN COL, 68- Summer res. grants in humanities, Hunter Col, 66 & 67; Am. Philos. Soc. summer grant, 68. Polit. Sci. Asn; Asn. Adv. Slavic Studies. International relations, especially international communications; international communism; Eastern Europe; Soviet Union. Publ: The view from Red Square: a critique of cartoons from Pravda and Izvestia, 1947-1964, Hobbs, Dorman, 66. Address: 425 Riverside Dr, New York, N.Y. 10025.

MILES, PROF. ARTHUR P(ARKER), b. Princeton, Ill, Feb. 26, 11. SOCIOLOGY. A.B., Illinois, 33; A.M., Chicago, 36, Ph.D., 40. From case aide to county adminstr, State Emergency Relief Cmn, Ill, 33-36; instr. sociol, Missouri, 37-38; exten. instr. pub. welfare, La. State, 38-39; asst. prof. soc. econ, Tulane, 40-42; regional soc. statistician, Soc. Security Bd, 42-44; mem. faculty, WISCONSIN, MADISON, 44-46, PROF. SOC. WORK, 46-, chmn. dept, 46-52, secy. faculty div. soc. studies, 47-49, dir. sch. soc. work, 52-59. Res. consult, div. correction, State Dept. Pub. Welfare, Wis, 61- Sociol. Asn; Soc. Study Social Probs; Acad. Polit. & Soc. Sci; Pub. Welfare Asn. Public welfare and social security; American social work theory. Address: Observatory Hill Office Bldg, University of Wisconsin, Madison, Wis. 53706.

MILES, DR. CATHARINE COX, Psychol, see 10th ed, Soc. & Behav. Vols.

MILES, DR. DWIGHT WARREN, b. Canton, Ohio, Sept. 16, 05. PSYCHOLOGY. A.B., Western Reserve, 27; Ph.D.(psychol), Hopkins, 31. Clin. psychologist, New Lisbon Colony, N.J., 31-33; State Reformatory, 33-40; U.S. Pub. Health Serv. Hosp, Ky, 40-41; chief clin. psychologist, Vet. Admin. Hosps, Ohio, 45-47; ASSOC. PROF. PSYCHOL, CASE WESTERN RESERVE, 47- Consult, Vet. Admin, 48- U.S.N., 41-45, Lt. Comdr. Fel. Psychol. Asn. Personality theory; psychopathology. Publ: Import for clinical psychology of the use of tests derived from theories about infantile sexuality and adult personality, Genetic Psychol. Monogr; Efficiency of a high speed screening procedure in detecting the neuropsychiatrically unfit at a U.S. Marine Corps recruit training depot, J. Psychol; Preferred rates in rhythmic response, J. Gen. Psychol. Address: Dept. of Psychology, Case Western Reserve University, Cleveland, Ohio 44106.

MILES, PROF. EDWARD JERVIS, b. London, Ont, Mar. 6, 26; nat; m. 55; c. 1. GEOGRAPHY. B.A., Western Ontario, 48; M.A., Syracuse, 50, Ph.D.(geog), 58. Instr. geog. & econ, Concord Col, 50-51; geog. & phys. sci, Florida, 51-52; geog. & econ, Maryland, 52-55; asst. instr. citizenship, Syracuse, 55-56; geog, 56-57; asst. prof. geog. & geol, Valparaiso, 58-62; assoc. prof. GEOG, VERMONT, 62-67, PROF, 67-, DIR. CAN. STUDIES PROG, 65-, CHMN. DEPT. GEOG, 66- Summers, instr, Virginia, 52, Syracuse, 58, vis. instr, Manitoba, 59, vis. prof, British Columbia, 61, Nat. Sci. Found. fcls, 62. Consult, High Sch. Geog. Proj, 66-67; inst. ed. develop, Vt. Comprehensive Higher Ed. Surv, 67- AAAS; Am. Geog. Soc; Asn. Am. Geog; Nat. Coun. Geog. Ed; fel. African Studies Asn; Can. Asn. Geog. Political geography; problems of viability for new nation-states; regional geography of Africa; Canada. Publ: A study of Vermont in maps, Univ. Vermont, 63. Address: Dept. of Geography, 112 Old Mill Bldg, University of Vermont, Burlington, Vt. 05401.

- MILES, DR. ELIJAH W, b. Hearne, Tex, May 4, 34; m. 58; c. 2. POLITICAL SCIENCE. A.B. Prairie View Agr. & Mech. Col, 55; M.A., Indiana, 60, John Hay Whitney & univ. fels. & Ph.D.(govt), 62. Assoc. prof. POLIT. SCI, Prairie View Agr. & Mech. Col, 62-65; vis. faculty scholar, North Carolina, 65-66; ASST. PROF., SAN DIEGO STATE COL, 66- Summers, Nat. Sci. Found. res. grant, summer inst. math. appln. polit. sci, Southern Methodist, 64, vis. assoc. prof, Indiana, 66. Mem. adv. panel, Calif. State Bd. Ed, 66-67. Distinguished Teaching award, San Diego State College, 67-68. U.S.A. 55-57, 1st Lt. Polit. Sci. Asn. American constitutional law and the judicial process. Address: Dept. of Political Science, San Diego State College, San Diego, Calif. 92115.
- MILES, DR. FRANK F(RODSHAM), b. Ogden, Utah, Apr. 6, 14; m. 38; c. 3. SOCIOLOGY. B.A., Washington (Seattle), 35, M.S.W., 50, Ph.D., 52. Wardens asst, U.S. Bur. Prisons, 39-43; field dir. & personnel asst, Am. Nat. Red Cross, 43-46; from asst. prof. to assoc. prof., Bowling Green State, 53-62; RES. COORDINATOR SOC. WORK, PORTLAND STATE COL, 62- Dir. Migrant Labor Proj, Univ. Oregon, 65-66; Consult. Assoc., 67- Consult, Govt. Guam, summers, 65-68. AAAS; Statist. Asn; Nat. Coun. Family Rels; Sociol. Asn. Social pathology; social work. Publ: Co-auth, Field manual for the student in elementary sociology; auth, Oxbow in retrospect, Metrop. Youth Cmn, 65; Female delinquency on Guam, Govt. Guam, 65. Address: Portland State College, Portland, Ore. 97207.
- MILES, DR. GUY H, b. Newbury, Vt, Apr. 19, 24. PSYCHOLOGY. B.A. Iowa, 54, Nat. Inst. Ment. Health fel, 55-57, M.A., 56, Ph.D.(psychol), 57. Pres, Midwest. Film Labs, 46-54; instr. psychol, Minnesota, 57-58; asst. prof, 58-60; pres, Electro-Med, Inc, 60-62; staff psychologist, Vet. Admin, 62-63; DIR. RES. IN PSYCHOL, N-STAR RES. & DEVELOP. INST, 63- U.S.A. 43-46, T/Sgt. Psychol. Asn. Learning theory; reactions to stress; industrial psychology; manpower problems; psychotherapy; human learning. Publ: Co-auth, A test of tendency to analyze for use with college men, Proc. Iowa Acad. Sci, 57; auth, Achievement drive and habitual modes of task approach as factors in skill transfer, J. Exp. Psychol, 58 & Telemetering techniques for periodicity studies, Annals N.Y. Acad. Sci, 10/62. Address: North Star Research & Development Institute, 3100 38th Ave. South, Minneapolis, Minn. 55406.
- MILES, PROF. HERBERT J(ACKSON), b. Clarence, Mo, July 7, 07; m. 32; c. 1. SOCIOLOGY. B.A. Westminster Col.(Mo), 32; M.A., Baylor, 49; Ph.D. (sociol, philos), Missouri, 53. Instr. sociol. & philos, Baylor, 48-49; Oklahoma Baptist, 50-53; PROF. SOCIOL, CARSON-NEWMAN COL, 53-, Jones faculty lect, 66. Group leader, South. Baptist Family Life Conf, 63, lectr, E.Tenn. Baptist Pastors' Conf, 64. Sociol. Asn; Asn. Marriage Counsr. Marriage and family life; social theory. Publ: Marriage ceremony trends, 4/63 & Honey-moon trends, 12/66, Family Life; Sexual happiness in marriage, Zondervan, 3/67. Address: 713 S. Branner Ave, Jefferson City, Tenn. 37760.
- MILES, DR. JAMES F(RANKLIN), b. Columbia, S.C, June 10, 13; m. 50. AGRICULTURAL ECONOMICS. A.B. South Carolina, 38, M.A., 39; summer, North Carolina, 38; Columbia, 45; Ph.D., Cornell, 51. Teacher, high sch, 38-41; in charge reports & accounts, State Dept. Ed, S.C., 41-42; reports sect, U.S. Dept. Agr, Atlanta, Ga, 42-43; ASSOC. AGR. ECONOMIST, Fed. Exten. Serv, Wash, D.C., 43-47; CLEMSON, 47-; S.C. EXP. STA., 47- Res. fel, Case, 53. Agr. mkt. consult, Ministry of Agr, El Salvador, Cent. Am, 61. Dir. bd. trustees, S.C. Opportunity Sch. & Pickens County Farm Bur. From founder to pres. & mem. bd. dirs, Found. Hist. Restoration in Pendleton Area, 65-, founder & mem. bd. dirs, Old Pendleton Dist. Hist. & Recreational Cmn, 66-70; v.chmn. & mem. exec. cmt. South. Regional Poultry Mkt. Tech. Cmt, 66. Agr. Econ. Asn; Dairy Asn. Breeding of hemerocallis, especially developing single blossom species into double blossom ones; South Carolina and Southern Regional egg marketing research. Publ: Methods used by distributors to increase milk sales in South Carolina, S.C. Agr. Exp. Sta, 4/60; co-auth, Labor efficiency in broiler processing plants in the South, South. Coop. Series 112, 1/66 & Homemakers response to poultry promotion in retail food stores in Birmingham, Ala. and Greenville, S.C., South. Coop. Series 113, 3/66. Address: Box 1041, Clemson, S.C. 29631.
- MILES, PROF. MATTHEW B, b. Keughtung, Burma, Nov. 3, 26; U.S. citizen; m. 49; c. 3. PSYCHOLOGY, EDUCATION. A.B. Antioch Col, 50, M.A., 51; Ed.D., Columbia, 54. Asst. prof. PSYCHOL. & ED, TEACHERS COL, COLUMBIA, 55-57, assoc. prof, 58-63, PROF, 64- Res. assoc, Horace Mann-Lincoln Inst. Sch. Exp. 55-; lectr, Case, 64-66; Kettering Found. res. grant, 65-67; researcher, U.S. Off. Ed. Proj, various cols. & univs, 65-67; lectr, Leeds, summer 67. Fel. Nat. Training Labs. & summer staff mem. & conf. dir, 54-, mem. adj. staff, 58-60, mem. bd, 58-61 & 65-68, core cmt. ed, 64-67. Spec. adv. mgt. develop, Philips Elec. Co, U.K., 61-62; consult. human rels. training, mgt. develop. orgn. improv. & eval. to various indust, ed. & non-profit orgn; chmn. cmt. res. utilization, Am. Ed. Res. Asn, 64-67. Fel. Psychol. Asn; Sociol. Asn; Ed. Res. Asn; Soc. Psychol. Study Social Issues. Social psychology, especially small groups, organization change processes and leadership as applied to human relations training, educational innovation, management development, classroom group behavior and evaluation methods. Publ: Co-auth, Readings in group development, Nat. Training Labs, (in press), Readings in the social psychology of education, Allyn & Bacon, rev. ed, (in press) & The school psychologist and organizational improvement, In: Vol. III, Professional school psychology, Grune, (in press). Address: Dept. of Psychology, Teachers College, Columbia University, New York, N.Y. 10027.
- MILES, PROF. MINNIE C(ADDELL), b. Ala, Mar. 4, 10; m. 28. INDUSTRIAL PSYCHOLOGY. B.S. Mary Hardin-Baylor Col, 36, hon. LL.D., 65; M.B.A., Northwestern, 41; Ph.D., Purdue, 51. Exec. secy, Northwestern, 41-42; instr. Alabama, 42-45; personnel dir, Olan Mills, Inc, 45-47; asst. prof. MGT, ALABAMA, 47-53, assoc. prof, 53-64, PROF, 64- Guest prof, Purdue, 50-51; field assoc, Fry Assocs, 57- Summer participant, State Dept. Cultural & Ed. Exchange Prog, Latin Am, 63; mem, Nat. Defense Adv. Cmt. on Women in Serv, 65-67, chmn, 67. Psychol. Asn; Soc. Training & Develop. Acad. Mgt. Personnel and industrial relations; behavioral science; management. Address: Dept. of Management, University of Alabama, P.O. Box 1522, University, Ala. 35486.
- MILES, PROF. OTHA KING, b. Atlanta, Tex, Oct. 7, 92. CLINICAL & APPLIED PSYCHOLOGY. A.B. Centenary Col, 31; M.A., Texas, 32; Ph.D., 42. Supvr. ed, pub. sch, Tex, 31-39; teacher spec. ed, county & parish schs, La, 39-43; prof. ED. & PSYCHOL. & clin. psychologist, CENTENARY COL, 43-60, EMER. PROF, 60- AAAS; Psychol. Asn. Education and psychological counseling; reading diagnosis. Publ: Attitudes toward Negroes and Jews, Sociol. & Soc. Res; Ethnic attitudes of college students & Social distance in the Deep South, J. Sociol. Psychol. Address: 3568 Greenway Place, Shreveport, La. 71105.
- MILES, PROF. RAYMOND C(ASTLETON), b. Salt Lake City, Utah, July 3, 23; m. 55; c. 3. EXPERIMENTAL PSYCHOLOGY, NEUROPHYSIOLOGY. B.S. & M.S., Idaho, 49; Ph.D.(psychol), Ohio State, 54. Asst. prof. psychol. & proj. assoc. neurophysiol, Wisconsin, 54-56; asst. prof. PSYCHOL, Idaho State Col, 56-57; Mont. State Col, 57-59; assoc. prof, Alberta, 59-62; PROF, Ohio State, 62-66; COLORADO, 66- Vis. asst. prof, Oregon, 58-59; res. grants, Nat. Res. Coun. Can, 61-62 & Nat. Insts. Health, 61-68. Mem. exp. psychol. study sect, Nat. Insts. Health, 66-68. U.S.A. 43-46. AAAS; Am. Psychol. Asn; Can. Psychol. Asn. Experimental psychology, especially motivation and learning in relation to function of the associative cortex; comparative learning ability of various species. Publ: Learning by squirrel monkeys with frontal lesions, In: The frontal granular cortex and behavior, McGraw, 64; Discrimination learning sets, Vol. I, In: Behavior of nonhuman primates: modern research trends, Academic, 65; co-auth, Invariance of operant topography throughout changes in various motivational conditions, J. Comp. & Physiol. Psychol, 66. Address: Dept. of Psychology, University of Colorado, Boulder, Colo. 80302.
- MILES, STEPHEN B(OYD), JR, Bus. Econ. & Admin, see 10th ed, Soc. & Behav. Vols.
- MILES, DR. WALTER R(ICHARD), Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.
- MILEY, PROF. CHARLES HARVEY, b. Ft. Pierce, Fla, Dec. 25, 25; m. 50; c. 2. COUNSELING PSYCHOLOGY. B.A., Baylor, 49, M.A., 52; Southwest Baptist Theol. Sem, 52-53. Asst. field dir, Am. Nat. Red Cross, Ft. Hood, Tex, 51-52; asst. psychol, Baylor, 52; prof, Southwest Baptist Col, 54-58; chmn. dept. psychol. & dir. counseling serv, Howard Payne Col, 58-60; dean student personnel serv, Jr. Col. Broward County, 60-63; ASSOC. PROF. PSYCHOL, AURORA COL, 63- Summer, Hogg Found. Ment. Health grant, Austin State Hosp, Tex, 52. Consult, Ill. Youth Cmn. Reception & Diag. Center, Joliet, 63-; Larkin Home for Children, Elgin, Ill, 67- U.S.A. 43-46. Psychol. Asn. Personality dynamics and vocational choice. Address: Dept. of Psychology, Aurora College, Aurora, Ill. 60507.
- MILEY, PROF. DOUGLAS GRAY, b. Plant City, Fla, Nov. 11, 10; m. 35; c. 2. AGRICULTURAL ECONOMICS. B.S.A. Florida, 35, M.S.A., 39; Gen. Ed. Bd. fel, Virginia, 39-41; Ph.D., Va. Polytech, 41. Jr. statistician, Fed. Land Bank, S.C., 35-36; exten. economist, Florida, 37-39; asst. prof. agr. econ, Va. Polytech, 41-42; assoc. prof. agr. econ, head dept. & supt, Delta Exp. Sta, Miss. State, 42-52; managing dir, Panther Burn Co, 52-59; PROF. ECON. & CHMN. DIV. BUS. & ECON, MISS. COL, 59- Mem. nat. adv. cmt. prod. econ, U.S. Dept. Agr, 54-59. Agr. Econ. Asn. Production problems in agriculture; economic problems of Mississippi, especially factors influencing the growth of per capita personal income. Publ: Mechanization of the cotton harvest, Economics of cotton gin operation & land tenure in Mississippi, Miss. Exp. Sta. Bulls. Address: Box 191, Mississippi College, Clinton, Miss. 39056.
- MILGRAM, DR. GRACE, b. Philadelphia, Pa, Mar. 13, 15; m. 37; c. 2. CITY PLANNING. B.A. Antioch, 37, M.C.P., Pennsylvania, 60, Ph.D.(city planning), 67. Res. assoc. URBAN STUDIES, inst. environ. studies, Pennsylvania, 60-64, res. asst. prof, 64-67; SR. RES. ASSOC, INST. URBAN ENVIRON, COLUMBIA, 67- Consult, P.R. Planning Bd, summer, 67; Nat. Cmn. Urban Probs, 67- Urban development, particularly housing, land economics and related fields. Publ: Co-auth, Urban housing, Macmillan, 66; auth, The city expands, Dept. Housing & Urban Dept, Govt. Printing Off, (in press); co-auth, Population and housing in New Haven: 1960-1980, New Haven Redevelop. Agency, 64. Address: Institute of Urban Environment, 400 W. 118th St, Columbia University, New York, N.Y. 10027.
- MILGRAM, DR. NORMAN ALVIN, b. Boston, Mass, Feb. 25, 31; m. 51; c. 2. CLINICAL PSYCHOLOGY. A.B. Harvard, 52; M.A., Boston, 54, Ph.D., 58; U.S. Pub. Health Serv. fel, Children's Med. Center, 57-58. Intern clin. psychol, Vet. Admin. Hosps, Boston, Mass, 54-57; staff psychologist children's serv, Nebr. Psychiat. Inst, 58-61; instr. med. psychol, col. med, Nebraska, 58-60, assoc. 60-61; from asst. prof. to ASSOC. PROF. PSYCHOL, CATHOLIC UNIV, 61- Prin. investr, Nat. Inst. Ment. Health res. grants, 62-69 & Voc. Rehab. Admin. grants, 67-70. Consult, Nat. Inst. Ment. Health, 62-; Walter Reed Army Hosp, 63-; Children's Bur, 64- Psychol. Asn; Asn. Ment. Deficiency. Cognitive processes in normal and pathological populations, adult and child subjects; language development in children; psychotherapy and psychodiagnosis. Publ: The influence of language on classification, Genetic Psychol. Monogr, 65; Factors affecting conceptual control in normal and retarded children, Child Develop, 67; Verbal context versus visual compound in paired-associate learning by children, J. Exp. Child Psychol, 67. Address: Dept. of Psychology, Catholic University of America, Washington, D.C. 20017.
- MILGRAM, PROF. STANLEY, b. New York, N.Y., Aug. 15, 33. SOCIAL & EXPERIMENTAL PSYCHOLOGY. A.B. Queens Col.(N.Y.), 54; Ford Found. fel, 54-55; univ. fel, Harvard, 55-57, Soc. Sci. Res. Coun. fel, 57-59, Ph.D., 60. Asst. prof. psychol, Yale, 60-63; soc. psychol, Harvard, 63-66, dir. comp. int. prog, dept. soc. rels, 66-67; PROF. PSYCHOL, CITY UNIV. NEW YORK, 67- Prin. investr. Nat. Sci. Found. res. grants, 61-67. AAAS; Psychol. Asn. Experimental social psychology; studies of obedience, conformity and social power; cross-national research; analysis of crowds. Publ: Crowds and social movements: revised handbook of social psychology, Addison-Wesley, 68; Some conditions of obedience and disobedience to authority, Human Rels, 65; The small world problem, Psychol. Today, 5/67. Address:

Dept. of Psychology, The City University of New York Graduate Center, 33 W. 42nd St, New York, N.Y. 10036.

MILHOLLAND, PROF. JOHN E(DGAR), b. Paris, Ill, Apr. 18, 10; m. 36. PSYCHOLOGY. Ph.D, Michigan, 53. Salesman, Remington Rand, Inc, 33-38; teacher, pub. sch, Mich, 38-43, 46-49; asst. prof. PSYCHOL, MICHIGAN, 53-61, PROF, 61- U.S.N, 43-48, Lt. AAAS; Psychol. Asn; Psychomet. Soc. Psychological measurement; statistics. Address: Dept. of Psychology, 6617 Haven Hall, University of Michigan, Ann Arbor, Mich. 48104.

MILL, DR. CYRIL R(ALPH), b. Minn, Nov. 11, 19; m. 42. PSYCHOLOGY. B.A., Nebr. State Teachers Col, Wayne, 41; N.Y. Univ, 46; M.A., Mich. State, 47, Ph.D, 53. Instr. dept. effective living, Mich. State, 49-51; consult. psychologist, Richmond Pub. Schs, Va, 51-57; chief psychologist children's unit, State Hosp, Allentown, Pa, 57-58; dir. psychol. serv, State Dept. Ment. Hyg. & Hosps, Va, 58-62; consult. Rohrer, Hibler & Replogle, 62-65; PROG. DIR. CONSULT, NAT. TRAINING LABS. INST. APPL. BEHAV. SCI, D.C, 65- U.S.A.A.F, 42-45. Psychol. Asn. Group dynamics; cross cultural communication; experiential learning techniques for effecting change. Address: 813 Ridge Place, Falls Church, Va. 22046.

MILL, PROF. EDWARD W, b. Mason City, Ill, June 14, 16; m. 52. POLITICAL SCIENCE. B.A., Wisconsin, 40; univ. scholar. & fel, Michigan, 40-42, M.A, 41; M.A., Princeton, 53, Ford Found. fel, 53-54, Ph.D, 54. With Off. Strategic Serv, 43-45; asst. chief div. Philippine affairs & dir. Philippine for. affairs training prog, U.S. Dept. State, 45-48; chief polit. sect, Am. Embassy, P.I, 48-49; Am. consul, Indonesia, 49-51; lectr. polit. sci, California, 52; vis. prof, Philippines, 53-54; prof. polit. sci. & chmn. div. soc. sci. & asst. to pres, Rockefeller Col, 55-59; prof. polit. sci. & chmn. dept, Long Island, 59-62; CHEVALIER PROF. & CHMN. DIPLOMACY & WORLD AFFAIRS, OCCIDENTAL COL, 62- Summers, consult. grad. sch. pub. & int. affairs, Pittsburgh, 58; observer Vietnamese nat. elections, Vietnam, 67. Order of Sikatuna, Repub. of the Philippines, 64. Polit. Sci. Asn; Soc. Int. Law; Soc. Pub. Admin. Governments and politics of southeast Asia; American foreign policy; American government; international relations. Publ: Co-auth, American government in the Twentieth Century, Gen. Learning Corp, 68; auth, One year of the Philippine Republic, U.S. Dept. State Bull; Philippines in the world setting, Philippine Soc. Sci. & Humanities Rev. Address: 5228 Hermosa Ave, Los Angeles, Calif. 90041.

MILLARD, DR. KENNETH A(LBERT), Personnel Psychol, see 10th ed, Soc. & Behav. Vols.

MILLARD, DR. WILBUR A(LEXANDER), b. Washington, D.C, Dec. 3, 19. CLINICAL PSYCHOLOGY. B.S, D.C. Teachers Col, 41; fel, Harvard, 46, Ed.M, 47; Nat. Inst. Ment. Health grant, Howard, 55; M.A., Catholic Univ, 57; Ed.D.(human develop), Maryland, 68. Teacher, PUB. SCHS, D.C, 43-48, pupil study, 54-57, PSYCHIAT. UNIT, CHILD STUDY DIV, 57- ASST. TO ASST. SUPT, DEPT. PUPIL PERSONNEL SERV, 63- Vis. lectr, D.C. Teachers Col. Catholic Univ. Consult, Nat. Inst. Ment. Health res. grant, 61- U.S.N.R. Psychol. Asn. Perceptual problems in brain-injured children; spatial perception in monkeys; mental health in schools. Address: 2101 New Hampshire Ave. N.W, Washington, D.C. 20009.

MILLEN, PROF. E(ARL) T(HOMAS), b. Aberdeen, Wash, July 18, 28. POLITICAL SCIENCE. A.B, Washington (Seattle), 50, Ph.D.(polit. sci), 54. Instr. govt, Texas A&M, 55-57; asst. prof. POLIT. SCI, Winona State Col, 57-62; assoc. prof, Northeast Mo. State Col, 62-64; NORTHEAST LOUISIANA, 64-67, PROF, 67- Urban renewal adminstr, Winona, Minn, 62-64. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. International politics; political theory; impact of tensions upon international relations and organization. Address: Dept. of Government, Northeast Louisiana University, Monroe, La. 71201.

MILLER, A. EDWARD, b. New York, N.Y, Aug. 28, 18; m. 49; c. 3. BUSINESS ADMINISTRATION. M.B.A., City Col. New York, 42. Dir. res, Life Mag, Time, Inc, 48-55, asst. to publisher, 55-59; publisher, McCall Mag, 59-64; pres, Alfred Politz Res. Inc. Div. Comput. Sci. Corp, 64-68; PRES. WORLD PUB. CO. DIV. TIMES-MIRROR CO, 68- Adj. prof, City Col. New York, 53- Mem. adv. cmn. center adv. human commun, Fairfield Univ, 65- Sociol. Asn; Statist. Asn; Econ. Asn; Mkt. Asn; Am. Asn. Pub. Opinion Res; World Asn. Pub. Opinion Res. Address: Hillcrest Park, Old Greenwich, Conn. 06820.

MILLER, DR. AGNES ROMAN, b. Budapest, Hungary, Nov. 1, 05; m. 48. ECONOMICS. M.A., Peter Pazmany Univ, Hungary, 26, Ph.D, 28. Head res. statist, Chinese Postal Remittances & Savings Banks, Shanghai, 35-37; economist distribution, Am. Retail Fedn, 41-42; econ. analyst, Far East war econ, For. Econ. Admin, 42-44; UN Relief & Rehab. Admin, 44-46, financial adv, 46-47, chief reports div, 47-48; INSTR. FOR. ECON. POLICY, N.Y. UNIV, 59-, LECTR, ASSOC. ARTS PROG, 65- Dir. pop. census, Shanghai Munic. Coun, China, 35. Consult. League Women Voters City New York, 58- Econ. Asn. Economic geography; collection and organization of Chinese economic conditions during the pre-second World War period; planning post-war rehabilitation in China; adult education in economics. Publ: Regulation of government economic activities in foreign countries; Public finance in postwar China; American investments in the Far East. Address: 5 Gracie Square, New York, N.Y. 10028.

MILLER, DR. ALBERT R(AYMOND), JR, b. Detroit, Mich, July 19, 13; m. 46; c. 2. ECONOMICS. A.B, George Washington, 40; M.A., Harvard, 46, Ph.D, 58. Economist, Off. Price Admin, 41-43; War Food Admin, 43-44; asst. prof. ECON, George Washington, 46-52; dir. res, Nat. Found. Consumer Credit, 52-57; CHIEF RES, STATE DEPT. PLANNING, MD, 57- History of economic doctrine; business cycles; consumer credit; fiscal policy; state and interstate water resources planning and management; comprehensive state planning studies. Publ: Adam Smith, Lauderdale and economic development, Soc. Sci; Management and limits of state dept. Address: State Planning Dept, State Office Bldg, 301 W. Preston St, Baltimore, Md. 21201.

MILLER, DR. ANN R(ATNER), b. New York, N.Y, Feb. 2, 21; m. 51; c. 2. DEMOGRAPHY. A.B, Bryn Mawr Col, 43; Ph.D.(sociol), Pennsylvania, 62.

Instr. labor force, indust. res. unit, Pennsylvania, 43-50, res. assoc, 51-53; surv. statistician demog. pop. div, U.S. Bur. Census, 50-51; RES. ASSOC. POP. STUDIES CENTER, PENNSYLVANIA, 53- Consult, U.S. Bur. Budget, 65- Sociol. Asn; Statist. Asn; Pop. Asn; Econ. Hist. Asn; Int. Union Sci. Study Pop. Labor force analysis, especially occupational and industrial; classification and historical trends; population and labor force mobility. Publ: Co-auth, Methodological considerations, Vol. I & Analyses of Economic Change, Vol. II, of Population redistribution and economic growth, U.S, 1870-1950; co-auth, Industrial and occupational trends in national employment. Address: Population Studies Center, University of Pennsylvania, 3935 Locust St, Philadelphia, Pa. 19104.

MILLER, DR. ANTHONY G(EOERGE), b. Oporto, Portugal, Jan. 3, 40; U.S. citizen; m. 62; c. 1. PSYCHOLOGY. B.A., St. Bonaventure, 62; M.S., Washington State, 65, Ph.D.(exp. psychol), 67. Res. trainee PSYCHOL, Am. Lake Vet. Admin. Hosp, 66-67; ASST. PROF, EAST. MONT. COL, 67- AAAS; Psychol. Asn. Psychology of sleep and dreams; animal behavior; comparative developmental psychology. Publ: The autokinetic word technique, J. Abnorm. Psychol, 67. Address: Dept. of Psychology, Eastern Montana College, Billings, Mont. 59101.

MILLER, DR. ARNOLD, b. New York, N.Y, Mar. 11, 27; m. 59; c. 2. PSYCHOLOGY. B.A., City Col. New York, 51. M.A, 53; Ph.D, Clark, 59. Extern psychologist, Inst. Juvenile Res, Chicago, Ill, 52-53; staff psychologist, Youth Guid. Center, Worcester, Mass, 53-56; St. Vincent Hosp, 56-58; res. assoc. psychol, Boston, 59-60; from asst. prof. to assoc. prof, Montana State, 60-64; res. assoc, Harvard Med. Sch, 64-66; DIR. LANG. DEVELOP. LAB, WRENTHAM STATE SCH, 66- U.S. Pub. Health Serv. grant, Intermodal Perception Proj, 61- U.S.N, 45-46. AAAS; Psychol. Asn. Role of personality style in perception and cognition. Publ: Verbal satiation and the role of concurrent activity, co-auth, Personality style and perceptual reactivity to the immediate environment, J. Abnorm. & Soc. Psychol; Symbol accentuation: the perceptual transfer of meaning from spoken to printed words, Am. J. Ment. Deficiency, 68. Address: 37 Stearns St, Newton, Mass. 02159.

MILLER, DR. ARTHUR G, b. Racine, Wis, Jan. 21, 40; m. 64; c. 1. PSYCHOLOGY. A.B, Indiana, 62, Ph.D.(psychol), 67. ASST. PROF. PSYCHOL, MIAMI (OHIO), 67- Psychol. Asn; Soc. Psychol. Study Social Issues. Personality theory; experimental social psychology, especially social perception. Publ: Co-auth, Short term retention and meaningfulness, Can. J. Psychol, 61; auth, Amount of information and stimulus valence as determinants of cognitive complexity, J. Personality, 68. Address: Dept. of Psychology, Miami University, Oxford, Ohio 45056.

MILLER, DR. ARTHUR L, b. Landis, N.C, June 3, 31; m. 54; c. 1. PSYCHOLOGY. B.A., North Carolina, 54, M.A, 57, Ph.D.(psychol), 61; Duke, 57. Res. scientist PSYCHOL, HumRRO, Ky, 61-65; ASST. PROF, SOUTH DAKOTA, 65- Nat. Insts. Health res. grant, 66-67. Psychol. Asn; Psychomet. Soc. Social psychology, perception, and motivation. Publ: Evaluation of prospective social relationships: a function of comparison level and predicted outcome level, J. Abnorm. & Soc. Psychol, 63; The effects of shape, size, heterogeneity and instructional set on the judgement of visual number, Am. J. Psychol, 3/68. Address: Dept. of Psychology, University of South Dakota, Vermillion, S. Dak. 57069.

MILLER, PROF. ARTHUR SELWYN, Law, see 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

MILLER, PROF. AUGUST C(HARLES), JR, b. Taunton, Mass, Aug. 31, 05; m. 40; c. 1. GOVERNMENT. B.S., Bowdoin Col, 27; A.M., Harvard, 41. Instr. hist. & govt, U.S. Naval Acad, 46-47; prof, Wheaton Col, 48-58; PROF. GOVT. & INT. RELS. & HOLDER MILTON E. MILES CHAIR, NAVAL WAR COL, 58-, vis. prof, 56-57. Consult, Col. Entrance Exam. Bd, 35-41. U.S.N, 42-46, Res, 46-54, Capt. Polit. Sci. Asn. History; American diplomacy and foreign policy; international organization and agreements. Publ: New Japanese-American treaty; SEATO: segment of collective security; Antarctica: white continent of promise. Address: 8 North Dr, Slate Hill, Middletown, R.I. 02840.

MILLER, DR. BEATRICE D(IAMOND), b. New York, N.Y, May 29, 19; m. 43; c. 3. ANTHROPOLOGY. A.B, Michigan, 48; Ford Found. bd. overseas training & res. fel, India, 53-55; Hill fel, Am. Asn. Women, 57-58; Ph.D.(anthrop), Washington (Seattle), 58. Ed. & res. anthropologist, Northwest China handbook proj, Human Rels. Area Files, Inc, 55-56; acting asst. prof. anthrop, Washington (St. Louis), 57-58, eve. col, 57-59; vis. lectr, Beloit Col, 61-62; lectr. anthrop, Wisconsin, Madison, 67-68. Fel. Anthropol. Asn; Asn. Asian Studies. Factors of cultural resistance and stability in contact situations; role of Buddhist social institutions in Inner Asia and the Himalayan borderlands; biocultural factors in high altitude populations. Publ: Lamas and laymen: a historico-functional study of the secular integration of monastery and community; Web of Tibetan monasticism, J. Asian Studies; Ganye and Kidu: two formalized systems of mutual aid among the Tibetans, Southwest. J. Anthropol. Address: 1227 Sweetbriar Rd, Madison, Wis. 53705.

MILLER, PROF. B(ENJAMIN) O(RVILLE), Econ, see 10th ed, Soc. & Behav. Vols, deceased 65.

MILLER, DR. BILL R, b. Madison County, Ala, Feb. 6, 33; m. 60; c. 3. AGRICULTURAL ECONOMICS. B.S., Auburn, 57, M.S, 59; Ph.D.(agr. econ), N.C. State, 64. ASST. PROF. AGR. ECON, AUBURN, 63- U.S.N, 53-55. Agr. Econ. Asn; Statist. Asn. Economics; econometrics; farm management; land and water economics; agricultural marketing. Address: Dept. of Agricultural Economics, Auburn University, Auburn, Ala. 36830.

MILLER, CARL F(REDERICK), b. Tucson, Ariz, Dec. 8, 06; m. 47. ANTHROPOLOGY. B.S., Arizona, 28, M.A, 29; fel, lab. anthrop, N.Mex, 31; Am. Geog. Soc. fel, 38-42. Asst. dir, State Mus, Ariz, 30-31; archaeologist, Wetmore Hodges Expeds, 34, 35; jr. archaeologist, Nat. Park Serv, 36-38; Tenn. Valley Authority, 38-42; dir, Ariz. Pioneer Hist. Soc, 45-46; archaeologist, river basin surv, Smithsonian Inst, 46-65, asst. dir, 50-65; ANTHROP. CON-

SULT, WESTERN KENTUCKY, 67- Researcher, Nat. Geog. Soc. Franklin L. Burr award, Nat. Geog. Soc. 59. U.S.A. 42-45. Anthropol. Soc. Am. Archaeol. Archaeology of the Southeastern and Middle Atlantic section of the United States. Publ: Archaeology of the John H. Kerr (Buggs Island) reservoir area, Virginia and North Carolina, Bull. Bur. Am. Ethnol; Life 8,000 years ago uncovered in an Alabama cave & Russell Cave: new light on stone age life, Nat. Geog. Mag. Address: 18 W. Windsor Ave, Alexandria, Va. 22301.

MILLER, PROF. CARRIE (EULAH), b. Medoc, Mo, Jan. 4, 06. PSYCHOLOGY. B.S. Kans. State Col, 32; dipl. Nat. Col, 34; M.A. Denver, 54, Ph.D. 58. Deaconess, Methodist Church, Kans, 34; Mich, 35; teacher, Harwood Girls' Sch, N.Mex, 37-39; asst. Methodist Hosp, Albuquerque, 39-41; asst. ed. Methodist Church, Ore, 41-44; ed. dir. Colo, 45-50; instr. PSYCHOL, Lindsey Wilson Jr. Col, 54-56; Denver, 56; asst. prof. Lycoming Col, 59-67; PROF, KANS. WESLEYAN, 67- Summer vis. prof. Wyoming, 59-60. AAAS; Psychol. Asn. Sharing among Spanish American children; effect of the home broken by divorce upon the self-concept of selected college women. Address: Dept. of Psychology, Kansas Wesleyan University, Salina, Kans. 67401.

MILLER, CHARLES J, b. Cincinnati, Ohio, Feb. 17, 01; m. 22, 61; c. 9. MARKETING, INTERNATIONAL BUSINESS. B.B.A. Washington (Seattle), 22, M.B.A. 27; Northwestern, 34-35. Chmn. dept. bus. Pui Ying Mid. Sch, Canton, China, 22-25; instr. bus. Washington (Seattle), 27-31, asst. prof. 31-37, assoc. prof. mkt. 37-45, prof. 45-49 & 50-54; exec. secy. int. bus. Wash. State Int. Commerce Cmn, 49-50; chmn. dept. mkt. transportation & int. bus. WASHINGTON (SEATTLE), 54-64, PROF. MKT, 65-, ed. Pac. Northwest Bus. col. bus. admin. 45-55. Summers, soc. scientist, Fed. Repub. Germany, 58, mem. U.S. Trade Mission, Nigeria, Africa, 59, expert consult. export trade, U.S. Dept. Commerce, 60. Mkt. Asn. Written business communications; retailing. Publ: Co-auth, Business letters: their preparation and use, McGraw, 30; auth, Trade of the Pacific Northwest with Far East Pacific nations, Inst. Pac. Rels, 45; A foreign trade zone for Puget Sound: its economic desirability and feasibility, Port of Seattle & State of Wash, 47. Address: 5031 19th Ave. N.E., Seattle, Wash. 98105.

MILLER, PROF. CHARLES W, b. Detroit, Mich, July 18, 08; m. 36; c. 1. ECONOMICS. B.S. Marquette, 48; M.A. Minnesota, 50, Ph.D. (bus. admin), 52. From asst. prof. to prof. econ. & mkt. Marquette, 52-60; treas. Miller Brewing Co, 60-65; v-pres, consumer prod. group, W.R. Grace & Co, 65-66; CHIEF EXEC. OFFICER, MILLER BREWING CO, 66- U.S.N.R., 43-46, Capt. Econ. Asn; Mkt. Asn; Statist. Asn. Distribution problems of management, marketing and finance and control. Publ: Post war pricing in the canning industry; Faculty salaries, past and present in money and real terms; Optimum size in the canning industry. Address: 1020 Lone Tree Rd, Elm Grove, Wis. 53122.

MILLER, DR. CLARENCE J, b. Plainfield, Iowa, Nov. 8, 16; m. 51; c. 3. AGRICULTURAL ECONOMICS. Ph.D. (econ), Harvard, 55. Asst. prof. agr. mkt. Nebraska, 50-56, assoc. prof. 56-66; ECONOMIST, STANFORD RES. INST, 66- Economist, Food & Agr. Orgn, Govt. Venezuela, 56. Consult. & chief of party, Agency Int. Develop. contract, Weitz-Hettelsater Engrs, Brazil, 62-63. AAAS; Agr. Hist. Soc; Econ. Asn; Rural Sociol. Soc; Agr. Econ. Asn; Mkt. Asn; Econ. Hist. Asn; Asn. Latin Am. Studies; Int. Asn. Agr. Econ. Marketing of agricultural, food and fiber products; agricultural and economic development; agribusiness; institutional factors in the economic system. Publ: Co-auth, Marketing facilities for grain & tuberous crops; Brazil, Vols. I & II, Weitz-Hettelsater Engrs, 63; auth. & ed, Marketing & economic development: readings in agribusiness research, Univ. Nebraska, 67; auth, Informe al Gobierno de Venezuela sobre medicos para establecer sistemas eficientes de comercializacion del azucar, arroz y otros productos alimenticios y agricolas. Address: Stanford Research Institute, 333 Ravenswood Ave, Menlo Park, Calif. 94025.

MILLER, DR. CLIFFORD J (JOHN), b. Duluth, Minn, Apr. 7, 24; m. 47; c. 2. POLITICAL SCIENCE. B.A. Minnesota, 48; fel. Syracuse, 48-49, M.P.A. 51; Ph.D. American Univ, 59; Nat. War Col, 65-66. Admin. trainee, rural elec. admin, U.S. Dept. Agr, 49-50, training officer, 50-51, orgn. & methods exam, 51, asst. budget officer, 51-55; budget exam, EXEC. OFF. PRESIDENT, U.S. BUR. BUDGET, 55-60, chief personal property, transportation & pub. utilities br, off. comptroller, gen. serv. admin, 60-61, mem. survs. & invests. staff, U.S. House Cmt. Appropriations, 61, dir. spec. projs, mil. div. 61-66, asst. dir. nat. security progs. div. 66-67, SR. MEM. RESOURCE PLANNING STAFF, 67- Dir, Surv. Logistic Support of Civilian Progs. Vietnam, 66. U.S.M.C. 43-46. Polit. Sci. Asn; Soc. Pub. Admin. Budgeting; logistics; public finance; management economics. Publ: Budget structure, budget control, and program control; Organization and procedures for control of supply for items financed through the Army stock fund. Address: 123 Cameron Mews, Alexandria, Va. 22314.

MILLER, PROF. DANIEL R (OBERT), b. New York, N.Y., Sept. 14, 17; m. 39. PSYCHOLOGY. B.S.S. City Col. New York, 38; M.A. George Washington, 43; Rosenberg fel, Stanford, 46, Soc. Sci. Res. Coun. fel, 47, Ph.D. 49. From assoc. prof. to PROF. PSYCHOL, MICHIGAN, 48- Fel. Nat. Inst. Ment. Health, 66-68. Fel. Psychol. Asn; fel. Sociol. Asn. Child development; psychoanalytic theory; personality and society. Publ: Co-auth, Changing American parent & inner conflict and defense; auth, Prediction of behavior by means of the Rorschach test, J. Abnorm. & Soc. Psychol. Address: Dept. of Psychology, University of Michigan, Ann Arbor, Mich. 48104.

MILLER, DR. DAVID F (REELAND), b. Elizabeth, N.J., Apr. 6, 28; m. 87; c. 2. SOCIAL PSYCHOLOGY. A.B. Princeton, 50; M.A. Michigan, 51, Ph.D. (psychol), 55. Asst. study dir, surv. res. center, Michigan, 52-53; res. analyst, J. Walter Thompson Co, 53-55, acct. res. mgr. N.Y., 57-59, sr. analyst, Mich, 59, mgr. mkt. res. dept, 59-60, dir, 60-61; MGR. MKT. RES. CHRYSLER CORP, 62- Mem. coun. mkt. res. dirs, Nat. Indust. Conf. Bd, 64-, coun. sr. mkt. execs, 67- U.S.A. 55-57. Mkt. Asn. (v-pres, 68-69); Asn. Pub. Opinion Res. Marketing research, especially consumer product acceptance, advertising effectiveness and acquisition. Address: Chrysler Corp, P.O. Box 857, Detroit, Mich. 48231.

MILLER, DR. DAVID H (EWITT), Geog, Meteorol, see 11th ed, Phys. & Biol. Vols.

MILLER, DR. DAVID PAUL, b. Protection, Kans, Aug. 30, 17; m. 47; c. 3. SOCIOLOGY, ANTHROPOLOGY. A.B. Goshen Col, 47; M.A. Nebraska, 50, Ph.D. (sociol), 53. Asst. prof. SOCIOL, Emporia State Teachers Col, 50-51; Nebr. State Teachers Col, Wayne, 53-56; assoc. prof. Mankato State Col, 56-60; PROF, ILLINOIS WESLEYAN, 60- Summers, guest lectr, Syracuse, 61; Nat. Sci. Found. award, anthropol. inst, Colorado, 63; Kingston guest lectr, Rhode Island, 64; guest lectr, Colorado, 65. Sociol. Asn; Anthropol. Asn; Soc. Study Soc. Probs. Social problems, theory and psychology. Publ: Minnesota melting pot, Proc. Minn. Acad. Sci; Jansen, Nebraska: a story of community adjustment & Peter Jansen: a Nebraska pioneer, Nebr. Hist. Address: 8 Wilmette Dr, Normal, Ill. 61761.

MILLER, PROF. DELBERT C (HARLES), b. Findlay, Ohio, Nov. 14, 13; m. 41; c. 2. SOCIOLOGY. B.S. Miami (Ohio), 34, A.M. 37; Ph.D. Minnesota, 40; Chicago, 41. Instr. high sch, Ohio, 34-36; sociol. Minnesota, 37-40; Washington State, 40-42; asst. conf. supvr, Sperry Gyroscope Co, N.Y., 42-43, asst. supvr. training supvr, 43-44; sect. chief wage anal. policy appraisal div, War Labor Bd, Wash, D.C., 44; assoc. prof. sociol, Kent State, 44-47; Washington (Seattle), 47-57; prof. Pa. State, 57-59; PROF. SOCIOL, INDIANA, 59-, BUS. ADMIN, 61- Ford Found. lectr, Argentina, 63; Fulbright lectr, Peru, 65-66. Dir. Air Site Res. Proj, 51-53; indust. community researcher, Eng, 54-55, B.W.I. 57. Consult, U.S. Dept. Air Force. Sociol. Asn; Sociol. Res. Asn; Asn. Latin Am. Studies. Industrial and occupational sociology; industry; labor and community relations. Publ: Co-auth, Industrial sociology, Industry, labor, and community & Power and democracy in America. Address: Dept. of Sociology, Indiana University, Bloomington, Ind. 47401.

MILLER, DR. DONALD C (ALVIN), b. Geneseo, Ill, Mar. 31, 20; m. 43. ECONOMICS. A.B. Illinois, 42, A.M. 43, Ph.D. 48. Asst. prof. econ, Minnesota, 40; Los Angeles, 48-51; economist, bd. governors, Fed. Reserve Syst, D.C. 51-54, chief govt. finance sect, 55-58; V.PRES, CONTINENTAL ILL. NAT. BANK & TRUST CO, CHICAGO, 58- U.S.A. 43-46. Econ. Asn; Finance Asn; Nat. Tax Asn. (treas). Money and banking; money markets and United States government securities market; taxation and fiscal policy. Publ: State and local taxes in California; Taxes, the public debt and transfers of income; Corporate taxation and methods of corporate financing, Am. Econ. Rev. Address: 415 N. Adams St, Hinsdale, Ill. 60521.

MILLER, DR. DONALD McCALLUM, b. Rangiora, N.Z., May 5, 33; m. 59; c. 2. EDUCATIONAL PSYCHOLOGY. Dipl. Otago, N.Z., 55; cert. Post-Grad. Teachers Col, N.Z., 55; M.S. Wisconsin, 59, Ph.D. (ed. psychol), 63. Stage dir, N.Z. Players Theatre Trust, 56-57; Fulbright travel grant from N.Z., 58-63; prin. elem. sch, dept. of lab. schs, Wisconsin, 62; teacher, pub. schs, Wis, 62-63; instr. ed. psychol, WISCONSIN, 63, ASST. PROF. SCH. RES, INSTR. RES. LAB, SCH. ED, 63-, ASSOC. DIR. INT. ED. RES. SCH. ED. & CONSULT. CURRICULUM & INSTR. MED. SCH, 68- Prin. & co-investr, U.S. Off. Ed. res. grants, 63- Res. consult, Aerospace Ed. Found, 65; Cent. Mid-West. Regional Ed. Lab, 66-; President's Coun, Wis. State, 66-67, Ill. Arts Coun, 67; res. adv. Dept. Ed. Res, Ministry Ed, Venezuela, 87- N.Z. Army, 55. AAAS; Ed. Res. Asn; Psychol. Asn; Sociol. Asn; Int. Coun. Psychol; Nat. Ed. Asn; Nat. Coun. Measurement in Ed; Philos. Ed. Soc. Methodology of education research, especially data collection techniques and their analysis; classroom learning and instruction; international education research and planning; medical education. Publ: Co-auth, Item design for an inventory of classroom learning situations, J. Ed. Measurement, spring 66; Selected aspects of EDUPLAN five year research program, 7/67 & La produccion de items para los tests—guia de trabajo, 2/68, Ministry of Ed, Venezuela. Address: University of Wisconsin, 202 State St, Madison, Wis. 53706.

MILLER, PROF. E (ARL) J (OYCE), b. Kellerton, Iowa, Nov. 3, 92. ECONOMICS. A.B. Simpson Col, 16, LL.D. 47; A.M. Illinois, 21, Ph.D. 22. Instr. econ. Illinois, 22-23; asst. prof. CALIFORNIA, LOS ANGELES, 23-27, assoc. prof. 27-31, dean men, 23-37, undergrad, 37-47, from prof. & chmn. dept. to EMER. PROF. ECON, 31- U.S.A. 17-18. Publ: Workmen's representation in industrial government. Address: Dept. of Economics, University of California, Los Angeles, Calif. 90024.

MILLER, DR. E (DITH) JOAN WILSON, b. Wednesbury, Eng, Mar. 2, 23; m. 58. GEOGRAPHY. B.A. Cambridge, 44, dipl. 45, M.A. 47; Soc. Woman Geog. grant, 61; Ph.D. (geog), North Carolina, 65. Head dept. geog, Girls' Pub. Day Sch. Trust, London, Eng, 47-57; lectr. GEOG, Indiana, 57-62; asst. prof. ILLINOIS STATE, 62-66, ASSOC. PROF, 66- Mem. Int. Geog. Union. AAAS; Am. Geog. Soc; Asn. Am. Geog; Coun. Geog. Ed; Geog. Asn. Brit. Geography of Europe and United States; geographical folklore; geography in education; cultural geography. Publ: The Red Sea, Encyclop. Americana, 63; Hybrid corn and more food for more people, J. Geog, 64; The Ozark culture area, Ann. Asn. Am. Geog, 3/68. Address: 2 Alexander Court, Normal, Ill. 61761.

MILLER, DR. ELBERT E (RNEST), b. Ephrata, Wash, July 2, 16; m. 43; c. 3. GEOGRAPHY. B.A. Cent. Wash. Col. Ed, 40; M.A. Washington (Seattle), 47, Ph.D. (geog), 51. Asst. prof. GEOG, Northwest State Col. (La), 46-47; instr. Nebraska, 47-48; asst. prof. Utah, 48-50; instr. Washington (Seattle), 50-51; asst. prof. Utah, 51-52, ASSOC. PROF, 52-57; WEST. WASH. STATE COL, 57- Consult, Inter-Am. Inst. Agr. Sci, 65-67. U.S.N.R., 42-43. Asn. Am. Geog. Agricultural geography; geography of arid lands; field methods; Central America. Publ: Fruit industry of Yakima Valley, Washington & Open field farming in Yakima Valley, Washington, J. Geog; Outlook for atomic energy, Focus. Address: Dept. of Geography, Western Washington State College, Bellingham, Wash. 98225.

MILLER, DR. ELEANOR OLMSTEAD, b. Chicago, Ill, Dec. 16, 96; m. 22; c. 1. PSYCHOLOGY. B.S. Northwestern, 19, A.M. 20; Ph.D. (psychol), Wisconsin, 28; summers, Michigan, 29, 30, Columbia, 40. Instr. psychol. & ed, Illinois Col, 27-32, asst. prof. 32-34, prof. 34-44, dean women, 44-48, PROF. PSYCHOL, 44-64; HUMAN RELS. CENTER, NEW SCH. SOC. RES, 65- Lectr, George Washington, 43-44; consult. psychologist, Norbury

- Sanatorium, Jacksonville, Ill, 53- Sig.C, U.S.A. 43-45. Psychol. Asn. Psychology and literature. Publ: Teaching psychology in the small liberal arts college, Am. Psychologist; New use for the Vigotsky blocks, J. Clin. Psychol. Address: 101 W. 12th St, Apt. 10C, New York, N.Y. 10011.
- MILLER, DR. ELMER S, b. Elizabethtown, Pa, Apr. 26, 31; m. 53; c. 2. ANTHROPOLOGY. B.A. East Mennonite Col, 54; Th.B. East Mennonite Sem, 56; M.A. Hartford Sem. Found, 64; fel. Pittsburgh, 64-66, Ph.D.(anthrop), 67. Fieldworker, Mennonite Bd. Missions & Charities, 57-63; ASST. PROF. ANTHROP, TEMPLE, 66- Temple Univ. summer res. award, 68. Fel. Anthropol. Asn; Ethnol. Soc; Acad. Polit. & Soc. Sci. Cultural anthropology; South American Indians; revitalization movements; comparative religious belief systems. Publ: Tobá kin terms, Ethnology, 66. Address: Dept. of Anthropology, Temple University, Philadelphia, Pa. 19122.
- MILLER, DR. ELMO E(VERETT), b. Minneapolis, Minn, Mar. 30, 30; m. 54; c. 3. PSYCHOLOGY. B.A. Minnesota, 52, M.A. 55, Ph.D. 58. Res. assoc. psychol, Illinois, 58-59; eng. psychologist, link div, Gen. Percision Inc, 56-60; sr. res. scientist, Minneapolis-Honeywell Regulator Co, Calif, 60-63; SR. SCIENTIST, HUMRRO UNIT, FT. KNOX, 63- U.S.N. 55-58, Lt.(jg). Psychol. Asn. Training; statistics; experimental psychology. Publ: Transfer effects of special training upon pre-solo flight training; Context in the perception of sentences, Am. J. Psychol. Address: HumRRO Unit, Oak St, Ft. Knox, Ky. 40120.
- MILLER, ERNEST CHARLES, b. New York, N.Y, July 14, 25; div; c. 3. PSYCHOLOGY. A.B. Yale, 45; M.A. Pennsylvania, 49. Asst. ed, Pennsylvania, 47-48; asst. instr, 48-51; assoc. Richardson, Bellows, Henry & Co, 50-53, br. mgr. mgt. consult, 53-55, mgr. personnel tech, Am. Standard Corp, 55-59; managing prin. mgt. consult, Helliwig, Miller & Assocs, 59-61; sr. assoc. Cresap, McCormick & Paget, 61-63; SR. RES. ASSOC, AM. MGT. ASN, 64- U.S.N. 43-45, Res, 45-58, Lt.(jg). Psychol. Asn. Management selection and utilization; general management; planning; quantitative techniques and behavioral sciences in management. Publ: Long-range planning: an overview, Adv. Mgt. Objectives and standards: an approach to planning and control, 3/66 & Marketing planning approaches of selected companies, 3/67, Am. Mgt. Asn. Address: 150 West End Ave, 17N, New York, N.Y. 10023.
- MILLER, DR. ERNEST G(ALE), b. Reardan, Wash, Jan. 21, 29; m. 51; c. 3. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B. Whitman Col, 51; Carnegie fel, Washington (Seattle), 51-53, M.P.A. 53; univ. fels, Princeton, 54-56, Ph.D.(polit. sci), 59. Asst. govt. res. survs. state & local govt, Princeton, 55-56; instr. polit. sci, Rutgers, 56; govt. Dartmouth Col, 56-59; asst. prof. polit. sci, California, Davis, 59-63, spec. asst. to chancellor, 63-65; DIR. CONTINUING ED, GRAD. SCH. PUB. AFFAIRS, WASHINGTON (SEATTLE), 65- Res. assoc. to Dr. William Miller, Consult, 56. Consult, Hanover Cmt. Study Munic. Budget Law, N.H. 58. Polit. Sci. Asn; Soc. Pub. Admin. Government arrangements; planning, management and relationships; executive and mid-career education and training; intergovernmental relations. Publ: Co-auth, Planning-programming-budgeting, Markham, 1/68; auth, Farewell town meeting, Nat. Munic. Rev; New Hampshire municipal budget law. Address: Graduate School of Public Affairs, University of Washington, Seattle, Wash. 98105.
- MILLER, PROF. ERVIN, b. Philadelphia, Pa, July 14, 18; m. 51; c. 2. FINANCE, ECONOMICS. B.A. Pennsylvania, 41, Ph.D. 51. Instr. FINANCE, WHARTON SCH. FINANCE & COMMERCE, PENNSYLVANIA, 46-53, asst. prof, 53-58, ASSOC. PROF, 58- U.S.A. 41-45, Maj. Am. Econ. Asn; Finance Asn; Royal Econ. Soc. Money and banking; business cycles; financial history. Publ: Co-auth, Investment banking and the new issues market, World, 67; auth, Monetary policy in a changing world, Quart. J. Econ; Consumer credit and economic growth, Consumer installment credit. Address: Dept. of Finance, Wharton School of Finance & Commerce, University of Pennsylvania, Philadelphia, Pa. 19104.
- MILLER, DR. EUGENE FERRELL, b. Atlanta, Ga, Oct. 1, 35; m. 58; c. 4. POLITICAL SCIENCE. B.A. Emory, 57, Danforth fel, 57-62, M.A. 62; Ph.D. (polit. sci), Chicago, 65. Instr. POLIT. SCI, Davidson Col, 62-63; ASST. PROF, Furman, 63-67; GEORGIA, 67- Polit. Sci. Asn. Political theory; philosophy of political science. Address: Dept. of Political Science, University of Georgia, Athens, Ga. 30601.
- MILLER, PROF. EUGENE H(ERBERT), b. West Leesport, Pa, Aug. 17, 12. POLITICAL SCIENCE. B.A. Ursinus Col, 33; A.M. Clark, 34, Ph.D. 40; Pennsylvania, 37-38; Harvard, 38. Mem. faculty, URSINUS COL, 35-41, PROF. POLIT. SCI. & CHMN. DEPT, 41-, acting dean men, 43-45, registr, 46-48. Sr. scientist, U.S. Army Inst. Adv. Studies, 66-68; prof, U.S. Army War Col, 67. Univ. Pennsylvania Penfield traveling scholar, Argentina, Brazil & Chile, 46-47; vis. prof, Lehigh, 47-58; Fulbright prof, Tokyo Univ. Fulbright lectr, Nat. Polit. Sci. Univ, Taipei, Repub. China, 62. Polit. Sci. Asn; For. Policy Asn. Far Eastern international relations; Canada, United States and Latin America; Indian foreign relations. Publ: Co-auth, Cases in American federal government, Prentice-Hall, 66; Statesmen and statecraft of the modern west, Clark Univ, 67. Address: 160 Ninth Ave, Collegeville, Pa. 19426.
- MILLER, PROF. E(UGENE) WILLARD, b. Turkey City, Pa, May 17, 15; m. 41. GEOGRAPHY. B.S. Pa. State Col, 37; A.M. Nebraska, 39; Ph.D.(geog), Ohio State, 42. Instr. geog, Ohio State, 41-43; asst. prof, Western Reserve, 43-44; geogr. Off. Strategic Serv, 44-45; head dept. GEOG, PA. STATE, 45-64, PROF, 49, ASST. DEAN RESIDENT INSTR. & CONTINUING ED, COL. EARTH & MINERAL SCI, 67-, asst. dean resident instr, 64-67. Nat. Sci. Found. grants, Int. Geog. Cong. Sweden, 60 & int. meeting, Pan. Am. Inst. Geog. & Hist, Venezuela, 63. Geog. ed, Thomas Y. Crowell Co. Mem. nat. resources cmt, Pan Am. Inst. Geog. & Hist, Mex, 60-67. Mem. exped. U.S. Dept. Army, Alaska, 48 & 50. Whitebeck award, 50. Fel. AAAS; Asn. Am. Geog. fel. Am. Geog. Soc; Nat. Coun. Geog. Ed; Am. Inst. Min. Metall. & Petrol. Eng; fel. Int. Inst. Arts & Letters. Mineral and world geography. Publ: Co-auth, The world's nations: an economic and regional geography, Lippincott, 58; auth, A geography of manufacturing, Prentice-Hall, 62; An economic atlas of Pennsylvania, Pa. State Planning Bd, 64. Address: 101 Mineral Sciences, Pennsylvania State University, University Park, Pa. 16802.
- MILLER, DR. FRANCIS G, b. Dec. 21, 33; U.S. citizen. PSYCHOLOGY. B.A. Temple, 57; M.A. Baylor, 59; Ph.D.(psychol), Southern Mississippi, 62. Instr. psychol, Baylor, 58-59; asst. prof, Howard Payne Col, 59-60, dean students, 60-62; prof. psychol. & teaching fel, Southern Mississippi, 62-64, dir. counseling, 64-65; from asst. prof. to assoc. prof. PSYCHOL, NICHOLLS STATE COL, 65-66, PROF. & HEAD DEPT, 66- Psychol. Asn; Personnel & Guid. Asn; Coun. Except. Children. Auditory Imagery. Address: Dept. of Psychology, Nicholls State College, Thibodaux, La. 70301.
- MILLER, PROF. FRANK, b. Cove, Ark, Feb. 11, 94; m. 22. AGRICULTURAL ECONOMICS. A.B. Park Col, 21; A.M. Nebraska, 37; Cornell, 38-39; Ph.D. Minnesota, 49. Teacher, high sch, Nebr, 21-23, supt. pub. schs, 23-27, 29-35, prin. high sch, 28-29; field rep, Metrop. Life Ins. Co, 27-28; agr. econ, Nebraska, 36-38, asst. exp. sta, 38-41, asst. prof. AGR. ECON, 41-47, assoc. prof, 47-49; PROF, MISSOURI, COLUMBIA, 49- Summer lectr, Southern Illinois, 67. U.S.N. 17-19. Agr. Econ. Asn. Factors influencing use of land resources; agricultural credit; land prices; water development plans, needs, problems and alternative solutions in the Meramec Basin; land values in relation to agricultural income; land use and community development patterns. Publ: Water use law in Missouri, 6/65, Effect of urban expansion on ownership, use and taxation of agricultural land, 4/66 & Agricultural adjustments in northern Missouri, 5/67, Mo. Agr. Exp. Sta. Address: 1712 Cliff Dr, Columbia, Mo. 65201.
- MILLER, PROF. FRANK B(ARTON), b. Reno, Nev, May 2, 21; m. 46; c. 4. INDUSTRIAL SOCIOLOGY. B.A. Reed Col, 43; M.S. Cornell, 49, fel. & Ph.D.(indust. & labor rels), 53. Dir. guid, Reed Col, 49-50; instr. ed. & psychol. & guid. dir, Gonzaga, 50-51; res. assoc, INDUST. & LABOR RELS, CORNELL, 53-54, asst. prof, 54-59, assoc. prof, 59-66, PROF, 66-, CHMN. DEPT. ORGN. BEHAV, 67- Med.C. U.S.A. 43-46. Fel. Sociol. Asn; Soc. Appl. Anthropol; Indust. Rel. Res. Asn. Universities as complex work organizations; mutual adaption of primary groups to large bureaucratic organization; personnel work; sociology of occupations. Publ: Co-auth, Industrial sociology & Personnel research contributions of United States universities, N.Y. Sch. Indust. Rel. 62; auth, Sex and the personnel manager, ILR Rev, 64. Address: 205 Texas Lane, Ithaca, N.Y. 14850.
- MILLER, DR. FRANK C(HARLES), b. Quincy, Ill, Feb. 11, 32; m. 54; c. 2. ANTHROPOLOGY. B.A. Carleton Col, 54; Woodrow Wilson & Ford Found. fels, Harvard, 54-55, Nat. Sci. Found. fel, 56-57, Dougherty Found. fel, 57-58, Soc. Sci. Res. Coun. fel, 59, Ph.D.(soc. anthrop), 60. Instr. sociol. & anthrop, Carleton Col, 58-61, asst. prof, 61-64; ASSOC. PROF. ANTHROP, MINNESOTA, MINNEAPOLIS, 64- ASST. DEAN INT. PROGS, 67- Nat. Sci. Found. res. grant, 60-61; Nat. Inst. Ment. Health res. grant, 61-64; lectr. & summer vis. instr, Minnesota, 61; Nat. Sci. Found. grant, 62-63; Nat. Sci. Found. fel, Cambridge, 63-64. Consult, ment. health proj, Indian Boarding Schs, 64-66; ment. health proj, Pine Ridge Indian Reservation, 66-; Indian hist. proj, Univ. South Dakota, 67- AAAS; fel. Anthropol. Asn; Ethnol. Soc. Cultural change; history and present status of anthropological theory; American Indians; Latin American area studies. Publ: Tzotzil domestic groups, J. Royal Anthropol. Soc, 64; Cultural change as decision-making, 65 & Humor in a Chippewa tribal council, 67, Ethnology. Address: Dept. of Anthropology, University of Minnesota, Minneapolis, Minn. 55455.
- MILLER, DR. FRANK DAILEY, b. Romney, W.Va, Feb. 8, 36; m. 61; c. 4. PSYCHOLOGY. B.A. West Virginia, 59, M.A. 61; Ph.D.(psychol), Iowa, 66. Teaching asst. PSYCHOL, West Virginia, 59-61; instr, Frostburg State Col, 61-63; res. asst, Iowa, 63-66; ASST. PROF, SOUTH DAKOTA, 66- U.S.A. 54-56. Learning and motivation in children. Address: 239 S. University St, Vermillion, S.Dak. 57069.
- MILLER, PROF. GEORGE A(RMITAGE), b. Charleston, W.Va, Feb. 3, 20; m. 39; c. 2. PSYCHOLOGY. B.A. Alabama, 40, M.A. 41; A.M. Harvard, 44, Ph.D.(psychol), 46. Res. fel, Harvard, 44-48, asst. prof. PSYCHOL, 48-51; assoc. prof, Mass. Inst. Tech, 51-55; Harvard, 55-58, PROF, 58-68; ROCKEFELLER UNIV, 68-, vis. prof, 67-68. AAAS; Psychol. Asn; Psychomotor. Soc; Physiol. Soc; Ling. Soc; Soc. Exp. Psychol; Acoustical Soc; Statist. Asn. Audition; perception of speech; psychology of communication. Publ: Language and communication. Address: Rockefeller University, New York, N.Y. 10021.
- MILLER, DR. GEORGE J, b. Sturgis, Mich, Feb. 7, 80; m. 07; c. 1. GEOGRAPHY. S.B. Chicago, 07, S.M. 13; hon. D.Ed, Eastern Michigan, 48. Prof. geog. & chmn. div. soc. studies, Mankato State Col, 13-48; prof. geog, Indiana, 48-52; RETIRED. Vis. prof, Cornell, 21; Chicago, 22; Eastern Michigan, 29; London, 31; Northwestern, 32, 33; teachers col, Columbia, 38; Wisconsin, 39. Fel. AAAS; Asn. Am. Geog.(past v.pres); Nat. Coun. Geog. Ed. (secy, 14-19; pres, 33; ed, J. Geog, award, 38). Geography of North America, especially United States and Canada; educational geography. Address: 2 Alexander Court, Normal, Ill. 61761.
- MILLER, DR. GEORGE L(ANE), b. Siloam Springs, Ark, Apr. 7, 23; m. 58; c. 1. ECONOMICS. B.A. Calif. State Col. Los Angeles, 58; Nat. Defense Ed. Act fel, Claremont Grad. Sch. & Grad. Center, 59-62, M.A. 63, Ph.D.(econ), 65. Instr. econ, Calif. State Col. Long Beach, 62-63; asst. prof, California Western, 63-64; Eastern Illinois, 64-65; FINANCE, Santa Clara, 65-66; ASSOC. PROF, NORTHERN ILLINOIS, 66- Fel, Mass. Inst. Tech, summer 67. U.S.M.C.R. 42-46, 1st Lt. Econ Asn; Economet. Soc; Statist. Asn; Finance Asn. Economics of professional spectator sports; world coffee market. Address: 2 Evergreen Circle, DeKalb, Ill. 60115.
- MILLER, DR. GERALD R(AYMOND), b. Muscatine, Iowa, Oct. 18, 31; m. 52; c. 3. COMMUNICATIONS, SOCIAL PSYCHOLOGY. B.A. Iowa, 57, M.A. 58, Ph.D.(speech), 61. Instr. speech, Iowa, 58-61; asst. prof, Washington (Seattle), 61-62; from asst. prof. to ASSOC. PROF. COMMUN. MICH. STATE, 62- U.S.A. 52-54. Psychol. Asn; Asn. Pub. Opinion Res. Attitude formation and change; small group behavior. Publ: Speech communication: a behavioral approach, Bobbs, 66. Address: Dept. of Communication, Michigan State University, 501 S. Kedzie Hall, East Lansing, Mich. 48823.

- MILLER, DR. GERALD REUBUSH, b. Roanoke, Va, Sept. 26, 34; m. 57; c. 2. PSYCHOLOGY. A.B. Hopkins, 59, Ph.D.(psychol), 63. Asst. prof. PSYCHOL, Sul Ross State Col, 63-65; TEXAS, EL PASO, 65-67, ASSOC. PROF, 67- Co-dir, U.S. Off. Ed. proj, 64-66, dir, 66-67. U.S.A. 54-57, Res, 57-64, S/Sgt. AAAS; Psychol. Asn. Verbal learning; psycholinguistics; statistics and experimental design. Publ: Extraexperimental transfer in serial recall, 63 & co-auth, Thirty-six prose passages calibrated for complexity, (in press), J. Verb. Learning & Verb. Behav; auth, Intrinsic organization of serial lists, Psychol. Rep, 65. Address: Dept. of Psychology, University of Texas, El Paso, Tex. 79999.
- MILLER, DR. GILBERT E, b. Livonia, Mo, Aug. 21, 24; m. 48; c. 2. PSYCHOLOGY. A.B. Drake, 50; M.S. Iowa State Col, 51; Ph.D. Purdue, 54. Training coordinator, Crucible Steel Co. of Am, 54-55; soc. scientist, Rand Corp, 55-57; human factors scientist, Syst. Develop. Corp, 57-58; res. scientist, Litton Industries, Inc, 58-61; prin. engr, aeronutronic div, Ford Motor Co, 61-65; MGR. HUMAN FACTORS SECT, DATA SYSTS. DIV, LITTON SYSTS, INC, 65- Assoc. prof, Los Angeles Pierce Col; Los Angeles State Col. U.S.N. 42-46, 51-52. Psychol. Asn; Statist. Asn. Personnel relations; selection and classification; criterion development; human engineering; operations research; training and training equipment; automated teaching. Publ: Some components of mechanical comprehension; Development of a methodology to determine visual requirements for job assignments. Address: 8000 Woodley, Van Nuys, Calif. 91406.
- MILLER, DR. GLENN H(AROLD), JR, b. Chapman, Kans, Aug. 23, 30; m. 60; c. 2. ECONOMICS. A.B. Kansas, 52, M.A. 54; Ph.D.(econ), Harvard, 65. Instr. econ. & asst. dir. bus. res, Kansas, 60-63; bus. economist, FED. RESERVE BANK KANSAS CITY, 64-67, RES. OFFICER & ECONOMIST, 67- Lectr, Missouri, Kansas City, 68. U.S.A. 54-56. Econ. Asn; Econ. Hist. Asn. Economic history; public finance and fiscal policy; national income analysis; business fluctuations. Publ: The Hawkes papers: a case study of a Kansas mortgage brokerage business, 1871-1888, Bus. Hist. Rev, fall 58. Address: Federal Reserve Bank of Kansas City, Kansas City, Mo. 64198.
- MILLER, PROF. GLENN W(ASSON), b. Harrisburg, Ill, Oct. 7, 11; m. 35; c. 1. LABOR ECONOMICS. B.Ed, South. Ill. Norm. Univ, 34; A.M. Illinois, 35, Ph.D. 39. Asst. ECON, Illinois, 35-39; instr, Toledo, 39-40; OHIO STATE, 40-42, asst. prof, 46-49, assoc. prof, 49-57, PROF, 57- Prin. labor analyst, War Manpower Cmn, 42-44; vis. prof, British Columbia; Arizona; Ohio Wesleyan; Kenyon Col; Mich. State; summer, Ford Found. fel, California, 61. U.S.M.C.R., 44-45. Econ. Asn; Indust. Rels. Res. Asn; Asn. Evolutionary Econ. Functioning and administration of trade unions; government policy toward labor; social security. Publ: American labor and the government; Problems of labor; co-auth, The practice of local union leadership, Ohio State, 65. Address: Dept. of Economics, Ohio State University, Columbus, Ohio 43210.
- MILLER, DR. GREGORY A(LLEN), b. Grand Rapids, Mich, Apr. 6, 19; m. 42; c. 3. COUNSELING PSYCHOLOGY. B.A. Olivet Col, 41; M.A. Mich. State, 48, Ph.D.(counseling & guid), 55. Psychologist, Traverse City State Hosp, Mich, 41-42, chief psychologist, 47-51; State Dept. Corrections, Mich, 52-55; from asst. prof. to ASSOC. PROF. COUNSELING, MICH. STATE, 55-Summer lectr, Florida, 67. U.S.A. 42-46, 1st Lt. Psychol. Asn; Personnel & Guid. Asn; Rehab. Asn. Individual psychological testing; vocational rehabilitation. Publ: Predictive efficiency of certain factors in selecting prisoners for trustee status; Psychology in prisons; Rehabilitation counseling: a two year look. Address: 431 Erickson Hall, Michigan State University, East Lansing, Mich. 48823.
- MILLER, PROF. HARLAN H, Econ, Sociol, see 10th ed, Soc. & Behav. Vols.
- MILLER, HAROLD V(INCENT), b. New Albany, Ind, Apr. 8, 09; m. 35; c. 4. GEOGRAPHY. B.S. Ball State Teachers Col, 32; M.S. Chicago, 34. Jr. geogr, Tenn. Valley Authority, 34-35, asst. geogr, 35-37, assoc. geogr, 37-40, assoc. regional planner, 40-44; dir. E. Tenn. Off, STATE PLANNING CMN, TENN, 44-48, EXEC. DIR. IN CHARGE OF STATEWIDE PLANNING, RES. & DEVELOP. PROG, 48- Consult, Nat. Resources Planning Bd, Wash, D.C, 42; planning & reconstruct, W. German Govt, 54; urban planning consult, Int. Coop. Admin, Thailand, 56. Pres, Asn. State Planning & Develop. Agencies, U.S. & Can, 54-55; Coun. State Planning Agencies, 67-68. Asn. Am. Geog.(ed, 46-49); Inst. Planners. City and regional planning; education of planners; industrial development of specific regions. Publ: Mr. Planning Commissioner; Chap. on State & local planning, In: Conservation of natural resources, Wiley, 65. Address: Tennessee State Planning Commission, 208 Central Services Bldg, Nashville, Tenn. 37219.
- MILLER, PROF. HASKELL M(ORRIS), b. Hubbard, Tex, July 10, 10; m. 30; c. 4. SOCIOLOGY. B.A. Southern Methodist, 32, M.A. 33; fel, N.Y. Univ, 38-40, Ph.D.(sociol), 41. Instr. sociol, Knoxville Col, 41; instr. relig, Tennessee, 42-44; prof. sociol. & v.pres, Emory & Henry Col, 46-49; PROF. sociol. & head dept, Chattanooga, 49-56; SOC. ETHICS, WESLEY THEOL. SEM, 56- Consult, State Dept. Ment. Health, Tenn, 56; res. consult. div. alcohol probs. & gen. welfare, Methodist Bd. Christian Soc. Concerns, 63-Chmn, Hamilton County Juvenile Court Cmn, 55-56; mem. soc. welfare cmt, dept. soc. justice, Nat. Coun. Churches of Christ, 64- Sociol. Asn; Acad. Polit. & Soc. Sci. Family life; race relations; sociology of religion. Publ: Understanding and preventing juvenile delinquency; Compassion and community: an appraisal of the church's changing role in social welfare; Barriers and bridges to brotherhood: understanding and improving intergroup relations. Address: Wesley Theological Seminary, 4400 Massachusetts Ave, N.W., Washington, D.C. 20016.
- MILLER, PROF. H(ENRY) LAURENCE, JR, b. Kansas City, Mo, Nov. 6, 25; m. 47; c. 3. ECONOMICS. A.B. Kansas, 47, M.A. 48; Rhodes scholar & B.A. Oxford, 50; fel, Harvard, 51-53, Ph.D.(econ), 56. Asst. prof. ECON, Smith Col, 53-57; from asst. prof. to assoc. prof, California, Los Angeles, 57-65; WADSWORTH A. WILLIAMS PROF, CARLETON COL, 65- U.S.A.A.F, 44-45. Econ. Asn; Finance Asn. Banking; monetary theory; economic theory. Publ: Co-auth, Some comments of the simultaneous-equations approach, Rev. Econ. & Statist; Anticipated and unanticipated consequences of public debt creation, *Economica*; On the Chicago School of Economics, J. Polit. Econ. Address: 30 Fareway Dr, Northfield, Minn. 55057.
- MILLER, PROF. HENRY S(IEFKE), b. North Tarrytown, N.Y, Aug. 18, 01; m. 25, 50; c. 3. ECONOMICS, STATISTICS. A.B. Columbia, 24, A.M. 29, fel. from Columbia to Bocconi, Italy, 37-38, Ph.D. 38. From assoc. prof. to PROF. ECON, QUEENS COL.(N.Y.), 38- Lectr, Columbia, 35-61; chief Italian unit, Bd. Econ. Warfare, 43-44; Fulbright lectr, Ankara, Turkey, 61-62. Econ. Asn; Statist. Asn. Price control in Fascist Italy. Publ: Economic statistics. Address: Dept. of Economics, Queens College, Flushing, N.Y. 11367.
- MILLER, DR. HERMAN P, b. New York, N.Y, Feb. 9, 21; m. 42; c. 2. ECONOMIC. B.S. City Col. New York, 42; M.A. George Washington, 50; Ph.D. American Univ, 54. Chief consumer income unit, U.S. BUR. CENSUS, 46-56, ed. hist. statist. revision proj, 56-58, spec. asst. off. dir, 59-67, CHIEF POP. DIV, 67- Adj. prof, Temple, 67- U.S.A.A.F, 43-46. Econ. Asn; Statist. Asn. Income distribution; consumer expenditures; labor force. Publ: Rich man, poor man; Poverty, American style; Income distribution in the U.S. Address: 105 Bluff Terrace, Silver Spring, Md. 20902.
- MILLER, PROF. HOWARD F, b. Buffalo, N.Y, Aug. 18, 20; m. 45; c. 2. POLITICAL SCIENCE. A.B. Syracuse, 42; M.P.A. Harvard, 47, summer, Littauer fel, 50, Ph.D. 55. Asst. prof. POLIT. SCI, SYRACUSE, 47-64, ASSOC. PROF, 64- Admin. dep. & dep. dir, State Div. Budget, N.Y., 56-59; secy, N.Y. State Assembly Ways & Means Cmt, 65- U.S.A. 42-45, Lt. Polit. Sci. Asn; Soc. Pub. Admin. Public budgeting and financial administration; American government and administration; comparative administration. Address: 118 Westchester Dr. N, Delmar, N.Y. 12054.
- MILLER, PROF. HOWARD G(EOURGE), b. Buffalo, N.Y, Apr. 19, 16; m. 48; c. 2. PSYCHOLOGY. B.S. State Univ. N.Y. Teachers Col, Buffalo, 37; M.A. Ohio State, 38; fcls, Pa. State, 48-51, Ph.D.(psychol), 51. Psychologist, Vet. Admin, 46-48; instr. psychol, Pa. State, 50-51; asst. prof. indust. mgt. & psychol, Carnegie Inst. Tech, 51-56; PROF. PSYCHOL. & CHMN. DEPT. N.C. STATE, 56- Consult, Psychol. Serv. of Pittsburgh, Pa, 52-56; Ford Found, 60-; Learning Inst. N.C. 64-66; Regional Ed. Lab. of Carolinas & Va, 66-67. Indust. psychol. consult, 56- AAAS; Psychol. Asn; Sociol. Asn; Statist. Asn. Industrial psychology; psychology of learning; educational psychology; theory of instruction. Address: Dept. of Psychology, North Carolina State University, Raleigh, N.C. 27607.
- MILLER, DR. HOWARD L(OWELL), b. Molalla, Ore, Oct. 18, 29; m. 52; c. 5. BUSINESS ECONOMICS. A.B. Northwest Nazarene Col, 53; M.S. Wyoming, 59; Ford Found. fel, Illinois, 62-64, Ph.D.(bus), 64. Asst. Wyoming, 58-59; assoc. bus. mgr. & head dept. econ, NORTHWEST NAZARENE COL, 61-64, BUS MGR. & HEAD DEPT. ECON, 64- U.S.N.R., 53-57, Lt. Econ. Asn; Finance Asn; Mkt. Asn. Economic theory; finance, college, corporate and government. Address: Dept. of Economics, Northwest Nazarene College, Nampa, Idaho 83651.
- MILLER, DR. HOWARD S(MITH), Am. Soc. Hist, Hist. of Sci, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MILLER, DR. IRWIN, Exp. Psychol, see 11th ed, Phys. & Biol. Vols. & Suppl. IV.
- MILLER, DR. IRWIN W(ILLIAM), JR, b. Grand Rapids, Mich, Jan. 3, 32; m. 57; c. 1. SOCIOLOGY, SOCIAL PSYCHOLOGY. A.B. Calvin Col, 57; M.A. Mich. State, 60, Mitre Corp. scholar, 61-64, Ph.D.(sociol, anthropol), 64. Mem. tech. staff, Mitre Corp, 60-66; MEM. PRFNL. STAFF, ARTHUR D. LITTLE, INC, 66- U.S.A.F, 51-54, S/Sgt. Sociol. Asn; Psychol. Asn; Rural Sociol. Soc.(award, 64). Social structure and personality; methodology; social survey. Publ: Co-auth, The occupational aspiration scale: theory, structure and correlates, Tech. Bull, 288, Mich. State, 63; Simulation of computer and operator procedures for tactical force employment planning, Mitre Tech. Paper-14, Mitre Corp, 65; A measure of level of occupational aspiration, Personnel & Guid. J, 1/64. Address: Arthur D. Little, Inc, Acorn Park, 35-157, Cambridge, Mass. 02140.
- MILLER, PROF. J. E(ARLL), Polit. Sci, see 10th ed, Soc. & Behav. Vols.
- MILLER, DR. J. JAMES, b. Greensburg, Pa, May 30, 24; m. 51; c. 4. INDUSTRIAL RELATIONS. B.Sc. St. Vincent Col, 44; scholar, Pennsylvania, 44, M.B.A. 45; Ph.D. Pittsburgh, 51. Asst. prof. mgt. & head dept, Duquesne, 46-49; assoc. prof. bus. & head dept. bus. admin, St. Vincent Col, 48-60; PROF. MGT. & CHMN. DEPT, DUQUESNE, 60- Soc. Adv. Mgt. Human relations; personnel administration. Publ: Man-work-and the computer, Personnel J, 64; Decision making, Nat. Off. Mgt. J, 64; Automation-job creation and unemployment, Acad. Mgt, 12/65. Address: R.D. 6, Box 245K, Greensburg, Pa. 15601.
- MILLER, DR. JAKE CHARLES, b. Hobe Sound, Fla, Dec. 28, 29; m. 56; c. 2. POLITICAL SCIENCE. B.A. Bethune-Cookman Col, 51; M.A. Illinois, 57; Ph.D.(polit. sci), North Carolina, 67. ASST. PROF. POLIT. SCI, Bethune-Cookman Col, 59-64; FISK, 67- U.S.M.C. 51-53. Polit. Sci. Asn; African Studies Asn. African and Caribbean politics. Address: Box 804, Fisk University, Nashville, Tenn. 37203.
- MILLER, DR. JAMES D, b. Evanston, Ill, Mar. 23, 30; m. 53; c. 3. PSYCHOLOGY. B.S. Wisconsin, 51; M.A. Indiana, 53; Ph.D.(psychol), 57. RES. ASSOC. PSYCHOL, Indiana, 56-60, CENT. INST. DEAF, 60- Asst. prof, Washington (St. Louis), 62-66, assoc. prof, 66- Acoustical Soc. Am; Psychonomic Soc. Hearing; noise; learning; speech. Publ: Temporary hearing loss and masking for noise of uniform spectrum level, J. Acoust. Soc. Am, 30: 517-522; Deafening effects of noise on the cat, *Acta Otolaryngologica Suppl*, 176, 63; Guinea pig's immobility response to sound, J. Comp. Physiol. Psychol, 66: 227-233. Address: Central Institute for the Deaf, 818 S. Euclid, St. Louis, Mo. 63110.
- MILLER, PROF. J(AMES) ERROLL, Polit. Sci, see 10th ed, Soc. & Behav. Vols.

MILLER, PROF. J(AMES) G(ORMLY), b. Rochester, N.Y., Jan. 5, 14. **INDUSTRIAL & LABOR RELATIONS**. A.B. Rochester, 36; B.S. Columbia, 38. Sr. asst. Pub. Library, Rochester, N.Y., 38-42, acting head soc. sci. div., 46; assoc. prof. **INDUST. & LABOR RELS.** CORNELL, 49-56, PROF., 56-. **ASST. DIR. PERSONNEL & BUDGET, LIBRARIES**, 64-. librarian, N.Y. State Sch. Indus. & Labor Rel., 46-64. Hist. res. analyst, ord. dept., U.S. Dept. War, 42-43; sr. supvr. bur. adult ed., State Dept. Ed., N.Y., 46. Consult., library prog., U.S. Dept. Labor, 65-. **U.S.A.**, 43-46. **Indust. Rels. Res. Asn.**; **Library Asn.**; **Spec. Libraries Asn.** Sources of information on union-management relations; classification of local municipal documents. Address: Cornell University Library, Ithaca, N.Y. 14850.

MILLER, DR. JAMES GRIER, Neuropsychiat, Psychol, see 11th ed, Phys. & Biol. Vols.

MILLER, PRES. JAMES W(ILLIAM), b. Brockton, Mass, Apr. 7, 13. **POLITICAL SCIENCE**. A.B., Amherst Col, 35; A.M., Minnesota, 38, Ph.D., 48; hon. LL.B., Michigan Tech, 62, Olivet Col, 65. Instr. polit. sci., Mich. State, 40-42, asst. prof., 46-49, from assoc. prof. to prof., 49-61, dir. summer workshop, state & local govt, 48, 50, 51; **PRES. WESTERN MICHIGAN**, 61- Mem. bd. dirs., Detroit Br., Fed. Reserve Bank Chicago, 62-67. Task force dir. state joint legis., Cmt. Reorgn. State Govt, Mich; mem. Gov. Cmn. Total Res. in Mgt., 66-. **Polit. Sci. Asn.**; **Acad. Polit. & Soc. Sci.** British political parties; state administration reorganization, Michigan. Address: Office of the President, Western Michigan University, Kalamazoo, Mich. 49001.

MILLER, DR. JAMES W(ODELL), b. Detroit, Mich, June 30, 27; m. 51; c. 2. **EXPERIMENTAL & ENGINEERING PSYCHOLOGY**. B.A. Mich. State, 49, M.A., 50, Ph.D.(psychol), 56. Claims adjustor, Wolverine Ins. Co, 50-52; res. assoc. physiol. optics, Kresge Eye Inst, 52-60; staff engr, human factors sect, Hughes Aircraft Co, 60-63; **HEAD ENG. PSYCHOL. OFF. NAVAL RES.**, 63- Mem. cmt. vision, Nat. Acad. Sci-Nat. Res. Coun, 59-65, dep. chmn, 65-; mem. bd. exam, Civil Serv. Cmn, 66- Superior civilian serv. & Arthur S. Flemming awards, 66. Hosp.C, 45-46, Res., 49-, Lt. Psychol. Asn.; Aerospace Med. Asn.; Human Factors Soc; Optical Soc. Human factors research: diver performance; visual physiology and perception; man-machine relations research administration. Publ: A critical review of the human aspects of low-level, high-speed flight, NATO, Lisbon, Portugal, 64; co-auth, The effect of relative motion on visual acuity, Surv. Ophthal, 62; auth, The measurement of human performance, SEALAB II, Trans. Marine Tech. Soc., 66. Address: Code 455, Office of Naval Research, Washington, D.C. 20360.

MILLER, DR. JARVIS E(RNEST), b. Tex, May 30, 29; m. 52; c. 4. **AGRICULTURAL ECONOMICS**. B.S. Agr. & Mech. Col, Tex, 50; M.S. Purdue, 51, Ph.D., 54. Asst. Purdue, 50-53; from asst. to assoc. prof. agr. econ. Agr. & Mech. Col, Tex, 55-61; agr. econ. adv. U.S. Agency Int. Develop, Argentina, 61-63, rural develop. officer, 63-65, chief party, Texas A&M-U.S. Agency Int. Develop. contract, Dominican Repub, 65-67; **ASST. DIR. TEX. AGR. EXP. STA. TEXAS A&M**, 67-. **U.S.A.F.**, 53-55. Agr. Econ. Asn. Economics of livestock marketing. Address: Texas Agricultural Experiment Station, Texas A&M University, College Station, Tex. 77843.

MILLER, DR. JEROME S(TANLEY), b. Boston, Mass, Mar. 1, 17; m. 48; c. 1. **PSYCHOLOGY**. B.S. N.Y. Univ, 51; fel. Ohio State, 52, M.A., 53, Ph.D., 55. Psychologist, Ohio Bur. Juvenile Res, 55; asst. prof. psychol, Nebraska, 55-57; Texas, 57-60; psychologist, U.S. PUB. HEALTH SERV, 60-65, consult. psychol, European Area, Paris, 65-67, SR. SCIENTIST, RES. SUPPORT SERV. CLIN. RES. CENTER, NAT. INST. MENT. HEALTH, LEXINGTON, KY, 67- Adj. assoc. prof. Kentucky, 63- Consult, Vet. Admin, 58-60. **U.S.A.A.F.**, 41-46, Res., 46-60, Lt. Col. Psychol. Asn. Personality theory; identification and model selection; risk-taking and decision-making behavior. Address: 3228 Saxon Dr., Lexington, Ky. 40503.

MILLER, DR. JERRY L(EE) L(AMASNEY), b. Webster City, Iowa, Sept. 6, 31; m. 54. **SOCIOLOGY, SOCIAL PSYCHOLOGY**. B.A., Oklahoma, 53, M.A., 54; Ph.D., Fla. State, 59. Instr. SOCIOLOG. Emory, 59-61, asst. prof., 61-62; **ARIZONA**, 62-63, **ASSOC. PROF.**, 63- Mem. prinl. staff, Ga. Inst. Tech., 60-61. **U.S.A.R.**, 51-56, Med.C., 54-56. Sociol. Asn; Statist. Asn. Sociology of formal organization; statistical analysis. Publ: Preference factors and supply decisions in hospitals, Ga. Inst. Tech. Exp. Sta. Bull. Address: Dept. of Sociology, University of Arizona, Tucson, Ariz. 85721.

MILLER, PROF. JOHN L(ESTER), Econ, Sociol, see 10th ed, Soc. & Behav. Vols, deceased 62.

MILLER, DEAN JOHN PERRY, b. Lynn, Mass, Mar. 26, 11; m. 42; c. 2. **ECONOMICS**. A.B., Harvard, 32, A.M., 34, Ph.D., 37; hon. M.A., Yale, 50. Asst. ECON. Harvard, 34-35, instr. & tutor, 37-39; instr., Princeton, 35-37; vis. lectr., YALE, 39-40, asst. prof., 40-45, assoc. prof., 46-50, **PROF.**, 50-, **DEAN GRAD. SCH.**, 61-, dir. soc. sci., 59-61. Summer, Walker Ames prof., Washington (Seattle), 60. Dir. Soc. Sci. Res. Coun, 53-59, mem. exec. cmt., 53-54, 55-56, v.chmn., 58-59, chmn. cmt. anal. econ. census data, 56-63; mem. exec. cmt., Coun. Grad. Schs., 65-; acad. adv. coun., Kirkland Col, 67-; pres., An. Grad. Schs., 67-68, mem. exec. cmt. coun., 66-69. Dir. New Haven Col, 62-; Aetna Life & Casualty, 63-; South. New Eng. Tel. Co., 63- Am. Econ. Asn; Royal Econ. Soc. Industrial organization and control; history of economic thought. Publ: Ed. & co-auth, Competition, cartels and their regulation; Unfair competition; Pricing of military procurements. Address: 111 Hall of Graduate Studies, Yale University, New Haven, Conn. 06520.

MILLER, DR. J(OHN) ROBERT, b. Waterloo, Iowa, Oct. 15, 13; m. 48; c. 3. **MARKETING**. B.A., Iowa, 35, M.A., 36, Ph.D.(mkt), 50; Illinois, 39-40. Statistician, Scott McIntyre & Co, 36-37; prof. econ., William Penn Col, 37-39; res. dir., Assoc. Credit Bur. Am, 40-44; Mortgage Bankers Asn. Am, 44-45; mem. client serv. staff, A.C. Nielsen Co, 45; mgr. statist. reports, Mkt. Res. Corp. Am, 45-46; assoc. ed., Finance Mag, 46; instr. econ., Juniata Col, 46-47; assoc. prof. mkt. & chmn. dept., Drake, 47-51; prof. bus. admin. & head mkt. sect., Texas A&M, 51-52; asst. res. dir. & chmn. regional plans bd., Gardner Advert. Co, 52-58; mgr. mkt. res., Nutrena Div, Cargill, Inc,

58-59; asst. mkt. res. dir., Knox Reeves Advert. Co, 59-60; res. media dir., Aubrey, Findlay, Marley & Hodgson, Inc, 60-62; v.pres. & mkt. dir., Creswell, Munsell, Schubert & Zirbel, Inc, 62-65; **PROF. MKT. STATE UNIV. N.Y. ALBANY**, 65- Lectr., univ. col., Washington (St. Louis), 55-58. **Mkt. Asn.**; **Acad. Advert.** Agricultural marketing research; radio listening habits and television viewing habits of farmers; consumer panel operations. Publ: Employment in selected Iowa industries, 1923-1934, Iowa State Planning Bd, 36; The market for business manuscripts, Faculty-Student Asn, State Univ. N.Y. Albany, 67; Preparation for students of marketing research, J. Mkt. Res, 2/67. Address: School of Business, State University of New York at Albany, Albany, N.Y. 12203.

MILLER, J(OHN) T(HOMAS), b. Alliance, Nebr., Jan. 9, 03; m. 29. **ECONOMICS**. B.A., Drake, 26. Mem. staff bur. mkt. anal., Meredith Pub. Co, 26-33; mem. firm, Gen. Mkt. Counselors, N.Y., 33-35; dir. res., Meredith Corp, 35-68; **RES. CONSULT.**, 68- **U.S.N.R.**, 42-45. Statist. Asn; Mkt. Asn; Asn. Pub. Opinion Res. Attitude and opinion; marketing; editorial; sampling techniques. Address: 3842 Lanewood Dr., Des Moines, Iowa 50311.

MILLER, DR. JOHN W(ILLIAM), b. St. Louis, Mo, July 13, 15. **ECONOMICS, PUBLIC FINANCE**. A.M., St. Louis, 46, Ph.D., 49. Dir., Archdiocesan Labor Sch, Mo, 47-50; lectr., Kenrick Sem, 50; asst. prof. econ., St. Louis, 50-51; **DIR. CATH. CHARITIES OF ST. LOUIS**, 59-. **U.S.A.**, 41-46. Econ. Asn; Arbit. Asn. Address: 4140 Lindell Blvd, St. Louis, Mo. 63108.

MILLER, DR. J(ONAH) MARK, b. Ochlochnee, Ga, May 23, 27; m. 51; c. 4. **BUSINESS ADMINISTRATION, ECONOMICS**. B.S., Fla. State, 59, M.S., 61; Ph.D.(bus. admin), La. State, 64. Bus. mgr., Andrew Col, 56-59; asst. mgt., Fla. State, 59-61; bus. admin., La. State, 61-63, instr., 63-64; **ASSOC. PROF.**, W.G.A. COL, 64-, **CHMN. DIV. BUS. & ECON. STUDIES**, 68-, head dept. bus. admin, 65-68. **U.S.N.**, 45-48; **U.S.A.F.**, 50-54, S/Sgt. Mkt. Asn. Nature of labor supply and labor demands in the West Georgia area. Address: Division of Business & Economic Studies, West Georgia College, Carrollton, Ga. 30117.

MILLER, PROF. JUNE B., b. Olathe, Kans, June 23, 18. **AUDIOLOGY**. B.S., Washington (St. Louis), 40; M.A., Columbia, 48, Nat. Inst. Neurol. Diseases & Blindness fel., 55-56, Ed.D., 58. Teacher, pub. sch, Mo, 40-47; deaf ed., Lexington Sch. Deaf, N.Y., 47-48; asst. prof., Oklahoma, 48-49; assoc. prof. **AUDIOL. MED. CENTER, KANSAS**, 49-60, **PROF.**, 60- Lectr., 49-60. Consult, State Dept. Spec. Ed, Kans, 51-60; Am. Found. Blind, 59-61. Mem., Nat. Hearing Conserv. Cmt, 59; White House Conf. Children & Youth, 60; mem. res. cmt. Conf. Execs. of Schs. for Deaf; adv. cmt. training teachers of deaf, U.S. Off. Ed, 62; Coun. Ed. of Deaf, 62-65. Fel. Speech & Hearing Asn; Alexander Graham Bell Asn. for Deaf (secy, 62-66, v.pres, 66, pre-elect, 67); Acad. Rehab. Audiol. Development of speech and use of residual hearing for the very young deaf child; screening tests of hearing for the infant. Publ: Practices in language instruction, Except. Children, 4/64; Institute for parents and their deaf children, Volta Res, 4/64; Curriculum development, In: Proceedings of international conference on oral education of the deaf, Vol. II, 67. Address: Dept. of Audiology, University of Kansas Medical Center, 39th & Rainbow, Kansas City, Kans. 66103.

MILLER, DR. KENNETH E(DWARD), b. Brooklyn, N.Y., June 17, 29; m. 59; c. 2. **SOCIOLOGY**. B.A., Alabama, 53, M.A., 56; Ph.D.(sociol), Duke, 65. Admin. asst., Mfrs-Hanover Bank, 54-55; res. sociologist, Univ. Alabama, 56-57; asst. to pres. & dir. develop., Jacksonville Univ, 57-60; dir., Health Coun, Birmingham, Ala, 60-62; res. fel. SOCIOLOG. Duke, 65-66; **ASST. PROF.**, EMORY, 66- Assoc. dir., Community Planning Coun, Birmingham, 60-62. Consult, N.C. Fund, 65-66; southeast. tech. assistance panel, Off. Econ. Opportunity, 66- **U.S.N.**, 46-48; **U.S.A.F.R.**, 53-55, 1st Lt. Sociol. Asn. Urban social organization; complex social systems; social stratification. Address: Dept. of Sociology & Anthropology, Emory University, Atlanta, Ga. 30322.

MILLER, PROF. KENNETH E(UGENE), b. Chapman, Kans, July 6, 26; m. 51; c. 2. **POLITICAL SCIENCE**. A.B., Kansas, 49, M.A., 51; Ph.D.(polit. sci), Hopkins, 55. Instr. **POLIT. SCI.**, Rutgers, 55-56; Hunter Col, 56-57; asst. prof., **RUTGERS**, 57-62, assoc. prof., 62-67, **PROF.**, 67-, **CHMN. DEPT.**, 61-, faculty fel., 67-68. Fulbright sr. res. scholar, Copenhagen, 62-63. **U.S.A.**, 45-46. **Polit. Sci. Asn.** Comparative politics; European governments; American political theory. Publ: Socialism and foreign policy, Martinus Nijhoff, 67; Government and politics in Denmark, Houghton, 68. Address: Dept. of Political Science, Rutgers, The State University, Newark, N.J. 07102.

MILLER, PROF. K(ENNETH) E(VERETT), b. Adams Co, Ind, Mar. 29, 03; m. 31; c. 2. **ECONOMICS, STATISTICS**. M.B.A., Northwestern, 30; C.P.A., Illinois, 30. Statistician, commercial res. dept., Montgomery Ward, 32-33; mem. econ. res. dept., Armour & Co, 33-49, mgr., 49-60; asst. prof. **AGR. ECON.**, MISSOURI, COLUMBIA, 60-63, **ASSOC. PROF.**, 63-, **RES. ASSOC.**, 60- Lectr., Northwestern, 39, 48-51; YMCA Col, 42-43; participant seminars, Australia & Japan, fall 67; for. study leave, 67. Consult, Off. Price Admin, 42-43. Ed. **Bus. & Govt. Rev.**, 60- Am. Statist. Asn. mem., nat. adv. cmt., U.S. Bur. Census. Statist. Asn; Agr. Econ. Asn; Asn. Bus. Econ. Business economics for internal use by company management; graphic presentation; commodity price analysis. Publ: Co-auth, Missouri business trends for retailing, wholesaling and selected services, Univ. Missouri Res. Center, 66, Trends in crops, Mo. Col. Agr. SB837, 66 & Chain store common stocks as investments, Harvard Bus. Rev, 30. Address: Research Center, University of Missouri School of Business and Public Administration, Columbia, Mo. 65201.

MILLER, PROF. KENT S(AMUEL), b. Fremont, N.C., Nov. 19, 27; m. 50; c. 3. **PSYCHOLOGY**. B.S., Col. William & Mary, 49; M.A., Missouri, 51; Ph.D., Texas, 55; S.M.(hyg), Harvard, 61. Supvr. div. ment. health, Leon County Health Dept, 55-63; assoc. prof. **PSYCHOL. & SOCIOLOG.**, FLA STATE, 63-67, **PROF.**, 67- Asst. prof., Fla. State, 56-58. Consult, bur. ment. health, State Bd. Health, 59-; community rels. serv., U.S. Dept. Commerce, 64-66; tech. progs. assistance br., Nat. Inst. Ment. Health, 67, center for study of metrop. & regional ment. health probs, 67- **U.S.A.**, 46; **U.S.P.H.S.**, 60-, Sr. Asst. Scientist. Fel. Psychol. Asn. Personality development; psychological

- stress; community mental health. Publ: Co-auth, Mental health and the lower social classes, Fla. State, 66; auth, Effects of need-achievement and self-ideal discrepancy on performance under stress, J. Personality; Comparative psychological studies of Negroes and whites in the United States, Psychol. Bull. Address: 2003 E. Randolph Circle, Tallahassee, Fla. 32303.
- MILLER, DR. LEONARD F(RED), b. Agra, Kans, May 26, 15; m. 34; c. 2. AGRICULTURAL ECONOMICS. B.S. Kans. State Col, 36, M.S. 38; Gen. Ed. Bd. fel. & Ph.D. Wisconsin, 42. Asst. prof. agr. econ, West Virginia, 40-43; sr. exten. econ, D.C., 43-46; prof. agr. econ, Pa. State, 46-54; prof. & head dept, Okla. State, 54-61; dean, COL. AGR. HAILE SELASSIE, 61-65, CHIEF PARTY & ADV. FOR ADMIN, 66- Chief plans & prog. br, Mutual Security Agency, France, 50-52. Mem, Int. Conf. Agr. Econ. Agr. Econ. Assn. Agricultural finance and economic development. Publ: Developing Ethiopia's agriculture, 3/63 & Organization and operation of three Ethiopian case farms, 3/65, Exp. Sta. Bull. Address: 409 Orchard Lane, Stillwater, Okla. 74074.
- MILLER, DR. LOUIS, b. Montreal, Que, Feb. 18, 28; m. 53; c. 2. SOCIAL PSYCHOLOGY. A.B. Sir Geo. Williams Col, 55; Ph.D.(soc. psychol), Rochester, 60. Instr. psychol, Rochester, 57-59; res. assoc, center res. soc. behav, Delaware, 60-62; res. specialist, Gen. Elec. Co, Ky, 62-65; SR. STAFF PSYCHOLOGIST, SPINDLETOP RES. CENTER, 65- AAAS; Psychol. Assn. Organizational behavior; decision making; mathematical models of behavior. Address: Spindletop Research Center, Lexington, Ky. 40505.
- MILLER, LOUIS L(a RUE), Bus. Admin, see 10th ed, Soc. & Behav. Vols.
- MILLER, DR. LOUISE B(RIGHTWELL), b. Frankfort, Ky, May 16, 21; m. 42. PSYCHOLOGY. A.B. Kentucky, 42, Ph.D.(exp. psychol), 59; M.A. Louisville, 55. Instr. psychol, Kentucky, 56; res. psychologist, LOUISVILLE, 57-60, asst. prof. PSYCHOL, 60-67, ASSOC. PROF, 67- Instr, Indiana, 59-60. Psychol. Assn. Nature of reinforcement; developmental processes, especially discrimination learning. Publ: Monetary reward and motivation in discrimination learning & Supplementary report; monetary reward and motivation in discrimination learning: sex differences, J. Exp. Psychol; Learning a visual pattern discrimination with and without KOR, Psychonomic Sci, 66. Address: Dept. of Psychology, University of Louisville, Louisville, Ky. 40208.
- MILLER, PROF. LOVICK C(HRISTOPHER), b. Athens, Ga, Sept. 4, 23; m. 47; c. 2. CLINICAL PSYCHOLOGY. A.B. North Carolina, 47; Ph.D. Harvard, 53. Intern, Judge Baker Child Guid. Clin, 49-50; assoc. prof. psychol, SCH. MED. LOUISVILLE, 50-67, DIR. RES. CHILD PSYCHIAT. RES. CENTER, 66-, PROF. CLIN. PSYCHOL, UNIV, 67- Psychologist, Phillips Exeter Acad, 50-; therapist, guid. camp trust, 50-51; assoc, child psychiat. unit, Mass. Gen. Hosp, Boston, 51; supvr. proj. testing, State Div. Ment. Hyg, 52-53; assoc, med. sch, Harvard, 54, lectr, sem. training prog, 54-55; chief psychologist, Louisville Child Guid. Clin, 57-66. U.S.A.A.F., 43-45, 2nd Lt. Effect of parent personality upon child personality; psychopathology. Publ: Short-term therapy with adolescents, 24: 772-779 & Q-short agreement among observers of children, 34: 71-75, Am. J. Orthopsychiat; Louisville behavior check list for males, 6-12 years of age, Psychol. Reports, 21: 885-896. Address: Child Psychiatry Research Center, University of Louisville, 608 S. Jackson St, Louisville, Ky. 40202.
- MILLER, PROF. LYLE L(ESLIE), b. Deer Lodge, Mont, Aug. 20, 19; m. 42; c. 2. PSYCHOLOGY. B.S. Mont. State Col, 40; M.S. Southern California, 44; Ph.D. Ohio State, 49. Teacher, high sch, Mont, 40-42; indust. personnel work, Walter Butler Co, Idaho, 42-43; Douglas Aircraft Co. & Calif. Flyers, 43-44; teacher & guid. coord, high sch, Mont, 44-46; asst. jr. dean col. ed, Ohio State, 46-49; assoc. prof. & supvr. student employ, WYOMING, 49-53, PROF. GUID. ED. & CHMN. GUID. & COUNSELOR ED, 53. Consult, regional off, U.S. Soc. Security Admin, 60-; div. higher ed, U.S. Off. Ed, 61- Psychol. Assn; Soc. Group Psychother. & Psychodrama; Personnel & Guid. Assn; Assn. Counsr. Ed. & Supv.(past pres); Nat. Ed. Assn. Study skill techniques; development reading; counselor education. Publ: Counseling leads; Increasing reading efficiency; Developing reading efficiency. Address: 37 Education Hall, University of Wyoming, Laramie, Wyo. 82070.
- MILLER, PROF. MARILYN E(VELYN), b. Canton, Ohio, Mar. 8, 24. PSYCHOLOGY. B.S. Kent State, 49, M.A., 51; Ph.D.(exp. psychol), Indiana, 60. Asst. testing & counseling, Kent State, 49-51; psychol, Indiana, 53-56, teaching assoc. exp. psychol, 56, asst. PSYCHOL, 57; instr, WISCONSIN, MILWAUKEE, 57-60, asst. prof, 60-65, ASSOC. PROF, 65- Psychol. Assn. Experimental psychology; experimental design and statistics; learning. Publ: Co-auth, Role of the intertrial interval in discrimination and reversal learning, J. Comp. & Physiol. Psychol. & Effect of constant versus varied pairing of simultaneous intentional and incidental learning materials, 3/64 & auth, Right-response preference in probability learning and reversal, J. Exp. Psychol, 5/66. Address: Dept. of Psychology, University of Wisconsin, 3203 Downer Ave, Milwaukee, Wis. 53201.
- MILLER, DR. MARVIN FRED, b. Chicago, Ill, Sept. 16, 24; m. 44; c. 4. PSYCHIATRY. M.D. Iowa, 49. Asst. prof. PSYCHIAT, SCH. MED. LA. STATE, 57-60, ASSOC. PROF, 60- U.S.P.H.S., 49-57, Med. Dir. Psychiat. Assn. Address: Dept. of Psychiatry, Louisiana State University School of Medicine, 1542 Tulane Ave, New Orleans, La. 70112.
- MILLER, DR. MASON E, b. Ord, Nebr, July 9, 22; m. 44; c. 3. COMMUNICATIONS. B.A. Colorado, 48; M.S. Northwestern, 49; Ph.D.(commun), Mich. State, 64. Res. ed. agr, Washington State, 49-59; reports ed, nat. proj. agr. commun. MICH. STATE, 59-60, DIR. INST. EXTEN. PERSONNEL DEVELOP, 61- Participant, proj. changeover, Union Res. & Experimentation Higher Ed, 68. Consult, alcoholism studies & diffusion proj, Univ. Iowa, 64; Mich. State, 68. U.S.A., 40-45, T/Sgt. Rural Sociol. Soc. Soc. Appl. Anthropol. Communication and change, individual and social. Publ: Co-auth, Specialist and agent: men in the middle, J. Coop. Exten, spring 64. Address: 1717 Cahill Dr, East Lansing, Mich. 48823.
- MILLER, DR. MAURINE R, Psychol, see 10th ed, Soc. & Behav. Vols.
- MILLER, DR. MELBA M(AXINE), b. Udall, Kans, Oct. 18, 09. EDUCATIONAL PSYCHOLOGY. A.B. California, Los Angeles, 31; M.A. Columbia, 39; Ed.D. Southern California, 53; Michigan, 42-45. Asst. prof. orthop, Eastern Michigan, 42-45; SUPT, State Sch. Cerebral Palsied Children, 46-67; DIAG. SCH. NEUROL. HANDICAPPED CHILDREN, SOUTH. CALIF., CALIF. STATE DEPT. ED, 67- Fulbright lectr, Inst. Neurol, Milan, Italy, 59-60; summers, vis. lectr, California, 46, asst. prof, San Francisco State Col, 47, 48, 51, vis. prof, Los Angeles State Col, 54, Syracuse, 55, 56, 62, Fulbright lectr, Teachers Workshop, Sicily, 60, Univ. Jyväskylä, Finland, 60, 66. Coun. Except. Children.(secy, 53-54); Psychol. Assn. Learning and emotional problems and psychological evaluation of children handicapped by involvement of the central nervous system; counseling of parents of handicapped children. Publ: Cephalocutaneous telangiectasia, J. Diseases of Childhood; Perceptual difficulties of young cerebral palsied children, Proc. London Conf. Sci. Study Ment. Deficiency. Address: 3357 Villa Grove Dr, Altadena, Calif. 91001.
- MILLER, DR. MIETZL, b. Seminole, Okla, May 23, 28. ECONOMICS. B.A. Texas Woman's Univ, 48, M.A., 55; fel. Ball State, 63-65, Ph.D.(soc. sci), 65. Instr. Am. hist. econ, Texas, Arlington, 59-61, ECON, 61-63; ASSOC. PROF, LAMAR STATE COL, 65-, Res. Center res. grants, 66-68. Equal Employ. Opportunity Cmn. res. grant, 67-68. Am. Studies Assn; Econ. Assn. Development of human resources, especially the cultural gap and aspects of creative federalism. Address: Dept. of Economics, Lamar State College of Technology, Beaumont, Tex. 77704.
- MILLER, DR. MILTON (LEONARD), Psychiat, see 11th ed, Phys. & Biol. Vols.
- MILLER, DR. MUNGO, b. Detroit, Mich, July 27, 17; m. 39; c. 5. PSYCHOLOGY. A.B. Michigan, 39, M.A., 40; M.A. Princeton, 48, Ph.D.(psychol), 52. Chmn. dept. psychol, Lake Forest Col, 49-52; consult. psychologist & partner, Rohrer, Hibler & Replogle, 53-63; PRES, AFFILIATED PSYCHOL. SERV, 63- U.S.A., 41-47, Lt. Col. AAAS; Psychol. Assn. Management development; survey research; psychological assessment; motivation. Publ: Waukegan study of voter turnout prediction; Initial visual experience in rats. Address: 4777 N. Bartlett Dr, Milwaukee, Wis. 53211.
- MILLER, PROF. NEAL E(LGAR), Exp. Psychol, see 11th ed, Phys. & Biol. Vols.
- MILLER, DR. NEIL, b. Philadelphia, Pa, Apr. 4, 31; m. 54; c. 2. PSYCHOLOGY. A.B. Temple, 53, M.A., 54, Ph.D., 59. Asst. psychol, Temple, 53-55; ASSOC. DIR. MGT. PSYCHOLOGISTS INC, 55- Psychol. Assn. Administration of psychological testing; morale surveys; psychological characteristics of successful executives and salesmen; construction of psychological tests. Publ: Forced choice measure of employee attitude, J. Eng. & Indust. Psychol. Address: 615 Wayland Rd, Plymouth Meeting, Pa. 19462.
- MILLER, DR. NORMAN, b. New York, N.Y., Nov. 29, 33; m. 54. SOCIAL PSYCHOLOGY. B.A. Antioch Col, 56; M.S. Northwestern, 57, Ph.D.(psychol), 59. Instr. PSYCHOL, Northwestern, 58; asst. prof, Yale, 59-65; ASSOC. PROF, California, Riverside, 65-66; MINNESOTA, MINNEAPOLIS, 66- AAAS; Psychol. Assn. Attitude change; basic social processes; social power. Publ: Recency and primacy in persuasion as a function of the timing of speeches and measurements, J. Abnorm. & Soc. Psychol; Involvement and dogmatism as inhibitors of attitude change, J. Exp. Soc. Psychol, 1: 121-32, 65; co-auth, Group dynamics, Annual Rev. Psychol, 67. Address: 494 Ford Hall, University of Minnesota, Minneapolis, Minn. 55455.
- MILLER, DR. NORMAN, Sociol, see 10th ed, Soc. & Behav. Vols.
- MILLER, PROF. OSCAR, b. Chicago, Ill, Oct. 1, 20; m. 45; c. 2. ECONOMICS. A.B. Cent. YMCA Col, 43; M.A. Chicago, 46; Northwestern, 48-54. Instr. ECON, Wright Br. Chicago City Jr. Col, 46-48; ILLINOIS, CHICAGO, 48-62, asst. prof, 62-67, ASSOC. PROF. & ASST. DEAN COL. BUS. ADMIN, 67- U.S.N., 43-46, Lt.(jg). Econ. Assn. Economics; public finance; money and banking; economic theory and history. Address: 4638 W. Dempster, Skokie, Ill. 60076.
- MILLER, DR. OWEN WINSTON, Indust. Eng, see 11th ed, Suppl. IV to Phys. & Biol. Vols.
- MILLER, PRES. PAUL A(USBORN), Sociol, Anthropol, see 10th ed, Soc. & Behav. Vols.
- MILLER, PROF. PAUL D(ANIEL), Econ. Bus. Admin, see 10th ed, Soc. & Behav. Vols.
- MILLER, DR. R(AYMOND) N(ORRIS), Econ, see 10th ed, Soc. & Behav. Vols, deceased 67.
- MILLER, DR. RAYMOND WILEY, b. San Jose, Calif, Jan. 21, 95; m. 19; c. 2. PUBLIC RELATIONS. Hon. LL.D. St. John's (Minn), 42; LL.B. LaSalle, 43. Pres. & gen. counsel, Am. Inst. Coop, 45-48; vis. lectr. pub. rels. & world affairs, grad. sch. bus. admin, Harvard, 48-64; PRES, PUB. RES. ASSOCS, INC, 50-; WORLD TRADE RELS, INC, 44- Vis. lectr, grad. sch. pub. & int. affairs, Pittsburgh, 59- Consult, Food & Agr. Orgn, Univ, 49-56; tech. coop. admin, U.S. Dept. State, 52-53. George Washington honor medal, Freedoms Found, 68. Agr. Econ. Assn; Mkt. Assn; Bar Assn; Soc. Int. Law. International trade. Publ: Can capitalism compete?, Ronald, 59; A conservative looks at cooperatives, Ohio Univ, 64; We funny Methodists, Spiritual Life Pub, 65. Address: World Trade Relations, Inc, 1005 Dupont Circle Bldg, Washington, D.C. 20036.
- MILLER, DR. REUBEN G(EORGE), b. Philadelphia, Pa, Mar. 28, 30; m. 55. ECONOMICS. B.A. LaSalle Col, 52; Am-Scandinavian Found. fel, Stockholm, 53-54, dipl, 54, Soc. Sci. Res. Coun. fel, 58-59; M.A. Montana State, 56; Ph.D.(econ), Ohio State, 66. Asst. ECON, Montana State, 52-53; asst. instr, Ohio State, 55-57; acting asst. prof, Oberlin Col, 57-58; instr. Massachusetts, 59-68, ASST. PROF, 66-67; SMITH COL, 67- Vis. lectr, Conn.

Col. 60; Fulbright-Hayes lectr. col. law, Taiwan, 65-66; vis. lectr. Hartford Col. Women, 67-68. Summer consult, New Eng. Tel. & Tel. Co. 67. Am. Econ. Assn; Finance Assn. Royal Econ. Soc; Econ. Soc. Sweden. Macroeconomic theory; money, banking and finance; international trade; economic thought and developments in Sweden; welfare economics. Publ: Co-auth, Economics and its significance, 65 & Prologue to economic understanding, 66, C.E. Merrill; auth, The economics of Knut Wicksell, J. Soc. Sci, Taiwan, autumn 67. Address: Dept. of Economics, Smith College, Northampton, Mass. 01060.

MILLER, DR. RICHARD A(LAN), b. Springfield, Ohio, Feb. 25, 31; m. 56; c. 3. ECONOMICS. B.A. Oberlin Col, 52; Columbia, 56; M.A. Yale, 57, Ph.D.(econ), 62. Instr. ECON. WESLEYAN, 60-62, asst. prof. 62-67, AS-SOC. PROF. 67- Nat. Sci. Found. sci. faculty fel, 64-65 & res. fel, 65-69; vis. assoc. prof. Yale, 67-68. U.S.N.R. 52-55, Lt.(jg). Econ. Assn; Economet. Soc. Microeconomic analysis and industrial organization; market structure and industrial behavior and performance. Publ: Exclusive dealing in the petroleum industry, Yale Econ. Essays, 63; Marginal concentration ratios and industrial profit rates, South. Econ. J, 67. Address: Dept. of Economics, Wesleyan University, Middletown, Conn. 06457.

MILLER, DR. RICHARD B(ATEMAN), b. Middletown, Ohio, May 24, 10. PSYCHOLOGY. B.S. Columbia, 35; M.A. Stanford, 40, Ph.D.(psychol), 50. INSTR. PSYCHOL. SAN DIEGO CITY COL, 47- Private practice, 46- U.S.N.R. 41-44, Lt. AAAS; Psychol. Assn. Tests and measurements; adjustment; interpersonal relations. Address: 5844 Beaumont Ave, La Jolla, Calif. 92037.

MILLER, DR. RICHARD I, b. Fairbury, Nebr, Feb. 1, 24; m. 55; c. 3. SOCIAL SCIENCE, EDUCATION. B.S. Nebraska, 47; M.Ed. Springfield Col, 48; Illinois, 50-52; Ed.D. Columbia, 58. Observer to UN, Nat. Ed. Assn, 58-60, assoc. dir. proj. instr. 60-63, assoc. dir. center study instr. 63-64; ASSOC. PROF. ED. & DIR. PROG. ED. CHANGE, KENTUCKY, 65- Mem. res. & develop. cmt. Nat. Coun. Soc. Studies, 67-70. U.S.A. 43-44. Assn. Higher Ed. Process of educational change; effective utilization of federal monies; trends and directions of American education; teacher education. Publ: Dag Hammarskjöld and crisis diplomacy, Oceana, 61; co-auth, Perspectives on educational change, Appleton, 67 & Quality rankings of Kentucky school districts, Bur. Sch. Serv. Univ. Kentucky, 68. Address: Program on Educational Change, University of Kentucky, Lexington, Ky. 40506.

MILLER, RICHARD J, b. Crookston, Minn, Apr. 21, 18; m. 43; c. 3. STATISTICS. B.A. Mich. State, 41; M.S. Iowa State, 47. HEAD STATIST. ANAL. SECT. MKT. RES. DEPT. UPJOHN CO, 52- U.S.A.A.F. 42-46, 1st Lt. Statist. Assn; Mkt. Assn. Statistical analysis; marketing research. Address: Upjohn Co, 7000 Portage Rd, Kalamazoo, Mich. 49002.

MILLER, DR. RICHARD ULRIC, b. New York, N.Y., Sept. 6, 32; m. 54; c. 2. INDUSTRIAL RELATIONS, ECONOMIC DEVELOPMENT. B.B.A. Miami (Fla), 58; M.S. Cornell, 60, Doherty Found. fel, 64-65, univ. fel, summers, 64, 65, Ph.D.(indust. rels), 66. Employ. interviewer, placement serv, Miami (Fla), 57-58; instr. bus. admin. col. bus. & pub. admin, Arizona, 60-62; asst. prof. indust. rels, State Univ. N.Y. Buffalo, 65-66; ASST. PROF. INT. BUS. & INDUST. RELS. & ASST. DIR. CENTER INT. BUS. RES. WISCONSIN, 66-, grad. faculty fel, 67. U.S.N. 51-55. Indust. Rel. Res. Assn; Latin Am. Studies Assn. Latin American labor and economic problems; Canadian labor problems; U.S. industrial relations problems. Publ: The enigma of section 8(b) of the Wagner Act, 1/65 & Arbitration of new contract wage disputes: some recent trends, Indust. & Labor Rel. Rev, 1/67; The impact of labor legislation on Mexican industrial relations institutions, Indust. Rel. 2/68. Address: Graduate School of Business, University of Wisconsin, Madison, Wis. 53706.

MILLER, PROF. ROBERT AINSWORTH, b. Bokchito, Okla. Feb. 28, 21; m. 45; c. 1. GEOGRAPHY. M.S. Okla. State, 48; Mich. State, 58-61. ASST. PROF. GEOG. & GEOL. NORTH TEXAS STATE, 48- U.S.N. 42-46, Lt.(jg). Assn. Am. Geog; Nat. Coun. Geog. Ed. Physical, soil and agricultural geography. Address: Dept. of Geography & Geology, North Texas State University, Denton, Tex. 76203.

MILLER, DR. ROBERT B(RUCE), b. Milwaukee, Wis, Aug. 20, 10; m. 43; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Missouri, 42; Ph.D.(psychol), Yale, 47. Asst. prof. psychol. Vermont, 47-48; assoc. prof. & chmn. dept. Washington & Jefferson Col, 48-50; prog. dir, Am. Inst. Res. 50-57; SR. ENGR. INT. BUS. MACH. CORP, 57- Lectr. Carnegie Inst. Tech. 52; part-time adj. prof. Union Col.(N.Y.), 65- Consult. sci. adv. bd, U.S. Dept. Air Force, 57-58; U.S. Dept. Defense, 58- U.S.A.A.F. 42-45. Psychol. Assn. Man-machine system design; human learning; automated teaching; problem-solving and decision-making. Publ: Method for man-machine task analysis, Task and part-task trainers and training Handbook on training and training equipment design, Rep. Wright Air Develop. Center. Address: Colonial House, South Rd, Poughkeepsie, N.Y. 12601.

MILLER, PROF. ROBERT E, b. New York, N.Y., Aug. 28, 21; m. 63; c. 2. ECONOMICS. A.B. Miami (Fla), 49, A.M. 50; Ford Found. fcls, Harvard, 57 & Pennsylvania, 62; Ph.D.(econ), Bryn Mawr Col, 63. Instr. statist. Miami (Fla), 50-51; asst. treas. Universal Pictures Co, 54-55; asst. prof. econ, Southern California, 55-58; assoc. prof. Villanova, 58-63; prof. econ. & chmn. dept. Tampa, 63-65; PROF. ECON. & BUS. & CHMN. DEPT. SAN DIEGO, 65- UN lectr. grant, Eastern European Nations, 66. Pres. & owner Universal Statist. Inc, 55-58; consult. San Diego Chamber Commerce, 65-67; sr. economist, U.S. Dept. State, Agency Int. Develop, Pakistan, 67-68. Mem. President's Export Expansion Coun. for South. Calif, 67; San Diego Mayor's Int. Affairs Coun, 67. U.S.A. 44-47, 51-53, Res. 53-, Lt. Col. Econ. Assn. Teacher economics and quantitative analysis; administration; business, government & legal journalism. Publ: International management education, Neuz Züricher Zeitung, 66; Mathematics for management, UN, Int. Labor Off, 67; Economics of personal injury litigation, Univ. San Diego Law Rev, 68. Address: Dept. of Economics, University of San Diego, Alcalá Park, San Diego, Calif. 92110.

MILLER, PROF. ROBERT E(ARLE), b. Warren, Pa, Apr. 29, 26; m. 48; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Allegheny Col, 49; M.S. Pittsburgh, 51, Ph.D.(psychol), 53. Instr. CLIN. SCI. SCH. MED. PITTSBURGH, 53-54, asst. prof. 54-56, assoc. prof. 57-64, PROF. 64- U.S.N. 44-48. AAAS; Psychol. Assn. Learning; physiological psychology; experimental social psychology. Publ: Experimental approaches to the physiological and behavioral concomitants of affective communication in rhesus monkeys, In: Social communication among primates, Univ. Chicago, 67; co-auth, The communication of affects between feral and socially isolated monkeys, J. Personality & Soc. Psychol, 67; Cardiac conditioned responses in avoidance and yoked-control rats, Psychonomic Sci, 67. Address: 540 Lucia Rd, Pittsburgh, Pa. 15221.

MILLER, DR. ROBERT E(RNEST), b. Lawrence, Mass, Apr. 18, 21; m. 48, 67. PSYCHOLOGY. A.B. Northeastern, 47; M.A. Boston, 48; Ph.D. Minnesota, 57. Instr. psychol. & sociol. Pa. State, 48-50; instr. & psychometrist, Agr. & Mech. Col. Tex, 53-57, asst. prof. & couns. 57-59; RES. PSYCHOLOGIST, PERSONNEL RES. LAB, AEROSPACE MED. DIV, LACKLAND AIR FORCE BASE, 59- Med. Dept, 42-45, Sgt. Psychol. Assn; Coun. Measurement in Ed; Assn. Aviation Psychol. Personnel selection and classification; measurement of personality and aptitudes; psychological test development; performance evaluation, especially of leadership; verbal behavior. Publ: Predicting achievement of cadets in their first two years at the Air Force Academy; Prediction of technical training criteria from AFQOT composites; Selection of engineering students for an abbreviated mathematics sequence. Address: 6570th Personnel Research Lab, P.O. Box 1557, Lackland Air Force Base, Tex. 78236.

MILLER, PROF. ROBERT J(AMES), b. Detroit, Mich, Sept. 18, 23; m. 43; c. 3. ANTHROPOLOGY. A.B. Michigan, 48; univ. fcls, Washington (Seattle), 48-50, 51-52, Soc. Sci. Res. Coun. fel, 52-53, Ford Found. fel, 53-55, Ph.D. (anthrop), 55. Res. anthropologist, Inner Asia Proj, Washington (Seattle), 55-56; asst. prof. anthrop, Washington (St. Louis), 56-59; ANTHROP. & INDIAN STUDIES, WISCONSIN, 59-61, from assoc. prof. to PROF, 61- Consult, Mo. Hist. Bldg. Cmn, 58-59. U.S.C.G.R. 42-44. Fel. Anthropol. Assn; Ethnol. Soc; Assn. Asian Studies. Culture change; religion; political organization; anthropological theory; culture-history of Asia, especially Himalayas, Inner Asia and India; American Northwest Coast Indians. Publ: Buddhist monastic economy, In: Comparative studies in society and history; Monasteries and culture change in Inner Mongolia. Address: Dept. of Anthropology, University of Wisconsin, Madison, Wis. 53706.

MILLER, PROF. R(OBERT) T(HOMAS), b. Winnsboro, Tex, Feb. 17, 20; m. 49; c. 2. POLITICAL SCIENCE. A.B. & M.A. Baylor, 41; Ph.D. Texas, 54. Prof. polit. sci, Baylor, 46-61; admin. asst. U.S. House Rep, 61-62; PROF. POLIT. SCI, BAYLOR, 62- U.S.N.R. 42-46, Lt. Polit. Sci. Assn. American government; church state in constitutional law. Publ: Co-auth, Church and state; contrib, The teacher's yoke, Baylor, 64; co-auth, Church and state in scripture, history and constitutional law. Address: Dept. of Political Science, Baylor University, Waco, Tex. 76703.

MILLER, DR. ROBERT VERN, b. Kansas City, Mo, Mar. 20, 30; m. 52; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. Kansas, 52; M.Ed. Illinois, 54, M.A. 55, Ph.D.(ed), 60. Instr. child develop, Illinois, 55-56; ED. PSYCHOL, Massachusetts, 57-60; ASST. PROF. WAYNE STATE, 60- U.S.N.R. 48-57. Psychol. Assn. Interrelationships among the variables of self concept, social perception, interpersonal relations and group dynamics. Publ: Social status and socioempathic differences among mentally superior, mentally typical and mentally retarded children, J. Except. Children. Address: Dept. of Clinical & Educational Psychology, School of Education, Wayne State University, Detroit, Mich. 48202.

MILLER, DR. ROBERT W(ILLIAM), b. Ecorse, Mich, Aug. 30, 23; m. 51. POLITICAL SCIENCE. B.M. Michigan, 49, M.M. 50, Ph.D.(polit. sci), 60; Vienna, 54; Fed. Repub. of Germany grant, Univs. Munich & Bonn, 58-59. ASST. PROF. POLIT. SCI, Lamar State Col, 59-60; WAYNE STATE, 60- Polit. Sci. Assn. Complexion, role and importance of mass organizations in Soviet satellite countries; political and constitutional problems of Laender-Bund relations in present West Germany. Publ: United States policy toward Germany, 1945-55; Recent efforts toward legal regulation of political parties in Western Germany. Address: Dept. of Political Science, Wayne State University, Detroit, Mich. 48202.

MILLER, PROF. ROGER F(REDERICK), b. Buffalo, N.Y., Sept. 30, 28; div; c. 3. ECONOMICS. B.A. Princeton, 49; M.B.A. Pennsylvania, 51; Ph.D. (econ), California, 58. Res. asst. ECON, McGraw Hill Pub. Co, 52-53; assoc. California, 57-58; asst. prof. WISCONSIN, 58-62, assoc. prof. 62-67, PROF, 67- Asst. dir. soc. systs. res. inst. Wisconsin, 60-62, budget dir, 62-64, exec. dir, 64-65; vis. assoc. prof. California, Berkeley, detached to Center of Planning & Econ. Res, Athens, Greece, 65-66. Consult, Bur. Budget, U.S. Govt, 67- Mem. prog. cmt. Coun. Soc. Sci. Data Arch. U.S.A. 53-55. Econ. Assn; Statist. Assn; Economet. Soc. Economic theory; statistics; mathematical economics; econometrics; money and banking; public finance; behavior of non-bank financial institutions. Publ: Note on theory of investment and production, Quart. J. Econ, 11/59; Theory of household saving, Rev. Econ. & Statist, 2/63; co-auth, A model of household investment in financial assets, In: Determinants of investment behavior, Nat. Bur. Econ. Res, 67. Address: Dept. of Economics, University of Wisconsin, Madison, Wis. 53706.

MILLER, DR. RONALD E(UGENE), b. Seattle, Wash, Sept. 1, 33. ECONOMICS. A.B. Harvard, 55; Fulbright grant, Univs. Heidelberg & Munich, 55-56; A.M. Washington (Seattle), 57; Princeton Nat. univ. & Nat. Sci. Found. fcls, Princeton, 57-61, Ph.D. 61. Res. assoc. econ, Princeton, 61-62; asst. prof. REGIONAL SCI, WHARTON SCH, PENNSYLVANIA, 62-65, ASSOC. PROF, 65- Managing ed, J. Regional Sci. Econ. Assn; Regional Sci. Assn. Mathematical economics and econometrics. Publ: Domestic airline efficiency, M.I.T. Press, 63; The technical development of modern aviation, Routledge & Kegan Paul, 68; Interregional feedback effects in input-output models: some preliminary results, Papers, Regional Sci. Assn, 66. Address: Dept. of Regional Science, Wharton School, University of Pennsylvania, Philadelphia, Pa. 19104.

MILLER, DR. RUTH A, b. Albany, N.Y., Jan. 15, 26; m. 49; c. 3. POLITICAL SCIENCE. A.B. Vassar, 46; M.N. Yale, 49; J.D. Southern California, 66. Pub. health nurse, Los Angeles County Health Dept, 53-57; adult ed. instr. health, Whittier Union High Sch. Dist, Calif, 56-59; dean women, WHITTIER COL, 59-61, instr. POLIT. SCI. & PUB. ADMIN, 61-66, ASST. PROF, 66-, PRELAW ADV, 67- Constitutional implications of solutions to local and urban area problems. Address: Dept. of Political Science, Whittier College, Whittier, Calif. 90608.

MILLER, DR. SEYMOUR H(AROLD), b. Chicago, Ill, Mar. 26, 18; m. 57; c. 1. ECONOMICS, FINANCE. B.A. Chicago, 39; Ph.D. Columbia, 57; Paris, 48-50. Asst. statistician, U.S. Bur. Census, 40-41; asst. economist, War Prod. Bd, 42; economist, Civilian Prod. Admin, 46-47; U.S. Dept. Commerce, 52-53; Fed. Reserve Bank of San Francisco, 56-59; Am. Bankers Assn, 59-62; Agency Int. Develop, 62-64; assoc. prof. finance, Santa Clara, 64-65; ECON-OMIST, U.S. DEPT. COMMERCE, 66- U.S.A. 42-46. Econ. Asn; Finance Asn. Monetary policy; banking; business cycles. Publ: Economics of tight money, Proc. Annual Conf. West. Econ. Asn; Inflation in France, 1939-1952. Address: 5846 N. 21st St, Arlington, Va. 22205.

MILLER, PROF. S(EYMOUR) M(ICHAE), b. Philadelphia, Pa, Nov. 21, 22. SOCIOLOGY. B.A. Brooklyn Col, 43; M.A. Columbia, 45; Wyman fel, Princeton, 45-46, A.M. 46, Ph.D.(sociol, econ), 51. Asst. Nat. Bur. Econ. Res, 45; asst. regional economist, Fed. Pub. Housing Admin, 46-47; instr, Rutgers, 47-49; from lectr. to assoc. prof. sociol. & anthrop, Brooklyn Col, 49-61, chmn. soc. sci. group, 53-57; prof. sociol. & res. assoc. youth develop. center, Syracuse, 61-65; PROF. ED. & SOCIOL, N.Y. UNIV, 65-; PROG. ADV. SOC. DEVELOP, FORD FOUND, 66- Conf. aide, Princeton, 46; assoc. planning proj. adv. training soc. res, Columbia, 52-53; res. assoc, Rockland County Ment. Health Bd, 57-58. Sociol. Asn; Econ. Asn; Soc. Study Social Probs; Indust. Rels. Res. Asn. Social stratification; industrial sociology; socioeconomic organization. Publ: Ed, Applied sociology; co-auth, Social class and social policy, Basic Books, 68; The school dropout problem in Syracuse. Address: Ford Foundation, 320 E. 43rd St, New York, N.Y. 10022.

MILLER, DR SOLOMON, b. Philadelphia, Pa, Jan. 9, 22; m. 56. ANTHROPOLOGY. B.S. Temple, 49; Ph.D.(anthrop), Columbia, 64. Res. asst. ANTHROPOL, Univ. Illinois, 57-60; asst. curator, Mus. Am. Indian, 60-62; instr, Brooklyn Col, 62-66; ASST. PROF, NEW SCH. SOC. RES, 67- Mem. Cmn. Study Community Bolivia, Res. Inst. Study Man, 66. U.S.A. 42-45. Fel. Anthrop. Asn; Ethnol. Soc. Peasant societies in Latin America. Publ: Co-auth, Contemporary change of traditional societies, Univ. Illinois, 67; auth, Proletarianization of Indian peasants in highland Peru, Trans. N.Y. Acad. Sci, 5/65. Address: 187 E. Broadway, New York, N.Y. 10002. Hobart Col, 44-50; St. Mary's Sch, N.J., 49-50; Koinonia Found, 65- Mem. joint cmt, Work Student Exchange with Germany, 25-31; del. World Conf. Adult Ed, Cambridge Univ, 29; World Conf. Progressive Ed, Elsinore, 29; mem. exec. cmt, Nat. Occup. Conf, 29-36; del. Soc. Work Conf. Adult Ed, Vienna, 37; mem. World Conf. Ed. in Democracy, Teachers Col, Columbia, 39; guest, Brit. Ministry Info. to Study Post-War Planning in Gt. Brit, 43; del. Int. Conf. Christians & Jews, Oxford, 47; accredited visitor, Formation of World Coun. Churches, Amsterdam, 48. Round table leader, Inst. Pub. Affairs, Univ. Virginia, 30-40; dir. Nat. Coun. Parent Ed, 36; secy, Int. Labor Off. Cmt, 37-40; assoc. dir. Am. Youth Cmn, 39-; round table leader labor probs, Republican Conf. Polit. Policies, Northwestern, 40; secy. citizens cmt, N.Y. Pub. Libraries & Carnegie Corp, 40-42; pres, State Cmt. Constitutional Revision, N.J., 41-44; chmn, State Traffic Adv. Cmt, 42-47; hwy cmnr, State of N.J., 42-50; chmn, State Constitution Found, 44-47; secy, Cmn. Self-Help to Germany, 49. Award, Adult Students Assn,

MILLER, DR. SPENCER, JR, b. Worcester, Mass, July 2, 91; m. 28, 57, 60; c. 2. AMERICAN GOVERNMENT. A.B. Amherst Col, 12; A.M. Columbia, 14; LL.D. Kenyon Col, 37, Am. Int. Col, 50, Amherst Col, 51; D.Litt, Rutgers, 43. Co-founder & dir. Workers Ed. Bur. Am. N.Y., 21-42; lectr. indust. rels, sch. commerce, N.Y. Univ, 40-46, grad. sch. bus, 45-46, adj. prof. mgt, sch. commerce, 46-50, prof. & pres, Am. Int. Col, 50-53; adj. prof. indust. rels, grad. sch. bus, N.Y. Univ, 54-63; RETIRED. Lectr, Harlech Col, Wales, 29; Rutgers, 31-50, Spencer Miller, Jr. lectr, 50-68; lectr, sch. soc. work, Fordham, 33-35; asst. secy. labor, 53-54; chancellor, Formosa Christian Univ, 55-56; lectr, Inst. Int. Understanding, Denmark, 64; Chautauqua Inst. N.Y., 66. Consult. indust. rels, Nat. Coun. Episcopal Church, 28-42; tech. adv. first Am. del. Int. Labor Conf, 35; World Christian Youth Cong, Netherlands, 39; Off. Prod. Mgt, D.C., 41; external adv. Int. Labor Off, Geneva, 45; consult, House Cmn. Ed. & Labor, 54; Off. Defense Mobilization, 54-55. Trustee, South Orange-Maplewood Adult Sch, 40-50; N.Y. Bd. Ed, 44; Youth & Citizenship award, 48; Distinguished serv. award, Rutgers, 48. Arbit. Asn; Acad. Polit. Sci. Labor and education; workers education in the United States; highways and history. Publ: Ed, What international labor organization means to America, Columbia, 38; co-auth, The church and industry, Longmans Green, 39 & Highways in our national life, Princeton, 50. Address: 217 Turrell Ave, South Orange, N.J. 07079.

MILLER, DR. STANLEY FRANK, b. Idaho Falls, Idaho, Oct. 13, 35; m. 60; c. 1. AGRICULTURAL ECONOMICS. B.S. Brigham Young, 60; M.S. Utah State, 62; Ph.D.(agr. econ), Oregon State, 65. Res. asst. agr. econ, Utah State, 60-61; AGR. ECONOMIST, farm prod. econ. div, econ. res. serv, U.S. Dept. Agr, 61-62, resource develop. econ. div, 62-66; IRI RES. INST, INC, 66- Agr. Econ. Asn. Natural resource economics especially water; river basin evaluation and development; economics of domestic and international agricultural production. Publ: Co-auth, Irrigation water values in the Willamette Valley. A study of alternative valuation methods, Tech. Bull. 85, 9/65, Economic analysis of water, nitrogen and seedling rate relationship in corn production on wood-burn soils, Tech. Bull. 120, 1/66 & River basin planning—a simulation approach, Spec. Report 244, 11/66, Oregon Agr. Exp. Sta. Address: U.S. Agency International Development, IRI Research Institute, Inc, RDJ, APO, New York 09676.

MILLER, DR. STEPHEN J, b. Seacucus, N.J., Sept. 11, 36; m. 60; c. 3. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.S. St. Peter's Col.(N.J.), 58; Ph.D. (sociol), St. Louis, 63. Res. asst. med. sociol, St. Louis, 58-61; psychol,

Jewish Hosp, Washington (St. Louis) Univs, 60-62; resident sociologist, Community Studies, Inc, Kansas City, Mo, 62-64; ASSOC. PROF. SOCIAL. BRANDEIS, 63- Summers, vis. asst. prof, Washington (St. Louis), 65 & 66, vis. sociologist, Midwest Coun. Soc. Res, 67. Consult, Community Studies, Inc, 64-65; Med. Care Res. Center, St. Louis, Mo, 65; consult, sociologist, Asn. Am. Med. Cols, 66-; consult, dept. pub. assistance, R.I., 67. Mem. adv. cmt, bd. controls, Kansas City Gen. Hosp, Mo, 63. Soc. Study Social Probs. Medical education and the social organization of medical care; sociology of professions. Publ: Co-auth, A division of nursing labor, Smith-Grievies Co, 65; auth, The social base of sales behavior, Soc. Probs, 64; Exchange and negotiated learning in medical education, Sociol. Quart, 66. Address: Dept. of Sociology, Brandeis University, Waltham, Mass. 02154.

MILLER, DR. STUART C, b. New York, N.Y., June 2, 27; m. 55; c. 2. SOCIAL SCIENCE, HISTORY. B.A. Colgate, 50; M.A. Columbia, 55, Ph.D.(hist), 66. ASSOC. PROF. SOC. SCI, SAN FRANCISCO STATE COL, 62- Interdisciplinary analysis; immigration history; assimilation processes. Publ: American images of the Chinese, 1785-1882, Univ. California, 69; American trader's image of the Chinese, Pac. Hist. Rev, 11/67. Address: Dept. of Social Sciences, San Francisco State College, San Francisco, Calif. 94132.

MILLER, PROF. TAULMAN A(LLAIRE), b. Asbury Park, N.J., July 11, 10; m. 37; c. 2. ECONOMICS. A.B. Amherst Col, 31; M.A. Yale, 34, Ph.D. (econ), 43. Instr. ECON, Wesleyan, 36-37; INDIANA, 37-46, asst. prof, 46-51, assoc. prof, 51-57, acting chmn. dept, 55-56, chmn. dept, 56-65, PROF, 57- Consult, U.S. Off. Ed, 66. U.S.N.R., 44-46, Lt. Comdr. Econ. Asn; Indust. Rels. Res. Asn. Labor economics; social security. Publ: Co-auth, Unemployment benefits, experience rating and employment, Nat. Tax J; Financing employment security in Indiana; Kansas unemployment insurance system. Address: Dept. of Economics, Indiana University, Bloomington, Ind. 47401.

MILLER, DR. THOMAS A(LAN), b. Sundance, Wyo, Sept. 19, 37; m. 59; c. 2. AGRICULTURAL ECONOMICS. B.S. Wyoming, 59, M.S., 61; Ph.D.(agr. econ), Iowa State, 67. AGRICULTURAL ECONOMIST, Kansas State Univ, summer 61, FARM PROD. ECON. DIV, ECON. RES. SERV, U.S. DEPT. AGR, 61-63, Iowa State Univ, 63-67, COLORADO STATE UNIV, 67- Agr. Econ. Asn. Adjustment problems faced by agriculture in meeting changing economic conditions. Publ: Co-auth, Evaluation of a firm model in estimating aggregate supply response, N.Cent. Regional Res. Pub. Number 179, Iowa State Univ, 68 & Linear programming applied to cost minimizing farm management strategies, J. Farm Econ, 8/64; auth, Sufficient conditions for exact aggregation in linear programming models, Agr. Econ. Res, 4/66. Address: Dept. of Economics, Colorado State University, Ft. Collins, Colo. 80521.

MILLER, PROF. THOMAS EUGENE, b. Slick, Okla, Sept. 25, 26; m; c. 2. ORGANIZATIONAL BEHAVIOR, COMMUNICATIONS. B.A. Northwestern, 49, M.A., 50, Ph.D.(gen. semantics, commun), 57; fel, Harvard, 52-54. Instr. human rels, bus. sch, Harvard, 53-54; res. assoc. sch. bus, Northwestern, 54-56, asst. prof. bus. admin, 56-59; assoc. prof. ORGN. BEHAV. & COMMUN, Kansas, 59-64; PROF, MISSOURI, KANSAS CITY, 64- Med.C. U.S.A., 45-46, Sgt. Int. Soc. Gen. Semantics; Speech Asn. Study of man-in-organization and its implication for administrative practices, especially interpersonal behavior and communications. Publ: The Briggs Box Company study & The Lightner Company study, In: Casebook on interpersonal behavior in organizations, Wiley, 64. Address: School of Administration, University of Missouri, Kansas City, Mo. 64110.

MILLER, PROF. VINCENT, b. Swissvale, Pa, May 11, 32; m. 60; c. 1. GEOGRAPHY. B.S. Muskingum Col, 54; M.S. Pa. State, 57; Oslo, 59; Mich. State, 60-62. Soc. sci. asst. GEOG, U.S. Army Res. Command, 57-59; instr, Col. Wooster, 59-60; ASSOC. PROF, INDIANA UNIV, PA, 62- Teaching assoc, Danforth Found, 65- Qm.C. U.S.A., 54-56. Asn. Am. Geog; Arctic Inst. N.Am. Geographic methodology—research design; political geography; geography of Europe, Scandinavia and arctic regions. Publ: Microclimates of missile sites, U.S. Army Res. Command, 58; Observations on the goals and methods of region courses, J. Geog, 60; Geography and prehistory, Pa. Geogr, 68. Address: Dept. of Geography, Indiana University of Pennsylvania, Indiana, Pa. 15701.

MILLER, DR. WALTER B(ENSON), b. Philadelphia, Pa, Feb. 7, 20. CULTURAL ANTHROPOLOGY. M.A. Chicago, 50; Ph.D.(soc. anthrop), Harvard, 54. Asst. Fox Indian Proj, Chicago, 48-52; anthrop. & pub. health proj, sch. pub. health, Harvard, 53-55; res. assoc. soc. work & dir. res. delinquency control proj, Boston 55-64, asst. res. prof, 64-65, lectr, 57; RES. ASSOC, HARVARD-MASS. INST. TECH. JOINT CENTER URBAN STUDIES, 65- Lectr, sch. soc. work, Simmons Col, 57-58; grad. sch. ed, Harvard, 58-61, dept. soc. rels, 67-68. Proj. consult, President's Cmt. Juvenile Delinquency & Youth Crime, 62-65; staff res. consult, Youth Activities Cmn, City of Boston, 65- Mem. delinquency cmt, Soc. Sci. Res. Coun, 59-60. U.S.A., 42-45. Fel. Anthropol. Asn; Sociol. Asn; Soc. Appl. Anthropol; Int. Soc. Criminol. Political organization; United States social system. Publ: Authority and collective action in Fox Society; Lower class culture as a generating milieu of gang delinquency, Soc. Issues; The impact of a total-community delinquency-control project, Soc. Probs, 2/62. Address: 9 Sibley Court, Cambridge, Mass. 02138.

MILLER, DR. WALTER G(EOERGE), b. Jamaica, W.I., Jan. 30, 19; nat; m. 59; c. 1. AGRICULTURAL ECONOMICS. B.S. California, 51, M.S., 53; Ph.D., Iowa State, 56. Land settlement officer, Lands Dept, W.I., 42-46; res. assoc. agr. econ, Iowa State, 53-56; res. economist, farm econ. div, Econ. Res. Serv, U.S. Dept. Agr, 56-62; land use economist, Food & Agr. Orgn. U.N., 62-65; AGR. ECONOMIST, NATURAL RESOURCES ECON. DIV, ECON. RES. SERV, U.S. DEPT. AGR, 65- Award, U.S. Dept Agr, 61. Agr. Econ. Asn. (award, 60); Econ. Asn; Economet. Soc. Institutional and economic problems of land and water use. Publ: Comparative efficiency of farm tenure classes in the combination of resources; Farm tenure perspective of vertical integration; Contracts and allotments in sugar beet production. Address: Natural Resources Economics Division, Economic Research Service, U.S. Dept. of Agriculture, Washington, D.C. 20250.

MILLER, DR. WALTER R, JR. b. Long Island, N.Y., Nov. 20, 34; m. 63; c. 2. ECONOMICS, FINANCE. A.B., Dartmouth Col., 55; M.B.A., Columbia, 57; Ph.D. (finance), N.Y. Univ., 65. Asst. sales mgr., Simpson Imports, 57-58; asst. acct. exec., McCann-Erickson, Inc., 58-60; mkt. prof., N.Y. Univ., 61-65; asst. to dean & dir. day masters prog., 63-65; mgt. mkt. res., MELLON NAT. BANK & TRUST CO., 65-66, DIR. MKT., 66- Consult, savings cmt, Am. Bankers Assn. & Stonier Grad. Sch. Banking, Rutgers, 66-68; bus. ed., J. Mkt. Am. Mkt. Assn., 67-68. Mem. bd. regents, sch. bank mkt., Northwestern. Value contribution of marketing and finance. Publ: The new breed, Banking, 6/67; The marketing movement in banking, U.S. Investor, 10/67; A vital combination—planning and marketing, Bankers Monthly, 12/67. Address: Mellon National Bank & Trust Co., Mellon Square, Pittsburgh, Pa. 15230.

MILLER, PROF. WARREN E (DWARD), b. Hawarden, Iowa, Mar. 26, 24; m. 48; c. 2. POLITICAL SCIENCE. B.S., Oregon, 48, M.S., 50; D.S.S. Syracuse, 54. Study dir. pub. affairs, surv. res. center, Michigan, 51-54; asst. prof. POLIT. SCI., California, 54-56; MICHIGAN, 56-58, assoc. prof., 58-63, PROF., 63-, PROG. DIR., SURV. RES. CENTER, 59-, res. assoc., 56-58, asst. prog. dir., 58-59. Soc. Sci. Res. Coun. res. grant, 58; fel. Center Adv. Study Behav. Sci., 61-62; exec. dir., Inter-Univ. Consortium Polit. Res., 62- Mem. exec. cmt., Coun. Soc. Sci. Data Arch., 65; mem. Nat. Res. Coun., 66-69. Gen. rapporteur, Int. Polit. Sci. Assn. Cong. Paris, 61. U.S.A.A.F., 42-46, Sgt. Polit. Sci. Assn.; Psychol. Assn.; Int. Polit. Sci. Assn.; Soc. Psychol. Study Social Issues. Political behavior; empirical political theory of the operation of political systems; methodology and techniques of quantitative analysis of political data. Publ: Co-auth., Elections and the political order, Wiley, 66; Representation in the American Congress, Prentice-Hall, 66; auth., Voting and foreign policy, In: Domestic sources of foreign policy, Macmillan, 67. Address: Survey Research Center, Institute for Social Research, University of Michigan, Ann Arbor, Mich. 48106.

MILLER, DR. WILBUR C, b. Des Moines, Iowa, Aug. 26, 23; m. 46; c. 2. PSYCHOLOGY. Fel., Denver, 51-53, Ph.D. (psychol.), 53. Instr. PSYCHOL., DENVER, 49-51, asst. prof., 53-57, assoc. prof., 57-63, PROF., 63-, V.CHAN-CELLOR ACAD. AFFAIRS, 65-, dean grad. sch., 64-68, acting chancellor, 66-67. Co-dir. res. proj. maladaptive behav. med. sch., Colorado, 60-; res. fel. dept. psychol., Michigan, 63-64. Res. psychologist, U.S. Air Force Personnel & Training Res. Center, 57. Ford Found. consult, Ed. Proj., Venezuela, 68. Med.C., U.S.A., 41-43. Psychol. Assn. Experimental design; learning; statistics. Publ: Co-auth., Personality, social class and delinquency, Wiley, 66; auth., Generalization of an avoidance response to varying intensities of sound, J. Comp. & Physiol. Psychol.; Internship in college teaching, Current Issues Higher Ed., 64. Address: University of Denver, Denver, Colo. 80210.

MILLER, DR. WILLIAM E, b. Longmont, Colo., Mar. 3, 16; m. 46; c. 3. AUDIOLOGY. B.S., Wichita, 40, M.A., 47; Ph.D., Northwestern, 50. Asst. prof. LOGOPEDICS, WICHITA STATE, 49-50, ASSOC. PROF., 50-, ACTING CHMN. DEPT., 65-, asst. dir. inst. logopedics, 56-65. U.S.A., 41-45. Speech & Hearing Assn.; Rehab. Assn.; Alexander Graham Bell Assn. for the Deaf; Coun. Except. Children. Auditory discrimination of normal hearing and perceptively impaired listeners. Address: Dept. of Logopedics, Wichita State University, 2400 Jardine Dr., Wichita, Kans. 67219.

MILLER, DR. WILLIAM GENE, b. Romney, W.Va., Sept. 25, 34; m. 55; c. 4. PSYCHOLOGY. A.B., W.Va. Wesleyan Col., 56; S.T.B., Wesley Theol. Sem., 59; Ph.D. (psychol.), Boston, 62. ASSOC. PROF. PSYCHOL. & CHMN. DEPT., WEST. MD. COL., 62- Staff psychologist, Mendocino State Hosp., Talmage, Calif., 68-69. Consult, Carroll County Bd. Ed., 63-68; Md. Police Training Cmn., 67-68. Psychol. Assn. Personality in middle age; student value orientations; basic encounter group research. Address: Dept. of Psychology, Western Maryland College, Westminster, Md. 21157.

MILLER, DR. WILLIAM LLOYD, b. Waterman, Ill., Mar. 22, 35; m. 57; c. 4. AGRICULTURAL ECONOMICS. B.S., Illinois, Urbana, 57, M.S., 60; Ph.D. (agr. econ), Mich. State, 65. ASST. PROF. AGR. ECON., PURDUE, 65- U.S.A.F., 58-61, 1st Lt. Agr. Econ. Assn.; Econ. Assn. Human resource development. Publ: Co-auth., Improving the measurement of economic development, J. Farm Econ, 12/67. Address: Dept. of Agricultural Economics, Purdue University Lafayette, Ind. 47907.

MILLER, PROF. WILLIAM L (ONG), b. Sparta, Tenn., Aug. 19, 12; m. 56. ECONOMICS. B.B.A., Chattanooga, 35; M.A., Duke, 42, Ph.D. (econ), 50. Instr. ECON., DePaul, 46; asst. prof., Bowling Green State, 47-49; assoc. prof., Auburn, 49-55, PROF., 55-62; GEORGIA, 62- Fulbright lectr., Dacca, Pakistan, 58-59; fel. int. studies, Duke, 67-68. Summers, mem. Ford Found. faculty res. seminar, Vanderbilt, 60, Interniv. Cmt. Res. on South fel., 61. U.S.A., 42-46. Econ. Assn.; Economet. Soc.; Asn. Evolutionary Econ. Money and banking; economic theory and its history; government policy; economic history. Publ: Contrib. A note of the importance of the interstate slave trade of the Ante Bellum South, J. Polit. Econ., 4/65, Economics of education in English classical economics, South. Econ. J., 1/66 & Education as a source of economic growth, J. Econ. Issues, 12/67. Address: Dept. of Economics, College of Business Administration, University of Georgia, Athens, Ga. 30601.

MILLER, DR. WILLIS H (AMILTON), b. Utica, N.Y., Dec. 31, 06; m. 33. GEOGRAPHY. A.B., California, Los Angeles, 29; scholar & fel., Chicago, 30-33, S.M., 31, Ph.D. (geog.), 33. Asst. res. technician, Nat. Resources Planning Bd., Wash. D.C., 34-35, assoc. consult, 37; instr. geog., Los Angeles Jr. Col., 35-37; secy. & chief planning technician, State Planning Bd., Calif., 37-42; chief res. br. off. 12, Vet. Admin., 46-49; dir. planning, San Diego County, 49-65; LECTR. GEOG. & PLANNING CONSULT. U.S. INT. UNIV., 65- Chmn. competing demands urban land sect., Mid-Century Conf. Resources for Future, D.C., 53. U.S.N., 42-45, Lt. Comdr. Asn. Am. Geog.; Inst. Planners. Economic and political geography; planning; government administration. Address: Dept. of Geography, United States International University, California Western Division, San Diego, Calif. 92106.

MILLER, DR. ZANE L, Am. Urban Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MILLET, DR. JOHN A (LFRED) P (ARSONS), Psychiat., see 11th ed, Phys. & Biol. Vols.

MILLET, PROF. STANLEY, b. Newark, N.J., Jan. 8, 17; div; c. 2. POLITICAL SCIENCE. B.S.Sc., City Col. New York, 48; Ph.D. (polit. sci.), New Sch. Soc. Res., 58. Asst. prof. polit. & chmn. dept., Hobart & William Smith Colls., 49-58; prof. soc. sci., Briarcliff Col., 58-65; PROF. POLIT. SCI. & CHMN. DEPT., ADELPHI, 65- Smith-Mundt lectr., 61-62. U.S.A.A.F., 42-45, Lt. Polit. Sci. Assn.; Int. Studies Assn. International politics; political theory. Address: 232 Townline Rd., West Nyack, N.Y. 10994.

MILLETT, DR. JOHN D (AVID), b. Indianapolis, Ind., Mar. 14, 12. PUBLIC ADMINISTRATION, POLITICAL SCIENCE. A.B., DePauw, 33; A.M., Columbia, 35, Ph.D., 38; L.L.D., DePauw, 50, Fenn Col., 54, Xavier (Ohio), 59, Ohio State, 61; Denison, 64, Kent State, 64, Akron, 64, Ohio Wesleyan, 66, Cincinnati, 67; L.H.D., Miami (Ohio), 64, Findlay Col., 65, Wayneburg Col., 66; D.Pd., Youngstown, 64; Litt.D., Toledo, 66. Fel., Soc. Sci. Res. Coun., 38-39, mem. staff, 39-41; Nat. Resources Planning Bd., 41-42; assoc. prof., Columbia, 45-48, prof. pub. admin., 48-53; pres., Miami (Ohio), 53-64; CHANCELLOR, OHIO BD. REGENTS, 64- Asst. to exec. dir., Cmn. Orgn. Exec. Br. Govt., 48-49; exec. dir., Cmn. Financing Higher Ed., 49-52; dir., Cleveland Cmn. Higher Ed., 52-53. Consult., Univ. Philippines, 54; Ford Found., 61; Cmn. Ed. Dept. Health, Ed. & Welfare, 64. Award for excellence, grad. faculties alumni, Columbia, 67. U.S.A., 42-46, 47, Col. Soc. Pub. Admin. (pres., 60-61); Polit. Sci. Assn.; Acad. Polit. Sci. Educational, government and public administration. Publ: Financing higher education in the U.S.; Government and public administration; The academic community. Address: Ohio Board of Regents, 88 E. Broad St., Columbus, Ohio 43215.

MILLHAM, DR. CHARLES BLANCHARD, b. Liberal, Kans., Nov. 1, 36; m. 60. ECONOMICS, MATHEMATICS. B.S., Iowa State, 58, M.S., 61, Ph.D. (econ), 62. Instr. MATH., Iowa State, 62-64, ASST. PROF., 65-66; WASHINGTON STATE, 66- Math. Assn. Am.; Math. Soc.; Soc. Indust. & Appl. Math. Mathematical programming; theory of games. Publ: On uniqueness of optimal basic solutions to linear programs, Am. Math. Monthly, 1/62; co-auth., On some theorems of stochastic linear programs, Mgt. Sci., 10/63 & On the stability of solutions under error in linear programs, Metrika, 5/65. Address: Dept. of Mathematics, Washington State University, Pullman, Wash. 99163.

MILLICAN, DR. C (HARLES) N (ORMAN), b. Wilson, Ark., Oct. 9, 17; m. 45. BUSINESS ADMINISTRATION. B.S., Union, 41; M.A., Peabody Col., 46; Ph.D., Florida, 54. Coordinator col. & supvr. acad. instr., Union, 43-44, head aviation dept., 44-45, asst. prof. commerce & acting head dept., 46-48; lab. asst. physics, Peabody Col., 45-46; asst. prof. & asst. dean, Florida, 48-56; dean sch. bus. admin., Hardin-Simmons, 56-59; dean col. bus. admin., South Florida, 59-65; PRES., FLORIDA TECH, 65- Econ. consult., 60-65. Econ. Assn.; Finance Assn. Economic analysis of the setting of higher education in Florida. Publ: Financial policies of churches, J. Finance; Church financing, Burroughs Clearing House; Florida banks release survey on church financing, Am. Bankers. Address: Florida Technological University, P.O. Box 25000, Orlando, Fla. 32816.

MILLICAN, DR. RICHARD D (ONALD), b. Liverpool, Eng., Mar. 27, 07; nat; m. 42; c. 2. ECONOMICS. B.S., Southern California, 31, M.B.A., 41, Ph.D., 48. Instr. bus. & econ., N.Mex. Col., 43-44; ASST. PROF. Journalism & bus., Oregon, 45-50; MKT. & ECON., ILLINOIS, URBANA, 50- Econ. Assn.; Mkt. Assn. Human element in economics; psychological influences in consumption economics; consumer behavior studies; multivariate approach to study of consumer behavior. Publ: A multifactor theory of consumption expenditures, Univ. Illinois Bookstore, 65. Address: 355 Commerce West, University of Illinois, Urbana, Ill. 61801.

MILLICHAP, DR. J (OSEPH) GORDON, Neurol., Pediat., see 11th ed, Phys. & Biol. Vols.

MILLIGAN, PROF. EDWARD A (RCHIBALD), b. Michigan, N.Dak., June 14, 03. SOCIOLOGY. B.S., North Dakota, 47, M.S., 42. PROF. SOC. SCI., N.DAK. SCH. FORESTRY, 48- Consult. to Secy. Interior, 51; exec. dir., State Indian Affairs Cmn., N.Dak., 59- U.S.A., 42-45. Soc. Am. Archaeol.; Soc. Appl. Anthropol. Archeology of the plains Indian; ethnology of the American Indian; integration of the Indian. Publ: Origins of the Arikara Indians; Known migrations of historic Indian tribes with an introduction on prehistoric and proto-historic movements in Upper Mississippi-Missouri area; Petroglyphs, pictographs, prehistoric art in the upper Missouri and upper Red River Valley areas, privately pub., 68. Address: Dept. of Social Sciences, North Dakota School of Forestry, Bottineau, N.Dak. 58318.

MILLIGAN, DR. GLENN E (LLIS), b. Emporia, Kans., Nov. 12, 19; m. 45; c. 2. PSYCHOLOGY. B.S., Kans. State Teachers Col., 41, M.S., 42; Ed.D., Colo. State Col. Ed., 51. Prof. psychol. & ed., Findlay Col., 46-50, head dept. ed., 50-55; sch. psychologist, Bd. Ed., Columbus, Ohio, 55-56; assoc. prof. ed., Ohio Wesleyan, 56-60, asst. dir. ed. res. & eval. serv., 57-60; exec. dir., Am. Assn. Ment. Deficiency, 60-66, res. assoc. proj. tech. planning ment. retardation, 57-62; MEM. STAFF, DEPT. HEALTH, ED. & WELFARE, 66- Fel., Found. Econ. Ed., Inc., 52. Psychol. Assn.; Asn. Ment. Deficiency. Mental retardation; psychometric measures and techniques; exceptional children; meeting the needs of secondary education students. Publ: Experimental study in vocabulary growth in an elementary psychology class; Experimental study in the use of a workbook in elementary psychology and the measurement of misconceptions of college students. Address: Room 3522 N, Dept. of Health, Education & Welfare, 330 Independence, S.W., Washington, D.C. 20201.

MILLIGAN, DR. MARSHALL E, b. Parnell, Mo., Feb. 14, 25. ECONOMICS. B.S., Wheaton Col., 47; M.A., Iowa, 49, Ph.D. (gen. bus. econ), 51. Asst. prof. bus. statist., Oklahoma, 51-52; statistician, Pan Am. Petrol. Corp., 52-56; assoc. prof. statist. & econ., Tulsa, 56-61; chief economist, SKELLY OIL CO., 61-66, MGR. ECON. DEPT., 66- U.S.N., Lt. Asn. Bus. Econ.; Statist. Assn.; Mkt. Assn. Application of statistical and economic principles in making practical business decisions. Address: Skelly Oil Co., Box 1650, Tulsa, Okla. 74102.

- MILLIGAN, DR. ROBERT G(EOURGE), b. St. Paul, Minn, June 30, 20; m. 52; c. 2. CLINICAL PSYCHOLOGY. B.A. Col. St. Thomas, 47; M.A. Fordham, 49; Ph.D. Loyola (Ill), 58. Criminal psychologist, State Reformatory Men, Minn, 49-51; psychologist, A.J. Audy Home Children, Ill, 53-54; sr. psychologist, psychiat. inst. Munic. Court, Chicago, 54-56, asst. dir. psychol. & res, 56-58; chief clin. psychologist, Blackhawk County Ment. Health Center, Iowa, 58-60; ASST. PROF. PSYCHOL. & DIR. TESTING & COUNSELING CENTER, SAN FRANCISCO, 60- Private practice. Mgt. consult, Ill, 57-58; consult, Family Serv. League, Blackhawk County, Iowa, 58-60; Oakland Cath. Soc. Serv, 61-; child develop. center, Children's Hosp, San Francisco, 66-C.Eng, 41-46, Capt. Psychol. Asn. Visual perceptual phenomena; leadership; resistance factors in psychotherapy with children and adults. Address: 516 Sutter St, San Francisco, Calif. 94102.
- MILLIKAN, PROF. MAX F(RANKLIN), b. Chicago, Ill, Dec. 12, 13. ECONOMICIS. B.S. Yale, 35, Ph.D. 41; Cambridge, 35-36. Instr. Yale, 38-41, asst. prof, 41-42, res. assoc. 42-49; assoc. prof. ECON. MASS. INST. TECH, 49-52, PROF. & DIR. CENTER INT. STUDIES, 52- Prin. economist & asst. dir. ship requirements, War Shipping Admin, 44-46; chief econ. intel. br, div. res. Europe, U.S. Dept. State, 46; pres, World Peace Found, Boston, Mass, 60- Consult, select cmt. for. aid, U.S. House Rep, 47; Econ. Coop. Admin, 47-50; sci. adv. bd, U.S. Dept. Air Force, 55; Opers. Eval. Group, 60-; Presidential Task Force on For. Assistance, Int. Coop. Admin, 61. Asst. exec. secy, President's Cmt. For. Aid, 47; mem. soc. sci. panel, sci. adv. bd, U.S. Dept. Air Force, 56-62; cmt. for. aid, President's Sci. Adv. Cmt, 60-; bd. dirs, Cmt. Int. Econ. Growth, 61. Econ. Asn; Economet. Soc; Statist. Asn; Inst. Math. Statist; Royal Econ. Soc. Economic development and theory; national income. Publ: Co-auth, A proposal: key to an effective foreign policy; co-ed, Emerging nations; their growth and United States policy; co-auth, No easy harvest, Little, 68. Address: 18 Scott St, Cambridge, Mass. 02138.
- MILLIMAN, PROF. JEROME W(ILSON), b. Council Bluffs, Iowa, Aug. 12, 23; m. 52; c. 2. ECONOMICS. A.B. California, Los Angeles, 48, Haynes Found. fel, 51-52, M.A. 52, Ph.D. 56. Asst. prof. econ, Fla. State, 52-56; agr. econ, California, Los Angeles, 56-59; from assoc. prof. bus. econ. to PROF. BUS. ADMIN. & DIR. INST. APPL. URBAN ECON, INDIANA, 59- Consult, Nat. Planning Asn, 56; Rand Corp, 56-60, Cmt. Econ. Develop, 61-; Resources for Future, 61- U.S.A.A.F, 42-46. Econ. Asn; Agr. Econ. Asn; Regional Sci. Asn. Land and water economics; government and business; urban economic analysis. Publ: Co-auth, Water supply: economics, technology and policy; auth, Land values as measures of primary irrigation benefits, J. Farm Econ; Water law and private decision-making: critique, J. Law & Econ. Address: School of Business, Indiana University, Bloomington, Ind. 47405.
- MILLMAN, DR. HOWARD L(OUIS), b. New York, N.Y., Aug. 16, 38; m. 63; c. 1. CLINICAL PSYCHOLOGY. B.S. City Col. New York, 60; N.Y. State Regents fels, Adelphi, 60-62, U.S. Pub. Health Serv. grant, 62-63, Ph.D. (clin. psychol), 64. Psychol. intern, neuropsychiat. inst, California, Los Angeles, 63-64; sr. psychologist, MIDDLESEX COUNTY MENT. HEALTH CLIN, 64-66, CHIEF PSYCHOLOGIST, 66- Vis. lectr, Trenton State Col, 66-67; Rutgers, 67-68. Psychol. Asn. Learning and perceptual disabilities and cerebral dysfunction. Publ: Games and exercises for adolescent boys & instructional swimming program for brain injured children, In: Recreation and socialization for the brain injured child, N.J. Asn. Brain Injured Children, 66; Early identification of brain injury, Newsletter N.J. Asn. Brain Injured Children, 5/67. Address: 152 Orange St, Edison, N.J. 08817.
- MILLMAN, DR. JASON, b. Albany, N.Y., Sept. 6, 33; m. 58; c. 1. STATISTICS. B.A. Michigan, 55, M.S. 58, Ph.D. (ed. statist. & measurement), 60. Asst. prof. ED. STATIST. & MEASUREMENT, CORNELL, 60-64, ASSOC. PROF, 64- Psychol. Asn; Psychomet. Soc; Statist. Asn; Ed. Res. Asn. Design of experiments in educational settings. Address: 211 Stone Hall, Cornell University, Ithaca, N.Y. 14850.
- MILLMAN, DR. R. WILLIAM, b. Toledo, Ohio, Dec. 31, 36; m. 57; c. 2. ORGANIZATION THEORY, BUSINESS ADMINISTRATION. B.B.A. Toledo, 57; M.B.A. Florida, 59, Ph.D. (econ. bus. admin), 62. Asst. prof. indust. mgt, Ga. Inst. Tech, 62-64; mgt, PA. STATE, 64-66, ASSOC. PROF. BUS. ADMIN, 66- Acad. Mgt; Inst. Mgt, Sci; Soc. Gen. Sys. Res. Administrative management theory. Publ: Co-auth, Research toward the development of management thought, 67 & Promising research directions, 68, Acad. Mgt; auth, Some unsettled questions in organization theory, Acad. Mgt. J, 64. Address: College of Business Administration, Pennsylvania State University, University Park, Pa. 16802.
- MILLON, PROF. RENE, b. New York, N.Y., July 12, 21; m. c. 3. ANTHROPOLOGY. A.B. Columbia, 48, Gilder fel, 49-50, A.M. 52, Ph.D. 55. Doherty fel, Mexico, 55-56, Nat. Sci. Found. fel, 56-57; asst. prof. ANTHROP, California, 57-61; from assoc. prof. to PROF, ROCHESTER, 61- Dir, Teotihuacan Mapping Proj, 62- U.S.A. 42-46. Fel. Anthropol. Soc. Am. Archaeol; Mex. Anthropol. Soc. Comparative study of early civilizations; urbanism in aboriginal Mexico; ecology; market place institutions. Publ: Teotihuacan Mapping Project, Am. Antiq, 29, 345-352; co-auth, Pyramid of the sun at Teotihuacan: 1959 investigations, Am. Philos. Soc. Trans, Vol. 55, Part 6: auth, Early civilizations of the New World, In: Vol. XVI, International encyclopedia of the social sciences, 68. Address: Dept. of Anthropology, University of Rochester, Rochester, N.Y. 14627.
- MILLON, DR. THEODORE, b. New York, N.Y., Aug. 18, 29; m. 52; c. 4. PSYCHOLOGY. B.A. City Col. New York, 49, M.A. 50; Ph.D. Connecticut, 53. From asst. to ASSOC. PROF. PSYCHOL, LEHIGH, 54- Pres. bd. trustees, Allentown State Hosp, 55- Psychol. Asn. Psychopathology; philosophy of science; social issues. Publ: Experiments in psychology; co-auth, Theories of psychopathology, Saunders, 67 & Approaches to personality, Pitman, 68. Address: Dept. of Psychology, Lehigh University, Bethlehem, Pa. 18015.
- MILLS, DR. A(LLEN) WILLIAM, b. Yorkton, Sask, Aug. 8, 27. EXPERIMENTAL PSYCHOLOGY. B.A. Saskatchewan, 48; M.A. McGill, 51; Ph.D. (psychol), Harvard, 57. Res. scientist, Defence Res. Bd. Can, 50-52; res. fel.
- PSYCHOL, Harvard, 57-59; asst. prof. TUFTS, 59-65, ASSOC. PROF, 65- Staff scientist, Sci. & Eng. Inst. Mass, 67- Mem. nat. adv. cmt, sensory aids center, Mass. Inst. Tech, 65- Psychol. Asn; Acoustical Soc; Can. Psychol. Asn. Psychophysics, especially hearing, auditory localization and echolocation; human engineering, especially effects of unusual environments on perception and sensory-motor skills; sensory aids for the blind. Publ: Finger numbness and skin temperature, J. Appl. Physiol; On the minimum audible angle & lateralization of high-frequency tones, J. Acoustical Soc. Am. Address: Dept. of Psychology, Tufts University, Medford, Mass. 02174.
- MILLS, DR. DAVID HARLOW, b. Marshalltown, Iowa, Dec. 28, 32; m. 57; c. 2. PSYCHOLOGY. B.S. Iowa State, 55, M.S. 57; Ph.D. (psychol), Mich. State, 64. Clin. psychologist, Woodward State Hosp, Iowa, 57; Rehab. psychologist, Jewish Voc. Serv, Chicago, 61, 62; Nat. Inst. Ment. Health fel. quant. psychol, Illinois, Urbana, 64-65; ASST. PROF. PSYCHOL, IOWA STATE, 65- Psychol. consult, Iowa Women's Reformatory, Rockwell City, 65-; clin. & res. psychol. consult, Vet. Admin. Hosp, Knoxville, Iowa, 66- Med. Serv. C, U.S.A., 57-61, 1st Lt. Psychol. Asn; Personnel & Guid. Asn; Soc. Proj. Tech. & Personality Assessment; Col. Personnel Asn; Asn. Couns. Ed. & Supvr; Asn. Measurement & Eval. Guid. Process of psychotherapy, the quantification of projective techniques, and the personality structure of psychotherapists. Publ: The research use of projective techniques: a seventeen year survey, J. Proj. Tech, 12/65; co-auth, A three-mode factor analysis of schizophrenicity, J. Clin. Psychol, 4/66 & The helping relationship: a structural analysis, J. Counseling Psychol, 5/67. Address: Dept. of Psychology, Iowa State University, Ames, Iowa 50010.
- MILLS, DR. DON HARPER, Forensic Med, see 11th ed, Phys. & Biol. Vols.
- MILLS, DR. DONALD F(RANK), b. Seattle, Wash, June 28, 27; m. 59. PSYCHOLOGY. B.A. North. Idaho Col. Ed, 51; M.Ed, Washington (Seattle), 54, Ph.D. 57. Teacher, pub. sch, Wash, 49-52; asst. psychol, Washington (Seattle), 53-55, counsr, 55-56, statist. clerk, 56-57; asst. prof. ed, Ariz. State, 57-60; counseling psychologist, Vet. Admin. Hosp, Knoxville, Iowa, 60-61, acting chief counseling sect, 61-62; dir. curriculum res, Ed. Testing Serv, N.J., 63-64; acting chief counseling sect, VET. ADMIN. HOSP, BATTLE CREEK, 64-66, SR. COUNSELING PSYCHOLOGIST, 66- U.S.A., 45-47. Fel. AAAS; Psychol. Asn; Inst. Math. Statist; Personnel & Guid. Asn. Multiple differential prediction of rehabilitation of hospitalized neuropsychiatric patients. Publ: Co-auth, Psychological foundations of education. Address: Psychology Service Dept, Veterans Administration Hospital, Battle Creek, Mich. 49016.
- MILLS, PROF. DONALD L, b. Port Orchard, Wash, Aug. 12, 24; m. 58. SOCIOLOGY. B.A. Idaho, 50; A.M. Stanford, 52, Haynes Found. fel, 53-54, Ph.D. (sociol), 59. Acting instr. sociol, Washington (Seattle), 54-55; Stanford, 56; res. sociologist, Stanford Res. Inst, 56-58, sociologist, 58-61; asst. prof. SOCIOL, CALGARY, 61-63, assoc. prof. & head dept, 63-67, PROF, 67- Consult, Burk Found. Ed, 61-64; Royal Cmn. Health Serv, 61-64; Ont. Cmt. Healing Arts, 66- Fel. Am. Sociol. Asn; Can. Sociol. & Anthropol. Asn. Sociology of work, especially in large-scale organizational contexts; sociology of the professions; occupational trends in Canada. Publ: Chiropractors, naturopaths and osteopaths in Canada, Queen's Printer, 64; co-auth, Professionalization, Prentice-Hall, 66. Address: Dept. of Sociology & Anthropology, University of Calgary, Calgary, Alta, Can.
- MILLS, DR. EDWIN S(MITH), b. Collingswood, N.J., June 25, 28; m. 51; c. 2. ECONOMICS. B.A. Brown, 51; Ph.D. Birmingham, 56. Asst. lectr. ECON. Univ. Col. N. Staffordshire, Eng, 53-55; instr, Mass. Inst. Tech, 55-57; asst. prof, HOPKINS, 57-60, ASSOC. PROF, 60-, CHMN. DEPT. POLIT. ECON, 66- Ford Found. faculty res. fel, 61. Sr. economist, Coun. Econ. Adv. Wash, D.C., 65-67, consult, 65- Consult, Bendix Aviation Corp, 58-60; Westinghouse Corp, 67- U.S.A., 46-48, 2nd Lt. Econ. Asn; Economet. Soc; Royal Econ. Soc. Firm's price and output policies; industry. Publ: Theory of inventory decisions, Econometrica; Uncertainty and price theory, Quart. J. Econ; Study of optimum assembly runs, Opers. Res. Address: Dept. of Political Economy, Johns Hopkins University, Baltimore, Md. 21218.
- MILLS, DEAN EUGENE S(UMNER), b. West Newton, Ind, Sept. 13, 24; m. 45; c. 2. PSYCHOLOGY. A.B. Earlham Col, 48; M.A. Claremont Col, 49, Ph.D. (psychol), 52. Sch. psychologist & counsr, Ontario Sch. Syst, Calif, 50-51; lectr. PSYCHOL, La Verne Col, 51; asst. prof, Whittier Col, 52-54, chmn. dept, 52-62, assoc. prof, 54-60, PROF, 60-62; NEW HAMPSHIRE, 62-, DEAN COL. LIB. ARTS, 67-, chmn. dept. psychol, 62-65, dean grad. sch. & coordinator res, 63-67. Spec. auditor, Harvard, 58-59; vis. prof, Victoria Col. (B.C.), 58, 61. Bd. trustees, Earlham Col, 66- Fel. Psychol. Asn. Personality, social and clinical psychology; creativity; research in the history of psychology, specializing in the life and work of George Trumbull Ladd. Publ: Modified free association technique, J. Clin. Psychol; Personality adjustment and the study of abnormal psychology, J. Appl. Psychol; Abnormal psychology as a selective factor in the college curriculum, J. Ed. Psychol. Address: College of Liberal Arts, Murkland Hall, University of New Hampshire, Durham, N.H. 03824.
- MILLS, PROF. FREDERICK C(ECIL), Econ, see 10th ed, Soc. & Behav. Vols, deceased 64.
- MILLS, PROF. GARY L(EROY), b. Tulsa, Okla, Jan. 17, 17; m. 46; c. 4. PSYCHOLOGY. B.B.A. Southern Methodist, 48, fel, 46-47, M.A. 47; Ph.D. (ed), Stanford, 52. Sch. psychologist, Alameda County schs, Oakland, Calif, 51-53; dir. guid. & spec. serv, Glenbrook High Sch, Northbrook, Ill, 53-61; HEAD DEPT. GUID. & PUPIL PERSONNEL SERV, CALIF. STATE COL. LOS ANGELES, 61-, PROF. ED, 66- U.S.A., 41-45. Psychol. Asn; Personnel & Guid. Asn. Aptitude and interest testing; personality development and learning theory; counseling techniques. Publ: Relative efficiency of visual, verbal and kinesthetic guidance in learning a stylus maze; Interrelationships among measures of achievement in the social sciences. Address: Dept. of Education, California State College at Los Angeles, Los Angeles, Calif. 90032.

MILLS, DR. GEORGE, b. East Cleveland, Ohio, May 8, 19; m. 43. SOCIAL ANTHROPOLOGY. B.A. Dartmouth Col, 40; M.A. Harvard, 49, Ph.D. (soc. anthrop), 54. Instr. introd. sociol. & Am. culture, Wellesley Col, 47-48; mus. asst, Taylor Mus, Colo. Springs Fine Arts Center, 49, curator, 51-64, asst. dir. center, 55-64; ASSOC. PROF. ANTHROP. LAKE FOREST COL, 64- U.S.A., 41-46. AAAS; fel. Anthropol. Assn; Soc. Appl. Anthropol. Soc. Aesthetics; Ethnol. Soc. Relations of art, culture and society; cultures of the southwestern portion of the United States and of Mexico; cultural theory. Publ: Saints and Kachinas; Navaho art and culture; Go I know not where, bring back I know not what. Address: Dept. of Sociology & Anthropology, Lake Forest College, Lake Forest, Ill. 60045.

MILLS, DR. JAMES I(RA), b. Tiskilwa, Ill, Apr. 18, 05; m. 29; c. 3. ECONOMICS. A.B. Augustana, 27; A.M. Illinois, 37; D.B.A. George Washington, 65. Asst. prof. Grove City Col; 42-43; Indiana, 43-44; price economist, Off. Price Admin, 44-46; asst. prof. De Paul, 46; bus. specialist, Nat. Housing Agency, 46-47; asst. prof. Maryland, 47-48; int. economist, Off. Int. Trade, 48-49; mem. staff, off. small bus, U.S. Dept. Commerce, 49-52; Small Defense Plants Admin, 52-53; dep. dir. off. econ. adv. SMALL BUS-ADMIN, 53-65, chief policy anal. & size standards div, 65-66, DIR. SIZE STANDARDS STAFF, 66- Asst. prof. lectr. George Washington, 66- Econ. Assn; Statist. Assn. Small business; economic conditions; study of small business and federal government programs to assist small business. Publ: Proposed system for classifying manufacturing concerns by size. Address: Small Business Administration, 1441 L St. N.W., Washington, D.C. 20416.

MILLS, DR. JOHN EDWIN, Anthropol, Rural Sociol, see 10th ed, Soc. & Behav. Vols.

MILLS, DR. JUDSON R, JR, b. Chicago, Ill, Sept. 24, 31. PSYCHOLOGY. B.S. Wisconsin, 53; Minnesota, 53-55; Ph.D. Stanford, 58. Res. assoc. psychol, HumRRO, 57-59; asst. prof. Syracuse, 59-64; ASSOC. PROF. PSYCHOL. & SOCIOL. MISSOURI, COLUMBIA, 64- Psychol. Assn; Asn. Pub. Opinion Res. Social psychology. Publ: Change in moral attitudes following temptation, J. Personality; Selectivity in exposure to information & Effect of severity of initiation on liking for a group, J. Abnorm. & Soc. Psychol. Address: Dept. of Psychology, University of Missouri, Columbia, Mo. 65201.

MILLS, PROF. LENNOX ALGERNON, b. Vancouver, B.C., July 30, 96; m. 28. POLITICAL SCIENCE. B.A. British Columbia, 16; M.A. Toronto, 18; California, 18-19; Harvard, 19-20; Rhodes scholar, Oxford, 20-24, B.A., 23, Ph.D., 24. Tutor mod. hist, Oxford, 23-25, Rhodes Trust spec. res. grant, 25-27; asst. prof. POLIT. SCI, MINNESOTA, MINNEAPOLIS, 28-36, asst. prof, 36-42, prof, 42-63, EMER. PROF, 63- Guggenheim fcls, 36-37, 57-58 & 60-61; prof, Acadia, 63. Royal Inst. Int. Affairs; Royal Commonwealth Soc. World politics; contemporary imperialism in South and East Asia, particularly Malaya. Publ: New world of southeast Asia, 49 & Malaya: a political and economic appraisal, 52, Univ. Minnesota; co-auth, World politics in transition, Holt, 55. Address: P.O. Box 444, Wolfville, N.S., Can.

MILLS, PROF. MARK C(ARTER), Econ, see 10th ed, Soc. & Behav. Vols.

MILLS, PROF. PETER J(AMES), Acoustics, see 11th ed, Phys. & Biol. Vols.

MILLS, DR. RICHARD L(EWIS), b. Indianapolis, Ind, Mar. 21, 41; m. 64; c. 1. ECONOMICS, STATISTICS. B.S. Rose Polytech, 62; M.A. Indiana, 64, Ph.D. (econ), 67. ASST. PROF. BUS. & ECON, WHITEMORE SCH. BUS. & ECON, UNIV. NEW HAMPSHIRE, 67- Econ. Assn; Economet. Soc; Statist. Assn. Mathematical models for human migration; economics of information and information dissemination. Address: Dept. of Economics, Whittemore School of Business & Economics, University of New Hampshire, Durham, N.H. 03824.

MILLS, DR. ROBERT B(YRON), b. Cincinnati, Ohio, June 5, 24; m. 48; c. 2. CLINICAL PSYCHOLOGY. A.B. Antioch Col, 50; Ph.D. (clin. psychol), Columbia, 58. Intern psychol, LaRue D. Carter Mem. Hosp, Indianapolis, Ind, 55-56; staff psychologist, Meadowbrook Hosp, East Meadow, N.Y., 56-57; chief psychologist, Munic. Court Psychiat. Clin, Cincinnati, Ohio, 57-66; ASSOC. PROF. PSYCHOL, CINCINNATI, 66- ASSOC. DIR. COMMUNITY PSYCHOL. INST, 66- Instr. Cincinnati, 59-66; proj. dir, Talbert House Planning Proj, 67-68. Sig.C. U.S.A., 42-46. Psychol. Assn; Asn. Correctional Psychol. Dynamics of criminal behavior; psychological profile of offenders; group psychotherapy with sex offenders; community consultation; police selection. Publ: Situational tests in metropolitan police selection, J. Criminal Law, Criminol. & Police Sci, 1/66; Introducing foster mother discussion groups in a voluntary child welfare agency, Child Welfare, 12/67. Address: 1016 Richwood Ave, Cincinnati, Ohio 45226.

MILLS, DR. THEODORE M(ASON), b. U.S., May 6, 20; m. 47; c. 3. SOCIOLOGY. B.A. Guilford Col, 41; M.A. Haverford Col, 42; Soc. Sci. Res. Coun. fel, Harvard, 50-51, Ph.D. (sociol), 52. Res. assoc. SOCIOLOG, Harvard, 52-55, asst. prof, 56-60; ASSOC. PROF. YALE, 60- Fulbright vis. lectr. & researcher, Norway, 55-56. Sociol. Assn; Psychol. Assn; Anthropol. Assn. Sociology of small groups. Publ: Group transformation, 64 & Sociology of small groups, 67, Prentice-Hall; Power relations in three person groups, Am. Sociol. Rev. Address: 323 N. River St, Guilford, Conn. 06437.

MILLS, THOMAS J, b. Zanesville, Ohio, Mar. 24, 08; m. 38; c. 1. ECONOMICS. B.A. Col. Wooster, 30; M.A. Pittsburgh, 32; Yale, 32-33. Asst. Spec. Tax Cmn, Conn, 34, employ. res. dir. State Dept. Labor & Factory Inspection, 35-43; labor economist & asst. chief off. statist. standards, U.S. Bur. Budget, 43-53; prog. dir. sci. manpower, NAT. SCI. FOUND, U.S. GOVT, 53-62, HEAD SCI. PERSONNEL & ED. STUDIES SECT, 62- AAAS; Statist. Assn. Scientific and technical personnel; labor statistics; public finance. Address: 3183 N. Quincy St, Arlington, Va. 22207.

MILLS, PROF. WARNER E(VERETT), JR, b. Kirksville, Mo, Aug. 10, 22; m. 49; c. 4. POLITICAL SCIENCE. A.B. Dartmouth Col, 43; M.S. Calif. Inst. Tech, 44; M.A. Yale, 48; Ph.D. (polit. sci), Hopkins, 56. Instr. hist. & govt, Rice, 48-50; GOVT, Texas, 53-56; asst. prof, BELOIT COL, 56-61, assoc. prof, 61-67, PROF, 67- Mem, Midwest Conf. Polit. Scientists, 56-

U.S.N., 43-46, Lt. Polit. Sci. Assn; Acad. Polit. & Soc. Sci. State and local government, especially the policy making process and politics of these two levels. Publ: Martial law in east Texas; co-auth, Small city government. Address: 843 Wisconsin Ave, Beloit, Wis. 53511.

MILLS, DR. WILLIAM CLEARON, JR, Poultry Sci, Mkt, see 11th ed, Phys. & Biol. Vols.

MILLS, PROF. WILLIAM W(ILLIS), b. St. Louis, Mo, Aug. 3, 16; m. 40; c. 2. PSYCHOLOGY. Ph.D. (ed. psychol), Minnesota, 54. Asst. prof. psychol. & chmn. dept, Macalester Col, 47-54, assoc. prof, 54; asst. prof, OREGON STATE, 54-57, dir. counseling & testing center, 58-59, assoc. prof. PSYCHOL, 57-62, PROF, 62- Psychol. Assn. Personality assessment; counseling techniques and process. Publ: MMPI profile pattern and scale stability throughout four years of college attendance. Address: Dept. of Psychology, Oregon State University, Corvallis, Ore. 97331.

MILLS, PROF. W(ILSON) RAYMOND, b. Jonesboro, Ark, Mar. 24, 26; m. 53; c. 3. SOCIOLOGY. A.B. North Carolina, 49; M.A. Ohio State, 53; Ph.D., Michigan, 58. Asst. sociol, med. ed. cmt, Michigan, 56-59; chief res. planner, Northeast. Ill. Metro Area Planning Cmn, 59-64; ASSOC. PROF. CITY & REGIONAL PLANNING, OHIO STATE, 64- U.S.A., 43-45. Sociol. Assn. Urban society. Publ: Employment in 1980 in northeastern Illinois. Address: 1006 Oberlin Dr, Columbus, Ohio 43221.

MILLWARD, DR. RICHARD B(OLSTER), b. Syracuse, N.Y., Apr. 21, 33; m. 54; c. 1. PSYCHOLOGY, MATHEMATICS. A.B. Harvard, 55; M.A. Indiana, 59, Ph.D. (psychol), 60. Asst. res. comput. center, Indiana, 58-57, asst, 59-60; asst. prof. PSYCHOL, BROWN, 60-65, ASSOC. PROF. 65- Soc. Sci. Res. fel, Summer Inst. Math. Models Choice & Decisions, 62. AAAS; Psychol. Assn; Psychomet. Soc; Psychonomics Soc. Mathematical and computer simulation models of human learning in the specific areas of probability, concept, and paired-associate learning; memory factors. Publ: An all-or-none model for noncorrection routines with elimination of incorrect responses, 64 & Probabilistic reinforcement of reversal and dimensional shifts, 68, J. Math. Psychol; Derivations of learning statistics from absorbing Markov chains, Psychometrika, (in press). Address: Dept. of Psychology, Brown University, Providence, R.I. 02912.

MILMAN, PROF. DONALD S(TUART), Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

MILMAN, DR. DORIS H, Med, Psychiat, see 11th ed, Phys. & Biol. Vols.

MILNAR, PROF. ANTHONY LEE, b. Utica, N.Y., Aug. 15, 10; m. 44. HISTORY, POLITICAL SCIENCE. A.B. Upsala Col, 34; M.S. Indiana, 39; Ph.D. (hist), Georgetown, 48; Hague Acad. Int. Law, 62. Instr. Georgetown, 48-48; asst. prof, Loyola (Ill), 48-50; hist. & polit. sci. Duquesne, 50-51; ed. specialist, Fed. Civil Defense Admin, D.C., 51-54; head soc. sci. dept, jr. col, Greenbrier Mil. Sch, 54-55; from assoc. prof. to PROF. HIST. & POLIT. SCI, OHIO NORTHERN, 55-, dir. inst. Am. studies 62, mem. adv. coun, inst. Mediterranean affairs, 67, dir. Regional Coun. Int. Ed. Faculty Seminar E. Europe & Soviet Union, 67-68. Area consult, U.S. Dept. State, D.C., 50. U.S.A., 42-46, Lt. Col. Hist. Assn; Econ. Hist. Assn; Polit. Sci. Assn; Foreign Policy Assn; Acad. Polit. & Soc. Sci; Acad. Polit. Sci; Asn. Adv. Slavic Studies; Polish-Am. Hist. Assn; Can. Asn. Slavists; Hansard Soc. Diplomatic and Russian history; international relations. Address: 127 W. Montford Ave, Ada, Ohio 45810.

MILNE, PROF. DAVID S(PENCER), b. Ogden, Utah, Oct. 10, 11; m. 38; c. 4. SOCIOLOGY. A.B. California, Los Angeles, 32; M.A. Southern California, 39; Ph.D. (sociol), Chicago, 48. Soc. worker & case svpr, Los Angeles County Dept. Charities, State Emergency Relief Admin, 32-36; parole officer, Calif. Youth Authority, 36-44, field rep, 44-46; asst. prof. SOCIOL, SAN DIEGO STATE COL, 46-49, assoc. prof, 50-52, PROF, 53-, CHMN. DIV. SOC. SCI, 56-, dept. sociol. & anthrop, 52-56. Fel. Sociol. Assn; Soc. Study Soc. Probs; Nat. Coun. Family Rels. Juvenile delinquency; criminology; marriage and the family. Address: Dept. of Sociology, San Diego State College, San Diego, Calif. 92115.

MILNER, PROF. ERNESTINE COOKSON, b. New Straitsville, Ohio, Sept. 25, 96; m. 28. PSYCHOLOGY. A.B. Miami (Ohio), 18, B.S., 19; scholar & M.A. Wellesley Col, 26; summers, Ohio State, 28, Columbia, 30. Asst. prof. psychol. & dean women, Parsons Col, 24-26; Earlham Col, 26-30; dir. personnel, GUILFORD COL, 30-47, assoc. prof. PSYCHOL, 30-57, head dept, 48-65, prof, 57-65, EMER. PROF, 65- Psychol. Assn. Psychological implications of mysticism. Address: Box 8658, Greensboro, N.C. 27410.

MILNER, DR. ESTHER, b. Vegreville, Alta, Mar. 23, 18; nat. SOCIAL PSYCHOLOGY. B.A. Queen's (Can), 43; M.A. Minnesota, 44; Ph.D. Chicago, 49. Civilian technician, Dept. Nat. Defence, Can, 44; ed. Sci. Res. Assocs. & Center Intergroup Ed, 48-49; asst. & assoc. prof. child & adolescent develop. Atlanta, 49-51; asst. prof, Brooklyn Col, 52-57; Alberta, 57-60; BROOKLYN COL, 60-65; ASSOC. PROF. DEVELOP. PSYCHOL, 65- Vis. fel, Aberdeen, 65-66; resource consult, Briarcliff Col, 67-68. Fel. Psychol. Assn; Soc. Social Responsibility in Sci; N.Y. Acad. Sci. Personality theory, development and dynamics; social responsibility of the behavioral scientist. Publ: Human neural and behavioral development: a relational inquiry, C.C. Thomas, 67; The failure of success, the middle-class crisis, W.H. Green, revised ed, 68; Some hypotheses concerning the influence of segregation on Negro personality development, Psychiatry. Address: Dept. of Education (SGS), Brooklyn College, Brooklyn, N.Y. 11210.

MILNER, PROF. JOHN GILLETTE, b. Twin Falls, Idaho, July 24, 12. SOCIAL WORK. A.B. Stanford, 34; Washington (Seattle), 37-38; N.Y. Sch. Soc. Work, 38-39; Commonwealth fel, Columbia, 42, M.S., 42. Soc. worker, 34-42; from assoc. prof. to PROF. SOC. WORK, SOUTHERN CALIFORNIA, 42- Teaching Excellence award, Univ. Southern California Assocs, 66. U.S.A., 42-45, Lt. Nat. Asn. Soc. Workers. Social work methods; human behavior. Address: School of Social Work, University of Southern California, Los Angeles, Calif. 90007.

- MILNER, PROF. PETER M (ARSHALL), b. Eng. June 13, 19; m. 44. PSYCHOLOGY. B.Sc. Leeds, 41; M.Sc. McGill, 50, Ph.D. (psychol), 54. Res. assoc. PSYCHOL, MCGILL, 54-59, assoc. prof, 59-66, PROF, 66- Animal Behav. Soc; Psychonomic Soc; fel. Psychol. Asn. Physiological psychology; learning theory; artificial intelligence and pattern recognition. Publ: Learning in neural systems, In: Self-organizing systems; The cell assembly; Mark II, Psychol. Rev; A neural mechanism for the immediate recall of sequences, Kybernetik. Address: Dept. of Psychology, Stewart Biology Bldg, McGill University, Montreal 2, Que, Can.
- MILSTEAD, PROF. HARLEY PORTER, Geog, see 10th ed, Soc. & Behav. Vols.
- MILSTEIN, DR. VICTOR, b. New York, N.Y., Oct. 18, 28; m. 51; c. 1. PSYCHOLOGY. B.A. Brooklyn Col, 51; M.A. City Col. New York, 52; Ph.D. (psychol), Oregon, 59. Res. fel. neurol. MED. SCH, OREGON, 57-58, Nat. Inst. Neurol. Diseases & Blindness res. fel. psychol, 59-61, res. fel. NEUROL, 61-66, ASST. PROF, 66- Psychol. Asn; Electroencephalog. Soc. Experimental psychoneurology and electroencephalography. Publ: Verbal and conditioned avoidance learning during abnormal EEG discharge: Are temporal lobe epileptics different?; Contingent alpha-blocking: conditioning or sensitization?, Electroencephalog. & Clin. Neurophysiol, 65. Address: Division of Neurology, University of Oregon Medical School, Portland, Ore. 97201.
- MILTON, PROF. G (GEORGE) ALEXANDER, b. Bellingham, Wash, Apr. 17, 30; m. 59; c. 2. PSYCHOLOGY. A.B. West. Wash. State Col, 52; M.S. Oregon, 54; Ph.D. (psychol), Stanford, 58. Asst. PSYCHOL, Stanford, 54-55, res. assoc, 55-56, acting instr, 57-58; asst. Yale, 58; asst. prof, Colorado, 58-61; assoc. prof, Victoria Col. (B.C.), 61-66; PROF. & CHMN. DEPT. MIAMI (OHIO), 66- Trainee, U.S. Vet. Admin, 56-58, consult, 59-60; behav. sci. unit, space med. sect, Martin Co, 60-61. AAAS; Am. Psychol. Asn; Can. Psychol. Asn. Personality theory; measurement; development; problem solving. Publ: Effects of sex-role identification upon problem solving skill, J. Abnorm. & Soc. Psychol; Sex differences in problem solving as a function of content, Psychol. Reports; Changes in essential hypertension over time, J. Clin. Psychol. Address: Dept. of Psychology, Miami University, Oxford, Ohio 45056.
- MINAR, PROF. DAVID W (ILLIAM), b. Portland, Ore, Apr. 12, 25; m. 48; c. 2. POLITICAL SCIENCE. B.A. Reed Col, 49; M.A. California, 51, Rockefeller Found. grant, 54-55, Ph.D. (polit. sci), 56. Admin. analyst, off. of pres, California, 55-56; instr. govt, Columbia, 56-58; asst. prof. POLIT. SCI, NORTHWESTERN, 58-63, assoc. prof, 63-66, PROF, 66- U.S.A.A.F, 43-46. Polit. Sci. Asn. Political theory; American government and politics; community politics. Publ: Ideas and politics: the American experience, Dorsey, 64; Educational decision-making in suburban communities, U.S. Off. Ed. Res. Report 2440, 66; ed, Problems and prospects in public administration. Address: Dept. of Political Science, Northwestern University, Evanston, Ill. 60201.
- MINARD, DR. JAMES GREGORY, b. Spokane, Wash, Mar. 23, 33; m. 59; c. 1. PSYCHOLOGY. B.S. Whitworth Col. (Wash.), 55; M.S. Washington (Seattle), 59; U.S. Pub. Health Serv. fel, Colorado, 61-62, Ph.D. (psychol), 64. Res. asst. psychol, Washington (Seattle), 59-60; asst, Colorado, 60-61; instr. psychiat, psychol. lab, State Univ. N.Y. Downstate Med. Center, 62-63; instr. & res. psychologist, DEPT. PSYCHIAT, SCH. MED, PITTSBURGH, 63-66, ASST. PROF. PSYCHOL, 66- Psychol. Asn; Asn. Psychophysiol. Study Sleep. Personality; perception; psychophysiology of sleep. Publ: The response-bias interpretation of perceptual defense, psychol. Rev, 65; sr. co-auth, Measurement and conditioning of perceptual defense, response bias, and emotionally biased recognition, J. Personality & Soc. Psychol, 65; auth, Frame disappearance and rod-and-frame test performance, Perceptual & Motor Skills, 67. Address: Dept. of Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, Pa. 15213.
- MINAS, DEAN J. SAYER, Philos, Mgt. Sci, see 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- MINASIAN, DR. JORA ROOJAN, Econ, Statist, see 10th ed, Soc. & Behav. Vols. Latest known address: Institute for Defense Analyses, 1666 Connecticut N.W., Washington, D.C. 20301.
- MINCER, PROF. JACOB, b. Tomaszow, Poland, July 15, 22; U.S. citizen; m. 51; c. 3. ECONOMICS. A.B. Emory, 50; Chicago, 50-51; Ph.D. (econ), Columbia, 57. Instr. ECON, City Col. New York, 53-57, asst. prof, 58-60; fel, Chicago, 57-58; assoc. prof, COLUMBIA, 60-62, PROF, 62- Mem. sr. staff, Nat. Bur. Econ. Res. 60. Econ. Asn; fel. Statist. Asn; Economet. Soc. Empirical research of economic behavior in the fields of labor and manpower economics, income distribution and consumption. Publ: Co-auth, Aspects of labor economics, Princeton, 62 & Prosperity and unemployment, Wiley, 66; auth, Investment in human capital, J. Polit. Econ, 8/58. Address: Dept. of Economics, Columbia University, New York, N.Y. 10027.
- MINDEN, DR. MARY BETH, b. Boise, Idaho, Feb. 8, 19. ECONOMICS. B.S. Ore. State Col, 40; M.A. Columbia, 47; Cornell, 51; Ph.D. (econ), Purdue, 57. Teacher, pub. sch, Idaho, 40-43; asst. prof. home mgt, Ore. State Col, 47-50, assoc. prof, 50-55, 56-57, prof, 57-58; asst. agr. econ, Purdue, 55-56; head home mgt. dept, Connecticut, 58-60; res. adminstr. home econ, coop. state exp. sta. serv, U.S. DEPT. AGR, 60-64, DIR, HUMAN NUTRIT. & CONSUMER USE PROGS, COOP. STATE RES. SERV, 64- Calvin K. Kazanjian Econ. Found. lectr, 58-59. Consult, Carrier Corp, 59. U.S.N.R, 43-45, Res, 45-55, Lt. AAAS; Agr. Econ. Asn; Home Econ. Asn. Consumption economics; family finance and management; home economics interests. Publ: The food consumer, Purdue Univ. Econ. Series, 57; Challenge in modern living, Oregon State Univ. Bull. Series, 57. Address: Human Nutrition & Consumer Use Division, Cooperative State Research Service, U.S. Dept. of Agriculture, Washington, D.C. 20250.
- MINDLIN, ALBERT, b. Chicago, Ill, Dec. 7, 17; m. 46; c. 2. STATISTICS. B.A. California, Los Angeles, 40, M.A. Berkeley, 49. Math. statistician, U.S. Bur. Census, 49-53; anal. statistician, statist. br, div. prog. anal, U.S. Bur. Old-Age & Survivors Ins, 53-56, tech. asst. to chief br, 56-59; CHIEF STATISTICIAN, GOVT. OF D.C., 59- Statist. Asn; Soc. Qual. Control; Soc. Pub. Admin; Urban & Regional Info. Sys. Asn. Organization and administration of statistical programs; sample survey design and analysis; statistical quality control; urban information systems. Publ: The urban government statistician, 12/63 & The designation of race on forms, 6/66, Pub. Admin. Rev; co-auth, Municipal fair housing legislation—community beliefs and facts, Phylon, fall 64. Address: 6408 Bannockburn Dr, Washington, D.C. 20034.
- MINDLIN, DR. DOROTHEE F (RIEDLANDER), b. Berlin, Germany, May 21, 20; nat; m. 46; c. 2. PSYCHOLOGY. B.A. Chicago, 42, M.A. 43; Columbia, 44-45; California, 45-47; Ph.D. (psychol), American Univ, 65. Teacher, nursery schs, N.Y. & Calif, 43-45; asst. psychol, California, 45; psychologist, Children's Home Soc, Oakland, 47-49; clin. psychologist, div. training schs, State Dept. Welfare, Md, 49-52; alcoholic rehab. div, D.C. DEPT. PUB. HEALTH, 52-54, chief clin. psychologist, 54-67, DIR. ALCOHOLIC REHAB. CLIN, 67- Consult, Oakland Pub. Schs, Calif, 48-49; clin. psychologist, Pastoral Inst, D.C., 65- Mem. N.Am. Asn. Alcoholism Progs. Psychol. Asn; Soc. Proj. Tech. & Personality Assessment; Group Psychother. Asn. Alcoholism; projective techniques; psychotherapy; evaluation of therapy outcome; measurement of attitude change; group therapy. Publ: Personality development of 27 children who later became psychotic, J. Abnorm. & Soc. Psychol; Characteristics of alcoholics as related to prediction of therapeutic outcome & Evaluation of therapy for alcoholics in a workhouse setting, Quart. J. Studies Alcohol, Address: 6408 Bannockburn Dr, Bethesda, Md. 20034.
- MINER, DR. BETTY I (SABEL), Soc. Psychol, see CROWTHER, DR. BETTY I (SABEL).
- MINER, PROF. HORACE M, b. St. Paul, Minn, May 26, 12; m. 36; c. 1. ANTHROPOLOGY, SOCIOLOGY. A.B. Kentucky, 33; A.M. Chicago, 35, Ph.D. (anthrop), 37; Soc. Sci. Res. Coun. fel, Quebec, 38-37. Instr. sociol, Wayne, 37-39; Soc. Sci. Res. Coun. fel, Timbuktu, French W. Africa, 40; Yale fel, Colombia, S.Am, 41-42; asst. prof. ANTHROP. & SOCIOL, MICHIGAN, 46-47, assoc. prof, 47-51, PROF, 51- Fulbright award, Algeria, 50, Uganda, 61-62; Ford Found. grant, 56; Rockefeller Found. grant, Nigeria, 57-58; N.African Studies Center grant, Morocco, 67-68. Mem. cmt. experts indigenous labor, Int. Labor Orgn, 49-58. U.S.A., 42-45, Lt. Col. Fel. Anthropol. Asn; Sociol. Asn; Soc. Appl. Anthropol. (pres, 54-55); African Studies Asn; Philos. Soc. Comparative social structure; Africa; modernization. Publ: St. Denis, a French-Canadian Parish; The primitive city of Timbuktu; co-auth, Oasis and Casbah: Algerian culture and personality in change, Mus. Anthropol. Univ. Michigan, 60. Address: Dept. of Sociology, University of Michigan, Ann Arbor, Mich. 48104.
- MINER, PROF. JERRY, b. New York, N.Y., Aug. 3, 29; m. 51; c. 2. ECONOMICS, PUBLIC FINANCE. A.B. Michigan, 51, M.A. 52, Ford Found. fel, 56, Ph.D. 58. Asst. study dir. econ. res. surv. res. center, Michigan, 55-59, study dir, 57-58; asst. prof. econ. theory & pub. finance, SYRACUSE, 58-67, PROF. ECON, 67- Sr. res. economist, UNESCO, 62-64. U.S.A., 53-55. Econ. Asn. Theory and empirical study of government expenditures; determinants of expenditures for public education by local school systems; economics of education; educational planning. Publ: Social and economic factors in spending for public education, 63 & The relationship of educational and economic planning, In: Educational planning, 67, Syracuse Univ; Consumer personal debt: an inter-temporal cross section analysis. Address: 136 Kensington Place, Syracuse, N.Y. 13210.
- MINER, PROF. JOHN B (URNHAM), b. New York, N.Y., July 20, 26; m. 48; c. 4. PSYCHOLOGY, BUSINESS ADMINISTRATION. A.B. Princeton, 50, Walker fel, 52-53, Ph.D. (psychol), 55; M.A. Clark, 52. Asst. psychol, Princeton, 53-55; res. assoc. indust. psychol, conserv. human resources proj, Columbia, 56-57; sr. psychologist, Atlantic Ref. Co, 57-60; assoc. prof. MGT, OREGON, 60-62, PROF, 62- RES. ASSOC, CENTER ADV. STUDY ED. ADMIN, 64- Vis. prof, California, Berkeley, 66-67. Consult, McKinsey & Co, Inc, 66- U.S.A., 44-46, Sgt. Psychol. Asn; Acad. Mgt; Indust. Res. Asn; Soc. Proj. Tech. Theory of intelligence; manpower utilization; measurement of conformity; projective techniques; analysis of changes produced by education and training; organization theory; personnel management; educational administration; management processes. Publ: The management of ineffective performance, McGraw, 63; Studies in management education, Springer, 65; The school administrator and organizational character, Univ. Oregon, 67. Address: School of Business Administration, University of Oregon, Eugene, Ore. 97403.
- MINER, PROF. ROBERT B (RADFORD), b. Conneaut, Ohio, June 1, 16; m. 42; c. 2. MARKETING. B.S.C. Ohio, 38, M.S. 40; Ph.D. Ohio State, 48. From instr. to PROF. MKT, OHIO STATE, 46-, CHMN. DEPT. BUS. ORGN, 57- Summer vis. lectr, Wisconsin, 50. U.S.A., 43-46, 1st Lt. Mkt. Asn; Statist. Asn. Marketing research and economic analysis; distribution cost analysis. Publ: Co-auth, Distribution costs; contrib. Accountants' handbook; Marketing handbook, Ronald. Address: Dept. of Business Organization, Ohio State University, 1775 S. College Rd, Columbus, Ohio 43210.
- MINER, DR. RUTH, b. Galesburg, Ill, May 29, 20. POLITICAL SCIENCE, BUSINESS LAW. A.B. Knox Col, 41; M.A. Illinois, 51; J.D. Chicago, 53; London Sch. Econ, 65; Acad. Int. Law, The Hague, Netherlands, 65. Teacher, high sch, 45-46; training officer & in-serv. training asst, U.S. Vet. Admin, Ill, 46-49; ed. writer, Fed. Trade Reporter, Commerce Clearing House, 53-54; Chicago branch, Fidelity & Deposit Co. Md, 54-57; from asst. prof. to ASSOC. PROF. POLIT. SCI. & BUS. LAW, WIS. STATE, WHITEWATER, 58- Participant, Slavic Lang. Summer Workshop, Indiana, 59. W.A.V.E.S., 43-45. Constitutional law. Address: Dept. of Political Science, Wisconsin State University, Whitewater, Wis. 53190.
- MINGS, DR. ROBERT C, b. Chicago, Ill, Feb. 25, 35; m. 61; c. 2. GEOGRAPHY. B.S. Indiana, 57, M.A.T. 58; Purdue, 60; Ph.D. (geog), Ohio State, 66; Guadalajara, summer, 67. Teacher, pub. schs, Ill, 59-61; instr. & asst. GEOG, Ohio State, 61-66; ASST. PROF, MIAMI (FLA), 66- Eng. C, U.S.A., 58-59. Asn. Am. Geog; Soc. Int. Develop. Economic development, particularly to the role of government. Publ: Influence of the commonwealth government

- on the growth rate of the Puerto Rico tourist industry, Memorandum Folio, 11/66. Address: Dept. of Geography, Box 8152, University of Miami, Coral Gables, Fla. 33124.
- MINI, DR. PIERO, b. Reggio, Italy, Apr. 4, 36; m. 60; c. 2. ECONOMICS. B.S. N.Y. Univ. 61; Ph.D.(econ), Tulane, 65. ASST. PROF. ECON. Ga. Inst. Tech. 64-65; Loyola Col.(Que), 65-67; NORTHEASTERN, 67- Econ. Asn; Asn. Evolutionary Econ. Economic development, especially international economics; history of economic thought and methodology. Publ: Foreign direct investment in Italy 1956-1963, Am. J. Econ. & Social, 1/68; Foreign investment and growth in Italy: 1956-1963, Econ. Develop. & Cultural Change, 1/68. Address: 9 Radnor Rd, Brighton, Mass. 02135.
- MINICHELLO, DR. ROBERT JAMES THOMAS, b. Boston, Mass, May 24, 33; m. 57; c. 4. BUSINESS ADMINISTRATION. A.B. Harvard, 54, D.B.A.(mkt), 65; M.B.A. Boston, 58. Res. asst. BUS. ADMIN. Harvard, 59-60, instr. 60-62; assoc. prof, NORTHEASTERN, 65-68, PROF, 68- U.S.A. 54-56. Management decision making; marketing management; retail distribution. Publ: The real challenge of food discounters, J. Mkt, 4/67; Comparative assortment of discount food stores and conventional supermarkets, winter 68 & Comparative prices of discount food stores and conventional supermarkets, (in press), J. Retailing. Address: Dept. of Marketing, Northeastern University, Boston, Mass. 02115.
- MINIFIE, DR. FRED DELWIN, b. Miles City, Mont, Jan. 18, 36; m. 56; c. 4. SPEECH PATHOLOGY. B.A. Linfield Col, 59; M.A. Iowa, 62, Ph.D.(speech path), 63. Res. asst. audiol. & lang, Iowa, 59-61, res. assoc. stuttering, 61-63; asst. prof. speech & dir. speech sci. lab, WISCONSIN, MADISON, 63-66. ASSOC. PROF. COMMUN. DISORDERS, 66- Speech & Hearing Asn. Experimental phonetics; diagnostic ultrasound. Publ: Co-auth, Temporal reliability of seven language measures, 6/63 & Correlates of turbulent noise production for speech, 3/67, J. Speech & Hearing Res; co-auth, Measurement of vocal fold motion using an ultrasonic doppler velocity monitor, J. Acoustical Soc. Am, 5/68. Address: Dept. of Communicative Disorders, University of Wisconsin, 905 University Ave, Madison, Wis. 53706.
- MINISTER, DR. EDWARD BOYD, b. Ingham, Pa, July 20, 34; m. 59; c. 2. SOCIOLOGY. A.B. Ohio, 60; M.A. Columbia, 61, D.Ed. 66. Lectr. ed, Brooklyn Col, 61-63; ASST. PROF, City Col. New York, 64-67; SOCIOLOGY, BOWDOIN COL, 67- Res. asst. guid. lab, Hunter Col, 63-65. U.S.N.R., 57-59. Sociol. Asn. Empathic responses of guidance counselors; race relations in secondary schools. Publ: Co-auth, The school and the community, New Univ. Thought, 5/67. Address: Dept. of Sociology, Bowdoin College, Brunswick, Maine 04011.
- MINIUM, PROF. EDWARD W(HEADON), b. Alameda, Calif, Nov. 28, 17; m. 41; c. 2. PSYCHOLOGY. A.B. Stanford, 39; Ph.D.(psychol), California, 51. Psychologist & psychometrist, San Francisco Recruiting & Induction Sta, 42; psychologist, California, 46-48; instr. PSYCHOL, SAN JOSE STATE COL, 48-51, asst. prof, 51-54, assoc. prof, 54-58, PROF, 58-, head dept, 61-66. Consult, 51- U.A.A.A.F, 43-46. Psychol. Asn. Personnel psychology; accidents; statistics. Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 95114.
- MINKEL, PROF. CLARENCE W(ILBERT), b. Austin, Minn, Feb. 9, 28; m. 47; c. 5. GEOGRAPHY. A.B. Colo. State Col, 53, univ. fcls, 53-55, A.M. 55; Watson fcls, Syracuse, 56-60, U.S. Steel Found. fcls, 58-60, Ph.D.(geog), 60. Instr. soc. studies & phys. ed, pub. sch, Colo, 53-55; asst, Syracuse, 55-56; asst. prof. geog, Colo. State Col, 60-63, assoc. prof, 63-65; assoc. prof. geog. & assoc. dir. Latin Am. Studies Center, MICH. STATE, 65-66, PROF. GEOG, DIR. SOC. SCI. RES. BUR. & ASST. DEAN COL. SOC. SCI, 67- Summers, instr. Colo. State Col, 55, asst. prof. State Univ. N.Y. Col. Ed. Buffalo, 60. Consult, Encyclop. Britannica, 61-; planning adv, U.S. Agency Int. Develop, Guatemala, 63-65. Pres. cmt. appl. geog, Pan Am. Inst. Geog. & Hist. U.S.A., 45-47. Asn. Am. Geog; Am. Name Soc; Am. Geog. Soc; Nat. Coun. Geog. Ed; Latin Am. Studies Asn; Geog. & Hist. Soc. Guatemala; Royal Spanish Acad. Hist. Latin America; economic and applied geography; national and regional planning. Publ: Co-auth, Analisis urbano—Quezaltenango, Instituto Geografico Nacional, Guatemala, 64; auth, Industrial development of the basin of Valencia, Venezuela; Programs of agricultural colonization and settlement in Central America, Revista Geografica, 67. Address: 206 Berkeley Hall, Michigan State University, East Lansing, Mich. 48823.
- MINKOFF, DR. JACK, b. New York, N.Y., Jan. 29, 25; m. 48; c. 2. ECONOMICS. A.B. Cornell, 48; A.M. Columbia, 50, Soc. Sci. Res. Coun. fel, 50-51, Ford Found. fel, 57-59, Ph.D.(econ), 60. Instr. ECON, Sarah Lawrence Col, 59-60; PRATT INST, 60-61, asst. prof, 61-63, assoc. prof, 63-66, PROF, 66-, CHMN. DEPT. SOC. SCI, 63- Dir. res. proj. on Nat. Inst. Health grant, sch. pub. health & admin. med, Columbia, 62; vis. lectr, New Sch. Soc. Res, 64-66. U.S.A.A.F, 43-45, Sgt. Econ. Asn; Asn. Adv. Slavic Studies; Asn. Evolutionary Econ. Soviet economics; economics of social security and social welfare programs. Publ: Estimating the Soviet wage bill from the receipts of the social insurance system, Slavic Rev. Address: School of Humanities & Social Science, Pratt Institute, Brooklyn, N.Y. 11205.
- MINNEMAN, DR. P(AUL) G(EORGE), b. Sidney, Ohio, July 9, 02; m. 28; c. 3. AGRICULTURAL ECONOMICS. A.B. Ohio State, 24, M.S. 26, Ph.D.(agr. econ), 29; Int. Inst. Ed. fel, Breslau, 26-27. Asst. farm mgt. res, Ohio State, 25-26, instr. econ, 28-29; assoc. economist, U.S. DEPT. AGR, 29-33, sr. economist, 33-36, asst. agr. attache, embassy, London, 36-39, U.S. Dept. State mem. staff in charge agr. res. Latin Am, Wash, 39-42, agr. attache, embassy, Havana, Cuba, 42-48, liaison officer, D.C., 48-49, econ. counselor, AM. EMBASSY, Bern, Switz, 50-51, agr. counselor, Mexico City, 52-55, AGR. ATTACHE, Paris, 55-62, BONN, 62- Econ. Asn; Agr. Econ. Asn. Order of Merit award, Cuban Govt, 47; Order of Merit, French Govt, 61. Farm management; marketing; foreign trade. Address: American Embassy, APO New York 09080.
- MINNICH, DR. R(EYNOLDS) HERBERT, JR, b. Lititz, Pa, July 1, 31; m. 51; c. 3. SOCIOLOGY. B.A. East Mennonite Col, 53; Denison fel. & M.S., Cornell, 58; univ. fel. For. Area Fel. Prog. fel. & Ph.D.(sociol, Latin Am. studies), Florida, 66. Instr. high sch. div, East Mennonite Col, 53-56; missionary, Mennonite Bd. Missions, Brazil, 58-62; ASSOC. PROF. SOCIOLOGY, GOSHEN COL, 66- Asst. dir. Latin Am. Lang. & Area Prog, Univ. Florida, 53-54; summer dir, Laurelville Mennonite Camp, 56, Indiana Univ. Non-West. Studies Prog. study & travel grant, Latin Am, 67, Fulbright travel grant, Brazil, 67. Sociol. Asn; Rural Sociol. Soc; Latin Am. Studies Asn. Latin America area studies. Publ: A manual of social science materials for missionaries, Mennonite Bd. Missions, 58; co-auth, Latin American content courses, Latin Am. Lang. & Area Center, Univ. Florida, 64; O sistema religioso de Witmarsum, Univ. Parana Bull, 68. Address: Dept. of Sociology, Goshen College, Goshen, Ind. 46526.
- MINNICK, PROF. ROBERT F(LETCHER), b. Logansport, Ind, Sept. 16, 26; m. 46. CULTURAL GEOGRAPHY. B.S. Indiana State Teachers Col, 50; M.A. Nebraska, 58; Pittsburgh, 66. Instr. GEOG, Central Michigan, 59-63, asst. prof, 63-65; ASSOC. PROF. CALIFORNIA STATE COL.(PA), 65- U.S.A. 44-46, Sig.C, 50-51. Regional Sci. Asn; Pop. Asn; Am. Geog. Soc; Nat. Coun. Geog. Ed. Historical-geographic study of demographic, industrialization and urbanization processes. Address: Dept. of Geography, California State College, California, Pa. 15419.
- MINNIS, PROF. MHYRA, b. Dvinsk, Latvia, nat; div. SOCIOLOGY. B.A., Oberlin Col, 39, scholar. & M.A. 40; scholar. & Ph.D., Yale, 51. Head soc. worker, Am. Red Cross Serv. to Armed Forces, 43-46; instr. sociol., Bowling Green State, 46-48; res. analyst, U.S. Pub. Health Serv, D.C., 51; sr. soc. sci. res. analyst, air res. div, Library Cong, 51-54; assoc. prof. SOCIOLOGY, Idaho, 54-60; asst. prof, San Fernando Valley State Col, 60-62; PROF. TECH. COL, 62- Lectr, George Washington, 51-52; Spec. Res. Grants Tech. Col. sociol. res. grant, 64-65; Hogg Found. sociol. res. grant, 65-66. Summers, asst. prof. Western Reserve, 47-50, assoc. sociologist, U.S. Dept. Interior, Idaho, 60, vis. prof, Case Western Reserve, 66-67, San Diego State Col, 68. Am. Red Cross Serv, Southeastern area, 43-46. Fel. Sociol. Asn. Analysis of divorce laws; deviant behavior of females. Publ: Co-auth, Sociological perspectives: readings in deviant behavior and social problems, W.C. Brown, 68; auth, Cleavage in women's organizations: a reflection of the social structure of a city, Am. Sociol. Rev, 2/53; Relationship of the social structure of an Indian community to adult and juvenile delinquency, Soc. Forces, 5/63. Address: Dept. of Sociology, Texas Technological College, Lubbock, Tex. 79409.
- MINOGUE, JAMES A(LEXANDER), b. Duluth, Minn, Nov. 8, 12; m. 42; c. 4. GEOGRAPHY. B.E. Minnesota, Duluth, 34; scholar, Clark, 34-35, fel, 35-37, M.A. 36. Geogr. & cartogr, State Planning Cmn, Miss, 37-38; map curator, Nat. Arch, D.C., 38-42; geogr, U.S. Dept. Army, 46-57, coordinator nat. intel. surv, 57-63; INTEL. RES. SPECIALIST, U.S. DEPT. DEFENSE, 63- U.S.N., 42-46, Res, 46-63, Comdr. Asn. Am. Geog; Geophys. Union; Soc. Photogram. Geography; regional planning. Address: 704 S. Overlook Dr, Alexandria, Va. 22305.
- MINOR, DR. F(RANK) J(OHN), b. Dunellen, N.J., Sept. 25, 30; m. 53; c. 2. INDUSTRIAL PSYCHOLOGY. B.S. Rutgers, 55; M.A. Ohio State, 56, Green fel, 57-58, Ph.D.(psychol), 58. Asst. personnel res. bd, Ohio State, 56-57; staff psychologist, human factors eng, INT. BUS. MACH. CORP, 58-61, adv. psychologist, syst. develop. div, 61-63, mgr. eng, psychol. dept, ADV. SYSTS. DEVELOP. DIV, 63-67, MGR. SYSTS. DEVELOP. FOR ED. APPLN, 68- Chmn. symposium group, Sys. Voc. Guid, 67. Psychol. Asn; Human Factors Soc; Int. Asn. Appl. Psychol. Development of computer based man-machine information systems for educational application in instruction; educational and vocational guidance; ability and diagnostic achievement testing and measurement; drill and exercise. Publ: Computer based speech output system, Ergonomics, 65; co-auth, Systems design for handprint character recognition, U.S. Air Develop. Center, 65; Computer based educational and occupational information system, Personnel & Guid. J, 68. Address: 2217 Sultana Dr, Yorktown Heights, N.Y. 10598.
- MINOR, PROF. RICHARD CLYDE, Sociol, see 10th ed, Soc. & Behav. Vols.
- MINOTT, DR. RODNEY GLISAN, U.S. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MINSKY, PROF. HYMAN P(HILIP), b. Chicago, Ill, Sept. 23, 19; m. ECONOMICS. B.S. Chicago, 41; fel, Harvard, 47-49, Ph.D. 54. Instr. Carnegie Inst. Tech, 47; from asst. prof. to assoc. prof. ECON. Brown, 49-58; assoc. prof, California, Berkeley, 59-65; PROF. WASHINGTON (ST. LOUIS), 65- U.S.A. 43-46. Economet. Soc; Econ. Asn. Aggregate economics; monetary and financial theory; capital theory; interpretation of the Keynesian system; effects of uncertainty upon system behavior, particularly the investment decision. Publ: Ed, California banking in a growing economy, Inst. Bus. Econ. Res, Univ. California, 65; auth, Central banking and money market changes, Quart. J. Econ, 57; A linear model of cyclical growth, Rev. Econ. & Statist. Address: Dept. of Economics, Washington University, St. Louis, Mo. 63130.
- MINSKY, PROF. MARVIN LEE, Math, see 11th ed, Phys. & Biol. Vols.
- MINTON, PROF. CHARLES ROBERT, b. Knoxville, Tenn, Mar. 3, 19; m. 46; c. 1. ECONOMICS, BUSINESS MANAGEMENT. B.S. Kentucky, 49, M.S. 52, Ph.D.(econ. bus. admin), 60. Instr. econ, Kentucky, 49-52; asst. prof. finance, Bowling Green State, 52-53; res. assoc, Kentucky, 53-54; assoc. prof. finance, Memphis State, 54-57; Col. William & Mary, 57-59, prof, 59-61; old dom. col, 61-68; PROF. FINANCE & BUS. ADMIN. & CHMN. DEPT. FINANCE, TENNESSEE, NASHVILLE CENTER, 68- U.S.A.F. Econ. Asn; Finance. Asn. Capital budgeting; capital cost; valuation. Publ: Analysis of investment performances, portfolio policies, and practices of twenty selected open-end investment companies, Univ. Kentucky, 66. Address: Dept. of Business Management, Old Dominion College, Norfolk, Va. 23508.
- MINTON, DR. HENRY LEE, b. New York, N.Y., Nov. 20, 34; m. 63. PSYCHOLOGY. B.A. N.Y. Univ, 56; M.A. Southern Illinois, 58; U.S. Pub. Health Serv. fel, Pa. State, 61-62, Ph.D.(psychol), 62. Acting asst. prof. PSYCHOLOGY, Pa. State, 62-63; ASST. PROF, Calif. State Col. Los Angeles, 63-65;

State Univ. N.Y. Albany, 65-67; MIAMI (OHIO), 67- Faculty res. fel, State Univ. N.Y. Albany, summer 67. Consult, Butler County Ment. Health Clin, Ohio, 68- AAAS; Psychol. Asn; Soc. Psychol. Study Social Issues. Personality; clinical and social psychology. Publ: A replication of perceptual curiosity as a function of stimulus complexity, *J. Exp. Psychol.*, 63; Power as a personality construct, In: *Progress in experimental personality research*, Academic, 67; Contemporary concepts of power and Adler's views, *J. Indust. Psychol.*, 68. Address: Dept. of Psychology, Miami University, Oxford, Ohio 45056.

MINTON, PROF. PAUL D (EXON), Math. Statist, see 11th ed, Phys. & Biol. Vols.

MINTURN, PROF. LEIGH, b. Chicago, Ill, July 1, 28; div. PSYCHOLOGY. B.A. Mt. Holyoke Col, 49; fel, Harvard, 51-52; M.A. Radcliffe Col, 52, Ph.D. 53. Res. assoc. PSYCHOL, Cornell, 52-60; asst. prof, Illinois, 58-67; PROF, COLORADO, 67- Ford Found. fel, 54-55; asst. prof, State Univ. N.Y. Col. Ed (Cortland), 57-58. Psychol. Asn; Soc. Res. Child Develop; Anthropol. Asn. Learning; socialization; personality development; cross cultural research on personality; social distance and prejudice. Publ: Co-auth, Race, social class and religion as determinants of social distance, Pan-cultural factors in reported child-rearing practices & Sources of frustration and targets of aggression, *J. Abnorm. & Soc. Psychol.* Address: Dept. of Psychology, University of Colorado, Boulder, Colo. 80302.

MINTZ, PROF. A (LEXANDER), b. Kiev, Russia, June 21, 02; nat; m. 46; c. 3. PSYCHOLOGY. Ph.D. Giessen, 28. Res. assoc. psychol, Smith Col, 27-30; res. psychologist, Letchworth Village, 30-31; from instr. to PROF, PSYCHOL, CITY COL. NEW YORK, 31- Psychol. Asn. History of psychology; nature of social interaction in panic-like situations; mathematical theory of accident liability; psychology in the Soviet Union. Publ: Nonadaptive group behavior, *J. Abnorm. & Soc. Psychol.*; Inference of accident liability from the accident record, *J. Appl. Psychol.*; Further developments in psychology in the U.S.S.R., *Annual Rev. Psychol.* Address: Dept. of Psychology, City College of New York, Convent Ave. at 138th St, New York, N.Y. 10031.

MINTZ, DR. DONALD E (DWARD), Psychol, see Suppl. V to 11th ed, Phys. & Biol. Vols.

MINTZ, PROF. ILSE, b. Vienna, Austria, June 19, 04. ECONOMICS. Dr. rer. polit, Vienna, 27; Ph.D. Columbia, 51. Asst. prof. ECON, COLUMBIA, 51-68, PROF, 68- Mem. staff, Nat. Bur. Econ. Res, 51- International economics and business cycles. Publ: Deterioration in the quality of foreign bonds, 51 & Cyclical fluctuations in the exports of the United States since 1879, 67, *Nat. Bur. Econ. Res.* Address: 3135 Johnson Ave, New York, N.Y. 10463.

MINTZ, DR. NORBETT L (AWRENCE), b. Brooklyn, N.Y., Mar. 17, 31; m. PSYCHOLOGY. B.A. Rollins Col, 52; fel, New Mexico, 52-53, M.A. 54; fela, Brandeis, 53-57, Ph.D. (psychol), 57. Asst. clin. psychologist, Orange County Guid. Clin, 50-51; consult. psychologist, Psychol. Guid. Center, 51-52; Orange County Juvenile Court, 52; dent. sch, Tufts, 55-56; instr. & res. fel. psychol, Brandeis, 57-58; instr. soc. rels. & res. assoc. psychol, lab. soc. rels, Harvard, 58-60; asst. prof. psychol, Brandeis, 60-65; ASSOC. PSYCHOLOGIST, McLEAN HOSP, 65-; ASSOC. PSYCHIAT, HARVARD MED. SCH, 65- Res. assoc, Harvard Grad. Sch. Ed, 63-66; res. psychologist, Mass. Mem. Hosp, 64-65; lectr, Massachusetts, Boston, 66. Consult, Mass. Ment. Health Center Corp, 59-60; Boston State Hosp, 58-59, 61-65; State of Mass, 59-60; Putnam Clin, 66. AAAS; Psychol. Asn; Int. Soc. Biometeorol. Personality, socio-cultural, developmental and abnormal psychology; aesthetics; animal ethnology. Address: McLean Hospital, Belmont, Mass. 02178.

MINTZ, DR. NORMAN N (ELSON), b. New York, N.Y., Sept. 18, 34; m. 60; c. 2. ECONOMICS. A.B. Bucknell, 55; Ph.D. (econ), N.Y. Univ, 66. Economist, U.S.-P.R. Cmn. Status P.R., 65-66; ASST. PROF. FINANCE, SYRACUSE, 65-Sig.C. U.S.A.R., 55-57, 1st Lt. Econ. Asn; Finance Asn; Economist. Soc; Royal Econ. Soc. International economics, especially international monetary relations; exchange rates and balance-of-payments adjustment. Publ: International monetary relations, *Int. Textbook* 68; Economic observations on lump sum settlement agreements, *Ind. Law Rev.*, summer 68. Address: Dept. of Finance, Syracuse University College of Business Administration, Syracuse, N.Y. 13210.

MINTZ, PROF. SIDNEY W (ILFRED), b. Dover, N.J., Nov. 16, 22. ANTHROPOLOGY. B.A. Brooklyn Col, 43; Rockefeller Found. fel, Columbia, 48-49, Ph.D. (anthrop), 51; hon. M.A. Yale, 63. Lectr. anthrop. & sociol, City Col. New York, 50-51; ANTHROP, Columbia, 51; instr, YALE, 51-53, asst. prof, 54-59, assoc. prof, 60-63, PROF, 63- Guggenheim fel, 58-59; Soc. Sci. Res. Coun. faculty res. fel, 58-60; vis. prof, Mass. Inst. Tech, 64-65; Fulbright-Hayes sr. res. fel, 66-67. Consult, U.S.-P.R. Senate Cmn. on Status of P.R., 65-66. U.S.A.A.F., 43-46. Fel. Anthropol. Asn; Ethnol. Soc. (v. pres. & pres. elect, 67); fel. Royal Anthropol. Inst; Middle East Inst; Int. African Inst. Cultural anthropology; Caribbean ethnology and peasant economy; Afroamerican studies. Publ: Worker in the Cane: a Puerto Rican life history; Co-auth, Analysis of ritual co-parenthood, Southwest. *J. Anthropol.* auth, Peasant markets, *Sci. American*, 60. Address: 2114 Yale Station, Yale University, New Haven, Conn. 06520.

MINTZES, JOSEPH, b. Philadelphia, Pa, Dec. 4, 15; m. 48; c. 2. ECONOMICS. B.S. Temple, 44; M.A. American Univ, 49. Labor economist, Bur. Labor Statist, 46-49; econ. advr, labor div, Econ. Coop. Admin, Europe, 49-51; dir. labor econ. div, Mutual Security Admin. & For. Opers. Admin, 51-57; labor & manpower adv. U.S. Mission to European Regional Orgn, 57-62, labor adv, Bur. European Affairs, DEPT. OF STATE, 62-64, consul general, 64, sr. seminar for. polit, For. Serv. Inst, 64-65, dir, Agency Int. Develop. Mission & econ. counsr, Am. Embassy, Kinshasa, Congo, 65-67, SR. ECONOMIST FOR RES, 67- Econ. Asn; Indust. Rel. Res. Asn; Soc. Int. Develop. International and development economics; manpower-human resources development; industrial relations. Address: 3530 Yuma St. N.W., Washington, D.C. 20008.

MIRACLE, DR. GORDON ELDON, b. Olympia, Wash, May 28, 30; m. 57; c. 3. MARKETING, COMMUNICATION. B.B.A., Wisconsin, 52, M.B.A., 58, Ph.D. (commerce, econ, law), 62. Civilian case officer & intel. analyst, 66th Counter Intel. Corps Group, 55-57; instr. mkt. grad. sch. bus. admin, Michigan, 60-61, asst. prof, 61-66, ASSOC. PROF. ADVERT, COL. COMMUN. ARTS, MICH. STATE, 66- Off. Instr. Res. & State News res. grant, 67-69. Fel. prog. appln. of math. to bus, Univ. Michigan, 61-62, res. grants, prog. int. bus, 64-66; summer fel, int. bus. workshop, N.Y. Univ, 64. U.S.A., 52-55. Econ. Asn; Mkt. Asn; Asn. Ed. Int. Bus. International business policies, especially marketing communication, pricing, product development, theory, process and impact on world social and economic development; international expansion of advertising agencies; consumer behavior, especially causes and effects of income and expenditure patterns. Publ: Marketing decision making: strategy and payoff, 65 & Management of international advertising, 66, *Bur. Bus. Res.*, Univ. Michigan; Product characteristics and marketing strategy, *J. Mkt.*, 1/65. Address: Dept. of Advertising, College of Communication Arts, Michigan State University, East Lansing, Mich. 48823.

MIRACLE, PROF. MARVIN P (RESTON), b. Grandfield, Okla, Jan. 31, 33; div; c. 1. ECONOMICS. B.S. Okla. State, 54; A.M. Stanford, 58 & 57, Ford Found. fel, 56-60. Res. assoc. agr. econ, Stanford & asst. prof. econ, San Francisco State Col, 61-64; agr. econ, WISCONSIN, MADISON, 64-66, ASSOC. PROF. AGR. ECON. & CHMN. COMP. TROP. ECON. PROG, 66- Soc. Sci. Res. Coun. grant, field res. West Africa & Agr. Develop. Coun. grant, res. Cocoa Zone, Brazil, 65-66. Consult, Mid. Africa Proj, Nat. Acad. Sci-Nat. Res. Coun, 59; develop. policy agr. sector of Ghana, U.S. Agency Int. Develop, 67. Mil. Intel, 57, 1st Lt. Econ. Asn; Economist. Soc; Agr. Econ. Asn; fel. African Studies Asn; fel. Geog. Soc. Applied quantitative economics; economic history, development and structure of African economies; agricultural geography and policy; comparative tropical economics. Publ: Maize in tropical Africa, 66 & Agriculture in the Congo Basin: tradition and change in African rural economies, 67, *Univ. Wisconsin*; Response to economic incentives in Central Africa, *Proc. Ann. Conf. West. Econ. Asn.*, 62. Address: Dept. of Agricultural Economics, Agricultural Hall, University of Wisconsin, Madison, Wis. 53706.

MIRIN, DR. LINDA S, b. New York, N.Y., Feb. 22, 39. ECONOMICS, POLITICAL SCIENCE. B.A. Radcliffe Col, 59; Ph.D. (econ. & polit. sci), Harvard, 64. ECONOMIST, Inter-Am. Develop. Bank, 64-67; INT. MONETARY FUND, 67- Econ. Asn; Polit. Sci. Asn. Economic policy, especially development and political processes; regional specialization: Latin America. Address: 1619 30th St. N.W., Washington, D.C. 20007.

MIRMOW, PROF. ESTHER LEE, b. Summerville, S.C., Dec. 1, 22. PSYCHOLOGY. A.B. Smith Col, 43, A.M. 45; Ph.D. (psychol), Washington (St. Louis), 52. Instr. Smith Col, 45-47; sch. psychologist, San Diego City Schs, Calif, 47-49; asst. PSYCHOL, Washington (St. Louis), 49-52; asst. prof, MILLS COL, 52-59, assoc. prof, 59-66, PROF, 66- HEAD DEPT, 56- Fel. clin. psychol, Michael Reese Hosp, Chicago, Ill, 58-59. Psychol. Asn. Projective methods; behavior problems of children; personality. Publ: Co-auth, When inquiry fails, *J. Proj. Methods*; Group psychiatric consultation with public school personnel, *Personnel & Guid. J.*; Validation of trends in the children's form of the Rosenzweig picture-frustration study, *J. Personality*. Address: Dept. of Psychology, Mills College, Oakland, Calif. 94613.

MIRON, DR. MURRAY S, b. Allentown, Pa, Aug. 7, 32; m. 54; c. 1. PSYCHOLINGUISTICS. B.S. Northwestern, 54; M.A. Illinois, 56, Ph.D. (psycholing), 60. Res. assoc. PSYCHOL, Illinois, 59-60, asst. prof, 60-65; ASSOC. PROF, SYRACUSE, 65- Consult. ed, *J. Soc. & Personality, Psychol.*, 67- Mem. nat. standardization cmt. rehab. & disorder codes, Nat. Insts. Health, 65-66; Nat. Steering Cmt. for Implementation Info. Processing for Rate Controlled Speech, 66- Psychol. Asn; Ling. Soc; Psychonomic Soc. Psycholinguistic research in the areas of meaning, sentence understanding; speech compression and automatic abstracting. Publ: Co-auth, Approaches to the study of aphasia, 63 & Tables of transitional frequencies, 64, *Univ. Illinois*; Readings in the psychology of language, Prentice-Hall, 67. Address: Dept. of Psychology, Syracuse University, 150 Marshall St, Syracuse, N.Y. 13210.

MIRON, DR. NATHAN, b. Houston, Tex, May 28, 27. PSYCHOLOGY. B. Music, North Texas State, 52, M. Music, 56; M.A. New Mexico State, 59; fel, Houston, 59-64, Ph.D. (clin. psychol), 64. Teacher, pub. schs, Tex, 52-55; music Wharton County Jr. Col, 53-55; pub. schs, N. Mex, 55-56; lectr. psychol, Houston, 64; staff psychologist (clin), SONOMA STATE HOSP, ELDRIDGE, 64-66, SR. PSYCHOLOGIST, 66- U.S.N., 45-46. Psychol. Asn; Asn. Adv. Behav. Ther. Use of operant conditioning techniques to modify the behavior of severely retarded institutionalized children and adolescents. Publ: Behavior shaping and group nursing with severely retarded patients, *Calif. Ment. Health Res. Monogr.*, 8, 66; co-auth, The Poppe Project: behavior shaping with the severely retarded (film), Exten. Media Center, California, Berkeley, 66; Regulating operant conditioning programs: a reply, *Hosp. & Community Psychiat.*, 7/68. Address: 12800 Dunbar Rd, Glen Ellen, Calif. 95442.

MIRSKI, DR. MICHAEL D (IMITRI) S (WIATOPOLK), b. Boksza, Bessarabia, Mar. 24, 04; m. 40; c. 2. ECONOMICS. LL.M., Czernowitz, 25; LL.D. Paris, 29. Lectr. contemporary civilization, Columbia, 43-48; sr. res. fel. Slavic studies, Hoover Inst. War, Revolution & Peace, Stanford, 48-49; mem. staff & faculty, U.S. Mil. Acad, 49-51, chief Russian lang. group, dept. for. lang, 51-57; SR. ECONOMIST, SOC. SECURITY ADMIN, 57- Vis. prof, Maryland, 60-61. U.S.A.R., 49-, Lt. Col. Econ. Asn. Economics of the Soviet Union; comparative history; comparative and Slavonic linguistics. Publ: Soviet Union and the business cycle; Status of private debts during and after inflation; How shall lend-lease accounts be settled. Address: 4633 Schenley Rd, Baltimore, Md. 21210.

MIRSKY, PROF. ALLAN F (RANKLIN), b. New York, N.Y., Feb. 2, 29; m. 51; c. 2. PSYCHOLOGY. B.S. City Col. New York, 50; M.S. Yale, 52, Ph.D. (psychol), 64. Asst. psychol, Yale, 50-54; res. psychologist, Nat. Inst. Ment. Health, 54-61; asst. res. prof. NEUROPSYCHOL, DEPT. PSYCHIAT, SCH. MED, BOSTON, 61-63, assoc. res. prof, 63-66, PROF, 66- Lectr, Catholic Univ, 56-61; Nat. Inst. Ment. Health res. career develop. award. Chmn.

small grant cmt, Nat. Inst. Ment. Health, 66-69. U.S.P.H.S. 54-, Lt. Comdr. AAAS; Psychol. Asn; Col. Neuropsychopharmacol. Relation between behavior and brain function; primate social behavior; relation between neural events and attentive behavior. Publ: On the nature of the 'absence' in petit mal epilepsy, *Electroencephalog. & Clin. Neurophysiol.* 65; The relation of EEG and performance in altered states of consciousness, *Ann. Res. Nervous & Ment. Disease*, 67; Effects of chlorpromazine, secobarbital and sleep deprivation on attention in monkeys, *Psychopharmacologia*, 67. Address: Dept. of Psychiatry, Boston University School of Medicine, 80 E. Concord St, Boston, Mass. 02118.

MISCH, DR. ROBERT C, b. Providence, R.I., Oct. 22, 23; m. 49; c. 3. CLINICAL PSYCHOLOGY. B.S. Boston, 49, M.A. 50; Ph.D. (psychol.), Clark, 54. Trainee, Vet. Admin, 50-53, clin. psychologist, Boston Vet. Admin. Hosp, 53-64; assoc. psychologist, Mass. Gen. Hosp, 64-67; CHIEF PSYCHOLOGIST, BETH ISRAEL HOSP, BOSTON, 67- Instr. Clark, 56-64; Northeastern, 59-60; lectr. grad. sch, Boston, 66- Consult, Mass. Dept. Ment. Health, 56-64; Mass. Gen. Hosp, 59-; Vet. Admin, 66- U.S.A., 42-46. Psychol. Asn; Group Psychother. Asn. Group and individual therapy; assessment; community mental health. Address: 274 Park St, Newton, Mass. 02158.

MISCHAIKOW, DR. MICHAEL K, b. Pasardshik, Bulgaria, Jan. 14, 18; m. 50; c. 2. REGIONAL ECONOMICS, ECONOMIC DEVELOPMENT. B.A. Col. Econ. & Commerce, Bulgaria, 41; M.B.A. Hochschule fur Welthandel, Austria, 44; M.A. Indiana, 57, Ph.D. 61. Teaching assoc. statist, Indiana, 56-64; asst. prof. econ. & res. assoc. col commerce, West Virginia, 60-64; ASSOC. PROF. ECON, WEST. WASH. STATE COL, 64- Asst. Nat. Bur. Econ. Res, 56- Ed, *Annals Regional Sci. Econ. Asn*; Statist. Asn; Regional Sci. Asn; Comp. Econ. Asn. International aspects of energy supplies; economic impact of institutions of higher education on the regions of their location. Publ: Postwar changes in the export markets for American coal, *West Virginia Univ.* 65. Address: Dept. of Economics, Western Washington State College, Bellingham, Wash. 98225.

MISCHEL, DR. THEODORE, Philos. of Sci, see 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.

MISCHEL, PROF. WALTER, b. Vienna, Austria, Feb. 22, 30; nat; m. 60. CLINICAL PSYCHOLOGY. B.A. N.Y. Univ, 51; M.A. City Col. New York, 53; Ph.D. (psychol.), Ohio State, 60. Asst. prof. CLIN. PSYCHOL, Colorado, 56-58; Harvard, 58-62; from assoc. prof. to PROF. STANFORD, 62- Consult, Vet. Admin. Training Prog. Psychol. Asn. Personality theory and assessment; cross-cultural studies; psychotherapy. Address: Dept. of Psychology, Stanford University, Stanford, Calif. 94305.

MISCHKE, PROF. BERT B, Polit. Sci, see 10th ed, Soc. & Behav. Vols.

MISER, DR. HUGH J (ORDON), *Oper. Res*, see 11th ed, Phys. & Biol. Vols.

MISES, PROF. LUDWIG, b. Lemberg, Austria, Sept. 29, 81; nat; m. 38. ECONOMICS. LL.D. Vienna, 06; hon. LL.D. Grove City Col, 57, N.Y. Univ, 63; hon. Dr. rer. pol, Freiburg, 64. Prof. Vienna, 13-38; Grad. Inst. Int. Studies, Geneva, 34-40; VIS. PROF. ECON, GRAD. SCH. BUS. ADMIN, N.Y. UNIV, 45- Adv. Austrian Chamber Commerce, 09-34. Publ: Theory of money and credit, Jonathan Cape, London, 12; Theory and history, Yale, 57; Human action, a treatise on economics, Regnery, 3rd ed, 67. Address: 777 West End Ave, New York, N.Y. 10025.

MISEY, DR. EDWARD GABRIEL, b. Milwaukee, Wis, Oct. 1, 18; m. 47. PUBLIC LAW, GOVERNMENT. B.A. Wisconsin, 42, univ. scholar, 44-45, M.A. 45; LL.B. George Washington, 50; Ph.D. (pub. law, govt), Columbia, 50. Tutor govt, City Col. New York, 46-47; instr. govt. & polit, Maryland, 47-48; attorney-adv, U.S. Dept. Labor, 50-51; U.S. Dept. State, 51-66; Nat. War Col, 66-67; LEGAL ADV, AM. EMBASSY, MANILA, PHILIPPINES, 67- U.S.A., 42-43. Am. Soc. Int. Law. International and constitutional law; American political institutions. Address: 3263 Beech St. N.W., Washington, D.C. 20015.

MISHKIN, DR. MORTIMER, Psychol, see 11th ed, Phys. & Biol. Vols.

MISHLER, DR. ELLIOT G (GEORGE), b. New York, N.Y., Oct. 6, 24; m. 46; c. 1. SOCIAL PSYCHOLOGY. B.S.S. City Col. New York, 46; M.S. Michigan, 47, Ph.D. (soc. psychol.), 51. Instr. psychol, Princeton, 49-51, asst. prof, 55-57, res. assoc, orgn. behav. sect, off. pop. res, 51-57; res. assoc, Joint Cmn. Ment. Illness & Health, 57-59; assoc. PSYCHIAT, HARVARD MED. SCH, 59-65, asst. clin. prof, 65-67, ASSOC. CLIN. PROF, 67-; DIR. PSYCHOL. RES, MASS. MENT. HEALTH CENTER, 59- U.S.A.A.F., 43-45, 2nd Lt. Psychol. Asn; Sociol. Asn. Social psychology and psychiatry; personality and social structure. Publ: Co-auth, Family growth in metropolitan America & New trends in mental patient care; auth, Interaction in families. Address: Dept. of Psychiatry, Harvard University Medical School, Boston, Mass. 02115.

MISIAK, PROF. HENRYK, b. Dolak, Poland, Feb. 4, 11; nat. PSYCHOLOGY. B.A. Wybicki Sch, Poland, 30; S.T.L. Poland Univ, 37; Glasgow, 42-44; Ph.D. (exp. psychol.), Fordham, 46. Prof. relig. philos. & psychol, Polish Col, 40-44; instr. PSYCHOL, FORDHAM, 46-49, asst. prof, 49-54, assoc. prof, 54-66, PROF, 67- AAAS; Psychol. Asn. Physiological psychology; history of psychology; psychopharmacology, use of flicker-fusion test in drug evaluation; psychoendocrinology. Publ: Catholics in psychology, a historical survey; Philosophical roots of scientific psychology; co-auth, History of psychology: an overview, Grune, 66. Address: 3103 Arlington Ave, New York, N.Y. 10463.

MISNER, PROF. ARTHUR J (ACK), b. Los Angeles, Calif, July 14, 21; m. 52; c. 2. POLITICAL SCIENCE. A.B. California, 42, M.A. 48, Ph.D. (polit. sci.), 54. Admin. analyst, California, 50-52, lectr, 52-53, pub. admin. analyst, 54-55; from asst. prof. to PROF. GOVT, CALIF. STATE COL. LOS ANGELES, 55- Pres. Gormac Consult. U.S.N., 42-46, Lt. Soc. Publ Admin; Pub. Personnel Asn. Intergovernmental relations; metropolitan government and administration; administration of higher education. Publ: Co-auth, Intro-

duction to California government, 66, California politics and policies, 66 & Government in American society, 68, Addison-Wesley. Address: Dept. of Government, California State College at Los Angeles, 5151 State College Dr, Los Angeles, Calif. 90032.

MISNER, DR. GORDON EUGENE, b. Denver, Colo, Aug. 26, 27; m. 50; c. 2. CRIMINOLOGY, POLITICAL SCIENCE. A.B. San Francisco State Col, 51; M.A. California, Berkeley, 52, D.Crim, 67. Asst. prof. police admin, San Jose State Col, 56-59, assoc. prof, 59-66; VIS. ASSOC. PROF. CRIMINOL, CALIFORNIA, BERKELEY, 66- Consult, police depts, 57-; Attorney Gen, Calif, 58-59; President's Cmn. Law Enforcement & Admin. of Justice, 65-66; human rels. cmm, Marin County, Calif, 67-68. U.S. Merchant Marine, 45-47; U.S.A., 52-54. Police administration; police-community relations; law enforcement and its relationship to state and local government. Publ: Recent developments in the metropolitan law enforcement. I Is there a problem?, *J. Criminal Law, Criminol. & Police Sci*, 1-2/60; co-auth, The police and the community: the dynamics of their relationship in a changing society, President's Cmn. Law Enforcement & Admin. Justice, Berkeley, 2 Vols, 10/66; auth, The urban police mission, In: *Issues in criminology*, Vol. 2, 67. Address: School of Criminology, University of California, Berkeley, Calif. 94720.

MISSALL, PROF. J. ELLSWORTH, b. New York, N.Y., Jan. 10, 09; m. 31; c. 2. POLITICAL SCIENCE. A.B. Columbia, 31, A.M. 32, scholar, 32-33, Ph.D. 45. Instr. POLIT. SCI, Union Col, N.Y., 33-34; from instr. to assoc. prof, BROOKLYN COL, 43-65, PROF, 65-, ASST. DEAN, 67-, asst. dir, 60-67. Polit. Sci. Asn; Am. Acad. Arts & Sci. Evening college administration. Publ: The Moreland Act; To help them achieve, Rockefeller Found, 66. Address: R.D. 1, Warwick, N.Y. 10990.

MITAU, PROF. G (UNTER) THEODORE, b. Berlin, Germany, Apr. 4, 20; nat; m. 41; c. 2. POLITICAL SCIENCE. B.A. Macalester Col, 40; M.A. Minnesota, 42, Ph.D. 48; summers, Stanford, 53, Harvard, 56. From instr. to assoc. prof, POLIT. SCI, MACALESTER COL, 40-52, PROF. & CHMN. DEPT, 52-; CHANCELLOR MINN. STATE COL. SYST, 68- Vis. prof, Nebraska, 55-56; mem. exec. seminar faculty, U.S. Civil Serv. Cmn, 66- Res. consult, Minn. Hist. Soc, 57-60; consult, State Cmnr. Employ. Security, Minn, 58; State Legis. Interim Cmt. Election Law, 58-59; spec. consult, U.S. Senate Cmt. Unemploy. Probs, 60; election analyst, KSTP-TV, 60, 62, 66 & 68; mem, Gov. Coun. Exec. Reorgn, 67- Book rev. ed, Midwest J. Polit. Sci, 65- U.S.A.R., 48-, Capt. Polit. Sci. Asn. State and local government, political parties and elections; public law. Publ: Politics in Minnesota, Univ. Minnesota; State and local government: politics and processes, 66 & Decade of decision: the Supreme Court and the constitutional revolution, 1954-1964, 67, Scribner. Address: Dept. of Political Science, Macalester College, St. Paul, Minn. 55101.

MITCHELL, DR. BRIDGER M, b. New Haven, Conn, Aug. 28, 40; m. 62; c. 2. ECONOMICS. A.B. Stanford, 62; Ph.D. (econ), Mass. Inst. Tech, 68. ASST. PROF. ECON, STANFORD, 66- Econ. Asn; Economet. Soc. Econometrics; economic theory. Address: Dept. of Economics, Stanford University, Stanford, Calif. 94305.

MITCHELL, DR. BROADUS, b. Georgetown, Ky, Dec. 27, 92. ECONOMICS. A.B. South Carolina, 13; fel, Hopkins, 17-18, Ph.D. 18; L.H.D. Hofstra, 67. Instr. polit. econ, Hopkins, 19-22, assoc. 22-27, assoc. prof, 27-39; vis. prof. econ, Occidental Col, 39-40, prof, 40-41; acting dir. res. Int. Ladies Garment Workers' Union, Am. Fed. Labor, 43-47; prof. econ, Rutgers, 47-57; vis. prof, Hofstra, 57-67; RETIRED. Am. Philos. Soc. res. grant, 58. Consult. to dir, div. rev. Nat. Recovery Admin, 35-36. Econ. Asn. History of economic thought; the industrial revolution in the South; constitutional history of the United States in the early period. Publ: Rise of cotton mills in south, Johns Hopkins, 21; Depression decade, Rinehart, 47; Alexander Hamilton, Macmillan, 2 vols, 57, 62. Address: 49 Barrow St, New York, N.Y. 10014.

MITCHELL, DR. CHARLES C, b. New York, N.Y., Aug. 24, 25; m. 48; c. 4. PSYCHOLOGY. B.S. N.C. State, 48, M.S. 51; Ph.D. (psychol.), Tennessee, 63. Asst. clin. psychologist, State Hosp, Raleigh, N.C. 53-54; asst. prof. & dir. testing & counseling, Ga. State Col, 54-57; instr. psychol. & admin. & assoc. dir, exten. div, Tennessee, 57-63; asst. prof. PSYCHOL. Richmond Prfl. Inst, 63-65; ASSOC. PROF, EAST CAROLINA, 65- Psychol. consult, Chesterfield County Schs, 63-64, Goodwill Indus, Va, 64-65; acting chief psychologist, Cent. State Hosp, Petersburg, Va, 64-65; psychol. consult, Greenville City Schs, N.C. 66-67; Goldsboro City Schs, 67-68. Psychol. Asn. Vision; audition; reading ability; group therapy; autism; learning. Address: Dept. of Psychology, East Carolina University, Box 2774, Greenville, N.C. 27834.

MITCHELL, DR. DONALD W (ILLIAM), b. Warren, Minn, May 27, 11; m. 35; c. 2. POLITICAL SCIENCE, HISTORY. B.A. Southern California, 32, M.A. 35, Ph.D. (hist), 39. Asst. prof. govt, Sam Houston State Col, 41-43, prof, 43-47; asst. prof. polit. sci. & hist, Newark Col, Rutgers, 47-50; mem. Mass. Inst. Tech. Ops. Eval. Group, U.S. Dept. Navy, 50-52; chief historian, Nat. Prod. Authority, 52-53; historian in charge Pac. Sect. Off. Surgeon Gen, U.S. Dept. Army, 53-59; ed. specialist, Indust. Col. Armed Forces, 59-65; prof. polit. sci, Parsons Col, 65-68; CHMN. DEPT. POLIT. SCI, NORTHEAST MO. STATE COL, 68-, vis. prof, 67-68. Knopf literary fel. hist, 43; res. grants, Rutgers, 48-50. Hist. Asn; Polit. Sci. Asn. Modern history; naval history of the United States and Soviet Union; civil defense; strategy of World War II. Publ: History of the modern American Navy: 1883 through Pearl Harbor, Knopf, 46; Civil defense: planning for survival recovery, 62 & 2nd ed, 66 & Production: the industrial sector in peace and war, 66, Govt. Printing Off. Address: 1003 E. Jefferson, Kirksville, Mo. 63501.

MITCHELL, DR. FRANCIS HENRY, b. Long Beach, Calif, May 25, 17; m. 43; c. 1. PSYCHOLOGY, EDUCATION. British Columbia, 35-40; M.A. Chicago, 46, Ph.D. (human develop), 50. Lectr. ed. psychol, Texas, 49-52; ASSOC. PROF. PSYCHOL. & ED, WABASH COL, 52- U.S.N.R., Lt. Psychol. Asn. Address: Dept. of Psychology, Wabash College, Crawfordsville, Ind. 47933.

- MITCHELL, GEORGE W(ILDER), b. Richland Center, Wis. Feb. 23, 04; m. 27; c. 4. ECONOMICS. A.B. Wisconsin, 25; Iowa, 27-30; Chicago, 30-33. Dir. res. State Tax Cmn, Ill, 33-39, 41-43, asst. to dir. revenue, State of Ill, 43, dir. finance, 49-51; tax economist, Fed. Reserve Bank of Chicago, 44-48, v-pres, 51-61, MEM. BD. GOV. FED. RESERVE SYST, 61-. Consult, Civil Aeronaut. Bd, 44-45. Mem. joint cmt. internal revenue taxation, 80th Cong; chmn. consumer installment credit report cmt, Fed. Reserve Syst, 57, financing small bus. cmt, 58; mem. revenue cmn, Gov. Ill, 61; nat. cmt. govt. finance, Brookings Inst, 61-65. Econ. Asn; Finance Asn; Regional Sci. Asn; Tax Inst; Int. Inst. Pub. Finance. Money and banking; public and corporate finance. Address: Federal Reserve System, Washington, D.C. 20551.
- MITCHELL, PROF. GLEN H(UGH), b. Bridgeton, Ind, Sept. 10, 24; m. 53; c. 3. DEVELOPMENT ECONOMICS. B.Sc. Ohio State, 49, M.Sc. 51, Ph.D.(agr. econ), 54. Agr. economist, U.S. Dept. Agr, 49-50; instr. & asst. agr. econ, Ohio Exp. Sta, 50-54, asst. prof. & agr. economist, 54-60; dir. econ. & mkt. res, Ind. Farm Bur. Coop. Asn, 60-63; economist, UN Spec. Fund, Cali, Colombia, 63-66; PROF. BUS. ADMIN. & ECON, NEW MEXICO STATE, 66-Summer fels, creative prog. solving inst, Buffalo, 57, Case, 60 & Chicago, 68; vis. prof. Southern Illinois, 65-66. Collab, U.S. Dept. Agr, 55-57 & summer 67. Consult, Mendota Res. Assocs, 56-58; Mkt. Res. Corp. Am, 57; U.S. Forest Serv, 58; Gilbert Mkt. Res. Corp, 66- U.S.A.A.F, 43-46, Sgt. Econ. Asn; Mkt. Asn; Statist. Asn; Soc. Int. Develop; Regional Sci. Asn; Agr. Econ. Asn; Coun. Consumer Info. Economic development, Latin American studies, marketing research; consumer economics and international marketing. Address: College of Business Administration & Economics, New Mexico State University, Las Cruces, N.Mex. 88001.
- MITCHELL, PROF. HARRY A(DAM), Mkt, see 10th ed, Soc. & Behav. Vols.
- MITCHELL, PROF. HARVEY, Mod. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MITCHELL, DR. HOWARD E(STILL), b. Indianapolis, Ind, Aug. 13, 21; m. 3; c. 1. PSYCHOLOGY. B.S. Boston, 43; New Hampshire, 43-44; Ph.D. Pennsylvania, 50. Res. investr. sch. med. PENNSYLVANIA, 50-54, res. assoc, 55-60, res. proj. dir, 55-64, asst. prof. family study in psychiat, 60-66, dir. human resources prog, off. of pres, 64-66, prof. & dir. human resources, FACULTY FINE ARTS, 66-67, 1907 FOUND. PROF. URBANISM & HUMAN RESOURCES, 67- Clin. psychologist, Vet. Admin. Ment. Hyg. Clin, 50-53, asst. chief clin. psychologist, 53-57; chief psychologist, child guid. clin, Lankenau Hosp, Phila, 57-59, chief res. psychologist, 59- assoc. dir. community develop, Phila. Coun. Advancement, 62-64. Consult, Friends Select Sch, 54-; Phila. Psychiat. Hosp, 57; bur. econ. security, U.S. Dept. Labor, 66-; U.S. Dept. Transportation, 67- Mem. planning conf, White House Conf. Civil Rights, 66. U.S.A., 43-46. AAAS; Psychol. Asn; Am. Acad. Polit. & Social Sci. Social and human aspects of urban planning; urban education; community development. Publ: Co-auth, Success in family living, Asn. Press, 65; Psychotherapy for the whole family, Springer, 65. Address: Human Resources Center, University of Pennsylvania, 3810 Walnut St, Philadelphia, Pa. 19104.
- MITCHELL, DR. IRENE E, World Civilization, Soc. Sci, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MITCHELL, PROF. I(RVING) E(UGENE), b. Lynn, Mass, June 18, 12. SOCIOLOGY. A.B. Gordon Col, 43; A.M. New Hampshire, 44; Chicago, 44; Ph.D. Boston, 57. PROF. sociol. & econ, Lynchburg Col, 46-49; SOCIOL, DENISON, 49- Instr. univ. exten, Virginia, 47-49; summer, vis. prof, Alberta, 61, Indiana Univ. Pa, 63. Sociol. Asn; Econ. Asn. Race relations; criminology; human relations in industry. Publ: Study of the maturity of delinquent and nondelinquent adolescents. Address: 8 Samson Place, P.O. Box 402, Granville, Ohio 43023.
- MITCHELL, DR. JAMES C(URTIS), Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.
- MITCHELL, JAMES M(ATLACK), b. Washington, D.C, Jan. 3, 10; m. 36; c. 2. PUBLIC ADMINISTRATION. A.M. George Washington, 33. Position classifier, Farm Credit Admin, 34, asst. personnel officer, Nebr, 34-36; personnel consult, Pub. Admin. Serv, Chicago, Ill, 36-37; mgr, Munic. Personnel Serv, Mich, 37-39; asst. dir, Civil Serv. Assembly U.S. & Can, Ill, 39, exec. dir, 40-48; cmnr, U.S. Civil Serv. Cmn, D.C, 48-53; dep. asst. secy, manpower & personnel, U.S. Dept. Defense, 53-55; assoc. dir, Nat. Sci. Found, 55-59; dir. conf. prog, BROOKINGS INST, 59-61, DIR. ADV. STUDY PROG, 61- Lectr, Michigan, 37-39; Northwestern; Chicago; univ. prof, Delaware, 67-68. Mem, sci. adv. cmt, Pac. Sci. Center, Seattle, 60-; President's Task Force on Personnel for State & Local Govts, 67. Treas. World Fedn. Ment. Health, 64-65. U.S.C.G, 43-45, Comdr. AAAS; Soc. Pub. Admin.(pres, 52); Pub. Personnel Asn. Address: 5410 Connecticut Ave. N.W, Washington, D.C. 20015.
- MITCHELL, PROF. JAMES V(INCENT), JR, b. Chicago, Ill, Oct. 20, 25; m. 50; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. Chicago, 48, scholar. & M.A. 50, Walgreen fel, 51-52, Ph.D. 53. Dir. testing, Quincy Youth Develop. Cmn, Ill, 53-54; from asst. to assoc. prof. ed. psychol, Miami (Ohio), 54-57; asst. prof, Purdue, 57-59; assoc. prof, Texas, 59-62; PROF. ED. ROCHES-TER, 62-, ASSOC. DEAN GRAD. STUDIES, COL. ED, 67- U.S. Off. Ed. res. grant, 65-67. U.S.A., 44-45. Fel. Psychol. Asn; Ed. Res. Asn; Nat. Coun. Measurement in Ed. Personality measurement, structure and dynamics; learning and problem-solving; organization of cognitive functions; teacher characteristics and classroom behavior; assessment of instructional effectiveness; determinants of personality and adjustment; concept-formation. Publ: Analysis of the factorial dimensions of the achievement motivation construct & Goal-setting behavior as a function of self-acceptance over and underachievement, and related personality variables, J. Ed. Psychol; Personality characteristics associated with motives for entering teaching, Phi Delta Kappan, XLVI: 529-532. Address: College of Education, University of Rochester, Rochester, N.Y. 14627.
- MITCHELL, PROF. JOHN M(cCLELLAN), b. New York, N.Y, May 20, 13; m. 42; c. 3. ECONOMICS. A.B. Columbia, 41, A.M. 42. Econ. analyst, Bd. Econ. Warfare, D.C, 42-43; Smaller War Plants Corp, 43; U.S. Dept. State, 44-46; Fed. Reserve Bank, Ga, 47; asst. prof. econ, Tulane, 47-49; Fulbright scholar, 49-50; consult, Ebasco Serv, Inc, 51-60; economic consult, 60-62; ASST. PROF. ECON, CONNECTICUT, 62- Econ. Asn; Statist. Asn; Polit. Econ. Soc. France. International and applied economics; economic forecasting. Publ: French exports to the United States; Feasibility of establishing a vacuum fumigation plant in New Orleans; Economics in the service of Spanish business and industry, Spanish Mgt. Asn. Bull. Address: Dept. of Economics, University of Connecticut, Scofieldtown Rd, Stamford, Conn. 06903.
- MITCHELL, DR. JOYCE McLEOD, b. South San Francisco; m. 60. POLITICAL SCIENCE. A.B. Pomona Col, 52; M.A. California, Los Angeles, 54, Am. Polit. Sci. Asn. fel, Berkeley, 57-58, Am. Asn. Univ. Women, fel, 59-60, Ph.D.(polit. sci), 64. Res. asst. California, Los Angeles, 52-56, acting instr, 56-57; lectr, Brooklyn Col, 59-60; instr. POLIT. SCI, OREGON, 60-64, asst. prof, 64-68, ASSOC. PROF, 68- Vis. lectr, California, Berkeley & Los Angeles, 67; participant, measurement of soc. change proj, Russell Sage Found. Mem, Ad Hoc Univ. Cmt. Ed. of Women; univ. cmt. fed. aid & acad. freedom, Teacher's Ed. Cmt; Job Corps Res. Cmt, Univ. Oregon. Polit. Sci. Asn. Legislative decision-making; public policy; political systems and political behavior. Publ: Co-auth, Political analytics, Rand, (in press). Address: Dept. of Political Science, University of Oregon, Eugene, Ore. 97403.
- MITCHELL, LLOYD V(ERNON), Meteorol, Geog, see 11th ed, Suppl. IV to Phys. & Biol. Vols.
- MITCHELL, DR. LONNIE EDWARD, b. McBee, S.C, Sept. 11, 26; m. 59; c. 2. PSYCHOLOGY. A.B. Lincoln (Pa), 50; M.A. American Univ, 53, Ph.D. 58. Instr. psychol, Tuskegee Inst, 54; Morgan State Col, 54-55, 57-58; staff psychologist, Vet. Admin, 58-63; res. assoc, HOWARD, 63-64, asst. dir. ment. health youth center, INST. YOUTH STUDIES, 64-67, PROJ. DIR. BAKER'S DOZEN COMMUNITY MENT. HEALTH CENTER FOR ADOLESCENTS, 65- Dep. dir, D.C. Pub. Health Dept, Area B, Ment. Health Center, 67. Consult, Alexandria Bd. Ed, Va, 66-; Univ. Res. Corp, Wash, D.C, 67-; bur. works prog, U.S. Labor Dept, 67- C.Eng, 45-46, Sgt. Psychol. Asn. Efficacy of tranquilizing drugs; psychological evaluation and assessment. Publ: Aspiration levels of Negro delinquent, dependent and public school boys, J. Negro Ed; Effects of chlorpromazine on GSR conditioning, J. Abnorm. & Soc. Psychol; Psychological response to chlorpromazine in a group of psychiatric patients, J. Clin. Psychol. Address: 4320 21st St. N.E, Washington, D.C. 20001.
- MITCHELL, PROF. MATTHEW C(ARGILL), Polit. Sci, see 10th ed, Soc. & Behav. Vols.
- MITCHELL, DR. MILDRED B(ESSIE), b. Rockford, Ill, Dec. 25, 03; m. 47. CLINICAL PSYCHOLOGY. B.A. Rockford Col, 24; M.A. Radcliffe Col, 27; fel, Yale, 30-31, Ph.D.(psychol), 31. Prof. ed. & math, Lees Col, 27-28; psychologist, George Sch, Pa, 31-33; chief psychologist, N.H. State Hosp, 33-36; voc. dir, U.S. Employ. Serv, N.H, 36; Psychologist, Bellevue Hosp, New York 37; chief psychologist, Psychopath. Hosp, Iowa, 38-39; psychologist, Mt. Pleasant & Independence State Hosps, 39-41; clin. psychologist, State Bur. Psychol. Serv, Minn, 41-42; voc. appraiser, Vet. Guid. Center, City Col. New York, 45-46; psychologist, Domestic Relts. Coun. N.Y, 46-47; chief psychologist, Vet. Admin. Hyg. Clin, Ft. Snelling, Minn, 47-51, Vet. Admin. Center, Dayton, Ohio, 51-58; clin. psychologist, aerospace med. lab, Wright-Patterson Air Force Base, 58-60, res. psychologist, bionics sect, aeronaut. systs. div, 60-65; assoc. prof. psychol, Tampa, 65-67; LECTR. BEHAV. SCI, SOUTH FLORIDA, 67- Lectr, Cent. State Col, 60-61; psychologist, Serenity Haven, 61-65. Dipl. Am. Bd. Exam. Prfnl. Psychol. Distinguished tech. achievement award, U.S. Air Force, 62 & 64. U.S.N.R, 42-45, Res. 48-, Lt. Comdr. Fel. AAAS; fel. Psychol. Asn; fel. Int. Coun. Psychol.(secy, 48-50). Projective techniques; psychotherapy vocational guidance; human isolation; selection pilots for space flight. Publ: Time disorientation and estimation in isolation; Retroactive inhibition and hypnosis, J. Gen. Psychol; Trends toward multiple authorship in scientific publications, J. Psychol. Address: 1030 S. Sterling Ave, Tampa, Fla. 33609.
- MITCHELL, DR. R(ICHARD) T(HOMPSON), Exp. Psychol, see 10th ed, Soc. & Behav. Vols.
- MITCHELL, PROF. ROBERT I, b. Dayton, Ohio, May 7, 18; m. 46; c. 3. INDUSTRIAL ENGINEERING. B.S. Cincinnati, 42; Dayton, 46; M.A. Ball State, 52; Chicago, 51-52. Indust. engr, Frigidaire Div, Gen. Motors Corp, Ohio, 36-42; instr. indust. eng, Purdue, 46-49; asst. dir. eve. studies, Dayton, 49-51; supvr. training, Inland Steel Co, Ind, 51-52; dir. personnel & indust. eng, Duriron Co, 52-58; ASSOC. PROF. & CHMN. DEPT. INDUST. ENG, DAYTON, 58- Lectr, Univ. Houston; lectr. & consult, sch. logistics, U.S. Air Force Inst. Tech, Ohio State, 58-; consult, U.S. Agency Int. Develop. India Polytech. Proj, 64-66; Nat. Sci. Found, India, 68. U.S.A., 42-46, Capt. Soc. Eng. Ed; Soc. Adv. Mgt; Inst. Indust. Eng. Management of technical personnel, development, design and analysis of complex and highly integrated systems; influence of automated information systems on fundamental concepts of management; regional development through organization on industrial, educational and governmental consortia; industry-educational-development councils. Publ: Co-auth, The effects of automated data processing on naval command structures. Address: Dept. of Industrial Engineering, University of Dayton, Dayton, Ohio 45409.
- MITCHELL, DR. ROWLAND L(IPPINCOTT), JR, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MITCHELL, DEAN STEPHEN ROBERT, b. Alliance, Ohio, Jan. 21, 31; m. 48; c. 3. CONSTITUTIONAL LAW. B.A. Western Michigan, 50, fel, 56-57; M.S. Wisconsin, 57, Ph.D. 61. Asst. polit. sci, Wisconsin, 57-59; instr, Washington State, 59-61, asst. prof, 61-64, assoc. prof, 64-66; Calgary, 66-67; DEAN, WISCONSIN, KENOSHA, 67- Nat. Guard, 49-57, 2nd Lt. Polit. Sci. Asn. American constitutional law, especially civil liberties. Publ: Separation

tion of church and state, J. Church & State, 64; Judicial self-restraint, Wash. Law Rev, 64; Washington County officials, Wash. State Univ, 67. Address: University of Wisconsin, Kenosha, Wis. 53140.

MITCHELL, WALTER JR, b. Union City, Pa, Sept. 3, 02. MARKETING. B.S. Yale, 25. Secy. to U.S. Senator Hiram S. Bingham, D.C. 25-26; advert. mgr, Murray Body Corp, 27-29; bus. analyst, U.S. Dept. Commerce, 29-34; exec. mgr, Furniture Code Authority, 34-35; dir. bus. surv, Dun & Bradstreet, Inc, 35-44; dir. mkt. & res. serv, 44-45, asst. to pres, 45-46, assoc. ed, Rev, 46; v-pres, Irving Trust Co, 46-47; managing dir, Controllers Inst. & Controllship Found, Inc, 48-53; consult. mkt, 53-56; assoc. dir. mgt. develop. prog, Case, 56-59; exec. dir, Soc. Adv. Mgt, 60-63; V-PRES, U.S. ECON. CORP, 63- Resident fel, Brookings Inst, 29-31; lectr. & leader, seminars, various asns, 60-67. Distribution economist, bur. civil affairs, Allied Force Hq, Algiers, 43. Mkt. Asn; Statist. Asn; Asn. Bus. Econ. Business trends; ration analysis; governmental relations. Publ: How to use your trade association; Standard ratios for retailing; co-auth, Use of live case histories in management, J. Acad. Mgt, 64. Address: U.S. Economics Corp, 420 Lexington Ave, New York, N.Y. 10017.

MITCHELL, WALTER G (EORGE), b. Washington, D.C. Jan. 5, 21. MARKETING. B.S. U.S. Mil. Acad, 43; M.B.A., Columbia, 53. Bronfman fel, grad. sch. bus, Columbia, 54-55; mkt. policy planner, Gen. Elec. Co, 55-56; Royal McBee Corp, 56-58; corp. dir. mkt. & adv. res, Fuller & Smith & Ross, Inc, 58-60; consult. mkt, 60-63; SUPVR. MKT. & ADV. RES, MERCK SHARP & DOHME DIV, 63- Guest lectr, Columbia, 55- U.S.A., 43-50. Mkt. Asn. Behavioral and perceptual sciences content analysis applications for marketing planning. Publ: Correlates explaining brand purchasing behavior; How the mood of the medium affects an ad's efficiency, Media-Scope, 8/65; Brand reality-testing by consumers: the attitudinal prelude to changing shares-of-market, 68. Address: Merck & Co, Inc, West Point, Pa. 19486.

MITCHELL, PROF. WILFRED M (ANLOVE), b. Calif, July 26, 07; m. 35; c. 2. PSYCHOLOGY. B.A. Pomona Col, 35; Ph.D. (philos, psychol), Yale, 40. Instr. psychol, Bakersfield Col, 40-42; assoc. prof, Fisk, 42-46; PROF. PSYCHOL, UNIV. OF THE PACIFIC, 46- Fel, Boston City Hosp. & Elgin State Hosp, 44, 45; pres, Med. Arts Prod, 50- Psychol. Asn; Philos. Asn. Dynamics of child growth and adjustment; educational movies in psychology and medicine; psychotherapy. Publ: Education for childbirth; Molly grows up; As boys grow. Address: Dept. of Psychology, University of the Pacific, Stockton, Calif. 95204.

MITCHELL, DR. WILLIAM A (LEXANDER), b. Clemson, S.C. May 29, 17; m. 50. POLITICAL SCIENCE. B.S. Clemson Col, 38; A.M. North Carolina, 39; fel, Duke, 39-41; A.M. Princeton, 42, Rosenwald fel, 46-47, Ph.D. 48. Instr, Princeton, 41-42, 46-47; asst. prof, Virginia, 47-49; assoc. prof. govt, Massachusetts, 49-52; MEM. STAFF, Cent. Intel. Agency, 52-63; BUR. BUDGET, EXEC. OFF. PRESIDENT, 63- Consult, Va, 47-49; Va. State Cm. Revenues & Expenditures, 48-49; Mass. Gov. Cmt. State Orgn, 50. U.S.A., 42-46, Maj. Public administration; intelligence activities. Address: 6202 Winston Dr, Washington, D.C. 20034.

MITCHELL, DR. WILLIAM EARL, b. Norwood, Ohio, Dec. 16, 36; m. 57; c. 3. ECONOMICS. B.S. Cincinnati, 60; Ph.D. (econ), Duke, 67. ASST. PROF. ECON, MISSOURI, ST. LOUIS, 65- U.S.N. 54-57. Economics of state and local debt limitations and costs of borrowing. Publ: The effectiveness of debt limitations on state and local government borrowing, N.Y. Univ. 67. Address: Dept. of Economics, University of Missouri at St. Louis, St. Louis, Mo. 63130.

MITCHELL, PROF. WILLIAM EDWARD, b. Wichita, Kans, Jan. 8, 27; m. 59; c. 2. ANTHROPOLOGY. B.A. Wichita State, 50; M.A., Columbia, 54 & 57. Res. asst. cultural anthrop, med. col, Cornell, 55-56; res. assoc. anthrop, Russell Sage Found. & Jewish Family Serv. N.Y., 56-62; proj. dir, Nat. Inst. Ment. Health grant, Hope Found, Montpelier, Vt, 62-65; ASST. PROF. SOC. PSYCHIAT. & ANTHROP, COL. MED, VERMONT, 65- Lectr, Cooper Univ, 61. U.S.N. 45-46. Fel. Anthropol. Asn; fel. Soc. Appl. Anthropol; assoc. fel. Philos. Asn; for. fel, Royal Anthropol. Inst. Gt. Brit. & Ireland. Kinship and the family; medical anthropology. Publ: Co-auth, Kinship and casework, Russell Sage, 67; auth, Amicotherapy: theoretical perspectives and an example of practice, Community Ment. Health J, winter 66; The baby disturbers: sexual behavior in a childhood contraceptive, Psychiatry, 11/66. Address: Dept. of Psychiatry, University of Vermont, College of Medicine, Burlington, Vt. 05401.

MITNICK, DR. LEONARD, b. Philadelphia, Pa, Jan. 25, 30; m. 58; c. 3. PSYCHOLOGY. B.A. Temple, 51, M.A., 53; Ph.D. (psychol), Maryland, 56. Res. scientist, HumRRO, George Washington, 57-59; lectr. psychol, Maryland, 59-60; res. psychologist, U.S. Naval Personnel Res. Activity, 60-61; training develop. analyst, info. syst. oper, Gen. Elec. Co, 61-64; SCIENTIST ADMINSTR, NAT. INST. MENT. HEALTH, 65- U.S.A., 55-57. AAAS; Psychol. Asn. Morale and motivation; information storage and retrieval; training; developmental psychology. Publ: Influencing ethnocentrism in small discussion groups through a film communication; Electroencephalogram and sleep deprivation; Effect of additional spatial references on display control efficiency. Address: 713 Downs Dr, Silver Spring, Md. 20904.

MITRA, DR. S (AMARENDRA NATH), b. Calcutta, India, Mar. 1, 33; m. 57; c. 2. SOCIOLOGY. B.Sc. Presidency Col, Calcutta, 50; M.Sc. Calcutta, 52; Pop. Coun. fel, Chicago, 58-61, Ph.D. (sociol), 61. Statistician, Indian Statist. Inst, 53-55; statist. officer, Ministry Rehab, Govt. India, 55-58; coun. fel. statistician, Indian Statist. Inst, 61-62; reader SOCIOL, Kalyani Agr. Univ, 62-63; vis. asst. prof, Emory, 63-66; reader, Kalyani Agr. Univ, 66-67; ASSOC. PROF. EMORY, 67- Lectr. statist, City Col, Calcutta, 55-58. Summer consult, pop. br, UN, New York, 63; dept. maternal & child health, Hopkins, 64; Off. Econ. Opportunity, Wash, D.C. 65; center res. soc. change, Emory, 67. Eugenics Soc; Int. Union Sci. Study Pop. Mathematical statistics; survey research methods; population studies in general areas of fertility, mortality, manpower and population projection; construction of models of fertility; mortality and population concentration by size-classes of places of residence. Publ: Total length of life and its relation with the parameters of

stable population, Sankhyā, Indian J. Statist, 65; Changing pattern of population in Indian cities, 65 & Child-bearing pattern of American women, 66, Eugenics Quart. Address: Dept. of Sociology, Emory University, Atlanta, Ga. 30322.

MITTELSTAEDT, DR. ROBERT ARTHUR, b. Minneapolis, Minn, July 19, 32; m. 58; c. 2. MARKETING. B.S. South Dakota, 58; M.A. Arizona, 60; Kaiser Aluminum fel, & Ph.D. (mkt), Minnesota, 66. Instr. MKT, South Dakota, 59-61, asst. prof, 61-66, ASSOC. PROF, 67-68; MISSOURI, COLUMBIA, 68- U.S.A., 53-56. Mkt. Asn. The psychology of consumer behavior; the informational needs of consumers and their problems; computer-based marketing information systems. Publ: Co-auth, Marketing research, Free Press, (in press). Address: Dept. of Marketing, School of Business & Public Administration, University of Missouri, Columbia, Mo. 65201.

MITTLEBEELER, PROF. EMMET V (AUGHN), b. Louisville, Ky, Aug. 8, 15. POLITICAL SCIENCE. B.A. Louisville, 36, LL.B. 39; M.A. Chicago, 50, Ph.D. 51. Asst. attorney gen, Ky, 45-48; lectr, Louisville, 48, 51-53; admin. asst. to Congressman J.M. Robison, Jr, 53-54; asst. prof. GOVT. & PUB. ADMIN, AMERICAN UNIV, 54-57, assoc. prof, 57-61, PROF, 61- Fulbright-Hays vis. prof, Univ. Col. Rhodesia & Nyasaland, 62-63. Consult, Pub. Admin. Serv, Ill, 51; cmt. govt. ops, House of Rep, 56; Admin. Off. U.S. Courts, 64. Intel. C. U.S.A.A.F, 42-45. Polit. Sci. Asn; African Studies Asn; Int. African Law Asn. Governments of Europe and Africa; intergovernmental relations in the United States; American constitutional law; state and local government; history of colonial systems. Publ: Contrib. ed, Dictionary of political science, Philos. Library, 64; auth, The Bryan-Kellogg inquiry treaties: a re-examination, West. Polit. Quart, 6/62; Race and jury in Southern Africa, Howard Law J, fall 67. Address: School of Government & Public Administration, American University, 1905 F St. N.W., Washington, D.C. 20006.

MITTLEMAN, DR. EARL N (IEL), b. New York, N.Y., June 8, 28; m. 57; c. 1. POLITICAL SCIENCE. B.A. N.Y. Univ, 46, M.A., 47, Ph.D. (regional studies), 54. Info. analyst, Radio Free Europe, 55-56, sr. info. analyst, 56-60, policy asst, 60-61; PUBS. WRITER, U.S. INFO. AGENCY, 61- Instr, N.Y. Univ, 54-56. Polit. Sci. Asn; Hist. Asn. Politics and government of Eastern Europe; political theory. Publ: Curzon Line; Nationality problem in Yugoslavia, a survey of developments, 1921-1953. Address: 2502 Kitmore Lane, Bowie, Md. 20715.

MITTMAN, PROF. ARTHUR, b. Muscatine, Iowa, Sept. 9, 22; m. 45; c. 3. MATHEMATICAL STATISTICS. B.A. Iowa, 47, M.S., 50, fel, 56-57, Ph.D. (ed, math), 58. Teacher, high sch, Iowa, 47-49; asst. math, Iowa, 49-51, 55-56; teacher, high sch, Ill, 51-55; asst. dir. exam. serv, Iowa, 57-58, asst. prof. ed. & dir. exam. serv, 58-63; assoc. prof. ED, OREGON, 63-66, PROF, 66- U.S.A.A.F, 42-46, 1st Lt. Psychomet. Soc; Inst. Math. Statist; Statist. Asn; Jd. Res. Asn. Application of measurement and statistics in education and related behavioral sciences. Address: School of Education, University of Oregon, Eugene, Ore. 97403.

MITTRA, DR. SID, b. Banaras, India, May 13, 30; m. 61. ECONOMIC DEVELOPMENT. M.Econ, Agra, 51; assoc. Bookkeepers' Inst. London, 50; assoc. Indian Inst. Bankers, 54; Ph.D. (econ, math), Florida, 62. Econ. asst, dept. res. & statist, Reserve Bank India, Bombay, 51-57; asst. prof. econ, Stetson, 60-62; Detroit, 62-63; sr. consult, Venezuelan Govt, 63-65; consult, UN, Bangkok, 65; asst. prof. ECON, Detroit, 65-66; ASSOC. PROF, OAKLAND, 66- Instr, Florida, 61-62; Soc. Sci. Res. Coun. comput. fel, California, Berkeley, 66; Ford Found. summer res. fel, Virginia, 62. Ed, Econ. Affairs, 66- Econ. Asn. Banking; computer simulation; growth; international banking; mathematical economics. Publ: Co-auth, Dynamic models for simulating the Venezuelan economy, Univ. Venezuela & U.S. Agency Int. Develop, 66; auth, A new horizon in central banking, Taplinger, 67; Simultaneous and development planning, UN, 67. Address: Dept. of Economics, Oakland University, Rochester, Mich. 48063.

MITZEL, PROF. HAROLD E (EGENE), b. July 27, 22; m. 46; c. 2. PSYCHOLOGY. B.A. Wichita, 43; fel, Minnesota, 48-52, M.A., 50, Ph.D. (ed, psychol), 52. Dir. res. & eval, div. teacher ed, City Univ. N.Y., 55-62; PROF. PSYCHOL. & ASST. DEAN, PA. STATE, 62- V-pres, Appalachia Ed. Lab, 66- U.S.A., 43-46. Psychol. Asn; Statist. Asn. Teacher education; computer-assisted instruction. Publ: Co-auth, Systematic observation in classrooms, In: Handbook of research on teaching, Rand McNally, 63; Development of attitudinal dimensions from teachers' drawings & Assessing social emotional climate in the classroom by Withall's technique, Psychol. Monogr. Address: 277 Chambers Bldg, Pennsylvania State University, University Park, Pa. 16802.

MIYAKAWA, PROF. T (ETSUO) SCOTT, b. Los Angeles, Calif, Nov. 23, 06. SOCIOLOGY. M.E. Cornell, 31; Ph.D. (sociol), Columbia, 51. For. Trade Res, 32-41; East. rep, Japanese Am. Citizens League, 42-43; instr. physics, Missouri, 43-44; asst. to counsr. relig. ed, Michigan, 44-46; instr. SOCIOLOG, BOSTON, 46-50, asst. prof, 50-55, assoc. prof, 55-67, PROF, 67- Faculty fel, Ford Found. Fund Adv. Ed, 51-52; Fulbright vis. prof, Doshisha Univ, Japan, 53-54; vis. sr. faculty mem, Centre Adv. Study & Training, Ceylon, 57-58; vis. assoc. prof. & assoc. res. historian, California, Los Angeles, 62-65, dir. Japanese Am. Res. Proj, 62- Sociol. Asn; Asn. Asian Studies; Soc. Sci. Study Relig. Comparative cultures; American social institutions; industrial sociology; interdisciplinary study of the background, migration, acculturation and mobility of the Japanese in the United States and Japanese Americans. Publ: Protestants and pioneers: individualism and conformity on the American frontier, Univ. Chicago, 64. Address: Dept. of Sociology, Boston University, Boston, Mass. 02215.

MIYAMOTO, PROF. S (HOTARO) FRANK, b. Seattle, Wash, July 29, 12. SOCIOLOGY, SOCIAL PSYCHOLOGY. A.B. Washington (Seattle), 36, A.M., 38; Soc. Sci. Res. Coun. fel, 42-43; Ph.D. Chicago, 50. Assoc. Washington (Seattle), 41-42; asst. evacuation-resettlement study, California, 42-45; asst. prof. SOCIOL, WASHINGTON (SEATTLE), 45-56, assoc. prof, 56-63, PROF, 63- CHMN. DEPT, 66- Mem. behav. sci. study sect, Nat. Insts. Health, 66-67, soc. sci. rev. cmt, Nat. Inst. Ment. Health, 67- Sociol. Asn. Processes

- in collective behavior adjustments; social solidarity among the Japanese in Seattle; role-taking and self-conception. Address: Dept. of Sociology, University of Washington, Seattle, Wash. 98105.
- MIYARES, DR. MARCELINO, b. Havana, Cuba, Mar. 23, 37; m. 63; c. 3. POLITICAL SCIENCE. Dr. Law, Villanueva, 60; M.A. Georgetown, 66; Northwestern, 68-68. Instr. POLIT. SCI. ST. PROCOPIUS COL. 64-66, asst. prof. 66-67, HEAD DEPT. 67-, ASSOC. PROF. 68- Res. analyst, int. comp. polit. parties proj, Northwestern, 67- Am. Polit. Sci. Assn; Int. Polit. Sci. Assn. Organizational behavior; political parties as organizations; theory building; international behavior, especially politico-military strategies. Publ: Auth, The state of the literature on political parties in the Dominican Republic, co-auth, The state of the literature on political parties in Venezuela: bibliographical analysis and computerized bibliography & The state of the literature on political parties in Hungary: bibliographical analysis and computerized bibliography, Int. Comp. Polit. Parties Proj, Northwestern, 68. Address: Dept. of Political Science, St. Procopius College, Lisle, Ill. 60532.
- MIYAUCHI, DR. DKON YOSHIHIDE, East Asian Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MIZE, DR. JOE H, Comput. Sci, Indust. Eng, see 11th ed, Phys. & Biol. Vols.
- MIZRUCHI, PROF. EPHRAIM HAROLD, b. Chicago, Ill, Mar. 24, 26; m. 52; c. 3. SOCIOLOGY. B.A. Roosevelt, 51; scholar, Yale, 54-55, M.A. 55; Danforth fel, Purdue, 60-61, Ph.D.(sociol), 61. From asst. prof. to assoc. prof. SOCIOL, State Univ. N.Y. Col. Cortland, 55-64; assoc. prof. SYRACUSE, 64-67, PROF. 67- Nat. Inst. Ment. Health res. grant, 63-64. U.S.A.A.F. 44-46, Sgt. AAAS; Sociol. Assn; Soc. Study Social Probs. Sociological theory; deviant behavior; problem drinking of alcohol; social classes; values; alienation; anomie. Publ: Success and opportunity, Macmillan, 64; ed. & auth, The substance of sociology, Appleton, 67; ed. & co-auth, Urbanism, urbanization and change, Addison-Wesley, 68. Address: Dept. of Sociology, Maxwell Graduate School, Syracuse University, Syracuse, N.Y. 13210.
- MIZUKI, DR. MIKISO, b. Hiroshima, Japan, Mar. 20, 29; m. 64; c. 1. STATISTICS, APPLIED MATHEMATICS. B.A. Hiroshima, 56; M.S. Purdue, 58; Ph.D.(statist), Harvard, 66. Statistician, Atomic Bomb Casualty Cmn, 47-50, supvr. biomet. appln. in biomed, 51-56; res. mathematician, Olivetti Elec. Res. Lab, 60-63; res. asst. dept. statist, Harvard, 64-65; mem. tech. staff, guided missiles range div, Pan. Am. World Airways, Inc, 65-67; dir. metall. res. Magnetic Propulsion Sys, Inc, 67; MATHEMATICIAN, JOINT TASK FORCE TWO, SANDIA BASE, 67- Inst. Math. Statist. Application and generalization of theory of discrete parameter Markov chain; decision under uncertainty using mixing or partition; time-series analysis; mathematical modelling of war engagements. Publ: Analysis of subensembles of M/G/1 queueing sequences, Israel J. Math, 12/66. Address: Joint Task Force Two, Sandia Base, Albuquerque, N. Mex. 87115.
- MJOSUND, DR. ARNE, Indust. Eng, see 11th ed, Suppl. IV to Phys. & Biol. Vols.
- MLADEK, DR. JAN VIKTOR, b. Bochnia, Poland, Dec. 7, 11; m. 60. ECONOMICIS, LAW. Dr. Law & Polit. Sci, Masaryk Univ, Czech, 36. Mem. legal & affiliation dept, Czech. Armament Concern, 38-39; head currency dept, Czech. Govt. in Exile, Eng, 42-45; Currency & Banking Dept, Czech, 45-46; exec. dir, INT. MONETARY FUND, 46-48, dep. dir. opers. dept, European dept, 48-53, dir. European off, 53-61, acting dir. African dept, 61-64, DIR. CENT. BANKING SERV, 64- Cmn. & dir, Nat. Bank Czech, 45-47. Czech. Army, 39-42. Econ. Asn; Polit. Econ. Soc. France. International finance; money; economic development; central banking. Publ: International financial institutions, Czech. Ministry Finance, 46; Evolution of African currencies, 8/64 & Currency unions, 6/66, Finance & Develop. Address: International Monetary Fund, 19th & H St. N.W., Washington, D.C. 20431.
- MOAK, LENNOX L(EE), b. Bogue Chitto, Miss, Dec. 14, 12; m. 38; c. 4. POLITICAL SCIENCE. B.S. Southwest Tex. State Col, 32; M.A. Texas, 40; Pennsylvania, 49-50. Asst. exec. dir, Bur. Govt. Res, New Orleans, 38-42, dir, 42-48; Bur. Munic. Res, Phila, 49-51; Phila. Div. Finance, 52-54; DIR, PA. ECON. LEAGUE, 54- Lectr, Tulane, 42-49; Wharton Sch, Pennsylvania, 63-, sch. fine arts, 66- Spec. budget officer, La, 40; dir. personnel, City of New Orleans, 42. Consult, 47-; Center Study Econ. Planning, Rome, Italy, 63; City of Toronto, 67; Regional Planning Cmn, Baltimore, Md, 67- Soc. Pub. Admin; Govt. Res. Asn.(pres, 64-66); Polit. Sci. Asn. Public finance and administration; local government. Publ: Co-auth, A manual of suggested practice for the preparation, consideration, and execution of operating budgets in local governments, 64, A manual of suggested practice of the preparation and adoption of capital programs and capital budgets by local governments, 64 & A manual for budgeting for smaller governmental units, 65, Munic. Finance Officers Asn. Address: Pennsylvania Economic League, 1343 Arch St, Philadelphia, Pa. 19107.
- MOAK, DR. SAH KUHN, b. Korea, Dec. 15, 29; m. 45. ECONOMICS. B.S. Colorado State, 59; M.S. Kentucky, 62; Ph.D.(econ), N.C. State, 66. Instr. ECON, N.C. State, 65-66; ASST. PROF, Campbell Col, 66-67; RICHMOND, 67- Korean Army, 50-56, Capt. Econ. Asn; Agr. Econ. Asn. Technological change and the rate of adoption; economic growth of developing nations; monetary and fiscal policies. Address: Dept. of Economics, University College, University of Richmond, 7 W. Franklin St, Richmond, Va. 23220.
- MOAN, PROF. O(BERT) B(ENJAMIN), b. Renner, S.Dak, June 25, 17; m. 43; c. 2. MATHEMATICAL STATISTICS. B.S. Purdue, 39, Ph.D.(math. statist), 53; M.S. Minnesota, 47. Instr. statist. lab, Purdue, 50-51; qual. control coordinator, Julius Hyman & Co, Colo, 51-52; appl. sci. rep. comput, Int. Bus. Mach. Corp, Ill, 52-53; staff engr, Hughes Aircraft Co, Calif, 53-54, 57-58; asst. reliability eng, Lockheed Missiles & Space Co, Sunnyvale, 54-57, 58-63; PROF. ENG, ARIZONA STATE, 63- Lectr, California, Los Angeles, 53-58. U.S.N., 43-46, Lt. Math. Asn; Statist. Asn; Soc. Indust. & Appl. Math; Soc. Qual. Control. Statistics; reliability and quality control. Publ: Contrib, Reliability handbook, McGraw, 66; auth, Reliability of redundant systems & Reliability of series—parallel combinations, Control Eng. Address: Engineering Center, Arizona State University, Tempe, Ariz. 85281.
- MOATS, ROBERT H(UGHS), b. Drayton, N.Dak, Jan. 14, 14; m. 36; c. 3. STATISTICS. B.S. Illinois, 36. Agr. statistician, U.S. DEPT. AGR, 36-51, head prices received sect, agr. mkt. serv, 51-56, chief livestock & poultry statist. br, agr. estimates div, STATIST. REPORTING SERV, 56-62, AGR. STATISTICIAN IN CHARGE, ILL. STATE STATIST. OFF. & SUPT, DIV. AGR. STATIST, ILL. DEPT. AGR, 62- Statist. Asn; Agr. Econ. Asn. Agri-cultural, livestock and poultry statistics; especially inventories, production, marketings and slaughter. Address: 1524 Whittier, Springfield, Ill. 62704.
- MOBERG, PROF. DAVID O(CHAR), b. Montevideo, Minn, Feb. 13, 22; m. 46; c. 4. SOCIOLOGY. B.A. Seattle Pac. Col, 47; M.A. Washington (Seattle), 49; Ph.D.(sociol), Minnesota, 52. Instr. sociol, Bethel Col.(Minn), 49-52, asst. prof, 52-54, assoc. prof, 54-59, prof, 59-68, chmn. dept. soc. sci, 52-68; PROF. SOCIOL. & CHMN. DEPT. SOCIOL. & ANTHROP, MARQUETTE, 68- Fulbright lectr, Groningen, 57-58; Münster, 64-65; res. analyst, corrections voc. serv. proj, Minneapolis Rehab. Center, 66-67. Participant, int. seminar family res, UNESCO, 57; mem. Int. Conf. Social. Relig, 66-; Ministry Studies Bd. Assocs, 67- U.S.A. 42-46. Sociol. Asn; Soc. Sci. Study Relig; Am. Sci. Affiliation; Geront. Soc. Sociology of religion; social gerontology; general sociology. Publ: The church as a social institution; co-auth, The church and the older person; contrib, Religious pluralism and social structure, Westdeutscher Verlag, W.Germany, 65. Address: Dept. of Sociology & Anthropology, Marquette University, 627 N. 13th St, Milwaukee, Wis. 53233.
- MOBERLY, PROF. RUSSELL L(OUIS), b. Sioux Falls, S.Dak, Dec. 15, 09; m. 31; c. 4. BUSINESS ADMINISTRATION & MANAGEMENT. Mus.B. Wisconsin, 31, A.M., 34, Ph.D., 39. Prof. commerce & dir. indust. mgt. insts, Wisconsin, 44-54; prof. bus. admin. & dir. mgt. center, Marquette, 54-59; PROF. BUS. ADMIN, IDAHO, 68-; INDUST. CONSULT, 35- Lectr, Univs, 59- Consult, off. chief ord, U.S. Dept. Defense, 52-59. Soc. Adv. Mgt. (v.pres); Soc. Personnel Admin.(pres; secy-treas); Soc. Training & Develop.(secy-treas). Business and industrial organization and management; job evaluation; merit rating; organization; training; wage and salary administration; prevalence of incentive systems in Wisconsin industry. Address: College of Business Administration, University of Idaho, Moscow, Idaho 83843.
- MOBLEY, DR. HARRIS W, b. Hinesville, Ga, June 19, 29; m. 50; c. 3. ANTHROPOLOGY. A.B. Mercer, 55; B.D. Wake Forest, 59; M.A. Hartford Sem. Found, 64, Ph.D.(anthrop), 66. ASSOC. PROF. SOCIOL. & ANTHROP. GA. SOUTH. COL, 66- U.S.M.C., 46-48 & 50-51. Fel. Anthropol. Asn; fel. African Studies Asn. African ethnology; social change in folk societies in the southeastern United States. Publ: The Ghanaian's image of the Christian missionary, Brill, Netherlands, 68. Address: Dept. of Sociology & Anthropology, Georgia Southern College, Statesboro, Ga. 30458.
- MOCK, DR. JOE F(ALLWELL), b. Ashland, Ky, July 24, 28; m. 55; c. 2. PSYCHOLOGY. A.B. Miami (Fla), 50; M.S. Kentucky, 55, Ph.D., 57. Staff clin. psychologist, Vet. Admin, 57, chief psychologist, 57-59; private practice, 59- Instr, Ashland Center, Kentucky, 59-64. Consult, Vet. Admin, 59-; Cammack Childrens Home, 66-; Appalachian Comprehensive Care Center, 67- Med.C. U.S.A., 50-52. AAAS; Psychol. Asn; Soc. Proj. Tech. & Personality Assessment. Effect of drugs on behavior; personality theory, especially of psychotherapeutic process, in both children and adults. Address: 93 N. Edgemont Rd, Huntington, W.Va. 25701.
- MODELSKI, PROF. GEORGE, b. Poznan, Poland, Jan. 9, 26; m. 51. POLITICAL SCIENCE, INTERNATIONAL POLITICS. Ph.D.(int. rels), London Sch. Econ, 54. Prof. fel. int. rels, Australian Nat. Univ, 57-67; PROF. POLIT. SCI, WASHINGTON (SEATTLE), 67- Address: 3925 47th Ave. N.E., Seattle, Wash. 98105.
- MODER, DR. JOSEPH J(OHN), Indust. Eng, see 11th ed, Phys. & Biol. Vols.
- MODIGLIANI, PROF. FRANCO, b. Rome, Italy, June 18, 18; nat; m. 39; c. 2. ECONOMICS. Dr. Juris, Rome, 39; D.S.S. New Sch. Soc. Res, 44; hon. LL.D., Chicago, 67. Asst. prof. math. econ & economet, New Sch. Soc. Res, 43-44, 46-48; res. assoc. & chief statistician, Inst. World Affairs, N.Y., 45-48; from assoc. prof. to prof. econ, Illinois, 49-52, PROF. econ. & indust. admin, Carnegie Inst. Tech, 52-60; econ, Northwestern, 60-62; ECON. & FINANCE, MASS. INST. TECH, 62- Fel. polit. econ, Chicago, 48; Fulbright lectr, Rome & Palermo, 55. Res. consult, Cowles Cmn. Res. Econ, 49-54; acad. consult, bd. gov. Fed. Res. Syst; consult, Secy. to Treas. U.S.; Bank of Italy. Mem. bd. dir, Soc. Sci. Res. Coun. Econ. Asn; fel. Economet. Soc.(pres, 62). Econometrics; theory of money and aggregative economics; managerial economics. Publ: Co-auth, Planning production, inventories and work forces, Prentice-Hall, 60; auth, The monetary mechanism and its interaction with real phenomena, Rev. Econ. & Statist, 2/63; Life cycle hypothesis of saving, the demand for wealth and the supply of capital, Soc. Res, summer 66. Address: Sloan School of Management, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- MODISETT, DR. NOAH FRANKLIN, Speech, Eng, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- MODLIN, CAREY P(ETE), JR, b. Norfolk, Va, Jan. 26, 22; m. 58; c. 2. ECONOMICS, STATISTICS. B.A. Col. William & Mary, 46; M.A. Princeton, 48. Instr. Princeton, 48-50; anal. statistician econ. off. statist. standards, U.S. Bur. Budget, 51-66; SR. ECONOMIST, COUN. ECON. ADV, 66- U.S.A.A.F., 42-45. Econ. Asn; Statist. Asn; Acct. Asn. Economic statistics, government and business; accounting; transportation. Publ: Contrib, On improving the timeliness of current economic statistics, Bus. & Econ. Statist; co-auth, Treatment of foreign and domestic trade and transportation charges in the Leontief input-output table, Econ. Activity Anal. Address: 3056 Porter St. N.W., Washington, D.C. 20008.
- MODLIN, PRES. GEORGE M(ATTHEWS), b. Elizabeth City, N.C., July 13, 03. ECONOMICS. A.B. Wake Forest Col, 24, LL.D., 47; A.M. Princeton, 25, Ph.D., 32. Asst. instr. Princeton, 27-28, instr. econ, 28-33, asst. prof, 33-38; dean eve. sch. bus. admin. & chmn. dept. econ, RICHMOND, 38-46, dir. eng. sci. & mgt. war training prog, 42-45, PRES, 46- Lectr, univ. col. eve.

div, Rutgers, 35-38. Pub. panel mem, War Labor Bd, 42-45. Econ. Assn. Development of economic society; social control of industry. Address: University of Richmond, Richmond, Va. 23173.

MODLIN, DR. HERBERT C(HARLES), Psychiat, see 11th ed, Phys. & Biol. Vols.

MODRICK, DR. JOHN A(NTTHONY), b. Davenport, Iowa, Mar. 21, 24; m. 45; c. 4. PSYCHOLOGY. A.B. Michigan, 50, A.M. 51, Ph.D.(psychol), 55. Asst. prof. psychol, Washington & Jefferson Col, 54-56; Kentucky, 56-58; psychologist, training res. br, aerospace med. lab, Wright-Patterson Air Force Base, 58-63; ASST. PROF. PSYCHOL, COLORADO STATE, 63- U.S.A. 43-45. Learning; decision-making; psychological measurement. Publ: Role of instructions and differential reward in human learning with partial reinforcement; Item versus trait accuracy in interpersonal perception. Address: Dept. of Psychology, Colorado State University, Ft. Collins, Colo. 80521.

MOE, PROF. EDWARD O(WEN), b. Provo, Utah, Aug. 31, 14; m. 47; c. 3. SOCIOLOGY. B.S. Brigham Young, 38; American Univ; Ph.D. Cornell, 51. Soc. sci. analyst, bur. agr. econ, U.S. Dept. Agr, 40-51; prof. rural sociol. & exten, Cornell, 51-55; sociol. & anthropol, Michigan State, 55-62; PROF. SOCIOL, UTAH, 62-, DIR, DIV. COMMUNITY & URBAN DEVELOP, 62- Vis. prof, Missouri, 49, 51; Wisconsin, 53-54; Alberta, 67. Consult, Am. Red Cross, 55-, study blood prog, 62-64; consult, Methodist Bd. Ed, 59-67; urban community develop. in Panama City, Adult Ed. Assn, 66. Assoc. Nat. Training Lab, 52-, mem. bd. & exec. cmt, Inst. Appl. Behav. Sci, 64-67 & chmn. Center Community Affairs, 67. Pres, Salt Lake Area Community Serv. Coun, 66-68. U.S.A. 58-61. Sociol. Assn; Rural Sociol. Soc; Soc. Appl. Anthropol; Soc. Psychol. Study Social Issues; Soc. Study Social Probs. Innovation and diffusion; American community; public opinion. Publ: Culture of a contemporary rural community, Irwin, Iowa, U.S. Dept. Agr. Rural Life Study; New York farmers' opinions on agricultural programs, Cornell Univ. Exten. Bull; Extension service in Vermont. Address: Division of Community & Urban Development, University of Utah, P.O. Box 200, Salt Lake City, Utah 84110.

MOED, DR. GEORGE, b. New York, N.Y., Jan. 24, 24; m. 46; c. 2. PSYCHOLOGY. A.B. California, Los Angeles, 51; Western Reserve, 51-52; A.M. Pennsylvania, 55, fel, 55-56, Ph.D. 58. Group work therapist, State Receiving Hosp, Cleveland, Ohio, 52-53; asst. psychol, Pennsylvania, 53-55, res. assoc. inst. urban studies, 56, asst. exec. training eval. prog, 54-58; RES. DIR, Children's Seashore House, Atlantic City, N.J., 58-63, LOS ANGELES COUNTY DEPT. MENT. HEALTH, 63- Instr, Pennsylvania, 60; asst. prof, Fairleigh Dickinson, 62-63; lectr, California, Los Angeles, 63-64, 65; prog. & res. consult, Ment. Retardation Serv. Bd. Los Angeles County, 66-; assoc. clin. prof, sch. med, Southern California, 67-; res. consult, Center Training in Community Psychiat, 67- U.S.A.A.F. 42-46, Sgt. Psychol. Assn; Fedn. Am. Sci. Social psychology: inter-group relations: medical, orthopedic, economic and psychological effects of physical disability; community mental health. Publ: Satiation theory and the Muller-Lyer illusion, Am. J. Psychol; Studies of disability: a technique for measurement of psychological effects, Child Develop; Co-auth, The integration of research into a metropolitan mental health program, In: Community Mental Health, Jossey-Bass, 68. Address: Los Angeles County Dept. of Mental Health, 1106 S. Crenshaw Blvd, Los Angeles, Calif. 90019.

MOELLENBERG, DR. WAYNE, b. Idalia, Colo, Aug. 7, 33; m. 54; c. 2. EDUCATIONAL PSYCHOLOGY. Teacher, pub. schs, Colo, 55-57, teacher & coach, 57-59, dir. guild, 62-64; ASST. PROF. ED, NEW MEXICO, 66-, univ. res. allocations cmt. grant effects cultural deprivation, 66-67. Personnel & Guid. Assn; Ed. Res. Assn. Compensatory education of the culturally deprived; educational simulation and games. Address: Dept. of Education, University of New Mexico, Albuquerque, N.Mex. 87106.

MOELLER, DR. CHARLES, JR., b. New York, N.Y., Aug. 1, 16; m. 39; c. 4. ECONOMICS, FINANCE. B.S. N.Y. Univ, 41, M.B.A. 44, Ph.D.(econ, finance), 53. V.PRES. ECON. METROP. LIFE INS. CO, 41- Lectr, N.Y. Univ, 53-; vis. prof, Puerto Rico, 61- U.S.N. 45-46. Econ. Assn; Statist. Assn; Economet. Soc. Business Statistics. Publ: Secondary market for home mortgages in the U.S. Address: 288 Prospect Ave, Little Silver, N.J. 07739.

MOELLER, DR. GEORGE, JR., b. St. Louis, Mo, Sept. 6, 25; m. c. 4. PSYCHOLOGY. A.B. Washington (St. Louis), 49; Ph.D.(psychol), Iowa, 52. Instr. psychol, Conn. Col, 52-54, asst. prof, 54-60; HEAD HUMAN FACTORS ENG. BR, U.S. NAVAL SUBMARINE MED. RES. LAB, 60- U.S.A. 43-46. AAAS; Psychol. Assn; Human Factors Soc. Learning theory; motivation; human factors. Publ: CS-USC internal in GSR conditioning, J. Exp. Psychol; Standive, Fortran solution of decompression equations, U.S. Naval Submarine Med. Center Reports, 66; co-auth, Confusion matrix analysis for form perception, Human Factors 10/67. Address: Naval Submarine Medical Center, Groton, Conn. 06340.

MOELLER, PROF. LESLIE G(EOURGE), b. Everly, Iowa, Oct. 21, 04; m. 26; c. 2. COMMUNICATIONS. B.A. Iowa, 25; Litt.D. Wartburg, 57. Adv. mgr, Spencer News Herald, Iowa, 25-26; managing ed, New Hampton Gazette, 26-27; managing ed. & gen. mgr, Bremer County Independent, 27-46; assoc. prof. JOUR, IOWA, 46-47, PROF, 47-, dir. bur. newspaper serv, 46-47, dir. sch. jour, 47-67. Managing ed. & gen. mgr, Waverly Democrat, 31-46. Peter Eads mem. jour. lectr, Maine, 61. Wall St. J. award, 61. U.S.N.R., 43-45, Comdr. Assn. Ed. in Journalism; Nat. Soc. Study Commun; Sociol. Assn; Assn. Pub. Opinion Res; Int. Assn. Mass Commun. Res; Int. Soc. Gen. Semantics. Communication within organizations; social impact of mass communications; creativity and adjustment to change. Publ: Newspapers, In: New International yearbook, Funk, annually, 58-; 50 years of journalism research, Quill, 11/62; The impact of reporting of public affairs on government, Iowa Journalist, 3/68. Address: School of Journalism, University of Iowa, Iowa City, Iowa 52240.

MOEN, B(ASIL) DUANE, b. Gary, Minn, June 2, 18; m. 43; c. 3. EDUCATIONAL PSYCHOLOGY, STATISTICS. B.S. Moorhead State Teachers Col, 42; M.A. Minnesota, 49. DIR. BUR. ECON. RES. & STATIST, AM. DENT.

ASN, 49- U.S.A.A.F. 42-46, 1st Lt. Statist. Assn; Pub. Health Assn. Growth in population and number of dentists, incidence and prevalence of dental disease. Publ: The 1959 survey of dental practice; Survey of dentist opinion; Economic factors in determining practice location, J. Am. Dent. Assn. Address: American Dental Association, 211 E. Chicago Ave, Chicago, Ill. 60611.

MOEN, DR. R(EUBEN) O, Bus. Admin, Econ, see 10th ed, Soc. & Behav. Vols, deceased 66.

MOERMAN, DR. MICHAEL, b. New York, N.Y., Dec. 6, 34; m. 58; c. 3. ANTHROPOLOGY. A.B. Columbia Col, 56; Ford Found. grant & Ph.D.(anthropol), Yale, 64. ASST. PROF. Southeast Asia, sch. int. serv, American Univ, 62-64; ANTHROP, CALIFORNIA, LOS ANGELES, 64- Res. grants, U.S. Air Force Off. Sci. Res, 66-68, Nat. Sci. Found, 67-69. Consult, Bur. Southeast Asia, U.S. Agency Int. Develop, 64-; Rand Corp, 65- Mem. exec. cmt, Southeast Asia Develop. Adv. Group, 65-87; exec. secy, Acad. Adv. Coun. Thailand, 66-67. Anthropol. Assn; Ethnol. Soc; Siam Soc; Assn. Asian Studies. Intensive analysis of naturally occurring social events. Publ: Agricultural change and peasant choice in a Thai village, Univ. California, 68; Who are the Lue? Am. Anthropol, 67; Being Lue: uses and abuses of ethnic identification, Proc. Am. Ethnol. Soc. 67. Address: Dept. of Anthropology, University of California, Los Angeles, Calif. 90024.

MOES, DR. JOHN E(RNST), Econ, see 10th ed, Soc. & Behav. Vols.

MOFFITT, PROF. J(OHN) WELDON, b. Provo, Utah, Oct. 16, 27; m. 47; c. 6. PSYCHOLOGY. B.S. Brigham Young, 49; M.S. Utah, 50; Ph.D.(psychol), Illinois, 53. Asst. prof. psychol, Brigham Young, 53-60; dir. bur. community develop. & leadership training, Utah, 60-63; PROF. PSYCHOL, BRIGHAM YOUNG, 63- Fel, Nat. Training Labs; sr. assoc. Leadership Resources, Inc. U.S.A. 46-47. Psychol. Assn. Social psychology; psychology of personality. Publ: Krout personal preference scale & Statistical study of Freud's theory of personality types, J. Clin. Psychol; Perceptual rigidity and closure as functions on anxiety, J. Abnorm. & Soc. Psychol. Address: Dept. of Psychology, Brigham Young University, 1234-B SFLC, Provo, Utah 84601.

MOGAR, DR. ROBERT E(DWARD), b. Cleveland, Ohio, Aug. 21, 30; m. 56; c. 2. CLINICAL PSYCHOLOGY, STATISTICS. A.B. Ohio, 53; fel, Iowa, 57-60, M.A. 59, Ph.D. 60. Clin. psychologist, Vet. Admin. Psychiat. Clin, Des Moines, Iowa, 59-60; Pa. State, 60-61; U.S. Pub. Health Serv. Res. fel, Mt. Zion Psychiat. Clin, Langley-Porter Neuropsychiat. Inst, 61-63; ASSOC. PROF. PSYCHOL, SAN FRANCISCO STATE COL, 62- Lectr, Lewistown Hosp, 60-61; res. consult, Mendocino State Hosp, 64-; Stanford Res. Inst, 66- U.S.A. 53-55, 1st Lt. Psychol. Assn. Philosophy of science; psychotherapy; psychopathology; altered states of consciousness. Publ: Value orientations of college students, Psychol. Reports, 64; Current status and future trends in psychedelic (LSD) research, J. Humanistic Psychol, 12/65; Psychedelic states and schizophrenia, J. Existential Psychiat, 1/68. Address: 906 Guerrero St, San Francisco, Calif. 94110.

MOGENSEN, PROF. G(ORDON) J(AMES), b. Delisle, Sask, Jan. 24, 31; m. 54; c. 2. PHYSIOLOGICAL PSYCHOLOGY. B.A. Saskatchewan, 55, M.A. 56, Nat. Res. Coun. fel, 56-58; Ph.D.(physiol. psychol), McGill, 59. Asst. prof. psychol, Saskatchewan, 58-64, assoc. prof, 64-65; PSYCHOL. & PHYSIOL, WESTERN ONTARIO, 65-68, PROF, 68- AAAS; Am. Psychol. Assn; Animal Behavior Soc; Psychonomic Soc; Can. Psychol. Assn; Can. Physiol. Soc. Physiology of behavior; control systems for water and food intake, temperature regulation and self-stimulation; neural mechanisms for reinforcement and learning. Publ: Effects of spreading cortical depression on avoidance responses conditioned to peripheral or central stimulation, Electroencephalog. & Clin. Neurophysiol, 65; co-auth, Drinking induced by electrical stimulation of the lateral hypothalamus, Exp. Neurol, 67; Effects of induced drinking on self-stimulation of the lateral hypothalamus, Exp. Brain Res, 67. Address: Dept. of Physiology, University of Western Ontario, London, Ont, Can.

MOGEY, PROF. JOHN MCFARLAND, b. Ballymoney, Ireland, July 7, 15; m. 40; c. 3. SOCIOLOGY. B.A. Queen's (Belfast), 36, M.A. 39, D.Sc. 49; M.A. Oxford, 50. Asst. prof. geog, Queen's (Belfast), 45-47; assoc. prof, Reading, 47-50; SOCIOL, Oxford, 50-59; PROF. & CHMN. DEPT, Vanderbilt, 60-64; BOSTON, 64- Res. officer, North. Ireland Coun. Soc. Serv, 42-47; Rockefeller fel, 54-55. Consult. ethnog. cmt, Royal Anthropol. Inst. Gt. Brit, 55-59; Ancient Monuments Coun, 46-53. Mem. int. liaison cmt, Nat. Coun. Family Rel, 64-; secy. cmt. family res, Int. Sociol. Assn, 64-; mem. exec. cmt, Int. Sci. Cmn. Family, 66- Fel. Sociol. Assn. Description of societies around the world; family roles in relation to structure of society; impact of bureaucracies on their publics. Publ: Rural life in Northern Ireland; Family and neighborhood; co-auth, The sociology of housing, Rutledge & Kegan Paul, London, 65. Address: Dept. of Sociology, Boston University, 232 Bay State Rd, Boston, Mass. 02215.

MOGLNITSKY, PROF. T(HEODOSI) A(LEXIS), b. Russia, Mar. 12, 98. ECONOMIC. Kiev, 17-18; A.M. Hopkins, 30, Ph.D. 32. Lectr. Russian, Hopkins, 28-37; from instr. to prof. ECON. & chmn. dept, LOYOLA (ILL), 37-66, EMER. PROF, 66- Prof, Baltimore, 30-37. Econ. Assn. History of economic theory; price control in America; public policy and postwar employment. Address: 317 Manzano N.E, Albuquerque, N.Mex. 87108.

MOHAT, DR. HALDOR RAY, Econ, see 10th ed, Soc. & Behav. Vols.

MOHOLY-NAGY, HATTULA, b. Berlin, Germany, Oct. 11, 33; U.S. citizen; m. 65; c. 2. ANTHROPOLOGY, ARCHAEOLOGY. A.B. Michigan, 55; Chicago Natural Hist. Mus. fel, Chicago, 57-58, M.A. 58. Field lab. head, Joint Casas Grandes Exped, Amerind Found, Inc, 58-59; TIKAL PROJ, UNIV. MUS, PENNSYLVANIA 60-64, ASSOC, 60- Anthropol. Assn; Soc. Am. Archaeol. Old world early-village-farming communities; Mesoamerican archaeology; primitive technology; natural science identifications of archaeological materials; prehistoric trade. Publ: Shells and marine material from Tikal,

- Peten, Guatemala, Estudios de cultura maya, 63; Tikal mosaic figurines, Archaeology, 66; co-auth, A Teotihuacan-style vessel from Tikal: a correction, Am. Antiq., 66. Address: Zähringerplatz 11, 8001 Zurich, Switz.
- MOHR, DR. LAWRENCE B.**, b. Los Angeles, Calif., May 5, 31; m. 55; c. 2. **POLITICAL SCIENCE.** A.B. Chicago, 51; M.P.A., Michigan, 63, Ph.D. (polit. sci.), 66. Grant administrator, U.S. Pub. Health Serv., 57-63; RES. ASSOC. PUB. HEALTH, MICHIGAN, 65-; ASST. PROF. POLIT. SCI., 66- U.S.A., 54-56. Polit. Sci. Asn.; Sociol. Asn.; Soc. Pub. Admin.; Pub. Health Asn. Development of empirical theory in organizational behavior. Publ: Determinants of innovation in organizations, Am. Polit. Sci. Rev., 3/69. Address: 1624 Cherokee Rd., Ann Arbor, Mich. 48104.
- MOHRBACHER, DR. JOHN W(EBB)**, b. Duluth, Minnesota, Sept. 12, 32; m. 58; c. 1. **PSYCHOLOGY.** B.A., Col. St. Thomas, 54; M.A., St. Louis, 56; Ph.D. (clin. psychol.), Loyola (Ill.), 60. Mem. faculty, Illinois, Chicago, 57-58; staff psychologist, Ill. State Training Sch. Boys, 58; extern psychol., Inst. Juvenile Res., Ill., 58-59; mem. faculty, Mundelein Col., 60; U.S. Pub. Health Serv. fel. clin. psychol., med. sch. Minnesota, 60-61; staff psychologist, Topeka Vet. Admin. Hosp., Kan., 61-67; COORDINATOR PROG. EVAL STAFF, AM. LAKE VET. ADMIN. HOSP., 67- Mem. faculty, Loyola (Ill.), 58-59; clin. assoc., Kansas, 62-64; mem. faculty, Washburn, 65-67; staff psychologist, Topeka State Hosp., Kans., 66-67. U.S.A.F., 54-55. Psychol. Asn. Professional staff effectiveness in psychiatric hospitals; therapist combinations in working with married couples. Address: Program Evaluation Staff, American Lake Veterans Administration Hospital, Tacoma, Wash. 98493.
- MOHRING, PROF. HERBERT D(ICK)**, b. Buffalo, N.Y., Sept. 8, 28; m. 53; c. 3. **ECONOMICS.** A.B., Williams Col., 50; Ph.D. (econ.), Mass. Inst. Tech., 59. Res. assoc. & head econ. sect., Willow Run Res. Center, Michigan, 51-52, study dir., surv. res. center, 54-57; res. assoc., Resources for the Future, D.C., 57-58; res. economist, transportation center, Northwestern, 58-61; assoc. prof. ECON., MINNESOTA, MINNEAPOLIS, 61-67, PROF., 67- Ford Found. faculty res. fel., 65-66. Consult., U.S. Pub. Health Serv., 65; Attorney Gen. of Minn., 66; Exec. Off. of the President, U.S. Bur. Budget, 67-; U.S. Dept. Housing & Urban Develop., 67- U.S.A.F., 53, Lt. Am. Econ. Asn.; Economet. Soc.; Royal Econ. Soc. Industrial organization; transportation; econometrics. Publ: Co-auth, Highway benefits: an analytical framework; auth, Land values and the measurement of highway benefits, J. Polit. Econ. & Urban highway investments, In: Measuring benefits of government investments, Brookings Inst., 65. Address: 1425 E. River Rd., Minneapolis, Minn. 55414.
- MOIR, JOHN BROWNLEE**, Clin. Psychol., Sociol., see 10th ed, Soc. & Behav. Vols.
- MOJZES, DR. PAUL BENJAMIN**, Church Hist., Hist. of Relig., see 5th ed, Dir. Am. Scholars, Vol. IV, Philos., Relig. & Law.
- MOLAND, PROF. JOHN, JR.**, b. Jacksonville, Fla., Mar. 24, 26; m. 60; c. 3. **SOCIOLOGY, PSYCHOLOGY.** B.A., Fisk, 52, M.A., 54; Indiana, summer, 56; Ph.D. (sociol.), Chicago, 67. Asst. prof. sociol., Fla. Agr. & Mech., 53-60; Grambling Col., 60-61; res. assoc., youth studies, Univ. Chicago & YMCA Metrop. Chicago, 61-64; assoc. prof. SOCIOL., GRAMBLING COL., 64-65, PROF., 65- Res. consult. study delinquency, Washington State Univ., summer, 65; asst. dir. Title I grant for family life inst. proj., Grambling Col. & State of La., 66-; dir. Title I grant for leadership training proj., Grambling Col. & surrounding area, 67-68. U.S.A., 45-47, 1st Sgt. Social psychology; juvenile delinquency; deviant behavior; race and ethnic relations. Publ: Co-auth, Humor in Negro and white subcultures: a study of jokes among university students, Am. Sociol. Rev., 2/59; auth, Qualities desired in a job by adolescent boys, J. Asn. Soc. Sci. Teachers, 12/64. Address: Dept. of Sociology, Grambling College, Grambling, La. 71245.
- MOLES, DR. EDGAR A(LLAN)**, b. East Point, Ky., Nov. 3, 18; m. 48; c. 1. **PSYCHOLOGY, ANTHROPOLOGY.** B.A., Kentucky, 48, M.S., 54, Ph.D., 59. Psychologist, East. State Hosp., Ky., 50-57, chief psychologist, Ky. State Hosp., 58-59, psychol. & res. consult., DEPT. MENT. HEALTH, Ky., 59-67, DIR. OFF. RES. & TRAINING, 67- Assoc. prof., Centre Col., Ky., 59-60. U.S.A.A.F., 42- Psychology and religion; community psychology; communication. Address: Route 6, Newtown Pike, Lexington, Ky. 40507.
- MOLESKO, NORMAN M(ELVYN)**, b. New York, N.Y., Mar. 20, 30; m. 60. **PSYCHOLOGY, HUMAN FACTORS ENGINEERING.** B.S., City Col. New York, 52; M.A., New Sch. Soc. Res., 54; cert., California, 58; Ga. State Col., 55. Mem. prod. staff, Electro-Chem. Engraving Co., N.Y., 53; indust. engr., Marchant Calculators, Calif., 58-58; voc. counsr., Temple Beth Am, Olympic Jewish Community Center, 58-59; human factors specialist, Sysds. Develop. Corp., Calif. & Air Force Cambridge Res. Center, Mass., 58-60; sr. human reliability engr., Gen. Dynamics-Astronaut, 60-62; sr. res. engr. life sysds., Space & Info. Sysds. Div., N.Am. Aviation, Inc., 62-64; RES. ENG. SPECIALIST HUMAN FACTORS, SPACE DIV., CHRYSLER CORP., 64- U.S.A., 54-56. AAAS; Psychol. Asn.; Aerospace Med. Asn.; Human Factors Soc.; Inst. Elec. & Electronics Eng. Man's performance under extraterrestrial space environment conditions; space vehicle, lunar base and aerospace ground equipment design and development; maintainability concepts; crew procedures and task analyses; crew selection and training. Publ: Co-auth, Improving the processing of manual data inputs by the installation of a situation display console, Sysds. Develop. Corp., 59; ed, A collection of papers on space suits and human performance, 65 & auth, Some human factors considerations for manned spacecraft scientific payload systems, 66, Chrysler Corp. Space Div. Address: 1548 Aviators St., New Orleans, La. 70122.
- MOLINEU, DR. JAMES HAROLD**, b. Washington, D.C., Nov. 25, 39; m. 63. **POLITICAL SCIENCE.** B.A., Berea Col., 61; M.A., Ohio, 63; Carnegie fel., Oregon, 62-63; Ph.D. (int. rels.), American Univ., 68. Lectr. polit. Univ. Maryland European Div., 63-65; ASST. PROF. POLIT. SCI., AKRON, 67- Polit. Sci. Asn. United States foreign policy particularly in Latin America; international relations theory. Address: Dept. of Political Science, University of Akron, Akron, Ohio 44304.
- MOLISH, COMDR. H(ERMAN) B(ARRY)**, U.S.N. (Ret.), b. Philadelphia, Pa., Oct. 15, 14; m. 48; c. 1. **CLINICAL PSYCHOLOGY.** A.B., Temple, 38; M.A., Ohio State, 38; Ph.D. (clin. psychol.), Chicago, 55. Chief clin. psychologist, Vet. Admin. Ment. Hyg. Clin., Baltimore, Md., 46-48; res. clin. psychologist, Michael Reese Hosp., Chicago, Ill., 48-50; clin. psychologist, U.S. Naval Hosp., Bethesda, 50-60, Naval Med. Res. Lab., 60-66; DIR. PSYCHOL. DIV., A. RIBICOFF RES. CENTER, NORWICH HOSP., 66- Clin. psychologist, Ohio Hosp. Epileptics, 38-41. Consult., State Dept. Ment. Hyg., Md.; Crownsville State Hosp.; Spring Grove State Hosp.; sch. pub. health & ment. hyg., Hopkins, 46-48; psychiat. dept., sch. med., Maryland, 56-58; Middletown & Norwich State Hosps., Conn., 58-; Child Clin., New London, 61-; Inst. Child Psychiat., Houston. Med. Serv. C, U.S.N., 41-46, 50-66. Fel. Soc. Proj. Tech. & Personality Assessment (pres., 67-68); fel. Psychol. Asn.; fel. Orthopsychiat. Asn. Military psychology and psychiatry; neuropsychiatric selection; projective techniques and personality structure. Publ: Schizophrenic reaction types as evaluated by the Rorschach test, Monog. Bur. Med. & Surg., Navy Dept., Govt. Printing Off., 56. co-auth, Reflexes to intelligence, Macmillan, 59, Rorschach test II—a variety of personality pictures, Grune, 67. Address: A. Ribicoff Research Center Norwich Hospital, Norwich, Conn. 06361.
- MOLL, PROF. RICHARD P(ETER)**, Psychol., see 10th ed, Soc. & Behav. Vols., deceased 67.
- MOLLENKOPF, DR. WILLIAM G(EOURGE)**, b. Rensselaer, N.Y., Nov. 11, 16; m. 43; c. 2. **PSYCHOLOGY.** A.B., N.Y. State Col. Teachers (Albany), 38, M.A., 46; Nat. Res. Coun. fel., Princeton, 46-48, M.A., 47, Ph.D. (psychol.), 48. Res. assoc., Ed. Testing Serv., 48-56; ASSOC. MGR., PERSONNEL ADMIN., PROCTER & GAMBLE CO., 57- Vis. lectr., Princeton, 48-54. U.S.A.A.F., 42-45. AAAS; Psychol. Asn.; Psychomet. Soc. (secy., 61-67); Psychonomic Soc. Measurement theory; selection and classification tests; measures of complex performance. Publ: Variation of the standard error of measurement; Effects on item-analysis data of changing placement and time limit; Problems of differential prediction. Address: Procter & Gamble, P.O. Box 599, Cincinnati, Ohio 45201.
- MÖLLER, DR. ELISABETH F(ALLÉN)**, Psychol., see 10th ed, Soc. & Behav. Vols.
- MOLLER, PROF. HERBERT**, European Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MOLLETT, PROF. JOHN A(NTHONY)**, Agr. Econ., see 10th ed, Soc. & Behav. Vols.
- MOLLEY, DR. JOHN D.**, b. Cincinnati, Ohio, Jan. 1, 31; m. 59; c. 2. **POLITICAL SCIENCE.** A.B., Cincinnati, 53, M.A., 56, Ph.D. (polit. sci.), 59. Instr. polit. sci., Marquette, 59-61; from asst. prof. to assoc. prof., Our Lady of Cincinnati Col., 61-66; ASST. PROF. SOC. SCI., MICH. STATE, 66- From vis. asst. prof. to assoc. prof., Cincinnati, summers, 61-66. Polit. Sci. Asn.; Soc. Pub. Admin. Government and the press; role of free press; legal problems of government-press in American democracy. Address: 514 Gainsborough Dr., East Lansing, Mich. 48823.
- MOLNAR, DR. ANDREW R.**, b. Cleveland, Ohio, Aug. 1, 29; m. 54; c. 3. **PSYCHOLOGY.** B.A., Maryland, 52, M.A., 55, Ph.D. (psychol.), 59; cert., Hillyer Col., 56. Res. asst., Psychol. Res. Assoc., 54, res. assoc., 57-58; teaching asst., Maryland, 54-56; design engr., Pratt & Whitney Aircraft, 56-57; dir. training, Carmody Corp., 58-59; human factors scientist, Syst. Develop. Corp., 59-61; assoc. prof. soc. sci. res. & sr. res. scientist, spec. ops. res. off., American Univ., 61-66; ACTING DIR., DIV. HIGHER ED. RES., U.S. OFF. ED., 66- Exten. prof., Virginia, 62-66; adj. prof., sch. int. serv. & sch. govt., American Univ., 66-68. U.S.M.C., 46-48, 51, Sgt. Psychol. Asn. Higher education; telecommunication in education; computers and computer networks; social and revolutionary movements; cross-cultural research; systems analysis; simulation; training; human factors; human engineering. Publ: Co-auth, Undergrounds in insurgent, revolutionary and resistance warfare, 63 & Human factors considerations of undergrounds in insurgency, 65, Govt. Printing Off. Address: 3911 Jeffery St., Silver Spring, Md. 20906.
- MOLOF, DR. MARTIN JOSEPH**, b. Brooklyn, N.Y., June 8, 36. **PSYCHOLOGY.** B.A., Brooklyn Col., 57; Ph.D. (psychol.), Stanford, 63. ASSOC. SOC. RES. ANALYST, DIV. RES. CALIF. YOUTH AUTHORITY, 63- Instr., Sacramento State Col., 67-68. Social psychology—group behavior, social behavior and personality; use of social science methodology in applied research. Address: 1616 N. Street, Sacramento, Calif. 95814.
- MOLTZ, PROF. HOWARD**, b. New York, N.Y., July 15, 27; m. 48; c. 1. **PSYCHOLOGY.** B.A., N.Y. Univ., 49, Ph.D. (psychol.), 53. Asst. N.Y. Univ., 51-52, res. assoc., Illinois, 52-54; instr. PSYCHOL., BROOKLYN COL., 54-58, asst. prof., 58-63, assoc. prof., 63-66, PROF., 66- Nat. Insts. Health res. develop. award, 64-69. U.S.N.R., 47-49. Fel. AAAS; fel. Psychol. Asn. Comparative psychology; endocrine-experimental determinants of species-typic behavior. Publ: Co-auth, Caesarean delivery and the maternal behavior of primiparous and multiparous rats, 66, Ovariectomy: effects on the maternal behavior of primiparous and multiparous rats, 66 & Maternal behavior in the totally mammectomized rat, 67, J. Comp. & Physiol. Psychol. Address: Dept of Psychology, Brooklyn College, Brooklyn, N.Y. 11210.
- MOLYNEAUX, PROF. J. LAMBERT**, b. Braddock, Pa., Oct. 8, 07. **SOCIOLOGY.** B.S., Virginia, 36, A.M., 38, Gen. Ed. Bd. fel., 42-43; Ph.D., La. State, 47. Asst. prof. rural sociol., Agr. & Mech. Col., Tex., 39-42, math, 43-44, economist rural life, agr. exp. sta., 44-45; soc. scientist, bur. agr. exp., U.S. Dept. Agr., 45-46; res. assoc., bur. pop. & econ. res., Virginia, 46-48, assoc. prof. SOCIOL., 48-64; vis. prof., LA. STATE, NEW ORLEANS, 64-65, PROF. & CHMN. DEPT., 65-, acting chmn. dept., 65. AAAS; fel. Sociol. Asn.; Pop. Asn. Population; differential mortality in Virginia; urban sociology. Address: Dept. of Sociology, Louisiana State University in New Orleans, Lakefront, New Orleans, La. 70122.
- MOMENT, DR. DAVID**, b. Chicago, Ill., May 25, 25; m. 48; c. 2. **ORGANIZATIONAL BEHAVIOR.** B.S., Ill. Inst. Tech., 51; M.B.A., Harvard, 57, D.B.A. (orgn. behav.), 61. Asst. prof. ORGN. BEHAV., GRAD. SCH. BUS. ADMIN., HARVARD, 61-64, ASSOC. PROF., 64-, dir. center res. in careers, grad. sch. ed., 66-68. U.S.N.A.F., 43-46. Psychol. Asn.; Sociol. Asn. Managerial

and professional behavior and career development; organizational development. Publ: Co-auth, Role development and interpersonal competence, Div. Res, Harvard Bus. Sch, 61; co-auth, Dynamics of interpersonal behavior, 64 & Casebook on interpersonal behavior in organizations, 64, Wiley. Address: Harvard Business School, Boston, Mass. 02163.

MOMSEN, DR. RICHARD P(AUL), JR., b. New York, N.Y., June 14, 23; m. 66; c. 5. GEOGRAPHY. A.B. Dartmouth Col, 50; M.A. Minnesota, 52, Ph.D. 60; summer, McGill, 53. Rep. Lindsay Light & Chem. Co, Brazil, 48-49; instr. geog. Minnesota, 52-54, asst. Bur. Pub. Rds. proj, 58-59; field mgr. Brasilia Site Selection Proj, Donald J. Belcher & Assocs, Brazil, 54-55; asst. prof. geog. Colorado, 59-60; Rollins Col, 60-63; chief Guyas Basin Proj, Orgn. Am. States, 63; assoc. prof. geog. & coordinator int. studies, Ball State, 63-66; SR. PHOTOINTERPRETER GEOG. INTER-AM. INST. AGR. SCI, 67- Vis. prof. Coimbra, 62; Ford Found. travel grant, Brazil & Caribbean, 65. Civilian with Am. Field Serv, Free French Forces, 42-43; U.S.N., 43-45. Am. Geog. Soc; Asn. Am. Geog; Soc. Int. Develop; Brazilian Geog. Soc. Regional geography of Latin America, especially Brazil; interpretation of aerial photographs; underdeveloped areas. Publ: Argentina, Doubleday, 60 & 65; Routes over the Serra do Mar, Editora Taveira, 64; Brazil: a giant stirs, Van Nostrand, 68. Address: Inter-American Institute of Agricultural Sciences, Turrialba, Costa Rica.

MOMACHESI, PROF. ELIO D(AVID), b. Macerata, Italy, July 19, 05. SOCIOLOGY. A.B. Missouri, 27, A.M. 28; Ph.D. Minnesota, 31. Instr. SOCIOLOGY, MINNESOTA, 28-32, asst. prof, 34-39, assoc. prof, 39-45, PROF, 45-, CHMN. DEPT, 51- Soc. Sci. Res. Coun. fel, 32-34. Fel. AAAS; Sociol. Asn; Sociol. Res. Asn. Rehabilitation of children; criminology; sociology and culture. Publ: Co-auth, Elements of Sociology; Analyzing and predicting juvenile delinquency with the MMPI; Adolescent personality and behavior, Univ. Minnesota, 63. Address: Dept. of Sociology, University of Minnesota, 1114 Social Science Bldg, Minneapolis, Minn. 55455.

MONAGHAN, DR. ROBERT R., b. Dowagiac, Mich, Mar. 31, 28; m. 54; c. 1. COMMUNICATION. B.A. Olivet Col, 52; M.A. Stanford, 59; Ph.D. (commun), Mich. State, 64. Producer, Nat. Broadcasting Co, 58; instr. journalism, Oregon, 59-60, asst. prof, 60-61; ASSOC. PROF. COMMUN. OHIO STATE, 64-Gen. mgr. Ore. Asn. Broadcasters, 59-61. Consult, Metro-Goldwyn-Mayer TV, 65-66; Ohio Youth Cmn, 67-68. U.S.M.C., 46-48. Asn. Ed. in Journalism; Asn. Pub. Opinion Res; Sociol. Asn. Analysis of professional media communicators, audiences, and small group communication processes. Publ: Three faces of the true believer, J. Sci. Study Relig, fall 67; A systematic way of being creative, J. Commun, 3/68; Creative strategies in audience analysis, Ed. Broadcasting Rev, 4/68. Address: Dept. of Speech, Ohio State University, Columbus, Ohio 43210.

MONAHAN, DR. ROBERT L(EONARD), b. Hoquiam, Wash, July 26, 26; m. 50; c. 3. GEOGRAPHY. B.A. Washington, 50; A.M. Michigan, 51; Carnegie Arctic Res. fel, McGill, 51-53, Ph.D. 59; Wisconsin, 53-54. Lectr. GEOG, Sir George Williams Col, 52-53; instr. Wisconsin, 53-54; Washington, 54-55; from instr. to PROF, WEST. WASH. STATE COL, 55- Sabbatical for Finnish forest indust. res, Finland, 66-67. U.S.N.R., 44-46. Asn. Am. Geog; Geog. Soc; Polar Soc; Arctic Inst. N.Am. Subarctic settlement; economic geography. Publ: The fishtrap: some considerations, Proc. 15th Alaskan Sci. Conf, Am. Asn. Adv. Sci, 64; Locational changes in the forest product industries of the Pacific Northwest, Yearbook of Asn. Pac. Coast Geogr, 66; Metsäjalouden edistämisen-tekijä metsäammattimiehille, Metsänhoitaja, 67. Address: Dept. of Geography, Western Washington State College, Bellingham, Wash. 98225.

MONAT, PROF. WILLIAM ROBERT, b. Biwabik, Minn, Oct. 9, 24; m. 51; c. 3. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A. Minnesota, 49, fel, 50-53, Ph.D. (polit. sci), 56; fel, Wayne State, 49-50. Instr. polit. sci, Minnesota, 53-54; asst. prof, Wayne State, 54-57; admn. asst. to governor, Mich, 57-60; assoc. prof. polit. sci, PA. STATE, 60-65, PROF. POLIT. SCI. & PUB. ADMIN, 65-, ASSOC. DIR. INST. PUB. ADMIN, 63-, asst. dir, 61-63, head dept. polit. sci, 65-66. Consult, U.S. Pub. Health Serv, 56; state treas, Commonwealth of Pa, 61; Governor's Cmt. on Handicapped, Pa, 61-62; youth employ, Off. Secy, U.S. Dept. Labor, 63-64, fed-state rels, Bur. Labor Standards, 66- U.S.A., 43-46, Sgt. Polit. Sci. Asn; Soc. Pub. Admin. Public administration; urban governmental systems; manpower and employment policy systems; governmental budgeting systems. Publ: The public library and its community, Pa. State Univ, 67; ed, Public administration in an era of change; auth, chaps. II & IV, In: Air pollution in the Detroit-Windsor area. Address: Institute of Public Administration, Pennsylvania State University, University Park, Pa. 16802.

MONDA, CORNELL P(ETER), b. Sibiu, Romania, July 27, 11; U.S. citizen; m. 41; c. 3. PSYCHOLOGY, GUIDANCE. B.S. Ohio, 42; M.A. Western Reserve, 48; Ohio State, 51-52; Kent State, 54. Teacher, high schs, 44-47; instr. psychol, Kent State, 47-50; teacher & guid. counsr, high sch, Ohio, 53-55; psychologist, pub. schs, 55-58; DIR. PSYCHOL. & GUID. SERV, LISBON PUB. SCHS, 58-; SUPVR. TESTING, LISBON TESTING CENTER, NAT. LEAGUE NURSING EXAM, 66- Supvr, Col. Entrance Exam. Bd, 59- Summers, res. engr, Timken Roller Bearing Co, 44; supvr. soc. serv, Massillon State Hosp, 50. Consult, juvenile court, dept. welfare & bur. voc. rehab, Columbiana County, 58-, Child Counseling Center, 59-, consult. psychologist, Head Start Prog, 67- Psychol. Asn; Personnel & Guid. Asn. Psychological testing, evaluation, interpretation and counseling of children, adolescents and adults. Address: 425 W. Lincoln Way, Lisbon, Ohio 44432.

MONDERER, DR. JACK H(ENRY), b. Brooklyn, N.Y., Dec. 25, 25; c. 3. PSYCHOLOGY. B.S. City Col. New York, 49, M.A. 50; Ph.D. (ed. psychol. & measurement), Nebraska, 54. Counseling psychologist, Voc. Counseling Serv, Inc, Conn, 53-57; dir. pupil personnel serv, Ridgefield Pub. Schs, 57-64; assoc. dir. interpnrl. res. cmm. pupil personnel serv, proj. center & vis. lectr. counseling, Maryland, 64-65; DIR. PUPIL PERSONNEL SERV, LEXINGTON PUB. SCHS, 65- Instr. New Haven Col, 54-57; lectr. New Haven State Teachers Col, 55, U.S.A.A.F., 44-46. Psychol. Asn; Personnel & Guid. Asn. Creativity; counseling; education and development of the gifted. Publ: Subjective status and the equilibration hypothesis, Effect of

college grades on motivation and status. Address: 10 Franklin Rd, Lexington, Mass. 02173.

MONEY, PROF. JOHN W(ILLIAM), b. Morrisville, N.Z., July 8, 21. MEDICAL PSYCHOLOGY. M.A. New Zealand, 43, dipl, 44; Ph.D. (soc. rels), Harvard, 52. Jr. lectr. philos. & psychol, Otago, N.Z., 45-47; instr. psychiat, SCH. MED. HOPKINS, 51-55, asst. prof. med. psychol, 55-57, MED. PSYCHOL. & PEDIAT, 57-59, ASSOC. PROF, 59- Vis. lectr, Bryn Mawr Col, 52-63. Mem. bd. dir, Sex Info. Coun. U.S. 65-; Erickson Ed. Found, 67-; task force homosexuality, Nat. Inst. Ment. Health, 67- Hofheimer prize, Am. Psychiat. Asn, 56; Gold Medal award, Children's Hosp. Phila, 66. Soc. Sci. Study Sex; Psychopath. Asn. Hormones and personality; psychology of hermaphroditism; sexual injuries; endocrine and metabolic abnormalities; chromosome aberrations; transexualism; behavior genetics. Publ: Sex research: new developments, Holt, 65; The disabled reader, 66 & Sex errors of body, 68, Johns Hopkins. Address: Johns Hopkins Hospital, Baltimore, Md. 21205.

MONHOLLON, DR. JIMMIE R(AY), b. Hobbs, N.Mex, Mar. 26, 33; m. 54; c. 4. ECONOMICS. B.A. Wayland Baptist Col, 55; M.A. Wyoming, 56; Ph.D. (econ), Vanderbilt, 64. Assoc. economist, FED. RESERVE BANK RICHMOND, 61-64, economist, 64-65, ASST. V.PRES, 65- U.S.A., 56-58. Econ. Asn; Finance Asn. Inventory cycles; relationship between monetary and fiscal policy in achieving full employment equilibrium. Publ: The Farmers Home Administration and rural poverty in the South, South. Econ. J, 10/65; Manufacturers' inventory investment and monetary policy, In: Staff economic studies, Bd. Gov. Fed. Reserve Syst, 65; Monetary policy during the longest expansion, In: Monetary problems of the early 1960's: review and appraisal, Ga. State Col, 67. Address: Federal Reserve Bank of Richmond, Ninth & Franklin Sts, Richmond, Va. 23219.

MONK, DR. MARY A(LICE), Soc. Psychol, see 10th Soc. & Behav. Vols.

MONKMAN, DR. JOHN A(LEXANDER), b. New York, N.Y., Feb. 10, 31; m. 57; c. 3. CLINICAL PSYCHOLOGY. A.B. Brown, 52; M.S. Yale, 54; Ph.D. Illinois, 58. Clin. counsr, student counseling serv, Illinois, 57-58; staff clin. psychologist, Escambia County Guid. Clin, 58-61, chief clin. psychologist, 61-65; clin. counsr, student counseling serv, Illinois, 65-66; sr. psychologist, ADLER ZONE CENTER, 66-67, PROG. DIR. SZS, 67- Psychol. Asn. Psychodiagnosis and psychotherapy with children and adults. Publ: Co-auth, Relation between fear and exploratory behavior, J. Comp. & Physiol. Psychol; Test for both the specific and general effects of infantile stimulation with shock in the mouse, J. Abnorm. Soc. Psychol. Address: 1814 Augusta Court, Champaign, Ill. 61820.

MONNIER, DR. CHARLES M(ARTIN), b. Oriskany, N.Y., Aug. 5, 14; m. 49; c. 2. SOCIAL PSYCHOLOGY. B.S. Cornell, 38; M.A. Hopkins, 49; Ph.D. (rhetoric, pub. address, soc. psychol), Wisconsin, 58. Teacher, high schs, Wis, 46-47; jr. instr. bus. Eng, Hopkins, 47-48; instr. speech, exten. div, Wisconsin, 48-51, pub. speaking, 53-56, asst. univ, 51-53, forensic coach, 53-54, instr. pub. speaking, sch. for workers, 52-56, lectr, 53-54; asst. prof. SPEECH, PURDUE, INDIANAPOLIS, 57-63, ASSOC. PROF, 63- Adv. personnel training prog, Community Hosp, Indianapolis, 58-64. U.S.A., 44-46, Sgt. Speech Asn. Rhetoric and public address; adult speech education; drama; public relations for the school. Publ: Persuasion in the 1953 Wisconsin State Legislature, Speech Monogr. Address: 3843 N. Audubon Rd, Indianapolis, Ind. 46226.

MONROE, PROF. D(AVID) G(EETING), b. Cleveland, Ohio, May 4, 02. POLITICAL SCIENCE. LL.B. Baldwin-Wallace Col, 26; Ph.B. Chicago, 30, scholar, 31-33; fel, Northwestern, 35-38, Ph.D. 40. Dir. res, traffic inst, Northwestern, 37-47; from assoc. prof. to PROF. POLIT. SCI, NORTH CAROLINA, 47- Consult, civil affairs training schs, Ft. Sam Houston, Chicago, Northwestern, Wisconsin & Western Reserve, 40-44; N.C. consult, Kirschner Assocs, N.Mex, 67- Ed. J. Police Sci. Polit. Sci. Asn. American government; constitutional and administrative law; survey of North Carolina Department of Labor. Publ: Co-auth, Wickersham Commission; City manager government in seven cities; auth, State and local government in the United States, exten. div, Univ. North Carolina, 67. Address: Dept. of Political Science, 204 Caldwell Hall, University of North Carolina, Chapel Hill, N.C. 27514.

MONROE, JOHN, Statist, Econ, see 10th ed, Soc. & Behav. Vols.

MONROE, DR. LAWRENCE J(OHN), b. Oconomowoc, Wis, Mar. 24, 33; m. 53; c. 3. PSYCHOLOGY. B.A. Wichita, 55; U.S. Pub. Health Serv. fel. & M.A. Kansas, 61; U.S. Pub. Health Serv. fel. & Ph.D. (psychol), Chicago, 65. ASST. PROF. PSYCHOL, COL. MED, ILLINOIS, 65- Am. Philos. Soc. Daland fel, 68-71. U.S.A., 53-55. Psychol. Asn; Asn. Psychophysiol. Study Sleep. Psychology and physiology of sleep and dreams; insomnia; altered states of consciousness. Publ: Psychological and physiological differences between good and poor sleepers, J. Abnorm. Psychol, 67; co-auth, Individual differences in response to REM deprivation, Arch. Gen. Psychiat, 67; auth, Inter-rater reliability and role of experience in scoring EEG sleep records, Psychophysiology, 68. Address: 9351 S. Pleasant Ave, Chicago, Ill. 60620.

MONROE, PROF. ROBERT JAMES, Statist, see 11th ed, Phys. & Biol. Vols.

MONROE, DR. RUSSELL R(ONALD), Med, see 11th ed, Phys. & Biol. Vols.

MONSEES, CARL HENRY, b. Savannah, Ga, Sept. 12, 99; m. 40; c. 1. PUBLIC ADMINISTRATION. A.B. Roanoke Col, 22; A.M. Pennsylvania, 25; Lutheran Theol. Sem, 25; American Univ, 35-38. Instr. sociol, Pennsylvania, 25-26; dir. res. & exten, Del-Va. Asn. Md, 26-28; v-pres, South Ocean City Develop. Co, 28-29; exec. v-pres, Jackson, Monsees & Whealon, 30-33; investment & bus. counsr, 33-34; asst. dep. adminstr, Nat. Recovery Admin, 34-36; admin. officer, Farm Security Admin, 36-39; field consult, Nat. Asn. Housing Officials, 39-40; exec. asst. to Nat. Defense Housing Coordinator, 40-42; ind. dust. adv. off. indust. adv. cmts, War Prod. Bd, 42, spec. asst. to chmn, 45; dir. adv. cmt. & consult, War Assets Admin, 47; staff dir. govt. opera. sub-

- cmt, House Cmt. on Expenditures, 47-49; dir. prog. coord. Off. Price Stabilization, 50-51; consult. to dir. personnel, U.S. Dept. Commerce, 52-55; private indust., 52-55; mgt. analyst, Off. Adminstr., Civil Aeronaut. Admin., chief mgt. anal. br., flight standards serv. & exec. officer, Off. Aviation Med., Fed. Aviation Agency, 55-65; RETIRED. U.S.A. 18, 2nd Lt. Soc. Pub. Admin.; Soc. Adv. Mt. Executive management. Publ: Industry-government cooperation. Address: 6212 Crathie Lane, Bethesda, Md. 20016.
- MONSEN, PROF. R. JOSEPH, b. Payson, Utah, Mar. 13, 31; m. 59. ECONOMICS. B.S. Utah, 53; M.A. Stanford, 54; Ph.D. California, 60. Asst. prof. econ., Brigham Young, 60-63; assoc. prof. BUS, GOVT. & SOC., GRAD. BUS. SCH., WASHINGTON (SEATTLE), 63-66, PROF., 66-, COORDINATOR RES., 65-, acting chmn. dept. bus. govt. & soc., 67-68. Business and society; theory of the firm; comparative economic systems. Publ: Auth. Modern American capitalism, 63 & co-auth. & ed, The business world, 67, Houghton; co-auth, The makers of public policy, McGraw, 65. Address: Graduate School of Business, University of Washington, Seattle, Wash. 98105.
- MONSEN, DR. SVERRE HENRY, b. Bergen, Norway, July 9, 28; m. 58; c. 2. SOCIOLOGY. B.A. Fla. State, 57; M.A. California, Los Angeles, 59; Nat. Inst. Ment. Health fel. & Ph.D. (sociol.), Texas, 67. ASST. PROF. SOCIOL., HOUSTON, 62-64; coord. coordinator & consult, Greater Houston Action Youth Planning Grant, 62-64; U.S. Dept. Labor res. consult, 64-65; res. dir. & consult, Episcopal Covenant Parish, Houston, 65-66; res. consult, St. Luke's Methodist Church, Houston, 67. Sociol. Asn. Research methodology; theory construction and verification; urban and political sociology; cross cultural comparative analysis. Publ: Co-auth, The failure of an incipient social movement, Pac. Sociol. Rev., 60. Address: Dept. of Sociology, University of Houston, Houston, Tex. 77004.
- MONSERUD, PROF. HELEN J(ANE), b. Waubay, S.Dak, July 25, 04. SOCIOLOGY. B.A. Minnesota, 30, M.A., 47; B.A. North. State Teachers Col., 45; summer, Oslo, 55. Prin. high sch., S.Dak, 42-43, teacher, 44-47; WILLIAM LARRABEE PROF. SOCIOL., UPPER IOWA, 48- Sociol. Asn.; Acad. Polit. & Soc. Sci. Intercultural and interracial relations and cultural anthropology, especially in relation to the American Indian. Address: 403 Union, Fayette, Iowa 52142.
- MONSMA, DR. STEPHEN V(OS), b. Pella, Iowa, Sept. 22, 36; m. 64; c. 1. POLITICAL SCIENCE. A.B. Calvin Col., 58; M.A. Georgetown, 61; Ph.D. (polit. sci.), Mich. State, 65. Instr. POLIT. SCI., State Univ. N.Y. Col. Plattsburgh, 64-65, ASST. PROF., 65-67; CALVIN COL., 67- Polit. Sci. Asn. Research methodology and theory; legislative behavior, especially informal interaction and role behavior within legislative systems; public opinions and voting, especially as they relate to political decision-making. Publ: Co-auth, Correlates of legislative voting: Michigan House of Representatives, 1954-1961, 11/62 & auth, Interpersonal relations in the legislative system: a study of the 1964 Michigan House of Representatives, 8/68, Midwest J. Polit. Sci. Address: Dept. of Political Science, Calvin College, Grand Rapids, Mich. 49506.
- MONSON, DR. DIANE, b. Washington, D.C., Feb. 7, 37. POLITICAL SCIENCE. A.B. Radcliffe Col., 58; M.A. N.Y. Univ., 59, Ph.D. (govt.), 63. Teaching asst. & instr. POLIT. SCI., N.Y. Univ., 61-63; instr. Conn. Col., 63-64; asst. prof., Brigham Young, 64-67; RES. FEL., YALE, 67- Summers, legis. analyst, U.S. Bur. Budget, 63, vis. asst. prof., Calgary, 67. Comparative government and international relations; presidential leadership in crisis; European integration. Publ: Dawn of machine translation, Am. Behav. Scientist, 9/60; The strategy of conflict, Brigham Young Univ. Studies, winter 66. Address: 174 E. Lane, Stamford; Conn. 06905.
- MONSON, PROF. WELDON P., b. Preston, Idaho, Sept. 22, 05; m. 31; c. 1. POLITICAL SCIENCE, LAW. B.S. Brigham Young, 31; LL.B. Georgetown, 34, J.D., 36. Litigation attorney, Nat. Labor Rels. Act, Nat. Labor Rels. Bd., 37-41; spec. attorney, antitrust div., U.S. Dept. Justice, 41-42; indust. rels. attorney, airplane div., Curtiss-Wright Corp., 42-44; sr. assoc. Davies, Auerbach, Cornell & Hardy, N.Y., 44-45; dir. indust. rels., Yale & Towne Mfg. Co., 45-50; mgt. consult, Booz, Allen & Hamilton, N.Y., 50-51; dir. indust. rels., Cities Serv. Oil Co., 51-52; v.pres. indust. rels., Am. Bosch-Arma, 52-53; SR. PROF. INDUST. RELS. & FACULTY ADV. TO INT. STUDENTS, GRAD. SCH. BUS. ADMIN., N.Y. UNIV. 53- Vis. lectr., Rome, Baghdad, Delhi, Sydney & Victoria, N.Z. & Nat. Inst. Mgt. Develop., Cairo, Egypt, 65; mgt. groups, N.S. Eng., Ireland, Scotland, India, Mex. & Univ. Puerto Rico, 65; vis. prof., Bristol Col. Sci. & Tech. & London Sch. Econ., 66. Industrial relations and management; national labor policy; personnel administration; labor relations; human resources. Publ: The challenge of industrial relations, Intemec, Eng., 66-67; Comparative systems: India vis a vis U.S., Bombay Labour J., 12/67; The case of Rookes v. Barnard (House of Lords 1964) its implications in Anglo-American industrial relations and juridical thought, Labor & Law J., 1/68 & Commerce Clearing House, 68. Address: New York University Graduate School of Business Administration, 100 Trinity Place, New York, N.Y. 10006.
- MONTAG, PROF. RICHARD V(ARLEY), b. Columbus, Ohio, Nov. 10, 27; m. 52; c. 2. POLITICAL SCIENCE. A.B. St. Charles Borromeo Sem., 49; M.A. Ohio State, 52; Cincinnati, 56-57. Instr. hist. & polit. sci., Col. Mt. St. Joseph, 55-58; asst. prof. POLIT. SCI., St. Mary's Col., 58-61; from asst. prof. to ASSOC. PROF., NAVAL POSTGRAD. SCH., 61- U.S.N.R., 52-55, 61-, Lt. Comdr. Polit. Sci. Asn.; Acad. Polit. & Soc. Sci. Political theory and philosophy; evolution of political concepts, their relevance to political reality during their development; the formation of concepts and norms adequate to the political phenomena and problems of the technological era. Address: Dept. of Government & Humanities, Naval Postgraduate School, Monterey, Calif. 93940.
- MONTAGU, DR. MONTAGUE FRANCIS ASHLEY, b. London, Eng., June 28, 05; nat; m. 31; c. 3. PHYSICAL & CULTURAL ANTHROPOLOGY. Univ. Col., London, 22-25; Florence, 28-29; Ph.D. (anthrop.), Columbia, 37; hon. D.Sc., Grinnell Col., 67. With res. dept. vert. paleont., Am. Mus. Nat. Hist., 27-28; instr. royal acad. ethnol. & anthrop., Univ. Florence, 28-29; curator phys. anthrop., Wellcome Inst. Med. Mus., London, 29-30; lectr., New Sch. Soc. Res., 31-32; anthropologist, col. dent., N.Y. Univ., 31-33, asst. prof. anat., 31-38, lectr. phys. anthrop. & anat., grad. sch., 34-38; assoc. prof. anat., Hahemann Med. Col. & Hosp., 38-49; prof. anthrop. & chmn. dept., Rutgers, 49-55; WRITER, 55- Lectr., New Sch. Soc. Res., 38-; vis. lectr., Harvard, 45; regents prof., California, 62. Consult., UNESCO, 39- Leader, Swanscombe Exped., 48. Morris Chaim prize & medal, 34; Chicago Forum Prize, 36. AAAS; Asn. Phys. Anthropol.; Asn. Anat.; Hist. Sci. Soc.; Soc. Res. Child Develop.; fel. Acad. Psychosom. Med.; Royal Soc. Med. Publ: Prenatal influences; Human heredity; Introduction to physical anthropology, 3rd ed. Address: 321 Cherry Hill Rd., Princeton, N.J. 08540.
- MONTAGUE, PROF. JOEL B(ENJAMIN), JR., b. Edgerton, Mo., July 17, 12; m. 41; c. 2. SOCIOLOGY. B.S. Cent. Mo. State Col., 35; A.M. Colo. State Col. Ed., 38; Ph.D. Mich. State, 47; London Sch. Econ., 50-51. Camp ed. adv., Civilian Conserv. Corps, 38-40; asst. Mich. State, 40-42; instr. SOCIOL., Tennessee, 46; from asst. prof. to PROF., WASHINGTON STATE, 46-, CHMN. DEPT., 67- Vis. prof., New South Wales, 64. Mem. gov. expenditures adv. coun., State of Wash. U.S.N., 42-45. Sociol. Asn.; Brit. Sociol. Asn. Social stratification; national character; medical sociology; professionalism among American, English and Australian physicians. Publ: Class and nationality: English and American studies, Col. & Univ., 63; Physicians in three societies and other papers in medical sociology, Washington State Univ., 67. Address: Dept. of Sociology, Washington State University, Pullman, Wash. 99163.
- MONTAGUE, DR. JOHN TAIT, b. Halifax, N.S., Sept. 27, 20; m. 48; c. 1. LABOR ECONOMICS. B.A., Western Ontario, 43; M.A., Toronto, 47, Ph.D. (labor econ), 52. Asst. to co. economist, Can. Indus. Ltd., 43-45; lectr. econ., Toronto, 46; asst. to dir. econ. & res. br., Dept. Labour, Ottawa, 48-62; PROF. ECON. & DIR. INST. INDUST. RELS., BRITISH COLUMBIA, 62- Spec. lectr., Carleton, 48-51. Can. Polit. Sci. Asn.; Indust. Rels. Res. Asn.; Can. Indust. Rels. Res. Inst. (secy-treas., 67-). Role of extra-bargaining activities of labour and management in industrial relations in Canada; integration of theoretical and institutional studies of the labour market; Canadian labour economics. Publ: Co-auth, A study of labour market adjustment, Univ. British Columbia, 66 & Effective industrial relations policies in a developing economy, In: Exploiting our economic potential, Holt, 68. Address: Dept. of Economics, University of British Columbia, Vancouver 8, B.C., Can.
- MONTAGUE, DR. WILLIAM E(DWARD), b. New York, N.Y., July 26, 31; m. 55; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A., Lafayette Col., 53; M.A., Virginia, 56, Ph.D., 59. Asst. psychol., Virginia, 53-57, asst. prof., Mary Washington Col., 57-58; psychologist, U.S. Navy Electronics Lab., 58-63; asst. prof. PSYCHOL., ILLINOIS, URBANA, 63-65, ASSOC. PROF., 65- AAAS; Psychol. Asn.; Psychonomic Soc. Human verbal learning and memory; communication; computer-aided instruction; man in the sea; human factors. Publ: Co-auth, Effects of signal and response complexity on 18 hours of visual monitoring, Human Factors, 1: 163-172, Forgetting and natural language mediation, J. Exp. Psychol., 72: 829-833 & Retroactive inhibition and natural language mediation, J. Verbal Learning & Verbal Behav., 6: 528-535. Address: Dept. of Psychology, University of Illinois, Urbana, Ill. 61801.
- MONTANA, DR. PATRICK J., b. New York, N.Y., Mar. 17, 37; m. 64. MARKETING, MANAGEMENT. B.S. Long Island, 58, M.S., 59; Joseph Kolodny grant, N.Y. Univ., 59-60, Ford Found. fel., 63-64, Ph.D. (mkt), 66. Assoc. prof. mgt. & mkt. & asst. dean col. bus. admin., Long Island, 60-65; assoc. prof. mkt., Drexel Inst., 66-67; ASST. DEAN GRAD. SCH. BUS. ADMIN., N.Y. UNIV., 67- Guest lectr., mgt. sch., Int. Bus. Mach. Corp., 64-65; Cong. Int. Progress Mgt., 65. Soc. Adv. Mgt.; Soc. Training Dirs. Executive development in marketing; application of behavioral sciences to marketing executive development; manpower management in marketing. Publ: The marketing executive of the future, Am. Mgt. Asn., 67; Employing the foreign student, Personnel J., 1/64; Striking teachers, welfare, transit and sanitation workers—a look at the law affecting public employees in New York, Labor Law J., 5/68. Address: Graduate School of Business Administration, New York University, 100 Trinity Place, New York, N.Y. 10006.
- MONTAVON, DR. PAUL A(LOYSIUS), b. Lima, Peru, July 22, 20; U.S. citizen; m. 48; c. 9. ECONOMICS. St. Charles Col. (Md.), 38-40; St. Mary Sem. (Ohio), 40-42; A.M. Catholic Univ., 47, Ph.D., 49. Asst. prof. econ., Quincy Col., 49-52; Notre Dame, 52-55, assoc. prof., 55-65; economic adv., Mission to Ecuador, AGENCY INT. DEVELOP., 65-67, DEP. ASST. DIR. DEVELOP. PLANNING, MISSION TO BRAZIL, 67- Smith-Mundt lectr., Venezuela, 60-61. U.S.N., 43-46. Econ. Asn. Economic theory; economic development; monetary and fiscal policy. Publ: Economic and social philosophy of John Mitchell, 1870-1919; Inflation control and political considerations, Rev. Polit.; co-auth, Economic aspects of social life. Address: U.S. Agency for International Development/Rio de Janeiro, c/o American Embassy, APO New York 09676.
- MONTEITH, DR. CHALMERS A(LEXANDER), b. Allegan, Mich., Apr. 14, 22; m. 57; c. 3. ECONOMICS. B.S. Miami (Ohio), 47; M.A. Ohio State, 48, Ph.D., 58. Asst. econ., Ohio State, 47-50, asst. instr., 50-53, instr., 53-58; asst. prof. indust. prod. col. bus. admin., KENT STATE, 58-63, ASSOC. PROF., 63-66; ECON., 66- Statistician, div. res. & statist., State Dept. Taxation, Ohio, 52-56. U.S.A., 42-46. Econ. Asn.; Statist. Asn.; Econ. Hist. Asn. Public finance; statistics; economic history. Address: Dept. of Statistics, Kent State University, Kent, Ohio 44240.
- MONTPELL, DEAN WILLIAM LYNWOOD, Hist., Folklore, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MONTGOMERY, BETTY B(ROYLES), b. Cincinnati, Ohio, Mar. 31, 21; m. 50; c. 2. CHILD PSYCHOLOGY. A.B. Cincinnati, 41, M.A., 44; Cincinnati, 57-60; Miami (Ohio), 61-62. Investr. mkt. res., Procter & Gamble Co., 41-43; asst. child care lab., Cincinnati, 43-44; dir. Riverside Child Care Center, Cleveland Bd. Ed., 44-45; res. assoc. psychol., Audience Res. Inc., 45-46; dir. Williamsburg Day Care Center, Jewish Associated Neighborhood Centers, 46; Pre-Sch. Center, Parent-Coop, Md., 48-50; instr. child develop., Cincinnati, 51-52; dir. childrens & family agency, Norwood Serv. League, Inc., 52; con-

sult. div. soc. admin, State Dept. Pub. Welfare, Ohio, 53-66; REGIONAL TRAINING DIR. HEAD START, OHIO UNIV, 66- Mem. U.S. Nat. Cmt. Early Childhood Ed. Orgn. Mondiale Pour L'education Prescolaire, 66- AAAS; Psychol. Asn. Evaluation of day care services for young children; achievement motivation in response to environmental stimuli in the preschool child particularly from aid to dependent children families. Publ: Transl, Time, fourth dimension of the mind, Harcourt, 66; Use of a day care center for children of families receiving aid to dependent children: an exploratory study. Address: 3414 Telford St, Apt. 1, Cincinnati, Ohio 45220.

MONTGOMERY, DR. DAVID B, b. Fargo, N.Dak, Apr. 30, 38; m. 60; c. 2. MANAGEMENT SCIENCE, MARKETING. B.S. Stanford, 60, M.B.A. 62, M.S. 64, Ph.D.(mgt), 66. ASST. PROF. MGT, SLOAN SCH. MGT, MASS. INST. TECH, 65- Inst. Mgt. Sci; Statist. Asn; Economet. Soc. Models of behavior, particularly consumer behavior; research methods and measurement; management science applications in marketing. Publ: Co-auth, Management science models in marketing, 69 & Applications of management science in marketing, 69, Prentice-Hall; co-auth, Stochastic models of consumer behavior, Mass. Inst. Tech, spring 69. Address: Sloan School of Management, Massachusetts Institute of Technology, 50 Memorial Dr, Cambridge, Mass. 02139.

MONTGOMERY, PROF. GEORGE, b. Sabetha, Kans, June 5, 02; m. 38; c. 2. AGRICULTURAL ECONOMICS. B.S. Kans. State Col, 25, M.S. 27; Wisconsin, 31; Harvard, 34-35; Chicago, 35; Ph.D. Minnesota, 54. Mkt. specialist, Kans. Exten. Serv, 28-30; asst. prof. agr. econ, KANSAS STATE, 30-38, assoc. prof, 38-41. PROF. ECON. & SOCIOL, 41-, CHIEF PARTY, TECH. COOP. MISSION PROG. TO INDIA, 60-, DIR. S.A.SIA LANG. & AREA CENTER, 67-, head dept. econ. & sociol, univ, 47-60. With Off. Price Admin; consult, U.S. Agency Int. Develop. Surv. Team. Agr. Ed, Indonesia, 66. Econ. Asn; Agr. Econ. Asn; Mkt. Asn; Indian Soc. Agr. Econ. Marketing agricultural prices. Address: Dept. of Agricultural Economics, Kansas State University, Manhattan, Kans. 66502.

MONTGOMERY, DR. GERTRUDE EILEENE TEW, b. Lake Odessa, Mich; m. 52; c. 3. PSYCHOLOGY, COUNSELING. A.B. Western Michigan, 41; M.A. Michigan, 48; Ed.D. Mich. State, 55. Teacher & counsr, pub. schs, Mich, 41-47; counsr, psychologist & instr, Mich. State, 47-53; counseling psychologist, Wayne State, 53-57; supv. psychologist, Merrill Palmer Inst, 57-62; CONSULT. PSYCHOLOGIST, 62- Instr. psychologist, Summer Camp Underprivileged Children, 53-63; lectr. & counselor, summer workshop, Univ. Michigan, 55-63. Fel. Int. Coun. Psychol; Psychol. Asn; Asn. Marriage Counsr. Interaction of therapist and single client or groups; influence, learning transmitted and evaluation. Publ: Source book-effective living classes; What adolescents convey to an examiner; Remedial services of basic college. Address: 5311 Forest Way, Bloomfield Hills, Mich. 48013.

MONTGOMERY, PROF. HORACE, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MONTGOMERY, PROF. JAMES E(LMER), b. Tenn, Oct. 15, 13; m. 41; c. 2. SOCIOLOGY. B.A. Maryville Col, 40; M.A. Vanderbilt, 41, Rosenwald fel, 42-43, Ph.D.(sociol), 44; summer, Wisconsin, 42. Soc. sci. analyst, bur. agr. econ, U.S. Dept. Agr, 43-46; asst. regional economist, Fed. Pub. Housing Authority, 46-47; assoc. prof. sociol, Okla. Agr. & Mech. Col, 47-49; housing & design, Cornell, 49-56; Fulbright res. scholar, Netherlands, 56; head dept. housing & interior design, Okla. State, 57-59; PROF. family housing & home art & head div, Pa. State, 59-63; HOUSING & GERONT, Fla. State, 63-67; VA. POLYTECH, 67-, vis. scholar, spring, 67. Soc. Sci. Res. Coun. fel, 49; vis. scholar, East Carolina Univ, Campbell Col. & St. Augustine's Col, 68. Sociol. Asn; Mkt. Asn; Rural Sociol. Soc. Housing; social gerontology; social change in communities. Publ: Social characteristics of the aged in a small Pennsylvania community, Pa. State Univ, 65; Chap. In: Patterns of living and housing of middle aged and older people, Dept. Health, Ed. & Welfare, 66; Chap. In: Older rural Americans, Univ. Kentucky, 67. Address: College of Home Economics, Virginia Polytechnic Institute, Blacksburg, Va. 24061.

MONTGOMERY, DR. JOHN D(ICKY), b. Ill, Feb. 15, 20; m. 54; c. 3. POLITICAL SCIENCE. A.B. Kalamazoo Col, 41, M.A. 42, LL.D. 62; M.A. Harvard, 48, Ph.D.(polit. sci), 51. Dean faculty & chmn. dept. govt. & law, Babson Inst. Bus. Admin, 46-57, dir. student activities, 46-52, asst. to pres, 52-54; head acad. instr, Viet Nam Proj, Mich. State, 57-59; fel, Coun. For. Rel, 59-60; res. prof. govt. & dir. center develop. res. & training, African Studies Prog, Boston, 60-63; PROF. PUB. ADMIN, HARVARD, 63- Mem. sr. staff & consult, opers. res. off, Hopkins, 51-; Guggenheim fel, 55-56. Consult. & mem. res. adv. cmt, U.S. Agency Int. Develop, 63-; consult, Am. Inst. Res, 64-; Ford Found, 65-66; U.S. Dept. Health Ed. & Welfare, 67-68. Chmn. develop. admin. seminar, Southeast Asia Develop. Adv. Group, 66- U.S.A. 42-46. Polit. Sci. Asn; Soc. Polit. & Legal Philos; Opers. Res. Soc. Impact of foreign aid operations on foreign governments and societies; international political comparative government; conduct of United States foreign policy; political development. Publ: Politics of foreign aid; Forced to be free; Foreign aid in international politics, Prentice-Hall, 67. Address: 33 Whitney Rd, Newtonville, Mass. 02160.

MONTGOMERY, PROF. JOHN R(ICHARD), Speech Pathol, see 11th ed, Phys. & Biol. Vols.

MONTGOMERY, DR. KINGSLEY, b. Mt. Pleasant, Mich, Dec. 22, 17; m. 53; c. 3. EDUCATIONAL PSYCHOLOGY. A.B. Western Michigan, 40; M.A. Mich. State, 49, Ed.D. 55. Counsr, Mich. State, 49-50; psychol. warfare, U.S. Army, 51-53; ed. supvr, Chrysler Corp, Mich, 53-55; sch. psychologist, pub. schs, Mich, 55-61; ed. coordinator, Oakland County Juvenile Court, 61-63; ASST. SUPT. SPEC. SERV, WATERFORD BD. ED, 64- Counseling. Address: 5311 Forest Way, Bloomfield Hills, Mich. 48013.

MONTGOMERY, PROF. R(OBERT) H(ARGROVE), b. Blanco, Tex, Jan. 9, 93; m. 23. ECONOMICS, MATHEMATICS. B.A. Kansas, 21; M.A. Texas, 23; Walden-Beard fel, Brookings Inst, 25-26, Ph.D. 26. Asst. prof. ECON, Kansas, 20-22; TEXAS, AUSTIN, 22-25, assoc. prof, 26-28, prof, 28-65,

EMER. PROF, 65- Spellman Rockefeller fel, 28-30; univ. fel, Texas, 34; summers, prof, Pennsylvania, 25, Pittsburgh, 28, North Texas State, 32, 34, Washington State, 36. Mem. Fed. Planning Div, 35-36. U.S.A. 17-19. Econ. Asn; Polit. Sci. Asn; Newcomen Soc; Royal Econ. Soc. Law of public purpose; a uniform code of public utility laws; the impact of science on culture. Publ: A model state public utility code; The brimstone game; Cooperative pattern in cotton. Address: Route 2, Box 209M, Spring Lake Hills, San Marcos, Tex. 78666.

MONTGOMERY, PROF. ROYAL E(WERT), Labor Econ, see 10th ed, Soc. & Behav. Vols.

MONTGOMERY, DR. SARAH S(OUTHWORTH), b. New York, N.Y, July 10, 30. ECONOMICS. A.B. Vassar Col, 51; M.A. Columbia, 52; Ph.D. Wisconsin, 60. Instr. ECON, Middlebury Col, 55-58; MT. HOLYOKE COL, 58-59, from asst. prof. to ASSOC. PROF, 59- Ford Found. summer fel, Mass. Inst. Tech, 61. Econ. Asn. Address: Dept. of Economics & Sociology, Mt. Holyoke College, South Hadley, Mass. 01075.

MONTGOMERY, PROF. VICTOR E(RNEST), b. Filbert, W.Va, Dec. 23, 22; m. 45; c. 3. EXPERIMENTAL PSYCHOLOGY. A.B. Duke, 48; M.S. State Col. Wash, 49; Ph.D.(psychol), Northwestern, 52. Res. psychologist, Human Resources Res. Center, Lackland Air Force Base, Tex, 52-53, res. coordinator, perceptual & motor skills res. lab, 53-54, resident rep, spec. weapons center, Kirtland Air Force Base, N.Mex, 54-55, chief, personnel requirements sect, flight systs. br, maintenance res. lab, Lowry Air Force Base, Colo, 55-57; res. specialist PSYCHOL, human factors staff, Boeing Co, 57-61; asst. prof, Redlands, 61-63; assoc. prof. PSYCHOL, IDAHO, 63-65, PROF. & HEAD DEPT, 65- Human factors consult, Res. & Eng. Consults, 61- U.S.N. 43-46. Psychol. Asn; Astronaut. Soc. Applied experimental psychology; operational research; systems analysis; experimental designs; anxiety and learning. Address: Dept. of Psychology, University of Idaho, Moscow, Idaho 83843.

MONTGOMERY, PROF. V(INCENT) E(VERETT), b. Yankton, S.Dak, Sept. 1, 16; m. 42; c. 3. ECONOMICS. B.S. Iowa State Col, 39; M.A. South Dakota, 47. Prof. soc. sci, South. State Teachers Col, 40-43; from prof. statist. to PROF. BUS. RES. & DIR. BUS. RES. BUR. SOUTH DAKOTA, 43- Statist. Asn. Marketing. Publ: Tourist travel in South Dakota; series of pubs. on S.Dak. economy. Address: Business Research Bureau, University of South Dakota, Vermillion, S.Dak. 57069.

MONTIAS, DR. JOHN MICHAEL, b. Paris, France, Oct. 3, 28; nat; m. 50. ECONOMICS. B.A. Columbia, 47, M.A. 50, cert, Russian Inst, 50, Ford Found. fels, 56-58, Ph.D. 58. Econ. officer, UN, 50-53; asst. prof. ECON, YALE, 58-64, PROF, 64- Guggenheim Mem. Found. fel, 61-62. Econ. Asn; Economet. Soc; Asn. Adv. Slavic Studies. Organization of Soviet type economies, especially Eastern Europe; central planning; the economics of development. Publ: Central planning in Poland; Economic development in Communist Rumania; Balanced growth: a diagrammatic representation, Oxford Econ. Papers. Address: Dept. of Economics, Yale University, New Haven, Conn. 06520.

MONTICONE, RONALD CHARLES, b. Pittsburgh, Pa, Nov. 17, 37; m. 67. POLITICAL SCIENCE. B.A. Maryland, 59, fel. & M.A. 62; Ph.D.(govt. int. rels), N.Y. Univ, 65. ASST. PROF. GOVT, QUEENSBOROUGH COMMUNITY COL, 65- Summer res. fel, State Univ. N.Y., 68. Polit. Sci. Asn. Research in the Soviet and East European area. Publ: The Catholic church in Poland, 1945-1966, Vol. XI, No. 4, & Nationalism in the Austro-Hungarian empire, Vol. XIII, No. 1, Polish Rev. Address: Dept. of Government, Queensborough Community College, Springfield Blvd, Bayside, N.Y. 11364.

MONTY, DR. RICHARD A(RTHUR), b. Sanford, Maine, Apr. 2, 35; m. 65. EXPERIMENTAL PSYCHOLOGY. A.B. Boston, 56; A.M. Columbia, 57; Ph.D.(exp. psychol), Rochester, 61. Res. asst. exp. psychol, U.S. Army Leadership Human Res. Unit, 57-59; teaching asst, Rochester, 59-61; eng. psychologist, missile & space vehicle dept, Gen. Elec. Co, 61-62; res. psychologist, Cornell Aeronaut. Labs, 62-65; TEAM LEADER MEMORY & PERCEPTION, BEHAV. RES. DIV, U.S. ARMY HUMAN ENG. LAB, 65- Res. assoc, State Univ. N.Y. Buffalo, 63-65; adj. prof, Delaware, 66- U.S.A. 57-59. Human Factors Soc; Psychol. Asn; Psychonomic Soc. Vision; perception; short-term memory; learning; vigilance; stress; man-in-space; sensory deprivation; statistics; operant conditioning; tracking performance. Publ: Effects of post detection response complexity on subsequent monitoring behavior, Human Factors, 62; co-auth, Keeping track of sequential events, 65 & Pacing of rehearsal in sequential short-term memory, 67, J. Exp. Psychol. Address: Behavioral Research Division, U.S. Army Human Engineering Lab, Aberdeen Proving Ground, Md. 21005.

MONYPENNY, PROF. PHILLIP, b. Montreal, Que, Jan. 23, 14; nat; m. 40; c. 2. POLITICAL SCIENCE. A.B. Washington (St. Louis), 36, M.A. 37; Ph.D. Minnesota, 42. Instr. govt, City Col. New York, 40-43; asst. prof. polit. sci, ILLINOIS, URBANA, 47-53, assoc. prof, 53, PROF, 53-67, POLIT. SCI, GOVT. & PUB. AFFAIRS, 67- Vis. prof, Puerto Rico, 46-47; dir. surv. library functions of the states, Am. Library Assn, 61-65. U.S.A. 43-46. Acad. Polit. & Soc. Sci; Soc. Pub. Admin. Public administration and policy formation; inter-governmental relations and politics of grants-in-aid. Publ: Political science and the study of groups, West. Polit. Sci. Quart; The library functions of the states, Am. Library Assn, 66. Address: Dept. of Political Science, University of Illinois, Urbana, Ill. 61801.

MOOD, DR. ALEXANDER M(cFARLANE), Appl. Math, see 11th ed, Phys. & Biol. Vols.

MOODY, DR. HAMILTON MARK, b. Athol, Mass, Dec. 17, 21. PSYCHOLOGY. A.B. & M.A. Emory, 43; Pa. State, 47; Ph.D. California, Los Angeles, 50. Personnel technician, Bell Aircraft Corp, 43-45; instr, Ga. Inst. Tech, 45-47; clin. psychol. trainee, Vet. Admin, 47-50; INSTR. PSYCHOL, EXTEN. CALIFORNIA, 50- Clin. psychologist, Vet. Admin. Hosp, Long Beach, Calif, 50-62; private practice, 62- Psychotherapy; sensitivity training; leadership workshops. Address: 5596 Bayshore Walk, Long Beach, Calif. 90803.

- MOODY, DR. JOHN A(TWELL), Exp. Psychol, see 11th ed, Phys. & Biol. Vols.
- MOOK, PROF. MAURICE A(LLISON), b. Saegertown, Pa, Jan. 22, 04; m. 40; c. 3. ETHNOLOGY. B.A. Allegheny Col, 25; M.A. Northwestern, 29; Harrison fel, Pennsylvania, 39-41, Ph.D.(anthrop), 42. Instr. sociol, Pittsburgh, 29-32; asst. prof, Ohio Wesleyan, 35-36; instr. Brown, 36-38; assoc. prof, American Univ, 41-45; Missouri, 45-49; ANTHROP, PA. STATE, 49-54, PROF, 54- Civilian worker, Off. Strategic Serv, 43-44. Anthropol. Assn. Southeastern Algonkian Indians; mixed blood groups in the eastern United States; Old Order Amish of Pennsylvania. Publ: Aboriginal population of Tidewater, Virginia, Am. Anthropologist; Algonkian ethnohistory of the Carolina Sound, J. Wash. Acad. Sci; Amish and their land, Landscape. Address: Dept. of Anthropology, Pennsylvania State University, University Park, Pa. 16802.
- MOOKHERJEE, DR. DEBNATH, b. Darjeeling, India, Jan. 1, 33. GEOGRAPHY. B.S. Calcutta, 51, M.S. 53; fel. & Ph.D.(geog), Florida, 61. Lectr. GEOG, Maharaja Manindra Chandra Col, India, 55-58; asst. Florida, 58-61; asst. prof, WEST. WASH. STATE COL, 61-67, ASSOC. PROF, 67- Am. Geog. Soc. summer res. grant, 66. Asn. Am. Geog; Geog. Assn. Brit; fel. Geog. Soc. India. Urban geography; contemporary Asia; urbanization and associated problems; economic growth and development of developing countries. Publ: The concept of urban fringe and its delineation, Geog. Rev. India, 3/63; Patterns of changes in population, business establishment & sales in selected cities in Washington, Univ. Washington Bus. Rev, spring 66; co-auth, Democracy and economic progress, In: India's Democracy and the Communist challenge, Johnsen, 67. Address: Dept. of Geography, Western Washington State College, Bellingham, Wash. 98225.
- MOON, DR. JHANG SHICK, b. Seoul, Korea, Aug. 31, 30; m. 60; c. 2. POLITICAL SCIENCE. B.A. Southern Methodist, 59; M.A. Tulane, 61, Ph.D. (polit. sci), 64. Asst. prof. GOVT, MIDWESTERN, 63-66, ASSOC. PROF, 66- Nat. Sci. Found. summer fel. math. appl. polit. sci, 65. Repub. of Korea Army, 50-55, Res, 55-, Adj. Gen. Polit. Sci. Asn. Pressure group-party-legislature relational behavior. Address: Dept. of Government, Midwestern University, Wichita Falls, Tex. 76308.
- MOON, LOUIS E(DGAR), JR, b. Kansas City, Mo, Sept. 21, 28; m. 51; c. 1. BIOSTATISTICS. B.S. Wisconsin, 53, M.S. 54. Asst. psychol, Wisconsin, 53-56; lectr, McMaster, 56-57; res. assoc, Sterling-Winthrop Res. Inst., 57-61; asst. dir, off. statist. serv, State Dept. Ment. Hyg, N.Y., 61-67; DIR. STATIST. RES. & DATA PROCESSING, N.Y. STATE NARCOTIC ADDICTION CONTROL CMN, 67- Instr, Russell Sage Col, 61. U.S.A., 46-48. Narcotic addiction statistics and research; mental hygiene statistics and research. Publ: Co-auth, Alcoholic psychotic in the New York state mental hospitals, 1951-1960, Quart, J. Studies Alcohol, 12/63; First admissions and readmissions to New York state mental hospitals—a statistical evaluation, Psychiat. Quart, 7/65. Address: Bureau of Statistical Research & Data Processing, State Narcotic Addiction Control Commission, Executive Park South, Stuyvesant Plaza, Albany, N.Y. 12203.
- MOON, DR. SYNG E, b. Seoul, Korea, Sept. 29, 37. POLITICAL SCIENCE. B.A. Fla. State, 60, M.A. 62, Ph.D.(polit. sci), 68; M.A. Yale, 66. ASST. PROF. POLIT. SCI, APPALACHIAN STATE, 68- Political theory; comparative government and politics. Address: 1705 W. Pensacola St, Tallahassee, Fla. 32304.
- MOON, DR. W(ILLIAM) HAROLD, b. Columbus, Ga, Oct. 4, 31; m. 57; c. 2. PSYCHOLOGY. B.S. Auburn, 56; Ph.D.(psychol), Fla. State, 62. Psychol. intern. med. sch, Tennessee, 61-62; clin. psychologist, Lee County Ment. Health Center, 62-63; asst. prof. PSYCHOL, AUBURN, 64-67, ASSOC. PROF, 67- Vis. scientist, Delta Regional Primate Res. Center, Tulane, summer, 66. Consult, E.Ala. Comprehensive Ment. Health Center, 64-; Vet. Admin. Hosp, Tuskegee, 65 & 67-; Nat. Defense Ed. Act Inst. Spec. Ed. Teachers, summer, 67. U.S.A., 52-54. AAAS; Psychol. Asn; Geront. Soc. Psychological measurement, learning and developmental psychology; learning in the aged. Publ: Co-auth, Psychological measurements of future scientists, Psychol. Reports, 60, The ceiling of the New Stanford-Binet, J. Clin. Psychol, 61 & Problem diversity and familiarity in multiple discrimination learning by monkeys, Animal Behav, 68. Address: Dept. of Psychology, Auburn University, Auburn, Ala. 36830.
- MOONAN, DR. WILLIAM J(EANE), b. Austin, Minn, Oct. 29, 23; m. 52; c. 2. STATISTICS. B.S. Minnesota, 48, M.S. 50, Ph.D.(statist), 52. Asst. prof. statist, Minnesota, 53-54; DIR. STATIST. DEPT, U.S. NAVAL PERSONNEL RES. ACTIVITY, 54- U.S.A.F, 42-46. Statist. Asn; Asn. Comput. Mach; Inst. Math. Statist; Opers. Res. Soc. Design of experiments; multivariate analysis. Publ: On the problem of sample size for multivariate simple random sampling, Simultaneous examination and method analysis by variance algebra & Analysis of variance method for determining the external and internal consistency of an examination, J. Exp. Ed. Address: U.S. Naval Personnel Research Activity, San Diego, Calif. 92152.
- MOONEY, DR. C(RAIG) M(EDONALD), b. Lloydminster, Alta, Apr. 17, 13; m. 57; c. 2. PSYCHOLOGY. B.A. Saskatchewan, 40; M.A. McGill, 51, Ph.D.(psychol), 55. Res. scientist, Defence Res. Bd. Can, 48-61; CONSULT. PSYCHOLOGIST, MENT. HEALTH DIV, DEPT. NAT. HEALTH & WELFARE, 61- Can. Army, 40-48. Can. Psychol. Asn.(ed. Can. Psychol, 57-59). Military psychology; perceptual learning; recognition; identification; role of eye-movements in visual perception; socio-cultural aspects of corporate management. Address: Mental Health Division, Dept. of National Health & Welfare, Ottawa, Ont, Can.
- MOONEY, DR. H(ORACE) WILLIAM, b. Honolulu, Hawaii, Apr. 17, 22; m. 48; c. 3. SOCIOLOGY. B.A. California, 47; M.A. Washington (Seattle), 49; Ph.D. (sociol), Michigan, 53. Sociol. res. technician, Washington (Seattle), 48-49; asst. study dir, surv. res. center, Michigan, 49-51, res. asst. res. center. pub. econ, 52-53; assoc. res. technician, morbidity res. proj, State Dept. Pub. Health, Calif, 53-55, sr. soc. res. technician, chronic disease epidemiol. center, 55-59, res. specialist, bur. maternal & child health, 60-65; DIR. FAMILY PLANNING STUDY, SCH. PUB. HEALTH, CALIFORNIA, BERKELEY, 65- Consult, Pop. Coun. New York, 63-64. U.S.A., 43-46. Sociol. Asn; Statist. Asn; Pop. Asn; Pub. Health Asn. Survey research methodology; applied statistics; demography; application of survey techniques to research in human reproduction. Publ: Co-auth, Negro-white savings differentials and the consumption function problem, Econometrica; Methodology in two California health surveys, Pub. Health Monogr; Use of telephone interviewing to study human reproduction, Pub. Health Reports, 8/68. Address: 1537 Bonita Ave, Berkeley, Calif. 94709.
- MOONITZ, PROF. MAURICE, b. Cincinnati, Ohio, Oct. 31, 10; m. 34; c. 3. ECONOMICS. B.S. California, 33, M.S. 37, Ph.D., 41. Instr, Santa Clara, 37-42; Stanford, 42-44; acct, Arthur Andersen & Co, 44-47; PROF. ACCT, CALIFORNIA, BERKELEY, 47- Dir, Lingnan Inst. Bus. Admin, Chinese Univ. Hong Kong, 66-68. Dir. acct. res, Am. Inst. Cert. Pub. Accts, N.Y., 60-63, mem. acct. principles bd, 63-66. Econ. Asn; Am. Acct. Asn. Business organization; economic analysis. Publ: Co-auth, Accounting, an analysis of its problems; Entity theory of consolidated statements; Basic postulates of accounting, Am. Inst. Cert. Pub. Acct, 61. Address: Dept. of Business Administration, University of California, Berkeley, Calif. 94720.
- MOOR, DR. ROY E(DWARD), Econ, see 10th ed, Soc. & Behav. Vols.
- MOORE, PROF. A(LBERT) MILTON, b. Burnley, Eng, Sept. 26, 20; Can. citizen, m. 52; c. 2. ECONOMICS. B.A. Queen's (Ont), 49; M.A. Chicago, 51. Res. assoc. econ. taxation, Can. Tax Found, Ont, 51-57; economist, Can. Pulp & Paper Asn, 57-59; PROF. ECON, BRITISH COLUMBIA, 59- Res. dir, N.B. Royal Cmn. Finance & Munic. Taxation, 61-62; staff economist, Royal Can. Royal Cmn. Gasoline Price Structure, 64-65. R.C.A.F., 41-45. Am. Econ. Asn; Royal Econ. Asn; Int. Inst. Pub. Finance. Economics of public finance; measures of waste attributable to imperfect competition. Publ: Co-auth, Financing Canadian federation, 53 & auth, Forestry taxes and tenures in Canada, 57, Can. Tax Found; Financing education in British Columbia. Address: Dept. of Economics, University of British Columbia, Vancouver 8, B.C., Can.
- MOORE, DR. A(MOS) MONROE, b. Tarrant, Ala, May 20, 26; m. 56. ECONOMETRICS. A.B. Howard Col, 49; M.S. Ala. Polytech, 57; Ford Found. fel, North Carolina, 58-59, Ph.D., 61. Instr. econ, Ala. Polytech, 53-54; North Carolina, 54-58; asst. prof. statist, La. State, 59-61; ECON, Rutgers, 61-67; ASSOC. PROF, MONMOUTH COL.(N.J.), 67- U.S.A.A.F, 44-46. Econ. Asn; Statist. Asn. Construction and application of Engel curves to welfare economics; theory of consumption function; theory of the firm. Publ: Measuring changes in community welfare, Metroeconomica. Address: Dept. of Economics, Monmouth College, West Long Branch, N.J. 07764.
- MOORE, DR. A(RTHUR) ULRIC, b. Great Barrington, Mass, Mar. 23, 03; m. 26; c. 2. PSYCHOLOGY. A.B. Cornell, 27, M.A. 28, Ph.D.(speech, drama), 36. Asst. prof. Eng. & drama, Washington & Lee, 28-32; Eng. drama & speech, Northern Iowa, 36-38; sr. res. assoc. exp. psychol. & mgr. behav. farm lab, CORNELL, 38-63, SR. RES. ASSOC. NUTRIT. & BEHAV., GRAD. SCH. NUTRIT, 63- Am. Inst. Biol. Sci; Animal Behavior Soc; Pavlovian Soc. N.Am. Stress effects on newborn animals; Pavlovian conditioning as test stressor; effects of early protein deficiency; Pavlovian and operant conditioning as test measures; implications for early human protein deficiency. Publ: Early trauma as revealed by performance during initial conditioning; Latent inhibition: co-auth, Learning behavior following nutritional deprivations in early life, J. Am. Dietetic Asn, 11/67. Address: Graduate School of Nutrition, Cornell University, Ithaca, N.Y. 14850.
- MOORE, DR. BASIL JOHN, b. Toronto, Ont, June 6, 33; m. 60; c. 1. ECONOMICS. B.A. Toronto, 55; Earhart fel, Hopkins, 57-58, Ph.D. 58. Instr. ECON, Hopkins, 56-57; asst. prof, WESLEYAN, 58-64, ASSOC. PROF, 64- Danforth fel, 59; vis. prof, Trinity Col.(Conn), 60-61; Brookings res. prof, Stanford, 62-63. Econ. consult, U.S. Bur. Budget, 66-67. Econ. Asn; Tax Inst. Monetary and fiscal theory; theory of finance. Publ: Introduction to the theory of finance: assetholder behavior under uncertainty, Macmillan, 67; Capitalization and profitability in Canadian banking, Can. J. Econ. & Polit. Sci. Address: Dept. of Economics, Wesleyan University, Middletown, Conn. 06457.
- MOORE, DR. BERNICE MILBURN, b. San Antonio, Tex, June 17, 04; m. 24. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A. Texas, 24, M.A. 32; Ph.D. North Carolina, 37. Reporter, Am-Statesman, 24-26; dir. child welfare surv, Relief Cmn, Tex, 33-34; asst. Inst. Res. Soc. Sci, North Carolina, 34-37; asst. dir. prnl. projs, regional off, Work Projs. Admin, Tex, 38-41; consult, Hogg Found. Ment. Hyg, TEXAS, AUSTIN, 41-55, ASST. TO DIR. COMMUNITY PROGS. & PRFNL. ED, HOGG FOUND. MENT. HEALTH, UNIV, 55-, dir, seminars for chaplains, found. & U.S. Dept. Air Force, 56-66. Coordinator, Tex. Coop. Youth Study, 56-64. Consult, Tex. Ed. Agency, 41-64. Mem, cmt. relig. & ment. health, Joint Cmn. Ment. Illness & Health, 56-; task force on youth, Joint Cmn. Ment. Health Children & ad hoc cmt. youth serv, children's bur, Dept. Health, Ed. & Welfare, 66- Sociol. Asn; Asn. Marriage Counsr; Home Econ. Asn. Mental health aspects of family, personality development and stability, especially youth, their mental health, development, and community relationship problems. Publ: Co-auth, You and your family; Tomorrow's parents, Hogg Found. Ment. Health, Univ. Texas, 65; Family, community and mental health. Address: Hogg Foundation for Mental Health, University of Texas, Austin, Tex. 78712.
- MOORE, DR. BRUCE V(ICTOR), Psychol, see 10th ed, Soc. & Behav. Vols.
- MOORE, PROF. CHARLES N(ORTH), b. Marion, Ala, Aug. 5, 17; m. 52; c. 2. STATISTICS. B.S. Auburn, 40; M.B.A. Alabama, 48; Ph.D. Michigan, 62. Asst. prof. bus. statist, Alabama, 48-62, assoc. prof, 62-63; PROF. BUS. STATIST. & DATA PROCESSING & HEAD DEPT, MISS. STATE, 63- Res. assoc. bur. bus. res, Michigan, 51-53; asst. Ala. Bus. Res. Coun, 53-54; participant, Ford Found. summer faculty seminar, Univ. Chicago, 63; faculty fel. mem, Int. Bus. Mach. Corp. Sys. Res. Inst. N.Y., 67-68. Mem. cmt. statist, South. Regional Ed. Bd, 64- U.S.N., 42-46, Lt. Statist. Asn; Inst. Mgt. Sci. Electronic data processing machine applications in business; survey research techniques; designing and developing statistical programs

- to assist in teaching statistics. Publ: Co-auth, Electronics in business management; auth, Michigan businessmen get acquainted with their customers, Mich. Bus. Rev. Address: Dept. of Business Statistics & Data Processing, Mississippi State University, Box 2141, State College, Miss. 39762.
- MOORE, PROF. CHARLES THOMAS, b. Terre Haute, Ind. July 11, 30; m. 57; c. 3. BUSINESS ADMINISTRATION, ECONOMICS. B.S. Indiana, 52; M.B.A. 53, D.B.A. (mkt, transportation & econ), 61. Asst. prof. bus. admin. & econ, Miss. State, 53-55; res. assoc. transportation & mkt, Indiana, 55-59; asst. prof. bus. admin. & econ. & asst. dir. bur. bus. & econ. res. Nevada, 59-62; assoc. prof. MKT, ALABAMA, 62-64, PROF, 64-, DIR. SPEC. PROJ., OFF. ACAD. AFFAIRS, 67- Ford Found. fel, California, summer 63. Consult, Nev. Pub. Serv. Cmn, 61; cmt. indirect effects hwy. improvements, Hwy. Res. Bd. Nat. Acad. Sci.-Nat. Res. Coun, 66-67, mem. socio-econ. effects cmt, 67-; consult, econ. div. U.S. Bur. Pub. Rds, 66- Econ. Asn; Mkt. Asn; Regional Sci. Asn. Economic and social benefit-cost and impact research applied to urban areas and waterways; planning research in perceptions, goal structures, and criteria; marketing institutions; product innovation. Publ: A study of the expected economic and social impact of interstate highways in the industrial and commercial trading area of Birmingham, Alabama—the final report, 12/65 & Capital and income effects of signboard regulation, control, and removal on selected kinds of businesses and land segments located on interstate and primary highway systems in Alabama, 1/67, Ala. Hwy. Dept. & U.S. Bur. Pub. Rds; Consumer travel behavior and the central city retail structure, Proc. Am. Mkt. Asn, fall 66. Address: Dept. of Marketing, School of Commerce & Business Administration, University of Alabama, Box 5444, University, Ala. 35486.
- MOORE, DR. CHARLES VINCENT, b. Columbus, Ohio, Oct. 15, 31; m. 54; c. 2. AGRICULTURAL ECONOMICS. B.S. Ohio State, 53, M.S. 56, Ph.D. 59. Asst. agr. econ, Ohio State, 57-59; asst. res. agr. economist, California, 59-62; agr. economist, U.S. Dept. Agr, 62-65; U.S. Agency Int. Develop. adv. agr. econ. res. Panjab Agr. Univ, India, 65-67; AGR. ECONOMIST, U.S. DEPT. AGR, UNIV. CALIFORNIA, 67- U.S.N., 53-55, Lt. (jg). Agr. Econ. Asn Production economics and resource use; demand for resources in agricultural production and supply response of agricultural commodities. Publ: General analytical framework for estimating the production function for crops using irrigation water, J. Farm. Econ. Address: U.S. Dept. of Agriculture, Dept. of Agricultural Economics, University of California, Davis, Calif. 95616.
- MOORE, PROF. CLARENCE ALBERT, Agr. Econ, see 10th ed, Soc. & Behav. Vols.
- MOORE, DR. CLEMENT H, b. New York, N.Y., Feb. 2, 37. POLITICAL SCIENCE. A.B. Harvard, 57, Ford fel, 59-62, Ph.D. (govt), 63. Teaching fel. govt, Harvard, 62-63; ASST. PROF. POLIT. SCI, CALIFORNIA, BERKELEY, 63-, study grant N.African polit. syst. inst. int. studies, 66-68. Rockefeller Found. vis. prof. N.Africa, 65; res. fel, center int. affairs, Harvard, 67-68. Polit. res. fel, Michigan, summer 64. Polit. Sci. Asn; Mid. East. Studies Asn. N.Am. Political theory, structure, and behavior. Publ: Tunisia since independence, Univ. California, 65; One partyism in Mauritania, J. Mod. African Studies, 3: 409-430; Mass party regimes in Africa, In: Africa: the primacy of politics, Random, 66. Address: Dept. of Political Science, University of California, Berkeley, Calif. 94720.
- MOORE, DEAN COYLE E(LLIS), b. Waterloo, S.C., Mar. 5, 00; m. 28; c. 1. SOCIOLOGY. B.S. The Citadel, 20; M.S. North Carolina, 25; Ph.D. (soc. welfare), Chicago, 28. Assoc. prof. sociol, FLA. STATE, 28-41, prof, 41-46, prof. soc. work & dir. div. appl. soc. sci, 46-49, DEAN SCH. SOC. WELFARE, 49- AAAS: Sociol. Asn. Marriage and family life education; gerontology; public welfare. Publ: Administration and cost of public welfare in Illinois. Address: School of Social Welfare, Florida State University, Tallahassee, Fla. 32306.
- MOORE, DR. D(AVID) C(RESAP), Brit. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MOORE, DEAN DAVID G(RAHAM), b. Norwich, Conn, May 9, 18; m. 50; c. 4. SOCIOLOGY. B.A. Illinois, 40, M.A., 43; Ph.D. Chicago, 54. Staff asst. personnel res, Sears, Roebuck & Co, 41-43, 46-49; personnel mgr. Am. Flange Mfg. Co, 43-46; Bradley Mfg. Co, 48-50; asst. prof. sociol, Chicago, 50-55, assoc. prof. bus. admin. & dir. exec. prog, 55-56; prof. bus. admin, Mich. State, 56-58, head dept. personnel & prod. admin, 58-60, prof. mgt. & sociol, 61-63; DEAN INDUST. & LABOR RELS. SCH. CORNELL, 63- Indust. consult. Sociol. Asn; Soc. Appl. Anthropol. Indust. Res. Asn. Employee attitude surveys; executive development and education. Publ: Co-auth, SRA employee inventory; Human relations in industry; The enterprising man, Michigan State Univ, 63. Address: Industrial & Labor Relations School, Ives Hall, Cornell University, Ithaca, N.Y. 14850.
- MOORE, PROF. DONALD A, b. Can. Aug. 20, 16; nat; m. 42; c. 2. ECONOMICS. B.A. Linfield Col, 41; M.A., Fletcher Sch. Law, 42; Brown; Ph.D. (econ), Mich. State, 56. Instr. ECON, Brown, 46-50; Mich. State, 50-56; from asst. prof. to assoc. prof, CALIF. STATE COL. LOS ANGELES, 56-63, PROF, 63- U.S.A., 42-46, Maj. AAAS; Econ. Asn; Statist. Asn. International economics; microeconomic theory; economic statistics. Publ: Co-auth, Note on stability conditions applied to particular markets, South. Econ. J.; Distorting effects of direct taxation, Am. Econ. Rev; contrib, Automobile industry, In: Structure of American industry. Address: Dept. of Economics, California State College at Los Angeles, 5151 State College Dr, Los Angeles, Calif. 90032.
- MOORE, DR. DONALD FLOYD, b. Winona, Minn, July 6, 14; m. 36; c. 4. PSYCHIATRY. Western Michigan, 32-33; Michigan, 33-34, M.D. 38. Staff psychiatrist, Ypsilanti State Hosp, Mich, 39-41, sr. psychiatrist, 45-47; chief psychiat, Sta. Hosp, Camp Wallace, Tex, 41-42; chief neuropsychiat. serv, 69th Gen. Hosp, Ledo, Assam, 44-45; Vet. Admin. Hosp, Louisville, Ky, 47-55; MED. DIR. LARUE D. CARTER MEM. HOSP, INDIANAPOLIS, 55- Chief ment. hyg. clin, Anti-Aircraft Replacement Training Center, Camp Wallace, Tex, 43-44, consult, spec. training battalions, 41-42; staff psychiatrist, Louisville Child Guid. Clin, 47-55; from assoc. to asst. prof. sch. med, lectr, Kent Sch. Soc. Work & div. adult ed, grad. sch, Louisville, 47-55, south. police inst, 50-62; prof. sch. med, Indiana, 55- Consult, Norton Psychiat. Clin, Louisville, 47-55; Our Lady Peace Hosp, 51-55; med. dir, Chrysler Corp, Detroit, 52; Cent. State Hosp, Lakeland, Ky, 55; Marion County Gen. Hosp, Indianapolis, 55- Med.C. U.S.A., 41-45, Lt. Col. Fel. Psychiat. Asn; Col. Psychiat. Asn. Med. Supt. Ment. Hosps. (pres, 66-67). Administrative psychiatry, particularly inter-professional relationships; psychiatric education, especially medical student, psychiatric resident, post-graduate and education of allied disciplines, particularly psychiatric social workers and chaplains. Publ: Teachers learn from delinquents, Bull. Dept. Health, Commonwealth Ky, 49; A program for the treatment of psychosis with cerebral arteriosclerosis with special emphasis on the intravenous administration of histamine and nicotinic acid—a preliminary report of 29 cases, J. Clin. & Exp. Psychopath, 51; Psychiatric rehabilitation, Bull. Ind. State Bd. Health, 57. Address: 1315 Tenth St, Indianapolis, Ind. 46202.
- MOORE, DR. DONALD SYLVESTER, b. Sayre, Okla. Oct. 14, 13. AGRICULTURAL ECONOMICS. B.S. Okla. State, 38, M.S. 40; Ph.D. Minnesota, 57. Agr. economist, Farm Credit Admin, 40-53; asst. prof. prod. econ, TEXAS A&M, 56-62, ASSOC. PROF. AGR. ECON. & SOCIOLOG, 62- Agr. Econ. Asn; Econ. Asn. Production economics; farm finance. Publ: Savings and financing bulk tanks on Texas dairy farms, Tex. Agr. Exp. Sta. Bull; Adjustment problems and goals of dryland cotton farmers; What agribusiness means to Dallas. Address: Dept. of Agricultural Economics & Sociology, Texas A&M University, College Station, Tex. 77843.
- MOORE, DR. EARL J, b. Lohrville, Iowa, Nov. 18, 30; m. 51; c. 5. EDUCATIONAL PSYCHOLOGY. B.A. Iowa, 52; M.A. Nebraska, 54, Ed.D. 60. Counsr. psychol, Nebraska, 54-55; res. psychologist, Perceptual Develop. Labs, 55-56; guid. dir. ed, Marshalltown Community Schs, 56-58; dean, Marshalltown Jr. Col, 58-60; prof. psychol. & head dept, Parsons Col, 60-61; consult. ed. psychologist, Perceptual Develop. Labs, 61-63; ASST. PROF. ed. & psychol, Southern Illinois, 63-65; ED, MISSOURI, COLUMBIA, 65- U.S.A.F., 51-53. Psychol. Asn; Personnel & Guid. Asn. Vocational development; elementary school counseling; personality theory. Address: 3105 Lynwood Dr, Columbia, Mo. 65201.
- MOORE, DR. EARL L, b. Kansas City, Mo, Dec. 14, 13. CLINICAL PSYCHOLOGY. B.A. Kansas City, 36; M.A. Missouri, 37; Minnesota, 37-38; Ph.D. Denver, 57. Classification psychologist, Mo. Training Sch, 38-41; personnel rep. Nat. Youth Admin. Defense Shops, Mo, 41-42; U.S. Air Force, 42-66, classification specialist, 42-44, CLIN. PSYCHOLOGIST, 44-66; ALAMEDA COUNTY MENT. HEALTH SERV, CALIF, 66- U.S.A.F., 42-66, Lt. Col. AAAS; Psychol. Asn. Psychodiagnostic testing. Address: 2267 Prosperity Way, San Leandro, Calif. 94578.
- MOORE, DR. EDWIN F(ORREST), Statist, see 11th ed, Phys. & Biol. Vols.
- MOORE, DR. ERIC GENTRY, b. Dartford, Eng, Nov. 11, 39; m. 62; c. 2. GEOGRAPHY. B.A. Cambridge, 62, M.A. 66; Reserve Bank Australia scholar, Queensland, 63, Ph.D. (geog), 67. ASST. PROF. GEOG, NORTHWESTERN, 66. Asn. Am. Geog; Sociol. Asn; Sociol. Asn. Australia & N.Z.; Regional Sci. Asn. Spatial aspects of intra-urban residential movements; application of remote sensing techniques to studies of the urban environment; structure of urban information systems. Publ: Models of migration and the intra-urban case, Australia & N.Z. J. Sociol, 66. Address: Dept. of Geography, Northwestern University, Evanston, Ill. 60201.
- MOORE, DR. F. STANLEY, b. Topeka, Kans, Aug. 15, 27. GEOGRAPHY. B.A. Univ. Kansas City, 48; M.A. Kansas, 53; Ph.D. Washington (Seattle), 59. Asst. prof. GEOG, E.Carolina Col, 55-58; WESTERN MICHIGAN, 58-64, ASSOC. PROF, 64- Travel grant, Western Michigan, 61-62; sabbatical to study cultural & hist. geog. N.Africa & Spain, 66-67. U.S.A., 45-46. Asn. Am. Geog; Mid. East. Studies Asn. Geography of the Middle East and South Asia. Address: Dept. of Geography, Western Michigan University, Kalamazoo, Mich. 49001.
- MOORE, PROF. FELIX E, Biostatist, see 11th ed, Phys. & Biol. Vols.
- MOORE, DR. FLOYD JACK, Psychiat, see 11th ed, Phys. & Biol. Vols.
- MOORE, DR. FRANK W(ILLIAM), b. Yale, Iowa, Mar. 14, 25; m. 55. ANTHROPOLOGY. B.A. Cent. Col. (Iowa), 49; M.S. Mex. City Col, 51; M.A. Michigan, 53; Ph.D. (anthrop), Columbia, 60. Res. asst. anthrop, HUMAN RELS. AREA FILES, YALE, 52-56, chief analyst, 56-59, res. assoc. & dir. res. ANTHROP, 60-61, EXEC. DIR, 61- Mem. U.S. Nat. Cmt. Int. Fedn. Document, 62-64; cmt. info. needs in soc. sci, Nat. Acad. Sci-Nat. Res. Coun, 65- U.S.A., 44-46, S/Sgt. Fel. Anthropol. Asn; Soc. Am. Archaeol. Ethnobotany; cross-cultural research methodology. Publ: Readings in cross-cultural methodology, Taplinger, 61. Address: 210 Mill Rock Rd, Hamden, Conn. 06511.
- MOORE, PROF. FRANKLIN G, b. Columbus, Ohio, Oct. 27, 05; m. 38; c. 2. INDUSTRIAL MANAGEMENT. B.Sc. Ohio State, 28, M.Sc. 31, Ph.D. (indust. mgt), 39. Time study engr, Seiberling Rubber Co, Ohio, 29-31; res. asst, bur. bus. res, Ohio State Univ, 33-36; asst. prof. INDUST. MGT, Toledo, 36-39; assoc. prof, Western Reserve, 39-48; prof, Northwestern, 46-53; vis. prof, California, Los Angeles, 53-54; PROF, MICHIGAN, 54- Prof, Stichting Bedrijfskunde, Rotterdam, 67. Consult, Orgn. European Econ. Coop, 59-60. Acad. Mgt. (pres, 54); Mgt. Asn. Organization and control of large business companies. Publ: Production control, McGraw, 3rd ed, 68; Management: organization and practice, Harper, 64; Manufacturing management, Irwin, 5th ed, 69. Address: School of Business Administration, University of Michigan, Ann Arbor, Mich. 48104.
- MOORE, DR. FREDERICK J(ESSUP), Med. Info. Sci, see 11th ed, Phys. & Biol. Vols.
- MOORE, DR. FREDERICK T(HORP), b. Chicago, Ill, May 10, 20; m. 45; c. 3. ECONOMICS. B.A. & M.A. Wisconsin, 41; Ph.D. (econ), California, Berkeley, 50. Lectr. econ, California, 48-50; asst. prof, Illinois, 50-51; chief

internindustrial anal. br., U.S. Bur. Mines, 51-53; head economist, Wash. Off. Rand Corp., 53-66; CHIEF ECONOMIST, DEVELOP. & RESOURCES CORP., 66- Prof. lectr., George Washington, 53-; Indust. Col. Armed Forces, 59-; Maryland, 59-; Inst. Soc. Studies, The Hague, 60- Mem. res. adv. staff, Nat. Planning Assn., 55- Consult, Nat. Econ. Develop. Bank, Brazil, 56; Resources for the Future, Inc., 56-57; Nat. Sci. Found., 57-58; Inter-Am. Develop. Bank, 62-; Rand Corp., 66- Mem. President's Nat. Security Panel, 57. U.S.A., 41-46, Maj; Bronze Star Medal. Econ. Asn; Economet. Soc; Regional Sci. Asn. Econometrics; economic growth; industrial operations. Publ: Military procurement and contracting: an economic analysis; The World Bank and its economic missions, Rev. Econ. & Statist; Economic development and the employment of resources, In: Natural resources and economic growth. Address: Development & Resources Corp, 1632 K St. N.W., Washington, D.C. 20006.

MOORE, DR. G. ALEXANDER, JR., b. Manila, Philippines, Oct. 8, 37; U.S. citizen. A.B., Harvard, 58; M.A., Columbia, 63, Ph.D.(anthrop), 66. ASST. PROF. ANTHROP. & ED. EMORY, 65- Lectr., Nat. Defense Ed. Act Inst. Adv. Study Teaching Disadvantaged Youth, 67; consult, Regional Curriculum Study Proj, fed. & state, 67. Fel. Anthropol. Asn; Ethnol. Soc. Anthropology and education; Latin American anthropology. Publ: Realities of the urban classroom, Doubleday, 67. Address: Dept. of Anthropology, Graduate School of Arts & Sciences, Emory University, Atlanta, Ga. 30322.

MOORE, DR. GEOFFREY H., b. Pequannock, N.J., Feb. 28, 14; m. 38; c. 4. ECONOMICS. B.S., Rutgers, 33, M.S., 37; Ph.D., Harvard, 47. Instr., Rutgers, 36-42; assoc. prof. econ. N.Y. Univ., 47-48; assoc. dir. res. NAT. BUR. ECON. RES., 48-65, DIR. RES. 65-, res. assoc., 39-40. Vis. lectr., Columbia, 53-54. Consult, War Prod. Bd., 44-45; Coun. Econ. Adv., 54-55; U.S. Treas., 61- Econ. Asn; fel. Statist. Asn.(v.pres; pres, 68); Acad. Polit. Sci. Business cycles; agricultural economics. Publ: Ed. Business cycle indicators; co-auth, Indicators of business expansions and contractions, 67 & Quality of consumer credit, 67, Nat. Bur. Econ. Res. Address: 399 Queens Court, Ridgewood, N.J. 07450.

MOORE, PROF. GEORGE FRANCIS, b. Monticello, N.Y., Feb. 17, 23; m. 55; c. 5. POLITICAL SCIENCE. B.S., Southwest Mo. State Col., 48; M.A., Iowa, 50, Ph.D.(polit. sci.), 52. From asst. prof. to PROF. POLIT. SCI., CONCORD COL., 52-, CHMN. DIV. SOC. SCI., 59- A.W. Mellon lectr. fel. Eng., spring 65. U.S.A., 42-45, Sgt. State, county and municipal government changes and problems. Publ: Negativism in West Virginia government, 59-60 & Assessing the assessment system, 61, W.Va. Acad. Sci.; The old order changeth, Vidya, 67. Address: Dept. of Political Science, Concord College, Athens, W.Va. 24712.

MOORE, DR. G(EO)RGE PAUL, b. Fairmont, W.Va., Nov. 2, 07; m. 29; c. 2. SPEECH PATHOLOGY, COMMUNICATION SCIENCES. A.B., West Virginia, 29; M.A., Northwestern, 30, Ph.D.(speech path), 36. Instr. speech, Northwestern, 30-37, asst. prof., 37-48, assoc. prof. path. & speech path., 48-60, prof. speech path., 60-62; PROF. SPEECH & CHMN. DEPT., FLORIDA, 62- Dir. voice res. lab., Northwestern, 40-62, dir. voice clin., 50-62, lectr. otolaryngol, med. sch., 53-62; dir. res. lab., Inst. Laryngol. & Voice Disorders, 57-62; dir. commun. sci. lab., Florida, 62- Mem. commun. sci. study sec. Nat. Inst. Health, 59-63; mem. speech path. & audiol. adv. panel, voc. rehab. admin., Dept. Health, Ed. & Welfare, 62-64, rev. panel speech & hearing, neurol. & sensory disease serv. prog., bur. state serv. div. chronic diseases, 63-66, adv. cmt. neurol. & sensory disease serv. prog., 64-67; commun. disorder res. training cmt., Nat. Inst. Neurol. Diseases & Blindness, 64-68. Merit award, Am. Acad. Ophthalmol. & Otolaryngol., 62; Gould award, William & Harriet Gould Found., 62. U.S.A., 44-45. Sci. Film Asn; fel. Speech & Hearing Asn.(award, 66); Speech Asn. Am; Int. Asn. Logopedics & Phoniatrics; Int. Col. Exp. Phonology. Research and supervision of research in the communication sciences, particularly laryngeal physiology related to phonation. Address: 2234 N.W. Sixth Place, Gainesville, Fla. 32601.

MOORE, H(AROLD) J(AMES), b. Walkerton, Ont., May 15, 22; m. 46; c. 3. ECONOMICS, FINANCE. B.A.Sc., Toronto, 44; Sir Geo. Williams Col., 45; McGill, 46; M.B.A., Harvard, 57. Design engr., Bell Tel. Syst., 44-46; chief chemist, Dominion Tar & Chem. Co., 46-48, prod. supt., 48-50; prod. mgr., Nichols Chem. Div., Allied Chem. Corp., 50-55; ECON. EVAL., DOW CHEM. CO., 57- Lectr., grad. sch., Michigan, 57-59. R.C.N.V.R., 43-44. Econ. Asn; Finance Asn; Inst. Mgt. Sci. Application of economics to business organization, market analysis, forecasting and financial planning; price and capital theory. Address: 600 Chatham Dr., Midland, Mich. 48640.

MOORE, HARRIETT, b. Mt. Carmel, Ill., Nov. 17, 18; c. 2. PSYCHOLOGY. A.B., Illinois, 39, M.A., 40. Clin. psychologist, univ. clinics, Chicago, 44-48; psychologist, Soc. Res. Inc., 48-54; assoc. dir. res., 55-60; CONSULT. APPL. PSYCHOL. & ANTHROP. RES. U.S. & EUROPE, 61- Dir. Inst. fuer Absatzpsychologie, Hamburg, Germany, 58-63; consult, Soc. Res. Inc., 68- AAAS; Psychol. Asn; Sociol. Asn; Soc. Proj. Tech. & Personality Assessment; Soc. Appl. Anthropol; Soc. Int. Develop. Symbolic behavior; projective techniques; industrial psychology. Publ: Psychological facts and dietary fancies; Industrial use of personality tests; Artful contrivers: a study of engineers. Address: 740 N. Rush St., Room 407, Chicago, Ill. 60611.

MOORE, PROF. HARRY E(STILL), Sociol., see 10th ed, Soc. & Behav. Vols., deceased 66.

MOORE, PROF. HARVEY C(LEAVER), b. Port Penn, Del., Mar. 13, 18; m. 48. ANTHROPOLOGY. A.B., Delaware, 38; Ph.D.(anthrop), New Mexico, 50; Oxford, 67-68. Teacher, high sch., Del., 38-42; asst. prof. anthrop. & res. assoc., bur. soc. sci. res., AMERICAN UNIV., 51-54, assoc. prof. ANTHROP., 54-58, PROF., 58-, CHMN. DEPT., 65- Instr., eve. sch., Hopkins, 53-56. U.S.A., 42-46, 1st Lt. Fel. AAAS; fel. Anthropol. Asn; fel. Ethnol. Soc; fel. African Studies Asn; fel. Royal Anthropol. Inst. Processes of culture change and development, enculturation, and culture contact; ethnology of Southwestern United States and Sub-Saharan Africa. Publ: Research, application and the intermediate process, Primitive Man; Cumulation and cultural processes, Am. Anthropologist; Culture change in a Navaho community, In: American historical anthropology, Southern Illinois Univ., 67. Address: Dept. of Anthropology, American University, Washington, D.C. 20016.

MOORE, DR. HEBER G(RANT), b. Belfry, Mont., Jan. 18, 30; m. 54; c. 4. PSYCHOLOGY. B.S., Brigham Young, 53, M.S., 54; M.A., Michigan, 59, Ph.D.(psychol), 61. Psychometrist, Brigham Young, 54-55; human factors aerospace technologist, NASA, 61-65; CHIEF HUMAN FACTORS ENG., NAVAL MATERIAL COMMAND, 65- U.S.A.F., 55-57, Capt. Psychol. Asn; Human Factors Soc. Application of behavioral science data and information in research and development related to man/equipment systems. Address: 13600 Stoner Dr., Silver Spring, Md. 20904.

MOORE, PROF. HENRY B(OLAN), b. Madison Co., Ky., Dec. 12, 03; m. 26; c. 2. ECONOMICS. B.S., Kentucky, 26; M.B.A., Harvard, 30; Yale, 31-32. Asst. mgr., Garrard Mills, Ky., 26-28; adj. prof. bus. admin., Georgia, 30-31; statistician, Tech. Mkt. Serv., Mich., 31; instr. mkt., Carnegie Inst. Tech., 32-34; asst. chief mkt. res. div., Bur. For. & Domestic Commerce, U.S. Dept. Commerce, 34-37; assoc. prof. econ., Kentucky, 37-42; prin. indust. econ. in charge field off. & div. liaison, Off. Price Admin., Bur. Labor Statist., 42-43; dir. res., Braniff Airways, Tex., 43-45; lectr. eng. sci. & mgt. war training prog., Southern Methodist, 44-45; assoc. dir. bur. bus. res., Colorado, 45-46, dir., 46-51, prof. statist., 47-49, bus. res., 49-51; PROF. ECON. & DIR. BUR. BUS. RES., ALABAMA, 51- Lectr., George Washington, 36-37; head prod. measurement team, For. Opers. Admin., Europe, 54-55; vis. prof., Ford Found. Proj., Rangoon, Burma, 58-60. Secy-treas., Assoc. Univ. Bur. Bus. & Econ. Res., 51-53, pres, 56; Founder, Ala. Bus. Res. Coun., 53, chmn., 53-54, res. coordinator, 63-67; mem., Ala. Regional Export Expansion Coun., 64-; fed. progr. coordinating cmt., State of Ala., 65-, progrs. adv. sub-cmt., 65-; Ala. Int. Bus. Forum, 66-; Ad Hoc Cmt. State & Univ. Off. Anal. Govt. Opers., 68-; Nat. Defense Exec. Reserve, Econ. Stabilization, 68- Regional Sci. Asn. Publ: Co-auth, Transition in Alabama, 62 & Alabama's manufacturing economy—a quarter-century of progress, 67, Ala. Bus. Res. Coun. Address: Bureau of Business Research, University of Alabama, Box KK, University, Ala. 35486.

MOORE, PRES. HENRY THOMAS, Psychol., see 10th ed, Soc. & Behav. Vols., deceased 67.

MOORE, PROF. H(OMER) K(ENTON), b. Baldwin, Ind., Mar. 10, 01; m. 48; c. 2. PSYCHOLOGY. B.S., Bowling Green State, 23; M.A., Western Reserve, 31, Ph.D., 36. Prof. ed. & psychol. & registr., Billings Polytech., 37-45; prof. ed. & psychol. & dir. eve. col., Trinity, 45-46; PROF. PSYCHOL., ARK. AGR. & MECH. COL., 46- Juvenile delinquency; educational tests and measurements. Publ: General psychology; Psychological anecdotes and stories; Psychology of humor and laughter. Address: Box 553, College Heights, Ark. 71655.

MOORE, DR. HUGH L(EVI), b. Columbus, Ohio, Sept. 30, 29. AGRICULTURAL ECONOMICS. B.S., Ohio State, 51; M.S., Wisconsin, 55, Ph.D., 58. Instr. agr. econ., Wisconsin, 57-59; asst. prof., 59; Purdue, 59-63; economist, econ. res. dept., Armour & Co., Ill., 63-66; MGR. MKT. & ECON. DEPT., MASSEY-FERGUSON LTD., CAN., 66- U.S.N., 51-53, Res., 53-, Lt. Econ. Asn; Am. Agr. Econ. Asn; Asn. Bus. Econ; Can. Agr. Econ. Asn. Marketing; world farm mechanization. Address: Massey-Ferguson Ltd., 200 University Ave., Toronto, Ont., Can.

MOORE, DR. JAMES CURTIS, JR., b. Colorado Springs, Colo., June 15, 37. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A., Colorado, 60; Ph.D.(sociol), Stanford, 65. ASST. PROF. SOCIOL., MICHIGAN, 65- Sociol. Asn. Experimental studies of small-group interactions. Publ: Status and influence in small-group interactions, Sociometry, 3/68. Address: Dept. of Sociology, University of Michigan, Ann Arbor, Mich. 48104.

MOORE, DR. JOAN WILLARD, b. New York, N.Y., May 17, 29; m. 48; c. 2. SOCIOLOGY. Ph.B., Chicago, 48, M.A., 53, Carnegie fel. & Ph.D.(sociol), 59. Lectr. human develop., Chicago, 57-58, instr. human develop. & sociol., 58-62; lectr. SOCIOL., California, Los Angeles, 62-63; asst. prof., CALIFORNIA, RIVERSIDE, 63-67, ASSOC. PROF., 67- Consult, Off. Econ. Opportunity, Wash., D.C., 66-67. Fel. Sociol. Asn; Soc. Study Social Probs; Asn. Pub. Opinion Res. Urban sociology, stratification, and ethnic and racial differentiation, especially Mexican Americans. Address: Dept. of Sociology, University of California, Riverside, Calif. 92502.

MOORE, PROF. JOHN B(ENJAMIN), b. Auxvasse, Mo., Mar. 14, 10; m. 36; c. 1. ECONOMICS. A.B., Westminster Col., 34; A.M., Missouri, 39, Ph.D., 50; Michigan, 40-41. PROF. ECON. & CHMN. DEPT., William Jewell Col., 47-50; LINDENWOOD COL., 50- Lectr., Washington (St. Louis), 51- U.S.N.R., 43-45. Econ. Asn; Indust. Rel. Res. Asn. Labor economics; eligibility and disqualification for unemployment benefits in Missouri. Address: Dept. of Economics, Lindenwood College, St. Charles, Mo. 63301.

MOORE, DR. JOHN E(DWARD), b. Scottsbluff, Nebr., Aug. 11, 35; m. 57; c. 3. POLITICAL SCIENCE. B.A., Reed Col., 57; Rhodes scholar, Oxford, 57; Gen. Elec. fel., Princeton, 59, Brookings Inst. fel., 60, M.A., 60, Ph.D.(polit. sci.), 63. Res. asst. econ. Calif. Dept. Water Resources, 57-58; govt. studies, Brookings Inst., 61-63; ASST. PROF. POLIT. SCI., CALIFORNIA, SANTA BARBARA, 63- Haynes Found. summer fel., 65. Polit. Sci. Asn. Relationships between government and the economy; politics of regulatory administration; ombudsman and administrative responsibility. Publ: Ombudsman for state government, In: Ombudsmen for American government?, Prentice-Hall, 68. Address: Dept. of Political Science, University of California, Santa Barbara, Calif. 93106.

MOORE, PROF. JOHN R(OBERT), b. Kearny, N.J., Apr. 24, 28; m. 55; c. 3. ECONOMICS. A.B., Colgate, 49; White fel., Cornell, 49-51, A.M., 51, Ph.D., 56. Instr. ECON., TENNESSEE, 53-54, asst. prof., 54-56, assoc. prof., 56-60, PROF., 60- Ford Found. fel., bus. sch., Harvard, 59-60. Consult, Oak Ridge Nat. Lab., 66- Econ. Asn; Regional Sci. Asn; Soc. Economet. Appraisers; Asn. Bus. Econ. International economics; economic development; industrial organization and control. Publ: Co-auth, Economics: principles, problems and perspectives; ed., The economic impact of TVA, Univ. Tennessee, 67; co-auth, Price flexibility and industrial concentration, South. Econ. J. Address: Dept. of Economics, University of Tennessee, Knoxville, Tenn. 37916.

- MOORE, DR. JOHN RUNYAN, b. Columbus, Ohio, Sept. 30, 29; m. 53; c. 2. AGRICULTURAL ECONOMICS. B.Sc. Ohio State, 51; M.Sc. Cornell, 55; Ph.D. Wisconsin, 59. Asst. prof. AGR. ECON. Mich. State, 58-62; ASSOC. PROF. MARYLAND, 62- Agr. Develop. Coun. res. grants, 63 & 66. Consult, U.S. Fed. Trade Cmn, 65-66. U.S.N. 51-53. Econ. Asn; Agr. Econ. Asn.(award, 60). International agricultural trade; market structure of agricultural industries; planning of agricultural trade and marketing. Publ: Co-auth, Market structure of the agricultural industries, Iowa State Univ, 66; U.S. investment in Latin American food processing, Praeger, 67; auth, The causes and consequences of major changes in the organization of agricultural marketing activities, J. Farm Econ, 8/66. Address: Dept. of Agricultural Economics, University of Maryland, College Park, Md. 20740.
- MOORE, JOHN V (AN LOON), b. New York, N.Y., Aug. 22, 21; m. 48; c. 3. PSYCHOLOGY. B.A. Missouri, 47; M.S. Columbia, 48; Pa. State, 49-56. Psychologist, human resources res. center, U.S. Dept. Air Force, 48-53; electronic warfare dept, U.S. Dept. Army, 53-54; sect. mgr. tech. estimates war gaming, HRB-SINGER, INC, 54-66, SCIENTIST ADV. ELECTRONIC SYST, 66- U.S.A.F., 43-46, 49-52, 1st Lt. AAAS; Psychol. Asn; Human Factors Soc; Inst. Elec. & Electronics Eng. War gaming of large scale military problems using digital computers; technical estimates of foreign military capabilities in electronics; systems engineering of military electronic reconnaissance systems; zoology; automated instruction devices and programs. Publ: Some aspects of NCO leadership personnel psychology; preliminary investigation of troubleshooting; Factor analytic comparisons of superior and subordinate evaluations of the same NCO supervisors. Address: 220 Kennedy St, State College, Pa. 16801.
- MOORE, DR. J(OHN) WILLIAM, b. Brookville, Pa, Mar. 7, 28; m. 61. EDUCATION. B.S. Clarion State Col, 48; M.Ed. Pa. State, 56, Ed.D. 59. Teacher, high sch, Pa, 56-58; res. asst, Pa. State, 58-59; from assoc. prof. to PROF, ED. BUCKNELL, 59-, CHMN. DEPT., 63-, acting chmn. dept, 62-63. Grants, U.S. Off. Ed, 60-; U.S. Air Force, 61-63; Ford Found, 64-68; Carnegie Found, 64-70. Assoc. dir, Susquehanna Valley Prog, 59-; dir, Bucknell Univ. Continuous Progress Prog. Consult, Ed. Res. Serv, 59-60. U.S.A., 53-55, Res, 55- Human learning; programmed learning. Publ: Sets, equations and inequalities, 66, Modular arithmetic, 67 & co-auth, Conditioning and instrumental learning, 67, McGraw. Address: Dept. of Education, Bucknell University, Lewisburg, Pa. 17837.
- MOORE, PROF. JOSEPH E(RNEST), b. Globe, N.C., June 27, 05; m. 31. APPLIED PSYCHOLOGY. B.S., N.C. State Col, 29, M.S. 31; summers, North Carolina, 32, George Washington, 33; fel, George Peabody Col, 34-35, Ph.D. (psychol), 35. Instr. psychol. & sociol, George Peabody Col, 31-34, regents prof. psychol, 36-42; instr. psychol. & sociol, N.C. State Col, 35; regents prof. psychol. & dir. Vetr. Guid. Center, GA. INST. TECH, 45-65, EMER. REGENTS PROF, 65- Pres. Consult. Psychologists, Inc, 46-; consult. psychologist, 68- Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.A., 42-45. AAAS; fel. Psychol. Asn. Racial differences; eyehand coordination; dexterity tests. Publ: A further study of the annoying habits of college professors, J. Abnorm. & Soc. Psychol; Some psychological aspects of yawning, J. Gen. Psychol; The standardization of the Moore Eye-Hand coordination and color-matching test, Ed. & Psychol. Measurements. Address: 4406 Jett Rd. N.W. Atlanta, Ga. 30327.
- MOORE, JOSEPH G(RAESSLE), b. Dubuque, Iowa, Feb. 19, 04; m. 30; c. 3. ANTHROPOLOGY, SOCIOLOGY. B.A. Hamline, 28; B.D. Seabury-West. Theol. Sem, 31; M.A. Northwestern, 47, Ph.D.(anthrop), 53. Dir, West. Surv. Staff, 28-30; curate, St. Mark's Church, Evanston, Ill, 30-31; rector, St. Paul's Church, Evansville, Ind, 31-42; dir. training, prof. practical theol. & lectr. soc. sci, Seabury-West. Theol. Sem, 46-55; exec. dir. gen. div. res. & field studies, nat. coun, Protestant Episcopal Church, 48-62, exec. officer, strategic adv. cmt. to presiding bishop, 62-65; planning officer, Province of Caribbean, Episcopal Church U.S.A., 65-67; PROF. ANTHROP. & CHMN. DEPT. ANTHROP. & SOCIOL, MASS. STATE COL, BRIDGEWATER, 68- Viking Found. fel, B.W.I. 50. U.S.A., 43-46, Maj. Fel. AAAS; fel. Anthropol. Asn; fel. Sociol. Asn; fel. Soc. Appl. Anthropol. Institutional and acculturation studies of Central America, South America, Alaska, Philippines, South East Asia and of American Indians; population; housing and institutional studies; the Negro in the New World and in Africa. Address: P.O. Box 1396, Frederiksted, St. Croix, Virgin Islands 00840.
- MOORE, DR. KENNETH BOYD, b. Pratt, Kans, Jan. 31, 17. PSYCHIATRY, PSYCHOLOGY. A.B. Kansas, 38, M.A. 40, Ph.D.(psychol), 43, M.D. 47. Staff physician, Ypsilanti State Hosp, Mich, 50-53, clin. dir, 55-60, asst. med. supt, 60-61; ASSOC. CHIEF STAFF, VET. ADMIN. HOSP, 61- Asst. prof. clin. psychiat, col. med, Kentucky, 61- U.S.A.F., 53-55, Capt. Psychiat. Asn; Psychol. Asn. Social psychiatry; hospital treatment of chronic schizophrenia; milieu treatment of psychoses. Publ: Co-auth, Family interaction as a factor in prolonging hospitalization, J. Nervous & Ment. Disease, Vol. 136, 5, Group psychotherapy as a means of approaching homosexual behavior among hospitalized psychiatric patients, J. Ky. State Med. Asn, 5/63 & Social factors and chronic schizophrenia, Psychiat. Quart, 7/66. Address: Veterans Administration Hospital, Lexington, Ky. 40507.
- MOORE, DR. MARVIN, b. Hillsdale, Mich, June 13, 40; m. 61. COUNSELING, CLINICAL PSYCHOLOGY. B.A. Mich. State, 62, M.A. 64, Ph.D.(clin. psychol), 66. Instr. psychol, Mich. State, 66-67; ASST. PROF. PSYCHOL. & SR. PSYCHOLOGIST, COUNSELING CENTER, COLORADO STATE, 67- Psychol. Asn. Variable involved in counselor training; student ecology, student development and growth in the educational setting; counseling as a process, client and counselor variables. Publ: Aggression themes in a binocular rivalry situation, J. Personality & Soc. Psychol, 6/65; Consistency of interaction in normal and clinic families, Mich. State Univ, 66. Address: Counseling Center, Colorado State University, Ft. Collins, Colo. 80521.
- MOORE, DR. MARY E(LIZABETH), b. New London, Conn, Dec. 7, 30. EXPERIMENTAL & SOCIAL PSYCHOLOGY. A.B. Rutgers, 52, M.S. 58, Ph.D.(psychol), 60; M.D. Temple, 67. From asst. to res. assoc. sociol, Rutgers, 52-59; psychol, Swarthmore Col, 59-60; from instr. to assoc. psychol, dept. psychiat, sch. med, Pennsylvania, 60-64; intern, TEMPLE UNIV. HOSP, 67-
- 68, RESIDENT, 68- Consult, Russell Sage Found, 65-67. Psychol. Asn. Dyadic analysis of interpersonal relations; immediate memory; obesity; physical and psychological aspects of aging. Publ: Co-auth, Obesity, social class and mental illness, 62 & Social factors in obesity, 65, J. Am. Med. Asn; auth, The aging organism, In: Ed. M.W. Riley, Aging and society, vol. I, an inventory of research findings, Russell Sage Found. Address: 1805 W. Allegheny Ave, Philadelphia, Pa. 19132.
- MOORE, MERRILL ROBERTS, Math. Statist, see 10th ed, Soc. & Behav. Vols.
- MOORE, PROF. OMAR KHAYYAM, b. Helper, Utah, Feb. 11, 20; m. 42; c. 1. SOCIAL PSYCHOLOGY. B.A. Doane Col, 42; M.A., Washington (St. Louis), 46, Ph.D.(sociol), 49. Instr. philos, Washington (St. Louis), 47-49, asst. prof, 49-52; head sociomet. sect, systs. anal. br, Naval Res. Lab, D.C., 52-54; asst. prof. sociol, Yale, 54-57, assoc. prof, 57-63, prof. psychol, Rutgers, 63-65; PROF. SOC. PSYCHOL, PITTSBURGH, 65- U.S.A.A.F., 42-45. Sociol. Asn; Anthropol. Asn; Math. Soc; Asn. Symbolic Logic; Psychonomic Soc. Address: 619 Schenley Hall, University of Pittsburgh, Pittsburgh, Pa. 15213.
- MOORE, O(SCAR) ERNEST, b. Ft. Worth, Tex, Oct. 5, 96; m. 19; c. 2. ECONOMICIS. M.S.Sc. New Sch. Soc. Res, 46; M.A. N.Y. Univ, 66. Employee importing, Willard Hawes & Co, 16-20; int. banking, Bankers Trust Co, 20-26; economist, Fed. Reserve Bank New York, 26-30, 35-39, chief for. res, 39-46; exec. asst. to pres. int. finance, Bank Int. Settlements, Swiss, 30-35; mgr. econ. res, Fed. Reserve Bank New York, 46-53; adv. finance & econ, Repub. Haiti, UN, 51-56; adv. finance Nat. Coun. Monetary Stabilization, Bolivia, U.S. Govt, 56-57, acting exec. dir. finance & econ, 57; economist finance, mission Chile, Klein & Saks, D.C., 57-58, mission Haiti, 58-59, develop. banking, mission Ecuador, 60-61; adv. finance, Brown Engrs, New York, 60; economist, Center Latin Am. Monetary Studies, Mex, 61-62, lectr, 53; PARTNER, INT. ECON. SERV, NEW YORK, 62- Adv. reform banking legis, Govt. Venezuela, 59. Ord.C., U.S.A., 17-19. Development of financial institutions in Mexico; development banking in Ecuador; monetary stabilization in Bolivia; banking and monetary reform in Haiti; central bank cooperation. Publ: Las instituciones financieras de Mexico; El departamento de investigaciones economicas de un banco central; Stabilization of the Bolivian peso, In: Public finance. Address: 2726 Harvey Ave, Oceanside, N.Y. 11572.
- MOORE, PROF. RAYMOND ARTHUR, JR, b. Towanda, Pa, July 5, 25; m. 61; c. 4. INTERNATIONAL RELATIONS. B.A. New Sch. Soc. Res, 50; M.A., Columbia, 52, Ph.D.(polit. sci), 61. Lectr. polit. sci, Upsala Col, 53-54; Adelphi Col, 54-55; Columbia, 55-58; instr. INT. RELS, SOUTH CAROLINA, 58-61, asst. prof, 61, ASSOC. PROF, 64-, DIR. GRAD. STUDIES, 66- Sr. Fulbright lectr, Panjab, Pakistan, 63-64, Sydney & Tasmania, 68-69; participant, Inst. Nuclear Sci. & World Politics, Oak Ridge, Tenn, 65; vis. prof, coop. prof. int. studies, Duke, 67-68. U.S.A.A.F., 43-45, S/Sgt. Polit. Sci. Asn; Int. Studies Asn. United Nations; Pakistan; Peaceful uses of military force. Publ: The United Nations reconsidered, Univ. South Carolina, 63; co-auth, Peace and war in the modern age, Doubleday, 65; & Panjab university historical studies, 1963-64, Hist. Res. Inst, 64. Address: 6354 Eastshore Rd, Columbia, S.C. 29206.
- MOORE, DR. RAYMOND ELVIN, b. Des Moines, Iowa, Jan. 25, 34; m. 58; c. 1. PSYCHOLOGY. B.A. Drake, 59; U.S. Pub. Health Serv. fel, Adelphi, 60-62, Ph.D.(clin. psychol), 63. Clin. psychol. trainee, U.S. Vet. Hosp, 62-63; chief ward psychologist, Norwich State Hosp, Conn, 63; clin. res. psychologist, Des Moines Child Guid. Center, 64-65; asst. prof. psychol, Iowa State, 65-67; ASSOC. PROF. PSYCHOL. & DIR. COUNS. & TESTING, DRAKE, 67- Consult, Iowa State, 64-65; Iowa Voc. Rehab, 64-; Beloit Children's Center, 65-67; Lutheran Church Am, 65- Private practice psychother, 64- U.S.A., 53-56. Psychol. Asn; Soc. Proj. Tech. & Personality Assessment. Brain-behavior relationships; psychotherapy; psychometrics. Publ: Use of rating scales in evaluation of treatment, Newsletter Am. Asn. Psychiat. Clin. Children, 64; co-auth, The influence of a set on the evaluation of psychotherapy, Am. J. Orthopsychiat, 66. Address: Dept. of Psychology, Drake University, Des Moines, Iowa 50311.
- MOORE, DR. RAYMOND S, b. Glendale, Calif, Sept. 24, 15; m. 38; c. 2. EDUCATIONAL PSYCHOLOGY. A.B. Pacific Union Col, 38; Ed.M. Southern California, 46, fel, 46-47, Ed.D. 47. Teacher, pub. schs, Calif, 38-40, prin, 40-41, supt, 45-46; prof. ed. & ed. psychol. & exec. secy. grad. prog, Pacific Union Col, 47-51; pres, Nihon San-Iku Gakuin, Japan, 51-56; Philippine Union Col, P.I. 56-57; chmn. dept. ed. & acting dean sch. grad. studies, Andrews Univ, 57-60; v-pres, Loma Linda, 60-62; pres, Southwest Union Col, 62-64; grad. prog. officer, U.S. Off. Ed, 64-67; DR. THE BRIDGE, CENTER ADV. INTERCULTURAL STUDIES, 67- Consult, div. higher ed, Dept. Health, Ed. & Welfare, 60; higher ed. & interinstnl. coop, Bur. Higher Ed, 66-67; interinstnl. coop, Univ. Wisconsin, 66-67; consult. & proj. dir, nationwide study int. ed. Am. Asn. Cols. for Teacher Ed, 67-; consult. Am. Voc. Asn. & Nat. Coun. Home Econ. Adminstrs, 67- Mem, Nat. Child Labor Cmt, 59-60; secy. grad. adv. cmt. U.S. Off. Ed, 64-66; mem, Nat. Coun. Soc. Studies. Pres, Harry W. Miller Found, N.Y. & Calif. U.S.A., 41-46, Maj. Acad. Polit. & Soc. Sci; Comp. Ed. Soc. Work-education programs in elementary and secondary schools and colleges; nutrition. Publ: China doctor, Harper, 61; Guide to higher education consortiums, U.S. Off. Ed, 67. Address: The Bridge, 1439 S. Michigan Ave, Chicago, Ill. 60605.
- MOORE, PROF. RICHTER H, JR, b. Spartanburg, S.C., Aug. 19, 28; m. 50; c. 3. POLITICAL SCIENCE. B.S. South Carolina, 49, LL.B. 51; M.A. Kentucky, 56, Ph.D.(polit. sci), 64. Part-time instr. POLIT. SCI, Kentucky, 55; instr, EAST TENN. STATE, 55-57, asst. prof, 57-60, assoc. prof, 60-64, PROF, 64-, CHMN. DEPT., 65- Summers, Nat. Sci. Found res. grant, 66 & fel, 67. U.S.A.R., 51-53, Res, 53-, Maj. Acad. Polit. Sci; Polit. Sci. Asn. American constitutional law and judicial behavior; American government and politics. Address: Dept. of Political Science, East Tennessee State University, Johnson City, Tenn. 37601.
- MOORE, DR. ROBERT F(RANCIS), Psychiat, see 11th ed, Phys. & Biol. Vols.

- MOORE, DR. SALLY FALK, b. New York, N.Y., Jan. 18, 24; m. 51; c. 2. ANTHROPOLOGY, LAW. B.A., Barnard Col., 43, LL.B., Columbia, 45, Ph.D. (anthrop.), 57. Assoc. attorney, Spence, Hotchkiss, Parker & Duryea, N.Y., 45-46; attorney, War Dept., Nuremberg Trials, Germany, 46; dept. asst., ANTHROP., Columbia, 50-52; asst. prof., SOUTHERN CALIFORNIA, 63-65, ASSOC. PROF., 65- Res. fel., African Studies Center, California, Los Angeles, 67-68. Fel. Am. Anthropol. Asn; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Law, politics, kinship and social structure of traditional societies. Publ: Power and property in Inca Peru, Columbia, 58; Asymmetrical cross-cousin marriage, 63 & Descent and symbolic filiation, 64. Am. Anthropologist. Address: Dept. of Sociology & Anthropology, University of Southern California, University Park, Los Angeles, Calif. 90007.
- MOORE, DR. THOMAS D(AVID), b. D'Iq Mississippi, July 19, 33; m. 56; c. 1. ECONOMICS. B.B.A., Mississippi, 55, M.B.A., 60, Ph.D.(econ), 64. Indust. engr., Boeing Airplane Co., 55-59; Fryling Elec. Prods, Inc, Erie Resistor Corp., 60-61; assoc. prof. mgt. Tennessee Tech., 64-65; asst. prof. ECON., ALABAMA, 65-66, ASSOC. PROF., 67- Acad. Mgt. Highway motor vehicle taxation and economic education at the kindergarten through senior college levels. Publ: Registration of interstate commercial motor vehicles without undue restraint of interstate commerce, J. Ala. Acad. Sci., 1/67; The status of economic education in the high schools of Alabama, Ala. Bus., 9/67. Address: Dept. of Economics, University of Alabama, University, Ala. 35486.
- MOORE, DR. THOMAS GALE, b. Washington, D.C., Nov. 6, 30; m. 58; c. 1. ECONOMICS. A.B., George Washington, 57; Earhart Found. fel., 58-59; M.A., Chicago, 59, Wallgreen Found. fel., 59-60, Ph.D., 61. For. res. analyst, Chase Manhattan Bank, 60-61; asst. prof. ECON., Carnegie Inst. Tech., 61-65; ASSOC. PROF., MICH. STATE, 65- U.S.N., 50-55. Econ. Asn; Economist. Soc. Effectiveness of regulation of the electrical power industry; welfare theoretic analysis of the broadcasting industry. Publ: The economics of the American theater, Duke Univ. Press, 68; The demand for Broadway theatre tickets, Rev. Econ. & Statist., 2/66; Stock market margin requirements, J. Polit. Econ., 4/66. Address: Dept. of Economics, Michigan State University, East Lansing, Mich. 48823.
- MOORE, WAYNE R(OBERT), Indust. Eng., see 11th ed, Phys. & Biol. Vols.
- MOORE, DR. WILBERT E(LLIS), b. Elma, Wash., Oct. 26, 14. SOCIOLOGY. A.B., Linfield Col., 35; A.M., Oregon, 37; A.M., Harvard, 39, Ph.D., 40. Instr. sociol., Pa. State Col., 40-41, asst. prof., 41-43; Princeton, 45-48, assoc. prof., 48-51, prof., 51-64; SOCIOLOGIST, RUSSELL SAGE FOUND., 64- Sociol. Asn.(v.pres, 60, pres, 66); Pop. Asn; Indust. Rels. Res. Asn; Philos. Soc; fel. Am. Acad. Arts & Sci. Comparative demography; industrial sociology. Publ: Industrialization and labor; Man, time, and society; Social change. Address: 396 Riverside Dr., Princeton, N.J. 08540.
- MOORE, PROF. W(ILLIAM) FRANKLIN, b. Waxhaw, N.C., Feb. 24, 10; m. 40; c. 1. SOCIOLOGY. A.B., Wofford Col., 40; B.D., Emory, 40; A.M., Ohio Wesleyan, 47; Ph.D., Ohio State, 53. Asst. prof. sociol., Fenn Col., 48-54, assoc. prof., 54-60, prof., 60-64, chmn. dept., 61-64, dir. relig. ed., 48-64; PROF. SOCIOL., CLEVELAND STATE, 65- U.S.A., 44-46. Sociol. Asn. Race; family; social organization. Publ: Status of the Negro in Cleveland. Address: Dept. of Sociology, Cleveland State University, Cleveland, Ohio 44115.
- MOORE, PROF. W(ILLIAM) GLENN, b. Luverne, Ala., Dec. 31, 25; m. 49; c. 3. ECONOMICS, ECONOMIC HISTORY. A.B., Alabama, 50, M.A., 51, Ph.D.(hist), 60; Indust. Col. Armed Forces, 63-65. Asst. prof. hist., W.G.A. COL., 58-60, assoc. prof. econ. & hist., 60-63, PROF. ECON., 63-, HEAD DEPT., 65- Summer vis. prof., Georgia, 65. U.S.N., 44-46, 52-54, Res., 54-, Comdr. U.S. economic history in early republic, especially the embargoes of 1794. Address: Dept. of Economics, West Georgia College, Carrollton, Ga. 30117.
- MOORE, DR. WILLIAM H., U.S. citizen. ECONOMICS. Ph.D., Chicago, 38. Exec. officer & asst. chief div. invest. Off. Alien Property, 42-48; SR. ECONOMIST, JOINT ECON. CMT., U.S. CONG., 48- Vis. lectr., Hopkins, 48-49. AAAS; Econ. Asn; Statist. Asn; Royal Econ. Soc. Monetary policy; economic theory; corporation finance. Publ: Reorganization of railroad corporations; Corporate profits and their measurement. Address: Joint Economic Committee, U.S. Congress, Senate Post Office, Washington, D.C. 20510.
- MOORE, DEAN W(ILLIAM) J(LIUS), b. Owsley Co., Ky., Oct. 25, 94; m. 16; c. 2. ECONOMICS. A.B., Kentucky, 25, A.M., 28, Ph.D.(ed. admin, econ), 31. Teacher, pub. schs., Ky., 13-16, prin. high sch., 17-23, supt., 25-28; prof. econ. & head dept. commerce, EASTERN KENTUCKY, 28-44, DEAN, 45- Educational administration. Address: 372 High St., Richmond, Ky. 40475.
- MOORE, DR. WILLIAM M(cKINLEY), b. Phillipsburg, Kans., Sept. 14, 02. JOURNALISM. A.B., Kansas, 26, A.M., 30; Ph.D., Wisconsin, 46. Head dept. Eng. Ark. Agr. & Mech. Col., 30-31; Eng. & journalism, Parson Jr. Col., 32-37; lectr. JOURNALISM, Wisconsin, 39-46; head dept., Lehigh, 46-47; ASSOC. PROF., KENTUCKY, 47- Asn. Ed. in Journalism. Journalistic writing and pictorialization; pictorialization of Franklin Delano Roosevelt; skill imagery in magazine writing, verbal vs. pictorial; tendentious factors that influence public opinion. Publ: Fact-feature writing, privately pub., 65; Frankfort, Ky. says, keep it clean, Am. City Mag., 12/58. Address: Journalism Bldg., University of Kentucky, Lexington, Ky. 40506.
- MOORHOUSE, PROF. WILLIAM F(ORBES), b. Chicago, Ill., Sept. 9, 26; m. 50; c. 3. COUNSELING, PSYCHOLOGY. B.S., Nebraska, 49; M.Ed., Colorado, 53; Ed.D., Wyoming, 61. Teacher & counsr., pub. schs., Nebr., 49-52; guid. dir., Colo., 53-56; guid. coordinator, Wyo., 57-60; guid. dir., Mich., 61-65; dir., Regional Ed. Center Automated Processing, Santa Clara County Schs., 65-67; PROF. GUID. & COUNSELING, WYOMING, 67- Dir. proj. counseling employ-bound students, Nat. Defense Ed. Act grant, 63-65; proj. estab. regional ed. data processing center, Elem. & Sec. Ed. Act grant, 65-67. U.S.N., 44-46. Personnel & Guid. Asn; Psychol. Asn; Asn. Counsr., Ed. & Supv.; Asn. Measurement & Eval. Guid; Nat. Voc. Guid. Asn; Asn. Ed. Data Sys. Counselor education; information systems. Address: Room 35, Education Hall, University of Wyoming, Laramie, Wyo. 82070.
- MOOS, PROF. FELIX, b. Konstanz, Germany, Sept. 29, 28; U.S. citizen; m. 55; c. 1. ANTHROPOLOGY. B.A., Cincinnati, 55; M.A., Washington (Seattle), 57, Ph.D.(anthrop.), 63; Fulbright fel., Tokyo, 59-60. Lectr. anthrop. Inst. Oriental Culture, Dept. Anthropol., Tokyo, 59-60; anthrop. & Far East Studies, Far East div., Univ. Maryland, 60-61; PROF. ANTHROP., KANSAS, 60-, assoc. chmn. dept., 65-67. Lectr., Korea Univ., 64-65. Consult., Agency Int. Develop., Korea, 65- Mem. Cmt. Korean Studies, 67- U.S.A., 50-53, Res., 55-, Capt. Fel. Am. Anthropol. Asn; Soc. Appl. Anthropol; fel. Royal Anthropol. Asn, Korean Br. Far Eastern studies. Publ: Religion and politics in Japan: the case of Soka Gakkai, Asian Surv., Univ., California, 63; Social science factors and considerations in Korean rural development, Agency Int. Develop., 65; Some aspects of Korean acculturation and value orientation since 1950, Korea Univ., 66. Address: Dept. of Anthropology, University of Kansas, Lawrence, Kans. 66044.
- MOOS, PRES. MALCOLM CHARLES, b. St. Paul, Minn., Apr. 19, 16; m. 45; c. 5. POLITICAL SCIENCE. A.B., Minnesota, 37, fel. & M.A., 38; fel., California, 39-41, Ph.D., 42; LL.D., Ohio Northern, Asst., Alabama, 41-42; asst. prof. polit. sci., Wyoming, 42; Hopkins, 42-46, assoc. prof., 46-52, prof., 52-61, 63; adv. pub. affairs, Messrs. Rockefeller, 61-63; prof. polit. sci., Columbia, 63-65; dir. policy & planning, Ford Found., 64-66, dir. off. govt. & law, 66-67; PRES. UNIV. MINNESOTA, MINNEAPOLIS, 67- Vis. prof., Michigan, 55; consult., White House Off., 57-58, admin. asst. to President, 58-60, spec. asst., 60-61. Consult., State Cmn. Orgn. State Govt., Md., 52-54. Dir. res. Cmt. Govt. & Higher Ed., 57-60; mem. cmm. plans & objectives for higher ed., Am. Coun. Ed., 68-70. Polit. Sci. Asn. American presidency; political and administrative processes; leadership; foreign policy. Publ: The Republicans: a history of the party; co-auth., Campus and the state & Hats in the ring. Address: 202 Morrill Hall, University of Minnesota, Minneapolis, Minn. 55455.
- MOOS, DR. RUDOLF H., b. Berlin, Germany, Sept. 10, 34; nat. PSYCHOLOGY. A.B., California, 56, U.S. Pub. Health Serv. fel., 58-59, Ph.D., 60; U.S. Pub. Health Serv. fel., Langley Porter Clin., 59-60. Intern PSYCHOL., San Francisco Vet. Admin. Hosp., 57-58; res. fel., med. center, California, 60-62, instr., exten., 61-62; asst. prof. PSYCHIAT., SCH. MED., STANFORD, 62-67, ASSOC. PROF., 67-, res. assoc. inst. polit. studies, 64-66. Instr., San Francisco State Col., 60-61; res. fel., Palo Alto Vet. Admin. Hosp., Calif., 62- Consult., State Dept. Ment. Hyg., Calif., 63-, State Dept. Corrections, 67- Dipl., Am. Bd. Exam. Prfnl. Psychol., 65. Psychol. Asn; Sociol. Asn; Psychosom. Soc; Anthropol. Asn; Soc. Psychol. Study Social Issues. Psychophysiology of relationships between emotional stressors and psychosomatic disease patterns; interpersonal balances of need satisfactions within family and other closely knit groups; human ecology and the assessment of social environments. Publ: Personality aspects of rheumatoid arthritis: a review, J. Chronic Diseases, 62; co-auth., A multivariate study of the patient-therapist system, J. Consult. Psychol., 67; The assessment of the social atmospheres of psychiatric wards, J. Abnorm. Psychol., 68. Address: Dept. of Psychiatry, Stanford University School of Medicine, 300 Pasteur Dr., Palo Alto, Calif. 94304.
- MOOSBRUKER, DR. JANE BARBARA, b. New York, N.Y., Oct. 29, 38. SOCIAL PSYCHOLOGY. A.B., Adelphi Col., 60; M.A., Radcliffe Col., 62; Ph.D. (soc. psychol.), Harvard, 65. Res. asst. attitudes & disabled persons, Human Resources Found., 60; design ment. hosps., Brooklyn Col., 61-62; from instr. to ASST. PROF. soc. dent. sch. dent. med., Tufts, 64-66; PSYCHOL., BOSTON COL., 66- Res. assoc. sch. dent. med., Harvard, 67- Consult., Cardinal's Cmn. Human Rights, Boston, 67- Psychol. Asn; Soc. Psychol. Study Social Issues. Therapeutic community; social factors in dentistry, including the doctor-patient relationship, dental teams and professional education; action research in intergroup conflicts. Publ: Effects of experience with aged, chronically ill, and handicapped patients on student attitudes, 9/66 & Dental team efficiency and personality characteristics of dental assistants, 12/67, J. Dent. Ed.; Participation of working class mental patients in a mixed-class therapeutic group, Soc. Sci. & Med., 1/67. Address: Dept. of Psychology, Boston College, Chestnut Hill, Mass. 02167.
- MORA, DR. GEORGE, b. Italy, June 26, 23; U.S. citizen; m. 58; c. 3. PSYCHIATRY. M.D., Genoa, 47. Dir. out-patient dept., Bradley Hosp., Providence, R.I., 56-60; MED. DIR., ASTOR HOME FOR CHILDREN, RHINEBECK, N.Y., 61- Rockefeller Found. fel. child psychiatrist, Boston, Mass., 51-52; lectr., & res. assoc., Yale, 57-; lectr., Col. Physicians & Surgeons, Columbia, 64-; asst. clin. prof., N.Y. Med. Col., 65-; clin. assoc. prof., Albany Med. Col., 67- Consult., Nat. Insts. Health, 62-66. Book rev. ed., J. Hist. Behav. Sci., 65- Dipl., Am. Bd. Psychiat., 58, dipl. child psychiatrist, 60. Psychiat. Asn; Asn. Hist. Med; Psychopath. Asn; World Psychiat. Asn. Child and community psychiatry; history of psychiatry. Publ: Recent American psychiatric developments (since 1939), Handbook of Am. Psychiat., 59; The history of psychiatry: a cultural and bibliographical survey, Psychoanal. Rev., 65; History of psychiatry, In: Comprehensive textbook of psychiatry, Williams & Wilkins, 67. Address: 6 Walnut Hill Rd., Poughkeepsie, N.Y. 12603.
- MORACZEWSKI, DR. ALBERT S(TEPHAN), Psychopharmacol., see 11th ed, Phys. & Biol. Vols.
- MORAN, DR. ALFRED A(LOYSIUS), Psychol., see 10th ed, Soc. & Behav. Vols.
- MORAN, DR. GARY P(ATRICK), b. Buffalo, N.Y., Apr. 20, 37; m. 63; c. 2. PSYCHOLOGY. A.B., Florida, 59; M.A., Detroit, 61; Ph.D.(psychol.), Nijmegen, 64. Asst. prof. psychol., Montana, 64-66; asst. prof. PSYCHOL., INDIANA, NORTHWEST CAMPUS, 66-68, ASSOC. PROF., 68- Psychol. Asn. Experimental social psychology. Publ: Dyadic attraction and orientational consensus, 66 & co-auth., Double agreement as a function of item ambiguity and susceptibility to demand implications of the psychological situation, 67, J. Personality & Soc. Psychol., 67; auth., Ordinal position and approval motivation, J. Consult. Psychol., 67. Address: Dept. of Psychology, Indiana University, Northwest Campus, Gary, Ind. 46408.
- MORAN, DR. LEO J(OSEPH), Agr. Econ., see 10th ed, Soc. & Behav. Vols., deceased 65.

- MORAN, PROF. LOUIS J(OSEPH)**, b. New Orleans, La, Jan. 11, 22; m. 49; c. 4. **PSYCHOLOGY**. B.B.A. Texas, 49, fel. 49-50, M.A. 50, Ph.D.(psychol), 53. Clin. psychol. trainee, Vet. Admin. 50-52, clin. psychologist, hosp., Houston, Tex, 52-55; asst. prof. **PSYCHOL. TEXAS**, 55-60, assoc. prof., 60-66, **PROF.**, 66- U.S.A.A.F., 42-45. **Psychol. Asn**; Soc. Multivariate & Exp. Psychol.; Psychonomic Soc. Conceptual processes. Publ: Co-auth, Idiodynamic sets in word association, 64 & auth, Generality of word association response sets, 66, **Psychol. Monogr**; co-auth, Association structures of bright children at age six, *Child Develop.*, 67. Address: Dept. of Psychology, University of Texas, Austin, Tex. 78712.
- MORAN, PROF. ROBERTO E(ARL)**, b. Bayamon, P.R., July 5, 23; m. 55; c. 2. **PSYCHOLOGY**. B.S., Ohio State, 44, M.A., 47; Ph.D.(psychol), London, 59. Supvr, Dept. Ed, P.R., 53-54, res. psychologist, 55-57; asst. dir. ed. TV proj, PUERTO RICO, 60-61, asst. prof. psychol. & guid. counsr, 60-64, asst. dir. Ford Found. prog, 64-65, **PROF. PSYCHOL. EXCEPT. CHILDREN & DIR. MENT. RETARDATION PROG.**, 65- Am. Psychol. Asn; Am. Asn. Ment. Deficiency; Brit. Psychol. Soc. Clinical psychology; training of personnel for exceptional children. Publ: Readings on the education of the mentally retarded and other topics, 66 & Mental subnormality: its causes, treatment and prevention, 67, Casa Editora, Univ. Puerto Rico; Problem of backwardness in Puerto Rico, *Pedagogia*. Address: College of Education, University of Puerto Rico, Rio Piedras, P.R. 00931.
- MORANT, PROF. RICARDO B(ERNARDINO)**, b. New Britain, Conn, Feb. 13, 26; m. 55. **PSYCHOLOGY**. A.B. Harvard, 48; M.A. Clark, 50, Ph.D.(psychol), 52. Instr. **PSYCHOL. BRANDEIS**, 52-55, asst. prof., 55-60, assoc. prof., 60-65, **PROF.**, 65-, CHMN. DEPT., 62- U.S.N.R., 46-48. **Psychol. Asn**; Psychonomic Soc. General experimental psychology; perception. Publ: Co-auth, Two different after-effects of exposure to visual tilts, *Am. J. Psychol.*, 65, Adaptation to prismatically rotated visual fields, *Science*, 65 & Starting position, adaptation and visual framework, *J. Exp. Psychol.*, 66. Address: Dept. of Psychology, Brandeis University, South St, Waltham, Mass. 02154.
- MORAVCIK, DR. IVO**, b. Prague, Czech, Oct. 23, 26; nat. m. 49; c. 2. **ECONOMICS**. B.A. Ohio, 50; M.A. Indiana, 51, Ph.D., 59. Analyst-translator soc. res, Human Rels. Area Files, Yale, 52-53; asst. prof. **ECON**, Detroit Inst. Tech, 54-56; assoc. Indiana, 56-57, asst. 57-59; asst. prof., Earlham Col, 59-60; ALBERTA, 60-63, **ASSOC. PROF.**, 63- Econ. Asn; Can. Asn. Slavists. Comparative economic systems; history of Soviet economic thought. Publ: Professor Katsenelenbaum and the optimum method of financing Soviet industrialization, *Soviet Studies*; Marxian model of growth and the general plan of Soviet economic development, *Kyklos*; Great desideratum of Soviet economic policy, *West. Polit. Quart.* Address: Dept. of Political Economy, University of Alberta, Edmonton, Alta, Can.
- MORAVEC, ADOLPH F**, b. Gloversville, N.Y., May 21, 20; m. 49; c. 2. **COMPUTER SCIENCES, ECONOMICS**. B.B.A. Southern Methodist, 49; M.B.A. Texas Christian, 53. Sr. mat. analyst, Gen. Dynamics Corp, 53-55; assoc. economist, Southwest Res. Inst, 55-56; mem. sr. staff, Thompson-Ramo-Wooldridge, Inc, 56-61; supvr. opers. res, Opers. Res. Inc, 61-63; **COMPUT. SCI**, Gen. Dynamics Corp, 63-66; **RES. DIR. BOOZ-ALLEN APPL. RES.**, INC, 66- Inst. Mgt. Sci. Computer and management science operations; consulting for both military and commercial clients. Publ: Co-auth, Management systems, Wiley, 67 & Accounting and the computer, *Am. Inst. Cert. Pub. Act.*, 66; Using simulation to design management information system, *Mgt. Serv.*, 66. Address: Booz-Allen Applied Research, Inc, 100 W. Monroe St, 13th Floor, Chicago, Ill. 60603.
- MORAWETZ, JOHN H**, b. Vienna, Austria, Apr. 21, 21; m. 49; c. 1. **ECONOMICS, STATISTICS**. B.A., Brooklyn Col, 48; M.A. N.Y. Univ, 49. Bus. economist, bur. labor statist, U.S. Dept. Labor, 50-53; chief statistician, F.W. DODGE, McGRAW-HILL, INC, 54-63, **MGR. MKT. RES. DEPT.**, 64- Lectr, Brooklyn Col, 53-55; adj. assoc. prof. & chmn. dept. econ, Mitchell Col, 59-65. U.S.A., 43-46. Econ. Asn; Statist. Asn; Mkt. Asn; Asn. Bus. Econ. Construction and productivity statistics. Publ: Cost savings through standardization, simplification and specialization in the clothing industry; Case study data on productivity and factory performance; Methodology underlying the Dodge index of construction contracts, seasonally adjusted. Address: 77-36 252nd St, Bellerose, N.Y. 11426.
- MORDKOFF, DR. ARNOLD M**, b. New York, N.Y., May 25, 36; m. 60; c. 2. **PSYCHOLOGY**. B.A. Brooklyn Col, 57; M.A. Wesleyan, 59; U.S. Pub. Health Serv. fel, California, Berkeley, 60-63, Ph.D.(psychol), 63. Instr. psychol, San Francisco State Col, 62-63; res. psychologist, California, Berkeley, 63; instr. **MED. PSYCHOL. SCH. MED. OKLAHOMA**, 63-64, **ASST. PROF.**, 64- Clin. investr, Okla. Med. Res. Found, 64- AAAS; Psychol. Asn; Soc. Psychol. Study Soc. Issues; Soc. Psychophysiol. Res. Experimental personality; psychophysiology; behavior genetics. Publ: The relationship between psychological and physiological response to stress, *Psychosom. Med.*, 64; co-auth, Developmental homeostasis in locomotor activity and grooming behavior of mice, *J. Heredity*, 64 & Functional versus nominal antonymy in semantic differential scales, *Psychol. Report*, 66. Address: Dept. of Psychology, University of Oklahoma School of Medicine, Oklahoma City, Okla. 73069.
- MORE, DR. DOUGLAS M(ILLS)**, b. Palo Alto, Calif, Apr. 16, 19; m. 54; c. 4. **SOCIAL SCIENCE**. Ph.D.(human develop), Chicago, 51. Instr. meteorol, Chicago, 47, asst. common human develop, 47-49, res. assoc, 49-51; asst. prof. ed, Wash. State Col, 51-52; sociol, Northwestern, 52-55; mgt. consult. & sr. assoc, McMurtry Hamra & Co, 55-58; sr. assoc, NK & Assocs, Inc, 58-64; assoc. prof. **SOCIOL.**, Southern Illinois, 64-68; **PROF.**, NORTHERN ILLINOIS, 68- Personnel psychol. consult, Worthington Assocs, Inc, 50-51. U.S.A.A.F., 42-46, Capt. **Psychol. Asn**; Sociol. Asn. Personality factors in occupational choice; social class and mobility analysis; statistical applications and projective techniques. Publ: Developmental concordance and discordance during puberty and early adolescence, *Res. Child Develop*; The foreman, personality portrait, *J. Personnel Admin. & Indust. Rels*; Social origins and occupational adjustment, *Soc. Forces*. Address: Dept. of Sociology, Northern Illinois University, DeKalb, Ill. 60115.
- MOREHEAD, PROF. CHARLES G(ALLOWAY)**, b. Batesville, Ark, Aug. 13, 06; m. 47; c. 2. **EDUCATIONAL PSYCHOLOGY**. B.A. Hendrix Col, 28; M.A. Duke, 31; M.Ed. Kansas, 48, Ed.D.(ed. psychol, guid), 53. **Psychometrist & voc. adv.**, Vet. Admin, 45-47; assoc. prof. ed, Ark. Polytech. Col, 48-54, prof., 54-57, dir. counseling & guid, 48-57; assoc. prof. GUID, N.C. STATE, 57-66, **PROF.**, 66- U.S.A.A.F., 43-45. **Psychol. Asn**; Personnel & Guid. Asn; Asn. Counsr. Ed. & Supv.(pres, 57-58). Counseling theory and procedures; group guidance and counseling; personnel and guidance services; practicum in counseling. Publ: Co-auth, Career planning and development, *State Dept. Pub. Instr.*, 66; auth, Experimental evaluation of a small high school counseling program, *Sch. Counsr*; co-auth, Some effects of a faculty advising program, *Personnel & Guid. J.*, 64. Address: School of Education, North Carolina State University, Raleigh, N.C. 27607.
- MOREHOUSE, DR. E(DWARD) W(ARD)**, b. Yonkers, N.Y., Sept. 16, 96. **ECONOMICS**. A.B. Amherst Col, 18, hon. M.A., 58; A.M. Wisconsin, 20, res. fel, 26-27, Ph.D., 27. Asst. & instr, Wisconsin, 19-25; asst. prof, Northwestern, 25-29, assoc. prof, 29-31, res. assoc, inst. econ. res, 25-31; chief rates & res. dept, State Pub. Serv. Cmn, Wis, 31-40; economist, trustees, Assoc. Gas & Elec. Corp, 40-45; v.pres, Gen. Pub. Utilities Corp, 46-61; **RETIRED**. Pres, Utilities Mutual Ins. Co, 48-62; regent's lectr, California, Santa Barbara, 66. Consult, Tenn. Valley Authority, 34-48; U.S. Atomic Energy Cmn, 49-52, 63-; Defense Prod. Admin, 51; Gen. Pub. Utilities Corp, 61-65; Fed. Power Cmn, 62-65; Atomic Power Develop. Assocs, 65- Managing ed, J. Land & Pub. Utility Econ, 25-32. Chmn. elec. power adv. cmt, Defense Prod. Admin, 51; cmt. on econ, Atomic Power Develop. Assocs, 54-; mem. adv. cmt. to Fed. Power Cmn. for Nat. Power Surv, 62-65; ad hoc adv. cmt. to Atomic Power Cmn. on Coop. with Elec. Power Indust, 64. Fel. AAAS; Econ. Asn; Statist. Asn; Nuclear Soc; Newcomen Soc; Acad. Polit. Sci; Indust. Rels. Res. Asn. Land economics; public utility economics. Publ: Regularization of investment in public utilities; co-auth, Elements of land economics; auth, Industrial law in the making, *Quart. J. Econ.* Address: 65 Allison Rd, Princeton, N.J. 08540.
- MOREHOUSE, DR. THOMAS A(LVIN)**, b. Minneapolis, Minn, May 26, 37; m. 59; c. 3. **POLITICAL SCIENCE**. A.B. Harvard, 60; M.A.P.A., Minnesota, 61 & Ph.D.(pub. admin), 68. Prog. analyst, U.S. Housing & Home Finance Agency, 63-65; prog. officer, U.S. Dept. Housing & Urban Develop, 65-67; **ASST. PROF. POLIT. SCI, ALASKA**, 67- Polit. Sci. Asn; Soc. Pub. Admin. Public administration; organizational theory; local politics. Address: Institute of Social, Economic & Government Research, University of Alaska, College, Alaska 99701.
- MORELAND, PROF. LOIS B(ALDWIN)**, b. Washington, D.C., Sept. 18, 33; m. 58; c. 1. **GOVERNMENT, CONSTITUTIONAL LAW**. A.B. Sarah Lawrence Col, 55; M.A. Howard, 57; American Univ, 58-59, United Negro Col. Fund fel, 64-65, summer, 67. Asst. & instr. soc. sci, Howard, 56-57; secy. Southeast. Regional Field, Nat. Asn. Adv. Colored People, 57-58; legal adv. legis. reference serv, Am. Law Div, Library Cong, 58-59; asst. to Senator Vance Hartke, 59; instr. **SOC. SCI, SPELMAN COL**, 59-60, **ASST. PROF.**, 60- Polit. Sci. Asn. Fundamental problems of government in the United States; doctrinal problems of constitutional law. Address: Dept. of Political Science, Spelman College, Atlanta, Ga. 30314.
- MORELL, PROF. R. W**, b. Chicago, Ill, Jan. 16, 24; m. 48; c. 3. **MANAGEMENT, BEHAVIORAL SCIENCE**. Ph.B. DePaul, 46; Northwestern, 46-47; M.B.A. Chicago, 50; Ph.D.(mgt), St. Louis, 57. Instr. acct, DePaul, 46-50; acct, S.A. Bell & Co, 50-51; instr. bus. admin, St. Louis, 51-57; asst. prof. MGT, Detroit, 57-59; **PROF. & CHMN. DEPT.**, St. Joseph Col, 59-64; **SOUTH FLORIDA**, 64-, assoc. dir, Inst. Geront, 68-69. Ford Found. fel, Indiana, 61. Consult, St. Joseph's Hosp, Tampa, Fla, 66-67; Goodwill Suncoast, Inc, Fla, 67; Gen. Tel. Co, Fla, 67-68; Fla. Steel Corp, 67-68. Ed. bus. admin, Bruce Pub. Co, 66-67. Treas. & dir, Concept, Inc, 65-66. Acad. Mgt; Gerontol. Soc. Managerial decision-making; philosophy of management; psychology of administration; organization theory; personnel, institutional & financial management; medical and hospital administration; gerontology; managerial accounting. Publ: Managerial decision-making, 60 & ed, Fundamentals of industrial management, 63, Bruce; auth, Management: ends and means, Chandler, 68. Address: Dept. of Management, University of South Florida, Tampa, Fla. 33620.
- MORENO, DR. JOSE A**, b. Sagua La Grande, Cuba, Aug. 4, 28; U.S. citizen; m. 66; c. 1. **SOCIOLOGY**. Ph.Lic, Comillas Univ, Spain, 55; Oxford, 56-58; M.A. St. Mary's (N.S.), 60; Sth.Ma, St. Regis Col, Toronto, 60; Ph.D. (sociol), Cornell, 67. **ASST. PROF. SOCIOL, PITTSBURGH**, 67- Sociol. Asn; Rural Sociol. Soc. Latin American studies; revolutions; social movements. Publ: Barrios in arms, *Univ. Pittsburgh*, 68; co-auth, Economic development and social rigidity, *Econ. Develop. & Cultural Change*, 7/65; auth, Sociological aspects of the Dominican Revolution, *Latin. Am. Prog.*, Cornell Thesis Series, 10/67. Address: 3084 Marshall Rd, Pittsburgh, Pa. 15214.
- MOREY, DONALD J(AY)**, b. Portland, Ore, Mar. 20, 23; m. 48; c. 3. **ECONOMICS**. B.A. Reed Col, 50; M.A. Chicago, 51. Economist & res. analyst, J. Henry Helsel & Co, 53-62; **ECONOMIST, BONNEVILLE POWER ADMIN**, 52-53, 62- U.S.N.R., 43-47, Ens. Econ. Asn. Money and banking; international trade; security analysis. Publ: Pacific Northwest economic base study for power markets: population, labor force, chlorine & caustic soda industry, Bonneville Power Admin, 66. Address: 7516 S.W. 60th Ave, Portland, Ore. 97219.
- MOREY, DR. JAMES L(ISLE)**, b. Terre Haute, Ind, Apr. 27, 25; m. 47; c. 3. **EXPERIMENTAL PSYCHOLOGY, OPERATIONS RESEARCH**. B.S. Miami (Ohio), 47; M.A. Harvard, 51, Ph.D. 53. Res. psychologist, psychol. res. unit, Mount Holyoke Col, 52-53; asst. prof. psychol, Utah, 53-56; asst. soc. scientist, Rand Corp, 56-57; assoc. soc. scientist, Syst. Develop. Corp, 57-58, sr. opers. res. scientist, 58-60; sub-dept. head, Mitre Corp, 60-62, assoc. dept. head, 62-64; **DIR. peace res. & ed. proj.**, Students Democratic Soc, 64-65; disarmament & soc. change proj, Am. Friends Serv. Cmt, 65-67; **URBAN PLANNING AID, INC**, 67- Nat. Sci. Found. res. grants, 54 & 55. U.S.N.R. 43-48, Ens. AAAS; Psychol. Asn. Urban planning; systems analysis; economic conversion and disarmament; technology and culture; community organizations. Address: 3 Webster Rd, Lexington, Mass. 02173.

MOREY, DR. ROBERT H(AVENS), b. Canandaigua, N.Y., Nov. 6, 09. PSYCHOLOGY, ANTHROPOLOGY. Ph.B. Brown, 31; Walker fel, Princeton, 32-33, Proctor fel, 33-34, Ph.D. 34; Yale, 40-41; George Washington, 44-46. Fel, Int. Inst. African Lang. & Cultures, Eng, 34-35; Soc. Sci. Res. Coun. fel, Liberia & Yale, 35-37; exec. secy, Sci. of Man Found, 38; labor rels. specialist, U.S. Dept. Agr, 42-43, 44-45; lectr. sociol, Hobart & William Smith Colls, 46; EXEC. SECY, SCI. OF MAN FOUND, 47- Economist, Bd. Econ. Warfare, 43-44; labor economist, War Food Admin, 45. AAAS; Psychol. Asn; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Basic needs, habits and traits; basic rights of man in society. Publ: Basic and common rights of man; Morey social science digests and indexes, Vols. I-VII; Religion is science, In: Morey social science indexes, 65. Address: Science of Man Foundation, Morey House, Canandaigua, N.Y. 14424.

MOREY, DR. ROY DOUGLAS, b. Reno, Nev, July 16, 37; m. 58; c. 2. POLITICAL SCIENCE. B.A. Northern Arizona, 59; M.A. Arizona, 61, Ph.D.(govt), 64; Nat. Center Ed. in Polit. fel, Off. Gov. Ariz, 61-62. Am. Polit. Sci. Asn. cong. fel, 64-65; ASST. PROF. POLIT. SCI, DENISON, 65- Polit. Sci. Asn. American political behavior, especially state politics, congressional behavior and public policy. Publ: Politics and legislation: the office of governor in Arizona, Univ. Arizona, 65; co-ed, Readings in American public opinion, Am. Book Co, 68. Address: Dept. of Political Science, Denison University, Granville, Ohio 43023.

MORGAN, ANTONIA BELL, b. Strawberry Hill, Eng, Oct. 5, 14; nat; m. 44; c. 3. PSYCHOLOGY. B.A. Oxford, 36, Page scholar, 41-42, M.A., 45; London, 37-38. Guid. counsr. & chmn. dept. classical studies, St. Albans Sch, Eng, 38-41; lectr. Brit. Ministry Info, 42; asst. prin. res. soc. probs, India Off. Brit. Govt, 43-45; ASSOC. DIR. & PSYCHOLOGIST, APTITUDE ASSOCS, 46- AAAS; Psychol. Asn. Identification and psychological assessment of gifted children; development of aptitude and proficiency tests for superior adults; validity criteria for academic and vocational success; projective techniques. Publ: Identification and guidance of gifted children, Sci. Monthly; Logical reasoning with and without training, J. Appl. Psychol; The selection of scientific talent, Psychol Reports. Address: Aptitude Associates, 2816 Gallows Rd, Vienna, Va. 22180.

MORGAN, DR. ARTHUR E(RNEST), Hydraul, see 11th ed, Phys. & Biol. Vols.

MORGAN, DR. BRUCE WHITNEY, b. Norwalk, Conn, Oct. 5, 37; m. 63; c. 1. ECONOMICS. B.A. Yale, 59, Earhart fel, 59-61, M.A., 60, Ph.D.(econ), 66. Teaching asst. econ, Yale, 62-63; instr, Illinois, Urbana, 63-66, ASST. PROF, 66-67; FINANCE, PENNSYLVANIA, 67- Econ. Asn; Economet. Soc. Monetary and financial theory. Publ: An introduction to Bayesian statistical decision processes, Prentice-Hall, 5/68. Address: Dept. of Finance, University of Pennsylvania, Philadelphia, Pa. 19104.

MORGAN, DR. CARL E(WOOD), b. Kansas City, Kans, Dec. 26, 25; m. 48; c. 2. CLINICAL PSYCHOLOGY. B.S. Kansas State, 49, M.S., 50; Oklahoma, 50-51; Ph.D. Houston, 56. Sr. clin. psychologist, Calif. Youth Authority, 54; staff psychologist, Beaumont Remedial Center, Tex, 55-56; clin. psychologist, Vet. Admin. Hosp, Knoxville, Iowa, 56-58, Des Moines, 58-62, chief clin. psychol. sect, 62-66; ASSOC. DIR. & CHIEF CLIN. PSYCHOLOGIST, DELAUNAY INST. MENT. HEALTH, 68- Private practice, 66- Consult, Marshall County Ment. Health Center, Iowa, 58; private consult, 59-; consult, div. correction & ment. health, Bd. Control, State of Iowa, 66-68; Polk County Ment. Health Center Bd, Inc, Iowa, 67-68. Chmn. bd. exam, Iowa Psychol. Asn, 63-68. Dipl. clin. psychol, Am. Bd. Exam. Prfnl. Psychol, 63. U.S.A.A.F, 44-46; U.S.N, 51-53, Res, 53-, Lt. Comdr. Psychol. Asn; Acad. Psychother. Individual and group psychotherapy; training of psychology interns; consulting services to physicians, psychiatrists, psychologists, social workers, agencies and institutions. Address: Delaunay Institute for Mental Health, 6419 N. Portsmouth Ave, Portland, Ore. 97203.

MORGAN, DR. CHARLES S(TILLMAN), b. Niles, Mich, Dec. 29, 91; m. 17; c. 2. ECONOMICS. A.B. Michigan, 14; Ph.D. Yale, 20. Instr, Marietta Col, 14-16; asst. & assoc. economist, Nat. Bur. Standards, 18-20; valuation analyst, Interstate Commerce Cmn, 20-23; sr. res. staff, Inst. Econ, 23-27; sr. economist, INTERSTATE COMMERCE CMM, 27-28, prin. economist, 28-33, dir. res. Fed. Coordinator Transportation, 33-36, head economist & asst. dir. bur. motor carriers, 36-42, chief carrier res. analyst, 42-57, TRANSPORTATION CONSULT, 57- Lectr, grad. sch, American Univ, 27-41. Hart, Schaffner & Marx prize, 21. Econ. Asn; Statist. Asn. Transportation economics; regulation of public service industries. Publ: Regulation and the management of public utilities; The St. Lawrence navigation and power project; Public aids to transportation. Address: 5721 Chevy Chase Pkwy, Washington, D.C. 20015.

MORGAN, PROF. CHESTER A(LAN), b. Olds, Iowa, Jan. 16, 14. LABOR ECONOMICS. A.B. Iowa, 36, A.M., 45, Ph.D. 51. Assoc. prof. econ, Simpson Col, 46-47, prof. & chmn. dept, 47-52; asst. prof. LABOR & MGT, IOWA, 52-57, assoc. prof, 57-61, PROF, 61-, CHMN. DEPT. ECONOMICS, 65-, head dept. labor & mgt, 57-64. Econ. Asn; Indust. Rels. Res. Asn. Publ: Labor economics, Dorsey, 62, rev. ed, 66; Analysis of postwar American labor relations legislation. Address: Dept. of Economics, State University of Iowa, Iowa City, Iowa 52240.

MORGAN, DR. CLELLEN L(EO), b. Lakeville, Ohio, Aug. 9, 03; m. 28; c. 5. CLINICAL PSYCHOLOGY. A.B. Denver, 29; M.A. Iowa, 30, Ph.D.(psychol), 31. Instr. psychol, Purdue, 31-35, asst. prof, 35-37, assoc. prof, 37-47; lectr, Michigan, 47-48; asst. br. chief clin. psychologist, Vet. Admin, 48-49, chief clin. psychologist, Vet. Admin. Regional Off, Ment. Hyg. Clin, 49-66, alternate chief psychologist, area off, Trenton, N.J., 60-62; chief, Bur. Community Ment. Health Serv, State of Nev, 66-68; EXEC. DIR, SOUTHEAST WYO. MENT. HEALTH CENTER, INC, 68- Private practice, 55-; lectr, Pa. State, 60-65. Consult, Larchwood Sch, 60-62; Phila. Ment. Health Clin, 61-66. Mem. exec. coun. Psychol. Inst. Psychother, Inc, 60-66. Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn; Soc. Proj. Tech. & Personality Assessment; affiliate, Am. Col. Neuropsychiat. Psychotherapy; diagnosis; learning. Publ: Introduction to educational psychology. Address: 305 E. 24th St, Cheyenne, Wyo. 82002.

MORGAN, DR. CLIFFORD T(HOMAS), Psychol, see 11th ed, Phys. & Biol. Vols.

MORGAN, DR. DAVID H(ITCHENS), b. Portsmouth, Va, Jan. 2, 09; m. 33; c. 2. EDUCATIONAL PSYCHOLOGY. A.B. Occidental Col, 32; M.A. California, 33, Ph.D.(ed. psychol), 38; LL.D. Central Michigan, 59. Asst. inst. child welfare, California, 34-35, lectr, 41-43; from teacher to asst. supt, Calif. Sch. for Blind, 35-45; head dept. psychol. & ed. Col. Agr. & Mech. Col, 46-50, dean grad. sch, 48-52, col, 50-52; agr. & mech. col, Tex, 52-53, pres, 53-56; DIR. COL. RELS. & CHMN. CONTRIB. CMT. ED. & SECY. CONTRIB. CMT, DOW CHEM. CO, 57- EXEC. DIR, MICH. FOUND. ADV. RES, 67- V-pres, Foundry Ed. Found, 60-61, pres, 61-62, bd. trustees; mem. bd. control, Michigan Tech, 64-73; v.chmn, 68. Soc. Eng. Ed. (treas, 68); Mfg. Chem. Asn. Publ: Twin similarities in photographic measures of eye movements while reading prose, co-auth, Problems of college students, 2/49 & Use of standard tests in counseling engineering students in college, J. Ed. Psychol. Address: 612 N. Saginaw Rd, Midland, Mich. 48640.

MORGAN, PROF. DONALD G(RANT), b. Chicago, Ill, June 7, 11; m. 42; c. 4. POLITICAL SCIENCE. A.B. Cornell, 33; scholar, Geneva, 36; Ed.M. Harvard, 38, A.M., 39, Ph.D.(polit. sci), 42. Instr. hist. & polit. sci, Trinity Col. (Conn), 39-43; POLIT. SCI, MT. HOLYOKE COL, 43-46, asst. prof, 46-49, assoc. prof, 49-55, PROF, 55-, chmn. dept, 50-56. Vis. lectr, Smith Col, 46-47; res. grants, Soc. Sci. Res. Coun, 48-49, 58-59 & 60-62, Am. Philos. Soc. 58-59, 60-61 & 65 & Walter E. Meyer Res. Inst. Law, Inc, 65; sr. fel, Yale Law Sch, 67-68. Mem. ad hoc cmt. rehab, Nat. Inst. Neurol. Diseases & Blindness, 67- Polit. Sci. Asn. American constitutional law and history; American political theory. Publ: Justice William Johnson, the first dissenter, Univ. South Carolina, 54; Marshall, the Marshall court and the constitution, In: Chief Justice John Marshall; a reappraisal, Cornell, 56; Congress and the constitution: a study of responsibility, Harvard, 66. Address: Dept. of Political Science, Mount Holyoke College, South Hadley, Mass. 01075.

MORGAN, PROF. ELMER FLOYD, JR, Psychol, see 10th ed, Soc. & Behav. Vols.

MORGAN, PROF. GLENN G, b. Astoria, Ore, Apr. 23, 26; div; c. 2. POLITICAL SCIENCE. B.A. Oregon, 49, M.A. 50; Philip Francis Dupont fel, Virginia, 50-52, Ph.D.(polit. sci), 60; Harvard, 55-56. Res. analyst, Nat. Security Agency, 52-58; asst. prof. POLIT. SCI, SAN JOSE STATE COL, 59-63, assoc. prof, 63-66, PROF, 66-, faculty res. grants, 61, 65. Hoover Inst. res. grant, 63-64; Relm Found. res. grant, 64-65; Am. Philos. Soc. res. & travel grant, U.S.S.R, 66; Am. Coun. Learned Soc. res. grant, 66-67; mem. staff, Stanford, 62. Mem. Far West. Slavic Conf, 59- U.S. Merchant Marine, 44-45. Political Sci. Asn; Asn. Adv. Slavic Studies. Soviet administrative law, especially as regards agency and officials' actions being subject to the review of the Soviet Attorney General's office; non-judicial challenge by Soviet citizens of the legality of lower governmental administrative acts. Publ: Soviet administrative legality; the role of the attorney general's office, Stanford, 62; People's justice: the anti-parasite laws, people's volunteer militia, and comrades' courts, In: Vol. 7, 63 & Legal controls in the Soviet Union; In: Vol. 13, 66, Law in eastern Europe, Leyden: A.W. Sijthoff. Address: Dept. of Political Science, San Jose State College, 125 S. Seventh St, San Jose, Calif. 95114.

MORGAN, DR. GORDON DANIEL, b. Conway, Ark, Oct. 31, 31; m. 57; c. 4. SOCIOLOGY. B.A. Ark. Agr. Mech & Normal Col, 53; M.A. Arkansas, 56; summers, Minnesota, 57-59; Ph.D.(sociol), Washington State, 63. Teacher, high sch, Conway, Ark, 56-59; instr. sociol, Ark. Agr. Mech & Normal Col, 59-60; res. asst. Teachers Col, Columbia, 63-65; asst. prof. SOCIOL, LINCOLN, 65-67, ASSOC. PROF, 67- Res. asst. Teachers for E.Africa Proj, Kampala, Uganda, 63-65. U.S.A., 53-57, 1st Lt. Sociol. Asn. Criminology; educational sociology. Publ: African vignettes, New Scholars 67; Representations of whites and Negroes as employees in federal prison system, Phylon, fall 62; Predicting performance of African students on the Cambridge, J. Negro Ed, spring 67. Address: Dept. of Sociology, Lincoln University, Jefferson City, Mo. 65101.

MORGAN, DR. HENRY H(OLLINSHEAD), b. St. Paul, Minn, May 4, 19; m. 47. PSYCHOLOGY. B.A. Harvard, 41; M.S. Minnesota, 48, Ph.D.(psychol), 51. Res. psychologist, Wesleyan, 51-52; staff psychologist, Psychol. Corp, 52-58; counseling psychologist & lectr, California, 58-61; STAFF PSYCHOLOGIST, PSYCHOL. CORP, 61- Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.A.A.F, 42-45, 1st Lt. Fel. Psychol. Asn; Personnel & Guid. Asn. Career counseling; personality assessment; consulting psychology. Publ: Psychometric comparison of achieving and nonachieving college students of high ability & Measuring achievement motivation with picture interpretations, J. Consult. Psychol; What's in a picture?, Res. Rev. Address: Psychological Corp, 304 E. 45th St, New York, N.Y. 10017.

MORGAN, DR. HOWARD EDWIN, b. Port Jervis, N.Y., Nov. 8, 13; m. 43; c. 6. ECONOMICS. B.S. Wisconsin, 41; M.B.A. California, Berkeley, 51, Ph.D. (econ), 63. Statistician, Nat. Dairy Prod. Corp, 46-49; instr. mkt. & econ, Utah, 52-57; asst. prof, Sacramento State Col, 57-59; prof. bus. admin, Arizona, 59-66; ECONOMIST, INST. APPL. TECH, NAT. BUR. STANDARDS, 67- Participant, Nat. Sci. Found. Seminar Regional Sci, summer 62; economist, U.S. Dept. Commerce, 64-65. Sig.C, U.S.A., 42-46. Econ. Asn; Agr. Econ. Asn; Regional Sci. Asn. Marketing and economic development; regional economics; economic effect of technology; measurement of economics of non-market organizations. Publ: Proceedings of economic development institute of Arizona, 61-63 & The motel industry in the United States, 64, Univ. Arizona; Concentration in food marketing, J. Farm Econ, 8/66. Address: Institute for Applied Technology, National Bureau of Standards, Washington, D.C. 20234.

MORGAN, PROF. H(UGH) GERTHON, b. Greenville, S.C., May 8, 15; m. 50; c. 1. DEVELOPMENTAL & EDUCATIONAL PSYCHOLOGY. B.A. Furman, 40; Coun. Ed. fel, Chicago, 42-43, M.A., 43, Charles W. Walgreen Found. fel, 45-46, Ph.D. 46. Teacher, pub. sch, S.C., 40-42; asst. human develop, Chicago, 43-45, res. assoc, 45-46; asst. prof. ED, Delaware, 46-47; assoc. prof.

MARYLAND, 47-49, PROF. 49-, DIR. INST. CHILD STUDY, 60- Consult, U.S. Dept. State, Germany, 49. AAAS; Psychol. Asn; Soc. Res. Child Develop. Application of knowledge of the growth, development, behavior, learning and adjustment of human beings in education. Publ: Co-auth, Teacher education in Germany, 49, Social history of a war-boom community, Longmans-Greene, 51 & Feelings and learning, Asn. Childhood Ed. Int. 66. Address: 3202 Leland, Chevy Chase, Md. 20015.

MORGAN, DR. JACK COLLINS, b. New Albany, Ind, Sept. 6, 37; m. 61; c. 1. ECONOMICS, EDUCATION. B.A. DePauw, 59; Carnegie fel. & M.A. George Peabody Col, 60; Ph.D.(sec. curriculum), Purdue, 67. Teacher, high sch, Ind, 61-64; teaching assoc. sec. ed, Purdue, 64-66; ASST. PROF. ED. & ECON. BALL STATE, 66- U.S. Off. Ed. fel, 67-; lectr, Virginia, 68. Dir. workshop econ. ed, Ball State, summer 67. Consult, E. Cent. Ind. Curriculum Proj, spring 67; workshop consumer econ. ed, Indiana State, summer, 67. U.S.A.F.R. 60-66, S/Sgt. Ed. Res. Asn. Secondary social studies curriculum; curriculum design based on behavioral objectives; conceptual approach to elementary and secondary economic education; analytical examination of the teaching act. Publ: Teacher's holiday, J. Ed, 5/60; A study of the observed behaviors of student teachers in secondary social studies as correlates with certain personality characteristics and creativity, Classroom Interaction Newsletter, 5/67. Address: Dept. of Social Science & Education, Ball State University, Muncie, Ind. 47306.

MORGAN, PROF. JAMES NEWTON, b. Corydon, Ind, Mar. 1, 18; m. 45; c. 4. ECONOMICS. A.B. Northwestern, 39; M.A. Harvard, 41, Ph.D. 47. Asst. prof. econ, Brown, 47-49; Carnegie res. fel, MICHIGAN, 49-51, asst. prof. dir, SURV. RES. CENTER, 51-56, PROG. DIR, 56-, PROF. ECON, UNIV, 57-, assoc. prof, 54-57. Fel. Cent. Adv. Study Behav. Sci, Calif, 55-56. Econ. Asn; Statist. Asn; Economet. Soc. Consumer behavior; economic theory; statistics. Publ: Productive Americans; Economic behavior of the affluent; The detection of interaction effects. Address: 1217 Bydging Rd, Ann Arbor, Mich. 48103.

MORGAN, DR. JOHN ANDREW, JR, b. Cary, N.C, May 26, 35; m. 58; c. 2. POLITICAL SCIENCE. A.B. Stetson, 57; Woodrow Wilson fel. & A.M. Duke, 59, South. Fel. Fund fel. & Ph.D.(polit. sci), 63. Soc. sci. analyst, U.S. Cmn. Civil Rights, summer, 59; instr. POLIT. SCI, Southwestern Louisiana, 60-62; Duke, 62-64; asst. prof. GEORGE WASHINGTON, 64-, ASSOC. PROF, 68-Summers, res. assoc, Duke, 63, 64, vis. res. assoc, 65. Res. consult, Natl. Inst. Ment. Health proj, Duke, 64-66, Columbia, 66-67. Mem. adv. cmt, Washington Tapes, Inc, 64-66. Polit. Sci. Asn; Law & Society Asn. Civil rights and liberties; labor law; judicial decision-making; public policy formulation and administration. Publ: Co-auth, The politics of mental health, Columbia, 68; auth, The supreme court and the non-communist affidavit, Labor Law J, 1/59; Supreme court interpretations vs. congressional intent, Univ. Pittsburgh Law Rev, 3/60. Address: Dept. of Political Science, George Washington University, Washington, D.C. 20006.

MORGAN, DR. JOHN GRAHAM, b. Barrow-in-Furness, Eng, Aug. 11, 40. SOCIOLOGY. B.A. Nottingham, 62; M.A. McMaster, 63; Brit. Govt. state studentship, Oxford, 63-66, D.Phil, 66. Tutor, dept. soc. & admin. studies, Oxford, 65-66; ASST. PROF. SOCIOL, DALHOUSIE, 66- Soc. Sci. Study Relig. Sociology of religion and organizations; history of the development of sociology, especially in the United States; Icelandic social organization. Address: Dept. of Sociology & Anthropology, Dalhousie University, Halifax, N.S. Can.

MORGAN, DR. PATRICK M, b. Syracuse, N.Y, Dec. 6, 40; m. 63; c. 1. POLITICAL SCIENCE. B.A. Harpur Col, 62; M.A. Yale, 64, Ph.D.(polit. sci), 67. ASST. PROF. POLIT. SCI, WASHINGTON STATE, 67- Polit. Sci. Asn; Asn. Adv. Slavic Studies; Int. Studies Asn. Soviet politics; honorary awards in Soviet society; political socialization; international politics; American foreign policy. Address: Dept. of Political Science, Washington State University, Pullman, Wash. 99163.

MORGAN, PROF. ROBERT J(AMES), b. Port Jervis, N.Y, July 25, 18; m. 43; c. 2. POLITICAL SCIENCE. B.S. Iowa State Col, 40; Ph.D.(polit. sci), Virginia, 51. Asst. prof. POLIT. SCI, Nebraska, 51-56, assoc. prof, 56-57; VIRGINIA, 57-65, PROF, 65-, exec. officer, 58-60, 62-64. Sue Reid Slaughter vis. lectr, Sweet Briar Col, 66-67. Mem. staff, Resources for Future, Inc, D.C, 60-62. U.S.A. 40-46, Lt. Col. Am. Polit. Sci. Asn; Int. Polit. Sci. Asn. American government and political theory. Publ: Whig embattled: the Presidency under John Tyler; Governing soil conservation: thirty years of the new decentralization, Hopkins, 66; contrib, Pressure groups in American politics, Scribner, 66. Address: 202 Cabell Hall, University of Virginia, Charlottesville, Va. 22901.

MORGAN, PROF. ROBERT M, Psychol, see 10th ed, Soc. & Behav. Vols.

MORGAN, DR. ROBERT M(OORE), b. Lenox, Iowa, Apr. 10, 16; m. 40; c. 3. PSYCHOLOGY. B.S. Iowa State Col, 37; M.A. Columbia, 38; Ed.D.(psychol. serv), 51. Asst. prof. psychol. & ed, CARNEGIE-MELLON UNIV, 47-52, ASSOC. PROF. PSYCHOL, 52-, DIR. COUNSELING, 52-, assoc. counseling, 47-52. Psychol. Asn. Counseling; teaching; personality development. Publ: Co-auth, Democracy and its competitors; Defense of the western hemisphere; auth, Group guidance by testing and impersonal mailed reports, Personnel & Guid. J. Address: 11 Dunmoyle Place, Pittsburgh, Pa. 15217.

MORGAN, DR. ROSS L(LEWELLYN), b. Griswold, Iowa, Aug. 29, 26; m. 5. PSYCHOLOGY. B.A. Northwestern, 47, M.A. 49, Ph.D. 54. Res. psychologist, aeromed. lab, WRIGHT-PATTERSON AIR FORCE BASE, 51-58, asst. chief, TRAINING RES. DIV, BEHAV. SCI. LAB, 58-62, CHIEF TECH. TRAINING BR, 62- Prof, Central State, 66- Psychol. Asn; Ed. Res. Asn. Human learning; educational and training techniques and systems. Publ: Co-auth, Environmental context and transfer, Transfer along speed dimension & Automated training in the modern military organization, Wright Air Development Div. Tech. Report. Address: 716 S. High St, Yellow Springs, Ohio 45387.

MORGAN, DR. ROY A(MOS), b. Burke, S.Dak, Mar. 16, 16; m. 44; c. 4. COUNSELING, GUIDANCE. B.S. Colorado State, 43; M.Ed, South Dakota,

50; Ph.D. Wyoming, 56. Teacher, high schs, S.Dak, 48-51; supt, pub. schs, S.Dak, 51-54; asst. coordinator study skills, Wyoming, 54-55; guid. coordinator, pub. schs, Wyo, 55-58; asst. prof. counsr. training, Western Illinois, 58-61; DIR. COUNSELING & TESTING, OFF. STUDENT AFFAIRS, EASTERN NEW MEXICO, 61- Summer, vis. lectr, Wyoming, 55. Consult, juvenile court judge, Wyo, 55-58; indust. psychologist & consult, Husky Oil Co, Wyo, 56, 57. U.S.A. 43-48, Res. 46-, Lt. Col. Psychol. Asn; Personnel & Guid. Asn. Increasing effectiveness and efficiency of public school counseling and guidance services through organizational planning. Publ: Co-auth, Effective reading for college students, Appleton, 68. Address: Office of Student Affairs, Eastern New Mexico University, Portales, N.Mex. 88130.

MORGAN, DR. RUTH L, b. Berkeley, Calif, Mar. 30, 34; m. 56; c. 1. POLITICAL SCIENCE. B.A. Texas, 56; M.A. La. State, 62, Ph.D.(polit. sci), 66. Teacher, jr. high sch, Tex, 57-58; instr. govt. & hist, Victoria Col.(Tex), 58-60; ASST. PROF. POLIT. SCI, SOUTHERN METHODIST, 66- Polit. Sci. Asn; Acad. Polit. Sci. Presidential executive order as an instrument for policy making. Address: Dept. of Government, Southern Methodist University, Dallas, Tex. 75222.

MORGAN, PROF. THEODORE, b. Middletown, Ohio, May 31, 10; m. 43; c. 3. ECONOMICS. A.B. Ohio State, 30, A.M. 31; A.M. Harvard, 40, Ph.D. 41. Instr. & tutor ECON, Harvard, 40-41, 42-47; asst. prof, Randolph-Macon Woman's Col, 41-42; assoc. prof, WISCONSIN, 47-55, PROF, 55- Vis. prof, Econ. Res. Centre, Univ. Singapore, 67- Am. Econ. Asn; Royal Econ. Soc. Business cycles; economic development. Publ: Introduction to economics; co-auth, Readings in economic development, Wadsworth, 63 & Economic interdependence in Southeast Asia, Univ. Wisconsin, (in press). Address: Dept. of Economics, University of Wisconsin, Madison, Wis. 53706.

MORGAN, V(INCENT) PUTNAM, Indust. Eng, see 10th ed, Soc. & Behav. Vols.

MORGAN, PRES. WILLIAM E(DGEWORTH), b. Ft. Worth, Tex, May 30, 09; m. 33; c. 2. AGRICULTURAL ECONOMICS. B.S. Agr. & Mech. Col. Tex, 30, M.S. California, 33; Harvard. Assoc. agr. economist, U.S. Dept. Agr, 34-35; prof. econ, Texas, 35-36; exten. economist, Agr. & Mech. Col. Tex, 36-48; pres, Ark. Agr. & Mech. Col, 48-48; dep. chief food & agr, Econ. Coop. Admin, France, 48-49; PRES, COLORADO STATE, 49- Chmn. prod. econ. res. adv. cmt, U.S. Dept. Agr, 53- U.S.A.A.F, 42-46, Col. Address: 645 S. Shields St, Ft. Collins, Colo. 80521.

MORGAN, DR. WILLIAM J, b. Rochester, N.Y, Apr. 30, 10; m. 44; c. 3. PSYCHOLOGY. A.B. Rochester, 33; Ph.D.(psychol), Yale, 37. Dir. psychol. clin, Training Sch, N.J, 36-38; assoc. Psychol. Corp, 38-39; psychologist, Rochester Bd. Ed, N.Y, 39-41; dir, Psychol. Test Bur, Rochester, 41-42; clin. & res. psychologist, U.S. War Dept, Wash, D.C, 46-47; dep. chief training staff & chief psychol. assessment, testing & eval. div, Cent. Intel. Agency, D.C, 46-52; DIR, APTITUDE ASSOCS, 47- Res. & eval. officer, psychol. strategy bd, Exec. Off. President, White House, 52-53. Res. consult. to U.S. Dept. Justice, 52-53, 55; bur. soc. sci. res, American Univ, 52-53; res. & develop. bd, U.S. Dept. Defense, D.C, 52-53; inst. lang. & ling. sch. for. serv, Georgetown, 52-53; res. dir. & consult. off. chief psychol. warfare, spec. staff, U.S. Dept. Army, 53- Mem. Bd. Psychologist Exam, Commonwealth of Va, 59-69. Dipl. Am. Bd. Exam. Prfnl. Psychol. Assessment psychologist & mil. testing officer, War Off. Selection Bd, Eng, 43-44, U.S.A, 42-46, Res. 46-61, Lt. Col. AAAS; fel. Psychol. Asn. Assessment psychology. Publ: Spies and saboteurs, picking and training them; Tests of logical reasoning, verbal intelligence and basic number skills; O.S.S. and I. Address: Aptitude Associates, 2816 Galloway Rd, Vienna, Va. 22180.

MORGENROTH, DR. WILLIAM M(ASON), b. Akron, Ohio, May 21, 15, m. 59; c. 5. MANAGEMENT SCIENCE, ECONOMICS. A.B. Michigan, 38, M.B.A. 40; Colorado, 45-51; fel, Link Co, Pittsburgh, 60, Scaife Found. grant, 60-62, Ford Found. grant, 60-62, Ph.D.(price theory), 62. Supvr. indust. rels, Westinghouse Elec. Corp, 51-56; asst. to pres. mgt, Mason, Shaver & Rhoades, 56-58; instr. mgt, Pittsburgh, 58-61; asst. prof. mkt, Ohio State, 61-63, assoc. prof, 63-67; HEAD DIV. BUS. & ECON, CALIF. STATE COL. HAYWARD, 67- Assoc. prof, Wittenberg, 65-67; Ohio State res. grant lang. mkt, 66-67. Consult, Maritz Co, Mo, 64-66; Howard Swink Advert, 65. Dir. bd, Penn Mach. Co, 52-60. U.S.N, 41-67, Lt. Comdr. Econ. Asn; Mkt. Asn; Soc. Adv. Mgt. Market for foreign language skills. Publ: Method of understanding price determinants, J. Mkt. Res, 8/64; co-auth, Concentration, mutually recognized interdependence and the allocation of marketing resources, J. Bus, 1/68; Heuristic model for decision makers, Mgt. Sci, 1/68. Address: Division of Business & Economics, California State College at Hayward, Hayward, Calif. 94542.

MORGENSTERN, SAM A, b. Tiraspol, Russia, Oct. 2, 13; nat; m. 38; c. 3. ECONOMICS. B.A. George Washington, 42. Mkt. analyst, War Manpower Cmn, Phila, Pa, 42-45, Cleveland, Ohio, 45-47; biometrician, U.S. Pub. Health Serv, 48-50; reg. employ. analyst, bur. labor statist, U.S. Dept. Labor, N.Y, 50-51, supvr. anal. statistician, 51-56, labor economist, bur. employ. security, 56-60, employ. security adv. off. dir, 60-62; prin. staff. analyst, President's Cmn. Status of Women, 62-64; manpower expert, Int. Labor Off, to Govt. Israel, 64-65 & to Govt. Hong Kong, 67; DIR. OFF. PLANNING, EVAL. & STAFF DEVELOP, U.S. EMPLOY. SERV, 67- Lectr, Western Reserve, 45-47; assoc, George Washington, 56- Consult, Occup. Planning Cmn, Cleveland Welfare Fedn, Ohio, 46-47. Econ. Asn. Problems, development and utilization of human resources; governmental federal-state relations. Publ: Manpower assessment and planning in Israel, 65 & Manpower assessment and vocational training needs in Hong Kong, (in press), Int. Labor Off; New Jersey measures industrial area employment, Rev. N.J. Bus. Address: 108 E. Indian Spring Dr, Silver Spring, Md. 20901.

MORGENSTERN, DR. JOHN J(ESSE), Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

MORGENSTERN, PROF. OSKAR, b. Gorlitz, Germany, Jan. 24, 02; nat; m. 48; c. 2. ECONOMICS. Dr. rer. pol, Vienna, 25, hon. Dr. iur, 65; hon. Dr. rer. pol, Mannheim, Germany, 57, Basel, 60, Vienna, 65. Rockefeller Found. fel, Harvard, London, Paris & Rome, 25-28; lectr, Vienna, 28-35, prof, 35-38; Carnegie vis. prof, Kentucky, Minnesota, Vanderbilt & Wisconsin, 38; from assoc.

prof. to PROF. POLIT. ECON. & DIR. ECON. RES. PROJ. PRINCETON, 38-Dir, Austrian Inst. Bus. Cycle Res, 31-38; vis. prof. Univ. Muenster, Germany, 56; Basel, 59-60. Consult. Rand Corp; U.S. Atomic Energy Cmn; White House, 59-60. Co-ed, Zeitschrift für National-ökonomie und Naval Res. Logistics Quart. Chmn. bd, Mathematica, Inc, 62-; trustee, Inst. Adv. Studies, Vienna, 63- Int. Statist. Inst; fel. Economet. Soc; Statist. Assn; cor. mem. Acad. des Sci. morales & polit; cor. mem. Inst. Appl. Econ. Sci, France. Economic theory; business cycles; game theory. Publ: International financial transactions and business cycles; co-auth, Theory of games and economic behavior, 44, 47, 53 & auth, On the accuracy of economic observations, 63, Princeton. Address: 94 Library Place, Princeton, N.J. 08540.

MORGENSTERN, DR. OTTO WILHELM, b. Vienna, Austria, Aug. 6, 19. ECO-NOMICS. B.A., San Francisco State Col, 53; Ph.D., California, 58. Instr. econ, San Francisco State Col, 53-54; asst. California, 54-56, res. econo-mist, inst. Indust. rels, 56-57; from instr. to asst. prof. ECON. San Francisco, 54-66; ASSOC. PROF. BRIDGEPORT, 66- Israeli Army, 48-49. Econ. Assn; Soc. Int. Develop; fel. African Studies Assn; Brit. Econ. Hist. Soc. International trade; economic development, particularly in Africa south of the Sahara; Portuguese Africa and Somalia. Publ: International trade and foreign exchange, In: Principles of economics. Address: Dept. of Econom-ics, University of Bridgeport, Bridgeport, Conn. 06602.

MORGENTHAU, PROF. HANS J(OACHIM), b. Coburg, Germany, Feb. 17, 04; nat; m. 35; c. 2. POLITICAL SCIENCE. Berlin, Frankfurt & Munich, 23-27; Dr. jur. utr, Frankfurt, 29; LL.D., Clark, 62, Ripon Col, 62, Alma Col, 65; Litt.D., Western Reserve, 65. Asst. to law faculty, Frankfurt, 31; acting pres, Labor Law Court, Germany, 31-33; instr. polit. sci, Geneva, 32-35; prof, Inst. Int. & Econ. Studies, Madrid, 35-36; instr. govt, Brooklyn Col, 37-39; asst. prof. law, hist. & polit. sci, Univ. Kansas City, 39-43; vis. assoc. prof. polit. sci, Chicago, 43-45, assoc. prof, 45-49, prof, 49-63, mod. hist, 61-63, distinguished serv. prof. POLIT. SCI, 63-68, dir. Center Study Am. For. & Mil. Policy, 50-68; LEONARD DAVIS DISTINGUISHED PROF. POLIT. SCI, CITY COL. NEW YORK, 68- Vis. prof, California, Berkeley, 49; Harvard, 51 & 59-61; Northwestern, 54; Wyoming, 55 & 58; Columbia & Yale, 56-57; mem, Inst. Adv. Study, 58-59; assoc, Wash. Center For. Policy Res, 58-60; sr. res. fel, Coun. For. Rels, 66; vis. prof, India, 68-; lectr, Armed Forces Staff Col, Air Force, Army & Naval Nat. War Cols, Indust. Col. Armed Forces & Inter-Am. & NATO Defense Cols. Consult, Dept. State, 49, 51, 63-; Dept. Defense, 63-65. Acad. Arts & Sci; Philos. Soc; Polit. Sci. Assn; hon. mem, Spanish Inst. Polit. Studies. International relations; political theory. Publ: Politics among nations, 48, 54 & 60; The purpose of American politics, 60; Politics in the 20th Century, 3 vols, 62. Address: Dept. of Political Science, City College of New York, New York, N.Y. 10031.

MORGNER, PROF. AURELIUS, b. N.Y., May 23, 17. ECONOMICS. B.S., Mis-souri, 38, M.A., 40; summers, Tulane, 38-39; California, 40-41; Ford Found. fel, Columbia, 54-55; Ph.D.(econ), Minnesota, 55. Investr, wage hour div, U.S. Dept. Labor, 41; proj. dir, employ. stabilization res. inst, Minnesota, 41-42, instr. bus. admin, 42-46; lectr. econ, Northwestern, 46-47; assoc. prof, Agr. & Mech. Col. Tex, 47-56, prof, 56-58; vis. prof, sch. sociol, Sao Paulo, 58-60; PROF. ECON. SOUTHERN CALIFORNIA, 60-, CHMN. DEPT. 62- Dir, Univ. Southern California-Agency Int. Develop. Ecuador Econ. Consultation Prog, 65-67; vis. lectr. U.S. Dept. State, Brazil, summer, 66. Consult. Govt. Guyana, 68. Monetary and fiscal policy; international econom-ics; economic underdevelopment. Publ: Resistências à mudança; co-auth, Problems in the theory of price; Local labor market research. Address: Dept. of Economics, University of Southern California, Los Angeles, Calif. 90007.

MORIARTY, DR. ALICE EWELL, b. Fulton, N.Y., Sept. 17, 17; m. 43; c. 2. PSYCHOLOGY. B.A., Smith Col, 38; M.A., Columbia, 40; Ph.D.(psychol), Purdue, 42. Staff psychologist, State Ment. Hyg. Serv, Conn, 42-43; State Rehab. Serv, 44-45; counsr, Voc. Counseling Serv, 46-47; RES. PSYCHOLO-GIST, MENNINGER FOUND, 52-, CONSULT. CHILD PSYCHIAT. TRAINING, 67- Supvr. postdoctoral training psychol, Topeka State Hosp, 68. Psychol. Asn. Child development. Publ: Co-auth, Diagnostic implications of speech sounds, 65 & auth, Constancy and IQ change, 66, C.C. Thomas; Coping pat-terns of preschool children in response to intelligence test demands, Genetic Psychol. Monogr. Address: 5001 Cedar Crest Rd, Topeka, Kans. 66606.

MORIARTY, DR. FRANCIS M(ATTHEW), b. Manchester, Conn, Jan. 4, 15; m. 43; c. 2. PSYCHOLOGY. B.S., Connecticut, 40; M.S., Purdue, 41; Ph.D. (psychol), Yale, 50. Staff psychologist, VET. ADMIN. HOSP, TOPEKA, KANS., 50-54, CHIEF PSYCHOL. SERV, 54- U.S.A.A.F., 42-46. Psychol. Asn. Group psychotherapy; learning theory; perception. Address: 5001 Cedar Crest Rd, Topeka, Kans. 66606.

MORICE, DR. HERBERT O(CHAR), b. Crystal City, Mo, Sept. 26, 26; m. 52; c. 5. PSYCHOLOGY. B.A., Tarkio Col, 48; M.A., George Peabody Col, 51; Ed.D.(counseling), Houston, 62. Sch. psychologist, State Dept. Ed, Tenn, 51-52; dir. spec. ed, Tri-County Area, Iowa, 52-53; sch. psychologist & jr. col. teacher, pub. schs, Mason City Schs, Iowa, 53-57; instr. PSYCHOL, Lee Col.(Tex), 57-60; ASSOC. PROF. Kans. State Col. Pittsburgh, 60-67; EASTERN ILLINOIS, 67- Fel, Bur. Child Res, Univ. Kansas Parsons Center, 66-67. Consult, Nat. Cong. Ment. Health, 64-66. U.S.N.A.F., 44-46. Coun. Except. Children; Psychol. Asn. Human operant conditioning; learning disabilities and behavior problems; school psychology programs. Publ: The school psychologist as a behavioral consultant, Psychol. Schs, 68. Address: Dept. of Psychology, Eastern Illinois University, Charleston, Ill. 61620.

MORIN, PROF. ROBERT E(DGAR), b. Chicago, Ill, Nov. 8, 26; m. 49. PSY-CHOLOGY. B.A., Northwestern, 49, M.S., 50; Ph.D., Wisconsin, 54. Asst. prof. PSYCHOL, Texas, 54-61; assoc. prof. Arizona, 61-62; KENT STATE, 62-65, PROF, 65- Prin. investr, Nat. Sci. Found. grant, 65-70; Nat. Insts. Health grant, 66-68. Psychol. Asn; Psychonomic Soc. Information process-ing; learning; experimental design. Address: Dept. of Psychology, Kent State University, Kent, Ohio 44240.

MORISON, DR. THOMAS JAMES, b. Calgary, Alta, Aug. 12, 24; m. 55; c. 2. ECONOMICS, INTERNATIONAL LAW. B.A., British Columbia, 51; Ph.D. (econ), Innsbruck, Austria, 54. Mkt. res. mgr, Can. Industrs, Ltd, 54-56; res. asst. econ. & tax res, Gov. State Tax Study Cmt, Minn, 56-57; instr. econ, Minnesota, 56-57; asst. prof, Carleton Col, 57-58; mgr. econ. anal, INVESTORS DIVERSIFIED SERV, INC, 58-65, DIR. INVESTMENT RES, 65-R.C.A.F., 42-45. Econ. Assn; Asn. Bus. Econ. Economic history; develop-ment of economic theory. Publ: Report of the Governor's tax study com-mittee. Address: Investors Diversified Services, Inc, Eighth & Marquette, Minneapolis, Minn. 55402.

MORIYAMA, DR. IWAO MILTON, Pub. Health, see 11th ed, Phys. & Biol. Vols.

MORK, PROF. GORDON M(ATTHEW) A(LFRED), b. Lakota, N.Dak, Mar. 13, 10; m. 35; c. 2. EDUCATIONAL PSYCHOLOGY. B.S., North Dakota, 31; M.A., Minnesota, 42, Ph.D.(ed. psychol), 53. Teacher, high sch, 31-40; supvr. student sci. teaching, Minn. State Teachers Col.(Bemidji), 40-43, 45-46, dir. teacher training, 46-48, assoc. prof. ed. & chmn. dept, 48-50; instr. biol. & head sci. dept, univ. high sch, MINNESOTA, MINNEAPOLIS, 43-44, high sch. prin. & instr. ed, COL. ED, 44-45; lectr. ED. PSYCHOL, 50-53, assoc. prof, 53-58, PROF, 58-, dir. student teaching, 61-68. Fulbright res. scholar, Norway, 60-61, 65; Teacher Ed. Study, Thailand & Afghanistan, 67-68. Psychol. Asn. Science education; psychology of learning; teacher education. Publ: Workbook for biology; co-auth, Workbook for biology in Philippine life & Biology. Address: College of Education, University of Minnesota, Minneapolis, Minn. 55455.

MORLAN, DR. GEORGE K(OLMER), b. Indianapolis, Ind, May 29, 04; m. 38; c. 1. PSYCHOLOGY. B.A., Butler, 26; M.A., Columbia, 31, Ph.D.(philos. of ed), 36. Instr. Eng. & philos, Fenn Col, 37-38; psychol. & Eng, Conn. State Teachers Col, 40-41; dean men, Pan Am. Univ, 44-45; vis. prof. psychol. & Eng, Arizona State, 45-46; asst. prof. psychol, Univ. Kansas City, 46-47; assoc. prof, Springfield Col, 47-50; mgr. lit. & sales ed, Lederle Labs. Div, Am. Cyanamid Co, 50-57, coordinator prinl. serv, med. res. sect, 57-65; RETIRED. Assoc. prof, Mich. Tech, 65-66. Prejudice; communication; mental adjustments. Publ: America's heritage from John Stuart Mill; Lay-men speaking; How to influence yourself. Address: 4611 N.W. 45th St, Ft. Lauderdale, Fla. 33313.

MORLAN, PROF. ROBERT L(OREN), b. Madison, Ohio, May 25, 20; m. 44; c. 4. POLITICAL SCIENCE. B.A., Denison, 42; Rockefeller fel, Minnesota, 46-48, M.A., 47, Ph.D.(polit. sci), 49. Instr. polit. sci, Minnesota, 48-49; asst. prof. GOVT, REDLANDS, 49-52, assoc. prof, 52-56, PROF, 56- Vis. lectr, Univ. Amsterdam & Fulbright grant, Netherlands, 56-57; vis. lectr, California, 58, 64, 67; vis. lectr, Col. Europe & Smith-Mundt grant, Belgium, 59-60. Cmnr, Calif. State Scholar. & Loan Cmn, 61; chmn, Nat. Cmt. Wash. Semester, 67-69; consult, U.S. Dept. Agr, 67- U.S.A.A.F., 42-46. Polit. Sci. Asn. Local government; political dynamics; federalism and intergovernmental relations. Publ: Capitol, courthouse and city hall; Political prairie fire; co-auth, Politics in California, Dickenson, 68. Address: Dept. of Govern-ment, University of Redlands, Redlands, Calif. 92373.

MORLAND, PROF. J(OHN) KENNETH, b. Huntsville, Ala, July 4, 16; m. 49; c. 3. SOCIOLOGY. B.S., Birmingham-South. Col, 38; B.D., Yale, 43; Ph.D. (sociol), North Carolina, 50. Exec. secy, Yale-in-China, Yale, 43-47; asst. prof. sociol, Col. William & Mary, 49-53; PROF. SOCIOL. & CHMN. DEPT. SOCIOL. & ANTHROP, RANDOLPH-MACON WOMAN'S COL, 53- South. Fels. Fund res. grants, 56, 60; univ. center, Virginia res. grant, 61; Ful-bright scholar, Chinese Univ. Hong Kong, 66-67; summers, vis. prof, N.Y. Univ, 52-59, Georgia, 60, Stetson, 66. Consult, Fed. Community Rels. Serv, 64-66; U.S. Dept. Ed, 65- Sociol. Asn; Anthropol. Asn; Soc. Study Social Probs. Race relations; sociology of social problems; sociology of religion. Publ: Millways of Kent; Southern schools: token desegregation and beyond, Anti-defamation League B'nai B'rith, 63; Race awareness in Northern and Southern children, Am. J. Orthopsychiat, 66. Address: Dept. of Sociology & Anthropology, Randolph-Macon Woman's College, Lynchburg, Va. 24504.

MORLEY, DR. ALONZO J(OHN), b. Moroni, Utah, Jan. 8, 03; m. 25; c. 5. SPEECH PATHOLOGY. B.A., Brigham Young, 25, M.A., 31, Southern Califor-nia, 29; Ph.D.(speech path), Iowa, 35; Stanford, 57. Instr. speech, high sch, Utah, 25-26; head speech dept, Weber Co. High Sch, 26-28; instr. SPEECH, BRIGHAM YOUNG, 28-30, asst. prof, 30-35, assoc. prof, 35-44, PROF, 44- Vis. prof, Latter-day Saints Church Col. Hawaii, 65-66. Fel. Speech & Hearing Asn; Coun. Except. Children; Sigma Xi (pres, 47). Action currents; analysis of associative and predisposing factors in symptomatol-ogy of stuttering; speech power. Address: Dept. of Speech & Dramatic Arts, F 446 HFAC, Brigham Young University, Provo, Utah 84601.

MORLEY, PROF. BURTON R(AYMOND), b. Kenilworth, Ill, July 17, 98. ECONOMICS. A.B., West Virginia, 22; A.M., Pennsylvania, 25, Ph.D., 31. Instr. Indust, Pennsylvania, 22-31; PROF. ECON, ALABAMA, 31-, HEAD DEPT. MGT, 46- Regional unemploy. compensation rep, Soc. Security Bd, 37-38; area dir, War Manpower Cmn, 42-45. Econ. Asn; Indust. Rels. Res. Asn. Labor and personnel; occupational characteristics of applicants for work; characteristics of the Alabama labor market. Address: Box 1994, University, Ala. 35486.

MORLEY, PROF. D(OUROSSOFF) E(DMUND), Speech Path, see 11th ed, Phys. & Biol. Vols.

MORLEY, DR. FELIX (MUSKETT), b. Haverford, Pa, Jan. 6, 94. POLITICS, ECONOMICS. A.B., Haverford Col, 15; Rhodes scholar, Oxford, 19-21, B.A., 21; Hutchinson fel, London Sch. Econ, 21-22; Guggenheim fel, Geneva, 28-30; Ph.D., Brookings Inst, 34; D. Litt, George Washington, 40, Lebanon Val-ley Col, 52; LL.D., Hamilton Col, 41, Pennsylvania, 41, Bethany Col, 51, West. Md. Col, 64. Reporter, Phila. Pub. Ledger, 16-17; mem. staff, Wash. Bur. United Press Asn, 17; Phila. North American, 19; assoc. ed, Baltimore Sun, 22-28, correspondent, Far East, 25-26, Switz, 28-29; dir. Geneva off, League of Nations Asn, 29-31; mem. staff, Brookings Inst, 31-33; ed, Wash. Post, 33-40; pres, Haverford Col, 40-45; pres. & ed, Human Events, 45-50;

rep, Barron's Weekly, 50-54; MEM. ADV. BD. AM. ENTERPRISE ASN, 49-Chmn. Inst. Soc. Sci. Res; lectr, St. John's Col. (Md), 24-25, trustee, 37-38; Sidwell Friends Sch. D.C., 36-40; Bliss Sch., 48-50; Wash. Col., 53-67; Key Sch., Md, 62- Mem. lay adv. bd, Anne Arundel Community Col., 61- Hart, Schaffner & Marx prev, 24; Pulitzer prize, 35; Volker Fund Distinguished Serv. award, 61. British Army, 15-16; civilian with spec. serv, U.S. Dept. Labor, 17-18. Fel. Royal Econ. Soc. Unemployment relief in Great Britain; Society of Nations. Publ: Power in the people; Gumption Island; Freedom and federalism. Address: Gibson Island, Md. 21056.

MORLEY, PROF. JAMES W(ILLIAM), b. Trenton, N.J., July 12, 21; m. 43; c. 3. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. A.B. Harvard, 43; M.A. Hopkins, 45; Lydig fel, Columbia, 47-48, Ph.D. 54. Asst. int. rels, Fletcher Sch. Law, 42-43; from asst. prof. to assoc. prof. hist, Union (N.Y.), 48-54; assoc. prof. GOVT, COLUMBIA, 54-66, PROF, 66-, acting dir, East Asian Inst. 61-62; dir, 64-67. Res prof, Waseda Univ, Japan, 65-66. Consult, U.S. Off. Ed, 67; spec. asst. to Ambassador, Am. Embassy, Japan, 67- Mem. U.S. Cmt, U.S.-Japan Cultural & Ed. Exchange, adv. to U.S. Dept. State, 67, 68; Asian studies cmt, Am. Coun. Learned Soc.-Soc. Sci. Res. Coun, 66-67. U.S.N.R., 43-46, Lt. Asn. Asian Studies; Polit. Sci. Asn; Hist. Asn; Coun. For. Rel. Japanese politics and international relations in the Far East. Publ: Japanese thrust in Siberia, 1918, 56; Japan and Korea: America's allies in the Pacific, Walker, 65; co-auth. & co-ed, Sino-Japanese Relations, East Asian Inst, 66. Address: East Asian Institute, Columbia University, New York, N.Y. 10027.

MORLOCK, DR. HENRY C, JR, b. Philadelphia, Pa, Mar. 9, 36; m. 59. EXPERIMENTAL PSYCHOLOGY. B.A. Pennsylvania, 55, Soc. Sci. Res. Coun. fel. & M.A., 59, Ph.D. 64. Asst. prof. PSYCHOL, STATE UNIV. N.Y. COL. PLATTSBURGH, 65-67, ASSOC. PROF, 67- State Univ. Res. Found. grant-in-aid, 67-69. Med.Serv.C, U.S.A.R., 59-67, Capt. Psychol. Asn; Psychonomic Soc. Decision-making, especially effects of outcome desirability; comparative and physiological study of learning and perception, particularly in mammalian vertebrates. Publ: The effect of desirability of outcomes on decision-making, Psychol. Reports, 64; The effect of outcome desirability on information requirements for decisions, Behav. Sci., 67; co-auth, Auditory evoked response and reaction time, EEG & Clin. Neurophysiol, 67. Address: Division of Social Sciences, State University of New York College at Plattsburgh, Plattsburgh, N.Y. 12901.

MORONEY, DR. JOHN R(ODGERS), JR, b. Dallas, Tex, Jan. 29, 39; m. 59; c. 3. ECONOMICS. B.A. Southern Methodist, 60; Nat. Defense fel. & univ. scholar, Duke, 60-63, Woodrow Wilson fel, summer 63, Ph.D.(econ), 64. Instr. ECON, Lehigh, 63-64; asst. prof, Fla. State, 64-66; ASSOC. PROF, MICH. STATE, 66-, grad. res. coun. award, 65. Relm Found. fel, 66. Statist. Asn; Econ. Asn. Testing neoclassical models of income distribution in the United States and alternative models of international and interregional trade. Publ: Time series elasticities of substitution and labor's share in U.S. manufacturing: the postwar period, South. Econ. J, 66; co-auth, A regional test of the Heckscher-Ohlin hypothesis, 66 & auth, The strong factor-intensity hypothesis: a multisectoral test, 67, J. Polit. Econ. Address: Dept. of Economics, Michigan State University, East Lansing, Mich. 48823.

MORRA, DR. MICHAEL ANTHONY, b. New York, N.Y., Jan. 17, 34; m. 61; c. 1. PSYCHOLOGY. B.S. N.Y. Univ, 57; M.A. Columbia, 59; Ph.D.(clin. psychol), Tennessee, 65. ASST. PROF. PSYCHOL, Xavier (Ohio), 64-66; PURDUE, INDIANAPOLIS, 66- NASA faculty fel, Manned Spacecraft Center, NASA, summer 67. Consult, Court Domestic Rel, Ohio, 64-65; Longview State Hosp, Cincinnati, Ohio, 65-66; Domestic Rel. Counselling Serv, 67-69. U.S.A., 54-56. AAAS. Psychological prenatal influences; early postnatal experiences; Montessori preschool education; projective techniques. Publ: Co-auth, Perseveration factor, Science, 62; auth, Prenatal sound stimulation on postnatal behaviors, Psychol. Record, 65; Ethanol and maternal stress on offspring behavior, J. Genetic Psychol, 68. Address: 1125 E. 38th St, Indianapolis, Ind. 46205.

MORRELL, DR. LENORE KORKES, b. New York, N.Y., June 28, 27; m. 57; c. 2. PSYCHOLOGY. B.A. Brooklyn Col, 47; M.A. Michigan, 49; fel, Cornell, 53; Ph.D.(psychol), N.Y. Univ, 56. Asst. surv. res. center, Michigan, 47-49; psychologist, res. center human rels, N.Y. Univ, 49-50; clin. psychologist & res. proj. dir. psychiat, col. physicians & surgeons, Columbia, 50-54; res. assoc. psychiatrist & proj. dir, Neuro-Psychiat. Inst, N.J., 54-57; res. fel. neuropsychol, med. sch, Minnesota, 57-58; instr. psychol, Hamline, 59-60; RES. ASSOC. NEUROL, SCH. MED, STANFORD, 61- Consult, N.Y. Tuberc. & Health Asn, 51-57. Psychol. Asn. Child development; psychophysiology of learning; clinical psychology. Address: Division of Neurology, Stanford University School of Medicine, Stanford, Calif. 94305.

MORRILL, CHARLES S(AMUEL), b. Boston, Mass, Sept. 17, 27; m. 57; c. 1. ENGINEERING PSYCHOLOGY. B.S. Tufts, 49; dipl, Sorbonne, 50; M.A. Columbia, 51. Asst. teachers col, Columbia, 50-52; Tufts, 53-54; indust. consult, finance & sales, Globe Plan, Inc, 54-57; psychologist, human eng, Radio Corp. Am, 57-59; staff psychologist, Mitre Corp, 59-68; MANAGING DIR, VIATRON COMPUT. SYSTS. CORP, 68- Instr, grad. sch. eng, Northeastern, 64- U.S.A.F., 52-53, 2nd Lt. Psychol. Asn; Int. Ergonomics Asn. Programmed instruction; system design for command and control; aviation and space systems; display and equipment design. Publ: Teaching machines: a review, Psychol. Bull; co-auth, Target tracking and acquisition in three dimensions using a two-dimensional display surface, J. Appl. Psychol; auth, Computer-aided instruction as part of a management information system, Human Factors, 6/67. Address: 117 Woodridge Rd, Wayland, Mass. 01778.

MORRILL, DR. RICHARD L, b. Los Angeles, Calif, Feb. 15, 34; m. 58. GEOGRAPHY. B.A. Dartmouth Col, 55; M.A. Washington (Seattle), 57, Nat. Insts. Health fel, 58-59, Ph.D. 59. ASST. PROF. GEOG, Northwestern, 59-60; WASHINGTON (SEATTLE), 61- Nat. Sci. Found. res. grant, Lund, Sweden, 60-61. Proj. dir. regional hosp. study, Hosp. Planning Coun, Chicago, 66-67. U.S.A.R., 54-62. Asn. Am. Geog; Regional Sci. Asn; Pop. Asn; Int. Union Sci. Study of Pop. Theoretical geography; migration, urbanization and diffusion; regional inequality and development. Publ: Co-auth, Studies

of highway development and geographic change; auth, Spatial organization of society, Wadsworth, 68 & Migration and the spread and growth of urban settlement, Land Studies Geog, 65. Address: Dept. of Geography, University of Washington, Seattle, Wash. 98105.

MORRILL, DR. WARREN THOMAS, b. Portland, Maine, Nov. 5, 29; m. 53; c. 3. ANTHROPOLOGY. A.B. Michigan, 50; M.A. Chicago, 52, Ph.D. (anthrop), 61. Lectr. ANTHROP, Chicago, 60-61; instr, BUCKNELL, 61-62, asst. prof, 62-66, ASSOC. PROF, 66- Nat. Insts. Health res. grants, 62-63 & 66-69. U.S.N., 53-56, Lt. Fel. AAAS; fel. Am. Anthropol. Asn; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Social and cultural change; bio-cultural evolution; language and culture. Publ: Immigrants and associations, Comp. Studies Soc. & Hist, 63; Ethnoicthyology of the Cha-Cha, Ethnology, 67. Address: Dept. of Sociology, Bucknell University, Lewisburg, Pa. 17837.

MORRILL, DR. WESTON H, b. Provo, Utah, July 9, 35; m. 58; c. 3. COUNSELING. B.S. Brigham Young, 60, M.S., 61; Ph.D.(counseling psychol), Missouri, 66. Teacher & counselor, Hayward Union High Sch. Dist, Calif, 61-62; staff counselor, counseling center, Missouri, 63-64; practicum superv, 64-65; asst. prof. counseling & ed, Mich. State, 65-68; ASST. PROF. ED, COLORADO STATE, 66-, ASSOC. DIR, COUNSELING CENTER, 67-, asst. dir, 66-67. Res. consult, S.E. Wyo. Ment. Health Center, 67; consult, Albion Col. Symposium on Counseling, 67. Personnel & Guid. Asn; Psychol. Asn; Asn. Counsr. Ed. & Supv; Col. Personnel Asn. Counselor education; student characteristics; development and career process. Publ: Co-auth, The college counseling center: a center for student development, Albion Col. Symposium, 67 & Career process, Personnel & Guid. J, (in press). Address: Counseling Center, Colorado State University, Ft. Collins, Colo. 80521.

MORRIS, DR. AILENE (MRS. BERNARD O. LANE), b. Ada, Okla, Oct. 20, 23; m. 51. PSYCHOLOGY. B.A. Oklahoma, 44, fel, 44-45, M.S., 45; Ph.D.(psychol), North Carolina, 51. Res. psychologist, med. res. lab, U.S. Naval Sub Base, New London, Conn, 48-51, superv. res. psychologist, 51-55; res. psychologist, visibility lab, Scripps Inst, California, 55-57; human factors div, Navy Electronics Lab, 57-60; private res. & consult, 60-62; asst. res. psychologist, California, Santa Barbara, 62; sr. res. assoc. visual res. Inst. Visual Sci. & Inst. Med. Sci, San Francisco, 62-67; PRIVATE RES. & CONSULT. PSYCHOLOGIST, 68- Consult, Inst. Visual Sci, 68- Mem. Inter-Soc. Color Coun; Armed Forces-Nat. Res. Coun. Cmt. Vision, 60. Psychol. Asn; Optical Soc; Asn. Res. Ophthal; Soc. Psychophysiol. Res. Psychological and physiological optics; psychophysical research techniques; photometry; visual search and acuity standards; form discrimination; visual performance through optical devices; visibility prediction research; taxonomic classification of visual data; visual evoked potentials; visual-tactical psychophysical correlates. Publ: Size-contrast test for measuring visual performance; Pattern target analysis; Visual search techniques: proceedings of a symposium. Address: 7756 N. Ben Lomond Ave, Glendora, Calif. 91740.

MORRIS, PROF. ALBERT, b. Nottingham, Eng, Jan. 6, 01; nat; m. 26. SOCIOLOGY. B.S. Boston, 25, Buck fel, 25-27, A.M., 26; Harvard, 26-29. Instr. soc. sci, BOSTON, 25-30, asst. prof, 30-35, PROF. SOCIOI, 35-, chmn. dept. sociol. & anthrop, 45-59. Fulbright lectr, Melbourne, Australia, 52, 60; lectr, Clark, 53-63; univ. lectr, Boston, 54; Fulbright res. scholar, Univ. New Zealand, 59-60; summers, vis. prof, California, Los Angeles, 40-47; New Mexico, 45, 58, 63, 66; British Columbia, 49, 54, 56; Denver, 68; Dir, New Eng. Correctional Manpower & Training Proj, 66-67. Consult, Ministry Justice, N.Z., 52. Ed. Correctional Res. Sociol. Asn; Am. Soc. Criminol; Int. Soc. Criminol. Comparative cultures; social change. Publ: Criminology; Criminals and the community; Homicide: an approach to the study of crime. Address: 176 Hillcrest Rd, Needham, Mass. 02192.

MORRIS, PROF. ALFRED LEO, Econ. Hist. & Develop, see 10th ed, Soc. & Behav. Vols.

MORRIS, DR. B(ARNETT) B(ERNARD), b. New York, N.Y., Oct. 25, 23. PSYCHOLOGY. A.B. Brooklyn Col, 48; M.A. Nebraska, 51; Washington (Seattle), 51; Ph.D.(psychol), Oklahoma, 59. Res. consult. guid. serv, Univ. Oklahoma, 54-55; asst. superv. personnel testing, McDonnell Aircraft Corp, 55-56; asst. prof. psychol, Ft. Hays Kans. State Col, 56-58; asst. prof. & dir. testing serv, Carleton Col, 58-59; asst. prof. PSYCHOL, Drake, 59-63; ASSOC. PROF, Moorhead State Col, 63-65; PURDUE, INDIANAPOLIS CAMPUS, 65-Shell Found. faculty grant, 62; participant, Nat. Sci. Found. summer inst. psychol, 68. Psi Chi Braly award, 55. U.S.A.A.F., 42-46, Sgt. AAAS; Psychol. Asn; Soc. Psychophysiol. Res. Quantitative psychology, including scaling; industrial psychology, including selection and training; physiological psychology—intact recording of physiological processes. Publ: Psychological aspects of energetics, Psi Chi Newsletter, 1/55; co-auth, Visual illusions on television, Am. Psychologist, 2/55. Address: Dept. of Psychology, Purdue University, Indianapolis Campus, 1201 E. 38th St, Indianapolis, Ind. 46205.

MORRIS, PROF. BRUCE R(OBERT), b. Girard, Ohio, Mar. 30, 09; m. 37; c. 3. ECONOMICS. A.B. Western Reserve, 31; A.M. Ohio State, 32; Ph.D., Illinois, 37. Asst. prof, Hiram Col, 37-39; Washington & Jefferson Col, 39-42; price exec, automotive br, Off. Price Admin, 42-46; mem. staff, Amherst Col, 46-48; assoc. prof. ECON, MASSACHUSETTS, AMHERST, 48-50, PROF, 50- Govt. & bus. consult. Econ. Asn; Indust. Rel. Res. Asn; Asn. Evolutionary Econ. Economic growth; economic planning; labor relations. Publ: Problems of American economic growth, Oxford Univ, 61; Economic growth and development, Pitman, 67. Address: Dept. of Economics, University of Massachusetts, Amherst, Mass. 01002.

MORRIS, DR. C(HARLES) EUGENE, b. Memphis, Tenn, Mar. 12, 14; m. 46; c. 2. PSYCHOLOGY, GUIDANCE. B.A. Tennessee, 44; M.A. Columbia, 51, Ed.D.(guid), 52. Instr, adult div, pub. schs, N.Y., 50; asst. guid, teachers col, Columbia, 51; res. asst. prof. psychol, Union Col, 52; asst. prof. guid, Springfield Col, 53-56, assoc. prof, 56-57, dir. counseling center, 53-57; dean students, Pace Col, 57-60; dir. guid. & counseling prog, C.W. Post Col, LONG ISLAND, 60-63, CHMN. GRAD. GUID. & COUNSELING DEPT, GRAD. SCH. ED, 63- Consult, east regional conf, Nat. Coun. Churches Execs, 58. Res. chmn, N.A.M. cmn. ed. for family living, YMCA Asn. Boys' Work Secys, 50;

- chmn, East-South. Hazen Conf, 54. AAAS; Personnel & Guid. Asn. Counseling, human relations; projective techniques. Publ: Counseling with young people; co-auth, Guidance and personnel work: future tense, Teachers Col. Press, 67. Address: Long Island University, Graduate School of Education, Greenvale, N.Y. 11548.
- MORRIS, DR. CHARLES G(OULD), b. Hartford, Conn, Dec. 12, 40; m. 62; c. 2. PSYCHOLOGY. B.A. Yale, 62; Nat. Sci. Found. fcls, Illinois, 63-64, 65, A.M. 64, Ph.D.(psychol), 65. ASST. PROF. PSYCHOL, MICHIGAN, 65- AAAS; Psychol. Asn. Group dynamics; higher education; interaction of personal characteristics, group characteristics, and situational variables in determining outcomes of group encounters. Publ: Task effects on group interaction, J. Personality & Soc. Psychol, 66. Address: Dept. of Psychology, University of Michigan, Ann Arbor, Mich. 48104.
- MORRIS, DR. CHARLES M(cDOWELL), b. Philadelphia, Pa, May 2, 09; m. 33; c. 2. PSYCHOLOGY. A.B. Bucknell, 31, M.A. 32; Ph.D.(psychol), N.Y. Univ, 38. Res. psychologist, Woods Schs, Pa, 38-40; county supvr. spec. ed, pub. schs, 41-46; chief clin. psychologist, Vet. Admin. Hyg. Clin, Phila, 47-49; area chief clin. psychologist, Vet. Admin, D.C., 49-50; assoc. dir, Child Guid. Center, Easton, Pa, 51-54; dir. psychol. serv, East. Pa. Psychiat. Inst, Phila, 55-58; INDUST. & CLIN. CONSULT. PSYCHOLOGIST, 58- Lectr, Temple, 42-43; guest lectr, Bryn Mawr Col, 55-56; vis. assoc. prof, Lehigh, 67- Consult. psychologist, St. Christopher's Hosp, 48-54. Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.N., 42-45. Fel. Psychol. Asn. Psychological tests for industry, sentence completion, projective techniques. Publ: The Gripes Test; Indexed completion record of attitudes. Address: Spring Hill Rd, Riegelsville, Pa. 18077.
- MORRIS, DR. CYNTHIA TAFT, b. Cincinnati, Ohio, Apr. 28, 28; m. 55; c. 1. ECONOMICS. B.A. Vassar Col, 49; M.Sc. London Sch. Econ, 51; Ph.D. (econ), Yale, 59. Res. asst. ECON, Yale, 53-55; ASSOC. PROF. AMERICAN UNIV, 64- Consult. off. prog. & policy coord, Agency Int. Develop, 62- Econ. Asn; Economet. Soc. Quantitative studies of social, political and economic institutional influences upon economic development. Publ: Co-auth, Evolution of wage structure, Yale, 56 & Society, politics and economic development, Hopkins, 67. Address: 3030 Arizona Ave. N.W., Washington, D.C. 20016.
- MORRIS, DR. EDWARD CRAIG, b. Murray, Ky, Oct. 7, 39. ANTHROPOLOGY. B.A. Vanderbilt, 61; Nat. Defense Ed. Act fel, Chicago, 61-64, M.A. 64, Nat. Sci. Found. fel. & Ph.D.(anthrop), 67. ASST. PROF. ANTHROP, Northern Illinois, 67-68; BRANDEIS, 68- Anthropol. Asn; Soc. Am. Archaeol; Inst. Andean Studies. Andean archaeology and ethnohistory; development of civilization in the central Andes. Address: Dept. of Anthropology, Brandeis University, Waltham, Mass. 02154.
- MORRIS, DR. FRANK E(UGENE), b. Detroit, Mich, Dec. 30, 23; m. 44; c. 3. ECONOMICS. B.A. Wayne State, 48; fel, Michigan, 48-51, M.A. 49, Ph.D. (econ), 55. Assoc. Leigh Fisher & Assocs, 48-51; economist, Off. Price Admin, 51-53; U.S. Govt, 53-55; res. dir, Investment Bankers Asn. Am, 55-61, asst. to secy. treas, 61-63; V.PRES. LOOMIS-SAYLES & CO, 63- U.S.A.A.F, 42-45, Lt. Econ. Asn; Finance Asn; Statist. Asn. Securities markets; monetary and fiscal policy; business cycles. Address: Walpole St, Dover, Mass. 02030.
- MORRIS, GEORGE W(ILLIAM), b. Franklin, Ohio, Aug. 28, 99; m. 35. ECONOMICS. A.B. Cincinnati, 22; scholar, Harvard, 23-25, fel, 24-25, M.A. 26; fel, Clark, 25-26; N.Y. Univ, 30-31; Columbia, 33-35. Instr. geog. & sci, Buffalo State Teachers Col, 26-29; prof. geog. & head dept, Pa. State Teachers Col, Shippensburg, 29-31; economist, Resettlement Admin, Farm Security Admin, D.C. 35-38; bur. agr. econ, U.S. Dept. Agr, Wis, 38-41; econ. statistician, Off. Price Admin, D.C. 41-43; indust. analyst, War Prod. Bd, 43-45; indust. analyst & statistician, War Assets Admin, 45-49; minerals economist, Bur. Mines, 49-51; INDUST. ANALYST, OFF. CIVIL & DEFENSE MOBILIZATION, 51- U.S.A., 18. Foreign trade of United States with Latin America; population distribution in the United States; flood damage surveys. Address: 4421 Garrison St. N.W., Washington, D.C. 20016.
- MORRIS, DEAN JAMES A(LOYSIUS), b. Lawrence, Mass, May 25, 18; m. 42; c. 2. ECONOMICS. A.B. Northeastern, 42; A.M. Harvard, 47, Ph.D. 51. PROF. ECON, SOUTH CAROLINA, 47- DEAN GRAD. SCH. & V.PRES. ADV. STUDIES & RES, 66- dean sch. bus. admin, 61-66. Labor arbitrator, Am. Arbit. Asn. & Fed. Mediation Serv, 47-; vis. scholar, Oxford, 53-54. Consult. to dir, Int. Coop. Admin, 44-55, spec. econ. adv. to dir, U.S. Opers. Mission, Turkey, 56-57; econ. consult, State Budget & Control Bd, 64- Chmn. bd. dirs, Fed. Reserve Bank Richmond, Charlotte Br, 63-; faculty cmt. athletics, South Carolina & secy-treas, Atlantic Coast Conf, 64-; chmn, Savannah River Nuclear Ed. Cmt. & S.C. Regional Export Expansion Coun, 66-; mem, Gov. Adv. Coun. Health Planning, 67- U.S.A., 40-41, 42-46, Lt. Col. Econ. Asn; Indust. Rels. Res. Asn; Acad. Arbit. Labor economics; economics of industry. Publ: Woolen and worsted manufacturing in the Southern Piedmont; North-south wage differentials re-visited & South Carolina economy, trends and prospects, Bus. & Econ. Rev. Address: University of South Carolina, Columbia, S.C. 29208.
- MORRIS, PROF. JAMES O, b. Akron, Ohio, Feb. 8, 23; m. 46; c. 4. INDUSTRIAL RELATIONS, HISTORY. B.A. Hiram Col, 48; M.A. Michigan, 51, Ph.D.(hist), 54. PROF. INDUST. & LABOR RELS, N.Y. STATE SCH. INDUST. & LABOR RELS, CORNELL, 55- Fulbright fel, Chile, 58-59; chief party, Agency Int. Develop, financed, Univ. Chile, 59-62. U.S.A.A.F, 1st. Lt. Orgn. Am. Historians; Indust. Rels. Res. Asn. American labor and industrial relations history; labor and politics; industrial relations in Latin America. Publ: Conflict within the AFL, 58, Elites, intellectuals, and consensus: Chile, 67 & co-auth, Bibliography of industrial relations in Latin America, 67, Cornell. Address: New York State School of Industrial & Labor Relations, Cornell University, Ithaca, N.Y. 14850.
- MORRIS, DR. JAMES REED, b. Boaz, Ala, Dec. 18, 30; m. 57; c. 2. PSYCHOLOGY. B.A. & B.S. Jacksonville State Col, 52; M.A., Alabama, 56, Ph.D. (clin. psychol), 63; Mich. State, 56-59. From asst. prof. PSYCHOL. to ASSOC. PROF. SOUTHWESTERN AT MEMPHIS, 62- U.S.A., 52-54, 1st Lt. AAAS; Psychol. Asn. Assessment of psychological health; behavioral modification; perceptual processes; study of speech behavior of schizophrenics; study of creativity in college students; study of volunteer bias. Publ: Co-auth, Temporal judgment as a function of nosological classification and experimental method, J. Psychol, 63, The stability of schizophrenic speech in a standardized interview, J. Clin. Psychol, 63 & A note on generalization by schizophrenics, Psychol. Reports, 63. Address: Dept. of Psychology, Southwestern at Memphis, Memphis, Tenn. 38112.
- MORRIS, DR. JAMES R(USSELL), b. Lakeland, Fla, Nov. 27, 22; m. 46. ECONOMICS. A.B. Oberlin Col, 45; M.B.A. Chicago, 47, Ph.D.(personnel, labor), 57. Instr. econ, Illinois, 46-57; asst. prof, Arkansas, 57-58; sr. economist, Am. Enterprise Asn, 60-61; STAFF ASSOC. U.S. CHAMBER COMMERCE, 65-, STAFF ECONOMIST, TASK FORCE ECON. GROWTH & OPPORTUNITY, 65- Lectr, Chicago, 50. Consult. res. economist, 53- Econ. Asn; Acad. Polit. & Soc. Sci. Economics of recreation; economic theory and political economy; gerontology; labor relations; legislation and collective bargaining; poverty; urban potentials; rural and regional development; economic growth and opportunities; employment; fiscal policy; education. Publ: Job rotation: a study and program; Employment opportunities in later years; co-auth, Renewing America's cities. Address: 3903 Lakota Rd, Alexandria, Va. 22303.
- MORRIS, DR. JOEL, b. Brooklyn, N.Y., July 6, 26; m. 61. MANAGEMENT SCIENCE. B.A. Brooklyn Col, 51; M.A. Southern Methodist, 52; Ph.D.(mgt), N.Y. Univ, 61. Asst. Southern Methodist, 52; asst. to gen. mgr, Lansky Display Co, 54-56; specialist systs. anal. comput. dept, Gen. Elec. Co, 56-58; tech. specialist comput. develop. design, surface commun. div, Radio Corp. Am, 58-60; develop. engr, Great Valley Lab, Burroughs Corp, 60-62, assoc. dir. planning, defense contracts orgn, 62-64; SYSTS. ANALYST, RES. ANAL. CORP, McLEAN, 64- U.S.A.A.F, 45-46. Management & operations research; advanced systems analysis; new product planning; forecasting the future; management information systems; computer applications; military defense systems; commercial and industrial systems; psychology; industrial relations. Publ: Psychoanalysis of labor strikes, Labor Law J; Computers in business, Ariz. Bus. Bull; Solving problems with computers, Ariz. Eng. & Scientist. Address: 938 Millwood Rd, Great Falls, Va. 22066.
- MORRIS, PROF. JOHN B(AIRD), b. Union City, Tenn, Jan. 26, 21; m. 46; c. 4. PSYCHOLOGY. A.B. Southwestern at Memphis, 46; M.A. Mississippi, 49; Ph.D.(psychol, higher ed), Syracuse, 52. Aviation psychologist, Wright-Patterson Air Force Base, 46-47; univ. exam, Mississippi, 52-53; dir. instrn. res, Minnesota, 54-55; assoc. prof. psychol, Mississippi, 55-59, prof, 59-63, dir, instrn. res, 55-63; dean faculty, Memphis State, 63-66; PROF. PSYCHOL, MISSISSIPPI, 66- Consult, U.S. Forest Serv, 56-60; Woodson, Pattishall & Garner, law firm for Standard Oil of Ky, 61-63. U.S.A.A.F, 43-46, Capt. Psychol. Asn; Statist. Asn. Bases of executive decisions; secondary reinforcement in learning; human factors research. Publ: Secondary reinforcement or response facilitation? & Resistance to extinction and number of weak-light reinforcements, J. Psychol; Stimulus variation and weak-light reinforcement, Psychol. Reports. Address: Dept. of Psychology, University of Mississippi, University, Miss. 38677.
- MORRIS, DR. JOHN P(ORTER), b. Lansing, Mich, Feb. 7, 39; m. 62; c. 2. DEVELOPMENTAL PSYCHOLOGY. A.B. Grinnell Col, 61; Ph.D.(psychol), Washington (Seattle), 65. Res. assoc. PSYCHOL, Washington (Seattle), 64-65; ASST. PROF. DENISON, 65- AAAS; Psychol. Asn; Soc. Res. Child Develop. Experimental analysis of child behavior; problems of development; learning and motivation. Address: Dept. of Psychology, Denison University, Granville, Ohio 43023.
- MORRIS, PROF. JOHN W(ESLEY), b. Billings, Okla, Nov. 14, 07; m. 32; c. 2. GEOGRAPHY. B.S. Oklahoma, 30; M.S. Okla. State, 34; Ph.D.(geog), Peabody Col, 41. Instr. GEOG, Seminole Jr. Col, 31-38; assoc. prof, Southeast State Col, 39-42, prof, 46-48; assoc. prof, OKLAHOMA, 46-50, 52-54, PROF, 54-, CHMN. DEPT, 67-, ASSOC. DIR. OKLA. CENTER URBAN & REGIONAL STUDIES, 51- Summers, vis. prof, Florida, 48; Peabody Col, 57, 58; West. Wash. State Col, 62; Mich. State, 64. Consult, Nat. Park Serv, 52-53; Ozark Playground Asn, 53-54; South. Appalachian Studies Prog, 58-60. U.S.N.R., 42-46, 50-51, Comdr. Asn. Am. Geog; Nat. Coun. Geog. Ed. (secy, 55-58, pres, 60). Educational geography; regional planning; photo interpretation. Publ: Oklahoma geography; World geography; Historical atlas of Oklahoma, Univ. Oklahoma Press, 66. Address: Oklahoma Center for Urban & Regional Studies, University of Oklahoma, Norman, Okla. 73069.
- MORRIS, LEO E(DWIN), Math. Statist, see 11th ed, Phys. & Biol. Vols.
- MORRIS, SISTER MARY SOPHIA, Sociol, see 10th ed, Soc. & Behav. Vols, deceased 64.
- MORRIS, DR. MINA D(ILL), b. U.S., Aug. 8, 04; m. 34. EDUCATIONAL PSYCHOLOGY. A.B. Ill. Col, 26; M.A. Washington (St. Louis), 36, Ph.D. 51; Chicago, 44. Dean girls, high sch. & jr. col, Ill, 28-35; asst. prof. psychol, Washington (St. Louis), 48-53; prof. & dir. grad. studies, MacMurray Col, 53-54; CLIN. PSYCHOLOGIST, ST. LOUIS PUB. SCHS, 54- Vis. lectr, Washington (St. Louis), 55-; Missouri, 57- AAAS; Psychol. Asn. Developmental psychology; children's attitudes; social-cultural deviations in developmental aspects of personality. Publ: Personality changes following lobotomy, Am. Psychologist. Address: 1520 S. Grand, St. Louis, Mo. 63104.
- MORRIS, PROF. MORRIS DAVID, b. San Francisco, Calif, Feb. 10, 21; m. 51. ECONOMICS. Fulbright fel, Bombay, 51-52; Ph.D. California, 54. Asst. prof. ECON, WASHINGTON (SEATTLE), 49-58, assoc. prof, 58-61, PROF, 61-, dir. econ. sect, China proj, 55-56. Ford Found. fel, India, 56-57; sr. res. fel, Am. Inst. Indian Studies, 65-66, mem. bd. trustees, 66-67. U.S.A.A.F, 43-45. Am. Econ. Asn; Econ. Hist. Asn, Am; Asn. Asian Studies; Econ. Hist. Soc, Brit; Royal Econ. Soc. European economic history; Indian economic history; Asian economic development. Publ: The emergence of an industrial labor force in India, Univ. California Press, 65; Towards a reinterpretation of 19th century Indian economic history, J. Econ. Hist, 63; Eco-

conomic change and agriculture in 19th century India, *Indian Econ. & Soc. Hist. Rev.* 66. Address: Dept. of Economics, University of Washington, Seattle, Wash. 98105.

MORRIS, PAUL K(ENNETH), b. Greene Co, Pa, Apr. 28, 09; m. 36; c. 2. POLITICAL SCIENCE. A.B. Waynesburg Col, 30; M.A. Michigan, 32. From res. assoc. to regional dir, Pa. Economy League, 36-44; budget exam, U.S. Bur. Budget, 44-51; chief pub. affairs br, mgt. & budget div, for. serv, U.S. Dept. State, Bonn, Germany, 51-54; prin. orgn. analyst, U.S. INFO AGENCY, 54-56; chief mgt. div, 56-59; consul & pub. affairs officer, Am. Consulate, Frankfurt, Germany, 59-62, attaché & dep. pub. affairs officer, Am. Embassy, Bonn, Germany, 62-63; participant, sr. seminar for. policy, For. Serv. Inst, 63-64; dep. dir. off. cultural presentations, U.S. Dept. State, 64-66, CONSUL & PUB. AFFAIRS OFFICER, AM. CONSULATE GEN, MADRAS, INDIA, 66- Polit. Sci. Asn. Address: Branch Public Affairs Office, U.S. Information Agency, Consulate General, 150 B. Mount Rd, Madras, India.

MORRIS, DR. RAYMOND N(EVILLE), b. Ecclesfield, Eng, July 25, 36; m. 61; c. 2. SOCIOLOGY, STATISTICS. B.S.S. Birmingham, 57, M.S.S. 59; D.Phil. (sociol), Oxford, 62. Tutor sociol, Oxford, 59-60; lectr. soc. statist, Birmingham, 60-64; ASSOC. PROF. SOCIOL, AMERICAN UNIV, 64- Sociol. Asn; Statist. Asn. Research methods; education; housing; voluntary associations; bureaucracy. Publ: Co-auth, The sociology of housing, 65 & auth, The geese and the swans, 68, Routledge; Urban sociology, Allen & Unwin & Praeger, 68. Address: Dept. of Sociology, American University, Washington, D.C. 20016.

MORRIS, PROF. RICHARD K(NOWLES), b. Somerville, Mass, Nov. 16, 15; m. 46. ANTHROPOLOGY. A.B. Trinity Col.(Conn), 40; Hartford Col; M.A. Yale, 49, Ph.D.(hist. & philos. of ed), 51; N.Y. Univ, 53. Instr. ANTHROP. & ED. TRINITY COL.(CONN), 51-53, from asst. prof. to assoc. prof, 58-67, PROF, 67- Summer Fulbright fel, India, 61; Fenian Centenary lectr, Univ. Col, Galway, 67. Assoc. mem, 4th E.W. Philosophers' Conf, Hawaii, summer, 64. Fel. Philos. Ed. Soc. Role of invention in anthropology; methodology in sciences and education; history and philosophy of education; theoretical anthropology. Publ: John P. Holland: inventor of the modern submarine, U.S. Naval Inst, 66; Blind spot in education, Ed. Theory; Philosophy of education, Harvard Ed. Rev. Address: 120 Cherry Hill Dr, Newington, Conn. 06111.

MORRIS, PROF. RICHARD T(HACKER), b. Columbus, Ohio, Apr. 28, 17; m. 52; c. 3. SOCIOLOGY. B.A. Ohio State, 41, Soc. Sci. Res. Coun. fel, 50, Ph.D.(sociol), 52. Instr. SOCIOL, Wisconsin, 50-52; lectr, Northwestern, 52-53; from asst. prof. to PROF, CALIFORNIA, LOS ANGELES, 53-Sociol. Asn. Sociological theory; social stratification; cross-cultural education. Publ: Two-way mirror: national status in foreign student adjustment; A typology of norms & co-auth, The situs dimension in occupational structure, Am. Sociol. Rev. Address: Dept. of Anthropology & Sociology, University of California, Los Angeles, Calif. 90024.

MORRIS, PROF. RITA M. L., b. Boston, Mass, Dec. 13, 20. GEOGRAPHY. B.S.Ed. Teachers Col. City Boston, 42, Ed.M., 43; Ed.D.(geog), Harvard, 62. From instr. to PROF. GEOG, MASS. STATE COL, WORCESTER, 52- Asn. Am. Geog; Nat. Coun. Geog. Ed; Nat. Asn. Geol. Teachers. Historical and military geography; water resources and conservation. Address: Dept. of Geography, Massachusetts State College at Worcester, Worcester, Mass. 01602.

MORRIS, DR. ROBERT JAMES, JR, Hist. of Sci, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MORRIS, PROF. RUBY T, b. Pepperell, Mass, Apr. 28, 08. ECONOMICS. A.B. Vassar Col, 29; A.M. Stanford, 30, Ph.D., 37. Instr. econ. & sociol, Vassar Col, 33-37, asst. prof, 37-46, assoc. prof, 46-52; PROF. ECON. & CHMN. DEPT, CONN. COL, 52- Chief economist, Off. Price Admin, Hawaii, 51-55. Econ. Asn. Consumer economics; public finance; economic theory. Publ: Theory of consumer's demand; Fundamentals of economics. Address: Dept. of Economics, Connecticut College, New London, Conn. 06320.

MORRIS, PROF. RUDOLPH E(DWARD), Soc. Sci, see 10th ed, Soc. & Behav. Vols, deceased 67.

MORRIS, DR. RUTH R, b. Buffalo, N.Y, Dec. 12, 33; m. 61; c. 2. SOCIOLOGY, SOCIAL WORK. A.B. Oberlin Col, 56; M.A. Illinois, 58; M.S.W. Michigan, 59, Ph.D.(sociol, soc. work), 62. Teaching asst. soc. work, Am. Friends Serv. Cmt, Berkeley, Calif, 56-57; sociol, Illinois, 57-58; student soc. worker, Family Serv. Agency, Pontiac, Mich, 58-59; soc. worker, Buffalo State Hosp, N.Y, 59; asst. soc. sci, sch. soc. work, Michigan, 60-61, SOCIOL, inst. soc. res, 61-63; PROF. LECTR, AMERICAN UNIV, 65- Consult, Nat. Youth Concert Study, 66-67. Delinquency; crime; poverty; race relations; social problems. Publ: Female delinquency and relational problems, Soc. Forces, 64; Attitudes toward delinquency of delinquents, non-delinquents and their friends, Brit. J. Criminol, 65. Address: Dept. of Sociology, American University, Washington, D.C. 20016.

MORRIS, PROF. VICTOR P(HERPONT), b. Sioux City, Iowa, Nov. 24, 91. ECONOMICS. A.B. Oregon, 15, A.M., 20; Ph.D. Columbia, 30; D.Dc. Northwest Christian Col, 48. Asst. prof. econ, Grinnell Col, 22-24; instr, Ore. State Col, 24-26; OREGON, 19-20, asst. prof. 26-30, assoc. prof, 30-31, prof, dean sch. bus. admin. & dir. bus. admin, state syst, 31-60, EMER. PROF. BUS. ADMIN, 60- Trustee, Northwest Christian Col, 34. Am. Inst. Pac. Rels; Econ. Asn; Acad. Polit. Sci; Acad. Polit. & Soc. Sci; Nat. Coun. For. Affairs. International economic problems in the Pacific; problems in regional development; social philosophy in business; development of underdeveloped countries. Address: School of Business Administration, University of Oregon, Eugene, Ore. 97403.

MORRIS, PROF. WILFORD H(UGH) M(IDDLETON), b. London, Eng, July 25, 21; m. 52; c. 3. AGRICULTURAL ECONOMICS. B.A. Cambridge, 47, dipl, 49, Alhousen scholar, 49-50; Utah State, 50-51; Ph.D.(agr. eng), Cornell, 53. Res. assoc. agr. eng, Iowa State, 53-54; asst. prof. AGR. ECON, PURDUE,

54-58, assoc. prof, 58-64, PROF, 64-, co-prin. investr, farm cardiac res. proj, 54-66. Vis. scientist, Max-Planck Asn, Germany, 59; Agr. Eng. Inst, Wageningen, Netherlands, 68. Am. Soc. Agr. Eng. correspondent, Sect. V, Int. Cong. Agr. Eng, 65- Brit. Army, 40-45, Capt. Agr. Econ. Asn. Farm labor and management; physiological, psychological and economic aspects. Address: Dept. of Agricultural Economics, Purdue University, Lafayette, Ind. 47907.

MORRIS, DR. WILLIAM E(LJAH), b. Oberlin, Ohio, Nov. 18, 11; m. 61. PSYCHOLOGY. A.B. Ohio, 33; fel. & Ph.D.(psychol), Tennessee, 52. Asst. psychol, Tennessee, 50-52; intern, Vet. Admin. Hosp, New Orleans, La, 53-54, asst. chief clin. psychol, Vet. Admin. Ment. Hyg. Clin, Pass-A-Grille, Fla, 55-56; coordinator psychiat. eval. proj, Vet. Admin. Hosp, Salisbury, N.C. 56-64; EXEC. SECY. NEUROL-A STUDY SECT, DIV. RES. GRANTS, DEPT. HEALTH, ED. & WELFARE, U.S. PUB. HEALTH SERV, NAT. INSTS. HEALTH, BETHESDA, MD, 64- U.S.A.A.F., 42-45. AAAS; Psychol. Asn. Personality assessment; language and communication; experimental psychopathology; recreation; science administration. Address: 1650 La Salle Ave, McLean, Va. 22101.

MORRIS, DR. W(ODROW) W(ILBERT), b. Bay City, Mich, Apr. 1, 13; m. 36. PSYCHOLOGY. B.A. Michigan State Nor. Col, 35; M.A. Michigan, 39, Ph.D. (psychol), 49. Teacher, pub. sch, Mich, 35-41; chief clin. psychologist, State Hosp, Pontiac, Mich, 41-43; dir. div. spec. clin. serv, bur. psychol. serv, Michigan, 46-48; ASSOC. DEAN, COL. MED, IOWA, 48-, DIR. INST. GERONT, 57-, assoc. prof. psychiat. & head dept. med. psychol, univ. hosps, 48-57. Med.Serv.C.Res, 43-46, Lt. Psychol. Asn; Orthopsychiat. Asn; Geront. Soc; Asn. Am. Med. Cols. Psychodiagnostics; personality structure and dynamics. Publ: Co-auth, Nursing and retirement home administration, Iowa State Univ, 66. Address: University of Iowa College of Medicine, Iowa City, Iowa. 52240.

MORRISETT, DR. LLOYD N, b. Oklahoma City, Okla, Nov. 2, 29; m. 52. PSYCHOLOGY. B.A. Oberlin Col, 51; California, Los Angeles, 51-53; Nat. Sci. Found. fels, Yale, 53-56, Ph.D.(psychol), 56. Instr. ed, California, 56-57, asst. prof, 57-58; mem. staff, Soc. Sci. Res. Coun, 58-59; exec. asst, Carnegie Corp. N.Y, 59-61, exec. assoc, 61-65, asst. to pres, 63-65, V.PRES, CARNEGIE CORP. N.Y. & CARNEGIE FOUND. ADV. TEACHING, 65- Mem. cmt. intellectual processes res, Soc. Sci. Res. Coun, 59-64, cmt. learning & the ed. process, 64-; bd. trustees, Syst. Develop. Corp, 66-67, v.chmn, 67-; mem, Nat. Adv. Coun. Ed. Professions Develop, 67- AAAS; Psychol. Asn; Sociol. Asn. Language and communication; thinking; problem solving; concept formation; learning. Address: Carnegie Corp. of New York, 437 Madison Ave, New York, N.Y. 10022.

MORRISON, ALEXANDER W(ELCH), b. New York, N.Y, July 2, 16; m. 61. PSYCHOLOGY. A.B. Columbia, 40, M.A. 44; Princeton, 41-42; New Sch. Soc. Res, 48-49; N.Y. Univ, 55-65. Employ. mgr. & personnel asst, Niagara div, Vanadium Corp. of Am, 44-46; voc. counsr, Vet. Guid. Center, POLYTECH. INST. BROOKLYN, 46-49, assoc. dir. voc. consult. & testing div, 49-50, DIR, DIV. PSYCHOL. SERV, 51-, personnel serv, 62-65. Private practice, 65- Prin. investr, personnel selection criteria proj, U.S. Pub. Health Serv, 65-66. Psychol. Asn; Personnel & Guid. Asn; Acad. Polit. & Soc. Sci; Nat. Coun. Family Rels. Use of computers in interpretation of tests; use of psychometric measures in the prediction of academic success; non-intellectual determinants of success in scholarship and business. Publ: Graphical device to show the relationship of test scores to the standard distribution for the test, J. Ed. Res; Will packaged tests find your man?, Factory Mgt. & Maintenance. Address: 23 Raymond Court, Garden City, N.Y. 11530.

MORRISON, DR. CHARLES, b. London, Eng, Sept. 7, 29; U.S. citizen; m. 62; c. 1. ANTHROPOLOGY. B.A. Minnesota, 60; M.A. Chicago, 62, Ph.D. (anthrop), 65. ASST. PROF. ANTHROP, ROCHESTER, 65- Faculty res. fel, Am. Inst. Indian Studies, 67-68; Nat. Sci. Found. res. grant, 67-68. Fel. Am. Anthrop. Asn; Asn. Asian Studies; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Social anthropology; south Asian area studies; comparative study of peasant societies and complex non-western societies. Address: Dept. of Anthropology, University of Rochester, Rochester, N.Y. 14627.

MORRISON, DR. CLARENCE C, b. Greensboro, N.C, June 19, 32; m. 55; c. 2. ECONOMICS. B.S. Davidson Col, 54; M.A. North Carolina, Chapel Hill, 56, Ph.D.(econ), 64. Asst. prof. ECON, Virginia, 64-67; ASSOC. PROF. GEORGIA, 67- Consult, sch. gen. studies, Virginia, 66; Delphi Assocs, Va, 66-67. U.S.N.R. 56-59, Res, 59-, Lt. Econ. Asn; Economet. Soc; Statist. Asn. Welfare economic theory of second best; measurement of concentration. Publ: A note on estimating the concentration ratio with reference to pareto distribution, Metroeconomica, 1/63; The nature of second best, South. Econ. J, 7/65; Generalizations on the methodology of second best, West. Econ. J, 3/68. Address: 520 Forest Heights Dr, Athens, Ga. 30602.

MORRISON, DALE N, Govt, Soc. Sci, see 10th ed, Soc. & Behav. Vols.

MORRISON, DR. DENTON E, b. Brookings, S.Dak, Jan. 2, 32; m. 53. SOCIOLOGY. B.S. S.Dak. State, 54, M.S. 58; Ph.D.(sociol), Wisconsin, 62. Asst. prof. sociol, California, Berkeley, 62-64; vis. asst. prof. rural sociol, Wisconsin, 67; ASSOC. PROF. SOCIOL, MICH. STATE, 67- U.S.A.F. & Air Nat. Guard, 55-59, Capt. Rural Sociol. Soc; Sociol. Asn. Rural sociology; social psychology; research methods; achievement motivation; values; agrarian discontent; farm organizations. Publ: Co-auth, Michigan farmers in mid-sixties, Mich. Agr. Exp. Sta, 8/66; auth, Achievement motivation of farm operators, 12/64 & co-auth, Deprivation, discontent, and social movement participation, 12/67, Rural Sociol. Address: Dept. of Sociology, Michigan State University, East Lansing, Mich. 48823.

MORRISON, DR. D(ONALD) F(RANKLIN), b. Stoneham, Mass, Feb. 10, 31. MATHEMATICAL STATISTICS. B.S. Boston, 53, A.M. 54; M.S. North Carolina, 57; Ph.D. Va. Polytech, 60. Asst. math, Boston, 53-54; res. math. statistician, biomet. br, Nat. Inst. Ment. Health, 56-63; ASSOC. PROF. STATIST. & OPERS. RES, WHARTON SCH. FINANCE & COMMERCE, PENNSYLVANIA, 63- Asst. North Carolina, 54-56; instr, Found. Adv. Ed. in Sci, 60-63; Nat. Sci. Found. res. grant, 66-67 & instnl. res. grant, sum-

- mer, 66. Summers, mathematician, Dept. Army, Ft. Detrick, Md, 55, mem. staff, Lincoln Lab, Mass. Inst. Tech, 56; mem. tech. staff, Bell Tel. Labs, N.J. 67. Consult, Lincoln Lab, 56-57; div. computational sci, Nat. Insts. Health, 63-65. U.S.P.H.S. 56-58. AAAS; Statist. Assn; Inst. Math. Statist; Biomet. Soc; Psychomet. Soc; Royal Statist. Soc. Statistical theory and methodology; multivariate analysis; psychometric methods. Publ: Multivariate statistical methods, McGraw, 67; co-auth, Life distribution and reliability of a system with spare components, 60 & auth, On the distribution of sums of squares and cross products in the presence of intra-class correlation, 62, Ann. Math. Statist. Address: Dept. of Statistics & Operations Research, Wharton School of Finance & Commerce, University of Pennsylvania, Philadelphia, Pa. 19104.
- MORRISON, PROF. EARNEST M(ERILL), b. Enterprise, Utah, July 30, 15; m. 36; c. 6. AGRICULTURAL ECONOMICS, ECONOMICS. B.S. Utah State Agr. Col, 37; dipl, Logan Inst. Relig, 37; M.S. California, 39; Illinois, 50, 54; Soc. Sci. Res. Coun. fel, N.C. State Col, 56. Asst. California, 38-39; farm supvr, U.S. Dept. Agr, 39-45; asst. prof. AGR. ECON. & MKT, UTAH STATE, 45-49, assoc. prof, 49-54, PROF, 54-, acting head dept. agr. econ, 58-60. Trustee, Roosevelt Hosp, 43-45. Cost and efficiencies in agricultural production; analysis of farmers cooperatives in California. Address: 629 N. Fifth East, Logan, Utah 84321.
- MORRISON, DR. EDWARD J(OHN), b. Grand Rapids, Mich, Dec. 21, 22; m. 44; c. 1. PSYCHOLOGY. B.A., Southern Methodist, 48; M.S. Tulane, 51; Ph.D. Illinois, 60. Clin. psychol. trainee, Vet. Admin, 48-51; asst. psychol, Illinois, 51-52; res. psychologist, training aids res. lab, Air Force Personnel & Training Res. Center, 52-54, chief statist. serv. sect, maintenance lab, 54-55, supvr. res. psychologist, 55-58; staff reliability engr, Tex. Instruments, Inc, 58-60, human factors consult, 60-61, mgr. reliability, apparatus div, 61-65; dir. voc. res. prog, Am. Insts. Res, 65-67; ASSOC. PROF. ED. & RES. COORDINATOR CENTER VOC. & TECH. ED, OHIO STATE, 67- U.S.A.A.F, 42-45. Psychol. Assn; Psychomet. Soc; Ed. Res. Assn; Voc. Ed. Res. Assn; Voc. Assn. Educational and psychological measurement; vocational education. Publ: On test variance and the dimensions of the measurement situation; co-auth, Proficiency of Q-24 radar mechanics; auth, General vocational skills and the secondary curriculum, In: Research in vocational and technical education, Univ. Wisconsin, 67. Address: 2053 Nayland Rd, Columbus, Ohio 43221.
- MORRISON, PROF. FRANCES E(LIZABETH), b. Beebe, Que, Sept. 9, 20; m. 62; c. 1. MATHEMATICS, PSYCHOLOGY. B.A. Bishop's (Can), 39. M.A. 40; M.A. Bryn Mawr Col, 47; Am. Ed. Res. Assn. fel, 52-53; Ed.D. Columbia, 56. Teacher & prin. Baie Comeau Eng. Sch, 40-41, 42-45; sr. lab. asst, Nat. Res. Coun. Can, 41-42; teacher & asst. prin, high schs, 45-46, 47-52; test ed, World Book Co, 53-54; asst. prof. math. & psychol, inst. ed, Macdonald Col, McGill, 54-62; assoc. prof, 62; ED. PSYCHOL, SCH. ED, STATE UNIV. N.Y. ALBANY, 63-65, PROF, 65- Lectr, Protestant Sch. Ed, Montreal, 61; res. assoc, Royal Cmn. Inquiry Ed, Que, 61-63. Psychol. Assn; Ed. Res. Assn. Educational measurement. Address: 19 Dahlem Blvd, Albany, N.Y. 12205.
- MORRISON, DR. FRED L(aMONT), b. Salina, Kans, Dec. 12, 39. POLITICAL SCIENCE, LAW. A.B. Kansas, 61; Rhodes scholar. & B.A. Oxford, 63, M.A. 68; Danforth & hon. Woodrow Wilson fells. & M.A. Princeton, 65, Ph.D. (polit), 66; J.D. Chicago, 67. ASST. PROF. LAW, IOWA, 67. Polit. Sci. Assn; Inst. Law. Behavioral study of the judicial process with emphasis on comparative studies; Swiss and English courts. Address: College of Law, University of Iowa, Iowa City, Iowa 52240.
- MORRISON, DR. G(ORDON) ROLFE, b. Montreal, Que, Sept. 18, 32. PSYCHOLOGY. B.Sc. McGill, 54, M.Sc. 55; Ph.D. (psychol), Brown, 59. Instr. PSYCHOL, Columbia, 58-60; fel, McMaster, 60-66, ASST. PROF, 66- Psychol. Assn; Ecol. Soc. Physiological and comparative psychology; statistics. Address: Dept. of Psychology, McMaster University, Hamilton, Ont, Can.
- MORRISON, DR. HARRIET B(ARTHELMESS), b. Boston, Mass, Nov. 3, 92; m. 39. PSYCHOLOGY, EDUCATION. B.S. Columbia, 21, A.M. 22, Ph.D. (psychol), 31. Instr. elem. ed, teachers col, Columbia, 21-22, instr. elem. ed, 22-23; ed. measurements & psychol, N.J. State Teachers Col, Trenton, 23-27; spec. asst. to dir. res, Bd. Pub. Ed, Phila, Pa, 27-37; asst. to dir. res, New York City Bd. Ed, N.Y., 37-43; PSYCHOL. CONSULTANT, 43- Lectr, Bryn Mawr Col, 28. Consult, off. emergency mgmt. sci. res, Harvard, 44; mem. cmt, Am. Child Health Assn, White House Conf, 30. Fel. AAAS; Ed. Res. Assn. Psychological test construction; geriatrics; adult education. Address: Hampstead Rd, Derry, N.H. 08038.
- MORRISON, PROF. HARRY DONALD, Econ, see 10th ed, Soc. & Behav. Vols.
- MORRISON, PRES. HARRY LE ROY, b. Bakersfield, Calif, Apr. 19, 25; m. 53; c. 3. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A. California, 47, Coro Found. fel. & M.A. 48; M.B.A. Harvard, 50; LL.D. John F. Kennedy Univ, 65. Asst. pub. admin, League Calif. Cities, 46-48, staff consult, pub. admin, serv, 48; exec. secy, Citizen's Adv. Cmt, 50; asst. prof. pub. admin, San Francisco, 56-59; St. Mary's Col. (Calif), 59-65; PRES, JOHN F. KENNEDY UNIV, 65- Exec. dir, Contra Costa Co, Taxpayer's Assn, 51- U.S.N.R. 43. Soc. Pub. Admin; Polit. Sci. Assn. Local and American government; public opinion; political parties. Publ: United Nations of local government; Ideological preparation for scientific management; Rise of managerialism. Address: John F. Kennedy University, Martinez, Calif. 94553.
- MORRISON, DR. H(ENRY) WILLIAM, b. Pittsburgh, Pa, June 4, 31; m. 58. MATHEMATICAL & EXPERIMENTAL PSYCHOLOGY. A.B. Haverford Col, 53; Ford Found. fel, Wesleyan, 53-54, M.A. 54; univ. fel, Michigan, 54-55, Nat. Inst. Ment. Health fel, 58-59, Ph.D. (psychol), 62. Assoc. res. staff mem. psychol, Int. Bus. Mach. Corp. Res. Center, 60-62, res. staff mem. behav. sci, 62-63, mgr, 63-64, mgr. comput-assisted instr. tech, 64-66, res. staff mem, 66-67; ASSOC. PROF. PSYCHOL, STATE UNIV. N.Y. STONY BROOK, 67-, lab. assoc. prof, 66-67. Vis. lectr, dept. indust. ad-
- min, Yale, 64. AAAS; Psychomet. Soc; Psychol. Assn. Publ: Co-auth, Human judgment and decision processes, IBM Res. Note NC-104, 6/62; auth, Psychological measurement and scaling, Psychometrika, 12/63; co-auth, Computer instruction systems and techniques, Mod. Lang. J, 1/68. Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- MORRISON, DR. JAMES FREDERIC, b. Grinnell, Iowa, Oct. 4, 37. POLITICAL SCIENCE. B.A. Stanford, 58, Haynes fel. & M.A. 63, Wilson fel. & Ph.D. (polit. sci), 68; Warsaw, 60-61, 64-65. ASST. PROF. POLIT. SCI, FLORIDA, 66- Polit. Sci. Assn; Asn. Adv. Slavic Studies. Comparative communism; international relations; social and political change. Publ: The Polish people's republic, Johns Hopkins, 68. Address: Dept. of Political Science, University of Florida, Gainesville, Fla. 32601.
- MORRISON, JAMES H(ARRIS), b. St. Louis, Mo, Oct. 29, 18; m. 42; c. 2. EDUCATIONAL PSYCHOLOGY. B.S. Washington (St. Louis), 52; M.A. Kansas City, 55; Kansas, 59-61. Asst. ground sch. dir, Greenville Aviation Sch, 41-43; dis. ground sch. supvr, Civil Aeronaut. Admin, 43-44; training officer, Vet. Admin, 46, contracts officer, 46, 47-48; training supvr, Gen. Cable Corp, 48-50; selection & training specialist, Western Auto Supply Co, 50-66; MGT. CONSULT, LAWRENCE LEITER & CO, KANS. CITY, MO, 67- Instr, Kansas, 50-, lectr, Kansas City, 56-59. Psychol. Assn; Arbit. Assn. Management selection, assessment and development; employee education and training; consumer psychology. Publ: Co-auth, Test of basic assumptions, Morrison, 59; auth, Developing skills in teaching, J. Teacher Ed, 3/62 & Planning and scheduling training and development programs, In: Handbook of training and development, McGraw, 67. Address: 6415 W. 83rd St, Overland Park, Kans. 66212.
- MORRISON, DR. JOHN ALEXANDER, b. Portsmouth, N.H., Oct. 8, 03; m. 33; c. 1. GEOGRAPHY. S.B. Chicago, 25, S.M. 27, Ph.D. (geog), 38; Breslau, 27-28. Instr. geog, Chicago, 28-38; lectr. U.S.S.R. Inst. Int. Understanding, 38-40; dep. chief U.S.S.R. Div. res. & anal. br, Off. Strategic Serv, 41-45; chief East. European Br, div. res. for Europe, U.S. Dept. State, 45-47, consult, policy planning staff, 48; prof. geog. & head dept, Maryland, 49-51; vis. prof, Wisconsin, Washington (Seattle), Nebraska, Minnesota & Southern Illinois, 51-61; prof, Pittsburgh, 61-64; RETIRED. Dir. studies, Nat. War Col, 47-48. Asn. Am. Geog. Soc. Geography of Soviet Union; economic geography. Address: 1845 Jersey St, Quincy, Ill. 62301.
- MORRISON, PROF. JOSEPH L, Journalism, Hist, see 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- MORRISON, DR. JUNE M, b. Detroit, Mich, Feb. 24, 14; m. 30; c. 2. CORRECTIONAL ADMINISTRATION. B.S. Arizona, 62, M.P.A. 63; Ph.D. (corrections), Fla. State, 66. Lectr. pub. admin, Arizona, 63-64; teaching asst. & instr. soc. welfare, Fla. State, 64-65; asst. prof. PUB. ADMIN, ARIZONA, 65-68, ASSOC. PROF, 68- Title I grant, 67; Faculty Develop. Inst. fel, 68. AAAS; Soc. Criminol; Soc. Pub. Admin; Nat. Coun. Crime & Delinquency; Acad. Polit. & Soc. Sci; Correctional Assn; Int. Soc. Criminol. Progress on post institutional performance of a group of male juvenile delinquents; parole prediction. Publ: Juvenile aftercare in Arizona, Am. J. Corrections, 3-4/67; The inmate volunteer, J. Res. Crime & Delinquency, 7/67; The controversial police-school liaison programs, Proc. 13th Annual South. Conf. Corrections, 2/68. Address: Dept. of Public Administration, University of Arizona, Tucson, Ariz. 85721.
- MORRISON, PROF. KARL, b. Lawrenceville, N.J., Nov. 27, 04; m. 32; c. 2. ECONOMICS, MARKETING. A.B. Birmingham-Southern Col, 27; M.B.A. Northwestern, 38; Ph.D. Texas, 48. From asst. prof. to PROF. ECON. & MKT, MISSISSIPPI, 39- Mkt. Assn; Collegiate Retailing Assn. Address: Box 101, University, Miss. 38677.
- MORRISON, NATHAN, b. R.I. Dec. 4, 12; m. c. 1. MATHEMATICAL STATISTICS. A.B. Brooklyn Col, 32; Columbia, 40. Prin. actuary, State Dept. Labor, N.Y., 44-61; EXEC. ASSOC. ASSOC. HOSP. SERV, 61- Vis. prof, Cornell, 56-, lectr, Teachers Col, Columbia, 59-61; adj. prof, grad. div, Brooklyn Col, 65-67. Consult, U.S. War Dept, 43-46; exec. secy, State Adv. Coun. Employ. & Unemploy. Ins, N.Y., 43- Fel. AAAS; fel. Statist. Assn; Economet. Soc; Math. Soc; Soc. Indust. & Appl. Math; Inst. Math. Statist. Labor market analysis and unemployment insurance; mathematical physics; social insurance; hospital and medical care. Publ: Ed. Eng. transl, Foundations of probability. Address: 196 Elm St, New Rochelle, N.Y. 10805.
- MORRISON, PROF. PAUL C(ROSS), b. Racine, Ohio, Aug. 26, 06; m. 33; c. 1. ECONOMIC GEOGRAPHY. B.S. Ohio State, 28, A.M. 33; fel. Clark, 37-38, Ph.D. (geog), 41. Instr. GEOG. MICH. STATE, 31-39, asst. prof, 39-45, assoc. prof, 45-50, PROF, 50-, asst. to dean sch. sci. & arts, 44-55. Instr. col. training detachment prog, Army Air Force, 43-44; Army Specialized Training Personnel & Army Specialized Training Reserve Prog, 43-46; Off. Naval Res. grant, Costa Rica, 51; Fulbright lectr, Ochanomizu Univ, Japan, 55-56; summers, Nat. Defense Ed. Act for. lang. fel, California, Los Angeles, 62, consult. & teacher, Puerto Rico, 63, dir. insts. geog, Nat. Sci. Found. grant, 65 & Nat. Defense Ed. Act grants, 66, 67 & 68. Consult, Inter-Am. Inst. Agr. Sci, Costa Rica, 48-49. Asn. Am. Geog; fel. Am. Geog. Soc; Nat. Coun. Geog. Ed. Geography of the Great Lakes region; Latin America; Far East. Publ: Cement plant migration in Michigan, Econ. Geog; Land utilization, Cartago to Turrialba, Costa Rica, Papers Mich. Acad. Sci, Arts & Letters; Middle America, land of too many and too little, J. Geog. Address: Dept. of Geography, Michigan State University, East Lansing, Mich. 48823.
- MORRISON, DR. PAUL L(ESLIE), b. Hartsville, Ind, Nov. 25, 99; m. 24; c. 2. FINANCE. A.B. DePauw, 21, hon. LL.D. 49; M.B.A. Northwestern, 22, fel. & Ph.D. 27. From instr. to prof. finance, Northwestern, 23-58; FINANCIAL ADV, 58- Asst. dir, U.S. Bur. Budget, 53-54. Consult, Securities Exchange Cmn, 38. U.S.A. 18, 42-46, 50-52, Col. Legion of Merit. Econ. Assn; Finance Assn. Publ: Co-auth, Principles of accounting; investment management, In: Fundamentals of investment banking. Address: 2115 Central Park Ave, Evanston, Ill. 60201.

MORRISON, PROF. PHOEBE, b. Takoma Park, Md, June 21, 02. GOVERNMENT, LAW. A.B. Vassar Col, 24; LL.B. George Washington, 27; Carnegie fel, 27-28; J.S.D. Yale, 28. Mem. res. staff, law sch, Yale, 30-42; rationing attorney, Off. Price Admin, Hartford, Conn, 42-43; from sr. analyst to spec. asst. to dir. & chief mil. govt. sect, Off. Strategic Serv, 43-45; exec. secy. & dir. res. Found. For. Affairs, 45-48; int. rels. assoc. Am. Assn. Univ. Women, 48-51; mem. staff, Nat. Inst. Munic. Law Officers, 51-53; assoc. prof. GOVT, BARNARD COL, COLUMBIA, 52-60, chmn. dept, 53-56, 59-65, PROF, 60. Soc. Int. Law; Polit. Sci. Asn; Acad. Polit. Sci; Int. Law Asn. International law; American government. Address: Dept. of Government, Barnard College, Columbia University, New York, N.Y. 10027.

MORRISON, DR. RICHARD L(YLE), b. San Francisco, Calif, Oct. 21, 27; m. 53; c. 2. COUNSELING PSYCHOLOGY. A.B. Kansas, 49; M.S. Kans. State Teachers Col, 52; Ed.D. California, 58. Dir. Topeka Youth Centers, Inc, Kans, 49-51; teacher, pub. schs, Calif, 54-57; asst. prof. ed, Northwestern, 57-59; assoc. prof. ed. & dir. counseling clin, South Carolina, 59-63; ASSOC. DEAN STUDENTS, Humboldt State Col, 63-64; SACRAMENTO STATE COL, 64- Counsr, California, 56-57; summers, recreational therapist, Menninger Found, Kans, 46-49. Consult, rehab. div, S.C. State Hosp, 51-52. Med.C, 51-53, Res, 53-, Sgt. Psychol. Asn; Personnel & Guid. Asn. Influence of status values in occupational choice process; existential therapy; mental health in education; counselor training; psychology of occupations. Publ: Self-concept implementation in occupational choices, J. Counseling Psychol. Address: 8448 Citadel Way, Sacramento, Calif. 95826.

MORRISON, DR. ROBERT F(LOYD), b. Minneapolis, Minn, Oct. 30, 30; c. 5. INDUSTRIAL PSYCHOLOGY. Iowa State, 52, M.S. 56; Ph.D. Purdue, 61. Asst. psychol, Iowa State, 54-56; employee rels, Socony Mobil Oil Co, Inc, 56-59; indust. psychol, Purdue, 59-61; staff assoc. orgn. anal. & manpower develop, Mead Corp, 61-62; develop. specialist, Martin Co, 62-63; staff assoc. personnel res, SUN OIL CO, 63, MGR. PERSONNEL RES, 63- Sig.C, U.S.A., 52-54. Psychol. Asn. Manpower planning; management assessment; environmental studies; personnel research and application of behavioral science in industry. Publ: Evaluation of driving performance at three levels of driving experience by means of the auto trainer; Matching indices for use in forced-choice scale construction; Factored life history antecedents of industrial research. Address: Sun Oil Co, 1608 Walnut St, Philadelphia, Pa. 19103.

MORRISON, PROF. SHEILA GRAHAM, Speech, Audiol, see GOFF, PROF. SHEILA GRAHAM.

MORRISON, PROF. THOMAS CLINTON, b. Burkesville, Ky, Sept. 20, 21; m. c. 2. AGRICULTURAL ECONOMICS & MARKETING. B.S. West Ky. State Col, 49; M.S. Kentucky, 50; Ph.D. N.C. State, 68. Asst. agr. mkt. agr. exp. sta, Ky, 50-52; instr, CONNECTICUT, 52-54, asst. prof, 54-58, ASSOC. PROF. AGR. ECON, 58- U.S.A.A.F, 42-45. Agr. Econ. Asn. Impact of production controls and marketing orders on industry in the United States. Publ: Feasibility of marketing orders and production controls for the poultry industry, Storrs Agr. Exp. Sta. Bull; Government administration of egg prices, Storrs Agr. Exp. Sta. Progress Report. Address: Dept. of Agricultural Economics & Farm Management, University of Connecticut, Storrs, Conn. 06268.

MORRISON, DR. VERNON G(UY), b. U.S. Apr. 3, 04; m. 31; c. 3. ECONOMICS, BUSINESS ADMINISTRATION. B.Sc. Nebraska, 25, M.A. 26, Ph.D. 61; Chicago, 30-34, summer, 48. Instr. econ, Nebraska, 26-30; asst. govt. finance, Chicago, 30-33; acting asst. prof. labor econ, Indiana, 33-34; instr. econ, Tennessee, 34-35; assoc. res. economist, Tenn. Valley Authority, 35-47; asst. prof. ECON, SOUTHERN ILLINOIS, 47-62, acting chmn. dept, 53-55, ASSOC. PROF, 62-, asst. dean sch. bus, 55-65. Asst. Erwin, Wasey & Co, 27-30; asst. ed, Commerce Clearing House, Inc, 34; summer res. assoc. Ill. Revenue Laws Cmn, 48. Mem. Governor's Cmn. Sch. Aid, Ill, 49; asst. dir. res, Ill. Cmn. on Revenue. Econ. Asn; Planning Asn; Tax Inst. Property assessment sales ratios; tax rates; government finance. Publ: Assessment of property in Tennessee; Major factors in financing local sewerage works in Tennessee; Property tax limitation. Address: Dept. of Economics, Southern Illinois University, Carbondale, Ill. 62903.

MORRISSETT, DR. IRVING, Econ, see 10th ed, Soc. & Behav. Vols. Latest known address: Dept. of Economics, University of Colorado, Boulder, Colo. 80302.

MORRISSETTE, DR. HUGUES, b. Arthabaska, Can, Feb. 1, 37; m. 62; c. 3. GEOGRAPHY. B.A. Montreal, 58; B.A. Laval, 60, M.A. 62; Ph.D.(geog), Strasbourg, 65. Researcher GEOG, Govt. Que, 62-66; asst. prof, Laval, 66-67; CHMN. DEPT, OTTAWA, 67- Mem. Can. Cmt, Int. Geog. Union, 67. Asn. Am. Geog; Can. Asn. Geog; French Am. Geog. Asn. Regional planning; agricultural geography. Publ: Géographie comparée de quelques paroisses de colonisation au Québec, 63 & Les conditions du développement agricole au Québec, 66, Que. Govt. Address: Dept. of Geography, University of Ottawa, Ottawa 2, Ont, Can.

MORRISSEY, PROF. FRED(RIC) P(ATRIC), b. Brantford, Ont, Nov. 23, 20; nat; m. 43; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. B.Com, Toronto, 43, M.Com, 46; Garth fel, Columbia, 47-48, Ph.D.(econ), 51. From asst. prof. & assoc. dean to PROF. BUS. ADMIN, CALIFORNIA, BERKELEY, 49- Cmnr, Calif. State Pub. Utilities Cmn, 67- Can. Army, 43-45, Capt. Econ. Asn. Business finance; public utilities; monetary policy. Publ: Appraisal of the Hydro-Electric Power Commission of Ontario & Reconsideration of cost of capital and rate of return, Land Econ; Dividend payout and utility common stock value, Pub. Utility's Fortnightly. Address: School of Business Administration, University of California, Berkeley, Calif. 94720.

MORRISON, DR. CLOVIS CLYDE, JR, b. Sewickley, Pa, Apr. 27, 34; m. 60; c. 2. POLITICAL SCIENCE. B.A. & LL.B. Texas, 58, fel, Colorado, 63-65, Ph.D.(polit. sci), 65. Attorney, Rutan & Phares, Attornies, 58-62; ASST. PROF. GOVT, NORTH TEXAS STATE, 65-, faculty res. coun. grants, 66-68. Polit. Sci. Asn; Law & Soc. Asn; Soc. Int. Law. Public law; international re-

lations. Publ: The developing European law of human rights, A.W. Sijthoff's, 67; The European Human Rights Convention and the United States Constitution: a comparison of developments, Wis. Law Rev, winter 67. Address: Box 7741, North Texas State University Station, Denton, Tex. 76203.

MORRISSEY, PROF. ELIZABETH, b. Elkhorn, Wis, Mar. 2, 87. ECONOMICS. B.A. Beloit Col, 08; M.A. Hopkins, 22, Ph.D. 30; hon. LL.D. Loyola Col. (Md), 54. Teacher, high schs, Mich, Iowa & Idaho, 08-20; from prof. to EMER. PROF. ECON, COL. NOTRE DAME (MD), 20- Mem. President Roosevelt's first cmt. econ. security; two wage & hour bds, U.S. Dept. of Labor; nat. cmt, Nat. Youth Admin; President Truman's consumer adv. cmt. Publ: Status of women; Technological unemployment; Challenge of the encyclicals. Address: Hopkins Apt, 3100 St. Paul St, Baltimore, Md. 21218.

MORRITT, HARRY HERBERT, Econ, see 10th ed, Soc. & Behav. Vols.

MORROW, GLENN D, Econ, Pub. Admin, see 10th ed, Soc. & Behav. Vols.

MORROW, DR. JOSEPH EUGENE, b. Paragould, Ark, Sept. 18, 35; m. 60; c. 3. PSYCHOLOGY. A.B. Sacramento State Col, 61, M.A. 62; Ph.D. (psychol), Washington State, 65. ASST. PROF. PSYCHOL, CALIF. STATE COL. FULLERTON, 65- Consult, State Dept. Ment. Health, Calif, 66- Behavior modification; comparative psychology; operant conditioning. Publ: Co-auth, Further evidence on the dependence between reinforcing and discriminative functions of a stimulus, 2: 61-62 & auth, Learning in an invertebrate with two types of negative reinforcement, Vol. 5, No. 3, Psychonomic Sci; co-auth, A possible explanation of excessive brother to sister ratios found in the siblings of male homosexuals, J. Nervous & Ment. Disease, 140: 305-306. Address: Dept. of Psychology, California State College at Fullerton, Fullerton, Calif. 92631.

MORROW, DR. ROBERT S(AMUEL), b. New York, N.Y., Nov. 18, 12; m. 40; c. 1. CLINICAL PSYCHOLOGY. B.S. N.Y. Univ, 34, M.A. 36, Ph.D. 40. Res. psychologist, Mayor's Marihuana Cmn, 40-41; personnel officer, U.S. Off. Emergency Mgt, 41-43; CHIEF PSYCHOL. SERV, VET. ADMIN. HOSP, BRONX, 46- Lectr, City Col. New York, 46-; N.Y. Univ, 47-48; adj. assoc. prof, N.Y. Med. Col, 58-; summers, vis. prof, Puerto Rico, 54; Portland State Col, 58; lectr, teachers col, Columbia, 55-60. Consult, State Dept. Civil Serv, N.Y., 56-59; New York Dept. Civil Serv, 57-, New York Dept. Hosps, 58- Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn; Psychopath. Asn. U.S.N., 43-46, Lt. Psychological concomitants of brain damage and physical disability. Publ: Correlation of intelligence and neurological findings on 22 patients autopsied for brain damage; Diagnostic memory scale: comparison of brain-damaged patients and normal controls; Psychological factors in muscular dystrophy. Address: 16 Pietro Place, Dobbs Ferry, N.Y. 10522.

MORROW, DR. WILLIAM R(OBERT), Psychol, see 10th ed, Soc. & Behav. Vols. Latest known address: 1404 Wilson, Columbia, Mo. 65201.

MORS, DR. WALLACE P(ETER), b. Chicago, Ill, Aug. 25, 11; m. 34; c. 2. FINANCE. Ph.B. Chicago, 33, A.M. 35, Ph.D.(finance), 42; C.P.A. Illinois, 37. Asst. prof. econ, De Paul, 38-42; chief wage anal, Regional War Labor Bd, 42-46; economist, Fed. Reserve Bank of Chicago, Ill, 46-48; prof. finance, BABSON INST, 48-51, 53-61, CHMN. DIV. FINANCE, 54-, dean faculty, 61-63. Assoc. prof. & dir. bur. bus. res, Western Reserve, 51-52. Finance Asn.(v.pres, 53); Econ. Asn. Corporation finance; consumer credit. Publ: Consumer credit theories; Consumer credit facts; Consumer credit finance charges: rate information and quotation, Columbia Univ. Press, 65. Address: 22 Jefferson Rd, Wellesley Hills, Mass. 02181.

MORSE, PROF. CHANDLER, b. Brooklyn, N.Y., Mar. 29, 06; m. 31. ECONOMICS. Ph.B. Amherst Col, 27; M.A. Harvard, 28. Instr. citizenship, Dartmouth Col, 28-29; statistician, Fed. Reserve Bank of N.Y., 29-35; economist, bd. governors, Fed. Reserve Syst, 35-41, asst. dir. econ. res, div. res. & statist, 46-47; chief, Admin. Export Control, 41; with res. & anal. br, Off. Strategic Serv, D.C., 41-44, chief Eng, 44-45; assoc. prof. ECON, Williams Col, 47-50; from assoc. prof. to PROF, CORNELL, 50-, dir. soc. sci. res. center, 54-56, chmn. econ. mission to S.Africa, 59. Rockefeller Found. & Soc. Sci. Res. Coun. res. grants, 64. Consult, Cent. Statist. Bd, D.C., 48; prog. staff, U.S. Dept. Interior, 48-49; Resources for Future, Inc, 56- Am. Econ. Asn; fel. African Studies Asn; Asn. Comp. Econ; Royal Econ. Soc. International trade and finance; money and banking; social accounting; economic development and sociology; natural resources. Publ: Co-auth, Scarcity and growth, Johns Hopkins, 63; Report of an economic survey mission to Basutoland, Bechuanaland Protectorate, and Swaziland; auth, Economics of African socialism, In: African socialism, Stanford, 64. Address: Dept. of Economics, Cornell University, Ithaca, N.Y. 14850.

MORSE, DR. DAN FRANKLIN, b. Wheeling, W.Va, Mar. 10, 35; m. 60; c. 3. ANTHROPOLOGY. A.B. Michigan, 58, A.M. 59, Ph.D.(anthrop), 67. State hwy. archaeologist, Ga. Hist. Cmn, 59-60; asst. prof. anthrop, Tennessee, 62-64; instr. & curator anthrop. & state hwy. archaeologist, Idaho State, 66-67; ASST. PROF. ANTHROP. UNIV. ARKANSAS & ARCHAEOLOGIST, ARK. ARCHAEOLOG. SURV, 67- U.S.A., 60-62. AAAS; Soc. Am. Archaeol; Ethnol. Soc; Brit. Prehist. Soc. Archaeology of Eastern United States. Publ: The Steuben village and mounds: a multicomponent late Hopewell site in Illinois, Mus. Anthropol, Univ. Michigan, 63. Address: Arkansas Archaeological Survey, Drawer 820, State University, Ark. 72467.

MORSE, DR. DEAN WEBER, b. New York, N.Y., Aug. 31, 20; m. 55. ECONOMICS. A.B. Harvard, 41; univ. fel, Ford Found. fel. & Ph.D.(econ), Columbia, 65. Instr. econ, Yale, 48-50; teacher, Fieldston Sch, 52-59; lectr. ECON, City Col, New York, 59-62; instr, COLUMBIA, 62-65, ASST. PROF, 65. Secy, seminar on tech. & soc. change, Columbia, 63-, res. assoc. conserv. human resources proj, 65- U.S.A., 42-46, 1st Lt. Econ. Asn; Econ. Hist. Asn; Indust. Rel. Res. Asn; Acad. Polit. Sci. History of economic thought; economic history; manpower. Publ: Co-ed, The impact of science on technology, 65 & Technological innovation and society, 66, Columbia. Address: 508 Lewisohn Hall, Columbia University, New York, N.Y. 10027.

- MORSE, HERBERT C (ARPENTER), b. New York, N.Y., Jan. 30, 11; m. 38; c. 4. ECONOMICS. B.A., Oberlin Col., 32; fel., Columbia, 35-36. Instr. econ. City Col. New York, 37; res. assoc. consumer ed., Alfred P. Sloan Found. Inst., 37-38; asst. prof. econ., Antioch Col., 41-42; economist, res. div., Off. Price Admin., 42-43 head, mil. procurement sect., durable goods div., 43-45, adjust. analyst, off. dep. admin., 45; economic analyst, bus. & indust. res. div., U.S. Bur. Internal Revenue, 45-47; ECONOMIST, Swift & Co., 47-66; FED. RESERVE BANK CHICAGO, 66- Am. Econ. Assn; Am. Acad. Polit. & Soc. Sci.; Royal Econ. Soc. Industrial organization; economics of the firm. Address: Research Dept., Federal Reserve Bank of Chicago, 230 S. La Salle St., Chicago, Ill. 60690.
- MORSE, JOHN WILLARD, b. New York, N.Y., Mar. 25, 13; m. 35; c. 3. STATISTICS. B.A., Oberlin Col., 35; M.A., Columbia, 37. Consult. statistician, Milbank Mgt. Corp. & Mercer Allied Co., 35-37; jr. statistician, Am. Tel. & Tel. Co., 37-41; statistician, textile div., U.S. Rubber Co., 41-42; indust. engr. & qual. control asst. to chief of bombs, rocket sect. ord., U.S. War Dept., 42-45; biostatistician & chief epidemiol. studies, venereal disease div., U.S. Pub. Health Serv., 45-51; mission statistician, Int. Coop. Admin., Govt. Chile, 51-56; asst. prof. econ. & statist., Hobart Col., 56-61; health statist. & pop. officer, AGENCY INT. DEVELOP., STATE DEPT., AM. EM-BASSY, Peru, 61-66, REGIONAL POP. OFFICER, RIO DE JANEIRO, BRAZIL, 66- Asst. prof. & head dept., Keuka Col., 57-58. AAAS; Statist. Assn; Inst. Math. Statist. Publ: Demography, feedback and decision making for economic and social development, Milbank Mem. Found., 4/64; Statistical problems and applications in executive control; Nuestra tarea en estadística. Address: U.S. Agency for International Development, American Embassy, APO New York 99676.
- MORSE, PROF. NORMAN H (ARDING), b. West Paradise, N.S., Nov. 6, 20; m. 45; c. 5. ECONOMICS. B.A., Acadia, 40, M.A., 41; M.A., Toronto, 42, Soc. Sci. Res. Coun. Can. grant, 51-52, Ph.D. (econ), 52. Lectr. econ., Acadia, 45-47, asst. prof., 48-51, 52-53, prof., 53-57, 58-62, acting head dept., 62-64, head dept. econ. & social. & acting dean arts, 64-65; instr., Toronto, 47-48, asst., 51-52, res. fel., 57-58; PROF. ECON., DALHOUSIE, 65-, vis. prof., 63-64. Consult., N.S. Road Builders Assn, 60-61. Secy, Royal Cmn. Rural Credit, 56-57; Royal Cmn. Invest. Oper. Cold Storage Plants, Annapolis Valley, 57; mem. scholarship cmt., Can. Coun., 57-59. R.C.A.F., 42-45, Res., 45-, Flight Lt. Economet. Soc; Can. Polit. Sci. Assn; Econ. Hist. Soc., Brit. Canadian American economic history, economic theory and resource industries. Publ: An economic evaluation of a National Park, & Economic value of the Atlantic Salmon Fishery in Nova Scotia, Acadia Univ. Inst., 65; Agriculture in the Maritime Provinces, Dalhousie Rev., winter 60. Address: Dept. of Economics, Dalhousie University, Halifax, N.S., Can.
- MORSE, DR. RICHARD J (OHNSON), b. Greensboro, Ala., Jan. 6, 38; m. 63; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A., Stillman Col., 60; M.A., Mich. State, 63, Ph.D. (sociol., soc. psychol.), 66. Asst. prof. sociol. & ed., Delaware, 66-67; CHMN. DIV. SOC. SCI., STILLMAN COL., 67-. Field reader, coop. res. br., U.S. Off. Ed., 66-67. Consult., Dover Spec. Sch. Dist., Del., 66. Sociol. Assn. Relationships between personality and social structural variables and educational and occupational aspirations and achievement; exploration of variables that facilitate and/or impede successful intergroup education. Publ: Co-auth. The educational status of children during the first school year following four years of little or no schooling, Coop. Res. Proj. Report, U.S. Off. Ed., 66; auth. Self-concept of ability and school achievement: a comparative study of Negro and Caucasian students of socio-economic status and functioning in school; a symbolic interactionist interpretation, In: Self-concept of ability and school achievement, Ed. Pub. Serv., Col. Ed., Mich. State Univ., 67. Address: Social Science Division, Stillman College, Tuscaloosa, Ala. 35401.
- MORSE, PROF. RICHARD L (AWRENCE) D (AY), b. Grinnell, Iowa, Dec. 27, 16; m. 43; c. 3. FAMILY ECONOMICS. A.B., Wisconsin, 38; Chicago, 38-39; Ph.D. (econ), Iowa State, 42. Asst. & assoc. agr. exp. sta., Iowa State, 39-42, asst. to dir. exp. sta., 42, 46-47, asst. prof., 46-47; prof. FAMILY ECON., Fla. State, 47-55; PROF. & HEAD DEPT., KANSAS STATE, 55-Pres., credit union, Fla. State, 44-45. Consult., Fla. Citrus Cmn., 49-55; consult. Spec. Asst. to President for Consumer Affairs, 64; U.S. Treas., 66-68. Mem. Consumer Adv. Coun., 62-64; President's Cmt. Consumer Interests, 64. U.S.N.R., 42-46, Lt. AAAS; Econ. Assn; Home Econ. Assn; Statist. Assn. Consumer preference; family finance; consumer credit. Publ: Truth-in-lending, Coun. Consumer Info, 67; Rationale for studies of consumer food preferences, Adv. Food Res.; Lengthening distance between the haves and the have nots, J. Home Econ, 67. Address: Dept. of Family Economics, Kansas State University, Manhattan, Kans. 66502.
- MORSE, PROF. WILLIAM CHARLES, b. Erie, Pa., Oct. 23, 15; m. 37; c. 2. PSYCHOLOGY, EDUCATIONAL PSYCHOLOGY. A.B., Michigan, 38, M.A., 39, Ph.D., 47. Dir. fresh air camp, MICHIGAN, 45-61, PROF. ED. PSYCHOL. & PSYCHOL. & CHMN. COMBINED PROG. ED. & PSYCHOL., 61-. Res. dir., Nat. Inst. Ment. Health res. grant. Consult., Ann Arbor & Livonia Pub. Schs; Children's Psychiat. Hosp. & Hawthorn Center. Mem. Nat. Cmn. Ment. Health Children & Youth. Ed. Res. Assn; Coun. Except. Children; fel. Orthopsychiat. Assn; fel. Psychol. Assn. School mental health programs; dimensions of school classroom behavior; evaluation of educational programs for the disturbed child; personal attributes of special education personnel; evaluation of training program for pre-school teachers of the emotionally disturbed. Publ: The education of socially maladjusted and emotionally disturbed children, In: Education of exceptional children and youth, Prentice-Hall, 67; Enhancing the classroom teacher's mental health function, In: Emergent approaches to mental health problems, Appleton, 67; Contemporary practices in the education of the emotionally disturbed child, In: Proc. Del. Conf. Handicapped Child, Alfred J. DuPont Inst., Wilmington, Del., 67. Address: Dept. of Educational Psychology, University of Michigan, Ann Arbor, Mich. 48104.
- MORSE, DR. W (ILLIAM) H (EBERT), Psychobiol., see 11th ed, Phys. & Biol. Vols.
- MORSELL, DR. JOHN A (LBERT), b. Pittsburgh, Pa., Apr. 14, 12; m. 37; c. 1. SOCIOLOGY. B.S.S., City Col. New York, 34; A.M., Columbia, 38, Ph.D.

- (sociol), 51. Soc. investr. & asst. supvr, New York Dept. Welfare, 34-47; dir. inst. community rels, Sydenham Hosp., 47-49; study dir. bur. appl. soc. res., Columbia, 49-51; Int. Res. Assocs., Inc., 51-56; ASST. EXEC. SECY, NAT. ASN. ADV. OF COLORED PEOPLE, 56-. Sociol. Assn; Asn. Pub. Opinion Res. Opinion and attitude research; political behavior; race relations. Publ: Electoral change in Italian communes, Pub. Opinion Quart; Schools, courts and the Negro's future, Harvard Ed. Rev.; co-auth. Epidemiologic approach to the study of high blood pressure, Am. J. Pub. Health. Address: 1790 Broadway, Tenth Floor, New York, N.Y. 10019.
- MORSH, DR. JOSEPH EUGENE, b. Florence, Colo., Aug. 30, 00; m. 34. PSYCHOLOGY. B.A., British Columbia, 29; for. scholar, Hopkins, 29-30, Ph.D. (psychol), 32. Asst. Hopkins, 30-32; Nat. Res. Coun. fel. psychol., Gallaudet Col., 32-34; lectr., British Columbia, 34-37, asst. prof., 37-43, assoc. prof., 43-46, prof., 46-49; assoc. prof., Hawaii, 49-50; RES. PSYCHOLOGIST, PERSONNEL RES. LAB, LACKLAND AIR FORCE BASE, 50-. Res. assoc., Wash. D.C. Sch. Syst., 34-35; British Columbia, 35-49. Lectr., summer sch., California, Los Angeles, 38-39; Alberta, 41. Res. psychologist, Can. Army Oper. Res. Group, 44-46. Fel. Psychol. Assn. Instructor effectiveness; proficiency measurement; occupational analysis and classification. Publ: Co-auth. Identifying the effective instructor: a review of the quantitative studies, 1900-1952, Air Force Personnel & Training Res. Center, 10/54, Job analysis in the United States Air Force, 2/61 & Procedural guide for conducting occupational surveys in the United States Air Force, 9/67, Personnel Res. Lab., U.S. Air Force. Address: 453 Club Dr., San Antonio, Tex. 78201.
- MORSS, NOEL, b. Boston, Mass., Dec. 25, 04; m. 37; c. 1. ARCHAEOLOGY. A.B., Harvard, 26, LL.B., 29. Res. assoc. southwest. archaeol., Peabody Mus., Harvard, 25-29; treas. & clerk, Coun. Old World Archaeol., 53-60, pres. & treas., 60-66; res. fel. PREHIST. AM. SOUTHWEST, PEABODY MUS., HARVARD, 54-66, RES. ASSOC., 66-. Fel. AAAS; fel. Anthropol. Assn; Soc. Archaeol. Archaeology, especially of the northern American Southwest and its northern periphery. Publ: Archaeological explorations on the middle Chinle, Memoirs Am. Anthropol. Assn; Ancient culture of the Fremont River in Utah & Clay figurines of the American southwest, Peabody Mus. Papers. Address: Farm St., Dover, Mass. 02030.
- MORSTEIN MARX, PROF. FRITZ, b. Hamburg, Germany, Feb. 23, 00; nat. POLITICAL SCIENCE. Ph.D., Hamburg, 22. Mem. faculty, Princeton, 34-35; Harvard, 35, asst. prof., 38-39; assoc. prof., Queens Col., 39-42; lectr., American Univ., 44-49, adj. prof., 50-60; prof. polit. sci. & dean admin., Hunter Col., 60-62; PROF. COMP. ADMIN. SCI. & PUB. LAW, TECH. UNIV. MGT. SCI., SPEYER, 62-. Rockefeller fel., 30-31; vis. lectr., Pa. Sch. Soc. Work, 34-35; N.Y. Univ., 34-35, 39-42; Columbia, 39-41; Yale, 42; Howard, 48-50; Washington (Seattle), 57; Southern California, 58; Ford Found. res. prof., Princeton, 59-60; vis. lectr., Puerto Rico, 61; vis. prof., Tübingen, 63; Heidelberg, 65-. Consult. admin. mgt. div., U.S. Bur. Budget, 42-45, staff asst. off. dir., Exec. Off. President, 45-60. Mem. expert cmm. admin. reform & simplification, State of Hesse, Germany, 66-. Polit. Sci. Assn; Soc. Pub. Admin. Public administration; comparative government; political theory. Publ: Amerikanische Verwaltung, 63, Das Dilemma des Verwaltungsmannes, 65 & ed, Verwaltung, 65, Duncker & Humblot, Berlin. Address: 672 Speyer, Freiherr-vom-Stein-Strasse 2, Germany.
- MORTENSEN, DEAN DONALD G (RANT), b. Manassa, Colo., May 20, 13; m. 42; c. 3. EDUCATIONAL PSYCHOLOGY. A.B., Brigham Young, 37; Ed.D., Southern California, 50. Asst. prof. ed., CALIF. STATE COL. LOS ANGELES, 49-50, assoc. prof., 50-56, prof., 56-65, DEAN SCH. FINE & APPL. ARTS, 65-, inst. dir., Vet. Admin. Guid. Center, 54-56, coordinator guid. & pupil personnel serv., 56-61. Lectr., Southern California. U.S.N.R., 42-46, Lt. Psychol. Assn; Personnel & Guid. Assn; Asn. Couns. Ed. & Supv. Sales personnel selection. Publ: Guidance in today's schools; co-auth. Principles of guidance, campus; co-auth. Guidance in today's schools, Wiley, 2nd ed, 68. Address: School of Fine & Applied Arts, California State College at Los Angeles, Los Angeles, Calif. 90032.
- MORTHLAND, DR. REX J, b. Topeka, Kans., Oct. 13, 12; m. 37; c. 3. ECONOMICS. A.B., California, Los Angeles, 33; M.A., California, 34; Soc. Sci. Res. Coun. fel., 38-39; Ph.D. (econ), Chicago, 46. Asst. prof. agr. econ., Connecticut, 40-41; v.pres., PEOPLES BANK & TRUST CO., 46-53, PRES, 53-. Course coordinator, Sch. Banking of the South, La. State, 61; dir., Birmingham Br., Fed. Reserve Bank of Atlanta, 65-67. U.S.A., 41-46, Maj. Royal Econ. Soc. Money and banking; government finance. Publ: Survey of local finance in Illinois; Bonded indebtedness of local governments, 1927-1940; Credit analysis, specific tools of analysis, The banker's handbook, Dow-Irwin, 66. Address: Peoples Bank & Trust Co., Selma, Ala. 36701.
- MORTIMER, DR. ROBERT AMSDEN, b. New York, N.Y., Oct. 16, 38; m. 62; c. 2. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A., Wesleyan, 60; Fulbright fel., Toulouse, 60-61; M.A., Columbia, 63, Ph.D. (govt), 68. ASST. PROF. POLIT. SCI., Prairie View Agr. & Mech. Col., 65-66; HAVERFORD COL., 66-, co-dir., Nat. Defense Ed. Act. Inst. Adv. Study African Studies, 67-68. Polit. Sci. Assn; Int. Studies Assn. Impact of the international political system upon the political development of newly independent states, and their impact on the international political system. Address: Dept. of Political Science, Haverford College, Haverford, Pa. 19041.
- MORTIMER, DR. RUDOLF GEORGE, b. Trutnov, Czech, May 7, 34; U.S. citizen; m. 58; c. 4. ENGINEERING PSYCHOLOGY. B.A., N.Y. Univ., 59, M.A., 61; Ph.D. (psychol), Purdue, 63. Sr. res. psychologist, res. labs, Gen. Motors Corp., 63-67; RES. PSYCHOLOGIST, HWY. SAFETY RES. INST., UNIV. MICHIGAN, 67-. R.A.F., 50-52. Psychol. Assn; Human Factors Soc. Psychological studies of perceptual-motor skill learning; vision in low levels of illumination; automotive lighting and signaling systems; traffic safety. Publ: The effect of glare in simulated night driving, Hwy. Res. Record, 65; co-auth. The effects of visual and verbal cues on learning a motor skill, J. Exp. Psychol., 62; auth. Driving with a CRT display, Perceptual & Motor Skills, 67. Address: 1515 Morton Ave., Ann Arbor, Mich. 48104.
- MORTON, DR. ANTON S (ALOMON), b. Frankfurt, Germany, Dec. 27, 32; nat; m. 58; c. 2. SOCIAL PSYCHOLOGY. A.B., Harvard Col., 53; fel., Princeton, 53-56, M.A., 56, Ph.D. (psychol), 59. Res. psychologist, U.S. Navy Personnel

Res. Activity, D.C. 56; aviation exp. psychologist, U.S. Navy Sch. Aviation Med, 57-60; mem. tech. staff, Mitre Corp, Mass, 60-62; sci. analyst, opera. eval. group, Mass. Inst. Tech, 62; staff mem. strategic dept, Raytheon Co, 62-63; manpower proj, Inst. Naval Studies, 63-65, proj. dir, 65-66; MEM. SR. STAFF, ARTHUR D. LITTLE, INC, 66- U.S.N., 56-60, Res, 60-68. Psychol. Asn; Opers. Res. Soc. Am. Military sociology; manpower and social systems analysis; survey research. Publ: Similarity as a determinant of friendship; a multi-dimensional study; Youth and political change, Pub. Opinion Quart; co-auth, The costs and effectiveness of reenlistment incentives in the Navy, Opers. Res, 5-6/67. Address: Arthur D. Little, Inc, 35 Acorn Park, Cambridge, Mass. 02140.

MORTON, PROF. FREDERIC RAND, Renaissance Peninsular, Exp. & Appl. Ling, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

MORTON, DR. HENRY W(ALTER), b. Vienna, Austria, Oct. 6, 29; nat; m. 56; c. 1. COMPARATIVE GOVERNMENT. B.A. City Col. New York, 52, fels, 55-57; M.A. Columbia & cert. Russian Inst, 54, Ph.D. 59. Lectr. govt, City Col. New York, 57-60; instr. POLIT. SCI, QUEENS COL.(N.Y.), 60-63, asst. prof, 63-66, ASSOC. PROF, 66- Summer vis. asst. prof, Columbia, 61; sr. res. fel, Russian Inst, Columbia, 67-68. Mem. inter-univ. cmt. on travel grants fel. to U.S.S.R., 64. Polit. Sci. Asn; Asn. Adv. Slavic Studies. Soviet bloc politics, especially the Soviet Union; nature of the communist party, its role in effecting social and economic change, and its successes and failures. Publ: Co-auth, Soviet sport, mirror of Soviet society, Collier Books, 63; auth. & ed, Soviet policy making, studies of Communism in transition, Praeger, 67. Address: Dept. of Political Science, Queens College, Flushing, N.Y. 11367.

MORTON, DR. HERBERT C, b. U.S. July 19, 21; m. 46; c. 2. ECONOMICS. B.A. Minnesota, 42, M.A. 50, Ph.D.(bus. admin), 64. Info. specialist, War Assets Admin, 46-47; news ed. & feature writer, St. Paul Pioneer Press & Dispatch, 47-53; asst. prof. bus. admin, Amos Tuck Sch. Bus. Admin, Dartmouth Col, 53-56; DIR. PUB. BROOKINGS INST, 56- Vis. lectr, Amos Tuck Sch, Dartmouth Col, spring, 66. Consult, Ford Found, 64-66. Trustee, Joint Coun. Econ. Ed, 60- Sig.C, 42-46, Sgt. Econ. Asn. Journalism; industrial relations and labor economics. Publ: Public contracts and private wages, 65, ed, Brookings papers on public policy, 65 & co-auth, An introduction to economic reasoning, 4th ed, 67, Brookings Inst. Address: Brookings Institution, 1775 Massachusetts Ave, Washington, D.C. 20036.

MORTON, DR. JOSEPH E(DWARD), b. Vienna, Austria, Feb. 11, 07; nat; m. ECONOMIC STATISTICS. J.D. Charles Univ, 30; Paris & Frankfurt, 31-32; Sc.D. Geneva, 35. Res. asst. Int. Labour Orgn, 33; lectr. math. econ, Geneva, 35-36; secy, Paper Mfg. Asn, Prague, 36-38; prof. statist. & econ, Knox Col, 39-45; statistician, Cornell, 46-55; chief statistician, Nat. Sci. Found, 55-57; statist. adv, UN Econ. Cmn. Asia & Far East, 57-59; dep. chief, Asia Off, Bur. Tech. Asst. Opers, UN, 59-61; v-pres, Stewart, Dougall & Assocs, 61-63; SR. RES. ASSOC, W.E. UPJOHN INST, 63- Vis. prof, Univ. Philippines, 65-68. Res. assoc, Nat. Bur. Econ. Res, 42-56; chief statistician, Housing & Home Finance Agency, 50-51; dir, Am. Statist. Asn. Surv. of U.S. Bur. Mines, 51-52. Consult, U.S. Bur. Census, 50; U.S. Dept. Army, 54. Am. Statist. Asn; Econ. Asn; Economet. Soc; Opers. Res. Soc; fel. Royal Statist. Soc; Philippine Statist. Asn. Quantitative methods in social sciences; manpower; marketing. Publ: Urban mortgage lending; Analytical potential of current population survey for manpower and employment research. Address: 380 Mountain Rd, Union City, N.J. 07087.

MORTON, PROF. LOUIS, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MORTON, DR. N(ELSON) W(HITMAN), b. Prince Albert, Sask, May 14, 10; m. 41; c. 2. PSYCHOLOGY. B.A. McGill, 30, Ph.D. 33. Lectr. psychol, McGill, 33-39, from asst. prof. to assoc. prof, 39-48; res. psychologist, Defence Res. Bd, Can, 47-49, dir. opers. res, 49-52, chief div. D, 52-54, sci. adv. to chief gen. staff, 54-59, defense res. mem, Can. Joint Staff, D.C. 59-61, CHIEF OF PERSONNEL, DEFENSE RES. BD, CAN, 61- Adv. Govt. of India, 46-47; chmn. assoc. cmt. appl. psychol, Nat. Res. Coun, Can, 48-55. Can. Army, 41-46, Lt. Col. Opers. Res. Soc. Am; fel. Can. Psychol. Asn; Can. Opers. Res. Soc. Psychological tests; perception; statistical methods. Address: 396 Wilbroad St, Apt. 1, Ottawa 2, Ont, Can.

MORTON, DR. ROBERT B(ENJAMIN), b. Little Rock, Ark, June 13, 12; m. 40; c. 3. PSYCHOLOGY. B.A. & M.A. Louisiana, 38; Ph.D. Ohio State, 49. Supvr. qual. control lab, Joseph E. Seagram & Sons, Inc, 40-42; clin. psychologist, Vet. Admin. Hosp, 46-50, chief psychol. serv, 50-61; mgr. mgt. develop. Aerojet-Gen. Corp. Div, Gen. Tire & Rubber Co, 61-65; consult. indust. psychologist, Byron Harless & Assocs, 65-66; MGT. & ORGN. DEVELOP. CONSULT, 66- Clin. asst. prof, col. med, Baylor, 50-61; prof, Sacramento State Col, 67- Assoc, Nat. Training Labs, 64- U.S.A.A.F., 42-44; U.S.A. 44-45, Med.Serv.C, 45-46. Psychol. Asn. Behavior change; human relations training; decision making; organizational development; group behavior. Publ: The patient training laboratory, In: Individual & organizational change through laboratory methods, Wiley, 65; The organizational training laboratory: some individual & organizational effects, J. Adv. Mgt, 65; Levels of prediction from the thematic apperception test, In: Handbook of projective techniques, Basic Books, 65. Address: 4841 Hope Lane, Sacramento, Calif. 95821.

MORTON, DR. SHELDON I(VAN), b. Cleveland, Ohio, Apr. 8, 17; m. 48; c. 2. PSYCHOLOGY. A.B. California, Los Angeles, 39, M.A. 41; Ed.D.(ed. psychol), Stanford, 52. Counselor, San Francisco Vet. Counseling Center, 46-53, sr. counselor & mgr, 53-55; counseling psychologist, CITY COL. OF SAN FRANCISCO, 55-60, PROF. PSYCHOL, 60- Private practice, 52-; codir, Psychol. Assoc. San Francisco, Calif, 60-; lectr, Starr King Sch. Ministry, 61; oral examining cmnr, psychol. examining cmt, State of Calif, 64-68. Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.A. 42-46, Capt. AAAS; Psychol. Asn. Psychotherapy; clinical counseling; marital and family relations; teaching. Address: 322 Glenwood Ave, Daly City, Calif. 94015.

MORTON, PROF. WALTER A(LBERT), b. Cleveland, Ohio, Mar. 25, 99; m. 29; c. 2. ECONOMICS. A.B. & A.M. Michigan, 24; fel, Brookings Inst,

24-25; Ph.D. Wisconsin, 27. From asst. to assoc. prof. ECON, WISCONSIN, MADISON, 28-38, PROF, 38- Soc. Sci. Res. Coun. fel, 34-35. Econ. Asn. Money and banking; finance; rate of return. Publ: British finance, 1930-1940; Housing taxation; Rate of return and the value of money in public utilities. Address: 108 N. Spooner St, Madison, Wis. 53705.

MORTON, PROF. WARD M(KINNON), b. Fredericksburg, Tex, Mar. 29, 07; m. 40; c. 1. GOVERNMENT, POLITICAL SCIENCE. A.B. Southwest Tex. State Col, 29; M.A. Texas, 36, Ph.D. 40. Tutor govt, Texas, 36-38; asst. prof. polit. sci, Arkansas, 38-45, assoc. prof, 45-49; GOVT, SOUTHERN ILLINOIS, 49-59, PROF, 59- Fel, Latin Am. Inst, 41-42; Texas traveling fel, Mex, 41-42; vis. prof, Univ. Nicaragua, 60. Summer assoc. prof, Wayne, 48. U.S.A.F., 42-45, 51-53, 1st Lt. Polit. Sci. Asn. Recent democratic and liberal political theory; Latin American government and politics, especially Mexican constitutional development and recent political theory. Publ: Castro as a charismatic hero, Center Latin Am. Studies, Univ. Kansas, 65; Arte y la ciencia de la politica, In: Revista conservadora; Women suffrage in Mexico, Gainesville, 63; Mexican Constitutional Congress of 1916-1917, Southwest Soc. Sci. Quart. Address: Dept. of Government, Southern Illinois University, Carbondale, Ill. 62903.

MOSAK, DR. HAROLD H, b. Chicago, Ill, Oct. 29, 21; m. 48; c. 3. CLINICAL PSYCHOLOGY. B.A. Chicago, 43, Ph.D.(psychol), 50. Psychologist, Jewish Voc. Serv, Ill, 41-43, 46; clin. psychologist, Vet. Admin. Hosp, Hines, Ill, 47-50; Vet. Admin. Ment. Hyg. Unit, Denver, Colo, 50-51; PRACTICING CLIN. PSYCHOLOGIST, 51- Lectr, Roosevelt, 51-; res. assoc, Chicago, 58- Consult, Cook County Jail, 65-66; Charles F. Read Zone Center, 65; Vet. Admin. Res. Hosp, Chicago, 66-; Teacher Develop. Center, Rockford, Ill. schs, 67- Dipl. Am. Bd. Exam. Prfnl. Psychol, 56. U.S.A.A.F., 43-46. Psychol. Asn; Acad. Psychother. Projective techniques; psychotherapy; psychodynamics. Publ: Selective perception in the interpretation of symbols, J. Abnorm. & Soc. Psychol; Language and the interpretation of sexual symbolism, J. Consult. Psychol; Therapist-patient relationship in multiple psychotherapy, Psychiat. Quart. Address: 6 N. Michigan Ave, Chicago, Ill. 60602.

MOSAK, DR. JACOB L(OUIS), b. Warsaw, Poland, Sept. 5, 13; U.S. citizen; m. 37; c. 3. ECONOMICS. A.B. Chicago, 35, Soc. Sci. Res. Coun. fel, 38-39, Ph.D. 41. Instr. econ, Chicago, 39-43; economist, U.S. Govt, 41-47; asst. dir, bur. econ. affairs, UN, 47-59, DEP. UNDER-SECY. ECON. & SOC. AFFAIRS, 59- Res. assoc, Cowles Cmn. Res. & Econ, 39-43; vis. lectr, Columbia, 49-55, vis. prof, 55- Econ. Asn; fel. Economet. Soc; Statist. Asn. Economic theory; economic development; international trade and finance. Address: Center for Development Planning, Projections & Policies, United Nations, New York, N.Y. 10017.

MOSBAEK, DR. ERNEST J, b. U.S. June 7, 30; m. 57; c. 3. ECONOMICS, STATISTICS. B.S. Wis. State Col.(River Falls), 52; M.S. Iowa State, 55, Ph.D. 57. Asst. econ, Iowa State, 54-57; economist, Fed. Reserve Bank San Francisco, 57-58; Gen. Elec. Co, 58-63; Battelle Mem. Inst, 63-67; MGT. ECON. DIV, GEN. ELEC. CO-TEMPO, 67- Instr, California, 62. Nat. Guard, 49-60, 1st Lt. Economet. Soc; Statist. Asn; Econ. Asn; Philos. Sci. Asn. Econometric research on economic models; development and implementation of decision models. Address: 5310 Sangamore Rd, Washington, D.C. 20016.

MOSCONI, PROF. DAVID L, b. Denver, Colo, Aug. 12, 16; m. 37; c. 5. ECONOMICS, FINANCE. B.S. Denver, 41, M.S. 43; Ph.D. N.Y. Univ, 52. Researcher, Tax Found, Inc, 44-54; asst. to dean grad. sch. bus. admin, N.Y. Univ, 45-46; PROF. ECON. & FINANCE, DENVER, 46. Proj. dir, Acad. Ed. Develop, 67. Econ. Asn; Finance Asn. Corporation finance. Publ: Financing of industrial development in Colorado. Address: Dept. of Finance, University of Denver, Denver, Colo. 80210.

MOSELE, PROF. JAMES N(ORMAN), b. Steubenville, Ohio, Dec. 22, 18; m. 43; c. 2. PSYCHOLOGY. B.A. Colgate, 40; M.A. Columbia, 41. Fel. PSYCHOL, City Col. New York, 41-42; instr, Col. Wooster, 46-48; assoc. prof, GEORGE WASHINGTON, 48-62, PROF, 62- Info. specialist, Vet. Admin. & War Assets Admin, 46; Ford Found. grant, Bangkok, Thailand, 58-59; vis. prof, Inst. Pub. Admin, Thammasat, 59-60; vis. lectr, For. Serv. Inst, Dept. State, 60-; hon. faculty mem, Army Mgt. Sch, 62- Consult, Int. Bus. Mach. Corp, 66- Mem, Southeast Asia Develop. Adv. Group & Acad. Coun. Thailand, 66- U.S.N.R., 42-46, 50-52, Lt. Comdr. AAAS; Psychol. Asn; Ling. Soc; Oriental Soc; Asn. Asian Studies. Industrial psychology; cross-cultural study of administrative behavior; psycholinguistics. Publ: Communication patterns and political socialization in transitional Thailand, In: Communications and political development, Princeton Univ. Press, 63; The validity of the employment recommendation questionnaire, I, II & III, Personnel Psychol; Thai administrative behavior, In: Toward the comparative study of public administration, Indiana Univ, 57. Address: Dept. of Psychology, George Washington University, Washington, D.C. 20008.

MOSELEY, DR. MICHAEL EDWARD, Anthropol, Archaeol, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MOSELEY, PROF. PHILIP E(DWARD), b. Westfield, Mass, Sept. 21, 05. INTERNATIONAL RELATIONS. A.B. Harvard, 26, A.M. 30, Ph.D. 33; Cambridge, 26-27; LL.D. Notre Dame, 56, Union Col.(N.Y.), 59, Middlebury Col, 63. Instr, Princeton, 29-30; Union Col.(N.Y.), 33-35; assoc. prof. Res. Coun. fel, 35-36; asst. prof. hist, Cornell, 36-40, assoc. prof, 40-42; PROF. INT. RELS, COLUMBIA, 46-55, 63-, ASSOC. DEAN FACULTY INT. AFFAIRS & DIR. EUROPEAN INST, 63-, dir. Russian Inst, 51-55, dir. studies, coun. for. rels, 55-63. Officer, U.S. Dept. State, 42-46; Rockefeller Found, 47-51; dir. res. prog, U.S.S.R., 51-55; pres. East. European Fund, Inc, 52-61. Trustee, For. Policy Asn; Rand Corp, 51-61 & 63- Mem. Coun. For. Rel. Polit. Sci. Asn; Philos. Soc; Hist. Asn. United States foreign policy; Soviet and western European foreign policy; Russian and Balkan history. Publ: Russian diplomacy and the opening of the eastern question in 1838 and 1839, Harvard, 34; The Kremlin and world politics, Vintage Books, 60. Address: European Institute, Columbia University, 622 W. 113th St, New York, N.Y. 10025.

MOSER, PROF. DAVID E(LLIOTT), b. Tacoma, Wash, July 16, 14; m. 36; c. 3. ECONOMICS, BUSINESS MANAGEMENT. B.A., Willamette, 35; M.S., Columbia, 38. Asst. dir. res. Abraham & Straus, 36-37; instr. bus. admin. City Col. New York, 38-42, asst. prof. sch. bus. 42-51, asst. dir. exten. 45-51; pres. & gen. mgr. Moser's, Inc. 51-55; dir. mkt. res. Consol. Freightways, Inc. 55-61; ASSOC. PROF. PHYS. DISTRIBUTION MGT, COL. AGR., MISSOURI, COLUMBIA, 61- Staff exec. mkt. & distribution, Nat. Asn. Mfrs. 44-45. Agr. Econ. Asn; Mkt. Asn. Industrial location; business logistics. Publ: Transportation in agriculture and business, Univ. Missouri Exten. Div, 64; Needed educational programs in transportation, In: Transportation problems and policies in the Trans-Missouri West, Univ. Nebraska, 67. Address: Dept. of Agricultural Economics, University of Missouri, Columbia, Mo. 65201.

MOSER, PROF. HENRY MICHAEL, Speech Pathol, see 11th ed, Phys. & Biol. Vols.

MOSER, PROF. LESLIE EUGENE, b. Palestine, Tex, Sept. 10, 18. COUNSELING, PSYCHOLOGY. B.A., Stephen F. Austin State Col, 39; summer, Sul Ross State Col, 41; Ph.D. (personnel & guid), Colorado, 55. Prin. & teacher, pub. sch. Tex, 39-42; teacher, high sch., 44-50, dir. guid, 50-55; PROF. PSYCHOL., BAYLOR, 55- Summers, vis. lectr., Stephen F. Austin State Col, 55; Wyoming, 56. Psychol. Asn. Counseling, especially in school and religious settings. Publ: Counseling: a modern emphasis in religion; co-auth, Counseling and guidance—an exploration, Prentice-Hall, 63 & Stand tall and straight, Word Books, 67. Address: Dept. of Psychology, College of Arts & Sciences, Baylor University, Waco, Tex. 76703.

MOSES, DR. CARL CALVIN, b. Princeton, W.Va, Apr. 14, 21; m. 43; c. 2. POLITICAL SCIENCE. A.B., Col. William & Mary, 47; M.A., North Carolina, 55, South. Fund fel. 56-57, Ph.D., 58. Instr. POLIT. SCI., North Carolina, 54-56; asst. prof. Va. Polytech, 57-60; vis. asst. prof., Florida, 60-61; ASSOC. PROF., Va. Polytech, 61-64; WAKE FOREST, 64- Nat. Defense Ed. Act fel. summer spec. lang. prog, 63. U.S.A.A.F., 43-45, 1st Lt. Polit. Sci. Asn; Latin Am. Studies Asn. Latin American government and politics, especially fields of public law and the judiciary; international relations in Central America. Publ: Contemporary political, economic and cultural relations among the Central American states. Address: Dept. of Political Science, Wake Forest University, Box 7565 Reynolda Station, Winston-Salem, N.C. 27109.

MOSES, DR. LEON, Med, Psychiat, see 11th ed, Phys. & Biol. Vols.

MOSES, PROF. LEON N(ATHAN), b. New York, N.Y., Oct. 27, 24; m. 46; c. 3. ECONOMICS. B.A., Ohio State, 46; M.A., Harvard, 49, fel. 50-52, Ph.D., 52. Instr. dept. econ. Miami (Fla), 46-47; Northwestern, 50-51; mem. indust. econ. br., Tenn. Valley Authority, 51-52; res. asst. econ. res. proj., Harvard, 52-59, asst. prof. dept. econ. 56-59; PROF. ECON., NORTHWESTERN, 59-, asst. dir. res. Transportation Center, 59-60, dir. res. 60-64. Ford Found. fel. 64-65. U.S.A., 42-43. Econ. Asn; Regional Sci. Asn. Interregional and international trade; industrial location and economic development; income distribution; location and transportation economics. Publ: Interregional trade and input-output analysis, Am. Econ. Rev; co-auth, Transport and the urban economy, (in pres) & Migration and regional development, (in prep). Address: 342 Custer St, Evanston, Ill. 60202.

MOSES, PROF. LINCOLN E(LLSWORTH), Statist, see 11th ed, Phys. & Biol. Vols.

MOSHER, DR. A(RTHUR) T(HEODORE), b. Ames, Iowa, Oct. 4, 10; m. 36; c. 4. AGRICULTURAL ECONOMICS. B.S., Illinois, 32, M.S., 41; Farm Found. fel. 41-42; Ph.D. (agr. econ), Chicago, 46. Asst. agr. engr. Allahabad Agr. Inst, India, 33-40, head exten. dept. 46-53, prin. 48-53; vis. prof. econ. develop. & cultural change, Chicago, 53-55; acting prof. exten. ed. Cornell, 55-57; exec. dir. Coun. Econ. & Cultural Affairs, 57-67; PRES. AGR. DEVELOP. COUN, 67- Agr. Econ. Asn; Int. Asn. Agr. Econ; Soc. Int. Develop. Agricultural development; extension education. Publ: Getting agriculture moving, Praeger, 66; Technical cooperation in Latin American agriculture. Address: 118 N. Sunset Dr, Ithaca, N.Y. 14850.

MOSHER, DR. DONALD L(EO), b. Anniston, Ala, July 2, 35; m. 58; c. 2. CLINICAL PSYCHOLOGY. B.A., Montana, 57; U.S. Pub. Health Serv. fel., Ohio State, 57-58, M.A., 59, Ph.D., 61. Asst. Ohio State, 58-59, asst. instr. 60-61, vis. summer instr. 61, vis. asst. prof. 63-64, asst. prof. 64-65, assoc. prof. 65-66; ASSOC. PROF. PSYCHOL., CONNECTICUT, 66- Psychol. intern. Juvenile Diag. Center, Chillicothe Vet. Admin. Hosp. & Columbus Vet. Admin. Ment. Hyg. Clin. 59-60; clin. psychologist, Walter Reed Gen. Hosp. 61-63; psychologist, Loudoun County Guid. Center, Va. 62-63. Res. consult, Children's Hosp. 63-64; Conn. Valley Hosp. 66-; psychol. consult, West Haven Vet. Admin. Hosp. 67- Dipl. clin. psychol., Am. Bd. Exam. Prflnl. Psychol. U.S.A., 61-63, Capt. Psychol. Asn; fel. Soc. Proj. Tech. & Personality Assessment. Publ: Co-auth, Changes in affective states as a function of guilt over aggressive behavior, J. Consult. Psychol. (in press) & Word association as a function of sexual arousal, guilt and expectancies for censure, J. Personality & Soc. Psychol. (in press); auth, The influence of Adler on Rotter's social learning theory, J. Individual Psychol. (in press). Address: Dept. of Psychology, University of Connecticut, Storrs, Conn. 06268.

MOSHER, PROF. FREDERICK C(AMP), b. Oberlin, Ohio, July 5, 13; m. 40; c. 3. POLITICAL SCIENCE. B.A., Dartmouth Col, 34; M.S. Syracuse, 39; Ford Found. faculty fel. 51-52; D.P.A., Harvard, 53. Res. assoc. Tenn. Valley Authority, 34-36; personnel technician, Los Angeles Civil Serv. Dept., Calif, 39-41; admin. analyst, U.S. Army Air Force Hqs, 41-42; asst. dir. personnel, UN Relief & Rehab. Admin. 45-46; asst. dir. for. serv. planning, U.S. Dept. State, 47-49; from assoc. prof. to prof. POLIT. SCI., Syracuse, 49-58; PROF. CALIFORNIA, BERKELEY, 58-, prof. & rep. sch. admin. scis., California to Bologna, Italy, 57-59. Staff dir. cmt. on for. affairs personnel, 61-63. Consult, U.S. Dept. State, 50-67; consult. to Dir. Budget, P.R., 52; Gov. N.Y. State, 54-56. Ed-in-chief, Pub. Admin. Rev, 53-56; Univ. California rep, Coun. Grad. Ed. Pub. Admin., 59-; trustee, Inter-Univ. Case

Prog, 53-; Nat. Inst. Pub. Affairs, 62- U.S.A.A.F., 42-45, Maj. Polit. Sci. Asn; Soc. Pub. Admin; Pub. Personnel Asn; Nat. Acad. Pub. Admin. Public administration; American national government; comparative administration; public policy and the economy. Publ: Co-auth, The costs of American governments: facts, trends, myths, Dodd, 64; auth. & ed, Governmental reorganizations: a case-book, Bobbs, 67; auth, Democracy and the public service, Oxford, 68. Address: Dept. of Political Science, University of California, Berkeley, Calif. 94720.

MOSHER, PROF. M(ARTIN) L(UTHER), b. West Liberty, Iowa, Apr. 12, 82; m. 08; c. 5. AGRICULTURAL ECONOMICS. B.S.A., Iowa State, 05, M.Agr., 15. Exten. specialist, farm crops, Iowa State, 06-08, 09-12; agr. agent, Clinton County, Iowa, 12-16; Woodford County, Ill, 16-22; from asst. prof. to prof. & chief FARM MGT. EXTEN., ILLINOIS, 23-50, EMER. PROF., 50- U.S. Dept. Agr. award, 49. Int. Asn. Agr. Econ; Am. Agr. Econ. Asn. Farm management and organization; seed corn development and selection. Publ: Early Iowa Corn yield tests and related later programs, Iowa State Univ, 62; A vision of future farm life in the cornbelt, Prairie Farmer, 3/68. Address: Mayflower Home, Grinnell, Iowa 50112.

MOSHMAN, DR. JACK, Math. Statist, see 11th ed, Phys. & Biol. Vols.

MOSKOW, DR. MICHAEL H., b. Paterson, N.J., Jan. 7, 38; m. 66; c. 1. ECONOMICS. A.B., Lafayette Col, 59; M.A., Pennsylvania, 62, Ph.D. (econ), 65. Instr. econ, Drexel Inst, 63-64, asst. prof. mgt, 65-67; instr. econ, Lafayette Col, 64-65; RES. ASSOC. PROF. ECON. & ED. & ROCKEFELLER BROTHER FUND RES. GRANT, TEMPLE, 67- U.S.A., 59-60. Econ. Asn; Indust. Rels. Res. Asn. Labor economics; economics of education; labor relations in education; labor relations in the performing arts. Publ: Teachers and unions, Univ. Pennsylvania, 66; co-auth, Collective negotiations for teachers, 66 & Readings on collective negotiations in public education, 67, Rand McNally. Address: Temple University School of Business Administration, Philadelphia, Pa. 19122.

MOSKOWITZ, DR. MERLE J(ACK), b. McKeesport, Pa, May 30, 28. PSYCHOLOGY. B.S., Pittsburgh, 50, M.S., 52; fel. Harvard, 54-55, Ph.D., 56. Lectr. econ. & soc. sci., Mass. Inst. Tech. 55; instr. PSYCHOL., Bowdoin Col, 55-57, asst. prof. 57-60; from asst. prof. to ASSOC. PROF., PITTSBURGH, 60- Psychol. Asn. Motivation; learning; perception. Address: Dept. of Psychology, University of Pittsburgh, Pittsburgh, Pa. 15213.

MOSLEY, PROF. DONALD CRUMPTON, b. Starkville, Miss, Apr. 17, 32; m. 61; c. 1. MANAGEMENT. B.S., Miss. State, 54; M.S. Tennessee, 58; Ph.D. (indust. rels, econ), Alabama, 65. Mgt. trainee, Pick Hotel Corp, 57-58; field rep, Charles E. Merrill Pub. Co, 59-60; assoc. prof. MGT, MISS. STATE, 63-65, PROF. & HEAD DEPT., 65- Mgt. consult, indust. & govt. agencies, 65- U.S.A., 54-56, 1st Lt. Acad. Mgt; Int. Rels. Res. Asn; Soc. Training & Develop. Management development; organization change; industrial relations; anti-poverty program evaluation. Publ: Co-auth, An analysis of a community action anti-poverty program in the Mississippi Delta, Col. Bus. Miss. State Univ. Monogr, 67. Address: Box MG, Mississippi State University, State College, Miss. 39762.

MOSLEY, PROF. ELLIS G(REENLEE), b. Mayflower, Ark, Jan. 30, 01; m. 26; c. 2. SOCIAL SCIENCE. A.B., Hendrix Col, 23; Austin Presby. Theol. Sem, 26; A.M., Texas, 49; D.D., Ark. Col. 56. Prof. soc. sci., ARK. COL., 48-54, RELIG., 54-63, ASSOC. PROF. RELIG. & SOC. STUDIES, 63-, acting pres. col, 52, chmn. div. soc. studies & relig., 61-63. Acad. Polit. & Soc. Sci; Hist. Asn. History of higher education of Negroes in Arkansas. Address: Dept. of Social Sciences, Arkansas College, Batesville, Ark. 72501.

MOSS, DR. C(LAUDE) SCOTT, b. Newark, N.J., May 17, 24. PSYCHOLOGY. B.S., Wisconsin, 48; M.S., Illinois, 50, Ph.D., 53. Clin. psychologist, Jefferson Barracks, Vet. Admin. Hosp, 53-56; chief psychologist, State Hosp., Fulton, Mo, 56-60; vis. prof. psychol., Kansas, 60-61; ment. health consult, Nat. Inst. Ment. Health, Fed. Off. Bldg., San Francisco, 61-65, dep. to assoc. dir., 65-67; PROF. PSYCHOL., ILLINOIS, CHAMPAIGN, 67- Instr. Washington (St. Louis), 53-56; assoc. prof., Missouri, 56-60. Dipl. Am. Bd. Exam. Prflnl. Psychol; Am. Bd. Exam. Psychol. Hypnosis. U.S.A.A.F., 42-46. Fel. Psychol. Asn; Soc. Clin. & Exp. Hypnosis; Pub. Health Asn; fel. Int. Coun. Psychol. Community mental health; teaching; communication theory and psychotherapy. Publ: Hypnosis in perspective, Macmillan, 65; Hypnotic investigation of dreams, Wiley, 67; Brief crisis-oriented psychotherapy, In: Handbook of clinical & experimental hypnosis, Macmillan, 67. Address: Children's Research Bldg., University of Illinois, Champaign, Ill. 61820.

MOSS, DR. HOWARD ALAN, b. Cleveland, Ohio, Apr. 2, 29; m. 56; c. 3. PSYCHOLOGY. B.A., Miami, 51; U.S. Pub. Health Serv. fel., Ohio State, 54-55, M.A., 55, Ph.D. (clin. psychol), 58. Res. asst. psychol., Ohio State, 54-55; intern clin. psychol., Colo. Gen. Hosp, 55-56; asst. instr. psychol., Ohio State, 56-57; res. assoc. & asst. prof., Fels. Res. Inst, 57-61; res. assoc., CHILD RES. BR., NAT. INSTS. HEALTH, 61-62, CHIEF, SECT. PARENT-INFANT BEHAV, 63- Hofheimer award, 63. U.S.A., 51-53. Soc. Res. Child Develop; Psychol. Asn. Longitudinal research; personality development; studies of mother-infant relations. Publ: Birth to maturity: a study in psychological development, Wiley; Sex, age, and state as determinants of mother-infant interaction, Merrill-Palmer Quart; Maternal influence in early social-visual behavior, Child Develop. Address: Child Research Branch, Bldg. 15K, National Institute of Mental Health, Bethesda, Md. 20014.

MOSS, PROF. JAMES, Sociol, Anthropol, see 10th ed, Soc. & Behav. Vols.

MOSS, DR. JAMES W(ILLIAM), b. Wilmar, Calif, Aug. 13, 26; m. 49; c. 2. PSYCHOLOGY. A.B., San Jose State Col, 52, M.A., 53; Nat. Inst. Ment. Health fel. & Ph.D., George Peabody Col, 58. U.S. Pub. Health Serv. res. fel. 58-59; res. assoc. psychol., San Francisco State Col, 59-60; Illinois, Urbana, 60-64; dir. res. & demonstration br., div. handicapped child & youth, U.S. OFF. ED, 64-67, DIR. DIV. RES. BUR. ED. FOR HANDICAPPED, 67- Psychol. Asn; fel. Asn. Ment. Deficiency. Personality variables in mental retardation; educability and modification of intelligence. Publ: Co-auth, Electrodermal response audiometry with mentally defective children, J.

Speech & Hearing Res. Address: Division of Research, Bureau of Education for the Handicapped, U.S. Office of Education, Seventh & D Sts. S.W., Washington, D.C. 20202.

MOSS, DR. J(ONN) JOEL, b. Rigby, Idaho, Aug. 17, 22; m. 48; c. 4. **FAMILY RELATIONS**. B.S., Brigham Young, 48, M.S., 49; Ph.D.(sociol.), North Carolina, 54. Assoc. prof. home econ., West Virginia, 53-56; assoc. prof. home econ. & chmn. div. child develop. & family rels., Nebraska, 56-59; res. prof. home & family, Southern Illinois, 59-61; **PROF. CHILD DEVELOP. & FAMILY RELS.**, BRIGHAM YOUNG, 61- Summer faculty fel, inst. soc. geront, 61. Ed. consult, Proj. Head Start, 64- Secy, Nat. Coun. Family Rel., 64-65. U.S.A., 44-46, M/Sgt. Sociol. Asn; Geront. Soc; Soc. Res. Child Develop; Rural Sociol. Soc; Home Econ. Asn. Family life education; social psychology; aging and the family; interrelationships of family and community. Publ: Relationship of personality to the incidence of early marriage, Marriage & Family Living; Newcomer family, acceptance-rejection of the community and the process of assimilation, Rural Sociol; co-auth, Eddyville's families, a study of personal and family adjustments subsequent to the rapid urbanization of a southern town. Address: Dept. of Child Development & Family Relationships, Brigham Young University, Provo, Utah 84601.

MOSS, DR. LEONARD W(ALLACE), b. Detroit, Mich, Sept. 7, 23; m. 45; c. 1. **SOCIOLOGY, ANTHROPOLOGY**. B.S. Wayne, 46, M.A., 50; Ph.D.(sociol.), Michigan, 54. Instr. to assoc. prof. **SOCIOLOGICAL & ANTHROPOLOGICAL**, WAYNE STATE, 52-61, **PROF. & CHMN. DEPT.**, 62-, dir. soc. sci. prog., 67-68, grantee to Int. Cong. Jewish Folklore Res, Israel, 59. Fulbright res. scholar, Rome & Naples, Italy, 55-56; Am. Coun. Learned Soc. grantee, Int. Cong. Sociol., Italy, 59; Fulbright sr. lectr., Rome, 61-62; guest lectr., Univ. Pro Deo, Rome; Wenner-Gren grants, founding Italian Center Cultural Anthropol., Univ. Rome, 62, second convention, 63; World Cong. Anthropol. Sci., Moscow, 64; Fulbright-Hayes res. scholar award, Univ. Rome, 68-69. Consult, faculty agr. econ., Univ. Naples & Sch. Italian Soc. Serv., 56. Distinguished faculty adv. award, Omicron Delta Kappa, 60; Knight, Order of Merit, Republic of Italy, 65. U.S.A., 43-45. Fel. AAAS; fel. Sociol. Asn; fel. Anthropol. Asn; Soc. Study Social Probs; Ethnol. Soc; Asn. Phys. Anthropol.; Italian Soc. Sociol. Anthropology; social organization theory; culture change; peasant culture; social stratification. Publ: Co-auth, The South Italian family: literature and observation, Human Orgn., summer 59; Estate and class in a South Italian hill village, Am. Anthropol., 4/62; The Black Madonna: an example of culture borrowing, In: Sociology and history: theory and research, Glencoe, 64. Address: Dept. of Sociology & Anthropology, Wayne State University, Detroit, Mich. 48202.

MOSS, DR. MILTON, b. New York, N.Y., Feb. 3, 15; m. 41; c. 2. **ECONOMICS, SOCIOLOGY**. B.S.S., City Col. New York, 35; M.A., Columbia, 37, Ph.D.(sociol.), 62. Economist, bd. gov. Fed. Reserve Syst., 54-62; ASST. DIR. NAT. ECON. ACCT. OFF. STATIST. STANDARDS, BUR. BUDGET, 62- Prof. lectr., American Univ., 58-64; Fed. Reserve Bd. res. fel., Columbia, 60-61; Fed. Exec. fel., Brookings Inst., 67-68. Mem. exec. cmt. Conf. Res. Income & Wealth, 65- U.S.A., 43-45. Statist. Asn. Publ: A study of instalment credit terms, Fed. Reserve Bull., 12/49; Major aspects of capital, Proc. Am. Statist. Asn., 64; Needs for flexibility and consistency in measurement of real output, Res. Income & Wealth, 3/68. Address: Office of Statistical Standards, Bureau of the Budget, Washington, D.C. 20503.

MOSS, DR. SAMUEL, b. Los Angeles, Calif., Nov. 24, 16. **PSYCHOLOGY**. Ph.D.(psychol.), California, Los Angeles, 60. Lectr. **PSYCHOL.**, overseas exten., Maryland, 60-65; ASST. PROF., SAN FERNANDO VALLEY STATE COL., 65- U.S.A., 42-45. Verbal learning. Address: Dept. of Psychology, San Fernando Valley State College, 18111 Nordhoff St., Northridge, Calif. 91324.

MOSS, DR. STANLEY MARVIN, b. Cleveland, Ohio, Sept. 24, 30; m. 60; c. 2. **PSYCHOLOGY**. B.Sc., Ohio State, 57, M.A., 58, Ph.D.(psychol.), 62. Res. psychologist, behav. res. labs, Wright-Patterson Air Force Base, summer, 59; res. assoc. **PSYCHOL.**, ment. health res. inst., Michigan, 62-63, Nat. Inst. Ment. Health fel, inst. & lectr., Univ., 63-64; ASST. PROF., MASSACHUSETTS, AMHERST, 64- Nat. Inst. Ment. Health res. grant, 65-66. U.S.A.F., 52-55, Res., 55-57. Psychol. Asn; Psychonomic Soc. Role of memory and attention in the development of sequential behavior. Publ: Tracking with a differential brightness display: I acquisition and transfer, J. Appl. Psychol., 4/64; Simple reaction time and response sets, Human Factors, 6/66; co-auth, Alternation and repetition reaction times under three schedules of event sequencing, Psychonomic Sci., 11/67. Address: Dept. of Psychology, University of Massachusetts, Amherst, Mass. 01002.

MOSS, PROF. W(ILLIAM) WARNER, b. Feb. 22, 02; m. 31; c. 3. **POLITICAL SCIENCE**. A.B., Richmond, 25; A.M., Columbia, 25, Ph.D., 33. Instr., Columbia, 26; Williams Col., 26-28; from instr. to asst. prof., N.Y. Univ., 28-37; **PROF. GOVT. COL. WILLIAM & MARY**, 37-, **DIR. MARSHALL-WYTHE INST. RES. SOC. SCI.**, 66-, head dept. govt., 37-66, chmn. div. soc. sci., 47-50, 57-59, dir. center overseas students, 52-55. Vis. asst. prof., Virginia, 35-36; personnel officer, Off. Price Admin., 42; polit. analyst, res. & anal. br., Off. Strategic Serv., 44-45; Fulbright hon. res. fel., Manchester, 50-51. Polit. Sci. Asn. Political theory and behavior; politics in Britain, Ireland and Virginia. Publ: Political parties in the Irish Free State, Columbia, 33. Address: 704 Powell St., Williamsburg, Va. 23185.

MOSSMAN, PROF. FRANK H(OMER), b. Winfield, Kans., Mar. 18, 15; m. 39; c. 2. **TRANSPORTATION ECONOMICS, MARKETING**. A.B., Southwest Col., 36; M.B.A., Northwestern, 38, Ph.D., 51. With Oklahoma City Univ., 38-40; Albion Col., 41-42; mgr. traffic anal., Capital Airlines, 45-47; with Western Reserve, 47-51; **PROF. MKT. & TRANSPORTATION**, MICH. STATE, 51- U.S.N., 42-45. Econ. Asn; Soc. Traffic & Transportation; Transportation Res. Forum. Logistics of distribution systems, especially costs and ability to create and adapt to change. Publ: Principles of transportation; Physical distribution management; co-auth, Logistics of distribution systems, Allyn & Bacon, 65. Address: 310 Eppley Center, Michigan State University, East Lansing, Mich. 48823.

MOSSMAN, PROF. MEREB E., b. Winfield, Kans., Dec. 1, 05. **SOCIOLOGY**. A.B., Morningside Col., 26; A.M., Chicago, 26, 35-36; L.H.D., Queens Col.

(N.C.), 60. Head dept. **SOCIOLOGICAL**, Ginling Col., China, 30-35, 36-37; **PROF.**, NORTH CAROLINA, GREENSBORO, 37-, **DEAN FACULTY**, 63-, dean instr., 51-58, dean col., 58-63. Consult, Am. Asn. Schs. Soc. Work, 47. Mem. bd. dirs., Coun. Soc. Work Ed., 59-63, 65-, second v-pres., 65-, secy., 60-62, mem. exec. coun. & house of del., 65-. O. Max Gardner award, North Carolina, 56; Greensboro, N.C. Woman of the Year, 54. Sociol. Asn. Publ: Patterns of pre-professional education for social work; Qualifications for teaching undergraduate education for social work. Address: University of North Carolina, Greensboro, N.C. 27412.

MOSTELLER, DR. (CHARLES) FREDERICK, b. Clarksburg, W.Va., Dec. 24, 16; m. 41; c. 2. **STATISTICS**. B.S., Carnegie Inst. Tech., 38, M.S., 39; M.A., Princeton, 42, Ph.D.(math. statist.), 46. Asst. math., Carnegie Inst. Tech., 38-39; instr., Princeton, 42-44, res. mathematician, appl. math. panel, 44-46; lectr., dept. soc. rels. & res. assoc., lab., HARVARD, 48-48, assoc. prof. **MATH. STATIST.**, 48-51, **PROF.**, 51-, **CHMN. DEPT. STATIST.**, 57- Res. assoc., off. pub. opinion res., U.S. Dept. War., 42-44; fel., Fund Adv. Ed., 54-55; nat. teacher, continental classroom, Nat. Broadcasting Co., 61; fel., Center Adv. Study Behav. Sci., 62-63. Fel. AAAS; fel. Sociol. Asn; fel. Philos. Soc; fel. Soc. Qual. Control; Sociol. Res. Asn; fel. Am. Statist. Asn. (pres, 67); Am. Anthropol. Asn; Am. Math. Soc; Math. Asn. Am.; fel. Am. Acad. Arts & Sci.; Psychomet. Soc. (pres, 57-58); Fel. Inst. Math. Statist.; Biomet. Soc; Int. Statist. Inst.; Royal Statist. Soc. Application of mathematical statistics to social science and medical problems. Publ: Co-auth, Stochastic models for learning, Wiley, 55; Inference and disputed authorship: the Federalist, Addison-Wesley, 64. Address: Room 311, Dept. of Statistics, Harvard University, 2 Divinity Ave., Cambridge, Mass. 02138.

MOSTOFI, DR. KHOSROW, b. Tehran, Iran, July 8, 21; m. 60. **POLITICAL SCIENCE**. B.A., Tehran, 44; fel., Utah, 56-57, M.A., 57, Ph.D., 58, cert. pub. admin., 65. Instr. lang., Ministry Ed., Iran, 44-49; res. asst., inst. govt., Utah, 57-58; instr. polit. sci., Portland State Col., 58-59, ASST. PROF., 59-60; **POLIT. SCI. & LANG. UTAH**, 60, **ACTING DIR. INST. INT. STUDIES**, 61-, **DIR. MIDDLE EAST CENTER**, 67-, acting dir., 64, 65 & 66-67, acting chmn. dept. polit. sci., Univ., summer, 67, lectr., 57-58. Vis. prof., British Columbia, 62; coordinator of area studies, Peace Corps Training Proj. for Iran, Utah State, summer, 64; Portland State Col., 64; Fulbright-Hays fel., Turkey & Iran, 65-66. Social and political change in underdeveloped countries; modern nationalism in Asia and Africa; linguistics; international politics. Publ: Aspects of nationalism: a sociology of colonial revolt; co-auth, Parsee Nameh, Vol. I, Univ. Utah, 3rd ed, 66; Suez dispute: a case study of a treaty. Address: Middle East Center, University of Utah, Salt Lake City, Utah 84112.

MOSTOFISKY, PROF. DAVID I(SAAC), b. Boston, Mass., Sept. 19, 31. **EXPERIMENTAL PSYCHOLOGY**. B.A., Yeshiva, 53; A.M., Boston, 57, Ph.D., 60. Instr. **PSYCHOL.**, BOSTON, 59-61, asst. prof., 61-65, **ASSOC. PROF.**, 65- Bd. mem., Ed. Res. Corp., 66- Psychol. Asn; Statist. Asn. Learning theory in humans and animals, especially discrimination, generalization and judgmental phenomena; computer applications to psychological data processing. Publ: Stimulus generalization, Stanford Univ. Press, 65; Attention: contemporary theory and analysis, Appleton, 68; Theory and practice in analysis of variance, Allyn & Bacon, 68. Address: 48 Marshal St., Brookline, Mass. 02146.

MOTE, PROF. FREDERICK ALBERT, b. Memphis, Tenn., Aug. 12, 07; m. 39; c. 1. **PSYCHOLOGY**. A.B., Southern Methodist, 34, A.M., 35, hon. D.Sc., 66; Clark, 35-36; Ph.D.(psychol.), Brown, 39. Instr. psychol., Brown, 39-40; Connecticut, 40-42; sr. psychophysicist, Nat. Defense Res. Cmt. Proj., Brown, 42-45; asst. prof. **PSYCHOL.**, Connecticut, 45-46; **WISCONSIN**, 46-47, assoc. prof., 47-52, **PROF.**, 52-, dept. chmn., 55-59. AAAS; fel. Psychol. Asn; Optical Soc. Experimental psychology of vision. Publ: Variability of measurements of human dark adaptation, J. Optical Soc. Am; co-auth, Effect of varying the intensity and the duration of pre-exposure upon foveal dark adaptation in the human eye, J. Gen. Physiol.; Visual sensitivity. In: Vol. 18, Annual Review Psychology. Address: Dept. of Psychology, University of Wisconsin, Madison, Wis. 53706.

MOTES, DR. WILLIAM C(ALVIN), b. Scottsville, Kans., May 20, 32; m. 59; c. 2. **ECONOMICS, STATISTICS**. B.S., Kansas State, 54, M.S., 58; Ph.D., Iowa State, 60. Agr. economist, Econ. Res. Serv., U.S. DEPT. AGR., 60-65, **SR. ANALYST, PROG. EVAL. & PLANNING STAFF**, 65- U.S.A., 54, Res., 54-, 1st Lt. Agr. Econ. Asn; Econ. Asn. Economics of location of processing and other marketing facilities in livestock industry. Address: Office of the Secretary, Program Evaluation & Planning Staff, U.S. Dept. of Agriculture, Washington, D.C. 20250.

MOTHERAL, DR. JOE R(ANKIN), b. Lockhart, Tex., July 22, 14; m. 34; c. 1. **AGRICULTURAL ECONOMICS**. B.S., Agr. & Mech. Col., Tex., 39, M.S., 41; Gen. Ed. Bd. fel., 48-49; Ph.D., Wisconsin, 51. Assoc. prof., Agr. & Mech. Col., Tex., 41-52; head farm labor resources & utilization, agr. res. serv., U.S. Dept. Agr., 52-57; with Harvard Pakistan Proj., Pakistan, 57-60; agr. economist, Int. Bank Reconstruct. & Develop., 60-62; food-agr. officer, **AGENCY INT. DEVELOP.**, Seoul, 62-68, **CHIEF AGR. DIV. KABUL, AFGHANISTAN**, 68- U.S. observer, Land Probs. Center, Southeast Asia, 54; land tenure adv. to Philippines, Int. Coop. Admin., 54-55, consult., Iran, 57. Order of Indust. Merit serv. award, Repub. Korea Govt., 68. U.S.N., 43-46. Econ. Asn; Agr. Econ. Asn; Rural Sociol. Soc; Pop. Asn. Am. Land tenure; farm labor; population. Publ: Family farm and the three traditions, J. Farm Econ.; Employment redistribution of Korean veterans; Comparative notes on East Asian land tenure systems. Address: U.S. Agency for International Development, American Embassy, Kabul, Afghanistan.

MOTT, DR. CHARLES F(RANCIS), b. Urbana, Ohio, Dec. 30, 38; m. 63; c. 1. **ECONOMIC STATISTICS**. B.S., Dayton, 61; M.A., Indiana, 63, Ph.D.(econ), 66. ASST. PROF. BUS. & ECON. STATIST., BOWLING GREEN STATE, 66- Econ. Asn; Statist. Asn; Economet. Soc; Nat. Tax Asn. Tax and expenditure problems of local governments. Publ: Co-auth, Financing local government in Indiana, Cmt. State Tax & Financing Policy, Ind., 10/66. Address: Dept. of Quantitative Analysis & Control, Bowling Green State University, Bowling Green, Ohio 43402.

MOTT, DR. FREDERICK DODGE, Prev. Med., see 11th ed, Phys. & Biol. Vols.

- MOTT, DR. GEORGE FOX, b. Riverside, Calif, June 4, 07; m. 44; c. 2. POLITICAL SCIENCE. A.B. Stanford, 29, A.M. 31; Ph.D.(polit. sci. & higher ed. admin), Minnesota, 38. Prof. polit. sci. & dean, San Diego Army & Navy Jr. Col, 29-33; Emerson Jr. Col, 33-35; mgr, Chicago off, Hancher Orgn, 35-36; asst. prin. & suprvy. teacher soc. studies, univ. high sch, Minnesota, 36-38; dir. publicity & dean students, N.Mex. Agr. & Mech. Col, 38-39; chief econ. analyst, adv. coun, War Assets Admin, 46-48; MANAGING PARTNER, MOTT OF WASH. & ASSOCS, 48- Vis. prof, De Paul, 34; Maryland, 48; Fla. State, 49; adj. prof, American Univ, 64- U.S.A., 40-46, Col. Polit. Sci. Asn; Soc. Pub. Admin; Acad. Polit. & Soc. Sci. Government and business policies; management engineering; transportation; port development; international economic analysis; Korean affairs; university administration, housing and curriculum development. Publ: New survey of journalism; Survey of United States ports; Transportation century, La. State Univ. Press, 67. Address: Dupont Circle Bldg, Washington, D.C. 20036.
- MOTT, PROF. RODNEY L, b. Pullman, Wash, Nov. 2, 96; m; c. 1. POLITICAL SCIENCE. A.B. Stanford, 17; A.M. Wisconsin, 18, Ph.D. 22. Instr, Minnesota, 22-23; instr. & asst. prof, Chicago, 23-33; prof. polit. sci, COLGATE, 34-59, dir, div. soc. sci, 34-62, Charles Evans Hughes prof. govt. & jurispr, 59-65, EMER. PROF. POLIT. SCI, 65-; PROF. MILES COL, 66- Soc. Sci. Res. Coun. fel, 29-30; adv, German Local Finance, U.S. High Cmnr. for Germany, 50; Fulbright res. scholar, Australia, 53-54; dir, Am. Studies Seminar, Kyoto, Japan, 54-55. Res. consult. & ed, Am. Legis. Asn, 30-34; consult, Am. Munic. Asn, 48-50. Acting chief pub. finance br, Off. Mil. Govt, Germany, 46. U.S.A., 43-46, Lt. Col. Polit. Sci. Asn; Judicature Soc. Judicial administration; German public finance; local self government. Publ: Due process of law; Constitutions of the states and the United States; Home rule for America's cities. Address: Miles College, Birmingham, Ala. 35208.
- MOTT, PROF. VINCENT V(ALMON), b. Washington, La, Sept. 18, 16; m. 48; c. 3. INDUSTRIAL RELATIONS. A.B. Xavier, 38; A.M. Fordham, 47, Ph.D. (indust. sociol), 56. Instr. soc. sci, Scranton, 47-49, asst. prof, 49-51; lectr. econ, SETON HALL, 51-52, asst. prof, 52-58, assoc. prof. MKT, 58-66, PROF, 66- Pres, Florham Park Press, Inc, 58- U.S.A., 40-45. Mkt. Asn. Prerogatives of management; labor and management relations. Publ: Principles of economics I; contrib. ed, New Jersey business magazine, 56; auth, The American matriarchy, LePlay Monogr, 68. Address: 12 Leslie Ave, Florham Park, N.J. 07932.
- MOTTER, DR. DAVID C(ALVIN), b. New London, Ohio, Feb. 10, 26; m. 50; c. 1. ECONOMICS. B.A. Baldwin-Wallace Col, 50; fel, Brookings Inst, 56-57; Ph.D.(econ), Vanderbilt, 58. Security analyst, Boyd & Co, 50; asst, dept. econ, Vanderbilt, 50-53, res. assoc, 53-54; instr, Franklin & Marshall Col, 54-56; asst. prof. econ, Pennsylvania, 57-63; sr. economist, comptroller of currency, U.S. DEPT. TREAS, 63-66, DEP. COMPTROLLER OF CURRENCY, 66- U.S.N., 44-46. Econ. Asn; Finance Asn. Industrial organization and public policy; economic history and development; price theory. Publ: Bank mergers and public policy, 9/63, co-auth, Bank entry and the public interest, 6/64 & auth, Bank formation and the public interest, 3/65, Nat. Banking Rev. Address: Room 3124, Main Treasury Bldg, Washington, D.C. 20220.
- MOTTS, DR. GEORGE N(EWTON), b. Pittsburgh, Pa, Jan. 25, 05. AGRICULTURAL ECONOMICS. B.S.A. Ohio State, 27; M.S.A. Florida, 29; Ph.D. Mich. State Col, 31. Instr. econ, Mich. State, 31-40, asst. prof, 40-61, mkt. special agr. econ, 48-61; RETIRED. Vis. prof, Florida, 64. U.S.A., 43-45, Capt. Agr. Econ. Asn. Fruit and vegetable marketing. Address: 182 Spartan Ave, East Lansing, Mich. 48823.
- MOTZ, PROF. ANNABELLE B(ENDER), b. Milwaukee, Wis, June 13, 20; m. 45; c. 2. SOCIOLOGY. B.S. Wisconsin, 41; univ. scholar. & M.A. Chicago, 43, Colver-Rosenberger fel. & Ph.D.(sociol), 50. Instr, Wilson Jr. Col, 43; Winthrop Col, 43-44; Indiana, 45-49; from instr. to asst. prof. SOCIOLOGY, Maryland, 51-66; assoc. prof, AMERICAN UNIV, 66-68, PROF, 68- U.S. Pub. Health Serv. Div. Dent. Pub. grant, 64-65, div. dent. health res. contract, 67-68. Consult, U.S. Dept. Labor, 66-67. Fel. Sociol. Asn. Social psychology; social organization; family. Publ: Co-auth, The presidency in three learned societies, Sociol. & Soc. Res, 4/62 & American sociological regional societies, Sociol. Inquiry, spring 65; auth, The family as a company of players, Transaction, 3/65. Address: 11306 Cushman Rd, Rockville, Md. 20852.
- MOULTON, PROF. BENJAMIN, Geog, Geol, see 11th ed, Phys. & Biol. Vols.
- MOULTON, ELMA S, Econ, see 10th ed, Soc. & Behav. Vols.
- MOULTON, DR. HAROLD G, Econ, see 9th ed, Soc. & Behav. Vols, deceased 65.
- MOULY, PROF. GEORGE J(OSEPH), b. Sask, Sept. 16, 15; m. 40; c. 3. PSYCHOLOGY. B.A. Saskatchewan, 45, B.Ed. 46, M.Ed. 47; Ph.D.(ed. psychol), Minnesota, 49. Res. asst, Minnesota, 47-49; assoc. prof. ed. & dir. testing bur, Miami (Fla), 49-52; assoc. prof. ED, Marquette, 52-56; PROF, MIAMI (FLA), 56-, DIR. RES. TRAINING PROG, 66-, CHMN. DEPT. ED. PSYCHOL, 68- Can. Army, 42-44, Lt. Psychol. Asn; Statist. Asn. Statistical analysis of educational and psychological data. Publ: Test items in education; The science of educational research, Am. Book Co, 63; Revision of psychology for effective teaching, Holt, 68. Address: School of Education, University of Miami, Coral Gables, Fla. 33124.
- MOUNTFORD, DR. DAMON WILLIAM, b. Coffeyville, Kans, Oct. 20, 38; m. 61. PHYSIOLOGICAL PSYCHOLOGY. A.B. Kansas, 61; M.A. Iowa, 64, Ph.D.(psychol), 67; Chicago, 64. ASST. PROF. PSYCHOL, KANSAS, 66- AAAS. Neuropharmacological analysis of central nervous system correlates of motivation. Publ: Co-auth, Judgment of slant in response to an isolated gradient of stimulation, Perceptual & Motor Skills, 6/63. Address: Dept. of Psychology, University of Kansas, Lawrence, Kans. 66044.
- MOUNTJOY, PROF. PAUL T(OMB), b. Des Moines, Iowa, Oct. 25, 24; m. 48; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S. Lawrence Col, 49; M.A. Indiana, 53, Ph.D. 57. Instr. PSYCHOL, Randolph-Macon Woman's Col, 54-55; asst. prof, Sweet Briar Col, 55-56; instr, Denison, 56-57, asst. prof, 57-62, assoc. prof, 62-64, chmn. dept, 61-62; assoc. prof, WESTERN MICHIGAN, 64-67, PROF, 67-, acting chmn. dept, 67-68. Nat. Inst. Ment. Health res. grants, 58-64 & 65-66. U.S.A.A.F, 42-45. Psychol. Asn.(managing ed, Psychol. Record, 58-). Perception; learning theory; history of psychology. Publ: Effects of exposure time and intertrial interval upon decrement to the Mueller-Lyer illusion, J. Exp. Psychol; Fixation and decrement to the Mueller-Lyer figure, Psychol. Record; Intrasession decrement and intersession recovery to the Mueller-Lyer figure, Perceptual & Motor Skills. Address: Dept. of Psychology, Western Michigan University, Kalamazoo, Mich. 49001.
- MOURATIDES, PROF. NICOS N, b. Athens, Greece, Feb. 22, 22; nat; c. 4. SOCIOLOGY. B.A. Cornell, 49; M.A. Minnesota, 51, Ph.D. 63. Instr. sociol, Minnesota, 51-53, soc. sci, 53-55; sociol. & soc. sci, Lake Forest Col, 55-59; asst. prof. SOCIOL, SAN DIEGO STATE COL, 60-64, ASSOC. PROF, 64- Res. sociologist, Vet. Admin. Neuropsychiat. Hosp, Downey, Ill, 55-60, U.S. Pub. Health Serv. fel, 59-60; spec. consult, Calif. State Dept. Ment. Hyg, 65-, cmnr. psychiat. technician training cmt, 66- Sociol. Asn. Sociology of medicine, especially social organization of mental hospitals and place of professions in them; cross-cultural study of psychotic ex-patients of Athens' public psychiatric hospitals. Publ: Report on psychiatric technician training; Mental health and the community: differential response of California counties. Address: Dept. of Sociology, San Diego State College, San Diego, Calif. 92115.
- MOUSHEGIAN, DR. GEORGE, Physiol Psychol, see 11th ed, Phys. & Biol. Vols.
- MOUTON, DR. JANE SRYGLEY, b. Port Arthur, Tex, Apr. 15, 30; m. 53; c. 2. PSYCHOLOGY. B.S. Texas, 50, univ. fel, 53-55, Ph.D. 57; Lewis scholar, Fla. State, 50-51, M.S. 51. Asst. Fla. State, 50-51; teacher, pub. schs, Tex, 51-53; res. scientist, psychol. res. found, Texas, Austin, 53-57, instr. soc. sci, 57-58, asst. prof. psychol, 58-64; V.PRES. MGT. TRAINING, SCI. METHODS, INC, 64- Consult, Internal Revenue Serv, Vet. Admin. Hosps, Humble Oil Co. & Socony Mobil Oil Co, 58-62. Psychol. Asn; Inter-Am. Soc. Psychol; Psychomet. Soc; Soc. Group Psychother. & Psychodrama. Small group and intergroup dynamics; behavioral science approach to management; human relations laboratory training. Publ: Co-auth, The managerial grid, 64, Corporate Darwinism, 66 & Corporate excellence through grid organization development: a systems approach, 68, Gulf Pub. Co. Address: P.O. Box 195, Austin, Tex. 78767.
- MOUZON, PROF. OLIN T, b. San Antonio, Tex, June 6, 12; m. 39. ECONOMICS. B.S. Southern Methodist, 33; Ph.D.(econ), North Carolina, 40. Instr. ECON, NORTH CAROLINA, 39-41, asst. prof, 41-45, assoc. prof, 45-50, PROF, 50- Economist, U.S. War Dept, 42-45; staff mem, trade policy study, Exec. Off. Pres, 52-53. Econ. consult, 46- U.S. Dept. War except. civilian serv, 46. Econ. Asn. Resources and industries and national policy. Publ: Collab, Trade and tariff policy in the national interest, Govt. Printing Off, 53; auth, International resources and national policy, Harper, 59; Resources and industries of the United States, Appleton, 66. Address: 903 Greenwood Dr, Chapel Hill, N.C. 27514.
- MOVIVS, PROF. HALLAM L(EONARD), JR, b. Newtown, Mass, Nov. 28, 07; m. 36; c. 2. ARCHAEOLOGY. A.B. Harvard, 30, M.A. 32, Ph.D. 37; hon. Dr, Bordeaux, 61. Teaching asst. anthropol, HARVARD, 30-35, res. assoc, Peabody Mus, 36-37, asst. curator Palaeolithic archaeol, 39-42, 46-49, curator & assoc. prof. ANTHROP, UNIV, 50-57, PROF, 57- Field res, various European & Asian countries, especially France, 30-67; Am. Sch. Prehist. Res. summer fel, Cent. Europe, 31. Cor. mem, German Archaeol. Inst; Dept. Archaeol, Govt. India; Nat. Mus. Natural Hist, Paris. Medal, Viking Fund, 49. U.S.A.A.F, 42-46, Lt. Col. Nat. Acad. Sci; fel. Am. Acad. Arts & Sci; fel. Anthropol. Asn; fel. Geol. Soc. Am; cor. mem. Prehist. Soc. Brit; hon. mem. Swiss Soc. Prehist; hon. mem. Paleont. Soc. India; hon. mem. Italian Inst. Prehist. & Protohist. Stone age archaeology of the Old World. Publ: The Irish stone age, Cambridge Univ, 42; The hearths of the upper Perigordian and Aurignacian horizons at the Abri Pataud, Les Eyzies (Dordogne) and their possible significance, Am. Anthropologist, 68: 296-325; L'histoire de la reconnaissance de Burins en Silex et de la Découverte de leur fonction en tant qu'outils pendant le Paléolithique supérieur, Bulletin de la Société Préhistorique Française, 63: 50-65. Address: Dept. of Anthropology, Harvard University, Cambridge, Mass. 02138.
- MOWATT, DR. MARIAN H(UBBELL), b. Verona, N.J., July 23, 13; div; c. 2. PSYCHOLOGY. B.A. Swarthmore Col, 34; M.A. Columbia, 35; Ph.D.(psychol), Bryn Mawr Col, 38. Instr. psychol, Wilson Col, 37-39; sch. psychologist, Pa, 42-43; instr. psychol, Carnegie Inst. Tech, 43-46; lectr. sociol, Springfield Col, 46; psychol. & ed, Swarthmore Col, 47-49; asst. prof. psychol, Wheaton Col, 55-58; STAFF PSYCHOLOGIST, COMMUNITY PSYCHIAT. CLIN, 60- Lectr, Washington (Seattle), spring, 68. Consult, King County Juvenile Court, 65- Psychol. Asn; Group Psychother. Asn; Soc. Psychol. Study Social Issues. Clinical and developmental psychology; psychotherapy. Publ: Configurational properties considered good by naive subjects, In: Readings in perception, Van Nostrand, 58; Emotional problems of handicapped young adults and their mothers, Cerebral Palsy J, 26: 6-8; co-auth, Effect of the presence of an observer and a hidden observer on the defensive patterns of an ongoing group, Int. J. Group Psychother, XVI: 338-343. Address: Community Psychiatric Clinic, 2009 Minor Ave. E, Seattle, Wash. 98102.
- MOWBRAY, DR. G(EORGE) HAMILTON, b. Dec. 24, 21; m. 46; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. & M.A. Hopkins, 50; Ph.D. Cambridge, 53. Asst. psychol, inst. coop. res, HOPKINS, 49-50; SR. STAFF RES. PSYCHOLOGIST, APPL. PHYSICS LAB, 53- U.S.A.A.F, 42-46. AAAS; Soc. Exp. Psychol; Psychonomic Soc; N.Y. Acad. Sci. Sensory psychology, vision and audition; human engineering. Address: Silver Run Valley Rd, Route 1, Westminster, Md. 21157.
- MOWBRAY, DR. J(AY) B(YRON), b. Wilmington, Del, Dec. 23, 17; m. 47; c. 1. PSYCHOLOGY. B.A. West. Md. Col, 39; M.S. Tulane, 49, Ph.D.(psychol),

50. Chief attitude res. br. off. secy. defense, U.S. Dept. Army, 49-50, res. psychologist, gen. staff, D.C., 51-53, sci. & tech. intel. officer, Army Forces Far East, 54-59; assoc. dir. primate res. center, Wisconsin, 60-64; PRAC-TICING PSYCHOLOGIST, 64- U.S.A., 40-59, Lt. Col. Comparative and physiological psychology; research administration. Address: 315 McKee St, Ojai, Calif. 93023.

MOWER, PROF. A(LFRED) GLENN, JR, b. Mechanicsburg, Pa, June 22, 18; m. 39; c. 3. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. A.B., Dickinson Col, 40; B.D., Lutheran Theol. Sem, 43; Bucknell, 44; Columbia, 45; M.A., Hopkins, 51; Ph.D.(polit. sci), Pa. State, 61. Methodist minister, 43-54; instr. POLIT. SCI, Pa. State, 55-56; asst. prof, Ill. Wesleyan, 57-62; assoc. prof, HANOVER COL, 62-64, PROF, 64- Polit. Sci. Assn. United Nations; regionalism. Publ: Sponsorship of proposals in the United Nations General Assembly, West. Polit. Quart; The official pressure group of the council of Europe's consultative assembly, spring 64 & Observer countries: quasi members of the United Nations, spring 66, Int. Orgn. Address: Hanover College, Hanover, Ind. 47243.

MOWITZ, PROF. ROBERT J(AMES), b. Tonawanda, N.Y., Feb. 14, 20; m. 42; c. 2. POLITICAL SCIENCE. A.B., Syracuse, 41, Ph.D.(polit. sci), 48. From instr. to assoc. prof. polit. sci, Wayne State, 48-60, prof, 60-64; vis. prof, PA. STATE, 64-65, PROF POLIT. SCI. & PUB. ADMIN. & DIR. INST. PUB. ADMIN, 65- Consult, Ord. Tank Automotive Command; asst. secy. defense, U.S. Dept. Defense, 61-66; task force proj, Nat. Cmn. Community Health Serv, 64-66; Gov. Little Hoover Cmn. Commonwealth Pa, 68; mem. adv. bd, cmt. improv. mgt. in govt. Cmt. Econ. Develop, 68-71. C.Eng. U.S.A., 42-46. Polit. Sci. Assn; Soc. Pub. Admin. Analysis of governmental administrative systems; urban community decision making; impact of research and development of political change. Publ: Co-auth, Medical public relations & Profile of a metropolis; contrib, Cases in American national government and politics, Prentice-Hall, 66. Address: 1677 Princeton Dr, State College, Pa. 16801.

MOWLANA, DR. HAMID, b. Tabriz, Iran, Feb. 25, 37. COMMUNICATION, POLITICAL SCIENCE. B.A., Northwestern, 59, U.S. State Dept. for. journalist leadership grant, 58-59, M.S., 60, Ph.D.(journalism & polit. sci), 63. Reporter & for. correspondent, Kayhan Newspapers, Teheran, Iran, 55-62, ed-in-chief, 63-64; staff writer, Ft. Lauderdale News, Fla, 58; Sacramento Bee, Calif, 58-62; Wash. commentator & consult-adv, U.S. Info. Agency, D.C., 64-65; FOR. AFFAIRS WRITER, McCLATCHY NEWSPAPERS, CALIF, 64-; ASSOC. PROF. INT. COMMUN, AMERICAN UNIV, 68- Asst. to dir. res, Medill Sch. Journalism, Northwestern, 61-62; German Found. grant to participate in Int. Seminar Econ. Journalism, Berlin, 63; Brit. For. Off. invitation to study commun. systs. in U.K. & scholar, Cambridge, 63; French For. Ministry grant, 63; asst. prof, Tennessee, 65-68. Summers, guest prof, dept. social, Chicago, 66; Univ. Tennessee faculty res. grant, Brit. Mus, London, 68. Spec. consult. & moderator, For. Media TV series, NBC, 67. Asn. Ed. Journalism; Polit. Sci. Assn; Asn. Pub. Opinion Res. International communication and public opinion; role of mass media in national development and the modernization processes; psychological and cultural bases of international politics; information and persuasion in cross-cultural contacts; research in developing countries, especially in Middle East. Publ: Journalism in Iran: a history and interpretation, Northwestern, 2 vols, 63; Crossnational comparison of economic journalism: a study of mass media and economic development, Gazette: Int. J. Mass Commun. Studies, 67; International communications: a selected bibliography, Univ. Tennessee Sch. Journalism, 67. Address: Dept. of Communication, American University, Washington, D.C. 20016.

MOWLL, DR. JACK U(SHER), b. Cleveland, Ohio, Oct. 16, 15; m. 41; c. 3. ECONOMIC GEOGRAPHY. B.A., Hopkins, 48, Ph.D., 56. Lectr. geog, Hopkins, 48-52; econ. analyst, Housing Authority of Baltimore, 50-51; res. as-soc. tech. study, Twentieth Century Fund, 51-54; dir. econ. res, nuclear div, Martin Co, 54-59; regional planning, Penn-Jersey Transportation Study, 59-61; off. transportation econ, Nat. Capital Transportation Agency, 61-62; DEVELOP. & TRANSPORTATION PLANNING CONSULT; 62- Assoc. prof, George Washington, 62- U.S.A.A.F., 42-46. Asn. Am. Geog; Am. Geog. Soc; Soc. Int. Develop. Economic feasibility of proposed capital improvements in regional transportation systems, power plants and industrial facilities, especially the determination of profitability and the impact on regional economic structures. Publ: Applications of atomic energy, Geog. Rev; Prospects for nuclear power in the Canadian minerals industries, Can. Geogr; Power requirements in remote regions. Address: 289 Holly Neck Rd, Baltimore, Md. 21221.

MOWRER, DR. DONALD E, b. Wooster, Ohio, Aug. 4, 29; m. 53; c. 5. SPEECH PATHOLOGY, BEHAVIORAL SCIENCE. B.S., Fla. State, 51, M.S., 53; Ph.D.(elem. ed), Arizona State, 64. Faculty assoc. elem. ed, Arizona State, 61-63; instr. speech, Phoenix Col, 64-65; ASST. PROF. SPEECH PATH, ARIZONA STATE, 65- Dir, Voc. Rehab. Admin. traineeship grant, 67-; prin. investr. univ. grants-in-aid res. proj, 67- Consult, Southwest. Regional Lab, 66- Speech & Hearing Assn; Ed. Res. Assn. Behavioral modification. Publ: Hearing loss at the 90 db level, Au Decibel, 54; An experimental analysis of variables controlling lisping responses of children, De Therapia Vocis et Loquelae, 65; Operant procedures in the control of speech articulation, In: Operant procedures in remedial speech and language training, Houghton, 68. Address: Dept. of Speech, Arizona State University, Tempe, Ariz. 85281.

MOWRER, PROF. ERNEST R(USSELL), b. Lost Springs, Kans, Aug. 18, 95; m. 24. SOCIOLOGY. A.B., Kansas, 18; A.M., Chicago, 21, Ph.D., 24. Asst. prof. sociol, Coe Col, 22-23; res. asst, Chicago, 23-24; asst. prof, Ohio Wesleyan, 24-25, Soc. Sci. Res. Coun. res. fel, 25-26; res. sociologist, Wieboldt Found, 26-28; asst. prof. SOCIOL, NORTHWESTERN, 28-33, assoc. prof, 33-43, prof, 43-63, EMER. PROF, 63- Soc. Sci. Res. Coun. grant in aid, 35; vis. prof, Mich. State, 40; Chicago, 48; Arizona, 64. Ed, Crofts Sociol. Series, 40-50. U.S.A., 18-19. Fel. Sociol. Assn.(secy-treas. & managing ed, Review, 47-49); Sociol. Res. Assn; Statist. Assn. Family organization and disorganization; methods of social research; family in suburbia. Publ: Family disorganization; Disorganization, personal and social; co-auth, Domestic discord. Address: 4037 Fairway Dr, Wilmette, Ill. 60091.

MOWRER, HARRIET R, b. Milford, Ill, Aug. 25, 99; m. 24. SOCIOLOGY. Ph.B., Chicago, 21, A.M., 22, Soc. Sci. Res. Coun. & univ. grants, 30-31. Domestic discord consult, Jewish Soc. Serv. Bur, Chicago, 31, 26-37; CONSULT. CLIN. SOCIOLOGIST, CHICAGO & WILMETTE, 37- Lectr, Northwestern, 30-32; vis. prof, Mich. State, 40. Fel. Sociol. Assn. Social psychology of marriage and the family; psychotherapy and problems in family behavior; the alcoholic. Publ: Personality adjustment and domestic discord; co-auth, Marriage, family and parenthood; auth, Psychocultural analysis of the alcoholic, In: Drinking and intoxication. Address: 4037 Fairway Dr, Wilmette, Ill. 60091.

MOWRER, PROF. O(RVAL) HOBART, b. Unionville, Mo, Jan. 23, 07; m. 31; c. 3. PSYCHOLOGY. A.B., Missouri, 29; Ph.D.(psychol), Hopkins, 32; hon. M.A., Harvard, 48. Nat. Res. Coun. fel, Northwestern, 32-33, Princeton, 33-34; Sterling fel, Yale, 34-36, instr. exp. psychol, Inst. Human Rel, 36-40; asst. prof. ed, Harvard, 40-43, assoc. prof, 43-48; RES. PROF. PSYCHOL, ILLINOIS, URBANA, 48- Clin. psychologist, Off. Strategic Serv, 44-45; Earl lectr, Pac. Sch. Relig, 60; Phillips visitor, Haverford Col, 61; dir. Lilly Fel. Prog. Res. consult, Community Serv. Soc, New York, 43-44; consult, Nat. Inst. Ment. Health, 51-56; Galesburg State Res. Hosp, 60-67. Fel. Psychol. Assn.(pres, 54); fel. Acad. Psychother. Vestibular physiology; psychotherapy; language. Publ: Learning theory and the symbolic processes; Crisis in psychiatry and religion; Morality and mental health. Address: Dept. of Psychology, University of Illinois, Urbana, Ill. 61801.

MOWRY, DR. WARD W(IGHT), JR, b. Middletown, N.Y., Oct. 1, 21; m. 45; c. 1. COUNSELING PSYCHOLOGY. B.A., Bridgeport, 50, M.S., 52; Ed.D.(counseling, guid), Tennessee, 54. Counsr, pub. sch, 53-54, prin, 54-55; DIR. PSYCHOL. SERV, MAHONING COUNTY BD. ED, 55- Instr, Youngstown, 55-; Westminster Col.(Pa), 59-; exten, Pa. State, 60- Dir, Psychol. Consult. Assn, 57-; psychologist, Youngstown Child Guid. Clin, 58; Mahoning County Juvenile Court, 62-; Columbiana Ment. Health Clin, 63- Consult, United Cerebral Palsy Assn, Ohio, 55; Bur. Voc. Rehab, 56; Ment. Retardation Assn. U.S.A., 41-46, 1st Lt. Psychol. Assn. Mental measurement, diagnosis and therapeutic correction of mental disorders; preventative techniques, particularly those involving groups. Address: 391 Mathews Rd, Youngstown, Ohio 44516.

MOWSESIAN, DR. RICHARD, b. New Britain, Conn, Dec. 22, 27; m. 53. COUNSELING PSYCHOLOGY. B.S., Cent. Conn. State Col, 52; M.Ed., Hartford, 59; Connecticut, summer 60; adv. prfnl. cert. guid. admin, City Univ. N.Y., 63; Ph.D.(counseling, behav. studies), Wisconsin, 65. Teacher, pub. sch, Conn, 52-58; counsr. & dir. guid, 58-62; ASST. PROF. COUNSELING PSYCHOL, TEXAS, AUSTIN, 65- Instr, Danbury State Col, 60-62. U.S.N., 45-48. Psychol. Assn; Personnel & Guid. Assn; Ed. Res. Assn. Personality correlates of rater groups; techniques in supervision and training in counseling practicum and internship; career development and assessment. Publ: Superior student's occupational preferences and their father's occupations, Personnel & Guid. J, 66; Characteristics of raters involved in counselor selection procedures, Counsr. Ed. & Supv, (in press). Address: V Hall 115, University of Texas, Austin, Tex. 78712.

MOXLEY, PROF. CLISBY CAREY, b. Casey Creek, Ky, Oct. 10, 17; m. 40; c. 2. ECONOMICS, STATISTICS. B.S., Berea Col, 39; M.S., Kentucky, 53, Ph.D., 55. County supvr, farm mgt, Farm Security Admin, 39-43; supvr, Farmers Home Admin, 45-51; salesman & sales mgr. spec. dept, Aluminum Corp. Am, 52-55; assoc. prof. ECON, AGR. EXTEN. SERV, FLORIDA, 55-61, PROF, 61-, ECONOMIST, 66- U.S.A.A.F., 43-45. Agr. Econ. Assn. Economic growth and the development of rural areas; public affairs and economic outlook. Publ: Basic steps in resource development; Conceptual study of the farm and home development program; Career exploration. Address: Dept. of Agricultural Economics, University of Florida, Gainesville, Fla. 32603.

MOYER, DR. C(ARRIE) JOSEPHINE, Geog, see 10th ed, Soc. & Behav. Vols, deceased 65.

MOYER, PROF. C(ECIL) A(DOLPH), b. Canal Fulton, Ohio, Mar. 31, 08; m. 35; c. 2. ACCOUNTANCY. B.S., Miami (Ohio), 31; M.S., Illinois, 32, Ph.D.(econ), 38. Payroll clerk, Goodyear Tire & Rubber Co, 26-27; from asst. to PROF. ACCOUNTANCY, ILLINOIS, URBANA, 31-, head dept, 53-65. Dir, Center Int. Ed. & Res. Acct, 62-65. Consult, Off. Secy. Defense, 53-54. Ed, Wiley Acct. Series. Am. Acct. Assn.(v-pres, 57, pres, 58). Economic, social and accounting aspects of fixed-capital obsolescence; accounting theory; audit techniques. Publ: Co-auth, Functional accounting, intermediate accounting, Fundamental principles of accounting & Accounting-basic financial, cost and control concepts, Wiley, 65. Address: 391 Commerce W, University of Illinois, Urbana, Ill. 61801.

MOYER, DR. K(ENNETH) E(VAN), Psychol, see 11th ed, Phys. & Biol. Vols.

MOYER, DR. L(AWRENCE) NOEL, b. Lancaster, Ohio, Jan. 28, 24; m. c. 3. SOCIOLOGY. B.A., Ohio State, 59, M.A., 60, Ph.D.(sociol), 63. Res. analyst SOCIOL, Ohio Rehab. Center, Ohio State, 62-63; asst. prof, North Dakota, 63-65, chmn. dept, 64-65; ASSOC. PROF, TOLEDO, 65-, acting chmn. dept, 66-67. U.S. Pub. Health Serv. res. grants, 63-64, 66-67. U.S.N., 41-45. AAAS; Sociol. Assn. Medical sociology, especially disability and rehabilitation of physical and mental impairments. Publ: Co-auth, Family centered care helps new parents, Mod. Hosp, 66; Status inconsistency and sick role legitimacy, Indian Sociol. Bull, 66; Dimensions of occupational maladjustment and assumption of the sick role, Soc. Sci, 67. Address: Dept. of Sociology & Anthropology, University of Toledo, Toledo, Ohio 43606.

MOYNIHAN, PROF. DANIEL PATRICK, b. Tulsa, Okla, Mar. 16, 27; m. 55; c. 3. ECONOMICS, HISTORY. B.N.S., Tufts Col, 46, B.A., 48; M.A., Fletcher Sch. Law, 49, Ph.D., 61. Fulbright fel, London Sch. Econ, 50-51; budget asst. admin, U.S. Air Force, 51-53; dir. pub. rels, Int. Rescue Cmt, 54-55; from asst. to the secy. to acting secy. to Gov. of N.Y., 55-58; dir. N.Y. State govt. res. proj, Syracuse Univ, 59-61; spec. asst. to secy. of labor for policy & admin, U.S. Dept. Labor, 61-62, exec. asst, 62-63, asst. secy. labor for

policy planning & res, 63-65; DIR. JOINT CENTER URBAN STUDIES & PROF. ED. & URBAN POLIT, HARVARD, 65- Instr. govt, overseas prog, Univ. Maryland, 52-53. U.S.N.R, 43-47, Lt.(jg). Polit. Sci. Asn; Soc. Pub. Admin. Political science; traffic safety; state government; international labor relations. Publ: Co-auth, Beyond the melting pot: the ethnic groups of New York City, Harvard, 63. Address: Joint Center for Urban Studies, 66 Church St, Cambridge, Mass. 02138.

MOYNIHAN, JAMES F(RANCIS), S.J., b. North Walpole, N.H., July 4, 06. PSYCHOLOGY. A.B., Holy Cross Col, 27; M.A., Boston Col, 32; Ph.D., Weston Col, 33, S.T.L., 38; Ph.D.(psychol), Catholic Univ, 42. Instr. Holy Cross Col, 33-34; asst. prof. psychol, BOSTON COL, 42-46, assoc. prof, grad. sch, 46-50, PROF. PSYCHOL. & ED, 50-, dir. guid, 45-57, dir. rosary child guid. clin, 54-57, chmn. dept. psychol, 49-66. Consult, Mass. Dept. Ed, 55-, Mass. Dept. Ment. Health, 67- Mem. bd. dirs, Vet. Admin. Guid. Center, Harvard, 45-46. Mem. adv. cmt, Am. Coun. Ed, 46-49. Dipl. Am. Bd. Exam. Prfnl. Psychol, 56. Fel. AAAS; Psychol. Asn; Personnel & Guid. Asn. Counseling and guidance; psychotherapy; mental hygiene; religion and psychotherapy. Address: Dept. of Psychology, Boston College, Chestnut Hill, Mass. 02167.

MOZELL, DR. M(AKWELL) M(ARK), Psychophysiol, see 11th ed, Phys. & Biol. Vols.

MUCHA, FRANK A(THUR), b. Mar. 16, 08; m. 37; c. 1. ECONOMICS. B.S., Columbia, 31, M.S., 32. Instr. Brooklyn Col, 31-32; res. assoc. Metrop. Life Ins. Co, 32-38; housing economist, FED. HOUSING ADMIN, 38-42, chief underwriting anal. sect, 45-50, regional economist, 50-60, chief res. sect, 61-65, CHIEF MKT. ANAL. SECT, 67- Regional rep, Nat. Housing Agency, 42-45. Housing economics; regional planning; banking and finance. Publ: Housing market analysis manual; contrib. & ed, Structure and growth of residential neighborhoods in American cities; auth, The compulsory investment law of Texas, Best's Ins. News. Address: 4303 Stanford St, Chevy Chase, Md. 20015.

MUDD, DR. EMILY HARTSHORNE, b. Merion, Pa, Sept. 6, 98; m. 22; c. 4. FAMILY RELATIONS. M.S.W., Pennsylvania, 36, Ph.D., 50; hon. D.Sc., Hobart Col, 58. Vol. asst, Harvard Med. Sch, Rockefeller Inst, City of New York, Henry Phipps Inst. & sch. med, Pennsylvania, 22-33; dir, Marriage Coun. of Phila, 36-66; asst. prof. family study psychiat, Pennsylvania, 52-56, prof, 56-57. Lectr, Bryn Mawr Col. & Swarthmore Col, 40-55; prin. investr, res. marriage counseling, U.S. Pub. Health Serv, 47-55; mem. faculty, Vet. Admin. Resident Training Prog. Psychiat, Va, 47-64; prin. investr, State Dept. Health, Pa, 55-67; Nat. Inst. Ment. Health proj, adv. training for divinity sch. teachers of pastoral care, 64-69. Consult, Dept. Health, Ed. & Welfare, 56; Encyclop. Ment. Health, 61. John Fleming medal, Am. Inst. Geomorph. & Natural Resources, 67. Fel. Sociol. Asn; Orthopsychiat. Asn; Asn. Marriage Counsr; Acad. Psychother. Publ: Co-ed, Marriage counseling: a casebook; Man and wife, a sourcebook of family attitudes, sexual behavior and marriage counseling; co-auth, Success in family living, Asn. Press, 65. Address: University of Pennsylvania School of Medicine, 3828-30 Locust St, Philadelphia, Pa. 19104.

MUDD, HARMON LINCOLN, Econ, see 10th ed, Soc. & Behav. Vols.

MUDD, DR. SAMUEL A(LEXANDER), b. New Cumberland, Pa, Nov. 14, 30; m. 62; c. 4. PSYCHOLOGY. B.A., Gettysburg, 57; M.S., Purdue, 58; Nat. Sci. Found. fel, 60-61, Ph.D.(psychol), 61. Instr. PSYCHOL, Gettysburg Col, 58-59, asst. prof, 61-64; Southern California, 64-65; GETTYSBURG COL, 65-66, ASSOC. PROF, 66- Prin. investr. Nat. Inst. Ment. Health grant, 62-63. U.S.N., 49-50; U.S.A.F., 51-55. AAAS; Acad. Polit. & Soc. Sci. Application of psychometric techniques in the analysis of problems in perception; human factors research; social processes. Publ: Spatial stereotypes of four dimensions of pure tone, J. Exp. Psychol, 63; Group sanction severity as a function of degree of behavior deviation and relevance of norm, J. Personality & Soc. Psychol, 3/68; Assessment of the fidelity of dynamic flight simulators, Human Factors, 8/68. Address: Dept. of Psychology, Gettysburg College, Gettysburg, Pa. 17325.

MUDHOLKAR, DR. GOVIND S, Math. Statist, see 11th ed, Phys. & Biol. Vols.

MUDIE, DR. JOHN H(OWARD), b. Hackensack, N.J., July 13, 27. ECONOMICS. A.B., Dartmouth Col, 49; M.B.A., Pennsylvania, 51; fel, Texas, 53-55, Ph.D., 60. Asst. prof. econ, Agr. & Mech. Col, Tex, 55-56; economist, GOVT. DEVELOP. BANK, 56-57, asst. v.pres, 59-67, V.PRES, 67-, DIR. ECON. RES. DEPT, 65-, asst. dir, 57-59, asst. exec. secy, finance coun, 57-59. Vis. lectr, Inter-Am. Univ. P.R., 67-, CHMN. DEPT. ECON. & BUS. ADMIN, 68- Del. Conf. Cent. Bank Tech. Am. Continent, Colombia, 57; del. to various Caribbean econ. & polit. conf, 59- U.S.A., 46-47, Res, 53-56, Sgt. Econ. Asn; Statist. Asn; Soc. Int. Develop. Government; international economics; finance. Publ: Role of the government development bank in Puerto Rico's economy. Address: Government Development Bank, Box 9183, San turce, P.R. 00908.

MUEHL, PROF. SIEGMAR, b. Indianapolis, Ind, Sept. 5, 22; m. 44; c. 4. EDUCATIONAL PSYCHOLOGY. M.A., Chicago, 48; M.S., State Univ. N.Y., 53; Ph.D., Iowa, 59- Teacher, pub. schs, N.Y., 51-54; asst. prof. elem. ed, State Univ. N.Y. Col. Ed. (Cortland), 54-57; asst. prof. CHILD PSYCHOL, IOWA, 59-62, assoc. prof. & dir, childrens reading clin, 62-66, prof, 66-67; COORDINATOR, COL. ED. ACHIEVEMENT PROJ, J.C. SMITH UNIV, 67- C.Eng, 43-46, 1st Lt. Psychol. Asn. Stimulus, perceptual and motivational variables associated with the beginning-reading process; education of disadvantaged Negro youth with particular interest in pre-college remedial programs. Publ: Co-auth, EEG abnormality and psychological test performance in reading disability, Cortex, 65, Ability to match information within and between auditory and visual sense modalities and subsequent reading achievement, J. Ed. Psychol, 66 & Recent research in visual discrimination: implications for beginning reading, Int. Reading, 66. Address: Johnson C. Smith University, Charlotte, N.C. 28208.

MUEHLBEIER, JOHN, b. Scotland, S.Dak, Aug. 16, 09; m. 39; c. 2. LAND ECONOMICS. B.S., S.Dak. State Col, 31, M.S., 33; Nebraska, 46-48. Asst. mkt. & farm mgt, S.Dak. State Col, 33-34; analyst, Bank Coop, Farm Credit Admin, 34-35; asst. state land planning specialist, land planning sect, farm security admin, U.S. DEPT. AGR, S.Dak, 35-38, state rep, div. state & local planning, bur. agr. econ, N.Dak, 38-42, agr. economist, land econ. div, 42-54, land & water res. br, agr. res. serv, 54-61, AGR. ADMINSTR, ECON. RES. SERV, 61-, SECY, GREAT PLAINS AGR. COUN, 55-; MEM. STAFF, DEPT. AGR. ECON, NEBRASKA, 55- Staff economist, Presidential-Mo. Basin Surv. Cmn, 52-53; secy, Mo. Basin Inter-Agency Cmt, 54-55. Agr. Econ. Asn; Acad. Polit. & Soc. Sci; Rural Sociol. Soc; Forestry Asn. Land use planning; development of regional programs of research and education. Publ: Organizing for watershed development, Great Plains Agr. Coun. Bull; Land use problems in the Great Plains, In: Yearbook of Agriculture; The development of a program for the salt-wahoo watershed in Nebraska, Nebr. Agr. Exp. Sta. Bull. Address: 304 Dairy Industry Bldg, College of Agriculture, University of Nebraska, Lincoln, Nebr. 68503.

MUEHLNER, DR. FELIX, b. Hildesheim, Germany, June 23, 99; nat; m. 53; c. 2. ECONOMICS. J.D., Frederick William Univ, Germany, 26. European rep. for banking, Hanover Bank of N.Y., 28-34; mgr, Handels-Unie te Amsterdam, Holland, 35; for. rep. indust, Royal Typewriter Co, N.Y., 36; v.pres, Niagara Share Corp, 37-46; acct. rep, Merrill Lynch, Pierce, Fenner & Beane, 47-48; lectr. finance, Buffalo, 49; assoc. res. prof, FLORIDA, 50-59, ASEOC, PROF. MGT, 59- Econ. Asn; Finance Asn. Industrial and community development; foreign trade. Publ: Co-auth, Financing new manufacturing plants in Florida; auth, Industrial dispersion in the United States. Address: Dept. of Management & Business Law, University of Florida, Gainesville, Fla. 32601.

MUELLER, DEAN MILTON E, b. Boody, Ill, Aug. 27, 08; m. 39. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B., Knox Col, 30; Int. Ed. Am-German fel, Freiburg, 30-31; univ. fel, Michigan, 31-33, M.A., 32, Ph.D. (hist), 39; M.A., Columbia, 43. Instr. European hist. & head dept. German lang, Wis. State Teachers Col.(La Crosse), 33-35; instr. hist, MICH. STATE, 35-40, asst. prof, 41-47, assoc. prof, 47-48, prof. polit. sci. & pub. admin. & head dept, 49-52, DEAN col. sci. & arts, 52-59, SCH. ADV. GRAD. STUDIES, 59-, V.PRES, OFF. RES. DEVELOP, 59-, dir, 51-52, coordinator, Univ. Ryukyus adoption prog, 51-57. Dir. health task force, Little Hoover Cmn, State Reorgn, Mich, 50-51; mem. State Civil Serv. Cmn, Mich, 51-57, chmn. 55-57. With Off. Mil. Govt, Germany, 45-49. U.S.N.R, 43-46, Lt. Comdr; Legion of Merit, 45. AAAS; Polit. Sci. Asn; Hist. Asn. History; international relations; modern European history; impact of government, industry and private foundations on university research and education. Publ: Sponsored research; Art of administrative leadership, Pub. Mgt; Adopting the University of the Ryukyus, Ed. Record. Address: School for Advanced Graduate Studies, Michigan State University, East Lansing, Mich. 48823.

MUELLER, DR. ALFRED D(ON), b. Wis, Nov. 7, 93; m. 19; c. 2. CLINICAL PSYCHOLOGY. Ph.B., Wisconsin, 18, Ph.M., 19; M.A., Yale, 26, Ph.D.(ed. psychol), 27. Prof. ed. psychol, State Teachers Col, Mass, 23-29; assoc. prof, Tennessee, 29-38; dir. & psychologist, child guid. & adult adjust. clin, Knoxville, Tenn, 38-46; clin. psychologist, Vet. Admin. Med. Teaching Group Hosp, 47-50, chief psychol. serv, 50-63; RETIRED. Lectr, Yale, 28-29. Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. AAAS; fel. Psychol. Asn. Clinical psychological studies and personality problems of patients with spinal cord injuries, rheumatoid arthritis, gastrointestinal disease, peptic ulcers and intractable pain. Publ: Psychological aspects and personality problems of the spinal cord injured; Personality structure and dynamics of patients with rheumatoid arthritis; Pain threshold studies in paraplegia. Address: 4035 Tutwiler Rd, Memphis, Tenn. 38122.

MUELLER, DR. ALLAN GEORGE, b. Taylor Ridge, Ill, Nov. 17, 23; m. 47; c. 2. AGRICULTURAL ECONOMICS. B.S., Illinois, 45, M.S. 47, Ph.D.(agr. econ), 55. Asst. prof. FARM MGT, ILLINOIS, URBANA, 55-58, ASSOC. PROF, 58- Agr. Econ. Asn; Soc. Farm Mgr. & Rural Appraisers. Farm management, especially financial management; production economics. Publ: Flow of funds in farm financial management, J. Farm Econ, 66; co-auth, Hog production systems, an analysis in management decision making, J. Agr. Eng, 66; auth, Farm management counseling, J. Am. Soc. Farm Mgr. & Rural Appraisers, 67. Address: Dept. of Agricultural Economics, 450 Mumford Hall, University of Illinois, Urbana, Ill. 61801.

MUELLER, DR. FRANZ H(ERMANN), b. Berlin, Germany, May 2, 00; nat; m. 30; c. 5. ECONOMICS, SOCIOLOGY. M.B.A., Berlin Sch. Commerce, Germany, 22; Berlin, 21-23; Dr. rer. pol, Cologne, 25. Sub-asst. int. law & polit. sci, Berlin Sch. Commerce, Germany, 21-23; asst. econ, Grad. Sch. Eng, Berlin, 26-27; Grad. Sch. Eng, Karlsruhe, 27-28; asst. dir. soc. sci. res. inst, Cologne, 28-34, asst. soc. legis. & soc. work, 34-36; asst. prof. social, St. Louis, 36-40; prof. econ, Col. St. Thomas, 40-68, chmn. dept, 42-60; RES. & WRITING, 68- Asst. dir, Soc. Welfare Agency, Cath. Charities, Berlin, Germany, 26-27; lectr, Christian Trade Union Schs, Cologne & Koenigswinter, 29-31; vis. prof, Cologne, 50; mem. staff, Hill Center of Area Studies, 55-56, 58-59; Fulbright prof, Vienna, 57-58. Summer vis. prof, Minnesota, 54. Mem. Cath. Cmn. Intell. & Cultural Affairs. Fel. Am. Sociol. Asn; cor. mem. German Sociol. Soc. Industrial sociology; social reform; history of economic thought; comparative economic systems; history of industrial sociology in German-speaking countries; social order essays on social philosophy, social ethics and social policy. Publ: Soziale Theorie des Betriebes, Duncker & Humboldt, Berlin, 52; The church and the social question, In: The challenge of Mater et Magistra, Herder, 63; Reflections on the parish of our time, Soc. Justice Rev, 11/66. Address: 2110 Wellesley Ave, St. Paul, Minn. 55105.

MUELLER, PROF. FRED J, b. Millbro, S.Dak, Dec. 21, 18; m. 47. BUSINESS ADMINISTRATION. B.A., Washington (Seattle), 53, M.A., 54; Ph.D. (finance, acct, econ), Ohio State, 56. Asst. prof. acct. & finance, WASHINGTON (SEATTLE), 56-59, assoc. prof. ACCT, 59-65; PROF, 67- Vis. prof, Hawaii, 65-66. Acct, Haskins & Sells, Cert. Pub. Acct, 57-62. Consult, Gen. Elec. Co, summers, 60, 63 & 64; State Dept. Nat. Resources, Wash, 64-66. Fi-

nance Assn; Acct. Assn. Accounting and business finance; nature and state of compliance with federal and state taxation from the businessman's point of view; managerial control of business; accounting practices of not-for-profit organizations. Publ: The burden of compliance, *Bur. Bus. Res. Univ. Wash.*, 63; co-auth, Investment credits, *Acct. Rev.*, 7/63; auth, Burden of tax compliance keeps mounting, *J. Taxation*, 12/64. Address: Dept. of Accounting, Graduate School of Business Administration, University of Washington, Seattle, Wash. 98105.

MUELLER, PROF. GERHARD G(OTTLOB), b. Eineborn, Germany, Dec. 4, 30; U.S. citizen; m. 58; c. 3. ACCOUNTING. B.S., California, Berkeley, 56, M.B.A., 57, Ford Found. fel, 58-60, Ph.D. (acct. int. bus), 62. Acct. FMC Corp, Calif, 57-58; asst. prof. ACCT, WASHINGTON (SEATTLE), 60-63, assoc. prof, 63-67, PROF, 67- Int. acct. res. fel, Price Waterhouse & Co, N.Y., 62-64, consult, 65- Consult, U.S. Dept. Treas, 63-65; acct. res. div, Am. Inst. Cert. Pub. Acct, 67- Am. Acct. Assn. International accounting and business; accounting theory. Publ: Auth & co-auth, Accounting practices in ... The Netherlands, Sweden, Argentina, Germany, Japan, Univ. Washington, 62-; auth, International accounting, MacMillan, 67; sect. on inventories, In: Accountants' handbook, Ronald, 5th ed, 68. Address: 9660 N.E. 34th St, Bellevue, Wash. 98004.

MUELLER, PROF. GERHARD O(TTO) W(ALTER), b. Eigenrieden, Germany, Mar. 15, 26; m. 49; c. 4. CRIMINAL LAW, CRIMINOLOGY. J.D., Chicago, 53; LL.M., Columbia, 55. Instr. law, Washington (Seattle), 53-54; asst. prof. criminal law, West Virginia, 55-56, assoc. prof, 56-57; fel. criminal law & criminol, Yale, 57-58; assoc. prof, N.Y. Univ, 58-60, PROF. LAW, CRIMINAL LAW & CRIMINOL, 60-, DIR. COMP. CRIMINAL LAW PROJ, 58- Roy Moreland vis. prof, col. law, Kentucky, 67-68. Summers, vis. prof, Freiburg, 59; Puerto Rico, 61; Luxembourg, 62; prof, Int. Univ. Comp. Sci, Luxembourg, 63 & 64; vis. prof, Free Univ. Berlin, 68. Spec. adv. U.S. Senate Sub-Cmt. on Improvements Judicial Mach, 65-67; consult, comp. delinquency study, Childrens Bur, 66- Pres. Am. Nat. Sect. Int. Assn. Penal Law, 59-64, v-pres, 63- Soc. Criminol.(pres, 67-68); Asn. Psychiat. Treatment of Offenders (secy, 60-). Theory of scientific criminal law and practice of its application and administration; consonance of criminal theory and the behavioral sciences, especially sociology and psychiatry, in worldwide comparison. Publ: El derecho penal, 63 & La nueva administración de la justicia penal en los Estados Unidos, 67, Abeledo-Perot, Buenos Aires; co-auth, Criminal law and procedure, Bobbs, 65. Address: 416 Vanderbilt Hall, New York University, 40 Washington Square S, New York, N.Y. 10003.

MUELLER, DR. JOHN ERNEST, b. St. Paul, Minn, June 21, 37; m. 60; c. 2. POLITICAL SCIENCE. B.A., Chicago, 60; U.S. Pub. Health Serv. fel, California, Los Angeles, 62-65, M.A., 63, Ph.D.(polit. sci), 65. ASST. PROF. POLIT. SCI., ROCHESTER, 65- Nat. Sci. Found. res. grant, 67-68. Polit. Sci. Assn. International relations; defense policy; quantitative methods. Publ: Quantitative methods in international relations, Appleton, 68; The politics of fluoridation, West. Polit. Quart, 66; co-auth, Decision-making and the quantitative analysis of international relations, In: Year book of world affairs, 67. Address: Dept. of Political Science, University of Rochester, Rochester, N.Y. 14627.

MUELLER, PROF. JOHN H(ENRY), Statist, see 10th ed, Soc. & Behav. Vols, deceased 65.

MUELLER, PROF. KATE HEVNER, b. Derry, Pa, Nov. 1, 98; m. 35. PSYCHOLOGY. A.B., Wilson Col, 20, Sc.D., 52; A.M., Columbia, 23; fel, Chicago, 26-28, Ph.D.(psychol), 28; D.H.L., Mills Col, 63. Instr. psychol, Wilson Col, 23-26; asst. prof, Minnesota, 28-35; lectr, exten. div, INDIANA, 36-46, dean women, 46-48, ed. adv. women, 48-49, assoc. prof. ed, 49-52, PROF. HIGHER ED, 54- Res. assoc, Carnegie Found, Oregon, 32, 33; vis. prof, univ, 58; Woman's Col, North Carolina, 59. Ed. in chief, J. Nat. Assn. Women Deans & Counselors, 57- Summers, Pa. State Col, 49, specialist, U.S. High Cmnr. for Germany, 51. Consult, Am. Coun. Ed, 46-50; Nat. Ed. Assn, 60- Psychol. Assn; Soc. Aesthetics; Personnel & Guid. Assn; Nat. Assn. Women Deans & Counsr. Aesthetics; college personnel; women's education. Publ: Counseling for mental health; Educating women for a changing world; Student personnel work in higher education. Address: School of Education, Indiana University, Bloomington, Ind. 47401.

MUELLER, DR. LUTHER A(RTHUR), b. Hepler, Kans, Sept. 16, 10; m. 40. POLITICAL SCIENCE. B.A., Oklahoma, 38, M.A., 41; Toledo, 51-54; Ph.D., Western Reserve, 60. Purchasing agent, Portage Ord. Depot, Ohio, 41-43; property & supply officer, maj. items mgt. agency, Ord. Corps, U.S. Dept. Army, 49-54; asst. prof. HIST. & POLIT. SCI., Iowa Wesleyan Col, 60; ASSOC. PROF, GROVE CITY COL, 60-, CHMN. DEPT, 62- Hist. Assn; Acad. Polit. & Soc. Sci; Polit. Sci. Assn. Germano-Polish border settlements at close of World War I, especially Pomerania and Posnania. Publ: Triumph of Polish nationalism and re-establishment of the state. Address: Dept. of Political Science & History, Grove City College, Grove City, Pa. 16127.

MUELLER, DR. M(AX) G(ERHARD), b. Hamburg, Germany, May 20, 25. ECONOMICS. B.Sc., London, 49; M.A., Illinois, 51, Ph.D., 60. Economist, adv. staff to Govt. of Israel, 54-55; instr. ECON, Mich. State, 56-60, asst. prof, 60-62; California, Los Angeles, 62-66; VIS. LECTR, MARYLAND, 67- Am. Econ. Assn; Royal Econ. Soc; Indian Econ. Assn. Employment theory and economic growth; world economic growth. Publ: Ed, Readings in macroeconomics, Holt, 66; co-auth, Population growth and economic development in India, Indian Econ. J., 55; On making historical techniques more specific: real types constructed with a computer, Hist. & Theory, 67. Address: Dept. of Economics, University of Maryland, College Park, Md. 20742.

MUELLER, DR. PAUL F(REDERICK) C(HARLES), b. Schenectady, N.Y., Nov. 24, 23; m. 45; c. 2. PSYCHOLOGY, ANTHROPOLOGY. B.A., Stanford, 47, M.A., 50; Ph.D., Washington (Seattle), 59. Sr. res. technician & superv. measurement develop. unit, Calif. State Dept. Corrections, 60-66; CHIEF RES. & STATIST, CALIF. STATE DEPT. REHAB, 66- U.S.A., 43-46, 1st Lt.

Psychol. Assn. Program evaluation; follow-up studies; prediction scales; typologies. Publ: Success rates as a function of treatment assignment and juvenile delinquency classification interaction; Use of several methods of follow-up analysis with one cohort, *Am. J. Pub. Health*. Address: 1801 11th Ave, Sacramento, Calif. 95818.

MUELLER, DEAN RONALD A. H., b. London, Eng, Nov. 6, 13; nat; m. 41; c. 1. PSYCHOLOGY. B.S., Rochester, 38, M.A., 40; Ph.D., Pa. State, 49. Optics engr, Eastman Kodak Co, N.Y., 38; occup. analyst, U.S. Employ. Serv, Tex, 40-41; physicist ballistics lab, Frankford Arsenal, Pa, 41-42; sr. res. analyst, Nat. Defense Res. Cmt. & Off. Sci. Res. & Develop, U.S. Navy, Pennsylvania, 42-45; dir. vet. counseling serv, Pa. State, 45-46; res. assoc, Psychol. Corp, New York, 46-47; clin. psychologist, Bd. Ed, Rochester, 46-47; asst. prof. psychol, RENNELAER POLYTECH, 47-51, assoc. prof, 51-53, prof. & chmn. gen. studies, 53-57, DEAN SCH. HUMANITIES & SOC. SCI, 57- Consult, State Dept. Ed, N.Y., 58- Psychol. Assn; Soc. Eng. Ed. Psychomotor learning; physiological psychology; industrial training and selection. Address: School of Humanities & Social Science, Rennselaer Polytechnic Institute, Troy, N.Y. 12181.

MUELLER, DR. WILBERT J(OHN), b. Orlando, Okla, July 14, 06; m. 28; c. 2. PSYCHOLOGY. A.B., Kansas Wesleyan, 48; M.S., Ft. Hays Kans. State Col, 49; fel, Kansas, 53-54, Ed.D., 56. Personnel guid. officer, St. John's Mill, Sch, Kans, 42-48; dir. Ed. Res. Inst, 48-52; sch. psychologist, bd. ed, Hutchinson, 54-62; PRES. MGT. RES. & DEVELOP. INST, 65- Private practice, 62- Summer, guest prof, Wichita, 57. Psychol. Assn. Psychological adjustment of adolescents and the academic functioning efficiency of students; industrial psychology; effective utilization of human resources in business and industry. Address: 1201 N. Main St, Hutchinson, Kans. 67501.

MUELLER, DR. WILLARD F(RITZ), b. Ortonville, Minn, Jan. 23, 25; m. 48; c. 3. ECONOMICS. B.S., Wisconsin, 50, M.S., 51; Ph.D., Vanderbilt, 55. Asst. prof. agr. econ, California, 57-57; prof, Wisconsin, 57-61; chief economist, Select Cmt. Small Bus, U.S. House Rep, 61; dir. bur. econ, U.S. Fed. Trade Cmn, 61-68; EXEC. DIR, CABINET CMT. PRICE STABILITY, 68- Vis. prof, Mich. State, 65; lectr, Maryland, 66- U.S.N., 43-46. Econ. Assn; Agr. Econ. Assn. Industrial organization and market structure, especially food industries. Publ: Co-auth, Changes in the market structure of grocery retailing; Business reciprocity and the size of firms, J. Bus; Sources of DuPonts major innovations, Nat. Bur. Econ. Res. Address: Cabinet Committee on Price Stability, Washington, D.C. 20506.

MUENCH, PROF. GEORGE A(RTHUR), b. Chicago, Ill, Mar. 9, 19; m. 43; c. 4. PSYCHOLOGY. A.B., Denison, 42; M.A., Ohio State, 43, Ph.D.(clin. psychol), 45. Clin. psychologist, Bur. Juvenile Res, Ohio, 43-44; psychologist, Univ. Sch, 44-45; assoc. prof. PSYCHOL, Louisville, 45-49; from assoc. prof. to PROF, SAN JOSE STATE COL, 49-, DIR. COUNSELING CENTER, 55- Chief psychologist, Adult & Guid. Clin. Santa Clara County, 49-54; Found. Econ. Ed. fel. Consult, Vet. Admin, 63-68. Mem, Rorschach Inst, 45- Dipl, Am. Bd. Exam. Prinl. Psychol. Fel. Psychol. Assn; fel. Orthopsychiat. Assn; fel. Acad. Psychother. Experimental evaluation of psychotherapy and clinical methodology; new innovations in psychotherapy practice and research. Publ: Evaluation of nondirective psychotherapy with the Rorschach and other indices; Application of diagnostic methods to counseling and psychotherapy; A clinical psychologist treatment of union-management conflicts, J. Humanistic Psychol, spring 63. Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 95114.

MUENCH, DR. JOHN, JR., b. Annapolis, Md, July 26, 30; m. 54; c. 2. FOREST ECONOMICS. B.S., Pa. State, 53, M.F., 58; D.For., Duke, 64. Instr. FORESTRY, PA. STATE, 57-63, ASST. PROF, 63-, FOREST ECONOMIST, NAT. FOREST PRODS. ASSN, 65- U.S.A.F., 53-56, 1st Lt. Soc. Am. Foresters; Econ. Assn. Public forestry programs for private landowners; impact of public vs. private ownership of forest land on a rural economy; management of even-aged forest stands. Address: National Forest Products Association, 1619 Massachusetts Ave. N.W., Washington, D.C. 20036.

MUENSTERBERGER, DR. WARNER. ANTHROPOLOGY. Ph.D.(anthrop), Basel, 38. Res. assoc, Royal Inst. for Indies, Amsterdam, 39-46; consult, proj. contemporary cultures, Columbia, 47-50; lectr. PSYCHIAT, STATE UNIV. N.Y. DOWNSTATE MED. CENTER, 50-56, clin. asst. prof, 56-61, ASSOC. PROF, 61- Lectr, sch. appl. psychoanal, N.Y. Psychoanal. Inst, 53-; N.J. Neuropsychiat. Inst, 58- Fel. Anthropol. Assn; Soc. Appl. Anthropol. Psychol. Assn; fel. Orthopsychiat. Assn; Royal Anthropol. Inst. Gt. Brit. & Ireland. Psychosociological research in personality, social structure and culture; motivation and human interaction; psychoanalysis. Publ: Orality and dependence: characteristics of southern Chinese, In: Psychoanalysis and social science; ed, Psychoanalytic study of society, Vols. I & II; The creative process: its relation to object loss and fetishism, In: Psychoanalytic study of society. Address: Dept. of Psychiatry, State University of New York Downstate Medical Center, 450 Clarkson Ave, Brooklyn, N.Y. 11203.

MUFFETT, PROF. DAVID JOSEPH MEAD, b. Birmingham, Eng, Mar. 6, 19; m. 50; c. 3. POLITICAL SCIENCE. Center Int. Affairs fel, Harvard, 63-64; M.A., Pittsburgh, 66. Admin. officer, Her Majesty's Colonial Serv, 47-63, officer administering govt, North. Cameroons, 61, cmnr, Kano, Nigeria, 62; instr. HAUSA, DUQUESNE, 64-66, ASST. PROF, 66- Order Brit. Empire, 60. Brit. Army, 38-46, Maj. Fel. African Studies Assn; Am. Polit. Sci. Assn; African Studies Assn. U.K.; Royal Commonwealth Soc. History, government and politics, especially African and military aspects of colonial rule. Publ: Concerning Brave captains, Andre Deutsch, Eng, 64; The story of Sultan Attahiru I, African Univ, Nigeria, 64; Failure of mass/elite communication in Nigeria, S. Atlantic Quart, 68. Address: 323 Sunset Dr, Bethel Park, Pa. 15102.

MUGGE, GEORGE ALBERT, Mod. European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

- MUGGE, DR. ROBERT H(ERMAN), b. Tampa, Fla, Nov. 28, 21; m. 47; c. 4. SOCIOLOGY. B.A., Florida, 43, M.A., 47; Ph.D., Chicago, 57. Pub. health statistician, Bd. Health, Chicago, Ill., 49-50; res. consult, U.S. Pub. Health Serv., Ga., 50-51; res. assoc., Cmn. Human Resources, 51-52; dir. res. & statist., Bd. Pub. Welfare, N.C., 52-59; surv. statistician, bur. pub. assistance, Soc. Security Admin., U.S. DEPT. HEALTH, ED. & WELFARE, 60-62, CHIEF, demog. res. group, BUR. FAMILY SERV, WELFARE ADMIN, 62-66, PROG. RES. BR, 66- U.S.A., 43-46, Lt. Sociol. Asn; Statist. Asn; Pub. Welfare Asn; Pop. Asn. Demography; human ecology; race relations; public welfare. Address: 222 Hillboro Dr, Silver Spring, Md. 20902.
- MUHLBACH, LT. COL. GEORGE W, U.S.A.F., b. New York, N.Y., June 13, 22; m. 42; c. 1. SOCIOLOGY, PSYCHOLOGY. A.B., Omaha, 56; M.A., Colo. State Col., 61. U.S. AIR FORCE, 51-, sr. instr. police admin, U.S. Air Force Provost Marshal Sch, 53-56, chief security, Air Materiel Forces, Europe, 56-59, asst. prof. air sci, Colo. State Col, 59-63, behav. sci, U.S. AIR FORCE ACAD, 63-64, ASSOC. PROF, 64-66, SOCIOL, 66-, CHIEF DIV. SOCIOL, 67- Consult. & lectr. Police Acad, Colo, 65-68; lectr. South. Colo. State Col, 65- Assoc. Am. Correctional Asn; Acad. Polit. & Soc. Sci; Int. Asn. Chiefs Police. Effects of middle class stratification on crime and delinquency; correctional rehabilitation of recidivists; upgrading the law enforcement field; impact of data processing on law enforcement. Publ: Effective lesson planning-training, In: Law enforcement, Int. Asn. Chiefs Police, 8/65; The case method of instruction as used at the Air Force Academy, U.S. Air Force Instr. J, 7/64. Address: Dept. of Psychology, U.S. Air Force Academy, Colo. 80840.
- MUHLNBRUCH, CARL W(ILLIAM), Civil Eng, see 11th ed, Phys. & Biol. Vols.
- MUIR, DR. DONAL E, b. Louisville, Ky, July 8, 31; m. 56; c. 2. SOCIOLOGY. A.B., Harvard, 53; Columbia, 56; M.A., Marshall, 57; Ph.D.(sociol), Vanderbilt, 61. Instr. SOCIOL, Louisville, 59-61, asst. prof, 61-62; Emory, 62-63; ALABAMA, 63-65, ASSOC. PROF, 65- Soc. Sci. Res. Coun. summer grant, inst. measurement & data anal, Stanford, 63. Chem.C., U.S.A., 53-55. Sociol. Asn. Social psychology, methodology and statistics; mathematical models and simulation. Publ: Co-auth, The social debt: an investigation of lower-class and middle-class norms of social obligation, Am. Sociol. Rev, 8/62; auth, Implications of contemporary social science for the field of guidance, Personnel & Guid. J, 2/66; The scientific training of introductory sociology students, Am. Sociologist, 2/68. Address: Dept. of Sociology, University of Alabama, University, Ala. 35486.
- MUIR, DR. WILLIAM KER, JR, b. Detroit, Mich, Oct. 30, 31; m. 60; c. 3. POLITICAL SCIENCE. B.A., Yale, 54, M.A., 62, Ph.D.(polit. sci), 65; J.D., Michigan, 58. Instr. law, Michigan, 58-59; lectr. POLIT. SCI, Yale, 60-67; ACTING ASSOC. PROF, CALIFORNIA, BERKELEY, 68- Assoc. law firm, Davis, Polk, Wardwell, Sunderland & Kiendl, 59-60; Gumbart, Corbin, Tyler & Cooper, 64-67; partner, Tyler, Cooper, Grant, Bowerman & Keefe, 67-68. U.S.A., 54-55, 2nd Lt. Polit. Sci. Asn.(Corwin prize, 66). Impact of events on attitude change; power and its influence on personality of public and private men. Publ: Defending the Hill, Univ. Alabama, 55; Prayers in the public schools, Univ. Chicago, 67. Address: Dept. of Political Science, University of California, Berkeley, Calif. 94720.
- MULCAHY, RICHARD E(DWARD), S.J., b. San Rafael, Calif, Sept. 14, 11. ECONOMICS. A.B., Gonzaga, 40, M.A., 41; S.T.L., Alma Col, 47; Ph.D. (econ), California, 50. Instr. ECON, SAN FRANCISCO, 40-41, asst. prof, 50-55, from assoc. prof. to PROF, 55-, CHMN. DEPT, 50-, dean col. bus. admin, 56-61. Ford Found. fel, 53-54. Am. Econ. Asn; Royal Econ. Soc. History of economic doctrine; economic theory; consumer economics. Publ: Ed, Readings in economics from fortune & Economics of Heinrich Pesch; auth, Welfare economics of Heinrich Pesch, 4th J. Econ. Address: Dept. of Economics, University of San Francisco, San Francisco, Calif. 94117.
- MULDER, PROF. ROBERT LEONARD, b. Grand Haven, Mich, July 25, 22; m. 44; c. 3. SPEECH PATHOLOGY, AUDIOLOGY. B.A., West. Mich. Col. Ed, 48; M.A., Ohio State, 49, Ph.D.(speech sci), 53. PROF. SPEECH PATH, ORE. COL. ED. & DIR. WEST. ORE. COOP. SPEECH & HEARING CENTER, 53- Speech & Hearing Asn. Stuttering and articulation therapy. Address: Dept. of Speech Pathology, Oregon College of Education, Monmouth, Ore. 97361.
- MULDOON, DR. JOHN F(RANCIS), b. New York, N.Y., Nov. 16, 25; m. 54; c. 3. PSYCHOLOGY. B.A., Catholic Univ, 49, M.A., 53; Ph.D., Maryland, 56; M.P.H., Pittsburgh, 60. Couns. psychologist, Vet. Admin, 54-57; psychologist, diag. & therapist, Craig House Children, 57-60; asst. prof. biostatist, grad. sch. pub. health, Pittsburgh, 60-64; EXEC. DIR. MENT. HEALTH, TECHNOMA WORKSHOP, 64-66, CRAIG HOUSE, 66- Lectr., Duquesne, 56-; head psychosoc. & res. serv., St. Francis Gen. Hosp., & Rehab. Inst, 60-62, chmn. dept. behav. sci, hosp, 62-64; sch. psychologist, Allegheny County Schs, 66- U.S.A.A.F., 44-46. AAAS; Psychol. Asn; Psychomet. Soc; Pub. Health Asn. Public health; psychosocial and research aspects of rehabilitation; diagnostic and therapeutic work with children; psychosocial aspects of chronic illness and hospitalization; administration of mental health programs; community mental health planning. Address: 8510 Ridgmont Rd, Pittsburgh, Pa. 15237.
- MULDOWNEY, DR. JAMES F, Sociol, see 10th ed, Soc. & Behav. Vols, deceased 64.
- MULFORD, DR. CHARLES L, b. Iowa Falls, Iowa, Oct. 28, 32; m. 53; c. 2. SOCIOLOGY. B.S., Iowa State, 58, M.S., 59, Ph.D.(sociol), 62. Instr. SOCIOL, Iowa State, 60-61; from instr. to asst. prof, Grinnell Col, 61-64; asst. prof, Iowa State, 64-66, from asst. prof. to ASSOC. PROF, HOUSTON, 66- Soc. Sci. Res. Coun. summer fel, 64. U.S.A.F., 52-56, 1st Lt. Rural Sociol. Soc; Sociol. Soc. Community organization; political sociology; complex organizations. Publ: Considerations of the instrumental and expressive roles of community influentials and formal organizations, Sociol. & Soc. Res, 1/67; Correlates of attitudes toward the mentally ill, Jr. Soc. Psychol, 2/68; Ethnocentrism and attitude toward the mentally ill, Sociol. Quart, spring 68. Address: Dept. of Sociology, University of Houston, Houston, Tex. 77021.
- MULFORD, PROF. H(AROLD) A, JR, b. Sioux City, Iowa, July 19, 22; m. 48; c. 3. SOCIAL PSYCHOLOGY. B.S., Morningside Col, 48; M.A., Iowa, 49, Ph.D.(sociol), 55. Instr. sociol, Northwest Mo. State Col, 50, asst. prof. polit. sci. & econ, 51-53, sociol, 54-55; res. assoc. IOWA, 56, asst. prof. PSYCHIAT. & SOCIOL, 57-61, assoc. prof, 61-66, PROF, 66-, DIR. ALCOHOLISM STUDIES, 57- Lectr., Midwest Inst. Alcohol Studies, 59- Consult, Black Hawk County United Serv, 59-; Linn County Cmt. Alcoholism, 59- Mem., N.Am. Asn. Alcoholism Progs. U.S.N., 40-45, Res, 45-, Lt.(jg). AAAS; Sociol. Asn; Soc. Study Social Probs. Social psychology of drinking behavior; medical sociology. Publ: Alcohol and alcoholics in Iowa 1965, Univ. Iowa, 65; co-auth, Identifying problem drinkers in a household health survey, Dept. Health, Ed. & Welfare, 66; auth, Alcoholism, a concern (and creation) of every community, Selected Papers, N.Am. Asn. Alcoholism Progs, 67. Address: Dept. of Psychiatry, University of Iowa, Iowa City, Iowa 52240.
- MULHERN, PROF. JAMES, Hist. of Ed, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MULHOLLAND, DR. THOMAS B, b. Fitchburg, Mass, May 16, 27; m. 53; c. 4. EXPERIMENTAL PSYCHOLOGY. B.S., Tufts Col, 51; M.A., Clark, 52, Ph.D. (psychol), 56. Trainee clin. psychol, VET. ADMIN. HOSP, 56-57, RES. PSYCHOLOGIST, 57- Lectr., Clark, 57-67; Boston, 59-; Carnegie fel, Nat. Phys. Lab, Teddington, Eng, 64-65. U.S.N., 45-47. Psychol. Asn. Perception; attention; biological control systems. Publ: Co-auth, Evaluation of attention and alertness with a stimulus brain feedback loop, Electroencephalog. & Clin. Neurophysiol, 62; auth, An interpretation of the phenomenological structure of perceived motions, Perceptual & Motor Skills, 63; co-auth, Oculomotor function and the alpha-activation cycle, Nature, 68. Address: Veterans Administration Hospital, 200 Springs Rd, Bedford, Mass. 01730.
- MULHOLLAND, PROF. WALTER E(DWARD), b. Buffalo, N.Y., Jan. 23, 15; m. 46. PSYCHOLOGY. B.S., State Univ. N.Y., 46; M.A., Columbia, 47, Ed.D., 58. Supvr. music, Hamburg High Sch, N.Y., 38-39; dir., Oakfield High Sch, 39-41; instr. psychol, STATE UNIV. N.Y. COL. CORTLAND, 47-52, asst. prof, 52-54, dir. placement, 54-56, assoc. prof. PSYCHOL, 56-59, PROF, 59- Consult, State Dept. Soc. Serv, 66-; private practice, 67- U.S.A., 41-46, Sgt. AAAS; Psychol. Asn. Child, adolescent, educational and measurement psychology; child-adolescent problems; vocational adjustment. Address: Dept. of Psychology, State University of New York College at Cortland, Cortland, N.Y. 13045.
- MULLADY, PHILOMENA MARQUARDT, b. Chillicothe, Ill; m. 49. INDUSTRIAL RELATIONS. B.S., Illinois, 34, M.S., 35. From instr. to assoc. prof, Col. Mt. St. Vincent, 35-43; economist, bur. labor statist, U.S. Dept. Labor, 43-47; asst. prof. indust. & labor rels, State Univ. N.Y. Sch. Indust. & Labor Rel, Cornell, 47-53; prof. indust. rels, Loyola (Ill), 53-63; LABOR ECONOMIST FOR. MANPOWER PROGS, MANPOWER ADMIN, U.S. DEPT. LABOR, 63- Arbitrator, Roster Fed. Mediation & Conciliation Serv. Econ. Asn; Indust. Rel. Res. Asn. Manpower policies and programs; foreign manpower programs. Publ: Guaranteed annual wages; co-auth, Manpower policy and programs in five western European countries, 66 & auth, Manpower policy and programs in Canada, 68, U.S. Dept. Labor. Address: 1415 Tuckerman St, N.W., Washington, D.C. 20011.
- MULLEN, DR. FRANCES A(NDREWS), b. Chicago, Ill, Nov. 26, 02; m. 29; c. 1. PSYCHOLOGY. Ph.D., Chicago, 23, M.A., 27, Ph.D.(ed), 39. Teacher, high schs, Ill, 26-38, guid. counsr, 38-39; psychologist, bur. child study, Bd. Ed, Chicago, Ill, 39-48; prin., Graham Elem. Sch, 48-50; dir., Bur. Mentally Handicapped, 50-53; asst. supt. schs. in charge spec. ed, Bd. Ed, Chicago, 53-66; consult. spec. ed, U.S. Off. Ed, 66; CONSULT. ED. OF HANDICAPPED, 66- Instr., Northwestern; South Carolina; Arizona; lectr., Ill. Inst. Tech, 66- Consult, Dept. Ed, N.Z., 67. Ed, Int. Psychologist, 67- Chmn. cmt. on excellence in pupil personnel serv, Interprnl. Res. Cmn. on Pupil Personnel Serv, 66-; life mem., Coun. Except. Children. Fel. Psychol. Asn; Asn. Ment. Deficiency; fel. Orthopsychiat. Asn. Mental deficiency; juvenile delinquency; special education. Publ: Chap, In: School health services, Am. Med. Asn, 64; chap, In: Scope of pupil personnel services, U.S. Off. Ed, 66; chap, In: School psychological services, Prentice-Hall, 67. Address: 2901 S. Parkway, Chicago, Ill. 60616.
- MULLEN, DR. JAMES H(ANNA), b. Philadelphia, Pa, Nov. 29, 24; m. 48; c. 5. ECONOMICS. A.B., Pennsylvania, 44, M.B.A., 48, Ph.D.(econ), 55. Instr. Temple, 49-55, asst. prof. mgt, 55-58, assoc. prof, 58-61, prof, 61-66; PROF. ECON. & V.PRES. ACAD. AFFAIRS, RIDER COL, 66- Consult, Scott Paper Co. & Catalytic Construct. Co; State Farm Ins. Co, 59-; Naval War Col, 60-61. U.S.N., 43-46, Lt.(jg). AAAS; Econ. Asn; Arbit. Asn; Indust. Rel. Res. Asn; Acad. Mgt; Soc. Appl. Anthropol. Labor economics; organizational studies; national economic policy. Publ: Personality and productivity: a study of leadership in a large organization, Columbia, 66; Differential leadership modes and productivity in a large organization, J. Acad. Mgt, 6/65; Personality polarization as an equilibrating force in large organizations, Human Orgn, winter 67. Address: 18 Richey Place, Trenton, N.J. 08618.
- MULLENNIX, PROF. GRADY L(EE), b. Adell, Tex, Feb. 26, 21; m. 48; c. 3. ECONOMICS, LABOR RELATIONS. B.S. & M.S., N.Tex. State Col, 42; Ph.D. (econ), Texas, 55. Labor economist, U.S. Bur. Labor Statist, 43-44; field exam, Nat. Labor Rel. Bd, 44-46; instr. econ, N.Tex. State Col, 47-48; Texas, 48-51; supvy. indust. rels. analyst, Wage Stabilization Bd, 51-53; asst. dir. res. & ed, Oil, Chem. & Atom. Works Int. Union, 54-56; asst. prof. econ, indust. & labor rels, Mich. State, 56-58; assoc. prof. bus. admin. & dir. inst. indust. rels, FRESNO STATE COL, 58-66, PROF, 66- Arbitrator, Calif. Conciliation Serv. Econ. Asn; Indust. Rel. Res. Asn; Arbit. Asn. Labor economics; history of economic thought. Publ: Facts and trends; Wages and productivity, Indust. Labor Rel. Rev. Address: 539 E. Barstow, Fresno, Calif. 93704.
- MULLER, PROF. CHARLOTTE F(ELDMAN), b. New York, N.Y., Feb. 19, 21; m. 42; c. 2. HEALTH ECONOMICS. A.B., Vassar Col, 41; A.M., Columbia, 42, Ph.D., 46. Res. assoc. sch. pub. health, California, 48-50; lectr. med. econ, sch. med, Yale, 52-53; res. assoc. sch. pub. health & admin. med.

Columbia, 57-60; adj. asst. prof. admin. med, 60-66, asst. prof. URBAN STUDIES, CITY UNIV. NEW YORK, 67- U.S. Pub. Health Serv. res. grants, 64-; teacher, sch. soc. work, Columbia, 68- Consult, Nat. Inst. Health, 64-; Soc. Security Admin, 67- Econ. Asn; fel. Pub. Health Asn. Health economics; hospital costs, quality and personnel practices; hospital-based medical practice; prescribing patterns and drug costs; cost of complex surgery; investment behavior of public and voluntary hospitals; community health planning. Publ: Income and the receipt of medical care, 4/65 & The study of prescribing as a technique of examining a medical care system, 12/67, Am. J. Pub. Health; co-auth, Drug utilization and costs for patients with acute myocardial infarction, Health Serv. Res, spring 67. Address: 346 Elm Place, Leonia, N.J. 07605.

MULLER, PROF. HENRY M (CULLEY), b. Camden, N.J., Oct. 9, 10. SOCIOLOGY. A.B. Colgate, 35; A.M. Pennsylvania, 37, Ph.D. 47. Instr. Pennsylvania, 39-42, 45-48; from asst. prof. to PROF. SOCIOL, ALLEGHENY COL, 48- Nat. Sci. Found. summer res. grants anthrop, Colorado, 63 & sociol, Emory, 66. U.S.N. 42-45. Sociol. Asn; Anthropol. Asn; Pop. Asn; Nat. Coun. Family Rels. Population problems; marriage and the family; social problems. Publ: Morocco in transition, 1/60 & Japan in transition, 10/63, Soc. Sci. Role of sociology in nursing education, J. Nursing Ed, 1/64. Address: Dept. of Sociology, Allegheny College, Meadville, Pa. 16335.

MULLER, DR. JON D (AVID), b. Salina, Kans, Oct. 23, 41; m. 63. ANTHROPOLOGY. A.B. Kansas, 63; Ph.D. (anthrop), Harvard, 67. ASST. PROF. ANTHROP, SOUTHERN ILLINOIS, 66- Assoc. AAAS; fel. Anthropol. Asn; Soc. Am. Archaeol. Archaeology of northern Great Plains and of the eastern United States; anthropological analysis of art styles along generative, transformational lines. Publ: The Harmon Site, 32MO42, 62 & Notes on the White Earth Creek site, 32MN2, 58, Plains Anthropologist; The archaeological analysis of art styles, Tenn. Archaeologist, 66. Address: Dept. of Anthropology, Southern Illinois University, Carbondale, Ill. 62901.

MULLER, DR. MERVIN E (DGAR), Math, see 11th ed, Phys. & Biol. Vols.

MULLER, DR. ROBERT SCOTT, b. Green Bay, Wis, Oct. 21, 39; m. 60. SOCIOLOGY. B.S. Wis. State, River Falls, 62; Nat. Inst. Ment. Health fels, Fla. State, 62-66, M.S. 64, Ph.D. (sociol), 66. ASST. PROF. SOCIOL, WIS. STATE, RIVER FALLS, 66- Sociol. Asn. Community mental health; social psychology of deviance; social stratification and power in Latin America; population problems and demography; sociology of war and revolution. Publ: Self-perceived attitudes and roles of psychiatric attendants as related to the introduction of tranquilizers in a large state mental hospital, Res. Reports in Soc. Sci, 8/64. Address: Dept. of Sociology, Wisconsin State University, River Falls, Wis. 54022.

MULLER, DR. STEVEN, b. Hamburg, Germany, Nov. 22, 27; nat; m. 51. POLITICAL SCIENCE. B.A. California, Los Angeles, 48; Rhodes scholar, Oxford, 49-51, B.Litt, 51; Soc. Sci. Res. Coun. fel. Cornell, 55-56, Ph.D. 58; hon. L.H.D., Alfred, 66. Asst. prof. polit. sci, Haverford Col, 56-58; from asst. prof. to ASSOC. PROF. GOVT, CORNELL, 58-, V.PRES. PUB. AFFAIRS, 66-, dir. center int. studies, 61-66. Consult, off. int. security affairs, U.S. Dept. Defense; U.S. Arms Control & Disarmament Agency; asst. secy. ed, Dept. Health, Ed. & Welfare. Mem. ed. cmn. int. ed, Am. Coun. Ed, 67-70. U.S.A. 54-55. Coun. For. Rels; Inst. Strategic Studies; Inst. Policy Studies. Address: Office of the Vice President for Public Affairs, Cornell University, Ithaca, N.Y. 14850.

MULLIGAN, PROF. RAYMOND A (LEXANDER), b. New York, N.Y., Jan. 11, 15. SOCIOLOGY. B.S., N.Y. Univ, 37; A.M. Fordham, 39; Ph.D., Indiana, 50. From instr. to assoc. prof. sociol, DePauw, 47-52; assoc. prof. ARIZONA, 52-59, PROF. SOCIOL. & PUB. ADMIN, 59-, HEAD DEPT. PUB. ADMIN, 62-, acting head dept. sociol, 59-62. Instr. sch. nursing, Methodist Hosp. of Ind, Indianapolis, 49-; lectr, St. Mary's Sch. Nursing, 60- Dir. delinquency control inst, Univ. Arizona, 67- Mem. feasibility study of Mt. Lemmon Prison Camp, U.S. Indian Bur. U.S.A. 42-45. Sociol. Asn; Soc. Pub. Admin. Socio-economic classes; socio-economic composition of Indiana University student body; socio-economic background and college enrollment. Address: Dept. of Public Administration, University of Arizona, Tucson, Ariz. 85721.

MULLIN, DR. GAIL E (DWARD), b. Wellington, Ill, Oct. 18, 30. ECONOMICS. A.B. Wabash Col, 52; M.B.A. Indiana, 53, Earhart Found. fel, 58-59, D.B.A., 60. Instr. bus. & econ, Valparaiso, 55-57; lectr. econ, Calumet Center & mkt. & mgt. Gary Center, Indiana, 56-57, assoc. bus. conditions, univ, 57-59; economist, div. res. & statist, Bd. Gov. Fed. Reserve Syst, 60-64; vis. assoc. prof. econ. & finance, KENT STATE, 64-65, dir. & master bus. admin. prog, 64-66, ASSOC. PROF. ECON. & FINANCE, 65-, DIR. GRAD. PROG. BUS. ADMIN, 66-, ASSOC. DEAN COL. BUS. ADMIN, 67-, asst. dean, 65-67. Vis. asst. prof. Indiana, 62. U.S.A. 53-55. Econ. Asn. Consumer credit developments and institutions; issues for public and private policy in growth of savings and loan business. Address: College of Business Administration, Kent State University, Kent, Ohio 44240.

MULLIN, DR. STANLEY H, b. Brooklyn, N.Y., June 18, 16; m. 50; c. 1. MARKETING, PUBLIC RELATIONS. B.A. Brooklyn Col, 37; M.B.A. N.Y. Univ, 39, Ph.D. (commun), 61. Res. asst, Columbia Broadcasting Co, 40-43; asst. to pub. Advert. & Selling Mag, 43-47; dir. advert. & promotion, Standard Outdoor Advert, 47-48; V.PRES. COL. & COMMUNITY RELS, PACE COL, 48- Consult. Pub. Rels. Soc. Am. Sales. Publ: What you should know about sales careers, Sales & Mkt. Execs. Int. 4th ed, 64; Boundaries for public relations, Pub. Rels. J, 60; Public relations research, In: Encyclopedia of Management, Rhinehold, 63. Address: Pace College, 41 Park Row, New York, N.Y. 10038.

MULLINGS, DR. LLEWELLYN MAXIMILLIAN, b. Darliston, Jamaica, W.I., Dec. 14, 32; m. 56. ECONOMICS. A.B. Atlantic Union Col, 60; A.M. Clark, 61, Joseph F. Donnelly fel, 61-63, Ph.D. (econ), 64. Teaching fel. ECON, eve. dir, Clark, 63; instr, BRIDGEPORT, 63-64, ASST. PROF. 64- Econ. Asn. Labor forecasting for Worcester metropolitan area; economic resources and development. Publ: Co-auth, Worcester manpower skill survey, Div. Employ. Security, Mass, 63. Address: Dept. of Economics, University of Bridgeport, Bridgeport, Conn. 06602.

MULLINS, DR. CECIL J, b. West Columbia, Tex, Feb. 8, 24; m. 48; c. 3. PSYCHOLOGY. Fels, Houston, 50-53, Ph.D. (psychol), 53. Teacher reading, Lee Col, 53-57; RES. PSYCHOLOGIST, PERSONNEL LAB, LACKLAND AIR FORCE BASE, 57- Dir. indust. reading prog, Monsanto Chem. Co, 52. U.S.A. 43-46. Psychol. Asn. Communication; perception; learning. Publ: How English got that way, A.S. Barnes, 64; Recruitment testing in hearing and its implications, Am. Med. Asn. Arch; Current studies in creativity, In: Widening horizons in creativity, Wiley, 64. Address: 100 Dandelion, San Antonio, Tex. 78213.

MULLINS, DR. NICHOLAS CREED, b. Boise, Idaho, June 2, 39; m. 62; c. 2. SOCIOLOGY. B.S. Cornell, 62, M.A. 63; Nat. Sci. Found. fel, Harvard, 63-64, Nat. Inst. Ment. Health fel, 64-66, Ph.D. (sociol), 67. ASST. PROF. SOCIOL, Vanderbilt, 66-68; DARTMOUTH COL, 68- AAAS; Sociol. Asn. Sociology of knowledge, science and higher education; social organization; theory. Address: Dept. of Sociology, Dartmouth College, Hanover, N.H. 03755.

MULLOY, PROF. WILLIAM, b. Salt Lake City, Utah, May 3, 17. ANTHROPOLOGY. A.B. Utah, 39; M.A. Chicago, 48, Ph.D. 53. Field archaeologist, State Archaeol. Surv, La, 38-39; state supvr, Mont, 40-42; asst. prof. anthrop, WYOMING, 48-54, assoc. prof. anthrop. & sociol, 54-58, PROF. ANTHROP, 58- Fulbright res. grant, Easter Island, 65-66. Mem. Norweg. archaeol. exped, East. Polynesia, 55-56; Univ. Chile Mission, Isla de Pascua, 59-60. Humphrey distinguished faculty medal, Wyoming, 64. U.S.A. 42-46, Capt. Anthropol. Asn; Soc. Am. Archaeol; Polynesian Soc. Archaeology of North America and Polynesia; prehistory and conservation of Easter Island. Publ: Co-auth, Archaeology of Easter Island, Sch. Am. Res. & Mus. N.Mex, 61; Norwegian archaeological expedition to Easter Island and East Pacific, vol. II, Sch. Am. Res. & Kon-Tiki Mus, 65; auth, Archaeological heritage of Rapa Nui, UNESCO, Paris, 66. Address: Dept. of Anthropology, University of Wyoming, Laramie, Wyo. 82070.

MULTHAUF, DR. DELMAR CHARLES, b. Hartford, Wis, May 2, 24; m. 53; c. 2. GEOGRAPHY. B.S. Wis. State, Oshkosh, 50; M.S. Wisconsin, 52; D.Ed. Columbia, 58. Instr. GEOG, Wis. State, La Crosse, 54, Whitewater, 54-55, Oshkosh, 55; asst. prof. West. Conn. State Col, 58-62; Mankato State Col, 62-64; ASSOC. PROF. WIS. STATE, Oshkosh, 64-66, STEVENS POINT, 66- U.S.A.F, 43-45. Asn. Am. Geog; Nat. Coun. Geog. Ed. Cultural geography of the state of Wisconsin; regional and urban geography in New Jersey and Connecticut. Publ: Connecticut, In: World Book Encyclop, Grollier Inc, 66. Address: Dept. of Geography, Wisconsin State University, Stevens Point, Wis. 54481.

MULVANEY, BERNARD GEORGE, C.S.V, b. Marion, Wis, Mar. 28, 07. SOCIOLOGY. A.B. St. Viator Col, 30; A.M. Catholic Univ, 34; Lic. en Sci. Polit. Soc, Louvain, 38; Ph.D. Illinois, 41. Teacher, St. Viator Col, 34-36; asst. prof. sociol, Catholic Univ, 41-54, assoc. prof, 54-57; asst. gen. Relig. Congregation in Rome, 57-67; VIS. PROF. SOCIOL, LOYOLA (ILL), 67- Instr. Trinity Col. (D.C.), 43-45. Demography; how Catholics and non-Catholics differ on fertility. Publ: Catholic population revealed in Catholic baptisms. Address: Dept. of Sociology, Loyola University, Chicago, Ill. 60611.

MULVIHILL, PROF. DONALD F (ERGUSON), b. Chicago, Ill, Mar. 12, 11; m. 34; c. 2. MARKETING. B.S. Illinois, 33, M.A. 40; A.M. Chicago, 37, Ph.D. 54. From instr. to prof. MKT, Alabama, 40-61; PROF. & HEAD DEPT, KENT STATE, 62- U.S.A. 42-46. Mkt. Asn. Publ: Ed, Guide to the quantitative age, Holt, 65; co-ed, Price policies and practices, Wiley, 66; auth, Domestic marketing systems abroad, Kent State Univ, 67. Address: Dept. of Marketing, College of Business Administration, Kent State University, Kent, Ohio 44240.

MUMFORD, PROF. D (WIGHT) CURTIS, b. East Lansing, Mich, Oct. 16, 00; m. 29; c. 4. AGRICULTURAL ECONOMICS. B.S. Illinois, 23; M.S. Cornell, 25; Minnesota, 25-28; Harvard, 30-31. Sr. agr. economist, U.S. Dept. Agr, 36-38; PROF. AGR. ECON, OREGON STATE, 38- Agr. Econ. Asn. Enterprise cost of production studies. Publ: Co-auth, Cost of producing grade A milk in the Willamette Valley section of the Portland milkshed; Quality milk, does it cost more to produce? Address: Dept. of Agricultural Economics, Oregon State University, Corvallis, Ore. 97331.

MUMFORD, LEWIS, Philos, see 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

MUMMA, PROF. EDWIN W (ILSON), b. Sharpsburg, Md, June 24, 12; m. 42; c. 3. EDUCATIONAL PSYCHOLOGY, PERSONNEL ADMINISTRATION. A.B. Shepherd Col, 33; M.S. Butler, 40; Ph.D. (ed. psychol), Texas, Austin, 54. Supvr. prod, U.S. Rubber Co, Ind, 39-42; dir. training & employee rels, Des Moines Ord. Plant, 42-45; training, Mishawaka Rubber & Woolen Co, 45-48; asst. prof. mgt, Texas, Austin, 48-53, chmn. dept, 53-57, assoc. prof, 53-64, asst. dean bus. col, 58-63; assoc. Hackman & Assoc, 64-67; PROF. MGT, OKLAHOMA, 67- Participant, Ford Found. summer seminar, Univ. California, 61. Psychol. Asn; Soc. Training & Develop; Acad. Mgt. Application of current behavioral science theory to specific organizational problems involved in the development of an effective management team. Publ: Co-auth, A new approach to business education: the human relations laboratory, Collegiate News & Views, 12/65. Address: 516 Terrace Place, Norman, Okla. 73069.

MUMPOWER, PROF. DANIEL L (EPPER), b. Wembo Nyama, Belgian Congo, May 28, 17; U.S. citizen; m. 46. PSYCHOLOGY. B.S. George Peabody Col, 39, M.A. 46; M.Ed. Missouri, 55, Ph.D. 57. Teacher, high sch, Ga, 39-41; Miss, 41-42, asst. prin. & chief couns, 46-49, couns., & teacher, 50-55; instr. Eng, Stephens Col, 49-50; couns, Missouri, 56-57; asst. prof. ed. & clin. psychologist, SOUTHWESTERN LOUISIANA, 57-67, PROF. ED, 67- Mil. Intel, 42-46, 51-52, 1st Lt. Psychol. Asn; Personnel & Guid. Asn. Prediction of academic success. Address: Box 324, University of Southwestern Louisiana, Lafayette, La. 70501.

MUNCH, PROF. PETER A (NDREAS), b. Nes, Norway, Dec. 19, 08; m. 34; c. 3. SOCIOLOGY, ANTHROPOLOGY. Cand. theol, Oslo, 32, Ph.D. (sociol), 46; Oxford, 33-34; Halle, 35-36; Chicago, 46. Asst. prof, Oslo, 39-43, 45-

- 46; Rockefeller Found. fel, 46-48; res. assoc. Wisconsin, 46-49; assoc. prof. sociol. St. Olaf Col, 49-51; prof. sociol. & anthrop. & chmn. dept. North Dakota, 51-57, dir. soc. sci. res. inst, 54-57; PROF. SOCIOL. SOUTHERN ILLINOIS, 57- Vis. prof. Syracuse, 66-67. Co-ed, The Sociol. Quart, 60-62, ed, 63-64. Mem. Norweg. sci. exped. Tristan da Cunha, 37-38, Soc. Sci. Res. Coun. restudy, 62, Nat. Sci. Found. restudy, 64-65. Sociol. Asn; Anthrop. Asn; Norweg. Archaeol. Soc. Sociological theory; collective identification; socio-cultural symbolism. Publ: Sociology of Tristan da Cunha; Country trade in Norway; Study of cultural change. Address: Dept. of Sociology, Southern Illinois University, Carbondale, Ill. 62901.
- MUNCY, PROF. LYSBETH W(ALKER), Mod. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MUND, PROF. VERNON A(RTHUR), b. Larchwood, Iowa, June 5, 06; m. 34; c. 1. ECONOMICS. A.B. Washington (Seattle), 28, M.A., 29; Jacobus fel, Princeton, 30-31, Ph.D., 32. Asst. prof. ECON. WASHINGTON (SEATTLE), 32-35, assoc. prof, 35-37, PROF, 37- Soc. Sci. Res. Coun. fel, 40-41; Fulbright scholar, Inst. Univ. Econ. & Commerce, Venice, Italy, 50-51 & res. grant, Rome, Italy, 66-67. Arbitrator, Boeing Airplane Co. & Aeronaut. Mech. Union, 43-48; economist, House of Rep, Hawaii, 61; Permanente Cement Co, summer, 61. Consult, small bus. cmt, U.S. House Rep, 50-51; U.S. Senate, 55-59; packers & stockyards div, U.S. Dept. Agr, 65-; Fed. Trade Cmn, 67-68. Trustee, Joint Coun. Econ. Ed, New York, 60-64. Econ. Asn. Economic theory; public policy. Publ: Government and business; Right to buy; Identical bid prices. Address: 415 W. Mercer St, Seattle, Wash. 98119.
- MUNDELL, DEAN M(ARION) CLARE, b. Jamesport, Mo, Jan. 6, 06. COMMERCE. B.S. Wyoming, 28, M.S., 39. Mgr. univ. filling sta, WYOMING, 28-35, instr, 34-40, asst. prof, 40-42, 46, assoc. prof, 46-47, PROF. COMMERCE, 47- DEAN COL. COMMERCE & INDUSTRY, 49- Chmn. Wyo. Export Expansion Coun & mem, Adv. Coun. Small Bus. Admin; mem. exec. cmt, Mid-continent Res. & Develop. Coun; Adv. Cmt. Econ. Ed; v-pres. west. region, Nat. Coun. Small Bus. Mgt, 66-67; Rocky Mt. States Develop. Coun, 65. Nat. silver award, Alpha Kappa Psi, 67. U.S.N.R., 42-46, Lt. Comdr. Admin. Mgt. Soc.(Leffingwell award, 66). Uniform accounting system for Wyoming County treasurers; joint responsibilities of educators and the accounting profession. Address: College of Commerce & Industry, University of Wyoming, P.O. Box 3275, University Station, Laramie, Wyo. 82070.
- MUNDHENKE, DR. HERBERT R(OLAND), b. Wheeling, Ill, Nov. 26, 95; m. 27; c. 3. ECONOMICS. A.B. Lawrence Col, 22; A.M. Illinois, 23; Ph.D. Iowa, 35. Asst. prof. econ, Lawrence Col, 23-26; Drake, 27-37; prof, Texas Christian, 37-66; RETIRED. U.S.A., 17-18. Regulation of motor trucking in Iowa. Address: 7023 Abrahamson Rd, R.R. 3, Ludington, Mich. 49431.
- MUNDY, DR. D(OROTHY) JEAN, b. St. Louis, Mo, July 17, 30. PSYCHOLOGY. B.S. St. Louis, 51, M.S., 52; Ph.D. Catholic Univ. 60. Instr. psychol, Rosemont Col, 52-53; clin. psychologist, Columbus State Hosp, Ohio, 53-55; trainee, Vet. Admin, 56; assoc. prof. psychol. & head guid, Marymount Col. (N.Y.), 58-64; ASSOC. PROF. PSYCHOL. LONG ISLAND, 64-; SR. CLIN. PSYCHOLOGIST, ST. VINCENT'S HOSP, 64- Psychol. Asn; Int. Coun. Psychol. Diagnostic psychological testing; projective drawings. Publ: Preliminary investigation of self-acceptance as related to adult education group choice & Conformity to group judgment in relation to the assumed similarity of members to each other, Newsletter Coop. Res. Psychol. Address: Dept. of Psychology, Long Island University, Brooklyn, N.Y. 11201.
- MUNDY, PROF. JOHN P(RICE), b. Harrisonburg, Va, Feb. 13, 17; m. 42; c. 1. PSYCHOLOGY. B.A. Bridgewater Col, 40; M.A. Virginia, 48; Ph.D.(psychol), George Washington, 52. Psychol. exam, Virginia, 45-49; counsr, George Washington, 49-51; res. psychologist, U.S. Dept. Army, 51-58, sr. tech. adv, U.S. Army Enlisted Eval. Center, 58-61; dir. tech. ops, Adj. Gen. Res. & Develop. Command, 61-64; dir. personnel, Space Conditioning Inc, 64-66; PROF. PSYCHOL. & HEAD DEPT, MADISON COL.(VA), 66- Prof. lectr, American Univ, 51-58. Psychol. Asn; Personnel & Guid. Asn; Voc. Guid. Asn; Nat. Ed. Asn. Personnel research; test construction; immediate effect of alcohol upon intelligence. Publ: Student with impaired hearing; Background, functions, and attitudes of six types of counselors; Development of the armed forces qualification test. Address: Dept. of Psychology, Madison College, Box 576, Harrisonburg, Va. 22801.
- MUNGER, DR. ALLYN M(ILES), b. Hartford, Conn, Jan. 23, 22; m. 56. PSYCHOLOGY. B.A. Tulane, 46, Ph.D.(psychol), 51. Clin. trainee psychol, Vet. Admin, 46-50; res. consult, Richardson, Bellows, Henry & Co, 50-52; adv. E.R. res, Standard Oil Co, N.J., 52-58; compensation coordinator, Esso Standard Oil Co, S.A.M., 58-62; ASSOC. DIR. INDUSTRY SERV. PSYCHOL. CORP, 62- Seminar assoc, Columbia, 57-62. Mem. bd. trustees & v-pres, Am. Bd. Exam. Prfnl. Psychol, 62-66. U.S.A.A.F., 42-46. Psychol. Asn. Management selection; training and development and organization analysis. Address: 71 Shore Rd, Old Greenwich, Conn. 06870.
- MUNGER, PROF. EDWIN S(TANTON), b. Chicago, Ill, Nov. 19, 21; m. 58. GEOGRAPHY. Noyes fel, Chicago, 40-43, M.Sc., 48, Ph.D.(geog), 51; Fulbright scholar, E.Africa, 49. Res. assoc, Chicago, 51-61; PROF. GEOG. CALIF. INST. TECH, 61- Assoc. Inst. Current World Affairs, 50-54; African correspondent, Am. Univs. Field Staff, 54-61; Africa field consult, Peace Corps. Mem. Africa Cmt, Nat. Acad. Sci, 65- U.S.A., 43-46. Asn. Am. Geog. African Studies Asn. Political and economic issues in sub-Saharan Africa. Publ: African Field reports, 1952-61, Struik; Bechuanaland, 65 & Afrikaner and African nationalism, 67, Oxford. Address: Division of Humanities, California Institute of Technology, Pasadena, Calif. 91109.
- MUNGER, PROF. FRANK J, b. Ft. Worth, Tex, Sept. 18, 29; m. 57. POLITICAL SCIENCE. B.S. Northwestern, 51; M.P.A. Harvard, 53, Ph.D., 56. Instr. POLIT. SCI. SYRACUSE, 55-58, asst. prof, 56-61, from assoc. prof. to PROF, 61- Polit. Sci. Asn. Political behavior in the United States. Publ: Co-auth, River basin administration and the Delaware, New York politics & Decisions in Syracuse. Address: Dept. of Political Science, 103 Maxwell Hall, Syracuse University, Syracuse, N.Y. 13210.
- MUNGER, DR. PAUL F(RANCIS), b. Ohio, Oct. 26, 15; m. 42; c. 2. EDUCATIONAL PSYCHOLOGY. M.A. Ohio State, 40; Toledo, 47-50; Ph.D.(ed), Michigan, 54. Asst. curator archaeol, St. Louis Acad. Sci, Mo, 40-41; asst. to curator archaeol, univ. mus, Ohio State, 41; voc. counsr, Vet. Admin. Guid. Center, Toledo, Ohio, 46-48, counsr-in-charge, 53-57; asst. prof. psychol, Toledo, 48-52; assoc. prof, North Dakota, 57-59, prof. psychol. & dir. counsr. ed, 59-63; PROF. COUNSELING & GUID. & CHMN. DEPT. INDIANA, 63- Lectr, Toledo, 53-57. Consult, U.S. Dept. Labor, 64-; U.S. Off. Ed, 65-; U.S. Dept. Defense, 68- U.S.A.A.F., 42-46, Lt. Fel. Psychol. Asn; Personnel & Guid. Asn; Asn. Counsr. Ed. & Supv.(pres, 67-68). Counseling and guidance; mental health; counselor education; client milieu. Publ: Guidance for rural schools, Education; Changes in attitude resulting from an eight week NDEA counseling and guidance institute, Personnel & Guid. J; co-auth, Collegiate persistence of upper and lower third high school graduates, J. Counseling Psychol. Address: Education Bldg, Indiana University, Bloomington, Ind. 47401.
- MUNK, DR. FRANK, b. Kutna Hora, Czech, May 26, 01; nat; m. 25; c. 2. INTERNATIONAL RELATIONS. Rockefeller Found. fel, Harvard, Columbia & Brookings Inst, 31-33; M.Com. & Sc.D. Prague, 36. Lectr. econ, California, 41-44; dir. training, UNRRA, 44-46; prof. polit. sci, Reed Col, 49-65; ASSOC. DIR. CENT. EUROPE STUDIES CENTER, PORTLAND STATE COL, 65- Dean, Northwest Inst. Int. Rels, 47-50; dir. Zagreb Inst, Univ. Zagreb & Portland State Col, 67-68. Consult, U.S. Air Force, 51 & 53; adv. Radio Free Europe, 58-60. Pres, World Affairs Coun, Ore, 51-55; mem. res. coun, Atlantic Inst, 60-63. Polit. Sci. Asn; Econ. Asn; Acad. Polit. & Soc. Sci. Economics and politics of totalitarianism; economics of force; legacy of Nazism. Address: Dept. of Political Science, Portland State College, Portland, Ore. 97207.
- MUNKRES, DR. ROBERT L(EE), b. Omaha, Nebr, Aug. 18, 30; m. 62. POLITICAL SCIENCE. A.B. Nebr. Wesleyan, 52; M.A. Nebraska, 54, Johnson fel, 55-56, Ph.D.(polit. sci), 56. Instr. POLIT. SCI. exten. div, Wisconsin, 56-60; ASST. PROF. MUSKINGUM COL, 60- Polit. Sci. Asn; Acad. Polit. & Soc. Sci. International relations; frontier politics and history; political theory. Publ: Independence Rock and Devil's Gate, Ann. Wyoming, 4/68. Address: Dept. of Political Science, Muskingum College, New Concord, Ohio 43762.
- MUNN, DR. NANCY D, b. New York, N.Y., Apr. 13, 31. ANTHROPOLOGY. B.A. Oklahoma, 51; M.A. Indiana, 55; Fulbright fel, Australian Nat. Univ, 55-58, Am. Asn. Univ. Women fel, 59-60, Ph.D., 61. Soc. Sci. Res. Coun. res. grant, 60-61; instr. ANTHROP. Bennington Col, 61-66; ASST. PROF. MASSACHUSETTS, AMHERST, 66- Fel. Am. Anthropol. Asn; fel. Anthropol. Inst. Gt. Brit. & Ireland. Australian aborigines; problems in comparative art; symbol theory. Publ: Walbiri graphic signs: an analysis & Visual categories: an approach to the study of representational systems, 8/66, Am. Anthropologist; Totemic designs and group continuity in Walbiri cosmology, In: Aborigines now, Angus & Robertson, 64. Address: Dept. of Sociology & Anthropology, University of Massachusetts, Amherst, Mass. 01002.
- MUNN, DR. NORMAN L(ESLIE), b. Adelaide, S.Australia, Nov. 12, 02; m. 29; c. 1. PSYCHOLOGY. B.S. Springfield, Col, 27, Sc.D., 54; A.M. Clark, 28, fel, 28-29, Ph.D.(psychol), 30. Asst. prof. PSYCHOL. Pittsburgh, 29-36; prof, Peabody Col, 36-38; Vanderbilt, 38-46; Bowdoin Col, 46-63; HON. PROF, ADELAIDE, 63- AAAS; fel. Psychol. Asn. Experimental psychology; animal behavior; learning. Publ: Handbook of psychological research on the rat; Psychology; Evolution and growth of human behavior. Address: Dept. of Psychology, University of Adelaide, Adelaide, Australia.
- MUNNEKE, PROF. LESLIE E, b. Elmira, Ill, Dec. 25, 18; m. 42; c. 2. INDUSTRIAL RELATIONS. B.A. Coe Col, 40; M.A. Iowa, 47, Ph.D., 55. Asst. prof. corp. finance, Western Reserve, 48-50; assoc. prof. bus. admin. & econ, Millikin, 51-55, prof. bus. admin. & econ. & chmn. dept. bus. admin, 55-56; PROF. MGT, HOUSTON, 56- Dir. training prog. human rels, Lehn & Fink, Inc, 55. Consult, Southwest Exec. Develop. Prog, 59-; Insts. Orgn. Mgt, 62-; U.S. Chamber Commerce, 62-; Ment. Health Inst, 67; Exec. Develop. Prog, Spring Hill Col, Am. Col. Hosp. Adminstr, Manned Spacecraft Center & Tex. Hosp. Personnel Adminstr, 68. Med.C. U.S.A., 43-45. Labor legislation; personnel management; labor economics. Publ: Supervisors and the Taft-Hartley Law, Mgr. Key, 63; Motivation through management, Personnel J, 68; Communication: a tool for personal development, Tex. Hosps, 68. Address: 8015 Glen Loch, Houston, Tex. 77017.
- MUNRO, DR. BARRY CARTWRIGHT, b. Moose Jaw, Sask, June 7, 28; m. 53; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. Saskatchewan, 49, B.Ed., 51; M.Ed. Alberta, 57, Ph.D., 59. Asst. prof. ED. PSYCHOL. BRITISH COLUMBIA, 59-66, ASSOC. PROF, 66- Psychol. Asn; Ed. Res. Asn. Classroom learning; testing and measurement in education; teacher selection. Publ: Co-auth, Educational psychology, Copp Clark, 66; auth, Meaning and learning, Alta. J. Ed. Res; The MTAI as a predictor of teaching success, J. Ed. Res, 64. Address: 2662 McBain Ave, Vancouver 8, B.C., Can.
- MUNRO, DR. JOHN HENRY ALEXANDER, Medieval European Econ. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MUNSINGER, DR. HARRY L(EE), b. Spaulding, Nebr, Jan. 16, 35; div; c. 3. PSYCHOLOGY. B.A. California, Berkeley, 56; M.A. Oregon, 60, Ph.D.(psychol), 62, Nat. Insts. Health fel, Yale, 62-63; asst. prof. PSYCHOL. Illinois, Urbana, 63-66; ASSOC. PROF. CALIFORNIA, SAN DIEGO, 66- Soc. Sci. Res. Coun. summer fel. ed. res, 65. Consult, San Diego Pub. Schs, 66- Psychol. Asn; Psychonomic Soc; Soc. Res. Child Develop; Psychomet. Soc. Perceptual and cognitive development, especially ability to process complex perceptual input, the relation between perceptual abilities and curiosity, and the application of simple mathematical models to perceptual processes. Publ: Co-auth, The identification of form in patterns of visual noise, J. Exp. Psychol, 75: 81-87, Infants' and young children's preference for complexity, J. Exp. Child Psychol, 5: 69-73 & Pattern perception in the human newborn: a close look at some positive and negative results, In: symp, Models for the perception of speech and visual form, Mass. Inst. Tech, 67. Address: Dept. of Psychology, University of California at San Diego, P.O. Box 109, La Jolla, Calif. 92037.

- MUNSON, PROF. BYRON E(DWIN), b. Elliot, Ill, June 6, 21; m. 45; c. 4. SOCIOLOGY. B.S. Illinois, 49, M.A. 50, Ph.D.(sociol), 54. Res. assoc., Illinois, 50-53, asst. sociol, 51-54; from asst. prof. to assoc. prof., North Texas State, 54-58; assoc. prof. sociol. & supvr. community develop., Ohio State, 58-63, prof. & dir. center community & regional anal, 63-67; PROF. SOCIOLOG. & ANTHROP. & HEAD DEPT., EASTERN ILLINOIS, 67- U.S.N., 44-45. Fel. Sociol. Asn. Basic community structure, social psychology, racial riots, housing and other urban problems. Pubs: Changing community dimensions, Ohio State Univ, 67; Attitudes toward urban and suburban residence in Indianapolis, Soc. Forces; Personality differentials among urban, suburban and rural children, Rural Sociol. Address: 1822 University Dr, Charleston, Ill. 61920.
- MUNSON, DR. FRED CALEB, b. Groton, N.Y., Aug. 19, 28; m. 53; c. 4. ECONOMICS, INDUSTRIAL RELATIONS. B.S., Cornell, 52; Soc. Sci. Res. Coun. fel, 58-59; Ph.D., Mass. Inst. Tech., 59. Employee rels. officer, Standard-Vacuum Oil Co, 52-55; instr. personnel, Boston, 57-59; asst. prof. INDUST. RELS., MICHIGAN, 59-63, ASSOC. PROF., 64- Ford Found. consult, Shri Ram Center Indust. Rels, New Delhi, India, 65-66. Econ. Asn.; Indust. Rels. Res. Asn. Labor economics; organization theory; leadership practices in union organizations. Publ: Labor relations in the lithographic industry, Harvard, 63; History of the lithographers union, Wertheim Cmt, 63. Address: Dept. of Industrial Relations, University of Michigan, Ann Arbor, Mich. 48107.
- MUNSON, PROF. HAROLD LEWIS, b. Windham, N.Y., Aug. 2, 23; m. 46; c. 2. EDUCATIONAL PSYCHOLOGY. B.A., Hobart Col, 47; M.A., State Univ. N.Y., 48; Ed.D.(guid. & counseling), N.Y. Univ, 61. Teacher, Cairo Cent. Sch, 48-50; dir. guid., Williamson Cent. Sch, 50-54; assoc. supvr. guid., State Ed. Dept. N.Y., 54-59; asst. prof. ed., ROCHESTER, 59-61, assoc. prof. ed. & chmn. student personnel serv, 61-66, PROF. ED. & CHMN. DEPT. GUID. & STUDENT PERSONNEL, 66- Mem. Interdisciplinary Res. Cmn. Pupil Personnel Serv, 67- U.S.N., 44-46. Personnel & Guid. Asn.; Asn. Counsr. Ed. & Supv. Classroom teacher's role in guidance and counseling; opportunities for guidance in the academic subject classroom; development of the self-concept. Publ: My educational plans; co-auth, Organizing orientation activities; contrib, How to get into college and stay there. Address: University of Rochester College of Education, Rochester, N.Y. 14627.
- MUNSON, W. A., Acoustics, see 11th ed, Phys. & Biol. Vols.
- MUNTSCH, REV. ALBERT, S.J., Sociol, see 10th ed, Soc. & Behav. Vols, deceased 67.
- MUNTZ, DR. A(LFRED) PHILIP, b. Newfoundland, N.J., June 16, 28; m. 53. GEOGRAPHY. B.Sc., Rutgers, 50; M.Sc., Wisconsin, 52, fel, 53-54, Ph.D. (geog), 59. Asst. prof. geog., Pa. State, 57-58; geogr. U.S. Dept. Agr, 58-59; archivist, NAT. ARCHS., 59-60, chief, cartog. br, 60-66, DIR. SPEC. RECORDS DIV, 66- U.S.A., 55-56. Asn. Am. Geog. Soc. Am. Archivists. Physical geography, especially plant distributions and glacial landforms; historical geography of North America; historical cartography. Publ: Recent glacier activity in the Taku inlet area, Southeastern Alaska, Arctic; Forests and iron: the charcoal iron industry of the New Jersey highlands, Geografiska Annaler; Union mapping in the American Civil War, Imago Mundi, 63. Address: National Archives, Eighth & Pennsylvania Ave. N.W., Washington, D.C. 20408.
- MUNTZ, PROF. EARL E(EDWARD), Econ, Sociol, see 10th ed, Soc. & Behav. Vols, deceased 65.
- MURAD, DR. AHMAD ASAD, b. Safad, Palestine, Dec. 27, 27; m. 58. ECONOMICS. B.A., Washington State, 56; M.S., Wisconsin, 60, Ph.D.(econ), 61. Asst. prof. ECON., Kenyon Col, 61-63; Eastern Illinois, 63-64; ASSOC. PROF., American Univ. Cairo, 64-65; EASTERN ILLINOIS, 65- Summer grants, Gen. Elec. Found, 63, American Univ. Cairo, 65. Econ. Asn. International economics; economic growth and development of underdeveloped countries, especially those of the Middle East. Address: Dept. of Economics, Eastern Illinois University, Charleston, Ill. 61920.
- MURAD, PROF. ANATOL, b. Vienna, Austria, Dec. 4, 04. ECONOMICS. B.S., Columbia, 31, M.S., 32, Ph.D., 39. Instr. ECON., Rutgers, 37-39, assoc. prof, 46-58; asst. prof., Southern California, 39-46; PROF., PUERTO RICO, 58- Econ. Asn. Money; economic theory. Publ: Economics, principles and problems; Private credit and public debt; What Keynes means. Address: Faculty of Social Sciences, University of Puerto Rico, Rio Piedras, P.R. 00931.
- MURANS, DR. FRANCIS, b. St. Petersburg, Russia, Oct. 17, 15; nat. ECONOMICS. B.A., Latvia, 41; M.B.A., Detroit, 52; Ph.D.(econ), Mich. State, 57. Instr. bus. admin. & Russian, Carroll Col.(Mont), 52-53; asst. ECON., Mich. State, 53-55, instr., 55-57; Loyola (Ill), 57-58, asst. prof., 58-66; ASSOC. PROF., WIS. STATE, STEVENS POINT, 66- AAAS; Econ. Asn. Comparative economic systems; economic development; history of economic thought. Address: 1809 Fourth Ave., Apt. 12, Stevens Point, Wis. 54481.
- MURAWSKI, DR. BENJAMIN J(JOSEPH), b. Pittsfield, Mass., Jan. 20, 26; m. 51; c. 1. CLINICAL PSYCHOLOGY. A.B., Clark, 49; Ph.D., Harvard, 54. Res. assoc. PSYCHOL., HARVARD MED. SCH., 55-67, ASST. CLIN. PROF., 67-; DIR. PSYCHOL. TESTING LAB., PETER BENT BRIGHAM HOSP., BOSTON, 65-, psychologist, 55-65. Part-time field assessment officer, Peace Corps, 64- Dipl. Am. Bd. Exam. Prinl. Psychol. U.S.A., 44-46. AAAS; Psychol. Asn. Psycho-endocrinological relationships; psychosomatic medicine and the effect of biological periodicities on personality functioning; normal personality; development of individuality in twins; psychological aspects of hypertension. Publ: Co-auth, Differences in individual development within a pair of identical twins, Int. J. Psychoanal, 66; auth, Daily correlation of adrenal steroids and alpha frequency in the EEG, J. Appl. Physiol, 66; An investigation of mood states in women taking oral contraceptives, J. Fertility & Sterility, 67. Address: 314 Dover Rd., Westwood, Mass. 02090.
- MURDICK, PROF. ROBERT G(ORDON), b. Philadelphia, Pa., Aug. 26, 20; m. 42; c. 2. INDUSTRIAL & MARKETING MANAGEMENT. A.B., Duke, 41; M.S., Rensselaer Polytech, 60; Ford Found. fel., Florida, 60-62, Ph.D.(mkt), 62. Engr., aeronaut. & ord. systs. div., Gen. Elec. Co, 46-51, supvr. tech. reports, Knolls Atomic Power Lab, 51-55, tech. adminstr., 55-59, tech. info. specialist, 59-60, mgr. mkt. res., Randac Sys., N.Y., 61; PROF. MGT., Louisville, 62-63; STATE UNIV. N.Y. ALBANY, 63- Consult, Hazelwood Tuberc. Hosp., Louisville, Ky, 62; Louisville Regional Off., Vet. Admin, 63; Univ. Santiago, Dominican Republic, 63; U.S. Navy Marine Eng. Lab., Md, 64. U.S.A.A.F., 43-46, 2nd Lt. Inst. Mgt. Sci.; Econ. Asn.; Mkt. Asn. Managerial economics; operations research; long-range planning on a continuing basis; philosophy, concepts and practice of research in business. Publ: Co-auth, Managing engineering and research, Indust. Press, 63; Sales forecasting for lower costs and higher profits, Prentice-Hall, 67; The management of capital expenditures, McGraw, 68. Address: School of Business, State University of New York at Albany, Albany, N.Y. 12203.
- MURDOCH, PROF. BERNARD C(ONSTANTINE), b. Greensboro, N.C., Dec. 5, 17; m. 46; c. 4. EDUCATIONAL PSYCHOLOGY. B.S., Appalachian State Teachers Col, 38; M.Ed., Cincinnati, 39; Ph.D.(ed. psychol), Duke, 42; N.Y. Univ, 42-43. Teacher, high sch., N.C., 45-46; prof. ed. & psychol. & acad. dean, Presby. Col.(S.C.), 46-48; staff assoc. & res. supvr., Am. Coun. Ed., 48-50; dean, Muskingum Col., 50-54; PROF. PSYCHOL. & HEAD DEPT., WESLEYAN COL.(GA), 54- Exten. prof., South Carolina, 46-47; prof., Mercer, 55, 57 & 60. Dir. testing & guid. bur., Vet. Admin. Center, Charlotte, N.C., 45-46; private practice, 54- U.S.A.A.F., 42-45. AAAS; Psychol. Asn. Correlation of various factors with success in college; normative surveys of college students and faculty; statistical trends regarding students and faculty in college; application of psychological principles to education, medicine, law, marriage, communication media and religion. Publ: The consistency of test response, Duke, 42; co-auth, The production of scientists, Am. Coun. Ed., 50 & Analysis of a professional organization, Report Am. Ed. Res. Asn. Address: 1241 Adams St., Macon, Ga. 31201.
- MURDOCK, DR. KATHARINE, Ed. Psychol, see 10th ed, Soc. & Behav. Vols.
- MURDOCK, DR. B(ENNETT), b. Meriden, Conn., Jan. 15, 01; m. 24; c. 1. STATISTICS. A.B., Yale, 23, M.A., 32, Ph.D.(math), 34. Mem. actuarial dept., Prudential Ins. Co. Am., 34-43, asst. mathematician, 43-49, sr. res. analyst, 49-64; RETIRED. Lectr., exten. div., Rutgers, 46-53, 66-; Drew, 63-66. Soc. Actuaries; Soc. Qual. Control; Asn. Comput. Mach.; Acad. Actuaries; Math. Asn. Mathematical statistics; curve fitting; quality control. Address: 30 Beverly Rd., Madison, N.J. 07940.
- MURDOCK, PROF. GEORGE PETER, b. Meriden, Conn., May 11, 97; m. 25; c. 1. ANTHROPOLOGY. A.B., Yale, 19, Ph.D.(sociol), 26. Instr. sociol., Maryland, 25-27; asst. prof., Yale, 28-34, assoc. prof. ethnol., 34-39, prof. anthrop., 39-60, dir. cross-cultural surv., inst. human rels., 37-46; MELLON PROF. ANTHROP., PITTSBURGH, 60- Ed. Ethnology; 62- Am. Anthropol. Asn. rep., Nat. Res. Coun., 42-45, chmn. div. behav. sci., 64-66. U.S.A., 19; U.S.N.R., 43-46, Comdr. Nat. Acad. Sci.; fel. Anthropol. Asn.(pres, 55); Soc. Appl. Anthropol.(pres, 47); Sociol. Asn.; Ethnol. Soc.(pres, 52). Ethnology of Africa, North America and Micronesia; social theory and organization. Publ: Our primitive contemporaries; Social structure; Africa. Address: Dept. of Anthropology, University of Pittsburgh, Pittsburgh, Pa. 15213.
- MURDOCK, DEAN JOHN C(AREY), b. Blackwell, Okla., Dec. 10, 22; m. 49; c. 2. ECONOMICS. B.S., Oklahoma, 47; M.S., Wisconsin, 51, Ph.D.(econ), 55. Instr. econ., MISSOURI, 51-53, asst. prof., 53-56, assoc. prof., 56-59, prof., 59-65, res. prof., 65-67, chmn. dept., 62-67, DEAN GRAD. SCH. & DIR. RES. ADMIN., 67- Res. fel., Community Studies, Inc., 60-61; mem., Ford Found. Seminar; NASA res. grant, 65-67. U.S.N.R., 43-46. Econ. Asn.; Regional Sci. Asn. Urban and regional economic development; location theory; spatial agglomeration; production and price theory. Publ: Co-auth, Research and regions, Univ. Missouri, 66; auth, Diminishing returns in the depletion of mines, Land Econ; Theory of urban economic organization, In: Approaches to the study of urbanization, Univ. Kansas, 64. Address: Office of the Dean, Graduate School, University of Missouri, Columbia, Mo. 65201.
- MURFIN, DR. F(ERN) L(EROY), Psychol, see 10th ed, Soc. & Behav. Vols.
- MURNEY, DR. ROBERT J(AMES), b. Springfield, Mo., Nov. 26, 25; m. 50; c. 5. PSYCHOLOGY. B.S., St. Louis, 50; M.A., Catholic Univ, 52, Ph.D. (psychol), 55. Staff psychologist, psychol. serv. bur., Georgetown, 54-55; chief psychologist, Children's Center, Laurel, Md., 55-58; coordinator of clin. psychol., psychol. serv., Vet. Admin. Hosp., Perry Point, Md., 58-62; chief psychologist, U.S. Med. Center for Fed. Prisoners, Springfield, 62-64; PSYCHOL. CONSULT., SPRINGFIELD PUB. SCH. SYST., 64- Lectr., grad. sch., Catholic Univ, 56-58; instr., St. John's Sch. Nursing, Springfield, 63-; private practice psychol., 64- Psychol. consult., U.S. Med. Center for Fed. Prisoners, 64- Dipl. clin. psychol., Am. Bd. Exam. Prinl. Psychol., 63. U.S.N., 43-46. Psychol. Asn. Perception language and thought pathology in aphasia validation studies of projective drawings in personal logical analyses. Publ: An investigation of the cognitive system-principles of leveling and sharpening and their relationship to selected personality variables. Address: 2251 S. Marian, Springfield, Mo. 65804.
- MURPHEY, PROF. RHODAS, III, b. Philadelphia, Pa., Aug. 13, 19; m. 42; c. 4. HUMAN GEOGRAPHY. A.B., Harvard, 41, M.A., 42 & 48, Soc. Sci. Res. Coun. fel, 48-50, univ. fel., 49-50, Ph.D.(geog), 50. Asst. prof. GEOG., Ohio State, 50-51; Washington (Seattle), 52-56, assoc. prof., 56-64; PROF., MICHIGAN, 64- Assoc. prof., Pennsylvania, 57-58; Guggenheim res. fel., U.K. & Asia, 66-67. Summers, assoc. prof., Harvard, 53, 61 & via. prof., Taiwan, 58. Regional chmn., Woodrow Wilson Fel. Found., 60- Am. Asn. Geog.; Am. Geog. Soc.; Asn. Asian Studies (rev. ed., J. Asian Studies, 59-61, ed., 62-); Soc. Ch'ing Studies. Economic problems and history of China; historical geography; Monsoon Asia; the treaty ports and the modernization process in East Asia. Publ: Introduction to geography; Shanghai: key to modern China, Harvard, 53; co-auth, A new China policy, Yale, 65. Address: Dept. of Geography, University of Michigan, Ann Arbor, Mich. 48104.
- MURPHEY, DR. ROBERT MILLARD, b. Memphis, Tenn., Jan. 4, 36; m. 56; c. 2. PSYCHOLOGY. B.S., New Mexico, 62; Ph.D.(psychol), Vanderbilt, 66. ASST. PROF. PSYCHOL., CALIFORNIA, DAVIS, 65- U.S.A., 54-57. AAAS;

Soc. Zool. Genetic and environmental correlates of *Drosophila* behavior; behavior taxonomy. Publ: A multilateral, multi-interaction approach to rumor analysis, *Psychol. Reports*, 64; Sequential alternation behavior in the fruit fly, *Drosophila melanogaster*, *J. Comp. & Physiol. Psychol.*, 66; Instrumental conditioning of the fruit fly, *Drosophila melanogaster*, *Animal Behav.*, 67. Address: Dept. of Psychology, University of California, Davis, Calif. 95616.

MURPHREE, DR. CLYDE ELWYN, b. Altoona, Ala., Oct. 29, 15; m. 45; c. 3. ECONOMICS. A.B., Alabama, 45; M.S.A., Florida, 50; D.P.A., Harvard, 57. Mkt. economist, Fla. Agr. Exten. Serv., 51-57; ASSOC. PROF. AGR. ECON. & ASSOC. AGR. ECONOMIST, FLORIDA, 57- U.S.A.F., 40-48, Lt. Col. Agricultural policy; production economics. Address: Dept. of Agricultural Economics, University of Florida, Gainesville, Fla. 32603.

MURPHREE, DR. ODDIST DELNO, b. Ark., Feb. 18, 23; m. 50; c. 2. PSYCHOLOGY. Ph.D., Cincinnati, 52. Clin. psychologist, VET. ADMIN. HOSP., 52-54, DIR. NEUROPSYCHIAT. RES., 58-; ASSOC. PROF. PSYCHIAT., ARKANSAS, 58- U.S.A.A.F., 43-45, 2nd Lt. AAAS; Psychol. Asn; Soc. Exp. Biol. & Med. General nervous system functioning; pathological behavior. Publ: Co-auth, Maze performance of mature rats recovered from early post-natal infection with Murray Valley encephalitis virus, *J. Comp. Physiol. Psychol.*, 59; auth, Genetically determined abnormal behavior in dogs, 67 & Effect of person in nervous stable and crossbred pointer dogs, 68, *J. Conditional Reflex.* Address: Veterans Administration Hospital, North Little Rock, Ark. 72114.

MURPHY, DR. ANNE AUSTIN, b. Greenville, Pa., Nov. 1, 25; div; c. 3. POLITICAL SCIENCE. B.A., Col. Wooster, 47; B.D., Yale, 53; Kent fel. & Am. Asn. Univ. Women grant, North Carolina, 63, Ph.D.(polit. sci), 68. Ed. dir, Amalgamated Clothing Workers, 48-49; indust. chaplain, E. Harlem Protestant Parish, 49; dir. activities, YWCA, Waterbury, Conn., 52-53, Winston Salem, N.C., 60-63; ed. hq. chapel, U.S. Army, Europe, 54-55; off. registrar, Wake Forest Col., 57-59; ASST. PROF. POLIT. SCI., FLA. PRESBY. COL., 66- Consult, Church-State Rels. Health & Welfare Prog., 66. Mem. N.C. Gov. Cmn. Status Women, 64; Campus Governance Proj., 67. Polit. Sci. Asn. Political aspects of anti-poverty program; metropolitan political cooperation; political socialization; sociology of religion. Address: 3900 53rd Ave. S, St. Petersburg, Fla. 33711.

MURPHY, DR. AUSTIN de la S(ALLE), b. New York, N.Y., Nov. 20, 17; m. 48; c. 2. ECONOMICS. A.B., St. Francis Col., 38; Hayden fel., Fordham, 38-40, M.A., 40, Ph.D.(econ), 49. Instr. econ, Georgetown, 41-42; sr. res. ed, State Dept. Labor, N.Y., 47-50; dean sch. bus. admin, Seton Hall, 50-55; O'Neill prof. Am. enterprise & dean, Canisius Col., 55-62; dir. ed. dept, Nat. Asn. Mfrs., 62-63; MANAGING DIR., SAVINGS BANKS ASN. OF NEW YORK STATE, 63- Statistician, Bd. Econ. Warfare, 42; lectr, Fordham, 46-55; N.Y. Univ., 49-51; dir, Buffalo Metrop. Develop. Surv., 58-62. Consult, Declan X. McMullen Col., 46-48; Monroe Calculating Co., 53-55; Houdaille Indus., 58-64; Am. Airlines, 58-59; Bell Aerosystems, 59-63. Trustee, Erie County Savings Bank, 61-64; Rockland Savings Bank & MSB Fund, Inc., 65- U.S.A., 42-46, Lt. Econ. Asn; Finance Asn. Business forecasting; policy and decision-making; executive selection, training and development. Publ: Co-auth, Social studies review book Declan X. McMullen Col., 46; auth, Reasons for relocation, Seton Hall, 55; Metropolitan Buffalo perspectives, Buffalo Develop. Found., 60. Address: 49 Brewster Rd, Scarsdale, N.Y. 10583.

MURPHY, DANIEL E(DWARD), b. Milwaukee, Wis., Jan. 20, 13; m. 40; c. 3. BUSINESS ADMINISTRATION, ECONOMICS. A.B., Stanford, 34, M.B.A., 35. Foreman, Procter & Gamble Mfg. Co., 35-38; div. mgr, Lockheed Aircraft Corp., 39-53; gen. mgr, Otto K. Oleson Co., 53-58; div. dir, Consol. Electrodynamics Corp., 58-61, gen. mgr. admin. & personnel, 61-65, V.PRES., CANOGA ELECTRONICS CORP., 65- Dir, Wiremold Co., Conn; dir, Energy Sys. Corp., Calif. Management; electronic development. Publ: Disposal of war surplus, *Aero Digest*; Applications of industrial television, *Int. Encyclop.* Britannica. Address: 1340 Old Mill Rd, San Marino, Calif. 91108.

MURPHY, DR. DANIEL P(ETER), b. Utica, N.Y., June 1, 30; M. 57; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A., Syracuse, 52; Ph.D.(psychol), Rochester, 59. Vis. instr. PSYCHOL, Rochester, 57; instr, Wesleyan Col., 57-58; DePaul, 58-59, asst. prof, 59-63; ASSOC. PROF., St. Francis Col., 63-65; Col. St. Thomas, 65-68; PURDUE, FT. WAYNE, 68- AAAS; Psychol. Asn. Verbal and motor learning; perception; research methodology. Address: Dept. of Psychology, Purdue University Ft. Wayne Campus, 2101 East U.S. 30, Ft. Wayne, Ind. 46805.

MURPHY, DR. DONALD B(RIAN), b. Des Moines, Iowa, June 12, 27; m. 52; c. 4. PSYCHOLOGY. A.B., Antioch Col., 49; M.A., Iowa, 51, Ph.D., 53. Res. scientist, HumRRO, 57-59, sr. scientist, 59-63; SYSTS. ANALYST, SYST. DEVELOP. CORP., 63- Lectr, California, Los Angeles, 65- U.S.A., 51-57, Res, 57-63, Capt. AAAS; Psychol. Asn; Human Factors Soc; Research Soc. Design of computer data; analysis systems; systems training; computer aided instruction. Publ: Co-auth, Design characteristics of computerized data reduction and analysis systems, 64 & Computer assisted learning for inservice teacher education, 67, *Syst. Develop. Corp.*; Reported visual sensations as a function of sustained sensory deprivation and social isolation, HumRRO, 65. Address: System Development Corp., 2500 Colorado Ave, Santa Monica, Calif. 90406.

MURPHY, DR. EARL FINBAR, Law, see 5th ed, *Dir. Am. Scholars*, Vol. IV, Philos., Relig. & Law.

MURPHY, ELENOR G(OULD), b. Minneapolis, Minn., July 2, 09; m. 40. ECONOMICS. B.B.A., Minnesota, 31, M.A., 33. Economist, Bur. For. & Domestic Commerce, 39-44; Smaller War Plants Corp., D.C., 44-46; U.S. For. & Domestic Commerce, 46; War Assets Admin., 46-47; int. financial economist on Scandinavia, U.S. Dept. State, 47-52; Int. Coop. Admin. specialist, NATO, France, 52; econ. statistician, U.S. Mission to NATO & European Regional Orgn., 52-54; private investment economist, 54-62; economist, bur. labor statist., U.S. Dept. Labor, 62-64; Econ. Assoc., D.C., 65; int. economist Greece, Porter Int. Co., D.C., 66-67; PRIVATE INVESTMENT ECONOMIST,

67- Econ. Asn. International private investments; taxation; underdeveloped countries; real estate; balances of payments; defense expenditures; economic forecasting. Publ: *Economic forces in the United States*, Bur. Labor Statist., U.S. Dept. Labor, 7th ed, 9/63. Address: 4520 Chesapeake St. N.W., Washington, D.C. 20016.

MURPHY, DR. GARDNER, b. Chillicothe, Ohio, July 8, 95; m. 26; c. 2. PSYCHOLOGY. A.B., Yale, 16; A.M., Harvard, 17; Ph.D.(psychol), Columbia, 23. Hodgson fel. psychol, Harvard, 22-25; lectr, Columbia, 21-25, instr., 25-29, asst. prof, 29-40; prof. & chmn. dept, City Col. New York, 40-52; DIR. RES. MENNINGER FOUND., 52- Consult, div. prog. surv., U.S. Dept. Agr., 42-45, U.S.A., 17-19. AAAS; fel. Psychol. Asn.(pres, 44). Psychology of personality; social psychology; parapsychology. Address: Menninger Foundation, Topeka, Kans. 66601.

MURPHY, DR. GEORGE L(AVELLE), Soc. Psychol., see 10th ed, *Soc. & Behav. Vols.*

MURPHY, PROF. HELEN AGNES, b. Natick, Mass., Feb. 2, 98. PSYCHOLOGY. B.S., Boston, 39, A.M., 40, Ed.D., 43. Assoc. prof. psychol., R.I. Col., 40-44; asst. measurements, BOSTON, 44-46, assoc. prof. PSYCHOL., 46-50, PROF., 50-, dir. ed. clin., 55-65. U.S. Off. Ed. res. grant, 64-65. Consult, Wellesley Pub. Schs., 65- Psychol. Asn. Educational methods, especially the learning process in relation to reading; measurement of school adjustment. Publ: Co-auth, Speech-to-print-phonics, Harcourt, 64; Murphy-Durrell diagnostic reading readiness test; Preventing first grade failure. Address: 4 Grove St, Natick, Mass. 01760.

MURPHY, DR. HENRY BRIAN MEGGET, b. Edinburgh, Scotland, Sept. 17, 15; m. 46; c. 5. PSYCHIATRY. M.B., Ch.B., Edinburgh, 38, M.D., 58; dipl. pub. health, London Sch. Hyg. & Trop. Med., 52; Ph.D.(sociol), New Sch. Soc. Res., 59. Med. supvr, displaced persons ops, UNRRA, 46-47; med. consult, Int. Refugee Orgn., 47-50; dir. student health serv., Univ. Malaya, 52-57; res. fel, Milbank Mem. Fund, N.Y., 57-59; asst. prof. PSYCHIAT., McGill, 59-62, ASSOC. PROF., 62- Brit. Army, 40-45, Capt. Social and transcultural psychiatry; refugee relief. Publ: Ed, Flight and resettlement, UNESCO, 55; auth, The cannabis habit: a review of recent psychiatric literature, *Bull. Narcotics*, 15: 15-24; Methodologie de recherche en socio-psychiatrie et en ethno-psychiatrie, *Encyclopedie Medico-Chirurgicale*, 65. Address: Dept. of Psychiatry, McGill University, Montreal, Que. Can.

MURPHY, DR. HENRY C(LIFFORD), b. New London, Conn., Aug. 15, 05. ECONOMICS. A.B., California, Los Angeles, 26; fel, California, 26-28, M.A., 27; Bodell & Co. fel, Brown, 30-31, Ph.D.(econ), 49. Investment res. asst. & asst. v-pres, Union Guardian Trust Co, Mich., 29-33; economist, Nat. Bank Detroit, 33-34; v-pres, Investment Counsel, Inc., 34-35; economist & asst. dir. res. & statist. div., U.S. Dept. Treas., 35-48; chief finance div. res. dept, INT. MONETARY FUND, 49-53, dep. dir. Asian Dept, 53-66, SR. ADV. FISCAL AFFAIRS DEPT., 66-, mem. mission, Chile, 50, chief missions, Asia, 54-65. Tech. adv. Govt. Iceland, 51; economist, subcm. monetary policy & mgt. pub. dept, Joint Cmt. Econ. Report, 51-52. Am. Econ. Asn; Statist. Asn; Finance Asn; Royal Econ. Soc. Public finance; money and banking; monetary theory and policy. Publ: National debt in war and transition. Address: 4201 Massachusetts Ave. N.W., Apt. 7088-W, Washington, D.C. 20016.

MURPHY, DR. J. CLARENCE, b. Montague, P.E.I., May 9, 11; m. 42; c. 1. SOCIOLOGY. B.A., Laval, 34; M.A., Catholic Univ., 38, Ph.D.(sociol), 40. Instr. SOCIOL, John Carroll, 40-42; asst. prof. SOCIOL, St. Dunstan's Univ. & Prince of Wales Col., 42-45, assoc. prof, 45-50; PROF., ST. DUNSTAN'S, 60-; ASSOC. PROF., PRINCE OF WALES COL., 67- Address: Dept. of Sociology, St. Dunstan's University, Charlottetown, P.E.I., Can.

MURPHY, JAMES M(ICHAE), O.P., b. Cambridge, Mass., Apr. 13, 20. SOCIOLOGY. A.B., Providence Col., 42; S.T.L. & S.T.Lr, Dominican Pontifical Inst., D.C., 50; Ph.D., Pontificio Athenae Anglicum, Rome, 57; A.M., Notre Dame, 52. Asst. theol, Notre Dame, 50-52; chmn. dept. sociol. Col. St. Mary of the Springs, 52-56; prof. sociol. & chmn. dept, PROVIDENCE COL., 57-67, V.PRES. IN CHARGE STUDENT RELS., 67- Social Asn. Social work; criminology; concept of values in sociology. Publ: Man and his right to own private property; Population problem and man's right to own private property. Address: Providence College, Providence, R.I. 02918.

MURPHY, DR. JANE M., b. Denver, Colo., Oct. 9, 29; m. 66. ANTHROPOLOGY. B.A., Phillips, 51; Ph.D.(anthrop), Cornell, 60. Admin. asst. ANTHROP. & SOC. PSYCHIAT, Cornell, 51-53, res. assoc, 53-63, ASST. PROF., med. sch., 63-65; SCH. PUB. HEALTH, HARVARD, 66- Vis. res. fel, Radcliffe Inst. Independent Studies, 62; hon. res. fel, dept. psychiat, Ibadan, 63; Joint Cmt. African Studies, Soc. Sci. Res. Coun. res. award, 63. Consult, Nat. Coun. Alcoholism, 62-63. Fel. Anthropol. Asn; African Studies Asn. Relationship of sociocultural factors to mental health. Publ: Co-auth, Psychiatric disorder among the Yoruba, 63 & Approaches to cross-cultural psychiatry, 65, Cornell; auth, Psychotherapeutic aspects of Shamanism on St. Lawrence Island, Alaska, *In: Magic, faith and healing*, Macmillan, 64. Address: Harvard School of Public Health, 55 Shattuck St, Boston, Mass. 02115.

MURPHY, PROF. J(OHN) CARTER, b. Ft. Worth, Tex., July 17, 21; m. 49. ECONOMICS. A.B., N.Tex. State Col., 43, B.S., 46; A.M., Chicago, 49, Ph.D. (econ), 55. Instr. bus. & econ, Ill. Inst. Tech., 47-50; ECON, Washington (St. Louis), 50-55, asst. prof, 55-57, assoc. prof, 57-62; PROF., SOUTHERN METHODIST, 62-, CHMN. DEPT., 68- Fulbright fel, Denmark, 52-53; sr. Fulbright lectr, Italy, 61-62; Ford Found. faculty res. fel, 57-58; vis. prof, Southern Methodist, 61; Bologna Center, sch. adv. int. studies, Hopkins, 61-62. UN tech. assistance expert, U.A.R., summer 64; mem. spec. field staff, Rockefeller Found., Thailand, 66-67. U.S.N.R., 43-45, Lt. Econ. Asn; Finance Asn; Economist. Soc; Soc. Econ. Develop; Royal Econ. Soc; Int. Peace Res. Asn. International economic relations; economic theory. Publ: Ed, Money in the international order, Southern Methodist Univ., 64; auth, Alternatives to key currencies, *Yale Rev.*, 63; State trading, *Int. Encyclop. Soc. Sci.*, 68. Address: Dept. of Economics, Southern Methodist University, Dallas, Tex. 75222.

MURPHY, DR. JOHN JOSEPH, b. Holyoke, Mass., July 10, 27; m. 52; c. 4. ECONOMICS, ECONOMIC HISTORY. A.B. Catholic Univ. 52; M.A. Yale, 53, Ph.D. (econ), 61. Instr. ECON, Yale, 54-57; asst. prof. CATHOLIC UNIV, 57-65; ASSOC. PROF., 65- Lectr. Indust. Col. Armed Forces, 62-; Wash. Int. Center, 63- Consult. ops. & policy res., 61- U.S.N., 45-48 & 50-51. Am. Econ. Assn; Econ. Hist. Assn; Royal Econ. Soc. American economic history and foreign economic policy; foreign aid; technological transfer. Publ: Entrepreneurship in the American clock industry, *J. Econ. Hist.* 6/66; Church and economic life, In: *Church in the world*, Bruce, 67; Transfer of technology: retrospect and prospect, In: *The transfer of technology to developing nations*, Praeger, 67. Address: Dept. of Economics, College of Arts & Sciences, Catholic University of America, Washington, D.C. 20017.

MURPHY, DR. JOHN V(ANCE), b. Stratton, Colo., Sept. 27, 23; m. 48; c. 2. PSYCHOLOGY. B.A. Utah, 48, M.A., 50; Ph.D. (psychol), Pittsburgh, 53. Lectr. psychol, Pittsburgh, 52-53; res. instr., 53-54, res. asst. prof., 54-58; HUMAN FACTORS SCIENTIST, SVST. DEVELOP. CORP., 58- U.S.A.A.F., 43-45. Psychol. Assn; Research Soc. Learning; physiology. Publ: Interanimal conditioning in the monkey, *J. Comp. Physiol. Psychol.*; Spaced and massed practice with methodological consideration of avoidance learning & Spatial contiguity of cue, reward and response in discrimination learning by children, *J. Exp. Psychol.* Address: 22940 Darien St, Woodland Hills, Calif. 91364.

MURPHY, DR. JOSEPH S(AMSON), b. Newark, N.J., Nov. 15, 33; m. 54; c. 2. POLITICAL PHILOSOPHY. A.B. Olivet Col., 55; Woodrow Wilson fel., 55-56; North Carolina, 55-56; fel. Brandeis, 56-58, M.A., 58, Ph.D., 61. Instr. polit., Brandeis, 58-59, philos., 59-61, asst. prof. polit., 62-65, asst. dir. commun. res. center, 61-65; dir. Virgin Islands Peace Corps Training Proj., 65-67; confidential asst. in ed. Dept. Health, Ed. & Welfare, 67; ASSOC. DIR. PLANS & PROGS, JOB CORPS, OFF. ECON. OPPORTUNITY, 67- Lectr. Boston Center Adult Ed., 59-62; Peace Corps training officer, 62-, dir. Peace Corps, Ethiopia, 68-72. Assoc. mem. Am. Coun. Learned Soc., 60-62. AAAS; Philos. Assn; Orthopsychiat. Assn; Polit. Sci. Assn. Philosophy of social science; systematic analysis of political concepts from a philosophical point of view. Publ: The theory of universals; Political theory—a conceptual analysis, Dorsey, 68. Address: 4915 30th Place N.W., Washington, D.C. 20008.

MURPHY, DR. JUANITA, b. Granite, Okla., May 24, 30. MEDICAL SOCIOLOGY. A.B. Oklahoma Baptist, 55; M.S. Western Reserve, 61, Ph.D. (sociol), 67. Supvr. operating room, Enid Gen. Hosp., Okla., 55-56; dir. nurses, Southwest Baptist Hosp., Mangum, 56-57; nursing serv., Okla. Gen. Hosp., Clinton, 57-59; asst. dir., Highland View Hosp., Cleveland, Ohio, 60-62; CO-PROJ. DIR. GRAD. NURSE SCIENTIST TRAINING PROG., MED. CENTER, KANSAS, 66- Consult. dept. nursing, Highland View Hosp., 62-63; Vet. Hosp., Topeka, Kans. Sociol. Assn. Theory of formal organizations and of occupations and professions. Address: Graduate Nurse Scientist Training Program, University of Kansas Medical Center, Kansas City, Kans. 66103.

MURPHY, DR. KATHERINE M(ERCEDES), b. Beacon, N.Y., Feb. 3, 18. SOCIOLOGY. B.S. N.Y. Univ., 39; M.A., Fordham, 43, scholar, 43-45, Ph.D. (sociol), 53. Asst. prof. SOCIOL., MARYMOUNT COL., 45-55, ASSOC. PROF., 55- Fel. Sociol. Assn. Social institutions; criminology. Publ: The intelligence factor in criminality of women, *Am. Cath. Sociol. Rev.*, winter 63. Address: Dept. of Sociology, Marymount College, Tarrytown, N.Y. 10591.

MURPHY, DR. LAWRENCE E, b. San Francisco, Calif., Jan. 8, 37; m. 62; c. 1. PSYCHOLOGY. B.S. San Francisco, 61; M.A. Arizona, 63, Ph.D. (psychol), 65. Cent. off. technician, Pac. Tel. Co., 55-60; asst. PSYCHOL., Arizona, 61-65; ASST. PROF., SAN FRANCISCO, 65- Nat. Inst. Ment. Health res. grant, 65-66. U.S.N.R., 55-63. Psychol. Assn. Information processing; activation theory; time perception; concept identification. Publ: Absolute judgments of duration, *J. Exp. Psychol.*, 66; Muscular tension, activation level, and reaction time, *Am. Psychol. Assn. Convention Proc.*, 66. Address: Dept. of Psychology, University of San Francisco, San Francisco, Calif. 94117.

MURPHY, DR. LOIS B(ARCLAY), b. Lisbon, Iowa, Mar. 23, 03; m. 26; c. 2. PSYCHOLOGY. A.B., Vassar Col., 23; B.D. Union Theol. Sem., 28; Ph.D. (child psychol), Columbia, 37. Faculty mem. Sarah Lawrence Col., 28-52; RES. PSYCHOLOGIST, MENNINGER FOUND., 52-; SR. CONSULT., INFANT-REARING STUDY, CHILDREN'S HOSP. D.C., 67- Lectr. & res. assoc., Bank St. Col., 37-52; res. assoc., Beth Ha Yeled Nursery Sch., 43-45; lectr., City Col. New York, 47-51; William Alanson White Inst. Psychiat., 49-; Chicago Inst. Psychoanal., 54-56. Consult. reading clin., N.Y. Univ. & Bur. Intercultural Clin., 46; cmt. family life, Soc. Sci. Res. Coun., 49; B.M. Inst. Child Develop., India, 50-55; Nat. Inst. Child Health & Human Develop., 66-; North Topeka Day Care Center, 66- Mem. conf. early childhood, Nat. Inst. Ment. Health, 64-66; White House Task Force Infancy & Early Childhood, 67. Orthopsychiat. Assn; Soc. Proj. Tech. & Personality Assessment; Soc. Psychol. Study Social Issues; N.Y. Acad. Sci. Application of psychology to current social problems; war on poverty; prevention of retardation and emotional disturbance; personality development at infancy, pre-school, school age and adolescent levels; educational applications of mental hygiene; projective methods. Publ: Social behavior and child personality, Columbia, 37; Personality in young children, 2 Vols, 56 & The widening world of childhood: paths toward mastery, 62, Basic Books. Address: 915 25th St. N.W., Washington, D.C. 20037.

MURPHY, PROF. MARGARET NESBITT, b. Columbus, Ohio, Nov. 18, 09; m. 50. CHILD PSYCHOLOGY. B.A. Ohio State, 30, M.A., 31; Ph.D. (ed. psychol, child develop), Michigan, 42. Staff mem. CHILD DEVELOP., Merrill-Palmer Sch., 30-38; asst. prof., Maine, 38-44; PROF., PURDUE, 44-; head dept., 44-61. Psychol. Assn; Soc. Res. Child Develop; Home Econ. Assn. Interrelation of biological and psychological aspects in development of the individual. Publ: Co-auth. Growth and development of the young child; auth. Student and child relationships in the nursery school, Child Develop; co-auth. The family, education and child adjustment, Rev. Ed. Res. Address: Dept. of Child Development & Family Life, Purdue University, Lafayette, Ind. 47907.

MURPHY, PROF. MARY E(LIZABETH), b. Iowa City, Iowa, Aug. 14, 05. ECONOMICS. B.S.C. Iowa, 27; M.S. Columbia, 28; Ph.D. (econ), 38. Mem. staff, Lybrand, Ross Bros. & Montgomery, N.Y., 28-31; chmn. dept. commerce, St. Mary's Col. (Ind.), 31-34; asst. prof. econ., Hunter Col., 38-51; PROF. BUS. ADMIN., CALIF. STATE COL., LOS ANGELES, 51- Fulbright prof., Australia & New Zealand, 53; vis. prof., Northeastern, 67. Am. Econ. Assn; Am. Acct. Assn; Acad. Polit. & Soc. Sci.; Inst. Mgt. Sci.; Royal Econ. Soc.; Brit. Inst. Mgt. Accountancy; business administration; Britain and Commonwealth. Publ: The British accounting tradition in America; Auditing and theory: a C.P.A. review, 65 & Advanced public accounting practice, 66, Irwin. Address: 302 Grace Dr., South Pasadena, Calif. 91030.

MURPHY, DR. MARY MARTHA, b. Peru, Ind., Oct. 14, 09; wid. PSYCHOLOGY. B.S. Northwestern, 30; M.A. Chicago, 38, Ph.D. (psychol), 52. Teacher, pub. schs., Ind., 30-42; clin. psychologist, Manteno State Hosp., Ill., 45-51; South. Wis. Colony & Training Sch., 52-53; Vet. Admin. Center, Bath, N.Y., 54; State Colony, Woodbine, N.J., 55-57; Kent-Sussex Ment. Hyg. Clin., Dover & Georgetown, Del., 57-59; Southside Area Ment. Hyg. Clin., Petersburg, Va., 60-61; res. psychologist, Southeast La. Hosp., Mandeville, 61-65; ASST. PROF. PEDIAT., SCH. MED., MISSISSIPPI, 65- Assoc. Mississippi, Oxford, 67- Psychol. consult., St. Tammany Ment. Health Clin., Covington, La., 62-65; ment. retardation inserv. training prog., med. center, Alabama, 66- AAAS; Psychol. Assn; Asn. Ment. Deficiency; N.Y. Acad. Sci. Human development; play therapy; projective techniques. Publ: Sexual differentiation of male and female job applicants on the draw-a-person test & Rhythmical responses of low grade and middle grade mental defectives to music therapy, *J. Clin. Psychol.*; Diagnostic classifications, intellectual characteristics and parental occupations of five hundred severely deficient institutionalized males, *Am. J. Ment. Deficiency*. Address: 302 Colonial Circle, Jackson, Miss. 39211.

MURPHY, DR. MATTHEW J(OHN), b. Atlantic Highlands, N.J., Sept. 22, 11; m. 37; c. 2. EXPERIMENTAL & APPLIED PSYCHOLOGY. A.B. N.Y. Univ., 35, Ph.D., 40. Instr. bus. & indust. psychol., N.Y. Univ., 35-37, asst. prof., 37-40; asst. dir. indust. rels., radio div., Bendix Aviation Corp., 40-46; asst. v-pres. personnel, Abraham & Straus, Inc., 46-48; indust. rels. ed. Factory, McGraw-Hill Pub. Co., Inc., 48-53, ed-in-chief, 53-58; V.PRES. & PARTNER, SMYTH & MURPHY ASSOCS., INC., 58- AAAS; Psychol. Assn. Analysis of corporate organization structure; management job evaluation and salary administration; incentive programs for management; sales incentive programs. Publ: Co-auth. Job evaluation and employee rating & Bargaining with organized labor; auth. Flexible approach to management job evaluation, Personnel. Address: Smyth & Murphy Associates, Inc., 45 Rockefeller Plaza, New York, N.Y. 10020.

MURPHY, DR. ORVILLE T(HEODORE), Mod. European Hist. & Diplomacy, see 5th ed. Dir. Am. Scholars, Vol. I, Hist.

MURPHY, PROF. RAYMOND E(DWARD), b. Apple River, Ill., July 24, 98; m. 26; c. 1. GEOGRAPHY. B.S., Mo. Sch. Mines, 23; M.S., Wisconsin, 26, Ph.D. (geog.), 30. Head dept. geog. & geol., Concord State Teachers Col., 30-31; from asst. prof. to prof. geog., Pa. State Col., 31-45; Hawaii, 45-46; econ. geog., CLARK, 46-62, ed. Econ. Geog., 49-62, dir. grad. sch. geog., 62-65, PROF. ECON. GEOG. & ED. ECON. GEOG., 65- Assn. Am. Geog.; fel. Am. Geog. Soc.; Nat. Coun. Geog. Ed.; Royal Scottish Geog. Soc. Urban and economic geography; Micronesia. Publ: Central business district studies; The American city: an urban geography, 66 & Exercises in urban geography, 68, McGraw. Address: Graduate School of Geography, Clark University, Worcester, Mass. 01610.

MURPHY, PROF. RAYMOND J(OHN), b. Rochester, N.Y., May 20, 26; m. 51; c. 2. SOCIOLOGY. A.B. Rochester, 48, M.A., 50; fel. & Ph.D. (sociol), Northwestern, 55. Asst. prof. SOCIOL., North. Ill. State Col., 53-54; Lake Forest Col., 55-56; instr., CALIFORNIA, LOS ANGELES, 56-57, asst. prof., 57-63, ASSOC. PROF., 63-, asst. res. sociologist, indust. rels., 57-61. Summer asst. prof., Vanderbilt, 54. Sociol. Assn. Social stratification; minorities; occupational structure. Publ: Co-auth. Problems and prospects of Negro movement, Wadsworth, 66 & The structure of discontent, California, Los Angeles, Inst. Govt. & Pub. Affairs, 67; auth. Occupational situs, subjective class identification and political affiliation. Address: Dept. of Sociology, University of California, Los Angeles, Calif. 90024.

MURPHY, PROF. RICHARD E(RNEST), b. Hibbing, Minn., Sept. 21, 20; m. 49; c. 3. GEOGRAPHY. B.A., St. Lawrence, 43; M.A., George Washington, 52; fel. Clark, 54-55, Ph.D. (geog.), 57. Head reference sect., map div., Library of Cong., 50-54; from asst. prof. to assoc. prof. geog., George Washington, 55-59; assoc. prof., Wyoming, 59-62, prof., 63; vis. prof., Hawaii, 63-64; Nat. Sci. Found. sci. faculty fel., Sorbonne, 64-65; PROF. GEOG. & CHMN. DEPT., NEW MEXICO, 65- Fulbright lectr., Tohoku Univ., Japan, 68-69. Consult. logistics res. proj., U.S. Dept. Army, 55-56, res. scientist, qm. intel., 58-59; consult., Allyn & Bacon Pub., 66-; NASA Tech. Appln. Center, New Mexico, 67- Mem. Int. Geog. Union. U.S.A., 43-46. Assn. Am. Geog. Classifications and mapping of landforms; language areas and other factors delimiting cultural regions; world demographic regions; classification of political areas; conservation, especially wilderness areas. Publ: Geography: how adequate is the term? *Prinl. Geog.*; co-auth. Concept of a logistics system, Logistics Quart; auth. Landforms of the world, map suppl. 9, Ann. Assn. Am. Geog., 3/68. Address: 3521 Monte Vista Blvd. N.E., Albuquerque, N.Mex. 87106.

MURPHY, PROF. ROBERT DROWN, b. Jericho, Vt., Oct. 9, 17; m. 43; c. 3. COMMUNICATIONS. A.B., Syracuse, 38, M.A., 43, Ph.D. (polit. sci.), 51. Reporter, Mt. Vernon News, Ohio, 39-42; instr. journalism, Westminster Col., 42; ed. newspaper, Assoc. Press, 43-46; asst. prof. journalism, Syracuse, 46-51, assoc. prof., 51-61, prof., 61-65, chmn. newspaper dept., 51-65; PROF. JOURNALISM & DIR. SCH. COMMUN., KENTUCKY, 65-, ASSOC. DEAN, COL. ARTS & SCI., 66- Vis. prof., Stanford, 49. Consult. Gen. Elec. Co., 56; Univ. Massachusetts, 60; Fulbright grant consult., Nat. Univ. El Salvador, 64; consult., Univ. Tennessee, 67-68. Mem. membership cmt., Assn. for Ed. in Journalism, 67-68. Assn. Schs. & Depts. Journalism. Readership and audience analysis; public opinion; press and society; communication law. Publ: Reporting public problems, Chilton, 60; co-auth. The newspaper audience in Hudson County, New Jersey, 62 and auth. chap. In: Journalism

tomorrow, 58, Syracuse Univ. Address: School of Communications, University of Kentucky, Lexington, Ky. 40506.

MURPHY, COL. ROBERT E, U.S.A.F, b. Ahmeek, Mich, Apr. 27, 15; m. 47. PSYCHOLOGY. A.B. North. Mich. Col. 38; M.A. California, Los Angeles, 49; Ph.D. Hopkins, 58. U.S. AIR FORCE, 41-, chief eng. psychol. br, hq, Air Res. Develop. Command, 54-56, asst. chief human eng. br, Aerospace Med. Lab, 58-60, CHIEF BEHAV. SCI. DIV. HQ, AIR FORCE SYSTS. COMMAND, 60- AAAS; Psychol. Asn. Human engineering; psychological stress. Publ: Effects of threat of shock, distraction, and task design on performance, J. Exp. Psychol. Address: 135 Vinsant St, San Antonio, Tex. 78235.

MURPHY, PROF. ROBERT F(RANCIS), b. Rockaway Beach, N.Y., Mar. 3, 24; m. 50. ANTHROPOLOGY. A.B. Columbia, 49, Dyckman scholar, 50-51, Cutting traveling fel. & Soc. Sci. Res. Coun. fel, 52-53, Ph.D.(anthrop), 54. Res. assoc. ANTHROP, Illinois, 53-55; asst. prof. California, Berkeley, 55-61, assoc. prof, 61-63; PROF, COLUMBIA, 63- U.S.N, 43-46. Anthrop. Asn; Ethnol. Soc. Social structure; ethnology of South American and Africa. Publ: Headhunter's heritage; Mundurucu religion; Matrilocality and patrilineality in Mundurucu society, Am. Anthropologist. Address: Dept. of Anthropology, Columbia University, New York, N.Y. 10027.

MURPHY, SISTER ROSEANNE, S.N.D, b. San Rafael, Calif, Aug. 5, 32. SOCIOLOGY. B.A. Mt. St. Mary's Col.(Calif), 59; M.A. Stanford, 62; Ph.D.(sociol), Notre Dame, 65. Instr. sociol, COL. NOTRE DAME (CALIF), 60-62, asst. prof, 65-66, ACAD. DEAN, 66- Lectr, San Francisco, 66, 68; St. Patrick's Col, 67-68; assoc. Menninger Found. Sociol. Asn. Publ: Organizational change and the individual, summer 64 & Factors influencing the developmental pace of religious communities, fall 66, Sociol. Anal; co-auth, Organizational stance and change: a comparative study of three religious communities, Rev. Relig. Res, fall 66. Address: College of Notre Dame, Ralston Ave, Belmont, Calif. 94002.

MURPHY, DR. ROY EMERSON, Elec. Eng, Econs, see 11th ed, Phys. & Biol. Vols.

MURPHY, PRES. TERRENCE J(OHN), b. Watkins, Minn, Dec. 21, 20. POLITICAL SCIENCE. B.A. St. Paul Sem, 43; M.A. Minnesota, 56; Ph.D.(polit. sci), Georgetown, 59. Instr. polit. sci, COL. ST. THOMAS, 54-60, asst. prof, 61-66, PRES, 66- Hill Family Found. res. grant, 60-61. U.S.A.F.R, 54-, Maj. Polit. Sci. Asn. Government and obscenity. Address: College of St. Thomas, St. Paul, Minn. 55101.

MURPHY, DR. THOMAS JAMES, b. Wausau, Wis, Jan. 18, 33. PSYCHOLOGY, HUMAN FACTORS ENGINEERING. B.S. Wisconsin, 58, M.S., 59, Ph.D.(psychol), 63. Counsr, Wisconsin, 62-63; HUMAN FACTORS SCIENTIST, EASTMAN KODAK CO, 63- U.S.A., 52-55, Res, 55-60. Psychol. Asn. Complex psychomotor performance; methods and lighting equipment for industrial inspectors. Address: 98 Pierpont St, Rochester, N.Y. 14613.

MURPHY, PROF. THOMAS P, b. Nov. 26, 31; U.S. citizen, m. 56; c. 5. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A. Queens Col, 52; Fordham, 52-53; Seattle, 53-54; M.A. Georgetown, 60; Ph.D.(polit. sci), St. John's, 63. Job. analyst, U.S. Gen. Acct. Off, 57; U.S. Air Force, 57-58; Internal Revenue Serv, 58; job & orgn. analyst, Fed. Aviation Agency, 58-60, mgt. officer, 60-61; staff asst. to adminstr, NASA, 61-64, dep. asst. adminstr. for legis, 64-66; PROF. PUB. ADMIN. & DIR, MISSOURI, KANSAS CITY, 66- Consult, Midwest Res. Inst, 66-; Cmn. Orgn. Jackson County, 67- U.S.M.C.R, 51-52; U.S.A.F, 53-57, 5/Sgt. Polit. Sci. Asn; Soc. Pub. Admin. Organizational change in urban environments; budgeting and planning systems; analysis of political behavior; executive and legislative interaction and organization; restructuring of local governments; intergovernmental relations; research management policies and evaluation. Publ: Co-auth, NASA's university research programs: dilemmas and problems on the government-academic interface, Pub. Admin. Rev, 3/67; auth, Political ethics in a coattails congress, Ethics, 7/67; The extraordinary power of freshmen in congress, 3/68. Address: Dept. of Public Administration, University of Missouri, Kansas City, Mo. 64110.

MURPHY, DR. VINCENT M, b. Brooklyn, N.Y., Aug. 24, 23; m. 54; c. 4. PSYCHOLOGY. B.S. Columbia, 50, B.A. Fordham, 53, Ph.D.(psychol), 62. Psychologist, Archdiocesan Voc. Serv, N.Y., 51-53; dir. guld, Canisius Col, 53-60; asst. prof. psychol, FAIRFIELD, 60-63, assoc. prof, 63-67, ASST. DEAN STUDIES, 67- U.S.A., 46-48. Evaluation of psychological outcomes of college experience; psychological definition of college environment. Publ: Manifest anxiety and self-description with respect to study habits and attitude, J. Col. Student Personnel, 12/64; co-auth, Motivational patterns of college freshmen, Cath. Ed. Rev, 1/65 & Some psychological correlates of subjective life expectancy, J. Clin. Psychol, 1/67. Address: Dept. of Psychology, Fairfield University, Fairfield, Conn. 06433.

MURPHY, PROF. WALTER FRANCIS, b. Charleston, S.C., Nov. 21, 29; m. 52; c. 2. POLITICAL SCIENCE. A.B. Notre Dame, 50; A.M. George Washington, 54; Merriam fel, Chicago, 55-56, Hillman fel, 56-57, Ph.D. 57. Instr. govt, U.S. Naval Acad, 52-55; res. fel, Brookings Inst, 57-58; asst. prof. POLIT, PRINCETON, 58-61, assoc. prof, 61-65, PROF, 65- Ford res. prof, 65-66. U.S.M.C., 50-55, Res, 56-, Lt. Col. Polit. Sci. Asn.(Birkhead award, 58). Public law; judicial behavior; political theory. Publ: Congress and the court; Elements of judicial strategy, Univ. Chicago, 64; Wire tapping on trial, Random, 65. Address: Corwin Hall, Princeton University, Princeton, N.J. 08540.

MURRA, DR. GENE E(LDEN), b. Lennox, S.Dak, Sept. 20, 37; m. 58; c. 4. AGRICULTURAL ECONOMICS. B.S. S.Dak. State, 59, M.S., 60; Ph.D.(agr. econ), Ohio State, 63. Asst. prof. AGR. ECON, I.A. STATE, 63-67, ASSOC. PROF, 67- Qm.C, U.S.A., 60-61, Res, 62-, Capt. Agr. Econ. Asn. Beef consumption; market outlets for live animals; livestock slaughtering and feeding. Address: Dept. of Agricultural Economics, Louisiana State University, Baton Rouge, La. 70803.

MURRA, PROF. JOHN V(CTOR), b. Odessa, Russia, Aug. 24, 16. ANTHROPOLOGY. B.A. Chicago, 36, M.A., 42, Ph.D., 56. Archaeol. fieldwork, Inst.

Andean Res, Ecuador, 41-42, prin. investr, Peru, 63-66, N.Y., 67-68; interviewer, inst. human rels, Yale, 42-43, supvr. fieldwork in Jamaica, 53, Martinique, 56; instr. anthrop, Chicago, 43-47; vis. asst. prof, Puerto Rico, 47-49; lectr, Brooklyn Col, 49-50; Vassar Col, 50-51, from asst. prof. to prof, 54-61; African area specialist, UN Secretariat, 51; fel, Smithsonian Inst, 66-67; PROF. ANTHROP, CORNELL, 68- Vis. prof, Univ. San Marcos, Peru, 58, 65-66; Anthrop. Sch, Mex, 61; Yale, 61-63; Nat. Sci. Found. res. grant, 63-66. Spanish Republican Army, 37-39. Fel. Anthrop. Asn; fel. Soc. Archaeol; Ethnol. Soc; Ethnohist. Soc; Int. African Inst. Primitive economic and political structures; early states; Andean and African culture history. Address: Dept. of Anthropology, Cornell University Ithaca, N.Y. 14850.

MURRAY, DR. A(LAN) KEITH, b. Shenandoah, Iowa, Jan. 4, 28; m. 57; c. 1. PSYCHOLOGY. B.S. Washington (Seattle), 53, M.S., 57, Ph.D., 60. Asst. Washington (Seattle), 54-58, res. assoc, 58-59; asst. prof. psychol, Nevada, 59-64; instr. med. psychol, sch. med, Hopkins, 64-65; EXEC. SECY. EXP. PSYCHOL. STUDY SECT, DIV. RES. GRANTS, NAT. INSTS. HEALTH, 65- Research, psychophysiol. lab, Perry Point. Vet. Admin. Hosp, 64-65. U.S.M.C., 46-47. Psychol. Asn; Pavlovian Soc. Classical and operant conditioning; physiological psychology. Publ: Co-auth, Methods in psychophysiology, In: Operant conditioning, Williams & Wilkins, 66; Operant conditioning, In: Methods in psychophysiology. Address: Division of Research Grants, National Institutes of Health, Bethesda, Md. 20014.

MURRAY, DR. ALAN P(AGE), b. New York, N.Y., Apr. 13, 34; m. 59. ECONOMICS, PUBLIC FINANCE. A.B. Dartmouth Col, 55; M.A. Columbia, 57, Earhart Found. fel. & Ph.D., 61. Instr. econ, Lafayette Col, 59-61; fiscal economist, off. tax anal, U.S. Treas. Dept, 61-62, asst. to dir, 62-63; fiscal economist, joint econ. cmt, U.S. CONG, 63-65, ECONOMIST, JOINT CMT. INTERNAL REVENUE TAXATION, 65- Lectr. Maryland, 61; Congressional Staff fel, London Sch. Econ, 67-68. U.S.A.R, 57, 61-62. Econ. Asn; Nat. Tax Asn. Public finance; taxation and fiscal policy; wage withholding systems of British and American income tax law. Publ: Depreciation handbook, Int. Prog. Taxation, Harvard Law Sch, 68; Federal tax system: facts and problems, 1964, Joint. Econ. Cmt, 64. Address: 8302 Bryant Dr, Bethesda, Md. 20034.

MURRAY, DR. DAVID C(OWAN), b. Highland Park, Ill, Mar. 20, 24; m. 48; c. 2. PSYCHOLOGY. B.A. Antioch Col, 48; M.A. Northwestern, 49, Ph.D. (psychol), 54. Asst. chief clin. psychologist, Hosp. Vet. Admin, Gulfport, Miss, 53-60, chief clin. psychologist, ment. hyg. clin, Vet. Admin. Regional Off, Syracuse, 60-67; CHIEF OUTPATIENT PSYCHOL. UNIT, VET. ADMIN. HOSP, SYRACUSE, 67- U.S.A.A.F, 43-45. Psychol. Asn; Soc. Proj. Tech. Diagnostic psychological testing; psychotherapy; personality dynamics. Publ: Investigation of one town's opinion relative to the problems of child guidance, Child Develop; co-auth, A consistent pattern in variations in amount of talking by patients during group therapy sessions, 10/61 & Verbal participation of Negro psychotics in combined as contrasted to all Negro groups, 4/64, Int. J. Group Psychother. Address: 201 Mott Rd, Fayetteville, N.Y. 13066.

MURRAY, DR. DAVID J, b. Manchester, Eng, June 8, 37; m. 63; c. 1. PSYCHOLOGY. B.A. Cambridge, 59, M.A., 63, Ph.D.(psychol), 64. ASST. PROF. PSYCHOL, QUEEN'S (ONT), 64- Vis. res. psychologist, human performance center, Univ. Michigan, 68-69. Can. Psychol. Asn; Brit. Exp. Psychol. Soc. Human short-term memory especially the linguistic aspects; investigations of memory in pathological cases; history of psychology; learning; psycholinguistics. Publ: Role of speech responses in short-term memory, 67 & co-auth, Recognition versus recall in schizophrenia, 68, Can. J. Psychol; auth, Articulation and acoustic confusability in short-term memory, J. Exp. Psychol, 68. Address: Dept. of Psychology, Queen's University, Kingston, Ont, Can.

MURRAY, PROF. DONALD S(HIPLEY), b. Philadelphia, Pa, June 30, 16; m. 38; c. 3. ECONOMIC STATISTICS, OPERATIONS RESEARCH. B.S. Pennsylvania, 37, A.M., 40, Ph.D.(statist), 44. Instr. acct. & statist, PENNSYLVANIA, 37-44, asst. prof. STATIST, 45-54, assoc. prof, 54-57, PROF, 57-, ASST. TO PRES. FOR FED. RELS, 64-, asst. comptroller, 43-44, mgr. sponsored res, 49-53, admin. dir. proj. res. & grants, 53-61, comptroller, 61-64. Wage analyst, U.S. War Dept, 43-44. Mem. arthritis & metab. diseases prog. proj. cmt, Nat. Insts. Health, 61-65, neurol. sci. prog. proj. cmt, 67-; dir. & mem. exec. cmt, Am. Inst. Indian Studies, 64-; mem. bd. dirs, Nat. Conf. Admin. Res, 67- Statist. Asn; Soc. Eng. Ed. Time series analysis; administration of research. Publ: Changes in the distribution of income by states, 1840-1938; Basic statistics with business applications, Wiley, 66. Address: Dept. of Statistics & Operations Research, 119 College Hall, University of Pennsylvania, Philadelphia, Pa. 19104.

MURRAY, PROF. EDWARD J(AMES), b. Brooklyn, N.Y., May 6, 28; m. 54; c. 3. PSYCHOLOGY. A.B. Columbia Col, 49; M.A. Duke, 51; U.S. Pub. Health Serv. fel, Yale, 52-53, Ph.D.(psychol), 55. Intern clin. psychol, Walter Reed Army Hosp, 53-54; chief clin. psychologist, U.S. Army Hosp, Ft. Belvoir, Va, 54-56; res. psychologist, Walter Reed Army Inst. Res, 56-58; asst. prof. PSYCHOL, Syracuse, 58-62, assoc. prof, 62-66; PROF, MIAMI (FLA), 66- Assoc. George Washington, 55-57. Consult, Vet. Admin, 59- U.S.A., 53-58, 1st Lt. Psychol. Asn. Personality; psychotherapy; psychopathology. Publ: Motivation and emotion, Prentice-Hall, 64; Sleep, dreams, and arousal, Appleton, 65; Sociotropic-learning approach to psychotherapy, In: Personality change, Wiley, 64. Address: Dept. of Psychology, University of Miami, Coral Gables, Fla. 33146.

MURRAY, DR. E(LLSWORTH) NEIL, JR, b. Washington, D.C., Feb. 4, 36; m. 62; c. 2. PSYCHOLOGY. B.S. Maryland, 60; Davidson Col, 54-57; M.S., Pittsburgh, 62, Ph.D., 65. ASST. PROF. PSYCHOL, STATE UNIV. N.Y. BUFFALO, 65- U.S.A.R, 58-64. Psychol. Asn. Applications of behavior theory to psychopathology; psychophysiological correlates of fear and anxiety. Publ: Co-auth, Mediated stimulus generalization and words connoting mood, J. Abnorm. & Soc. Psychol, 63 & Instrumental conditioning of autonomically mediated behavior: theoretical and methodological issues, Psychol. Bull, 68. Address: Dept. of Psychology, State University of New York at Buffalo, Buffalo, N.Y. 14214.

MURRAY, DR. ELSIE, Psychol, see 10th ed, Soc. & Behav. Vols.

MURRAY, PROF. ELWOOD, b. Macomb, Ill, Feb. 3, 97; m. 27; c. 4. PSYCHOLOGY. B.A., Hastings Col, 22, hon. LL.D., 50; M.A., Iowa, 24, Ph.D., 30. Teacher, high sch, Nebr., 22-23; Iowa, 23-26; instr. English & Speech, Midland Col, 26-27; instr. speech & dir. debates, Purdue, 27-29; assoc. prof. SPEECH, DENVER, 31-36, PROF, 36- Vis. distinguished prof., Southern Illinois, 62-63; vis. lectr., agr. inst., Minnesota, 65-66; vis. prof., Murray State, 66-67; dir., Inst. Gen. Semantics, Univ. Denver, 67- Estab. lab. interpersonal commun., Univ. Denver, 50 & interdisciplinary lab. struct, patterns, themes, 64. Summers, vis. prof., Southern California, 40; Terre Haute State Teachers Col, 45; Hawaii, 52, vis. lectr., 59. Fel. Speech & Hearing Assn; Psychol. Assn; Soc. Gen. Syst. Res; Speech Assn. Am; Soc. Appl. Anthropol; Inst. Gen. Semantics. Eye movements in stutters during silent reading; personality variables in speech; general semantics in human organization. Publ: Co-auth, Studies in interpersonal communication, Antioch Col. Press, 66; Communication: science art under preparation with Dr. Gerald Phillips, Bobbs-Merrill, 68; auth, General semantics in interdisciplinary seminars, Bull. Gen. Semantics, 66. Address: 2391 S. Clayton, Denver, Colo. 80210.

MURRAY, DR. FRANK BRUSH, b. East Orange, N.J., Apr. 5, 39; m. 60. EDUCATIONAL PSYCHOLOGY. B.A., St. John's Col.(Md), 60; M.A.T., Hopkins, 61, Ph.D.(ed. psychol), 66. ASST. PROF. exp. psychol., Towson State Col, 64-66; ED. PSYCHOL., MINNESOTA, MINNEAPOLIS, 66- Consult, Minn. Sch. Math. & Sci. Proj, 66- Soc. Res. Child Develop; Ed. Res. Assn; Psychol. Assn. Cognition, curriculum, and pedagogy; familiarization effects in acquisition; conservation of concepts. Publ: Conservation of illusion-distorted length, 65 & Conservation training, 68, J. Ed. Psychol; Phenomenal-real discrimination and conservation, Can. J. Psychol, 68. Address: Dept. of Educational Psychology, University of Minnesota, Minneapolis, Minn. 55455.

MURRAY, DR. FRANK S., b. Roanoke, Va., Oct. 22, 31. PSYCHOLOGY. B.S., Col. William & Mary, 59; A.M., Washington (St. Louis), 62; Ph.D.(psychol), Kentucky, 66. Instr. PSYCHOL., Kentucky, 63-66; ASST. PROF. EASTERN KENTUCKY, 66- Participant, Nat. Sci. Found. Inst. Math. Psychol, Michigan, summer 67. U.S.A.F., 52-56, S/Sgt. AAAS; Psychol. Assn. Publ: Co-auth, Investigation of the auditory thresholds of the guinea pigs, J. Comp. & Physiol. Psychol, 61: 227-233; auth, A preliminary investigation of anonymous nuisance telephone calls to females, 67 & co-auth, A survey of nuisance telephone calls received by males and females, 1/68, Psychol. Record. Address: Dept. of Psychology, Eastern Kentucky University, Richmond, Ky. 40575.

MURRAY, DR. HENRY A.(LEXANDER), b. New York, N.Y., May 13, 93; m. 16; c. 1. PSYCHOLOGY, PHYSIOLOGY. A.B., Harvard, 15; M.D., Columbia, 19, du Bois fel., 19-20, M.A., 20; Ph.D.(biochem), Cambridge, 28; hon. LL.D., Lawrence, 64; hon. Dr. Psychol., Louvain, 66. Asst. physiologist, Harvard, 20; intern, Presby. Hosp., New York, 20-22; asst., Rockefeller Inst., 22-24, assoc., 25-26; fel. PSYCHOL., HARVARD, 26-28, asst. prof., 28-37, assoc. prof., 37-45, lectr., 45-50, prof., 50-62, EMER. PROF., 62- Patron, Jung Inst., Zurich; mem. bd., Frances G. Wickes Found. Med.C., Off. Strategic Serv., 42-45, Lt. Col.; Legion of Merit, 46. Fel. Psychoanal. Soc; fel. Psychol. Assn.(distinguished sci. contrib. award, 61); fel. Am. Acad. Arts & Sci; fel. Am. Med. Assn. Development and assessment of personality. Publ: Co-auth. & ed., Explorations in personality, Oxford, 38; Assessment of men, Rinehart, 48; Personality in nature, society and culture, Knopf, 50. Address: 22 Francis Ave, Cambridge, Mass. 02138.

MURRAY, JANET HELEN, b. Cincinnati, Ohio, Jan. 27, 04. ECONOMICS, STATISTICS. B.A., Vassar Col, 26; M.A., Stanford, 30; Chicago, 30-34, 40. Statist. asst. wheat studies, Food Res. Inst., 26-30; asst. demand studies, Chicago, 30-34; econ. analyst, bur. agr. econ., U.S. Dept. Agr., 34-36; consumer purchases study, Nat. Resources Planning Bd., 36-40; home economist, bur. home econ., U.S. Dept. Agr., 40-41; instr. econ., West. Col., 41-43; econ. analyst tax revenue estimates, U.S. Dept. Treas., 43-45; asst. head family econ. res., bur. human nutrit. & home econ., U.S. Dept. Agr., 45-46, 49-55; agr. statist. economist, U.S. Dept. Army, Japan, 47-49; chief surv. statist. staff, consumer & food econ. res. div., U.S. Dept. Agr., 55-63, asst. dir., 63; chief old age retirement hist. br., div. econ. & soc. surv., off. res. & statist., soc. security admin., Dept. Health, Ed. & Welfare, 63-66; vis. prof. home econ. soc. surv., col. home econ., Minnesota, St. Paul, 67; CONSULT. SOC-ECON. RES. OFF. RES. STATIST. SOC. SECURITY ADMIN., DEPT. HEALTH, ED. & WELFARE, 67- Consult, food & agr. orgn., UN, 59. U.S. Dept. Agr. superior serv. award, 61. Statist. Asn; Economet. Soc; Agr. Econ. Assn; Home Econ. Assn; Sociol. Assn. Kinds, amounts and costs of food consumed by different population groups; practices of families in the household use of various foods. Publ: Co-auth, The aged population of the United States, Off. Res. Statist., Soc. Security Admin., Dept. Health, Ed. & Welfare, 67. Address: 1026 16th St. N.W., Washington, D. C. 20036.

MURRAY, DR. JOHN ALEX, b. Hamilton, Ont. INTERNATIONAL BUSINESS. Can. Coun. fel., Illinois, 66-67, Ph.D.(int. bus), 67. ASSOC. PROF. INT. BUS. OPERS, WINDSOR, 67- Econ. Asn. International trade, especially free trade agreements for Canada and United States. Publ: Short-term forecasting, Marketing, 12/66; Impact of the auto trade agreement: a study of selected Canadian participants, Cost & Mgt., 7/68. Address: Faculty of Business Administration, University of Windsor, Windsor, Ont., Can.

MURRAY, JOHN B., C.M., b. Wildwood, N.J., Aug. 6, 15. PSYCHOLOGY. B.A., St. Joseph's Col.(N.J.), 37; M.A., Niagara, 44; M.A., Fordham, 49, Ph.D.(psychol), 57. Dean, sch. ed., ST. JOHN'S (N.Y.), 57-58, assoc. prof. PSYCHOL., 58-63, PROF., 63-, CHMN. DEPT. 58- Vis. scientist, Am. Psychol. Assn, 67-69. Psychol. Assn; N.Y. Acad. Sci. Establishment of personality patterns of Roman Catholic priests and seminarians by means of standardized personality tests; personality patterns of male college students, especially in the demension of masculinity-femininity. Publ: Educational psychology, 65, Development psychology, 2nd ed, 65 & Readings in developmental psychology, 65, St. Johns Univ. Address: Dept. of Psychology, St. John's University, Grand Central & Utopia Pkwy, Jamaica, N.Y. 11432.

MURRAY, DR. JOHN E(DWARD), Exp. Psychol, see 10th ed, Soc. & Behav. Vols.

MURRAY, DR. MALCOLM A(RTHUR), b. Stratford, Ont., Dec. 22, 25; m. 52; c. 2. GEOGRAPHY. B.A., Western Ontario, 48; M.A., Syracuse, 50, Ph.D., 55. From asst. prof. to assoc. prof. geog., Miami (Ohio), 52-65, prof., 65-88, univ. res. fel., 61, res. assoc. pop. geog., Scripps Found. Pop. Studies, 64-68; HEAD DEPT. GEOG., GA. STATE COL., 68- Fulbright travel grant, Southampton, 58-59; Soc. Sci. Res. Coun. grant, 60, travel grant, Int. Geog. Union Mtg., London, summer 64; Rockefeller Found. vis. assoc. prof., Ibadan, Nigeria, 65-66; Asn. Am. Geog. vis. geog. scientist, Univ. Vermont, Middlebury Col. & Dartmouth Col., winter 67. Asn. Am. Geog.; Am. Geog. Soc.; African Studies Assn; Pop. Assn. Am; Can. Asn. Geog.; Int. Geog. Union; Nigerian Geog. Soc. North America; medical and population geography. Publ: Mortality variations in Monmouthshire, Wales, Prfnl. Geog., 62; The geography of death in England and Wales, 62 & The geography of death in the United States and the United Kingdom, 6/67, Ann. Am. Geog. Address: Dept. of Geography, Georgia State College, 33 Gilmer St. S.E., Atlanta, Ga. 30303.

MURRAY, DR. MERRILL G(ARVER), b. U.S., June 4, 00. ECONOMICS. A.B., DePauw, 22; Ph.M., Wisconsin, 29, Ph.D., 36. Res. assoc., employ. stabilization res. inst., Minnesota, 32-33; dir., State Employ. Serv., Minn., 33-34; assoc. consult, Cmt. Econ. Security, 34-35; assoc. dir., bur. unemployment compensation, Soc. Security Bd., 36-37, asst. dir. bur. old-age & survivors ins., 37-45; chief soc. ins. br., Off. Mil. Govt., Germany, 45-48; asst. to dir. bur. employ. security & exec. secy. fed. adv. coun. on employ. security, U.S. Dept. Labor, 48-62; tech. secy., cmt. soc. ins. & taxes, President's Cmn. Status of Women, 62-63; RES. ASSOC. UNEMPLOY. INS. W.E. UPJOHN INST. EMPLOY. RES., 63- Lectr., George Washington, 39-40. Indust. Rels. Res. Assn. Social insurance; unemployment reserves, insurance and relief in the United States. Publ: Co-auth, Unemployment insurance in the American economy, Irwin, 66. Address: Route 1, Box 580, Turkey Point, Edgewater, Md. 21037.

MURRAY, COL. NORMAN L(EROY), U.S.A.F., b. Ann Arbor, Mich., Sept. 11, 15; m. 40; c. 2. PSYCHOLOGY. B.S., Michigan, 42, M.A., 49. U.S. AIR FORCE, 42-, mem. staff psychol. res. aero med. lab., Wright-Patterson Air Force Base, Ohio, 46-48, officer in charge, personnel & training res. center, Mather Air Force Base, Calif., 49-51, exec. officer, Lackland Air Force Base, Tex., 52-53, CHIEF human factors div., Kirtland Air Force Base, N.Mex., 54-58, human factors br., ballistic missiles div., 58-62, TECH. STAFF, BALLISTICS SYSTS. DIV., 62- Psychol. Asn. Development of human engineering principles; systems design. Publ: Analysis of the navigator bombardier job and identification of factors contributing to successful performance, HRRC Bull; Principles of control arrangement for sequential operation; co-auth, Study of the most effective relationships between selected control and indicator movements. Address: 1747 Dwight St., Redlands, Calif. 92373.

MURRAY, PROF. PAUL R., b. Payette, Idaho, Jan. 8, 19; m. 43; c. 3. POLITICAL SCIENCE. B.A., Idaho, 41; M.A., Stanford, 47, Haynes Found. fel., 50-51, Ph.D.(polit. sci.), 53. Asst. prof. POLIT. SCI., SACRAMENTO STATE COL., 51-57, assoc. prof., 57-64, PROF., 64- Vis. prof., Chico State Col., 67-68. U.S.M.C., 42-46, Maj. Polit. Sci. Asn. American politics and government; constitutional law. Address: 6000 J St., Sacramento, Calif. 95819.

MURRAY, DR. RALPH T., b. St. Louis, Mo., Dec. 11, 26; m. 50; c. 3. MEDICAL SOCIOLOGY. B.S., Washington (St. Louis), 53; M.S., Southern Illinois, 59; Ph.D.(med. sociol), St. Louis, 63. Exec. secy., St. Louis Med. Soc., 53-56; exec. dir., Ill. Heart Assn., 57-59; res. dir., Loric Corp., 60-62; asst. dir., Metrop. St. Louis Hosp. Planning Cmn., Inc., 62-64; assoc. prof. sociol., Meramec Community Col., 64-65; ASST. PROF. HOSP. ADMIN., ST. LOUIS, 65-; DIR. RES. CATH. HOSP. ASN., 67- Res. grants, U.S. Pub. Health Serv. & W.K. Kellogg Found. Consult, med. care study cmt., Senator John F. Kennedy, 60-64. Med.C., U.S.A., 44-47, 2nd Lt. Pub. Health Asn; Sociol. Asn; Statist. Asn. Behavioral science research; research methodology and statistics; social psychology; health and medical care. Publ: The problem of entry into the health care system in America, J. Hosp. Admin., spring 68; The community health center: a system for delivery of health care services, Mod. Hosp., 3/68; Planning the delivery of health care for the future, Cath. Hosp. Assn., 6/68. Address: 4915 Lansdowne Ave., St. Louis, Mo. 63109.

MURRAY, PROF. RAY A(ARON), b. Maywood, Nebr., Jan. 18, 10; m. 37; c. 3. AGRICULTURAL ECONOMICS. B.S., Nebraska, 34; M.S., Cornell, 38, Ph.D. (agr. econ), 49. Instr. pub. schs., Nebr., 34-36, 41; asst. county agr. agent, 37; asst. agr. ed., Cornell, 37-40; instr. agr. econ., Platteville State Teachers Col., 41-42, 46-48; ASSOC. PROF. agr. ed., MARYLAND, 49-55, AGR. ECON., 55- U.S.A., 42-46, Res., 46-, Col. Agr. Econ. Assn. Farm management. Address: Dept. of Agricultural Economics, University of Maryland College of Agriculture, College Park, Md. 20782.

MURRAY, RAYMOND W(ILLIAM), b. Bridgeport, Conn., Aug. 18, 93. SOCIOLOGY. LL.B., Notre Dame, 18; Niagara & Col. Holy Cross, 20-24; Ph.D., Catholic Univ., 26. Instr. SOCIOL., NOTRE DAME, 26-27, PROF., 28-, head dept., 28-53. U.S.A., 18, Maj. Sociol. Assn. Anthropology; psychiatry. Publ: Introductory sociology; Man's unknown ancestors; Sociology for democratic society. Address: Dept. of Sociology, University of Notre Dame, Notre Dame, Ind. 46556.

MURRAY, PROF. ROGER F(RANKLIN), b. New York, N.Y., Oct. 11, 11; m. 34; c. 1. BUSINESS ECONOMICS. B.A., Yale, 32; M.B.A., N.Y. Univ., 38, Ph.D., 42; LL.D., Hope Col., 60. With Bankers Trust Co., New York, 32-43, v.pres., 46-55; assoc. dean, GRAD. SCH. BUS., COLUMBIA, 56-58, S.Sloan Colt prof. banking & finance, 58-65, ADJ. PROF. FINANCE, 65-; EXEC. V.PRES., TEACHERS INS. & ANNUITY ASN-COL. RETIREMENT EQUITIES FUND, 65- U.S.A.A.F., 43-46, Capt. Econ. Assn; Finance Assn.(pres., 64); Statist. Asn. Capital markets and investments; economics of pensions. Publ: Contrib., Business loans of American commercial banks; Pensions: problems and trends; auth, Economic aspects of pensions: a summary report, Nat. Bur. Econ. Res., 68. Address: Teachers Insurance & Annuity Association-College Retirement Equities Fund, 730 Third Ave., New York, N.Y. 10017.

MURRAY, DR. VICTOR V, b. Winnipeg, Man, Dec. 27, 32; m. 59; c. 2. ADMINISTRATIVE SCIENCES, SOCIOLOGY. B.A. Manitoba, 53; M.A. Minnesota, 56; Ph.D. (orgn. behav.), Cornell, 65. Personnel officer, res. & training dept, Imperial Oil, Ltd, 57-59; asst. prof. orgn. behav., British Columbia, 62-66; ASSOC. PROF. ADMIN. STUDIES & SOCIOL, YORK (ONT), 66- Soc. Asn; Indust. Rels. Res. Asn; Soc. Appl. Anthropol. Industrial sociology; organizational psychology. Address: Faculty of Administrative Studies, York University, Toronto 12, Ont, Can.

MURRAY, PROF. WILLIAM G(ORDON), b. Cedar Rapids, Iowa, July 15, 03. AGRICULTURAL ECONOMICS. A.B. Coe Col, 24; A.M. Harvard, 25; Ph.D. Minnesota, 32. Asst. agr. economist, U.S. Dept. Agr, 26-27; asst. prof. ECON. & SOCIOL, IOWA STATE, 27-31, assoc. prof, 31-37, PROF, 37-, head dept, 44-55. Assoc. prof, Minnesota, 35; chief economist, Farm Credit Admin, 35-36. Econ. Asn; Agr. Econ. Asn. Farm finance; farm land values and appraisal. Publ: Agricultural finance; Farm appraisal. Address: Dept. of Economics, Iowa State University, Ames, Iowa 50010.

MURRELL, DR. STANLEY ALLEN, b. Emporia, Kans, Sept. 30, 35; m. 59; c. 3. PSYCHOLOGY. B.A. Kansas, 58, M.A. 61, Ph.D. (psychol), 65. Chief psychologist, Wyandotte County Ment. Health Center, 65-68; ASST. PROF. PSYCHOL, ILLINOIS STATE, 68- Lectr. & clin. assoc. Univ. Kansas, 66-68. U.S.A. Capt. Psychol. Asn. Family interaction processes; evaluation of psychotherapy; community psychology. Publ: Co-auth, The family group: development structure and therapy, J. Marriage & Family, 65, Consistency, rigidity, and power in the interaction patterns of clinic and nonclinic families, J. Abnorm. Psychol, 67 & Community involvement programs in mental health, Community Ment. Health J, (in press). Address: Dept. of Psychology, Illinois State University, Normal, Ill. 61761.

MURRILL, PROF. R(UPERT) I(VAN), b. Mexico City, Mex, Apr. 19, 15; nat; m. 63; c. 2. ANTHROPOLOGY. B.S. McGill, 40; fel. Puerto Rico, 48-49; Ph.D. Columbia, 54. Instr. anthrop. & sociol, Kansas, 50-54; asst. prof, 54-58, dir. dept. west. civilization, 53-56; asst. prof. ANTHROP, MINNESOTA, MINNEAPOLIS, 58-59, assoc. prof, 59-68, PROF, 69- Can. Army, 43-45. Fel. AAAS; fel. Anthropol. Asn; Asn. Phys. Anthropol. Racial blood pressure; primate paleontology. Publ: Vital statistics of Ponape Island, Am. J. Phys. Anthropol; Racial blood pressure studies, a critique of methodology, Proc. Am. Philos. Soc; A study of cranial and postcranial material from Easter Island, Monog. Sch. Am. Res. Address: 1315 June Ave. S, Minneapolis, Minn. 55416.

MURRY, DR. DONALD A(RVIL), b. St. James, Mo. ECONOMICS. B.S. Missouri, 59, M.A. 61, Ph.D. (econ), 66. ASST. PROF. ECON, MISSOURI, ST. LOUIS, 64-. DIR. RES. & ASST. TO CHANCELLOR, 66- U.S.A. 59, Res, 60-66, 1st Lt. Econ. Asn; Economet. Soc. Microeconomic theory; regional economics. Publ: Scientific research in Missouri, Univ. Missouri, 66. Address: Dept. of Economics, University of Missouri at St. Louis, St. Louis, Mo. 63121.

MURSELL, DR. GEORGE REX, b. Newf, Dec. 25, 98; nat; m. 28; c. 1. PSYCHOLOGY. B.S.Sc. Boston, 26; M.A. Ohio State, 29, Ph.D. (psychol), 30. Chief psychologist, Bur. Exam. & Classification of Prisoners, Ohio, 30-36; statistician, Unemploy. Compensation Cmn, Ore, 37-40; chief manpower div, Mil. Govt. Germany, 46-50; supv. psychologist, Ore. Fairview Home, 50-57; dir. psychol. serv, State Sch, Iowa, 57-64; supv. psychologist, State Sch, Wash, 64-65; RETIRED. U.S.A. 40-46, Col. Psychol. Asn. Mental deficiency; personnel selection and evaluation; general clinical counseling. Publ: Simplified administration of the Kuhlman Scale of Intelligence & Job analysis form for institutional jobs, Am. J. Ment. Deficiency; co-auth, chap, In: Recent developments in the H-T-P, West. Psychol. Serv, 68. Address: 5219 Chalet, Panorama City, Olympia, Wash. 98501.

MURSTEIN, PROF. BERNARD I(RVING), b. Vilna, Lithuania, Apr. 29, 29; U.S. citizen; m. 54; c. 2. CLINICAL PSYCHOLOGY. B.S.S. City Col. New York, 50; M.S. Miami (Fla), 51; U.S. Pub. Health Serv. fel. Texas, 54-55, Ph.D. 55. Intern psychol, Louisville Child Guid. Center, 53-54; Hogg Found. res. fel. Univ. Texas M.D. Anderson Hosp. & Tumor Inst, 55-56; asst. prof. & dir. psychol. clin. La. State, 56-58; assoc. prof. psychol. & coordinator res, Portland, 58-60; dir. res. & prin. investr, interfaith counseling center, Nat. Inst. Ment. Health, 60-62; assoc. prof. family rels, Connecticut, 62-63; PSYCHOL, CONNECTICUT COL, 63-65, PROF, 65- Vis. lectr, Oregon State, 61-; prin. investr, Nat. Inst. Ment. Health, 64- Consult, Southeast La. Col, 57. Dipl. Am. Bd. Exam. Prinl. Psychol, 61. Psychol. Asn; fel. Soc. Proj. Tech; fel. Int. Coun. Psychol. Personality; social psychology; person perception; projective techniques; psychological determinants of mate selection and marital adjustment; group psychotherapy. Publ: Theory and research in projective techniques, Wiley, 63; ed, Handbook of projective techniques, Basic Books, 65; Relationship of mental health to marital choice and courtship progress, J. Marriage & Family, 67. Address: Dept. of Psychology, Connecticut College, New London, Conn. 06320.

MURTAUGH, JOSEPH S(TUART), b. Weston, Mass, July 15, 12; m. 37; c. 4. SOCIAL SCIENCE, STATISTICS. B.A. Col. St. Thomas, 33; Georgetown, 44. Asst. state statistician, Works Progress Admin, Minn, 35-40; statistician, Nat. Youth Admin, 40-42; analyst, War Prod. Bd, 42-44; statistician, off. surgeon gen, U.S. War Dept, 44-46; UNRRA, 46-47; med. economist, U.S. Pub. Health Serv, 47-50, pub. health adminstr, 50-52, asst. exec. officer, bur. med. servs, 52-56, asst. chief res. planning, NAT. INSTS. HEALTH, 56-60, CHIEF OFF. PROG. PLANNING, 60- Dept. Health, Ed. & Welfare superior serv. award, 62, distinguished serv. award, 67. Statist. Asn; Acad. Polit. & Soc. Sci. Administrative statistics; research administration, science and public policy. Address: 10912 Clermont Ave, Garrett Park, Md. 20766.

MURTHY, DR. VRUDHULA KRISHNA, Statist, Math, see 10th ed, Soc. & Behav. Vols.

MURTY, DR. PEDAPROLU SREE KRISHNA, b. Avanigadda, India, Jan. 9, 28; m. 50; c. 4. ECONOMICS, SOCIOLOGY. M.A. Duke, 58, Ph.D. 59. Labor rels. officer, Brit. India Tobacco Corp, India, 52-56; admin. officer res.

personnel admin, Bird & Co, 60; ECONOMIST, NAT. PROD. SECT, NAT. ACCOUNTS & BALANCE OF PAYMENTS DIV, DOM. BUR. STATIST, 61- Am. Econ. Asn; Sociol. Asn; fel. Royal Econ. Soc. Investment income. Address: 2240 Georgina Dr, Ottawa 14, Ont, Can.

MURVAR, DR. V(ATRO), b. Mostar, Croatia, Mar. 21, 20; nat; m. c. 3. SOCIOLOGY. Dr. rer. pol, Graz, 48; Ph.D. (sociol), Wisconsin, 56. Instr. sociol, Marquette, 55-57; asst. prof, John Carroll & Gonzaga, 57-61; acad. res. & writing, 61-62; assoc. prof. sociol, Omaha, 62-64; Mt. Mary Col. (Wis), 64-68; acad. res. & writing, 68-69; MEM. FACULTY, WISCONSIN, MILWAUKEE, 69- Ed. consult, J. Sci. Study Relig, 67- Sociol. Asn; Polit. Sci. Asn; Soc. Sci. Study Relig; Law & Society Asn. Sociological theory; political sociology; sociology of religion. Publ: Max Weber's concept of hierarchy: church-state relationship typology, Sociol. Anal, summer 67; Weber's urban typology and Russia, Sociol. Quart, fall 67; Russian religious structures, J. Sci. Study Relig, spring 68. Address: P.O. Box 1474, Madison, Wis. 53701.

MUSE, DR. WILLIAM VAN, b. Marks, Miss, Apr. 7, 39; m. 64; c. 2. MARKETING MANAGEMENT. B.S. Northwest State Col. (La), 60; Nat. Defense Ed. Act fel, Arkansas, 60-63, M.B.A. 61, Ph.D. (bus. admin), 66. Asst. prof. indust. mgt, Ga. Inst. Tech, 64-65; mkt. OHIO, 65-66, ASSOC. PROF. MKT. & DIR. DIV. RES, 67-, CHMN. DEPT. MKT, 66- Found. Econ. Ed. summer fel, 67. Mkt. Asn. Application of management practices to non-business organizations, Publ: Success and business management practices in fraternities, Tau Kappa Epsilon Fraternity, 1/67; The universality of management, 6/67 & The universality of management: a reply, 3/68, Acad. Mgt. J. Address: Dept. of Marketing, Ohio University College of Business Administration, Athens, Ohio 45701.

MUSGRAVE, PROF. ARTHUR B(ENSON), b. Quincy, Mass, Sept. 18, 10; m. 39; c. 2. JOURNALISM, ENGLISH. Nieman fel, Harvard, 42-43; B.S. & M.S. Boston, 51; Ph.D. Minnesota, 61. News ed, Houston Post, Tex, 38-42; tech. writer, radiation lab, Mass. Inst. Tech, 43-46; PROF. JOURNALISTIC STUDIES & ENG, MASSACHUSETTS, 46- Asn. Ed. Journalism; Soc. Journalism Sch. Adminstrs. Communication research; public opinion; language. Address: Dept. of English, University of Massachusetts, Amherst, Mass. 01002.

MUSGRAVE, PROF. BARBARA STEWART, b. Evanston, Ill, Oct. 15, 13; m. 39; c. 2. PSYCHOLOGY. B.A. Minnesota, 54, U.S. Pub. Health Serv. fel, 57-60, M.A. 60; Ph.D. (psychol), Massachusetts, 60. Asst. prof. PSYCHOL. & dean class of 1965, SMITH COL, 60-65, ASSOC. PROF, 65-, CHMN. DEPT. 68- AAAS; Psychol. Asn; Psychonomic Soc; Ed. Res. Asn. Human learning; verbal behavior; educational psychology. Publ: Co-ed, Verbal learning and verbal behavior II; co-auth, Abstraction in verbal paired-associate learning, 66 & Effects of formal similarity on cue selection in verbal paired-associate learning, 66, J. Exp. Psychol. Address: Burton Hall, Clark Science Center, Smith College, Northampton, Mass. 01060.

MUSGRAVE, PROF. RAY S(IGLER), b. Mountain Lake Park, Md, Feb. 3, 11; m. 35; c. 1. PSYCHOLOGY. B.A. Bethany Col. (W.Va), 33; M.A. Ohio Wesleyan, 35; Ph.D. (psychol), Syracuse, 37; Columbia, 50-51. Asst. Ohio Wesleyan, 33-34; couns. freshmen men, Syracuse, 34-36, instr. psychol, 34-37; acting head dept, Birmingham-South. Col, 37-38; instr, Russell Sage Col, 38-39; prof, Millsaps Col, 39-54, dir. summer session & eve. div. 39-42, dean freshmen, 46-50, students, 51-53; prof. psychol. & dir. student personnel servs, Tex. State Col. for Women, 54-56; PROF. PSYCHOL. & CHMN. DEPT. SOUTHERN MISSISSIPPI, 56- U.S.A. 42-46. Psychol. Asn; Personnel & Guid. Asn; Asn. Ment. Deficiency. Description and study of behavior; personality; counseling psychology. Address: Dept. of Psychology, University of Southern Mississippi, Hattiesburg, Miss. 39401.

MUSGRAVE, PROF. RICHARD ABEL, b. Kongistein, Germany, Dec. 12, 10; nat; m. 39. ECONOMICS. Ph.D. Harvard, 37. Res. economist, Fed. Reserve Bd, 40-48; PROF. econ, Michigan, 48-58; Hopkins, 58-62; ECON. & PUB. AFFAIRS, Princeton, 62-65; HARVARD, 65- Consult. govt. & int. agencies. Econ Asn; Am. Acad. Arts & Sci. Public finance; monetary and income theory and policy. Publ: Theory of public finance. Address: 56 Village Hill Rd, Belmont, Mass. 02178.

MUSGROVE, DR. WALTER J(ASON), b. Baltimore, Md, Apr. 23, 25; m. 51; c. 3. EDUCATIONAL PSYCHOLOGY. A.B. Maryland, 49, M.A. 51, fel. 63-64, Ed.D. 65. Teacher, high sch, Md, 49-50, Mont, 53-56; sch. psychologist, pub. schs, Baltimore County, Md, 56-64; asst. prof. ED. PSYCHOL, SOUTH FLORIDA, 64-68, ASSOC. PROF, 68- Intern clin. psychol, Rosewood State Hosp, Owings Mills, Md, 56-57. Consult, Polk County Bd. Pub. Instr, 65- U.S.N.R. 42-46. Psychol. Asn. School psychology. Address: Dept. of Educational Psychology, University of South Florida, Tampa, Fla. 33620.

MUSHKIN, DR. SELMA (MRS. I.S. WEISSBRODT), b. Centerville, N.Y., Dec. 31, 13; m. 39; c. 3. ECONOMICS. B.A. Brooklyn Col, 34; M.A. Columbia, 35; Ph.D. New Sch. Soc. Res, 56. Instr. econ, Brooklyn Col, 35-37; chief, div. econ. & finance studies, Soc. Security Admin, 37-49; health economist, U.S. Pub. Health Serv, 49-60; economist, U.S. Off. Ed, 60-61, sr. analyst, adv. cmm. intergovt. rels, 61-63, proj. dir. PUB. FINANCE, 63-64; RES. PROF, GEORGE WASHINGTON, 64- Res. assoc. sch. pub. health, Hopkins, 57-59; expert, Pan. Am. Health Orgn, 61. Consult. econ. ed, Orgn. Econ. Coop. Develop, 62-63. Agency rep, President's Cmt. Employ. Scientists & Engrs. in Fed. Serv, 57; mem. cmt. dent. serv. for dependants of Armed Serv, U.S. Dept. Defense, 58. Fel. Pub. Health Asn; Int. Inst. Pub. Finance. Welfare finance; health programming. Publ: State economic programming for economic development, Coun. State Govt, 65; co-auth, Emerging patterns of Federalism, Nat. Tax J, 9/66 & Projecting the state and local sector, Rev. Econ. & Statist, 5/67. Address: 3620 Prospect St. N.W., Washington, D.C. 20007.

MUSICUS, MILTON, b. Russia, Feb. 23, 13; nat; m. 40; c. 2. PUBLIC ADMINISTRATION. B.S. City Col. New York, 33; M.A. Columbia, 34; M.P.A. N.Y. Univ, 41. Exam. asst, Civil Serv. Cmn, New York, 37-42; sr. personnel technician, State Civil Serv. Dept, N.Y., 42-44, assoc. personnel techni-

clan, 44-46, asst. dir. salary standardization, 46-49, asst. dir. bus. mgt, state dept. ed, 49-54, dir. bus. mgt. & personnel, 54-59, asst. secy. for admin. Gov. Off, 59-61; asst. cmnr. for admin. serv, N.Y. State Dept. Ed, 61-64; EXEC. DIR, MENT. HYG. FACILITIES IMPROV. FUND, 64- Consult, Dominican Repub, 63; Ecuador, 65. Mem. bd, state salary standardization, N.Y., 44-46, classification & compensation appeals, 58-59; State Purchase Adv. Coun, 61; Interdept. Mgt. Improv. Coun, 63- Alfred E. Smith award, 59. Pub. Personnel Asn; Soc. Pub. Admin. Publ: Co-auth, Proposed reorganization of the executive branch of New York State government; auth, Reorganization of Dominican Republic, 63; Organization of agricultural sector of Ecuador, 65. Address: Mental Hygiene Facilities Improvement Fund, 44 Holland Ave, Albany, N.Y. 12208.

MUSIKER, DR. HAROLD R(OBERT), b. Boston, Mass, Apr. 29, 21; m. 47; c. 3. B.A. Northeastern, 43; M.A. Boston, 47, Ph.D. 52. Staff psychologist, Vet. Admin. Hosp, Bedford, Mass, 48-53, chief clin. psychologist, Vet. Admin. Ment. Hyg. Clin, Providence, R.I., 53-56; staff assoc, Walter V. Clarke Assocs, Inc, 56-59, sr. assoc, 59-60, exec. assoc, 60-62; DIR. PSYCHOL, R.I. HOSP, 62- Adj. prof, Rhode Island, 65-; Nat. Inst. Ment. Health res. grant, 66- AAAS; Psychol. Asn; Rehab. Asn; Nat. Asn. Ment. Health. Personality theory; human assessment; executive leadership. Address: 307 Wayland Ave, Providence, R.I. 02906.

MUSKIN, C. LEONARD, Psychol, see 10th ed, Soc. & Behav. Vols.

MUSOLF, PROF. LLOYD D(ARYL), b. Yale, S.Dak, Oct. 14, 19; m. 44; c. 3. POLITICAL SCIENCE. A.B. Huron Col, 41; A.M. South Dakota, 46; Ph.D., Hopkins, 50. Instr. polit. sci, Vassar Col, 49-50, asst. prof, 50-55, assoc. prof, 55-59; Mich. State, 59-61, prof, 61-63; PROF. POLIT. SCI. & DIR. INST. GOVT. AFFAIRS, CALIFORNIA, DAVIS, 63- Chief adv. univ. group, Saigon, 59-61; chmn. adv. cmt, legis. serv. prog, U.S. Agency Int. Develop, 67-68. Sr. assoc. award, East-West Center, Hawaii, 68-69. U.S.N. 42-45. Polit. Sci. Asn; Soc. Pub. Admin. Public policy, law and administration. Publ: Federal examiners and the conflict of law and administration; Public ownership and accountability: the Canadian experience; Promoting the general welfare: government and the economy, Scott, 65. Address: Dept. of Political Science, University of California, Davis, Calif. 95616.

MUSSELMAN, PRES. JOHN W(ILLIAM), b. Luray, Va, Mar. 31, 12; m. 40. EDUCATIONAL PSYCHOLOGY. Ed.D. Hopkins, 43. Chmn. psychol. dept, Baltimore Jr. Col, 47-57; pres, Harford Jr. Col, 57-64; dean, Rockland Community Col, 64-66; PRES, MASSASOIT COMMUNITY COL, 66- Md. State Senatorial scholar, 31-33; res. grant, Duke, 48-49; Develop. Human & Natural Resources fel, 66- U.S.N. 43-47, Lt.(jg). Assoc. AAAS; Soc. Appl. Anthropol; Soc. Clin. & Exp. Hypnosis; Sociol. Asn; Soc. Psychol. Study Social Issues. Educational methods, reading speed and comprehension for college freshmen; applied psychology; hypnosis in several areas. Publ: Achievement of superior students, J. Ed. Res; Factors in achievement of superior students, Bull. Ed; Hypnosis in improving speed of mathematical calculations. Address: 150 Larson Rd, Stoughton, Mass. 02072.

MUSSEN, DR. PAUL H(ENRY), b. Paterson, N.J, Mar. 21, 22; m. 53; c. 2. PSYCHOLOGY. A.B. Stanford, 42, M.A., 43; Ph.D.(psychol), Yale, 49. Asst. prof. PSYCHOL, Wisconsin, 49-51; assoc. prof, Ohio State, 51-55; PROF, CALIFORNIA, BERKELEY, 56- Consult, Vet. Admin, 49-55; Fund Adv. Ed. fel, 55-56. U.S.N.R, 44-46, Lt.(jg). AAAS; Psychol. Asn. Personality development; social behavior. Publ: Child development and personality; Some personality and social factors related to changes in children's attitudes toward Negroes; Relationship between overt and fantasy aggression. Address: Dept. of Psychology, University of California, Berkeley, Calif. 94720.

MUSTEIKIS, PROF. ANTANAS, b. Lithuania, Jan. 11, 14; nat; m. 43; c. 2. SOCIOLOGY. M.A. Kaunas, Lithuania, 41; Heidelberg, 46-49; M.A. N.Y. Univ, 51, Neris scholar, 53, Ph.D.(sociol), 54. Instr. lit. & lang, Pasvalys High Sch. & Jr. Col, Lithuania, 40-44; co-ed, Scholar, Germany, 47-48; researcher, Mid-Eastern Studies Center, 54; from asst. prof. to PROF. SOCIOL. & HEAD DEPT, D'YOUVILLE COL, 55- Co-ed, Toward Freedom, 53-58; ed. & contrib, Lithuanian Encyclop, 54-68. Sociol. Asn. Nationality problems and intercultural relations in the Baltic countries. Publ: Under the vault of heaven, Draugas, 69; Russia's unclaimed inventions, Baltic Rev, 6/56; Cultural encounters between Americans and Lithuanians, Echoes, 12/60. Address: Dept. of Sociology, D'Youville College, 320 Porter Ave, Buffalo, N.Y. 14201.

MUTH, PROF. JOHN F(RASER), b. Chicago, Ill, Sept. 27, 30. ECONOMICS. B.S. Washington (St. Louis), 52; M.S. Carnegie Inst. Tech, 54, Ph.D. 62. Instr. econ, Carnegie Inst. Tech, 55-56; vis. asst. prof, Chicago, 56-57; res. assoc, Carnegie Inst. Tech, 57-60, asst. prof. econ. & indust. admin, 60-62, assoc. prof, 62-65; PROF. MGT, MICH. STATE, 65- Econ. Asn; Inst. Mgt. Sci; Soc. Indust. & Appl. Math; Asn. Comput. Mach. Economic theory; management science; industrial engineering; production planning and control; decision-making under uncertainty; graph and combinatorial theory; numerical analysis and computer simulation. Publ: Co-auth, Planning production, inventories and work force; auth, Rational expectations and the theory of price movements, Econometrica. Address: School of Business Administration, Epley Center, Michigan State University, East Lansing, Mich. 48823.

MUTH, PROF. RICHARD F(ERRIS), b. Chicago, Ill, May 14, 27; m. 55. ECONOMIC. A.B. Washington (St. Louis), 49, M.A., 50; Ph.D. Chicago, 58. Asst. to economist, Miss. Valley Trust Co, Mo, 49-50; instr. econ, Washington (St. Louis), 50-51; res. assoc, Cowles Cmn. Res. Econ, Chicago, 54-55; lectr. polit. econ, Hopkins, 55-56; res. assoc, Resources for the Future, D.C., 56-58; vis. assoc. prof. econ, Vanderbilt, 58-59; assoc. prof. urban econ, Chicago, 59-64; economist, Inst. Defense Anal, Va, 64-66; PROF. ECON, WASHINGTON (ST. LOUIS), 66- Consult, Inst. Defense Anal, 64- U.S.C.G.R., 51-52, Lt.(jg). Econ. Asn; Statist. Asn; Economet. Soc; Regional Sci. Asn. Housing and urban economics; determinants of spatial pattern of residential land use and housing quality in cities. Publ: Spatial structure of the housing market, Proc. Regional Sci. Asn; Economic change and rural urban land conversions, Econometrica; Demand for non-farm housing, In-

Demand for durable goods. Address: Dept. of Economics, Washington University, St. Louis, Mo. 63130.

MUTHARD, DR. JOHN E(DWARD), b. Reading, Pa, Apr. 17, 17; m. 45; c. 2. PSYCHOLOGY. B.S. Pa. State Teachers Col, Kutztown, 42; M.A. Temple, 47; Ph.D.(psychol), Ohio State, 52. Instr. psychol, Emory, 48-50, asst. prof, 52-54; chief counseling psychologist, Vet. Admin. Hosp, 54-55; coordinator rehab. counseling, Iowa, 56-67; HEAD, REGIONAL REHAB. RES. INST. UNIV. FLORIDA, 67- Prin. investr. Am. Personnel & Guid. Asn, 65-66; vis. prof, Hawaii, summer, 66. Consult, Vet. Admin. Hosp, Iowa City, Knoxville & Des Moines, 60-67. Mem. gen. res. study sect, Voc. Rehab. Admin, 66- Dipl. Am. Bd. Exam. Prinl. Psychol, 64. Psychol. Asn; Personnel Asn; Rehab. Asn; Coun. Measurement in Ed; Asn. Counsr. Ed. & Supvr. Personnel utilization in health and rehabilitation services; performance evaluation in rehabilitation counseling; social psychology of disability. Publ: Training guides in case load management for rehabilitation staff, Rehab. Serv. Series, U.S. Printing Off, 65; co-auth, The criteria problem in rehabilitation counseling, Col. Ed. Univ. Iowa, 66. Address: Regional Rehabilitation Research Institute, College of Health Related Professions, University of Florida, Gainesville, Fla. 32601.

MUSSF, PROF. ROLF E(DUARD), b. Tating, Germany, Sept. 26, 24; m. 53; c. 2. EDUCATIONAL PSYCHOLOGY. M.Ed. West. Md. Col, 54; Ph.D.(ed. psychol), Illinois, 57. Teacher, pub. sch, Germany, 51, prin, 52-53; trainee, U.S. Off. Ed, 51-52; houseparent, Child Study Center, Md, 53; asst. ed. & child develop, Illinois, 54-57; res. asst. prof, child welfare res. sta, Iowa, 57-59; assoc. prof, GOUCHER COL, 59-64, PROF. ED, 64- German Air Force, 42-45. Am. Psychol. Asn; Soc. Res. Child Develop; World Fedn. Ment. Health; German Psychol. Asn. Problems of school maturity and maturity tests; theories of child and adolescent development; behavior analysis and the influence of a preventive psychiatry school program on mental health. Publ: Theories of adolescence, Random, 62, rev. ed, 68; First aid for classroom discipline problems, Holt, 62, transl. Into Portuguese, 67. Address: Dept. of Education, Goucher College, Towson, Md. 21204.

MUZUMDAR, DR. AMMU MENON, b. Kerala, India, July 30, 19; m. 60. SOCIAL SCIENCE. B.A. Annamalai Univ, Madras, 40; B.T. Madras, 43; Tata scholar, Chicago, 48-50, M.A., 50; P.E.O. Int. Peace scholar, Columbia, 57-59, Asia Found. fel, 59-60, D.S.W., 60. Supt, Arvaji Home & Orphanage, Madras, 41-42; lectr. econ, Cent. Col. for Women, Nagpur, India, 45-48; sr. lectr. soc. work, faculty soc. work, Baroda, 51-57, prof. & dean, 60-63; PROF. SOC. SCI. & SOC. WORK, AGR. MECH. & NORM. COL, ARK, 63- Dir, Soc. Ed. Organizers Training Center, Gujarat State, India, 60-61; head, ment. health & psychiat. clin, Shri Sayaji Gen. Hosp, Baroda, 60-63; Fatehgunj Soc. Welfare Center, Baroda, 60-63; hon. gen. secy, Baroda dist. br, Indian Conf. Soc. Work, 60-63, mem. cent. exec. cmt, 61-63, submt. broad criteria & methods for prog. eval. of soc. welfare serv, 61-63; v.pres, Asn. Schs. Soc. Work in India, 60-63, chmn, accreditation cmm, 62-63; mem. soc. welfare adv. bd, Ministry Ed, Govt. India, 61-63; chmn, workshop admin. schs. soc. work in India, All-India seminar, Tech. Coop. Mission, 61; dir, workshop methods of supv, Nirmala Niketan, Bombay, 62. Nat. Asn. Soc. Workers; Am. Sociol. Asn; Asn. Asian Studies; Int. Conf. Soc. Work. Mahatma Gandhi's contributions to social work techniques and to social welfare programs in India. Publ: Social work in Gujarat, India Nat. Cong. Souvenir Number, 61; Sociometry, Akashvani, New Delhi, Govt. India, 2/62; Social welfare in India: Mahatma Gandhi's contributions, Asia Pub. House, Bombay, 64. Address: Dept. of Sociology, Agricultural, Mechanical & Normal College, Pine Bluff, Ark. 71601.

MUZUMDAR, DEAN HARIDAS THAKORDAS, b. Vyara, India, Dec. 28, 00; nat; m. 60. SOCIOLOGY. B.A. Northwestern, 25, M.A., 26; Ph.D.(sociol), Wisconsin, 30. Lectr, U.S., 30-44; head dept. sociol. & econ, William Penn Col, 44-45; asst. reference librn, Indic sect, Library of Cong, 45-46; prof. sociol, New Mexico Highlands, 46-48; vis. prof, Ohio Wesleyan, 48-50; vis. lectr, Wisconsin, 50, lectr, Asian affairs, exten. div, 50-51; prof. sociol. & soc. work, Cornell Col, 51-60; SOCIOL, ARK, AGR. MECH. & NORM. COL, 60-61, CHMN. DEPT, 62-, DEAN DIV. ARTS & SCI, 63- Vis. prof, faculty soc. work, Univ. Baroda, 61-62. Pres, Conf. Asian Affairs, 54-55. Sociol. Asn; Asn. Social Workers; Asn. Asian Studies. Social theory; American-Asian relations; integration of knowledge, especially in social sciences. Publ: The united nations of the world, Universal, 42, 2nd ed, 44; Mahatma Gandhi: a prophetic voice, Navajivan, 63; The grammar of sociology: man in society, Asia, 67. Address: Division of Arts & Sciences, Agricultural, Mechanical & Normal College, Pine Bluff, Ark. 71601.

MYATT, PROF. W(ILFRED) G(ERVAIS), b. Ultoxeter, Eng, Mar. 7, 01; m. 28; c. 2. GEOGRAPHY. A.B. Washington (Seattle), 47, A.M., 50; Ph.D. Clark, 58. ASSOC. PROF, Alberta, 39; GEOG, OREGON STATE, 47- Can. Army, 40-46, Col. Asn. Am. Geog; Geog. Soc. Regional and political geography; resources of Canada. Address: Dept. of Geography, Oregon State University, Corvallis, Ore. 97331.

MYER, DR. JAMES S(TOCKERT), b. Charleston, W.Va, July 1, 35; m. 57; c. 3. PSYCHOLOGY. B.A. West Virginia, 56, M.A., 57; Nat. Inst. Ment. Health fel, Pennsylvania, 60-63, Ph.D.(psychol), 63. Teaching asst. PSYCHOL, West Virginia, 56-57, instr, 57-60; asst. prof, HOPKINS, 63-68, AS-SOC. PROF, 68- Psychol. Asn; Psychonomic Soc; Animal Behav. Soc. Experimental analysis of instinctive behavior; learning and motivation; comparative psychology. Publ: Stimulus control of mouse killing rats, 64 & co-auth, Delay of punishment gradients for the goldfish, 68, J. Comp. & Physiol. Psychol; auth, Prior killing experience and the effects of punishment on the killing of mice by rats, Animal Behav, 67. Address: Dept. of Psychology, Johns Hopkins University, Baltimore, Md. 21218.

MYERS, DR. ARLO K(ENNETH), b. Seattle, Wash, Nov. 15, 22; m. 49; c. 3. EXPERIMENTAL PSYCHOLOGY. B.S. Washington (Seattle), 49, M.S., 51; Ph.D.(psychol), Yale, 56. Res. asst. psychol, Yale, 56-57, instr, 57-59; assoc. staff scientist, Jackson Mem. Lab, Maine, 59-61; asst. prof. PSYCHOL, CALIFORNIA, RIVERSIDE, 61-65, ASSOC. PROF, 65- Sig.C. U.S.A., 43-46. AAAS; Psychol. Asn; Psychonomic Soc. Learning and motivation; analysis of emotional and aversive behavior; experimental design and analy-

- sis; behavioral apparatus and instrument design. Publ: Avoidance learning as a function of several training conditions and strain differences in rats, Onset vs. termination of stimulus energy as the CS in avoidance conditioning and pseudoconditioning & Alcohol choice in Wistar and G-4 rats as a function of environmental temperature and alcohol concentration, J. Comp. & Physiol. Psychol. Address: Dept. of Psychology, University of California, Riverside, Calif. 92502.
- MYERS, PROF. CHARLES A (NDREW), b. State College, Pa, June 10, 13; m. 37; c. 3. INDUSTRIAL RELATIONS. A.B. Pa. State Col, 34; Ph.D. Chicago, 39. Instr. econ. Beloit Col, 38-39; indust. rels. MASS. INST. TECH. 39-41, asst. prof, 41-46, assoc. prof, 46-49, prof, 49-67, SLOAN FELS. PROF. MGT, SLOAN SCH. MGT, 67-, DIR. INDUST. RELS. SECT, 49- Vis. specialist from U.S. Dept. State, Sweden, 50. Spec. consult, labor div, War Prod. Bd, Wash. & mem. staff, Rubber Survey Cmt, 42; spec. consult, civilian personnel div, serv. supply, War Dept, 42-43; pub. panel mem. & hearing officer, War Labor Bd, Region I, Boston, 44-45; tech. adv. spec. policy cmt. collective bargaining, Cmt. Econ. Develop, New York, 46-48; mem. cmt. labor mkt. res. Soc. Sci. Res. Coun, 49-56; pub. mem., Presidential R.R. Cmn, 60-62. Econ. Asn; Indust. Rel. Asn. (pres, 62-); Acad. Arbit. Labor economics and management relations; personnel administration. Publ: Co-auth, Education, manpower and economic growth, 64 & Personnel administration, 5th ed, 65, McGraw; ed, The impact of computers on management, Mass. Inst. Tech, 67. Address: Sloan School of Management, Industrial Relations Section, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- MYERS, DR. C (HARLES) R (OGER), b. Calgary, Alta, Feb. 12, 06; m. 32; c. 2. PSYCHOLOGY. B.A. Toronto, 27, M.A. 29, Ph.D. (psychol), 37. Lectr. PSYCHOL, TORONTO, 31-37, asst. prof, 37-45, assoc. prof, 45-48, PROF, 48-, assoc. dean sch. grad. studies, 55-62, chmn. dept, 56-68. R.A.F. 41-45. Pres, Am. Asn. State Psychol. Bds. Consult, Ont. Dept. Health, 30-60. Psychol. Asn; Can. Psychol. Asn. (pres). Personnel selection. Address: Dept. of Psychology, University of Toronto, Toronto 5, Ont, Can.
- MYERS, CHARLES T (HOMAS), b. Shanghai, China, Aug. 4, 15; U.S. citizen; m. 47; c. 2. PSYCHOLOGY. B.A. Col. of Wooster, 36; M.A. Columbia, 47; Princeton, 47-53. Test administrator, Johnson O'Connor Res. Found, New York, 46-47; ASSOC. TEST DEVELOP, ED. TESTING SERV, 47- Res. scientist, Texas, 50; mem. co-adjutant staff, grad. sch, Rutgers, 57-60. U.S.A. 42-46, Sgt. Psychol. Asn; Coun. Measurement in Ed; Ed. Res. Asn. Educational measurement; score theory and item analysis; effects of time limits and test directions; nature of spatial relations tests. Publ: Factorial composition and validity of differently speeded tests & Note on the standard length of a test, Psychometrika; Effects of time limits on test scores, introduction, Ed. & Psychol. Measurement. Address: Educational Testing Service, Princeton, N.J. 08540.
- MYERS, DEAN CLARK EVERETT, b. Rossville, Kans, Oct. 19, 15; m. 42; c. 2. MANAGEMENT. B.S. Kansas, 39; M.B.A. 46; D.C.S. Harvard, 56. Instr. mgt, Kansas, 39-41; asst. prof, Texas, 47-49, assoc. prof, 49-53, chmn. dept, 50-53; lectr. mgt, grad. sch. bus. admin, Harvard, 53-54; prof. bus. admin. & dean col. commerce, Ohio, 54-57; dir. mgt. develop. inst, Lausanne, 57-60; lectr. mgt. grad. sch. bus. Harvard, 60-61; prof. & dean sch. bus. admin, Miami (Fla), 61-68; DEAN GRAD. SCH. BUS. EMORY, 68- Consult, adv. cmt. mgt, ed. & training, U.S. Dept. Defense, 65- U.S.N.R., 42-45, Lt. Fel. Acad. Mgt. Publ: Co-auth, The writing of the Gilbreths, 53. Address: Graduate School of Business, Emory University, Atlanta, Ga. 30322.
- MYERS, DR. DAVID G, b. Seattle, Wash, Sept. 20, 42; m. 63; c. 1. PSYCHOLOGY. B.A. Whitworth Col. (Wash.), 64; M.A. Iowa, 66, Nat. Sci. Found. fel. & Ph.D. (psychol), 67. ASST. PROF. PSYCHOL, HOPE COL, 67- Psychol. Asn. Enhancement of initial response tendencies in group discussion. Publ: Co-auth, Stimulus factors in conformity, J. Soc. Psychol. (in press). Address: Dept. of Psychology, Hope College, Holland, Mich. 49423.
- MYERS, DR. DAVID S (AMUEL), b. Quakertown, Pa, Dec. 6, 37; m. 61; c. 2. POLITICAL SCIENCE. B.S. West Chester State Col, 59; M.A. Lehigh, 61; Ph.D. (govt. polit), Maryland, 67. Asst. govt. & polit, Maryland, 62-65; ASST. PROF. POLIT. SCI, WEST VIRGINIA, 66-68; WEST FLORIDA, 68- Polit. Sci. Asn. International law and politics. Publ: Newspaper editorials and foreign affairs in the 1964 presidential campaign, Journalism Quart, 5/68; Syndicated columnists and foreign affairs in the American presidential campaign of 1964, Int. Rev. Hist. & Polit. Sci, 8/68. Address: Dept. of Political Science, University of West Florida, Pensacola, Fla. 32504.
- MYERS, DENYS P (ETER), b. Newton, Iowa, June 26, 84. INTERNATIONAL RELATIONS. A.B. Harvard, 06. Reporter, Democrat, Davenport, Iowa, 98-02; Herald, Boston, Mass, 03-06, news ed, Globe, 06; Christian Sci. Monitor, 08-10; with World Peace Found, 10-13, dir, 13-16, cor. secy. & librn, 16-27, dir. res, 27-42; res. librn, Fletcher Sch. Law & Diplomacy, 33-42; mem. staff, U.S. Dept. State, 42-53, Off. Legal Adv, 47-52; policy researcher, 52-53; CONSULT. INT. LAW, 53- Del. gen. assembly, Int. Inst. Agr, 24; Am. cmnr, treaty adv. peace, U.S. & Ecuador, 29- Mem. Coun. For. Rel. Polit. Sci. Asn; Soc. Int. Law (asst. treas, 50-56); Econ. Asn; Acad. Polit. Sci. International law; United States government practice in foreign policy; treaty structure and law. Address: 3041 Sedgwick St. N.W., Washington, D.C. 20008.
- MYERS, PROF. EUGENE A, b. Rep. of Lebanon, Mar. 10, 10; m. 40; c. 2. ECONOMICS. A.B. Pittsburgh, 34; A.M. 36; Ph.D. Columbia & Pittsburgh, 46. Instr. econ, Pittsburgh, 36-40; chief economist, Off. Price Admin, U.S. Dept. Navy, 40-42; dir. wage stabilization, maritime labor, Nat. War Labor Bd, 42-46; PROF. ECON. & PROG. COORDINATOR, INDONESIAN, BRAZILIAN & CENT. AM. LABOR TEAMS, PA. STATE, 47- Acad. Polit. & Soc. Sci. Public finance and taxation; labor economics; taxation and labor problems; collective bargaining and fiscal policy. Publ: Arabic thought and the Western World, Ungar, 64; co-auth, Changing patterns of state tax systems, Nat. Tax J, 65; auth, Ibn Khaldun, forerunner of 'new science', Muslim Digest, Durban, S.Africa, 12/66-1/67. Address: Dept. of Economics, Pennsylvania State University, University Park, Pa. 16801.
- MYERS, DR. FRANK E (ARLE), b. Los Angeles, Calif, July 21, 36; m. 56; c. 1. POLITICAL SCIENCE. B.A. California, Berkeley, 58; fel, Columbia, 61-62, Ph.D. (polit. sci), 65; London Sch. Econ, 62-63. ASST. PROF. POLIT. SCI, STATE UNIV. N.Y. STONY BROOK, 64- For. Area Training fel, 66-67; summers, State Univ. N.Y. faculty res. fels, 65, 66, consult, Metrop. New York Center Ed. in Polit, 66. Polit. Sci. Asn. British movement for unilateral nuclear disarmament; comparative mass movements; Italian party politics. Address: Dept. of Political Science, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- MYERS, DR. GARRY CLEVELAND, b. Sylvan, Pa, July 15, 84; m. 12; c. 3. CHILD PSYCHOLOGY, FAMILY RELATIONS. A.B. Ursinus Col, 09; Ph.D. Columbia, 13. Prof. psychol, Juniata Col, 13-14; Brooklyn Training Sch. Teachers, 14-18; head dept, Cleveland Sch. Ed, 20-27; ed, Children's Activities, 33-46; ED. HIGHLIGHTS FOR CHILDREN, 46- Sanit. C. U.S.A., 18-20. Fel. AAAS; fel. Psychol. Asn; Soc. Res. Child Develop. Memory; learning; child development; family life. Publ: Modern parent; Study of incidental memory; Creative thinking activities. Address: Boyds Mills, Pa. 18406.
- MYERS, PROF. GEORGE C (ARLETON), b. Brooklyn, N.Y, Apr. 8, 31; m. 54; c. 3. SOCIOLOGY, DEMOGRAPHY. B.A. Yale, 53; dipl, Stockholm, Sweden, 56; M.A. Washington (Seattle), 60; Ph.D. (sociol), Washington, 63. Field rep, State Census Bd, Wash, 57-60; instr. SOCIOL, California, Los Angeles, 60-62; asst. prof, Cornell, 62-66, assoc. prof, 66-68; PROF, DUKE, 68- Teach-inc assoc., Washington (Seattle), 57-59; dir. res, Puget Planners, Inc, Wash, 57-59; sr. officer, WHO, 68-70. Consult, youth studies center, Southern California, 61-62; sociol. resources secondary schs. prog, Am. Sociol. Asn, 65- U.S.A., 53-55. Pop. Asn; Sociol. Asn; Statist. Asn; Regional Sci. Asn; Eugenics Soc; Int. Union Sci. Study Pop. Study of comparative demography and urbanization; ecological studies of the urban community. Publ: Population dynamics of an Atoll community & co-auth, Fertility and migration in Puerto Rico, 66, Pop. Studies; auth, Variations in urban population structure, Demography, 64. Address: Dept. of Sociology, Duke University, Durham, N.C. 27706.
- MYERS, DR. HENRY ALLEN, Hist. Polit. Econ, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MYERS, HERMAN L, b. New Haven, Conn, Feb. 9, 18. ECONOMICS. B.S. Connecticut, 40; M.P.A. Harvard, 47, Littauer fel, 46-48, M.A. 48. Soc. Sci. analyst, bur. agr. econ, U.S. Dept. Agr, 40-42; economic statistician, War Prod. Bd, 42-44; int. economist, For. Econ. Admin, 44-46; agr. economist, mkt, U.S. Dept. Agr, 48-52; int. develop. economist, Agency Int. Develop, 52-66; sr. economist, Off. Econ. & Commercial Policy, BUR. LATIN AM, U.S. DEPT. STATE, 66-67, DEP. COUNTRY DIR, OFF. MEX. AFFAIRS, 67- Lectr, Georgetown, 48; George Washington, 49. Mem. Int. Conf. Agr. Econ, 55- Econ. Asn; Agr. Econ. Asn; Planning Asn. Economic development of Latin America and United States foreign assistance program. Publ: Technology in food marketing; Administration and control of foreign currencies; Positive program to rehabilitate the United States textile industry. Address: 8224 Lilly Stone Dr, Bethesda, Md. 20034.
- MYERS, PROF. H (OWARD) WILLIAM, b. Kansas City, Mo, Apr. 2, 18; m. 39; c. 2. SOCIOLOGY. A.B. William Jewell Col, 44; B.D. Yale, 48, S.T.M., 49, Danforth Found. grant, 58-59, Ph.D. 59. Asst. prof. relig. & social, Limestone Col, 49-51; asst. soc. ethics, divinity sch, Yale, 52-53; asst. prof. SOCIOL, OTTAWA (KANS), 54-56, assoc. prof, 56-59, PROF, 60-, DIR. HONORS SCH, 66- Chmn. midwest regional selection cmt, assoc. prog, Danforth Found, 65-68; mem, Nat. Collegiate Honors Coun, 66- Relation of the church and society; relation to the ethics of Christianity and the ethics of culture. Publ: Friendship across radical lines, Soc. Action; Youth for Christ, Motive; Ministry to faculty, Missions. Address: Dept. of Sociology, Ottawa University, Ottawa, Kans. 66067.
- MYERS, DR. JAMES E, b. San Francisco, Calif, Aug. 9, 31; m. 52; c. 2. ANTHROPOLOGY. A.B. Sacramento State Col, 56; M.Ed. Cornell, 57; Ph.D. (anthrop. & ed), California, Berkeley, 61. Teacher, pub. schs, Calif, 58-60; ASSOC. PROF. ANTHROP, CHICO STATE COL, 60- Res. grants, Chico State Col, 67, Nat. Study Indian Ed. 68. Consult. Yuba City Sch. Dist, 63-65; Nat. Defense Ed. Act Inst. Culturally Disadvantaged Children, Chico State Col, 65-67. U.S.N., 48-52. Anthropol. Asn; Ethnol. Asn. Cultural transmission; Hupa Indians; American education. Publ: Co-auth, Teaching in American culture, Holt, 68. Address: Dept. of Anthropology, Chico State College, Chico, Calif. 95926.
- MYERS, PROF. JAMES H (ARLAN), b. Omaha, Nebr, Jan. 11, 25; m. 52; c. 2. PSYCHOLOGY, STATISTICS. B.S. Wyoming, 46; Ph.D. Southern California, 56. Trainee, Joseph E. Seagram & Sons, Inc, Ky, 46-47; asst. psychol. res. center, Southern California, 47-50; trainee, Prudential Ins. Co, 50-59; assoc. prof. MKT, SOUTHERN CALIFORNIA, 59-64, PROF, 64- Adv. Human Factors Res, Inc, 61-; consult, Haug Assoc, 67- Psychol. Asn; Mkt. Asn; Statist. Asn. Numerical scoring systems for predicting credit risk; consumer behavior and taxonomy; attitude salience. Publ: Co-auth, Consumer behavior and marketing management, Houghton, 67; auth, Numerical scoring systems for evaluating retail credit; The management of marketing research, International, 68. Address: University of Southern California School of Business Administration, Los Angeles, Calif. 90007.
- MYERS, PROF. JEROME K (EELEY), b. Lancaster, Pa, Oct. 6, 21; m. 44; c. 3. SOCIOLOGY. B.A. Franklin & Marshall Col, 42; M.A. Yale, 47, Ph.D. (sociol), 50. Instr. SOCIOL, YALE, 49-54, asst. prof, 54-57, assoc. prof, 57-61, PROF, 61- U.S.A.A.F., 42-46, Sgt. Sociol. Asn. Social psychiatry; medical sociology. Publ: Co-auth, Family and class dynamics in mental illness & A decade later: a ten year follow-up of social class and mental illness, Wiley, 67. Address: 10 Westerly Rd, Hamden, Conn. 06518.
- MYERS, DR. JEROME L, b. Brooklyn, N.Y, Aug. 8, 32; m. 54; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Syracuse, 53; M.A. Wisconsin, 55, Ph.D. (psychol), 57. Asst. PSYCHOL, Wisconsin, 53-56; res. scientist, U.S. Naval Air Develop. Center, 56; asst. prof, MASSACHUSETTS, 57-61, assoc. prof, 61-65, PROF, 65- U.S. Pub. Health Serv. spec. fel, 62-63. AAAS; fel. Psy-

chol. Asn; Statist. Asn; Psychomet. Soc; Biomet. Soc; Psychonomic Soc. Mathematical models of behavior; experimental design and analysis. Publ: Fundamentals of experimental design, Allyn & Bacon, 66; co-auth, Choice behavior and reward structure, J. Math. Psychol, 64 & The role of event runs in probability learning, Psychol. Rev, 67. Address: Dept. of Psychology, Middlesex Bldg, University of Massachusetts, Amherst, Mass. 01002.

MYERS, PROF. JULIAN (SHERRY), b. Hartford, Conn, Mar. 24, 18; m. 42; c. 4. CLINICAL PSYCHOLOGY. B.A., City Col. New York, 39; M.A., Columbia, 42; Ph.D.(clin. psychol), N.Y. Univ, 53. Voc. counsr, Vet. Admin, 47-48; clin. psychologist, Inst. Phys. Med. & Rehab, 48-51; chief psycho-counsr. & voc. serv, Burke Found, 51-56; assoc. prof. ed. & coordinator rehab. counsr. training, Boston, 57-66; PROF. PSYCHOL, CINCINNATI, 66- State scholar, N.Y., 54. Consult, State Dept. Ment. Health, Mass. Med.Serv.C, 42-46, Capt. Psychol. Asn; Personnel & Guid. Asn; Rehab. Asn. Effect of hormones on personality; psychological aspects of physical disability; psychotherapy and personality theory; rehabilitation. Publ: Ed. & co-auth, An orientation to chronic disease and disability, Macmillan, 65; auth, Effect of testosterone on certain aspects of personality in male paraplegics. Address: 201 Teachers College, University of Cincinnati, Cincinnati, Ohio 45221.

MYERS, DEAN KENNETH H, b. Sioux City, Iowa, July 11, 19; m. 52; c. 2. INDUSTRIAL MANAGEMENT. A.B., Harvard, 47, M.B.A., 49; Ph.D.(bus. admin), Northwestern, 56. Instr. mkt. Northwestern, 50-52, res. assoc. bus. hist. & lectr. bus. admin, 52-54, lectr. prod. mgt, 54-55, assoc. prof, 55-60, prof, 60-66; PROF. BUS. ADMIN. & DEAN DIV. BUS, SOUTHERN ILLINOIS, EDWARDSVILLE, 66- U.S.N.R., 40-45, Lt. Comdr. Econ. Asn; Mkt. Asn; Acad. Mgt. Business history; operations management; management development. Publ: Co-auth, Designed for digging; Operations management; auth, SRDS, the national authority, Northwestern Univ, 68. Address: 410 E. 12th St, Alton, Ill. 62002.

MYERS, LAWRENCE, b. Humboldt, Iowa, July 14, 98; m. 24; c. 2. AGRICULTURAL ECONOMICS. B.S., Minnesota, 22; fel, Iowa State Col, 22-23, M.S., 23. Asst. Minnesota, 21-22, res. asst. & instr. agr. econ, 23-27; assoc. agr. economist, bur. agr. econ, U.S. Dept. Agr, 27-28, agr. economist, 28-29, sr. agr. economist, 29-33, prin. agr. economist & econ. adv. to agr. adjust. admin, 33-35, head agr. economist & chief cotton mkt. sect, 35-36, chief mkt. sect, 36-39, dir. gen. crops div, Commodity Credit Corp, 39-45, sugar div, 46-63; CHMN. BD, NAT. MOLASSES CO, PA, 63- Dir. textile, clothing & footwear div, UNRRA, 44-45; chmn, Int. Sugar Coun, 55; v-pres, Hawaiian Agron. Co, 63-; Wash. rep, C.Brewer & Co, Honolulu, 63- Distinguished serv. award, U.S. Dept. Agr, 55. U.S.A., 18. Prices, supply and demand for cotton and wool; domestic and foreign sugar programs; national and international regulatory and price support programs; molasses, ruminant nutrition; foreign agricultural development programs. Address: 5530 Prospect St, Chevy Chase, Md. 20015.

MYERS, LEROY O(RNER), b. Clearfield, Pa, Sept. 9, 13; m. 41. GEOGRAPHY. A.B., Pa. State, 37; A.M., Michigan, 38. Instr. pub. schs, Pa, 38-41; Pa. State Teachers Col, Slippery Rock, 41-42; Pa. State, 43-44; asst. prof. geog, Bowling Green State, 46-48; West Virginia, 48-62; PLANNING DIR, Central Lycoming Area Regional Planning Cmn, 62-64; CRAWFORD COUNTY PLANNING CMM, 64- Sears Roebuck Found. fel, 57-59. U.S.A., 44-46. Asn. Am. Geog; Nat. Coun. Geog. Ed; Inst. Planners. Urban geography; urban bombing. Publ: Geography and the war, Index; Status of spoil bank legislation in the Eastern bituminous coal province, Mechanization; Your college town becomes a city, Pa. State Engr. Address: Crawford County Planning Commission, Meadville, Pa. 16335.

MYERS, PROF. MARGARET G(OOD), b. Fremont, Ohio, Apr. 3, 99; m. 21; c. 1. ECONOMICS. A.B., Columbia, 20, A.M., 22, Ph.D., 31. Statistician, Fed. Reserve Bank, New York, 20-22; dir. res, East Harlem Nursing & Health Demonstration, 23-25; asst. Coun. Res. Soc. Sci., Columbia, 26-30; Soc. Sci. Res. Coun. fel, Paris, 31-32; Mem. ed. staff, Twentieth Century Fund, 33-34; prof. ECON, VASSAR COL, 34-64, EMER. PROF. 64- Econ. Asn; Statist. Asn; Finance Asn. The New York money market before 1913; Paris as a financial center; monetary proposals for social reform. Address: Box 75, Vassar College, Poughkeepsie, N.Y. 12601.

MYERS, DR. M(ARVIN) SCOTT, b. Doebay, Wash, Jan. 13, 22; m; c. 4. INDUSTRIAL PSYCHOLOGY. B.S., Purdue, 48, M.S., 49, Ph.D.(indust. psychol), 51. Suprv. personnel planning sect, Hughes Aircraft Co, 51-54; assoc. prof. pub. admin, inst. admin. affairs & chief personnel mgt. & res. center, Tehran, Iran, 54-57, training adv, govt. affairs inst, 57-59; develop. dir, TEX. INSTRUMENTS CO, 59-67, MGT. RES. CONSULT, 67- U.S.A., 46-47. Psychol. Asn. Organization development; motivation; management development. Publ: Who are your motivated workers?, 1-2/64 & Conditions for manager motivation, 1-2/66, Harvard Bus. Rev; Every employee a manager, Calif. Mgt. Rev, spring 68. Address: 5928 Dublin St, Dallas, Tex. 75205.

MYERS, DR. MAVEN J, b. Scranton, Pa, Dec. 5, 39. PHARMACY ADMINISTRATION. B.Sc., Phila. Col. Pharm, 61; M.Sc., Wisconsin, 63, Ph.D. (pharm), 66; LL.B., Pennsylvania, 66. ASST. PROF. PHARMACY ADMIN, PHILA. COL. PHARM, 66- Consult, Dept. Health, Ed. & Welfare, 67- Pharmaceut. Asn; Col. Apothecaries; Mkt. Asn; Mgt. Asn; Inst. Hist. Pharmacy. Medical restraints of trade; efficiency of research and development; health economics; reimbursement for pharmaceutical services. Publ: Pharmaceutical innovation, 11-12/66 & The professional fee, 1-2/67, Am. J. Pharmacy; Administrative inspection of health facilities as unreasonable searches, Food-Drug-Cosmetic Law J, 8/67. Address: Philadelphia College of Pharmacy & Science, 43rd St. & Kingsessing Ave, Philadelphia, Pa. 19104.

MYERS, DR. MAX, b. Ireton, Iowa, Sept. 5, 13; m. 40; c. 2. AGRICULTURAL ECONOMICS. B.S., S.Dak. State Col, 38; M.S., Cornell, 42, Ph.D.(agr. econ), 50. From asst. prof. to assoc. prof. agr. econ, S.Dak. State, 46-49, prof, 50-58, head dept, 50-57, dir. agr. exp. sta, 57-58; adminstr, For. Agr. Serv, U.S. Dept. Agr, 58-61; PROF. ECON, S.DAK. STATE, 61-66, 68-, COORDINATOR PUB. LAND STUDY & CHMN. FORUM, INC, 68- Econ. consult, Nat. Adv. Cmn. Weather Control, 54-; consult. agr. policy, State of Minas Gerais, Brazil, 64-67. U.S.A., 42-46, Res, 46-, Col. Econ. Asn; Am. Agr. Econ.

Asn.(award, 50); Int. Asn. Agr. Econ. International agricultural policy and trade; farm management and tenure; weather and agriculture. Publ: Ed. & co-auth, Ours to hold it high; auth, Keeping your farm in the family, Bull. S.Dak. Agr. Exp. Sta; Farm tenure processes in South Dakota. Address: Sunnyview Farm, Route 3, Brookings, S.Dak. 57006.

MYERS, PROF. M(ERLE) W(ENTWORTH), b. Belleville, Ill, Nov. 18, 13; m. 40; c. 2. ECONOMIC GEOGRAPHY. B.S., Illinois, 36; M.A., Clark, 37, Ph.D.(geog), 48. Instr. GEOG, Mich. State, 37-38; asst. prof, Peabody Col, 39; prof, Troy State Teachers Col, 39-40; asst. prof, MISS. STATE, 40-42, assoc. prof, 42-54, PROF, 54-, acting head dept, 43-45. Asn. Am. Geog; Am. Geog. Soc; Nat. Coun. Geog. Ed. Economic geography; geography of North America; Southern resources; Mississippi geography. Address: Dept. of Geology & Geography, Drawer GG, Mississippi State University, State College, Miss. 39762.

MYERS, DR. MILTON LINWOOD, b. Danielson, Conn, June 7, 26; m. 57. ECONOMICS. B.A., Connecticut, 52, M.A., 53; summer fel, Illinois, 56, Ph.D., 59. Instr. ECON, CONNECTICUT, 56-64, asst. prof, 64-68, ASSOC. PROF, 68- U.S.N., 44-46. Philosophical preconceptions underlying economic thought. Publ: Division of labour as a principle of social cohesion, Can. J. Econ. & Polit. Sci, 8/67. Address: Dept. of Economics, University of Connecticut, Waterbury, Conn. 06710.

MYERS, DR. NANCY ANGRIST, b. New York, N.Y., May 15, 32; m. 54; c. 2. PSYCHOLOGY. B.A., Mt. Holyoke Col, 52; M.A., Wisconsin, 54, Ph.D.(psychol), 57. Res. assoc. psychol, Mt. Holyoke Col, 52-53; asst, Wisconsin, 54-56; vis. lectr, MASSACHUSETTS, 58-61, res. assoc. PSYCHOL, 59-65, asst. prof, 65-68, ASSOC. PROF, 68- Psychol. Asn. Experimental child psychology; secondary reinforcement in children's learning. Publ: Extinction following partial and continuous primary and secondary reinforcement, J. Exp. Psychol; co-auth, Secondary reinforcement as a function of the number of reinforced trials, Child Develop. Address: Dept. of Psychology, University of Massachusetts, Amherst, Mass. 01002.

MYERS, DR. PATRICIA I(RENE), b. Goodland, Kans, May 15, 29. SPEECH PATHOLOGY. B.A., Texas A&I, 51; M.Ed., Texas, 54, Ed.D.(ed. psychol), 63. Speech therapist, pub. schs, Tex, 52-56; teacher, Tex. Rehab. Center, 56-60; asst. ed. psychol, Texas, 62-63; asst. prof. ed, La. State, 63-64; SPEECH PATH, OUR LADY OF THE LAKE COL, 64-65, ASSOC. PROF, 65- Nat. consult, Proj. Headstart, 67. Speech & Hearing Asn; Psychol. Asn; Coun. Expt. Children. Publ: Educational diagnosis of brain-injured children, CEC Monogr, 64; Language disabilities of cerebral palsied children, J. Speech & Hearing Res, 65; Certain linguistic skills of cerebral palsied children, Perceptual & Motor Skills, 68. Address: Dept. of Speech Pathology, Our Lady of the Lake College, San Antonio, Tex. 78207.

MYERS, PAUL F(REDRICK), b. Turtle Creek, Pa, Dec. 17, 16; m. 41; c. 2. SOCIOLOGY. B.A., Alabama, 41. Statistician, U.S. Dept. Navy, 48-51; from statistician to CHIEF, FOR. DEMOG. ANAL. DIV, U.S. BUR. CENSUS, 51- U.S.A., 43-46. Sociol. Asn; Pop. Asn; Statist. Asn; Int. Union Sci. Study Pop. Demography. Publ: Co-auth, Population of the Federal Republic of Germany and West Berlin, Population of Yugoslavia & Assimilation of the expellees in the Federal Republic of Germany, Pop. Bull, UN. Address: 12811 Cristfield Rd, Silver Spring, Md. 20906.

MYERS, DR. RAMON HAWLEY, b. Toledo, Ohio, Aug. 31, 29; m. 54; c. 2. ECONOMICS. B.A., Washington (Seattle), 54, M.A., 56, Ford Found. fel, 58-59, Ph.D., 60. Asst. prof. econ, Hawaii, 59-64; res. fel. Asian econ. develop, Res. Sch. Pac. Studies, Australian Nat. Univ, 64-67; res. assoc, E.Asian Res. Center, Harvard, 67-68; MEM. FACULTY ECON, MIAMI (FLA), 68- Cornell fel. Chinese lang. study, Taipei, Taiwan, 60-61. Med.C, U.S.A., 49-52. Econ. Asn; Asn. Asian Studies; Econ. Hist. Asn. East Asian agricultural development, particularly the peasant economy. Publ: The Chinese peasant economy, Harvard, 69; Cotton textile handicraft and the development of the cotton textile industry in modern China, Econ. Hist. Rev, Second Series, Vol. XVIII, No. 2; The usefulness of local gazetteers for the study of modern Chinese economic history: Szechuan Province during the Ch'ing and Republican periods, Tsing Hua J. Chinese Studies, New Series VI, No. 1 & 2. Address: Dept. of Economics, University of Miami, Coral Gables, Fla. 33124.

MYERS, DR. RAYMOND HAROLD, b. Charleston, W.Va, Oct. 13, 37; m. 59; c. 2. MATHEMATICAL STATISTICS. B.Sc., Va. Polytech, 59, M.Sc., 61, Ph.D.(statist), 64. Asst. prof. STATIST, VA. POLYTECH, 62-63, ASSOC. PROF, 63- Statist. Asn. Experimental design and analysis; response surface techniques. Publ: Prediction of the composition of a ternary liquid mixture, Technometrics, 64; co-auth, Comments on estimators for the negative binomial distribution, 65 & Orthogonal statistics, 65, Proc. Symp. Contagious Distributions. Address: Dept. of Statistics, Virginia Polytechnic Institute, Blacksburg, Va. 24060.

MYERS, PROF. RICHARD R(UTLEDGE), b. Lebanon, Ill, Apr. 24, 12. SOCIOLOGY, ANTHROPOLOGY. A.B., Missouri, 33; Ph.D., Michigan, 45. Instr. sociol, Michigan, 39-45; asst. prof. SOCIOL. & ANTHROP, Mich. State Col, 46-47; assoc. prof, OBERLIN COL, 48-50, PROF, 51- Sociol. Asn. Address: Dept. of Sociology & Anthropology, Oberlin College, Oberlin, Ohio 44074.

MYERS, PROF. ROBERT D(URANT), Exp. Psychol, see 11th ed, Phys. & Biol. Vols.

MYERS, PROF. ROBERT H(ARRY), b. Muncie, Ind, May 19, 19; m. 44; c. 4. MARKETING, ECONOMICS. A.B., Kenyon Col, 41; M.B.A., Indiana, 48, D.B.A., 52. Instr. MKT, MIAMI (OHIO), 49-50, asst. prof, 50-52, assoc. prof, 52-60, PROF, 60-, DIR. GRAD. PROG. ED. IN FAMILY FINANCE, 55-, DIR. BUR. BUS. RES, 63-, ASSOC. DEAN, 68- Area econ. analyst, Oxford Improv. Corp, 65-, award, 66. Consult, 54- Med.C, 42-46, Lt. Mkt. Asn. Department store merchandising. Address: School of Business Administration, Miami University, Oxford, Ohio 45056.

- MYERS, DR. ROBERT J(ULIUS), b. Lancaster, Pa, Oct. 31, 12; m. 38; c. 2. STATISTICS. B.S. Lehigh, 33; M.S. Iowa, 34; LL.D. Muhlenberg Col, 64. Jr. actuary, Cmt. Econ. Security, 34-35; R.R. Retirement Bd, 35-36; actuarial mathematician, Soc. Security Bd, 36-47; CHIEF ACTUARY, SOC. SECURITY ADMIN, 47- Actuarial consult, cong. cmts, 45- U.S.A. 43-45, Capt. Statist. Asn; Soc. Actuaries; Pop. Asn; Inst. Actuaries, Gt. Brit. Actuarial mathematics; social security; demography. Publ: Social insurance and allied government programs, Irwin, 66; Economic security in the Soviet Union, Trans. Soc. Actuaries; Interpreting mortality after retirement, J. Am. Statist. Asn. Address: Social Security Administration, Washington, D.C. 20201.
- MYERS, DR. ROBERT L(EONARD), b. Philadelphia, Pa. Nov. 29, 30; m. 53; c. 2. PSYCHOLOGY. B.A. Temple Univ, 52, M.A. 53, Ph.D. 58. Psychologist, Magee Mem. Hosp. Convalscent, 58-63; psychologist, East. Pa. Psychiat. Inst, 63-64; instr. & psychologist, HAHNEMANN MED. COL, 64-66, clin. instr, 66-68, CLIN. ASST. PROF, 68-, CHIEF PSYCHOLOGIST, CHILD PSYCHIAT. OUTPATIENT DEPT, 66- Lectr. col. art, Phila. Mus, 59-67; clin. psychologist, Sidney Hillman Med. Center, 64-67. Psychol. consult, Matthews Sch, 67- Psychol. Asn. Mental, physical, and psychological aspects of illness; development and refinement of projective techniques of personality assessment. Address: 1203 Cromwell Rd, Wyndmoor, Pa. 19118.
- MYERS, DR. ROGER A(LAN), b. Cincinnati, Ohio, Aug. 21, 30; m. 52; c. 1. PSYCHOLOGY. B.A. Bradley, 52; M.A. Ohio State, 55, Ph.D.(psychol). 59. Asst. prof. psychol. & dir. counseling center, North Dakota, 59-63; asst. prof. PSYCHOL. & ED. TEACHERS COL, COLUMBIA, 63-65, ASSOC. PROF, 65- Training consult, Vet. Admin, 63-; res. consult, Fountain House Found, 64-; consult. voc. rehab, prfl. exam. serv. Am. Pub. Health Asn, 65- U.S.A.F, 52-54, Res. 54-58, Capt. Psychol. Asn; Personnel & Guid. Asn. Interpersonal influence, especially the process of counseling and psychotherapy; self-concept measurement; computer applications to counseling. Publ: Co-auth, interviewer behavior as a function of standardized client roles, 63 & The effects of interviewer style in a standardized interview, 66, J. Consulting Psychol; auth, Research in counseling psychology—1964, J. Counseling Psychol, 66. Address: Dept. of Psychology & Education, Teachers College, Columbia University, New York, N.Y. 10027.
- MYERS, PRES. SAMUEL L(LOYD), b. Baltimore, Md, Apr. 18, 19; m. 43; c. 3. ECONOMICS. A.B. Morgan State Col, 40; M.A. Boston, 42; M.A. Harvard, 48, Ph.D.(econ), 49. Res. assoc, Harvard, 49; economist, bur. labor statist, U.S. Dept. Labor, 50; prof. econ, Morgan State Col, 50-63; financial adv. Bur. Inter-Am. Affairs, U.S. Dept. State, 63-67; PRES, BOWIE STATE COL, 67- Pres, Coun. Consumer Info, 62- U.S.A. 42-46, Capt. Econ. Asn; Mkt. Asn. Consumption and marketing. Publ: Textile and apparel testing and labeling; economic consumer series. Address: R.D.1, Box 1038, Bowie, Md. 20715.
- MYERS, DR. SHELDON S(TEPHEN), b. Norwood, Ohio, Apr. 13, 17. MATHEMATICS. B.Sc. Cincinnati, 41, B.E. 42, M.Ed. 46; Ph.D.(math, ed), Ohio State, 55. Teacher, high schs, Ohio, 41-45, 53-55, pub. schs, 45-46; state high sch, West. Mich. Col, 46-48; univ. high sch, Ohio State, 48-51, instr. math. & supvr. student teaching, 51-53; head math. sect, TEST DEVELOP. DIV, ED. TESTING SERV, 55-65, CHMN. MATH. DEPT, 65. Math. Asn; Nat. Coun. Measurement in Ed; Nat. Coun. Teachers Math. Teaching of mathematics; measurement of mathematical aptitude; achievement testing in mathematics. Publ: Mathematics tests available in the United States; Published evaluation materials in mathematics and annotated bibliography of mathematics tests; The kinds of thinking required in current mathematics tests, N.J. Math. Teacher. Address: Educational Testing Service, Princeton, N.J. 08540.
- MYERS, DR. THOMAS I(RVIN), b. Topeka, Kans, Nov. 19, 27; m. 51; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Yale, 49; M.A. Iowa, 51, Ph.D.(psychol), 52. RES. PSYCHOLOGIST, NAVAL MED. RES. INST, 63- U.S.A. 53-55. AAAS; Psychol. Asn. Sensory deprivation; human isolation research; stress and motivation; small group behavior. Publ: Sensory and perceptual deprivation, Walter Reed Army Inst. Res, 64; co-auth, Experimental studies of sensory deprivation and social isolation, HumRRO, 66; auth, Tolerance for sensory and perceptual deprivation, In: Sensory deprivation, Appleton, (in press). Address: Naval Medical Research Institute, Bethesda, Md. 20014.
- MYERS, VERNE STEELE, b. Hillsdale, Mich, Apr. 11, 07; m. 32; c. 2. STATISTICS. B.S. Hillsdale Col, 30; B.S. Columbia, 32, M.S. 35, Brigham fel, 40. Develop. engr, Tex. Corp, 32-34; M.W. Kellogg Co, 34; econ. statistician, Tidewater Oil Co, 35-41; SUPVR. MGT. PLANNING, LOCKHEED AIRCRAFT CORP, 41- Lectr, Pasadena City Col, 54-56; Southern Calif, 56- Statist. Asn; Economet. Soc; Opers. Res. Soc; Inst. Indust. Eng; Soc. Eng. Ed. Statistical relationships existing in economic factors in the general economy; the petroleum industry. Address: 4610 Commonwealth, La Canada, Calif. 91011.
- MYHR, DR. ROBERT O, b. Minneapolis, Minn, Jan. 29, 38; m. 62; c. 1. POLITICAL SCIENCE. B.A. Amherst Col, 60; M.I.A. Columbia, 62, Ph.D.(pub. law), 68. Fulbright res. grant to Brazil, 63; ASST. PROF. POLIT. SCI, WASHINGTON (SEATTLE), 66- Polit. Sci. Asn; Int. Studies Asn. Comparative politics; international relations; political recruitment; Brazilian politics. Publ: O estudante pernambucano nos séculos XVIII e XIX, Revista Brasileira de estudos políticos, 65; Cultural nationalism in the Brazilian student movement, U.S. Nat. Student Asn, 65. Address: Dept. of Political Science, University of Washington, Seattle, Wash. 98105.
- MYHRMAN, DR. A(NDERS) M(ATTSON), b. Purmo, Finland, May 19, 88. SOCIOLOGY. A.B. Minnesota, 20; A.M. Pennsylvania, 25; Ph.D. Chicago, 37. Asst. prof. sociol, Bates Col, 25-32, assoc. prof, 32-38, prof, 38-57, head dept. soc. sci, 50-57; RES. & WRITING, 57- Vis. lectr, Swedish Univ, Finland, 49; vis. prof, Hawaii, 50. Sociol. Asn. Swedish nationality movement in Finland; nationalism; the family. Publ: Memorabilia of Order of Runeberg, Order of Runeberg, 68; Finlandssvenska immigranter i Amerika, Svenska Litteratursällskapet i Finland, 68. Address: 429 Main St, Lewiston, Maine 04240.
- MYKLEBUST, DR. HELMER R, b. Lester, Iowa, Aug. 2, 10; m. 35. PSYCHOLOGY, LANGUAGE PATHOLOGY. B.A. Augustana Col, 33; M.A. Gallaudet Col, 35, Litt.D. 58; M.A. Temple, 42; fel, Vineland Training Sch, 42-43; Ed.D. Rutgers, 45. PROF. LANG. PATH. SCH. SPEECH, PSYCHOL, COL. LIBERAL ARTS & NEUROL. & PSYCHIAT, SCH. MED, NORTHWESTERN & DIR, INST. LANG. DISORDERS, 48- Consult, U.S. Off. Ed, 59-; Dept. Health, Ed. & Welfare, 59-; U.S. Pub. Health Serv, 59-; Nat. Inst. Neurol. Diseases & Blindness, 59- Award merit, Conf. Exec. Am. Schs. Deaf, 60. Chief psychologist, Med. Adv. Bd, 42-45. AAAS; Psychol. Asn; Acad. Neurol; Asn. Ment. Deficiency; Personnel & Guid. Asn; Coun. Excep. Children (award distinguished serv, 65). Relationship of learning and learning disabilities to brain function; language disorders and the psychological effects of deafness. Publ: The psychology of deafness; The development and disorders of written language, Vol. I, 65 & ed, Progress in learning disabilities, Vol. I, 68, Grune. Address: Institute for Language Disorders, Northwestern University, Evanston, Ill. 60201.
- MYLES, PROF. J(ACK) C(ARROLL), b. Patchogue, N.Y, Aug. 16, 23; m. 52; c. 3. ECONOMICS. A.B. Union Col, 49; Southeast fel, Princeton, 50-51, M.A. 51, Ph.D. 56. Instr. econ, Col. of Wooster, 51-54; Utica Col, 56-60; ASSOC. PROF. ECON. & CHMN. DEPT. ECON. & FINANCE, HARTFORD, 60-, DEAN SCH. BUS. & PUB. ADMIN, 66- Res. assoc, Princeton, 51, 52, 55. U.S.A. 42-46. Econ. Asn. Public finance; money and banking; managerial economics; statistics. Address: 77 Walden St, West Hartford, Conn. 06107.
- MYLES, PROF. WILLIAM R(ICHARD), JR, b. Pittsburgh, Pa, Nov. 28, 22; m. 46; c. 3. INDUSTRIAL RELATIONS. B.S. Pittsburgh, 48, A.M. 49. From asst. prof. to ASSOC. PROF. ECON. & BUS. ADMIN, AUBURN, 49-, res. grant-in-aid, 53-55. Consult, Brown-Lipe-Chapin Div, Gen. Motors Corp, 53; Irwin Mica Div, Westinghouse Elec. Corp, 56; Houston Prod. Dist, Gulf Oil Corp, 61. U.S.A.F, 42-45, Res. 45-, Maj; Distinguished Flying Cross. Soc. Personnel Admin. Personnel management; wage determination. Publ: Personnel practices in the South & Unionism and personnel practices in the Southeast, Indust. & Labor Rels. Rev; How does your personnel program shape up?, Textile Indust. Address: 625 Sanders, Auburn, Ala. 36830.
- MYREN, DR. DELBERT T, b. Eleva, Wis, Nov. 13, 25; m. 52; c. 2. MASS COMMUNICATIONS. B.A. Wisconsin, 51, M.S. 53, Ph.D. 55. Asst. info. specialist, ROCKEFELLER FOUND, MEX, 55-60, assoc. info. specialist, 60, INFO. SPECIALIST, 61- Vis. prof, Wisconsin, 62-63. U.S.N. 46-47. Rural Sociol. Soc; Am. Agr. Econ. Asn; Int. Asn. Agr. Econ. Diffusion of information and introduction of technological change. Publ: Bibliography: communications in agricultural development, Rockefeller Found, 65; Training for extension work in Latin America, Am. Latina, 4-6/64; The role of information in farm decisions under high risk and uncertainty, Role of Commun. Agr. Develop, 10/64. Address: Rockefeller Foundation, Londres 40, Mexico 6, D.F.
- MYRICK, DR. RICHARD, b. Santa Barbara, Calif, Sept. 2, 20; m. 53. PSYCHOLOGY. A.B. Princeton, 43; M.A. Claremont Col, 50, Ph.D.(psychol), 54. Instr. Oregon, 52-53, asst. prof, 55-56; psychol. Woman's Col, North Carolina, 53-55; training specialist, Rand Corp, 56; Syst. Develop. Corp, 57-58; mgt. consult, 58-62; sr. scientist, George Washington, 62-67; PROJ. MGR, PERFORMANCE RES, INC, 67- U.S.A. 43-46. Psychol. Asn. Problem solving; behavioral factors in architectural design. Address: 1689 32nd St. N.W, Washington, D.C. 20007.
- N
- NAAMANI, PROF. ISRAEL T, b. Zhitomir, U.S.S.R, Nov. 3, 13; nat; m. 40; c. 2. POLITICAL SCIENCE. Ph.B. Marquette, 35; Chicago, 36-37; M.A. Indiana, 43, fel, 43-45, Ph.D. 45. Dir. Bnai Israel Schs, Ill, 44-46; exec. dir. Jewish Ed. Asn, Calif, 46-48; lectr. hist. & polit. sci, LOUISVILLE, 49-59; assoc. prof. POLIT. SCI, 59-64, PROF, 64- Exec. dir, Bur. Jewish Ed, Ky, 48-64. Nat. Asn. Prof. Hebrew (pres, 63-65); Am. Polit. Sci. Asn; Mid. East Studies Asn; Inst. Mediterranean Affairs. Political ideas and institutions of the Near East; Kurdish drive for self-determination; minorities in the Middle East. Publ: Kremlin and the Minaret; co-auth, Doron: Hebraic studies, Nat. Asn. Prof. Hebrew & Near East Studies, 65; The theism of Lord Balfour, Hist. Today, 10/67. Address: 2804 Lime Kiln Lane, Louisville, Ky. 40222.
- NACEWSKI, DR. RICHARD M(ICHAEL), b. Brooklyn, N.Y, Feb. 9, 30; m. 53; c. 2. CLINICAL PSYCHOLOGY. B.A. N.Y. Univ, 51; M.A. Long Island, 53; Ph.D.(clin. psychol), La. State, 61. Asst. psychologist tuberc. patient rehab, Pollak Hosp. for Chest Diseases, Jersey City, N.J., 52-53; psychol. technician, Air Force Clin, Sampson Air Force Base, 53-54, clin. psychologist, U.S. Air Force Hosp, Lackland, Tex, 55-58, grad. training, La. State, 58-61, chief clin. psychologist, U.S. Air Force Hosp, Tachikawa, Japan, 61-64, asst. chief psychol. serv, Wilford Hall U.S. Air Force Hosp, Lackland, 64-65, chief psychol. serv, 65-67; DIR. DEPT. PSYCHOL, SANTA ROSA MED. CENTER, 67- Statist. asst, Mt. Vernon Ment. Hyg. Clin, 52-53; psychol. asst, Cath. Charities of New York, 52-53; dir. personal & soc. adjustment training, Halfway House for Men & Pryor House, San Antonio, Tex, 67- Psychol. consult, dept. psychiatrist, Wilford Hall U.S. Air Force Hosp. & fed. offenders rehab. proj, Tex. Ed. Agency, 67-; Archdiocese of San Antonio, 68- Dipl. clin. psychol, Am. Bd. Exam. Prinf. Psychol, 66. U.S.A.F, 53-67, Capt. Psychol. Asn; Nat. Rehab. Asn. Validation of projective techniques; cultural variants of emotional problems. Address: Dept. of Clinical Psychology, Santa Rosa Medical Center, 745 W. Houston St, San Antonio, Tex. 78207.
- NACHLAS, DR. MORTON deCORCEY, b. Baltimore, Md, Feb. 14, 13; m. 43; c. 2. SOCIOLOGY, ANTHROPOLOGY. A.B. Hopkins, 39; B.D. Chicago & Meadville Theol. Sch, 42; Cert. Grad. Sch. Appl. Relig, 41; M.A. Ohio State, 46, Ph.D.(sociol, anthrop), 49. Assoc. prof. sociol, Lynchburg Col, 49; opers. analyst, opers. res. off, Hopkins, 52; vis. prof. sociol, Champlain Col, 52-53; prof. soc. studies & chmn. div, Lake Erie Col, 53-55; prof. sociol. & head dept. sociol. & econ, Cedar Crest Col, 55-56; prof. sociol. &

anthrop. & chmn. dept, Wis. State Col. (Oeshkosh), 56-64; ASSOC. PROF. 90-CIOL, WISCONSIN, PARKSIDE, 64- Fel. econ-in-action prog, Case Inst. Tech, 61; State Col. Bd. Regents res. grant study of selected parents toward muscular retardation in their own families, 63. Marriage & family counsr. Fel. Sociol. Asn; Nat. Coun. Family Rel. Social psychology; race relations; sociological theory; research and methodology. Publ: Critical study of two conflicting proposals for reorganizing secondary education, Bull. Nat. Asn. Sec. Sch. Prin, 48; Study of attitudes parents, school administrators and sch. clergymen toward religious instruction in the high school, Briefs of Dissertations, Ohio State Univ, 50. Address: Dept. of Sociology, University of Wisconsin, Racine, Wis. 53403.

NACHMAN, DR. MARVIN, b. New York, N.Y., Nov. 28, 28; m. 57; c. 2. PHYSIOLOGICAL PSYCHOLOGY. B.A. N.Y. Univ, 48; M.A. Boston, 49, Ph.D. 54. Asst. prof. PSYCHOL, Colorado, 53-58; CALIFORNIA, RIVERSIDE, 58-64, ASSOC. PROF, 64- U.S. Pub. Health Serv. fel, 61-62; Nat. Insts. Health spec. fel, Brown, 61-62. AAAS; Psychol. Asn. Brain mechanisms in learning and motivation. Publ: Inheritance of saccharin preference, J. Comp. Physiol. Psychol; Influence of size and shape on the discrimination of visual intensity, Am. J. Psychol; Effects of different teaching methods; a methodological study, J. Ed. Psychol. Address: Dept. of Psychology, University of California, Riverside, Calif. 92502.

NACHMIAS, PROF. JACOB, b. Athens, Greece, June 9, 28; nat; m. 55; c. 2. EXPERIMENTAL PSYCHOLOGY. A.B. Cornell, 50; M.A. Swarthmore Col, 52; Fulbright fel, Cambridge, 52-53; Ph.D.(psychol), Harvard, 56. Instr. PSYCHOL, Swarthmore Col, 57-59, asst. prof, 59-61; PENNSYLVANIA, 61-63, assoc. prof, 63-66, PROF, 66- Psychol. Asn; Psychonomic Soc; Optical Soc. Physiological optics; perception. Address: Dept. of Psychology, University of Pennsylvania, Philadelphia, Pa. 19104.

NADDOR, DR. ELIEZER, Opers. Res, see 11th ed, Phys. & Biol. Vols.

NADEL, DR. AARON B, b. New York, N.Y., July 31, 11; m. 37; c. 4. PSYCHOLOGY. B.S.S. City Col. New York, 32; Ph.D.(psychol), Columbia, 38. Proj. planner & proj. planning supvr. psychol, ed, health & welfare, Works Progress Admin, N.Y., 38-41, res. statistician & med. res. officer psychol, health, statist. & welfare, D.C. 41-42; statist. analyst psychiat. res. serv, off. adminstr. Vet. Admin, 46-47, spec. asst. chief psychiatrist, & neurol. dept. med. & surg, 47-50; from dep. exec. dir. to exec. dir, cmt. human resources, res. & develop. bd, U.S. Dept. Defense, 50-53, exec. secy. coord. cmt. personnel & training & secy. adv. plan. personnel & training res, off. asst. secy. defense, 53-57; psychologist, tech. mil. planning oper, Gen. Elec. Co, 57-66; ASSOC. DIR. ED. SERV. DIV. GEN. LEARNING CORP, 66- From instr. to asst. prof, med. sch, Georgetown, 47-49; lectr, Ohio State, 57. Asst. Montefiore Hosp, New York, 36-38; consult, div. psychol. & soc. sci, Off. Dir. Defense Res. & Eng. Private clin. consult, 49- Dipl. Am. Bd. Exam. Prfnl. Psychol, 50. U.S.N.R. 42-45. Fel. Psychol. Asn; Human Factors Soc; Aerospace Med. Asn. Military psychology; psychophysiology. Publ: Man in space series; Qualitative analysis of behavior following cerebral lesions, Arch. Psychol; co-auth, Need for uniform discharge statistics in public psychiatric hospitals, Am. J. Psychiat. Address: 3001 Veazey Terr. N.W., Washington, D.C. 20008.

NADELMAN, DR. LORRAINE (MRS. SIDNEY WARSCHAUSKY), b. New York, N.Y., May 12, 24; m. 53; c. 3. PSYCHOLOGY. B.A. N.Y. Univ, 45, Ph.D. 53. Instr. PSYCHOL, N.Y. Univ, 48-51; ASST. PROF, Mt. Holyoke Col, 51-55; MICHIGAN, 62- Nat. Sci. Found. sci. faculty fel, Tavistock Clin, London, 65-66. Psychol. Asn. Experimental child psychology; research on thinking; training laboratories in developmental psychology; sex identity. Publ: Influence of concreteness and accessibility on concept-thinking, Psychol. Reports. Address: 1412 Brooklyn Ave, Ann Arbor, Mich. 48104.

NADER, DR. LAURA, b. Winsted, Conn, Sept. 30, 30; m. 62; c. 2. CULTURAL ANTHROPOLOGY. B.A. Wells Col, 52; Ph.D.(anthrop), Radcliffe, 61. Asst. prof. ANTHROP, CALIFORNIA, BERKELEY, 60-65, ASSOC. PROF, 65-66. Center Adv. Study Behav. Sci, 63-64; Nat. Sci. Found. grant, 65-66. Anthropol. Soc. Ethnography of law; comparative method; Middle East; Indians of Latin America. Publ: Talea and Juquila: a comparison of Zapotec social organization, Univ. Calif. Pub. Am. Archaeol. & Ethnol, 64; co-auth, Conflict resolution in two Mexican communities, 6/63 & ed, The ethnography of law, spec. issue, 12/65, Am. Anthropologist. Address: Dept. of Anthropology, University of California, Berkeley, Calif. 94720.

NADESAN, DR. ALEXANDER G, b. Indonesia, Nov. 10, 35; U.S. citizen; m. 60; c. 2. POLITICAL SCIENCE, INTERNATIONAL LAW. LL.B. Islamic Univ, N.Sumatra, 56; Smith-Mundt grant, Gustavus Adolphus Col, 56-58, B.A. 58; M.A. Minnesota, 61; Ph.D.(int. rels), American Univ, 68. Interpreter, U.S. Dept. State, 63-64; ASSOC. PROF. POLIT. SCI, BEMIDJI STATE COL, 65- Summer lectr, Wartburg Col, 65. Polit. Sci. Asn; Soc. Int. Law. Southeast Asian Far Eastern governments and politics. Publ: A proposal on the law of the sea, Minn. Acad. Sci, 67. Address: Dept. of Political Science, Bemidji State College, Bemidji, Minn. 56601.

NADLER, PROF. EUGENE B(YRON), Soc. Psychol, see 10th ed, Soc. & Behav. Vols.

NADLER, PROF. GERALD, Indust. Eng, see 11th ed, Suppl. IV to Phys. & Biol. Vols.

NADLER, PROF. M(ARCUS), Finance, see 10th ed, Soc. & Behav. Vols, deceased 65.

NADLER, DR. PAUL S(TEPHEN), b. New York, N.Y., Apr. 2, 30; div; c. 1. FINANCE, ECONOMICS. A.B. Brown, 51; M.A. Wisconsin, 53; Ph.D.(econ), N.Y. Univ, 58. Asst. prof. FINANCE, Rutgers, 58-61; N.Y. UNIV, 61-64, ASSOC. PROF, 64- Mem. faculty, Stonier Grad. Sch. Banking, 59-; acad. dir, Int. Bus. Mach. Adv. Indust. Banking Sch, 59- Consult, data processing div, Int. Bus. Mach. Banking Dept, 61; econ. consult, Nat. Community Bank, N.J.; Denver U.S. Nat. Bank, Colo; Old Kent Bank & Trust Co, Mich, 65-; L.F. Rothschild & Co, 68- Columnist, Am. Banker, 63- U.S.A. 53-55. Econ.

Asn; Finance Asn. Financial institutions. Publ: Commercial Banking in the economy, Random, 68; Commercial banking the 1960's; Future of savings banking in New York State. Address: Dept. of Finance, New York University, School of Business Administration, 100 Trinity Place, New York, N.Y. 10006.

NADLER, DR. RONALD DAVID, b. Newark, N.J., Jan. 19, 36; m. 59; c. 2. PHYSIOLOGICAL PSYCHOLOGY. B.A. California, Los Angeles, 60, Nat. Inst. Ment. Health fel, 61-64, M.A. 63, Ph.D.(physiol. psychol), 65. ASST. PROF. PSYCHIAT, STATE UNIV. N.Y. DOWNSTATE MED. CENTER, 67- U.S. Pub. Health Serv. res. fel, 65-67. U.S.A. 55-58. Neuroendocrine control of ovulation and sexual behavior. Publ: Co-auth, Suppression of the development of female mating behavior by estrogen administered in infancy, Science, 63; Modification of spontaneous and hormone-induced sexual behavior by estrogen administered to neonatal female rats, 65 & auth, Masculinization of the female rat by intracranial implantation of androgen in infancy, 68, J. Comp. Physiol. Psychol. Address: 122 Mayfield Lane, Valley Stream, N.Y. 11581.

NADWORN, PROF. MILTON J(OSEPH), b. New York, N.Y., Jan. 3, 24; m. 49; c. 4. ECONOMICS. B.S. City Col. New York, 47; M.A. Columbia, 48; Ph.D. Wisconsin, 52. Assoc. prof. COMMERCE & ECON, VERMONT, 52-61, PROF, 61-, CHMN. DEPT. ECON. & BUS. ADMIN, 66- Grant, res. center entrepreneurial hist, Harvard, 53. Personnel consult. & labor arbitrator, 52-; consult, Off. Econ. Opportunity, Wash, D.C. 65-66; State of Vt, 67-68. Dir. res. proj. economy & labor force, Vt, 55-56. U.S.A.A.F. 43-48. Econ. Asn; Indust. Rel. Res. Asn; Acad. Mgt; Soc. Adv. Mgt. Labor economics; collective bargaining; personnel administration; industrial management; economic history. Publ: Scientific management and the unions, Harvard, 55; Employment expansion in Burlington, Vermont, labor area, 1965, Off. Manpower, Automation, Training, 65; Nursing needs and resources in Vermont, 1966-1975, Vt. State Nurses Asn; 67. Address: 33 Balsam St, Burlington, Vt. 05401.

NAEGELE, PROF. KASPAR DAVID, Sociol, see 10th ed, Soc. & Behav. Vols, deceased 65.

NAEGLER, PROF. ROBERT C(HARLES), b. Springfield, Mo, May 21, 13; m. 34; c. 3. EDUCATIONAL PSYCHOLOGY. Ed.D. Colo. State Col, 56. Instr. psychol, Colo. State Col, 55-56; assoc. prof. psychol. & ed, Drury Col, 56-62; PSYCHOL. & PHILOS, BEMIDJI STATE COL, 62-64, dir. counseling, 64-65, PROF, 66- Vis. prof. Arizona State, 67-68; summer, Manitoba, 67. Psychol. Asn. Counseling; counselor education. Address: Bemidji State College, Bemidji, Minn. 56601.

NAESETH, PROF. ERLING O, b. Madison, Wis, Sept. 6, 21; m. 46; c. 3. ECONOMICS. B.A. Luther Col, 47; M.S. Wisconsin, 49, Evangelical Lutheran Church fel, 51-53, Ford Found. fel, 59-60; summer, Gen. Elec. Found. Seminar, Chicago, 61. From instr. to ASSOC. PROF. ECON. & BUS. ADMIN, LUTHER COL, 48- DEAN STUDENTS, 62- U.S.N.R. 42-46, Lt. Mkt. Asn; Personnel & Guid. Asn; Col. Personnel Asn. Property taxation; supreme court decisions and their effect upon the labor movement; municipal finance. Publ: Co-auth, Public finance; Money and banking. Address: 612 Center St, Decorah, Iowa 52101.

NAFE, PROF. JOHN P(AUL), b. Valley, Nebr, June 2, 88; m. 17. PSYCHOLOGY. A.B. Colorado, 11; Ph.D.(psychol), Cornell, 24. Asst. prof. PSYCHOL, Clark, 24-25, assoc. prof, 25-27, prof, 27-31; prof. & head dept, WASHINGTON (ST. LOUIS), 31-53, EMER. PROF, 53-; VIS. PROF, FLA. STATE, 54- Guggenheim fel, Berlin, 29-30. AAAS; fel. Psychol. Asn; fel. Soc. Exp. Psychol. Emotion and affective processes; common sensation and neural correlates; general sensibility. Address: Dept. of Psychology, Florida State University, Tallahassee, Fla. 32306.

NAFTALIN, DR. ARTHUR, b. Fargo, N.Dak, June 28, 17. POLITICAL SCIENCE. A.B. Minnesota, 39, A.M. 42, Soc. Sci. Res. Coun. fel, 44-45, Ph.D. 48. Instr. & asst, Minnesota, 42-45; secy. to Mayor of Minneapolis, 45-47; asst. prof. polit. sci. & gen. studies, Minnesota, 47-55; cmnr. admin, State of Minn, 55-60; consult. pub. affairs, Ford Found, 60-61; MAYOR OF MINNEAPOLIS, 61- Polit. Sci. Asn. State government administration; political parties; general education in the social sciences. Publ: Personality, work, community. Address: 66 Seymour Ave. S.E., Minneapolis, Minn. 55414.

NAFZIGER, DR. RALPH O(TTO), b. Chicago, Ill, Apr. 18, 96. JOURNALISM. B.S. Wisconsin, 20, A.B. 21, Ph.D. 36. Ed. univ. press bur, Wisconsin, 28-30, asst. prof. journalism, 30-35; mem. staff, Minnesota, 35-49; dir. sch. journalism, WISCONSIN, 49-66, DIR. ASN. ED. JOURNALISM, 66- Pres, Am. Ass. Schs. & Dept. Journalism, 58. Chief media div, Off. War Info, 42. Asn. Ed. Journalism (pres, 41, 51). International news; communications; media research. Address: Association for Education in Journalism, 425 Henry Mall, University of Wisconsin, Madison, Wis. 53706.

NAG, DR. MONI, b. Silchar, India, Apr. 1, 25; m. 64; c. 1. ANTHROPOLOGY. B.Sc. Calcutta, 44, M.Sc. 46; M.A. Yale, 59, Ph.D.(anthrop), 61. Statistician, Anthropol. Surv. India, 48-62, superintending anthropologist, 64-66; urban sociologist, Calcutta Metrop. Planning Orgn, 62-64; ASST. PROF. ANTHROP, COLUMBIA, 66- For. fel. Anthropol. Asn. Culture and human fertility. Publ: Factors affecting human fertility in nonindustrial societies—a cross-cultural study, Yale, 62. Address: Dept. of Anthropology, 452 Schermerhorn Hall, Columbia University, New York, N.Y. 10027.

NAGATA, DR. SHUICHI, b. Tokyo, Japan, Sept. 27, 31; m. 67. SOCIAL & CULTURAL ANTHROPOLOGY. B.Sc. Tokyo, 54; M.A. Tokyo Metrop. Univ, 58; Ph.D.(anthrop), Illinois, 67. Res. assoc. ANTHROP, Illinois, 62-66; ASST. PROF. TORONTO, 66- Am. Anthropol. Asn; Can. Sociol. & Anthropol. Asn. Social organization of American Southwest; southeast Asia and Japan. Publ: Some problems regarding Dōzoku organization, Shaka Jinnrigaku, 59. Address: Number 3, 60 Garthdale Court, Downsview, Ont, Can.

NAGAY, DR. JOHN A(DAM), b. Hazleton, Pa, May 12, 18; m. 46. PSYCHOLOGY. B.S. Pittsburgh, 41, M.S. 50; Ph.D.(psychol), American Univ, 64.

- Proj. dir, Am. Inst. Res, 48-50; asst. head, personnel & training br, OFF. NAVAL RES, 51-65, liaison scientist, br. off, London, 65-66, HEAD GROUP PSYCHOL. BR, 67- U.S.A.F, 42-46, 1st Lt. Psychol. Asn. Criterion development; performance evaluation; personnel selection; social psychology and related social sciences. Publ: Development of a procedure for evaluating the proficiency of the route traffic controllers; Study of the semi-annual instrument check for airline pilots; co-auth, Human engineering in the U.S. Navy. Address: Office of Naval Research, Washington, D.C. 20360.
- NAGEL, DR. ELWYN H (ARLEY), b. Preston, Minn, Jan. 16, 28; m. 54; c. 2. REHABILITATION COUNSELING. A.B. Colo. Col. 50, M.A. 51; A.B. Wichita State, 58; Ph.D.(ed), Wisconsin, 64. Asst. prof. psychol, Muskingum Col, 60-62; counseling & guid, North Dakota, 64-67; ASSOC. PROF. REHAB. COUNSELING, IOWA, 67- Res. grants, 66-68. Res. dir. & consult, statewide planning for rehab. serv, N.Dak, 66-67; res. consult, Upper Midwest Regional Ed. Lab, 66-67. Med. Serv. C, U.S.N.R, 46-48, Lt.(jg). Psychol. Asn; Ed. Res. Asn; Personnel & Guid. Asn; Nat. Rehab. Asn. Vocational and technical education; learning and motor skills. Publ: Co-auth, The effects of error magnification and marker-size on bidimensional compensatory tracking, 68: 585-594 & Transfer and retention of bidimensional compensatory tracking after extended practice, 70: 75-80, Am. J. Psychol; The counseling function as seen by students, parents, and teachers, J. Counseling Psychol, 12: 148-152. Address: College of Education, University of Iowa, Iowa City, Iowa 52240.
- NAGEL, DR. JEROME H, b. New York, N.Y. June 2, 27; m. 55; c. 2. PSYCHOLOGY. A.B. Louisville, 48; M.A. N.Y. Univ, 50, Ph.D. 54. Asst. prof. PSYCHOL, LONG ISLAND, 60-67, ASSOC. PROF, 67- Mgt. consult, 57- Psychol. Asn; Personnel & Guid. Asn. Address: 130 Argyle Rd, Brooklyn, N.Y. 11218.
- NAGEL, DR. STUART S, b. Chicago, Ill, Aug. 29, 34; m. 57; c. 2. POLITICAL SCIENCE. B.S.L. Northwestern, 57, LL.B., 58, Soc. Sci. Res. Coun. fel, 59-60, Ph.D.(polit. sci), 61. Instr. POLIT. SCI, Pa. State, 60-61; asst. prof, Arizona, 61-62; ASSOC. PROF, ILLINOIS, URBANA, 62- Am. Coun. Learned Soc. fel, Center Adv. Study Behav. Sci, 64-65. Sr. specialist, East-West Center, Univ. Hawaii, 65; asst. counsel, U.S. Senate Judiciary Cmt, 66; co-dir. legal serv. prog. Champaign County, Off. Econ. Opportunity, 66- Polit. Sci. Asn; Bar Asn; Sociol. Asn. Social science analysis of the legal process, especially causes and effects of legal policies and decisions. Publ: Co-auth, Judicial decision-making, Macmillan, 63 & Judicial behavior: a reader in theory and research, Rand, 64; auth, Legal process from a behavioral perspective, Dorsey, 68. Address: Dept. of Political Science, University of Illinois, 325 Lincoln Hall, Urbana, Ill. 61801.
- NAGI, PROF. SAAD Z, b. Menufiah, Egypt, Apr. 30, 25; m. 57; c. 3. SOCIOLOGY. B.S., Cairo, Egypt, 47; Fulbright fel, Missouri, 53-54, M.S., 54; Ph.D. Ohio State, 58. Res. specialist, Egyptian Govt, 47-50, exten specialist, Am. Prog, 51-53; from asst. to PROF. SOCIOLOGY, OHIO STATE, 59- AAAS; Sociol. Asn; Statist. Asn. Medical sociology; research methodology; social organization. Publ: Disability and rehabilitation: legal, clinical, and self-concepts and measurement, Ohio State Univ, 68; Status profile and reactions to status threats, Am. Sociol. Rev, 63; co-auth, Field studies in heart disease, Ohio Agr. Exp. Sta. Res. Bull. 836. Address: Hagerty Hall, Ohio State University, Columbus, Ohio 43210.
- NAGLE, BRO. ROGER, O.S.F, b. Brooklyn, N.Y. June 25, 19. ECONOMICS, HISTORY. B.A., St. Francis Col.(N.Y.), 41; M.A., St. John's, 43, Ph.D.(hist), 55. Teacher, parochial sch, N.Y., 41-48, asst. prin, 48-52; PROF. ECON, ST. FRANCIS COL.(N.Y.), 52-, TREAS, TRUSTEE & MODERATOR ATHLETICS, 58- Educational facilities; government loans; grants; institutional insurance; inventories in and budgets for educational institutions planning and building programs. Publ: Co-auth, Principles of economics. Address: Dept. of Economics, St. Francis College, 180 Remsen St, Civic Center, Brooklyn, N.Y. 11201.
- NAGLE, DR. ROLAND ALEXANDER, b. Detroit, Mich, July 15, 18; m. 42; c. 3. PSYCHOLOGY. B.A. Michigan, 40, LL.B., 48, M.A., 57, Ph.D.(psychol), 59. Sch. psychologist, Wyandotte Pub. Schs, 58-67; DIR. PSYCHOL. SERV, SCHS. CHILDREN, LESLEY COL, 67- Assoc. prof, Eastern Michigan, 64-67. U.S.N., 42-46, Lt. Psychol. Asn. Emotionally disturbed and mentally retarded children. Address: Lesley College Schools for Children, 34 Concord Ave, Cambridge, Mass. 02138.
- NAGLE, PROF. THOMAS W (HEELER), Polit. Sci, Hist, see 10th ed, Soc. & Behav. Vols.
- NAGLE, DR. WILLIAM J (OSEPH), b. Davenport, Iowa, Mar. 7, 29; m. 52; c. 6. POLITICAL SCIENCE. B.A., St. Ambrose Col, 50; fels, Georgetown, 55-57, Ph.D.(polit. sci), 59. Spec. asst. to cmnr, U.S. Atomic Energy Cmn, 57; spec. asst. to T.E. Murray & consult, Joint Congressional Cmt. Atomic Energy, 57-59; exec. dir, Oper. & Policy Res, Inc, 59-62; sr. training officer, U.S. Peace Corps, 62-63; dir. off. external res, U.S. Dept. State, 63-66; off. develop. dist. Econ. Develop. Admin, 66-68; ASSOC. PROF. POLIT. SCI, ASST. TO PRES. & DIR, INST. URBAN STUDIES, CLEVELAND STATE, 68- Lectr, Howard, 60-61; Georgetown, 61- Meritorious award, William A. Jump Mem. Found, 64; Meritorious honor award, U.S. Dept. State, 65. U.S.A.F, 51-53, Res, 53-, 1st Lt. Polit. Sci. Asn; Int. Studies Asn. Atomic energy and the democratic control of government; ethics and international affairs; economic development; intergovernmental relations; poverty. Publ: Ed, Morality and modern warfare: the state of the question; auth, Atomic energy commission: a study in political responsibility. Address: Dept. of Political Science, Cleveland State University, Cleveland, Ohio 44115.
- NAGY, DR. Z (OLTAN) MICHAEL, b. New York, N.Y. Feb. 8, 41; m. 65; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A. Bucknell, 62; Nat. Inst. Ment. Health fels, Princeton, 63-66, M.A., 64, Ph.D.(exp. psychol), 66. ASST. PROF. PSYCHOL, SUSQUEHANNA, 66- Nat. Inst. Ment. Health res. grant, Susquehanna, 67-68. AAAS; Psychol. Asn; Animal Behav. Soc. Effects of early stimulation upon later behaviors; physiological and behavioral adaptation to temperature extremes in rodents. Publ: Effect of early environment upon later social preference in two species of mice, J. Comp. & Physiol. Psychol, 65; Tolerance to cold and development of adaptation to cold in mice as a function of age, Physiol. & Behav, 66. Address: Dept. of Psychology, Susquehanna University, Selingsgrove, Pa. 17870.
- NAHEMOW, DR. LUCILLE (DAVIS), b. New York, N.Y. July 7, 33; div; c. 2. SOCIAL PSYCHOLOGY. B.S. Brooklyn Col, 55, univ. fel, 55-57, M.A., 57; univ. fel, Columbia, 57-58, Nat. Inst. Ment. Health fel, 61-63, Field Found. fel, 63, Ph.D., 63. Res. assoc, Hunter Col, 59; sr. scientist, N.Y. State Dept. Ment. Hyg, 59-60; lectr, col. physicians & surgeons, Columbia, 60-62; Brooklyn Col, 63-64; instr, center instr. in care of aged, Jewish Home & Hosp. for Aged, 65-66; ASST. PROF. PSYCHOL, ALBERT EINSTEIN COL. MED. & LINCOLN HOSP, 67- Psychol. Asn; Geront. Soc. Effects of social isolation upon attitudes maintenance and attitude change; impact of social disadvantage; experimental design in field settings. Publ: Conformity, persuasibility and counternormative persuasion, 64; co-auth, Institutional totality criteria of social adjustments in residences for the aged, 65 & Psychiatric illness and adjustment in a home for the aged, 65. Address: 601 W. 115th St, New York, N.Y. 10025.
- NAHNSKY, DR. IRWIN D (AVID), b. St. Paul, Minn, Apr. 4, 31. PSYCHOLOGY. B.A. Minnesota, 52, Ph.D., 55. Personnel psychologist, Naval Personnel Res. Field Activity, Calif, 52-56, res. assoc, 56-57; res. analyst, Ore. Study Rehab. Ment. Hosp, 58-60; asst. prof. PSYCHOL, Univ. Kansas City, 60-63; St. Louis, 63-65; ASSOC. PROF, MISSOURI, COLUMBIA, 65- Psychol. Asst. 'Mathematical models in learning; statistics and research design. Publ: Analysis of variance of intraindividual Q sort patterns, J. Clin. Psychol, 1/66; All-or-none elimination of errors in paired-associate learning, J. Verbal Learning & Verbal Behav, 8/66; Statistics and moments parameter estimates for a duoprocess paired-associate learning model, J. Math. Psychol, 2/67. Address: Dept. of Psychology, University of Missouri, Columbia, Mo. 65201.
- NAHIRNY, DR. VLADIMIR C, b. Halych, Poland, Aug. 9, 27; U.S. citizen; m. 59; c. 2. SOCIOLOGY. B.A. Marquette, 52; M.A. Harvard, 54; univ. fel, Chicago, 57-58, Ph.D.(sociol), 60. Res. assoc, Pennsylvania, 60-62; asst. prof. sociol, Hunter Col, 62-63 & 65-67; Lord Simon res. fel, Manchester, 64-65; ASSOC. PROF. SOCIOLOGY, HUNTER COL. & CITY UNIV. NEW YORK, 68- AAAS; Sociol. Asn. Sociology of intellectuals; Russian intelligentsia; in the 19th century; ideological movements; language assimilation among American ethnic groups. Publ: Co-auth, Language loyalty in the United States, Mouton, 66; auth, Russian intelligentsia: from men of ideas to men of convictions, Comp. Studies in Soc. & Hist, 62; Ethnic identification and the problem of generations, Sociol. Rev, 65. Address: Dept. of Sociology, Hunter College, 695 Park Ave, New York, N.Y. 10021.
- NAHL, DR. PERHAM C (ONNOR), b. Oakland, Calif, Apr. 22, 09; m. 35; c. 2. ECONOMICS, MARKETING. B.S. California, 31, Flood fel, 31-32, M.S., 32, Ph.D., 39. Asst. prof. bus. admin, Okla. Agr. & Mech. Col, 37-39, assoc. prof, 40-42, dir. mkt. res. serv, 38-42; prin. economist & head planning sect. shoe rationing, Off. Price Admin, D.C., 42-46; assoc. dir. res. & economist, Needham, Louis & Brorby, Inc, 46-61, dir. creative res, 58-61; STAFF ECONOMIST & RES. SUPVR, LEO BURNETT CO, INC, 61- Lectr, Northwestern, 48-55. Econ. Asn; Mkt. Asn.(awards, 54, 59); Statist. Asn. Methods for measurement of advertising effectiveness; advertising copy research. Address: Leo Burnett Co, Inc, Prudential Plaza, Chicago, Ill. 60601.
- NAIDEL, PROF. SIMON, b. Wilno, Poland, Apr. 17, 95; m. 57. ECONOMICS. B.S., City Col. New York, 27; M.A., Columbia, 28; Ph.D.(econ), American Univ, 51. Lectr. ECON, AMERICAN UNIV, 48-52, prof. lectr, 52-56, adj. prof, 56-57, assoc. prof, 57-59, prof, 59-65, EMER. PROF, 65- Economist & statistician, Fed. Govt, 34-53. Econ. Asn; Statist. Asn; Economet. Soc. Economic theory; economic planning; comparative economic systems. Publ: On some aspects of the theory of differential rent and factor surplus; contrib. Security, work and relief policies & Final report of the WPA program, 1935-1943. Address: 2828 Connecticut Ave. N.W., Washington, D.C. 20008.
- NAIDOO, DR. J (OSEPHINE) C (ECILLA), b. Durban, S. Africa, Feb. 29, 32; m. 64. SOCIAL PSYCHOLOGY. B.S., Witwatersrand, 53; B.S. Hons, South Africa, 59; Inst. Int. Ed. scholar, Illinois, Urbana, 59-60, A.M., 61, Ph.D. (psychol), 66. Teacher, pub. schs, S. Africa, 53-55; lectr. PSYCHOL, Pius XII Univ. Col, Basutoland, S. Africa, 56-59; part-time asst, Illinois, Urbana, 61-64; asst. prof, ST. JEROME'S COL, WATERLOO, 64-67, PART-TIME ASST. PROF, 68- Am. Psychol. Asn; Can. Psychol. Asn. Interpersonal perceptions of different cultural groups; investigation of the relationship between attitudes and controlled behavioral situations as measured by paper-and-pencil techniques; validity studies of the behavioral differential. Publ: Psychology 100 correspondence course, Univ. Illinois, 65; Perceptions of self and significant others by Indian and American students, Indian J. Psychol, Vol. 37: 115-126. Address: Dept. of Psychology, St. Jerome's College, University of Waterloo, Waterloo, Ont, Can.
- NAJJAR, PROF. FAUZI M (ITRI), b. Lebanon, Dec. 19, 20; nat; m. 53; c. 1. POLITICAL SCIENCE. B.A., American Univ.(Beirut), 48; M.A., Chicago, 50, Ph.D.(polit. sci), 54. Instr. Am. Col. for Women & American Univ.(Beirut), 54-55; instr. polit. sci, Ill. Inst. Tech. & univ. col, Chicago, 55-56; asst. prof, MICH. STATE, 56-62, assoc. prof, 62-67, PROF. SOC. SCI, 67- Rockefeller Found. fel, 60-61; Asian Studies Center fel, United Arab Repub, 65-66. Oriental Soc; Polit. Sci. Asn; Mid. East. Inst; Mid. East Studies Asn. Islam and Socialism in the United Arab Republic; Islamic political thought and institutions; Middle Eastern affairs and governments. Publ: The Islamic state: a study in traditional politics, Monographic, 67; co-auth, Chaps. In Sourcebook in Medieval political philosophy, Macmillan, 63; auth, al-Farabi's political regime, Imprimerie Catholique, 64. Address: 1249 Marigold Ave, East Lansing, Mich. 48823.
- NAKAMURA, DR. ANSTISS M, b. Bryn Mawr, Pa, Oct. 19, 32; m. 60. PSYCHOLOGY. B.A., San Diego State Col, 54; U.S. Pub. Health Serv. fel, California, Los Angeles, 58-60, Ph.D.(psychol), 62. Trainee psychol, VET. ADMIN. HOSP, 62-63, res. assoc, 63-65, RES. PSYCHOLOGIST, 65- Nat.

Insts. Health grant, 63- Psychol. Asn. Effects of experience, particularly stress, brain lesions and drugs on stress responses, behavioral and physiological, such as avoidance learning, activity, exploratory behavior, blood glucose levels; basal resistance levels in rats. Address: 28946 Cliffside Dr, Malibu, Calif. 90265.

NAKAMURA, DR. CHARLES Y, b. McGrew, Nebr, Sept. 1, 21; m. 60. CLINICAL PSYCHOLOGY. B.A. Wisconsin, 50; U.S. Pub. Health Serv. fel. & M.A., Stanford, 52, Ph.D.(psychol), 56. Psychologist, student counseling bur, Minnesota, 55-56; instr. PSYCHOL, CALIFORNIA, LOS ANGELES, 56-58, asst. prof, 58-64, ASSOC. PROF. 64- Consult, Vet. Admin. Hosps, 59-AAAS; Psychol. Asn. Parent's expectations and children's behavior; psychotherapy; learning; assessment of personality; social values and incentives. Address: Dept. of Psychology, University of California, Los Angeles, Calif. 90024.

NAKHELEH, DR. EMILE A, b. Rama, Palestine, May 25, 38; m. 65; c. 1. POLITICAL SCIENCE. B.A., St. John's (Minn), 63; M.A., Georgetown, 66; Ph.D. (Int. rels), American Univ, 68. ASST. PROF. POLIT. SCI, MT. ST. MARY'S COL (MD), 67- Polit. Sci. Asn; Acad. Polit. & Soc. Sci; Mid. East. Inst; Mid. East. Studies Asn. N.Am. International relations, especially the Middle East; Arab socialism as a functional theory of economic development, especially in the United Arab Republic. Address: P.O. Box 156, Emmitsburg, Md. 21727.

NALE, DR. STANLEY L(EO), b. Milroy, Pa, May 9, 22; m. 45; c. 1. CLINICAL PSYCHOLOGY. B.A., Susquehanna, 47; M.S., Pa. State, 49, Ph.D. 59. Clin. psychologist, Polk State Sch. Mentally Retarded, 48-51; State Dept. Pub. Welfare, N.C. 53-65; COORDINATOR CLIN. COMPLEX, WESTERN CAROLINA UNIV, 65- U.S.N.R., 43-45. Fel. Psychol. Asn. Speech and hearing; mental retardation; school readiness; truancy and delinquency as related to academic failure. Publ: Binet and the Wechsler intelligence scale for children on 104 children at Polk State School. Address: Route 1, Blue Ridge Rd, Black Mountain, N.C. 28711.

NALESZKIEWICZ, DR. WLADIMIR, Econ, see 10th ed, Soc. & Behav. Vols.

NALL, DR. FRANK COMSTOCK, b. Detroit, Mich, Dec. 9, 25; m; c. 2. SOCIOLOGY, ANTHROPOLOGY. B.A. Mich. State Col, 50; M.A. Mich. State, 54, Ph.D.(sociol, anthrop), 59. Asst. sociologist, Inter-Am. Inst. Agr. Sci, 53-54; res. assoc. SOCIOLOG, Texas, 57-59; asst. prof, Mich. State, 60-64; SOUTHERN ILLINOIS, 64-66, ASSOC. PROF, 67- Res. consult, Am. Nat. Red Cross, 60-64. U.S.N.R., 44-46. Sociol. Asn. Community organization; social stratification; complex organizations. Publ: Co-auth, The emergent American society, Yale, 67 & Mexican-American medical practices, J. Health & Soc. Behav, 67. Address: Dept. of Sociology, Southern Illinois University, Carbondale, Ill. 62901.

NALVEN, DR. FREDRIC B, b. Brooklyn, N.Y., June 6, 25; m. 57; c. 3. CLINICAL PSYCHOLOGY. B.A., City Col. New York, 56; Nat. Inst. Ment. Health fel, Boston, 56-57, M.A., 57, Ph.D., 61. Trainee clin. psychol, Vet. Admin. Hosp, Bedford, 57-58, Vet. Admin. Outpatient Clin, Boston, 58-60; clin. psychologist, Boston Dispensary Rehab. Inst, 60-65; sr. psychologist, Astor Home for Children, Rhinebeck, N.Y. 65-66; SCH. PSYCHOLOGIST, BUR. CHILD GUID, BD. ED, NEW YORK, 66- Instr. med. sch, Tufts, 61-65; Boston Univ, 63-65; lectr, State Univ. N.Y. Col. New Paltz, 65-66; asst. prof, Yeshiva, 66-; lectr, Queens Col.(N.Y.), 67- Clin. psychologist, Vet. Admin. Outpatient Clin, Mass, 61-63. Psychol. Asn. Clinical and school psychological research; psychometrics; personality factors in cognitive functioning; classroom learning; teacher-pupil relationships. Address: 152-15 11th Ave, Whitestone, N.Y. 11357.

NAM, PROF. CHARLES B(ENJAMIN), b. Lynbrook, N.Y., Mar. 25, 26; m. 56; c. 2. SOCIOLOGY, DEMOGRAPHY. B.A., N.Y. Univ, 50; M.A., North Carolina, 57, Ph.D., 59. Statistician, pop. div, U.S. Bur. Census, D.C. 50-53; anal. statistician, manpower br, Human Resources Res. Inst, Ala, 53-54; asst. sociol, North Carolina, 54-57; ed. anal, pop. div, U.S. Bur. Census, 57-62, chief ed. & soc. stratification br, 62-64; PROF. SOCIOLOG, FLA. STATE, 64-, DIR. DEMOG. POP. & MANPOWER RES. CENTER, 67- U.S.A. 43-46, Sgt. Sociol. Asn; Statist. Asn; Pop. Asn; Int. Union Sci. Study Pop. Social stratification; sociology of education. Publ: Co-auth, Education of the American population; ed. & auth, Population and society, Houghton, 68; co-auth, Demographic factors affecting American education, Nat. Soc. Study Ed. Address: Dept. of Sociology, Florida State University, Tallahassee, Fla. 32306.

NAMENWIRTH, DR. J(OSEPH) ZVI, b. Rotterdam, Netherlands, June 27, 31; m. 57; c. 1. SOCIOLOGY. Drs. Amsterdam, 57; Fulbright scholar, Harvard, 59, Ph.D.(sociol), 63. Inspector, Dutch Ministry Soc. Affairs, 58-59; lectr. polit. sci, YALE, 64, ASST. PROF. SOCIOLOG, 64- Am. Sociol. Asn; Netherlands Sociol. Asn. Political sociology, use of contemporary and quantitative procedures and instruments for answering classical questions of this field. Address: Dept. of Sociology, Yale University, New Haven, Conn. 06520.

NAMIAS, PROF. JEAN, b. Warsaw, Poland; U.S. citizen. ECONOMICS. B.S., City Univ. New York, 46; M.A., N.Y. Univ, 48; Ph.D.(econ. statist), 58. Researcher econ, Chilean Develop. Corp, N.Y., 45-48; statistician & controller, Cmt. Serv. For. Born, 48-55; econ. analyst, Nat. Indust. Conf. Bd, 56-57; asst. prof. ECON. & STATIST, Adelphi, 57-58; PROF. ST. JOHN'S (N.Y.), 58- Part-time instr, Brooklyn Col, 56-57; Fairleigh Dickinson, 57-59; res. statistician, Nat. Bur. Econ. Res, 60-61; Ford Found. res. grants, 61-62, & summers, 62, 64; lectr, in-serv. course for high sch. teachers, First Nat. Bank, New York, 65-66. Statist. Asn; Econ. Asn; Mkt. Asn; Soc. Qual. Control. Economic research; statistical analysis. Publ: New York metropolitan region economic indicators, Bull. N.Y. Metrop. Chap, Am. Statist. Asn, 65-; co-auth, Fact book: New York metropolitan region, 1965, N.Y. Coun. Econ. Ed, 65; auth, Measuring variation in interviewer performance, J. Advert. Res, 3/66. Address: 225 E. 26th St, New York, N.Y. 10010.

NAMY, DR. ELMER A(BRAHAM), b. Cleveland, Ohio, Jan. 21, 28; m. 53; c. 3. PSYCHOLOGY, EDUCATION. B.A., Western Reserve, 56, M.A., 57, Ph.D.

(sch. psychol), 64. Psychologist, Child Guid. Center, East Liverpool, Ohio, 57-59; sch. psychologist, Gary Ind, 59-60; Ashtabula, Ohio, 60-64; Asst. prof. PSYCHOLOGY, Stout State, 64-65; ASSOC. PROF., Edinboro State Col, 65-67; ASHLAND COL, 67- U.S.A., 50-52. Psychol. Asn. Gifted children; retarded children; tests and measures. Publ: Co-auth, The influences of intelligence, social maturity and chronological age on the ability of trainable retardates to learn swimming skills, Challenge, 9/66; auth, Intellectual and academic characteristics of 4th grade gifted and pseudogifted students, Except. Children, 9/67. Address: Dept. of Psychology, Ashland College, Ashland, Ohio 44805.

NANCE, PROF. GORDON BENNETT, Agr. Econ, see 10th ed, Soc. & Behav. Vols, deceased.

NANCE, DR. R. DALE, b. Oklahoma City, Okla, Aug. 1, 21; m. 44; c. 3. PSYCHOLOGY. B.A., Okla. Agr. & Mech. Col, 43; M.A., Iowa, 43, Ph.D.(psychol), 46. Instr. PSYCHOL, Arkansas, 46; ASSOC. PROF. WISCONSIN, MILWAUKEE, 46- Psychol. Asn. Tests and measurements; history of psychology; developmental psychology; human learning. Address: Dept. of Psychology, University of Wisconsin, Milwaukee, Wis. 53211.

NANDY, DR. SANTOSH KUMAR, b. Chittagong, India, Mar. 1, 33. SOCIOLOGY. B.A., Calcutta, 53, M.A., 56; summer, Yale, 60; M.A., Minnesota, Minneapolis, 61, Ph.D.(sociol), 63. Lectr. polit. sci. & econ, St. Paul's Col, Calcutta, 57; Asutosh Col, Calcutta, 57-60; teaching asst. SOCIOLOG, Minnesota, Minneapolis, 61-63; asst. prof, State Univ. N.Y. Buffalo, 63-65; Manitoba, 65-67; res. grant & assoc. prof, North Dakota, 67-68; ASSOC. PROF., MANITOBA, 68- State Univ. N.Y. Buffalo res. grant, 64-65; Manitoba res. grant, 65-67; Int. Sociol. Asn. & Soc. Sci. Res. Coun. Can. travel grant, 66-; summer vis. prof, McMaster, 66. Asst. ed, Int. J. Comp. Sociol, 65-; J. Asian & African Studies, 66- Am. Sociol. Asn; Am. Acad. Polit. & Soc. Sci; Can. Sociol. & Anthropol. Asn; Can. Polit. Sci. Asn; Int. Sociol. Asn; Int. Polit. Sci. Asn; Indian Sociol. Soc. Sociological theory; social change, especially in developing countries; comparative sociology. Publ: A note on sociology in India vis-a-vis sociology in the west, Indian Sociol. Bull, 66; A note on the major dimensions in the study of politics and social change in developing countries, Int. J. Comp. Sociol, 66; Is modernization westernization? What about easternization and traditionalization?, Visva-Bharati Quart, 66. Address: Dept. of Sociology, University of Manitoba, Winnipeg 19, Man, Can.

NANES, DR. ALLAN S(AMUEL), b. Brooklyn, N.Y., May 3, 21. POLITICAL SCIENCE. A.B., Brown, 41; A.M., Harvard, 47, fel, 48-49, Ph.D.(polit. sci), 49. Tutor, Harvard, 48-49; for. affairs analyst, U.S. Dept. State, 49-50; instr. polit. sci, Hofstra Col, 50-51; Brooklyn Col, 51-54; hist. & econ, Polytech. Inst. Brooklyn, 54-55; Am. for. policy analyst, legis. ref. serv, Library Cong, 55-56, asst. to dep. dir, 56-61, analyst Am. for. policy, 61-65; asst. chief Afro-Asian Br, policy planning staff, U.S. Dept. Defense, 65-66; ANALYST INT. DEVELOP. LEGIS. REFERENCE SERV, LIBRARY CONG, 66- U.S.A.A.F., 43-45, Sgt. International relations and development policies. Address: 12813 Kilgore Rd, Silver Spring, Md. 20904.

NANGLE, DR. JOHN E(DWARD), b. Kansas City, Mo, Sept. 10, 29; m. 56; c. 1. INDUSTRIAL PSYCHOLOGY. B.S., Northwestern, 51; M.A., Bradley, 52; Ph.D.(indust. psychol), Mich. State, 61. Asst. psychol, Bradley, 51-52; temporary instr. psychol, Mich. State, 55-56, asst. appl. exp. psychol, hwy. traffic safety center, 56-57, indust. psychol, labor & indust. rels. center, 58-59; human factors specialist, Syst. Develop. Corp, 59-64; asst. prof. psychol, WESTERN MICHIGAN, 64-67, ASST. DIR. INSTNL. RES, 67- U.S.A. 52-54. Psychol. Asn; Human Factors Soc. Applied human factors research; training; attitude measurement; selection and evaluation of personnel. Publ: Co-auth, Employee attitudes toward technological change in a medium sized insurance company, J. Appl. Psychol; Situational characteristics and turn signaling behavior, Nat. Acad. Sci. Hwy. Res. Bd. Bull. Address: 3659 Lancaster Dr, Kalamazoo, Mich. 49007.

NANNI, PROF. LUIS F(ERNANDO), Statist. Anal, see 11th ed, Phys. & Biol. Vols.

NAPOLI, PROF. JOHN G(EOGE), b. New York, N.Y., Mar. 9, 25; m. 47; c. 4. CLINICAL PSYCHOLOGY. B.S., Purdue, 48, M.A., 51, Ph.D., 55. Clin. psychologist, Vet. Admin. Hosp, Marion, Ind, 55-56; Malcolm Bliss Hosp, St. Louis, Mo, 56-59; asst. prof. PSYCHOL, ST. LOUIS, 59-61, assoc. prof, 61-67, PROF, 67- Field selection officer, Peace Corps, 63- Consult, Malcolm Bliss Hosp, 67- Convent of the Good Shepherd, 58-60. U.S.A.A.F., 43-45, 2nd Lt. Psychol. Asn. Projective techniques; crime and delinquency. Publ: Psychiatric interview, J. Clin. Psychol; Social maladjustment unit; an experiment in community mental health education, Am. J. Pub. Health. Address: Dept. of Psychology, St. Louis University, St. Louis, Mo. 63103.

NAPP, DR. RALPH RAYMOND, b. Bridgeport, Conn, Sept. 5, 21; m. 52; c. 2. SOCIOLOGY. B.A., Alabama, 47; M.Ph. Munich, 56; M.Ed., Duke, 60, Ed.D. (ed. sociol), 64. Instr. sociol, Walker Jr. Col, 47; instr. hist. & Eng, Kern County Eve. Sch, 48-49; lectr. U.S. hist. & sociol, Info. Agency, U.S. Dept. State, Munich, 51-53; instr. hist, Eng. & psychol, U.S. Armed Forces, 53-57; from asst. prof. to ASSOC. PROF. SOCIOLOG, EAST CAROLINA, 57- Lectr, Munich Interpreters Col, Germany, 52-53; instr, U.S. Armed Forces Inst, Germany, 54; asst, Duke, 58-59; Nat. Sci. Found. Inst. Sociol. lectr, East Carolina, 67. Consult, headstart poverty training prog, East Carolina, 67, Off. Econ. Opportunity Seminar for Brazilian Visitors, 67, & Nat. Defense Ed. Act Summer Inst, 68, 67. Dir, Am. Youth Admin, U.S. Army, Germany, 55-56; dir. religious ed, Chaplain's Corps, 56-57; coordinator regional seminar poverty, East Carolina, 67. U.S.A., 43-46, 49-51, Lt. Sociol. Asn. Cross-cultural studies; educational sociology and anthropology. Publ: Co-auth. & transl, Finnish winter olympics, Finnish Winter Olympics, 52; Breaking down the barrier, Seemans, 61; auth, Isolation and analysis of certain factors which may influence students to enroll at East Carolina College, J. Ed. Res, 66. Address: Dept. of Sociology & Anthropology, East Carolina University, Greenville, N.C. 27835.

NARASIMHAM, DR. GORTI VENKATA L, b. India, Aug. 1, 32; m. 59; c. 1. ECONOMICS, STATISTICS. M.A., Andhra, India, 53, M.Sc., 54; Ph.D.(econo-

- met), Pittsburgh, 64. Res. officer, Indian Statist. Inst, 54-58; planning com. Govt. India, 58-61; ASST. PROF. ECON, Western Michigan, 64-65; KANSAS STATE, 65- Vis. asst. prof, Kansas State, 64; econ. affairs officer, centre develop. planning, projections & policies, UN, 66; assoc. economist, econ. programming center, Nat. Planning Assn, 67. Econ. Asn; Economet. Soc. Use of econometric methods to study problems related to planning for national development. Publ: Measurement and mechanism of economic growth with particular reference to India, *Economia Internazionale*, 9/65; co-auth, Theory of trend movements in aggregate economic growth models, *Metroeconomica*, 4/66; Stochastic process for regional development, *Colloquium Application Math. to Econ*, 66. Address: Dept. of Economics, Waters Hall, Kansas State University, Manhattan, Kans. 66502.
- NARDIN, DR. TERRY, b. New York, N.Y., Jan. 19, 42; m. 62; c. 1. POLITICAL SCIENCE. B.A., N.Y. Univ, 63; N.Y. State Regents fel. & M.A., Northwestern, 66, Nat. Sci. Found. res. grant, 66-67, Ph.D.(polit. sci), 67. ASST. PROF. POLIT. SCI, STATE UNIV. N.Y. BUFFALO, 67-, consult, center int. security & conflict studies, summer 67. Vis. asst. prof, Hawaii, summer 68. Polit. Sci. Asn; Int. Studies Asn; Int. Peace Res. Asn. International relations; theory of conflict resolution; internal violence and revolution; peace research; philosophy of social research. Publ: Communication and the effects of threats in strategic interaction, *Papers Int. Peace Res. Asn*, 68. Address: Dept. of Political Science, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- NARDINI, DR. WILLIAM, b. Chicago, Ill, July 14, 29; m. 57; c. 3. SOCIOLOGY, CRIMINOLOGY. B.A., Cornell Col, 51; M.A., Iowa, 57, Ph.D., 58. Res. assoc, criminol, Illinois, 58-59; asst. prof. sociol, S.Dak. State Col, 59-60; assoc. warden treatment, Iowa State Penitentiary, 61-63; supt. & chief res, D.C. Dept. Corrections, 63-65; cmnr. correction, Dept. Correction, Del, 65-68; ASSOC. PROF. SOCIOLOG. & CRIMINOL, INDIANA STATE, 68- Prof. lectr, Delaware & American Univ, 63- Mem. Gov. Coordinating Cmt. Health, Ed. & Welfare; adv. cmt. res, Joint Cmt. Correction Manpower & Training; chmn. corrections cmt, Gov. Cmn. Law Enforcement & Admin. of Justice. Med.C, U.S.A., 51-54, Res, 54-, 1st Lt. Sociol. Asn; Acad. Relig. & Ment. Health; Nat. Coun. Crime & Delinquency; Correctional Asn; Correctional Admin. Asn. Am. Social psychological study of the criminal self concept. Publ: Contrib. The effectiveness of a prison and parole system; auth, The mentally ill offender, *Delaware Med. J*, 3/66. Address: Dept. of Sociology, Indiana State University, Terre Haute, Ind. 47809.
- NARODICK, DR. KIT G, b. Seattle, Wash, Nov. 29, 37. ECONOMICS, BUSINESS ADMINISTRATION. B.A., Washington (Seattle), 60, M.B.A., 62; Ph.D. (econ. & bus. admin), Columbia, 67. ASST. PROF. MKT. & TRANSPORTATION, N.Y. UNIV, 67- Adj. asst. prof, grad. sch. bus, Columbia, 67; proj. dir, New York City Dept. Mkt, 68. Mem. adv. cmt. statist. res, Civil Aeronaut. Bd, 67-; mem, Transportation Res. Forum. Transportation; government regulation of business. Address: 207 E. 74th St, New York, N.Y. 10021.
- NAROLL, PROF. RAOUL, b. Toronto, Ont, Sept. 10, 20; nat. m. 41. ANTHROPOLOGY. Ph.D.(hist), California, Los Angeles, 53. Fel, Center Adv. Study Behav. Sci, 54-55; res. assoc, Human Rels. Area Files, 55-56; asst. prof. ANTHROP, San Fernando Valley State Col, 57-60, assoc. prof, 60-62; Northwestern, 62-65, PROF, 65-67; STATE UNIV. N.Y. BUFFALO, 67- Nat. Inst. Ment. Health res. grants, 57-63; Nat. Sci. Found. res. grants, 59-66. U.S.A., 39-45, Capt. Anthropol. Asn; Ethnol. Soc; Statist. Asn. Publ: Preliminary index of social development; Data quality control; co-auth, *Handbook of method in cultural anthropology*, *Natural Hist*, 69. Address: Dept. of Anthropology, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- NARVA, DR. MARSHALL A(LLAN), Exp. Psychol, see 10th ed, Soc. & Behav. Vols.
- NASATIR, DR. DAVID, b. Evanston, Ill, Feb. 2, 34; m. 55; c. 2. SOCIOLOGY. B.S. Mass. Inst. Tech, 55; M.A., Stanford, 56; fel, Merrill-Palmer Inst. Human Develop, 56-57; Nat. Sci. Found. fel, California, Berkeley, 59, Ph.D. (sociol), 66. Instr. sociol, California, Berkeley, 59-60, res. sociologist, Center Study Higher Ed, 60-62; vis. prof. sociol, Buenos Aires, 62-63; asst. prof, CALIFORNIA, Los Angeles, 63-65, ASST. RES. SOCIOLOGIST, BERKELEY, 65- Mem. exec. cmt, Coun. Soc. Sci. Data Arch, 66- AAAS; Sociol. Asn; Statist. Asn; Latin Am. Studies Asn. Higher education, especially student political behavior. Address: Survey Research Center, University of California, 2220 Piedmont Ave, Berkeley, Calif. 94720.
- NASH, DR. ALLAN N, b. Tracy, Minn, Dec. 3, 32; m. 57; c. 3. BUSINESS ADMINISTRATION. B.A., Minnesota, 57, M.A., 59, Ph.D.(bus. admin), 63. Instr. econ, Minnesota, 59-60; mgt, Dayton, 60-62; lectr. govt. & polit, Minnesota, 62-63; asst. prof. mgt, MARYLAND, 63-65, ASSOC. PROF. MGT. & CHMN. BEHAV. DIV, 65- Univ. Maryland Bur. Bus. & Econ. Res. res. grant, summer 67. U.S.A., 53-55. Publ: Co-auth, Predicting management potential, *Personnel Psychol*, 11/60, Development of an SVIB scales for predicting management effectiveness, *J. Appl. Psychol*, 7/66 & Public attitudes toward transportation: a review of two pilot studies, *Acad. Sci*, 1/68. Address: Dept. of Business Administration, University of Maryland, College Park, Md. 20741.
- NASH, EDMUND, b. Can, Dec. 24, 09; nat; div; c. 1. POLITICAL SCIENCE, ECONOMICS. M.A. Wisconsin, 38; Harvard, 63-64. Labor economist, bur. labor statist, U.S. DEPT. LABOR, 40-61, CHIEF SOVIET UNION & EAST. EUROPE SECT, DIV. FOR. LABOR CONDITIONS, 61- U.S. Dept. Labor career serv. award, grad. sch. pub. admin, Harvard, 63-64. Asn. Adv. Slavic Studies; Asn. Study Soviet-Type Econ. Western influences on the Union of Soviet Socialist Republics' new incentives system. Publ: Impressions of Yugoslavia and Bulgaria; Principal current Soviet labor legislation; Labor developments in the U.S.S.R., *Bur. Labor Statist. Report*. Address: Bureau of Labor Statistics, U.S. Department of Labor, Washington, D.C. 20212.
- NASH, DR. GERALD DAVID, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- NASH, DR. HARVEY, b. New York, N.Y., Apr. 24, 23. PSYCHOLOGY. B.E.E., City Col. New York, 44; Ph.D.(psychol), California, 51. Mem. staff psychol, Mass. Inst. Tech, 51-52; U.S. Pub. Health Serv. fcls, Michael Reese Hosp, 52-53, col. med, Illinois, 53-54; res. assoc, Chicago, 54-55; assoc, med. sch, Northwestern, 55-60; psychologist, Ill. State Psychiat. Inst, 62-68; ASSOC. PROF. PSYCHOL, CALIF. STATE COL. DOMINGUEZ HILLS, 68- U.S.N., 44-46. Psychol. Asn. Personality; psychopharmacology. Publ: Alcohol and caffeine; a study of their psychological effects, C.C. Thomas, 62; The role of metaphor in psychological theory, *Behav. Sci*, 10/63; The judgment of body landmark heights, *Genetic Psychol. Monogr*, 69. Address: Dept. of Psychology, California State College at Dominguez Hills, Dominguez Hills, Calif. 90247.
- NASH, PROF. HENRY WARREN, b. Tampa, Fla, Sept. 19, 27; m. 50; c. 2. MARKETING. B.S.B.A., Florida, 50, M.B.A., 51; Indiana, 51-53; Loveman fel, 61-62; Ph.D.(mkt), Alabama, 65. Assoc. prof. bus. & econ, Miss. Col, 53-57; MKT, MISS. STATE, 57-66, PROF. & HEAD DEPT, 66- U.S.N., 45-46. Mkt. Asn; Acad. Mgt; Acad. Advert; Sales & Mkt. Execs. Int. General marketing research especially retailing, selling, sales management, training and personnel management. Publ: Co-auth, *Principles of marketing*, Pitman, 61; auth, A methods of determining retail sales potential, 4/66 & Productivity and efficiency of retail sales persons in Mississippi department stores, 11/66, *Miss. Bus. Rev.* Address: Dept. of Marketing, Mississippi State University, P.O. Drawer N, State College, Miss. 39762.
- NASH, DR. JOHN, b. London, Eng, Apr. 21, 20; m. 52; c. 4. PSYCHOLOGY. B.Sc, Edinburgh, 50, Carnegie scholar, 50-52, Ph.D., 54. Chief psychologist, N.B. Prov; Hosp, 53-56; chief psychologist, univ. hosp. & spec. lectr. psychol, Saskatchewan, 56-60; lectr, PSYCHOL, Sydney, 60-61; ASST. PROF, MCGILL, 64- Dir. dept. psychol, Montreal Children's Hosp, 64- Royal Navy, 40-41. Can. Psychol. Asn; Soc. Res. Child Develop. Developmental and clinical psychology. Publ: The father in contemporary culture and current psychological literature, *Child Develop*, 36: 261-297; The father in child development, *Rev. Res. Child Develop*, 68; Principals of developmental psychology, (in press). Address: Dept. of Psychology, McGill University, Montreal, Que, Can.
- NASH, DR. JUNE C(APRICE), b. Salem, Mass, May 30, 27; m. 51; c. 2. ANTHROPOLOGY. B.A., Barnard Col, 48; M.A., Chicago, 53, Ph.D.(anthrop), 60. Asst. prof. ANTHROP, Chicago Teachers Col-North, 61-63; Yale, 64-68; ASSOC. PROF, N.Y. UNIV, 68- Nat. Inst. Ment. Health fcls, 60-61 & 64-65. Anthropol. Asn; Ethnol. Soc. Maya Indians social and cultural change; social control and witchcraft; ideology and development in Latin America. Publ: Living with nats: an analysis of animism in Burman village social relations, *Yale*, 66; co-auth, Local and territorial units, *Texas Univ*, 67; auth, Death as a way of life: increasing rate of homicide in a Mexican Indian community, *Am. Anthropologist*, 68. Address: Dept. of Anthropology, New York University, New York, N.Y. 10003.
- NASH, PROF. MANNING, b. Philadelphia, Pa, May 4, 24; m. 51; c. 2. ANTHROPOLOGY. B.S. Temple, 49; A.M., Chicago, 52, Soc. Sci. Res. Coun. fel, 53-54, Ph.D.(anthrop), 55. Asst. center study econ. develop. & cultural change, Chicago, 52-53, res. assoc, 54-55; acting instr. anthrop. & sociol, California, Los Angeles, 55-56; asst. prof. ANTHROP, Washington (Seattle), 56-57; assoc. prof, CHICAGO, 57-63, PROF, 63- Nat. Sci. Found. fel, 60-61, res. grant, 66-68. U.S.A., 42-46. Fel. Anthropol. Asn. Economic development and cultural change; ethnology of Mesoamerica, Burma and Southeast Asia; social change and modernization in Malaya. Publ: The golden road to modernity, Wiley, 65; Peasant and primitive economic systems, Chandler Pub, 66; Machine age Maya, *Memoirs, Am. Anthropol. Asn.* Address: Dept. of Anthropology, University of Chicago, Chicago, Ill. 60637.
- NASH, PROF. MYRTLE C(ORLISS), b. New York, N.Y., Mar. 7, 15; m. 43; c. 1. PSYCHOLOGY. A.B. Swarthmore Col, 37; M.A. Bryn Mawr Col, 38, Ph.D., 50. Res. assoc. character res. proj, Union Col, 49-52; asst. prof. PSYCHOL, Drake, 52-54; assoc. prof, Southwestern at Memphis, 54-62; Converse Col, 62-67; PROF. & CHMN. DEPT. KEUKA COL, 67- Psychol. Asn. Visual perception; experimental basis of adaptation-level theory; teaching process. Address: Dept. of Psychology, Keuka College, Keuka Park, N.Y. 14478.
- NASH, PROF. PETER HUGH, b. Frankfurt-on-Main, Germany, Sept. 18, 21; nat; m. 55; c. 2. URBAN GEOGRAPHY, CITY & REGIONAL PLANNING. B.A., California, Los Angeles, 42, Gruen fel, 41-42, M.A., 46; fel. & cert. d'Etudes, Grenoble, France, 45; univ. fel, Wisconsin, 46-47; Holtzer fel, Harvard, 47-48, 49-50, M.C.P., 49, M.P.A., 56; Ph.D.(city & regional planning), Harvard, 58. Asst. prof, East. Wash. Col. Ed, 48; prin. planning asst, City of Boston Planning Bd, Mass, 49-50; sr. planner, Worcester Planning Dept, 50-51; Boston Housing Authority, 51-52; dir. planning dept, City of Medford, 52-56; lectr. & acting asst. prof. geog, Boston, 56-57; assoc. prof. city & regional planning & res. assoc, inst. res. in soc. sci, North Carolina, 57-59; prof. geog. & head dept. geog. & regional planning, Cincinnati, 59-63; PROF. GEOG. & REGIONAL PLANNING, DEAN GRAD SCH. & DIR. GRAD. CURRICULUM COMMUNITY PLANNING & AREA DEVELOP, RHODE ISLAND, 63- Instr. center adult ed, Cambridge, 49-57; lectr, Northeastern, 54-56; vis. critic, grad. sch. design, Harvard, 56-57; summer vis. prof, Southern California, 59, 62 & Aroostook State Col, 61; Soc. Sci. Res. Coun. & Nat. Sci. Found. grants, 60; lectr, Athens Center Ekistics & participant Delos Symp, 67. Consult, bur. pub. admin, California, 57; urban res. consult, Battelle Mem. Inst, Ohio, 67- Correspondent, J. Ekistics, 62- Res. dir, Citizens Develop. Cmt, City of Cincinnati, Ohio, 59-60; adv, Better Housing League, Cincinnati & Hamilton County, 59-; metrop. probs, Brookings Inst, 60-61; West. Hemisphere rep, Cmn. Appl. Geog, Int. Geog. Union, 64-; hon. mem, Inst. Alpine Geog, France. Medal Appl Geog, Univ. Liege, 67. Mil. Intell, U.S.A., 43-45; Bronze Star; Croix de Guerre. AAAS; Am. Geog. Soc; Inst. Planners; Soc. Pub. Admin; Asn. Am. Geog; Int. City Mgr. Asn; Coun. Geog. Ed; Regional Sci. Asn. Area development; urban geography and urban renewal; theory and methodology of geography and planning; municipal management and metropolitan problems; administration of graduate education. Publ: Legislative reapportionment, urban planning, and the Supreme Court, *J. Am. Inst. Planners*; Public planning boards: abolition or systematic proliferation, *Boston Col. Law Rev*, 65; Multiple therapies plus programmed kinetogenesis: a shading difference, *J. Ekistics*, 1/68. Address: 65 Stonehenge Rd, Kingston, R.I. 02881.

NASH, DR. PHILLO, b. Wisconsin Rapids, Wis., Oct. 25, 09; m. 35; c. 2. ANTHROPOLOGY. A.B. Wisconsin, 32; Soc. Sci. Res. Coun. fel, Chicago, 35, Ph.D.(anthrop), 37. Lectr. anthrop, Toronto, 37-41; spec. lectr, Wisconsin, 41-42; spec. asst. to dir. domestic br, Off. War Info, 42-45; spec. asst, Exec. Off. President, 46-52; admin. asst. to President, 52-53; lt. gov. Wis, 59-61; cmnr. Indian affairs, U.S. Govt, 61-65; CONSULTING ANTHROPOLOGIST, 65- Participant, Am. Specialist Prog, U.S. Dept. State, India, 66; res. assoc. Smithsonian Inst, 68-; summer fel, Lab. Anthropol, N.Mex, 34. Spec. consult, Secy. War, 63. Asst. keeper, Royal Ont. Mus. Archaeol, 37-41; chmn, Democratic Party, Wis, 55-57; v.chmn, Menominee Indian Voting Trust, 58-59; hon. curator, Milwaukee Pub. Mus, 58-; mem, Secy. Interior's Task Force Indian Affairs, 61. Asn. Am. Indian Affairs; fel. Anthropol. Asn; Soc. Appl. Anthropol. Acculturation; applied anthropology; community development; administration of dependent areas; race relations; economic development. Publ: Religious revivalism on Klamath Reservation, In: Social anthropology of North American tribes, Chicago, 37; American Indian affairs today, Delphian Quart, 64; American Indian and the war on poverty, Bur. Indian Affairs, 64. Address: 1028 Connecticut Ave. N.W., Suite 1108, Washington, D.C. 20036.

NASH, PROF. RUSSELL WILLIAM, b. Minneapolis, Minn, Feb. 25, 21; m. 44; c. 2. SOCIOLOGY. B.A. Minnesota, 43; A.M. Columbia, 48; New Sch. Soc. Res. 49-51; Iowa, 61-63. From instr. to asst. prof. sociol. & psychol, Whitman Col, 52-57; asst. prof. SOCIOL, Coe Col, 57-64; ASSOC. PROF. & HEAD DEPT. DUBUQUE, 65- U.S.N.R. 43-46, Lt.(jg). Fel. Sociol. Asn; Soc. Study Social Probs; Acad. Polit. Sci; Nat. Coun. Family Rels. Social disorganization; sociology of American culture. Publ: Max Shulman and the changing image of suburbia; Social types and stereotypes in Ellison's invisible man, Sociol. Quart, winter 65; Henderson the Rain King as an anthropological novel. Address: Dept. of Sociology, University of Dubuque, Dubuque, Iowa 52001.

NASON, PRES. JOHN W(ILLIAM), b. St. Paul, Minn, Feb. 9, 05; m. 35; c. 2; m. 57; c. 3. INTERNATIONAL RELATIONS. B.A. Carleton Col, 26, LL.D. 48; Yale, 26-27; M.A. Harvard, 28; Rhodes scholar, Oxford, 28-31, B.A. 31; hon. Litt.D. Muhlenberg Col, 43, Hahnemann Med. Col, 43; LL.D. Pennsylvania, 41, Swarthmore Col, 53, Hamilton Col, 55, Brandeis, 58, Hopkins, 60; L.H.D. Dropsie Col, 52, Col. Wooster, 61. Instr. philos, Swarthmore Col, 31-34, asst. prof, 34-40, asst. to pres, 38, 40, PRES, 40-53; For. Policy Asn, 53-62; CARLETON COL, 62- Philosophy of Leibniz. Publ: American higher education in 1980—some basic issues, Aspen Inst, 65. Address: Carleton College, Northfield, Minn. 55057.

NASS, DR. GILBERT D, b. Dodge Co, Wis, Aug. 27, 29; m. 52; c. 4. SOCIOLOGY. B.A. Wartburg Col, 52; M.A. Iowa, 58, Ph.D.(sociol), 64. Instr. sociol, Iowa, 58-60; instr. Presby-St. Luke's Sch. Nursing, Chicago, 61-63; asst. prof, Western Illinois, 64-65; CHILD DEVELOP. & FAMILY RELS, CONNECTICUT, 65-67, ASSOC. PROF, 67- Sociol. Asn; Nat. Coun. Family Rels; Soc. Res. Child Develop. Self and role behavior; family interaction and personality. Publ: Co-auth, Dating behavior: a framework for analysis, In: Sourcebook in marriage and the family, 3rd ed, Houghton, 68; The value judgement dilemma in patient care, Nursing Outlook, 65; The sacredness of .05: a note concerning the uses of statistical levels of significance, Am. Sociologist, 67. Address: Dept. of Child Development & Family Relations, University of Connecticut, Storrs, Conn. 06268.

NASS, PROF. MARTIN L(EO), b. New York, N.Y., July 2, 26; m. 50; c. 2. CLINICAL & DEVELOPMENTAL PSYCHOLOGY. B.A. Long Island, 48; A.M. N.Y. Univ, 49, Ph.D.(clin. psychol), 54. Intern, State Psychol. Training Prog, N.Y. 49-50, psychologist, bur. child guid, 50-54; bur. ed. res, New York Bd. Ed, 54-55; from asst. prof. to assoc. prof. ed. & clin. psychologist, BROOKLYN COL, 55-67, PROF. ED, 68- Nat. Inst. Ment. Health spec. res. fel, N.Y. Univ, 62-63, vis. assoc. prof. psychol, 66- Dipl. Am. Bd. Exam. Prinl. Psychol, 59. U.S.N. 44-46. Psychol. Asn; Orthopsychiat. Asn. Psychoanalysis; conscience development; training of psychologists. Publ: Effects of three variables on children's concepts of physical causality, J. Abnorm. & Soc. Psychol; co-auth, Social class differences in conscience development, Child Develop; auth, The super ego and norm development in the theories of Freud and Piaget, In: Psychoanalytic study of the child, Int. Univs, 66. Address: 19 W. Ninth St, New York, N.Y. 10011.

NASSE, PROF. GEORGE N(ICHOLAS), b. Woonsocket, R.I., Oct. 26, 24; m. 61; c. 1. GEOGRAPHY. A.B. Clark, 53; M.A. Michigan, 54, Nat. Sci. Found. fel, 58, Ph.D. 60. Instr. geog, Wis. State Col.(Oshkosh), 57-58; vis. lectr. geog. & Asian civilization, New Paltz Col. Ed, State Univ. N.Y. 59-60; asst. prof. geog, Western Michigan, 60-62; Northern Michigan, 62-65; ASSOC. PROF, FRESNO STATE COL, 65- U.S.M.C. 43-46, 50-51, Sgt. Asn. Am. Geog; Am. Geog. Soc. Strategic importance of and evolution of governments of the Mediterranean lands and Balkan Peninsula. Publ: Italo-Albanian colonies of South Italy. Address: Dept. of Geography, Fresno State College, Fresno, Calif. 93725.

NASSIMBENE, RAYMOND, Hartville, Wyo, Mar. 25, 07. ECONOMICS, STATISTICS. B.S. Denver, 31; Columbia, 39-41. Statistician, State Employ. Serv, Colo, 34-35; res. analyst, Fed. Econ. Recovery Admin. & Works Progress Admin, 35-39; mkt. analyst, U.S. Pub. Housing Agencies, 41-45; statistician, U.S. Bur. Budget, 45-50; chief final prod. sect, nat. income div, U.S. Dept. Commerce, 50-55; exec. asst. statist. tech, U.S. Bur. Budget, 55-67; CONSULT. ECON. STATIST, WASH, D.C. 68- Statist. Asn; Am. Acct. Asn; Inst. Mgt. Sci. Statistical methodology and evaluation; economic analysis. Publ: International statistics on national income and expenditure accounts, Part II Joint Econ. Cmt. Memorandum, 58; prin. co-auth, Business equipment, 1929-1953: measures of purchases, depreciation, retirement and stocks, Surv. Current Bus, 12/54 & An appraisal of OBE-SEC estimates of plant and equipment expenditures, 1947-1958, U.S. Bur. Budget, 10/59. Address: Apt. 720B, 4000 Cathedral N.W., Washington, D.C. 20016.

NATCHEZ, DR. GLADYS WORMS, b. New York, N.Y., Nov. 13, 15; m. 39; c. 3. CLINICAL PSYCHOLOGY. M.A. Columbia, 39; Ph.D. N.Y. Univ, 58; Adelphi, 63-67. Remedial reading specialist, Bd. of Coop. Ed. Serv, 53-58; ASSOC. PROF. LEARNING DISABILITIES, CITY COL. NEW YORK, 58-

Psychotherapist & remedial specialist, 51-68. Psychol. Asn; Orthopsychiat. Asn. Relationship between personality characteristics and reading difficulties. Publ: Personality patterns and oral reading; co-auth, Reading disability diagnosis and treatment, 64, auth, Classic and contemporary issues in reading disability, 68 & Children with reading problems, 68, Basic Books. Address: 617 Parkway, Mamaroneck, N.Y. 10543.

NATHAN, DR. KURT, b. Kaukehmen, Germany, Apr. 24, 09 nat; m. 35; c. 3. ECONOMICS. B.A. Kiel, 32, Dr. rer. pol, 33. Res. asst, inst. int. econ. & ocean transportation, Kiel, 33-34; asst. mgr, Travel Bur. Astoria, Inc, Germany, 34-35; export mgr. & mgr. forwarding dept, S. Stern, Stiner & Co, Inc, N.Y., 36-43; shipping analyst, Bd. Econ. Warfare, Wash, D.C. 43; analyst, For. Econ. Admin, 43-45; U.S. Dept. Commerce, 45-46; asst. to cmnr, U.S. Maritime Cmn, 46-50; econ. adv. for. aid, Econ. Coop. Admin, Mutual Security Agency & For. Ops. Admin, Manila, P.I. 50-55; int. economist, Far East Prog, Int. Coop. Admin, D.C. 55-59; econ. adv. AGENCY INT. DEVELOP, Djakarta, Indonesia, 59-64, asst. dir. develop. planning, Bogota, 64-66, ECON. ADV. RECIFE, BRAZIL, 66- Consult, U.S. Dept. Commerce, 50. Econ. Asn; Soc. Int. Develop. Ocean transportation; government regulation and promotion of ocean shipping; economic development planning; administration; industrial development; agricultural economics. Address: Consulate General, Economic Advisor, Agency for International Development, Recife, Pernambuco, Brazil.

NATHAN, DR. OTTO, b. Bingen, Germany, July 15, 93. ECONOMICS. Ph.D. Würzburg, 20. Econ. adv. Fed. Govt, Germany, 20-33; dir. int. res. inst. Bus. Cycle Res, 26-30; econ. adv. commercial policy & gen. econ. probs, Ministry Econ, 30-33; via. lectr, Princeton, 33-35; N.Y. Univ, 35-36; assoc. prof. econ, 36-58; FREE-LANCE RESEARCHER, 58- Mem. econ. faculty, hochsch. polit, Berlin, 28-33; prof, Vassar Col, 42-44; instr. U.S. Army Univ.(France), 45-48; vis. prof, Howard, 46-52. Chief econ. analyst, U.S. Dept. Treasury, 44-45; consult, Library of Cong, 46-52. Econ. adv, President's Cmt. Employ, 30-31. Am. Econ. Asn; Am. Polit. Sci. Asn; Royal Econ. Soc. Nazi economic system; unemployment insurance in the light of German experience; international economic action and peace; transition to socialism in eastern Europe. Publ: Co-ed, Einstein on peace; auth, Development of underdeveloped countries and the economics of Poland since 1945; The economics of permanent peace. Address: 55 E. Tenth St, New York, N.Y. 10003.

NATHAN, DR. PETER, b. St. Louis, Mo, Apr. 18, 35; m. 59; c. 3. CLINICAL PSYCHOLOGY. A.B. Harvard, 57; Ph.D.(clin. psychol), Washington (St. Louis), 62. Trainee clin. psychol, Vet. Admin. Hosp, St. Louis, Mo, 59-62; res. fel. PSYCHOL, dept. psychiat, Harvard Med. Sch. & Behav. Res. Lab, 62-64, RES. ASSOC, HARVARD MED. SCH. & BOSTON CITY HOSP, 64- Instr, St. Louis Col. Pharm, 60-62. Consult, E.I. duPont de Nemours & Assocs. Res. Behav, 64-66; div. alcoholism, Mass. Dept. Pub. Health, 64-; Vet. Admin. Hosp, Brockton, 64- U.S.A. 57-58. Psychol. Asn. Experimental analysis of human behavior; systems-analysis of psychopathology. Publ: Cues, decisions and diagnoses, Academic, 67; Experimental analysis of a brief psychotherapy relationship, Am. J. Orthopsychiat, 68; Operant range and variability during psychotherapy, J. Nervous & Ment. Disease, 68. Address: 7 Suzanne Rd, Lexington, Mass. 02173.

NATHAN, DR. REUBEN S(IEGMUND), b. Germany, June 8, 07; nat; m. 40; c. 2. POLITICAL SCIENCE. Ph.D.(polit. sci), Innsbruck, Austria, 36. Spec. events ed, Off. War Info, 42-45; chief Anglo-Am. joint mag. pub. proj, Supreme Hqs, Allied Exped. Force, Eng, 45-46; periodicals sect, U.S. Dept. State & U.S. Dept. Army, 46-50; policy dir, Radio Free Europe, 50-62; COMMUNICATIONS CONSULT, 62- Lectr, Army Spec. Warfare Sch, Ft. Bragg, N.C. 52-; instr, grad. sch. pub. admin, N.Y. Univ, 53-60; lectr, Armed Forces Staff Col, Norfolk, Va, 61-; Exec. Civil Serv. Seminar, Kings Point, N.Y. 64-; U.S. Army Command & Gen. Staff Col, Ft. Leavenworth, Kans, 65-; U.S. Air Force Spec. Air Warfare Sch, Hurlburt Field, Fla, 67- U.S.A.R. 43-66, Col. Polit. Sci. Asn; Acad. Polit. Sci; Acad. Polit. & Soc. Sci. Economics; propaganda and psychological warfare; geopolitics. Publ: Westliche aussen politik und westliche propaganda, Aussen Politik, Stuttgart, Germany, 8/62; Psychological warfare: key to success in Viet Nam, Orbis, spring 67. Address: R.D.1, West Redding, Conn. 06896.

NATHAN, ROBERT R(OY), b. Dayton, Ohio, Dec. 25, 08; m. 47; c. 3. ECONOMIC STATISTICS. B.S. Pennsylvania, 31, A.M. 33; LL.B. Georgetown, 38. Economist, bur. for. & domestic commerce, U.S. Dept. Commerce, 33-36, chief nat. income div, 36-40; asst. dir. bur. res. & statist, Off. Prod. Mgt, 40-42; chmn. planning cmt, War Prod. Bd, 42-43; dep. dir. for reconversion, Off. War Mobilization & Reconversion, 45; CONSULT, ECONOMICIST & PRES, ROBERT R. NATHAN ASSOCS, INC, 46- Consult, French Govt, 46; President's Cmn. Econ. Security, 34. Asst. dir. res, State Emergency Relief Bd, Pa; acting dir, Combined Prod. & Resources Bd, U.S. & United Kingdom, 42-43. Mem. Nat. Cmn. Money & Credit, 58-61; trustee & mem. res. & policy cmt, Cmt. Econ. Develop, 61. U.S.A. 43. Statist. Asn. (v-pres, 40); Econ. Asn; Mkt. Asn; Planning Asn. Defense economics; national income; unemployment. Publ: Mobilizing for abundance; Palestine, problem and promise; A national economic policy for 1949. Address: Robert R. Nathan Associates, Inc, 1218 16th St. N.W., Washington, D.C. 20036.

NATHANSON, DR. YALE S(AMUEL), b. Philadelphia, Pa, Mar. 25, 95; m. 24; c. 1. PSYCHOLOGY. B.Sc. Pennsylvania, 23, scholar, 23-24, M.A. 24, Ph.D. (psychol), 30. Asst. city ed, Phila. Press, 19-21; asst. psychol, Pennsylvania, 24-27, instr, 27-37; asst. prof. sch. med, Temple, 37-45; DIR, PSYCHOL. RES. CENTER, INC, 45- Asst. prof, exten, Pa. State Col. of Optom, 28-31, prof, 30-35; lectr, State Dept. Ed, Mass; Junto Adult Sch, Phila, 42-55; Philadelphia Col. Art, 65- Chief clin, St. Christopher's Hosp. for Children; psychol. serv, Woman's Hosp, Phila. Psychologist & psychol. exam, pub. schs, Pa. Consult, Bur. Voc. Rehab, 45- U.S.A. 17-19; Adj. Gen. Off, 42-44, Lt. Col. Fel. Psychol. Asn; fel. Speech & Hearing Asn; Rehab. Asn; Nat. Asn. Deaf; Nat. Rehab. Counseling Asn. Mental deficiency; speech defects; clinical psychology; psychology of deafness; methods of communication; dynamics of learning. Publ: Co-auth, Correction of defective speech; Analysis of sounds and frequency words; Conceptual basis of reading modification. Address: 2048 Pine St, Philadelphia, Pa. 19103.

- NATIELLO, DR. THOMAS A(NTHONY)**, b. New York, N.Y., Dec. 23, 36; m. 60; c. 1. **MANAGEMENT**. B.S. Mich. State, 59, M.B.A. 63, Ph.D.(mgt), 66. Designer electro-mech. devices, Markite Corp, 55-56; res. asst. sociol, Mich. State, 63-65, Ford Found. fel. mgt, 65-66; consult. mgt. systs, Apollo-Saturn V Prog, aerospace div, Boeing Co, 66; ASST. PROF. MGT, MIAMI (FLA), 66- Nat. Sci. Found. res. grant, 66- Consult, East Airlines, 66; Radio Corp. Am, 67-; Equal Opportunity Task Force C, 67- U.S.N., 59-61. Acad. Mgt. Development and utilization of human resources through investigation of the administration of professional groups in large organizations; administration of research and development programs; role of science in human affairs. Publ: The utilization of engineers in industrial organization: a socio-psychological analysis of the discontent of a profession, Mich. State Univ, 6/66; Motivation for work preference, Bus. Topics, spring 68. Address: Dept. of Management, University of Miami, P.O. Box 8524, Coral Gables, Fla. 33124.
- NATOLI, DR. SALVATORE J(OHN)**, b. Reading, Pa., Sept. 12, 29. **GEOGRAPHY**. B.S. Kutztown State Col, 51; scholar, Clark, 55-56, fel. 56-57, 63-65, A.M. 57, Ph.D.(geog), 67. Teacher, high sch, Md, 53-55; asst. geog, Clark, 56-57; asst. prof. Mansfield State Col, 57-59, assoc. prof, 59-63; instr. econ. geog, Clark, 64, lectr, 64-65; instr, Connecticut, 66; consult geog, U.S. OFF. ED, 66-67, CHIEF. GEOG. SECT. & ACTING CHIEF ECON. SECT, DIV. ED. PERSONNEL TRAINING, 67- U.S.A., 51-53, Res, 53-59. Asn. Am. Geog; Nat. Coun. Geog. Ed. Am. Geog. Soc. Zoning and urban land use problems; sequent occupance studies; urban geography. Publ: What geography is not; Effects of zoning upon the development of urban land use patterns, Univ. Microfilms; Geography and educational media. Address: U.S. Office of Education, Washington, D.C. 20202.
- NATRELLA, MARY G(IBBONS)**, Statist, see 11th ed, Phys. & Biol. Vols.
- NATRELLA, VITO**, b. Brooklyn, N.Y., Dec. 2, 16; m. 50; c. 2. **ECONOMICS, STATISTICS**. B.A. Brooklyn Col, 37; M.A. American Univ, 62. Statistician, Securities & Exchange Cmn, D.C., 39-48, chief, econ. res. sect, 48-60, asst. dir, div. trading & exchanges, 60-64; DIR. STATIST. DIV. INTERNAL REVENUE SERV, 64- Mem. conf. income & wealth, Nat. Bur. Econ. Res, 49- Fel. Statist. Asn; Econ. Asn. Capital markets; individual and corporate saving; investment; corporate financial position; economics of pension funds. Publ: Co-auth, Individuals saving: volume and composition; ed, The flow of funds approach to social accounting, Nat. Bur. Econ. Res, 62; auth, Implications of pension fund accumulations, Proc. Am. Statist. Asn. Address: 1718 N. Hartford St, Arlington, Va. 22201.
- NATSOULAS, DR. THOMAS**, b. New York, N.Y., Mar. 1, 32; m. 53; c. 2. **EXPERIMENTAL PSYCHOLOGY**. B.A. Brooklyn Col, 53; M.A. Michigan, 55, U.S. Pub. Health Serv. fel, 57-58, Ph.D. 60. Asst. animal psychol, Michigan, 53-54; soc. psychol, Res. Center Group Dynamics, 54-57; instr. PSYCHOL, Michigan, 58-59; asst. prof, Wesleyan, 59-62; Wisconsin, 62-64; CALIFORNIA, DAVIS, 64-66, ASSOC. PROF, 66- Psychol. Asn. Perception; cognition; theory. Publ: Principles of momentum and kinetic energy in the perception of causality, Am. J. Psychol; Converging operations for perceptual defense, 65 & What are perceptual reports about?, 67, Psychol. Bull. Address: 1030 Fordham Dr, Davis, Calif. 95616.
- NATUNEWICZ, DR. HENRY**, Psychol, see 10th ed, Soc. & Behav. Vols.
- NAUHEIM, CHARLES WILLIAM**, b. Holton, Kans., Feb. 17, 09; m. 35. **AGRICULTURAL ECONOMICS**. B.S. Kansas State, 32, M.S. 34. Jr. economist, bur. agr. econ, U.S. Dept. Agr, Nebr, 35, agr. economist, Wis. 44-46; farm mgr, Equitable Life Assurance Soc, N.Y., 35-39, asst. to loan supvr, Mo. & Iowa, 40-44; wheat supvr. & grain buyer, Pillsbury Mills, Inc, Ill, 46-49; agr. economist, bur. agr. econ, U.S. DEPT. AGR, 49-51, asst. head west. sect, agr. res. serv, D.C., 51-54, sr. agr. economist, Kans, 54-60, area leader, econ. res. serv, 60-65, AGR. ECONOMIST, ECON. RES. SERV. PROD. ECON. RES. BR, KANSAS STATE, 65- Agr. Econ. Asn. Farm management and production economics; land and water economics and conservation; agricultural finance. Publ: Wheat production: trends, problems, programs, opportunities for adjustment, Agr. Info. Bull; Economics of soil conservation, northeastern Kansas, Agr. Econ. Report; Flexible livestock systems, Great Plains Coun. Pub. Address: Economic Research Service, Farm Production Economics Research Branch, Kansas State University, Manhattan, Kans. 66502.
- NAUMANN, PROF. THEODOR F(RIEDRICH)**, b. Essen, Germany, Aug. 15, 18; m. 49; c. 3. **PSYCHOLOGY**. M.E. State Col. Eng, Essen, Germany, 40; B.A. Warner Pac. Col, 52; M.A. Oregon State, 54; Ph.D. Oregon, 56. Res. engr. aerodynamics, Aviation Res. Inst, Germany, 40-45; consult. engr, 45-49; asst. ed. res, Oregon, 53-54; teacher, MacLaren Sch. Boys, Ore, 54-55; instr. psychol. & Greek, Fritzlar Sem, Germany, 56; Overseas Prog, Maryland, 56-57; psychol. & ed, Warner Pac. Col, 57-59; PROF. PSYCHOL, CENT. WASH. STATE COL, 59- Consult. res. psychologist, Ore. Fairview Home, 58-59; pub. schs, Wash, 59-63. Dir, hosp. improvement proj, Yakima Valley Sch, Wash, 67-70. Psychol. Asn; Asn. Ment. Deficiency; Ed. Res. Asn; Montessori Soc. Development and training in early childhood; personality studies; human learning; programed learning; psychology and education of handicapped children. Publ: Teachers' orientation to learning and teaching related to contemporary theories of learning, Calif. J. Ed. Res; A laboratory experience in programed learning for students in educational psychology; J. Prog. Instr; co-auth, Learner-centered education, Cent. Wash. State Col, 68. Address: Dept. of Psychology, Central Washington State College, Ellensburg, Wash. 98926.
- NAURATH, DAVID A(LLISON)**, b. Houston, Tex., Mar. 11, 27; m. c. 4. **EXPERIMENTAL & ENGINEERING PSYCHOLOGY**. B.A. Simpson Col, 48; M.A. Southern Methodist, 49; Denver, 55-57. Indust. engr, Kelly Air Force Base, Tex, 51; job analyst, Lowry Air Force Base, Colo, 51-55, exp. res. psychologist, maintenance lab, 55-58; personnel lab, Lackland Air Force Base, Tex, 58-60; eng. psychologist, life sci. dept, Pac. range, U.S. NAVAL MISSILE CENTER, POINT MUGU, 60-65, RES. PSYCHOLOGIST, LAB. DEPT, 65-U.S.A.A.F., 44-46. AAAS; Psychol. Asn; Soc. Eng. Psychol; Human Factors Soc. Sensory, perceptual and psychomotor functions of flight; control display relationships and interpretation; design and evaluation of systems; human factors and aerospace problems of nuclear energy; simulation; training; learning; bioastronautics. Publ: Prototype task equipment analysis; Flight operations analysis, Human Eng; Effect of job experience and organization on the rating of tasks, J. Eng. & Indust. Psychol. Address: 5633 Pembroke St, Ventura, Calif. 93003.
- NAUS, DR. JOSEPH IRWIN**, Math. Statist, see 11th ed, Phys. & Biol. Vols.
- NAVRAN, DR. LESLIE**, b. Brooklyn, N.Y., June 30, 21; m. 43; c. 2. **CLINICAL PSYCHOLOGY**. A.B. Stanford, 47, M.A., 49, Ph.D.(clin. psychol), 52. Instr. psychol, San Francisco State Col, 51-52; clin. psychologist, Vet. Admin. Hosp, American Lake, Wash, 52-55, staff psychologist & chief clin. psychol. serv. Sepulveda, Calif, 55-61; staff psychologist, dept. psychiat, South. Calif. Permanente Med. Group, 61-66; sr. staff psychologist, Ment. Health Develop. Center, 66-67; vis. assoc. prof. psychol, Southern California, 67-68; private practice, 68- Consult, Calif. Inst. Men, 62-65; Los Angeles County Dept. Ment. Health, 66- President's citation, 61. U.S.C.G., 40-45, Res, 45- Comdr. Psychol. Asn. Personality and vocational choice; rehabilitation of mentally ill; group work and psychotherapy; communication and adjustment in marriage. Publ: Co-auth, Comparative analysis of the personality structure of psychiatric and non-psychiatric nurses, Nursing Res; Returning mental patients to the community: an analysis of placement failures, Ment. Hyg; auth, Communication and adjustment in marriage, Family Process, 9/67. Address: P.O. Box 5023, Station B, Fort Street, Victoria, B.C., Can.
- NAWAS, PROF. M(UNIR) MIKE**, b. Jaffa, Israel, Mar. 25, 28; U.S. citizen; m. 53; c. 3. **PSYCHOLOGY**. Univ. fel. Chicago, 57-58, M.A., 58, Louis Ascher fel, 58-59, U.S. Pub. Health Serv. fel, 59-61, Ph.D.(human develop), 61. Res. asst, Chicago, 58-60; intern clin. psychol, neuropsychiat. inst, col. med, Illinois, 60-61; asst. prof. PSYCHOL, MISSOURI, COLUMBIA, 61-64, assoc. prof, 65-66, PROF, 66- Consult, Fulton State Hosp, Mo, 62-; Vet. Admin. Hosp, N. Little Rock, Ark, 65- AAAS; Psychol. Asn; Asn. Adv. Behav. Ther. Behavior modification and psychotherapeutic processes; developmental psychology. Publ: Co-auth, Psychotherapeutic improvement as a function of communication and adoption of therapists' values, J. Counseling Psychol, 64; auth, Objective scoring of the TAT: further validation, J. Proj. Tech. & Personality Assessment, 65; Women in role conflict, In: Psychology in action, Macmillan, 67. Address: Dept. of Psychology, University of Missouri, Columbia, Mo. 65202.
- NAYLOR, DR. H(ARRY) L(EE)**, b. Minneapolis, Minn., May 11, 11; m. 40; c. 2. **ANTHROPOLOGY**. Ph.D.(anthrop), New Mexico, 50. Research assoc. prof, U.S. for. policy, Mass. Inst. Tech, 50-51; sr. community develop. specialist, for. community develop, For. Ops. Admin, U.S. Embassy, Tehran, Iran, 51-52; for. serv. rep, U.S. Dept. State, 52-56, Philippines, 57-61, Sierra Leone, 61-62; sr. eval. officer, res. & eval. staff, U.S. AGENCY INT. DEVELOP, 62-64, res. officer, Nairobi, Kenya, 65-66, CHIEF SOC. DEVELOP, SAIGON, VIETNAM, 66- U.S.A., 40-46, Lt. Col. AAAS; fel. Anthropol. Asn. Social science research in developing countries. Address: USAID/SOC, APO San Francisco 96243.
- NAYLOR, PROF. JAMES C(HARLES)**, b. Chicago, Ill., Feb. 8, 32; m. 53; c. 3. **HUMAN PERFORMANCE, STATISTICS**. B.S. Purdue, 57, M.S., 58, Nat. Sci. Found. fels, 59-60, Ph.D.(indust. psychol), 60. Asst. prof. psychol, Ohio State, 60-63, assoc. prof, 63-67, prof. & v.chmn. dept, 67-68, res. assoc, lab. aviation psychol, 60-68; PROF. PSYCHOL. & HEAD DEPT, PURDUE, 68- U.S.N., 50-54. AAAS; fel. Psychol. Asn; Psychomet. Soc; Psychonomic Soc. Experimental design and analysis; decision making as related to source accuracy, variability and stress; choice behavior; judgmental processes; human inference. Address: Dept. of Psychology, Purdue University, Lafayette, Ind. 47907.
- NAYLOR, DR. REX V(AUGHN)**, b. Grafton, W.Va., Nov. 15, 20; m. 60; c. 3. **SPEECH PATHOLOGY, CLINICAL PSYCHOLOGY**. A.B. W.Va. Wesleyan Col, 42; M.A. Ohio State, 52, Ph.D.(speech path), 55. Staff correspondent journalism, United Press Asn, 47-51; clin. asst. speech path, speech dept, Ohio State, 53-55; asst. supvr, speech sect, audiol. & speech center, Walter Reed Gen. Hosp, 55-58, clin. psychologist speech path. & clin. psychol, 58-61, chief psychol. sect. & speech pathologist, 61-66; SPEECH PATHOLOGIST, U.S. NAVAL HOSP, NAT. NAVAL MED. CENTER, 66- U.S.A., 42-46, Sgt. Psychol. Asn; Speech & Hearing Asn. Stuttering; speech disorders; individual and group psychotherapy. Publ: Brief study of methods of estimating the severity of stuttering, J. Speech & Hearing Disorders; Helping the stutterer, Nat. Ed. Asn. J; Clinical investigations of stuttering: II. treatment and follow-up of the adult stutterer, U.S. Army Med. Res. & Develop. Command, 68. Address: Speech Pathology, Bldg. 7, U.S. Naval Hospital, National Naval Medical Center, Bethesda, Md. 20014.
- NEAL, DR. ALFRED C(LARENCE)**, b. Kentfield, Calif., June 23, 12; m. 37. **ECONOMICS**. A.B. California, 34; London, 36-37; Ph.D.(econ), Brown, 41, hon. LL.D., 57. Instr. econ, Brown, 37-40, asst. prof, 42-43; economist, Off. Price Admin, D.C., 43-45; dir. res, Fed. Reserve Bank, Boston, 46-48, v.pres, 48-51, first v.pres, 51-56; PRES. CMT. ECON. DEVELOP, 56- Economist, Randall Cmn, U.S. Govt, 43-45; econ. adv, Arthur D. Little, Inc, Iraq & Mid. East, 55. Mem. President's Pub. Adv. Cmt. Trade Negotiations, 64-67; bus. leadership adv. coun, Off. Econ. Opportunity, 65-; Center Inter-Am. Rel; bd. mem, Coun. For. Rel, 67-; Ed. Develop. Center, 67-; Inst. Pub. Admin, 67-; Hampshire Col, 68- Fel. Am. Acad. Arts & Sci; Econ. Asn; Statist. Asn; Newcomen Soc. Central banking; economic development; international economics. Publ: Industrial concentration and price inflexibility, 42; co-auth, Modern economics, 48 & The New England economy, 51. Address: Committee for Economic Development, 477 Madison Ave, New York, N.Y. 10022.
- NEAL, DR. ARTHUR GALE**, b. Rock, W.Va., Nov. 22, 29; m. 57; c. 2. **SOCIOLOGY, ANTHROPOLOGY**. A.B. Concord Col, 51; M.A., Ohio State, 56, Ph.D., 59. Res. assoc. sociol, Columbus Psychiat. Inst. & Hosp, Ohio, 58-60; from instr. to PROF. SOCIOL. & ANTHROP. BOWLING GREEN STATE, 60- U.S.A., 51-53, Res, 53-; Sgt. Sociol. Asn; Anthropol. Asn; Soc. Appl. Anthropol. Sociological theory; social psychology, stratification, and

movements; primitive religion; alienation and fertility. Publ: Interchangeability of social movements; On the multidimensionality of alienation, 2/67 & Social psychological correlates of urban fertility, 12/67, *Am. Sociol. Rev.* Address: Dept. of Sociology, Bowling Green State University, Bowling Green, Ohio 43402.

NEAL, ERNEST E (UGENE), b. Chattanooga, Tenn, June 21, 11; m. 44; c. 1. SOCIOLOGY. B.S. Knoxville Col, 35; M.A. Fisk, 38; Gen. Ed. Bd. fcls, Michigan, 42-43, 47-48; hon. LL.D. Tex. Col, 56. Chmn. dept. sociol, Tex. Col, 39-42; info. specialist, Off. Price Admin, 44-45; dir. rural life coun, Tuskegee Inst, 48-54; community develop. adv, U.S. Opers. mission, Int. Coop. Admin, India, 54-56, P.I., 56-58, dep. dir, Liberia, 58-60, dir, AGENCY INT. DEVELOP, Sierra Leone, 60-63, DEP. DIR. tech. coop. & res. D.C, 63-64, MANILA, 64- Consult, Hogg Found. Ment. Hyg, Tex, 40-54; regional studies div, Tenn. Valley Authority, 48-54; U.S. Dept. Labor, 50-54. Fel. Sociol. Asn; Rural Sociol. Soc; Acad. Polit. & Soc. Sci; Soc. Int. Develop. Rural sociology and community development. Publ: Place of the Negro farmer in the changing economy of the cotton south & Propose function for the small farm in southern agriculture, *Rural Sociol*; Men, ideas & institutions: the keys to development, *Econ. Res. J. Univ. of the East, Manila*, 6/67. Address: Agency for International Development/Philippine, APO San Francisco 96528.

NEAL, PROF. FRED WARNER, b. Northville, Mich, Aug. 5, 15; m. 52; c. 2. POLITICAL SCIENCE. Nieman fel, Harvard, 42; univ. fel, Karlova Univ, Czech, 49; Fulbright fel, Ecole des Scis. Politiques, 50; Ph.D. (polit. sci), Michigan, 56. Asst. prof, Colorado, 51-56; assoc. prof, California, Los Angeles, 56-57; PROF. INT. RELS. & GOVT, CLAREMONT GRAD. SCH, 57- Am. Philos. Soc. res. awards, 54, 62, & 66; Fulbright prof, Lyon & Strasbourg, 61-62; Rockefeller Found. res. fel, 62-63; Rockefeller vis. prof, Univ. of the West Indies, 65-66. Spec. consult, Center Study Democratic Insts, 64- U.S.N., 43-46, Lt. Polit. Sci. Asn; Int. Studies Asn; Asn. Adv. Slavic Studies. Soviet Union and Eastern Europe; comparative government; international politics; American foreign policy; comparative Communism. Publ: U.S. foreign policy and the Soviet Union, Center Study Democratic Insts, 61; War and peace and Germany, Norton, 62; co-auth, Yugoslavia and the new Communism, 20th Century, 62. Address: Dept. of International Relations, Claremont Graduate School, Claremont, Calif. 91711.

NEAL, DR. GILBERT LINCOLN, b. Gallipolis, Ohio, Jan. 5, 29; m. 51; c. 1. INDUSTRIAL PSYCHOLOGY. A.B. Ohio, 50, M.A., 52; Ph.D. (exp. psychol), Oklahoma, 66. Asst. leadership res, HumRRO, George Washington, 53-54, res. assoc, mil. training res, 58-60, res. scientist, 60-61; asst. psychol, Mich. State, 54-58; sr. res. engr, human factors, Gen. Dynamics Corp, Calif, 61-63; res. psychologist, Civil Aeromed. Inst, Fed. Aviation Agency, Oklahoma City, Okla, 63-66; RES. SCIENTIST, HUMRRO DIV. 5, FT. BLISS, 66- Psychol. tester, Lansing Bd. Ed, Mich, 55-56; asst. prof, Texas, El Paso, 66- U.S.A., 51-53, Res, 53-, Capt. Psychol. Asn; Asn. Aviation Psychol. Human performance; command and control systems; vigilance; systems analysis; perceptual processes; human motivation. Publ: Co-auth, Comparative effects of age, sex and drugs upon two tasks of auditory vigilance, *Perceptual & Motor Skills*, 66; auth, Some effects of differential pretask instructions on auditory vigilance performance, HumRRO Prnl. Paper, 67. Address: 5312 Marcellus, El Paso, Tex. 79924.

NEAL, DR. LOUISE A (DELAIDE), Biol. Sci, Sci. Ed, see 11th ed, *Phys. & Biol. Vols.*

NEAL, SISTER MARIE AUGUSTA, S.N.D., b. Brighton, Mass, June 22, 21. SOCIOLOGY. A.B. Emmanuel Col, 42; M.A. Boston Col, 53; Ph.D. (sociol), Harvard, 63. Teacher, Archdiocese of Boston, 46-53; from instr. to asst. prof. sociol, EMMANUEL COL, 53-63, from assoc. prof. to PROF. SOCIOL. & CHMN. DEPT, 63- Participant, Tufts seminar to initiate new exp. in undergrad. ed, 65-66; lectr, Cornell, summer, 66; California, Berkeley, 68-69. Consult. & res. dir, Conf. Major Relig. Superiors Women's Insts. in U.S., 66-68. Sociol. Asn. Relation between attitudes and response to social change among clergy and members of religious orders; large sample surveys examined in historical context. Publ: Values and interests in social change, Prentice-hall, 65; Religion in America. II Catholicism in America, Daedalus, Houghton-Mifflin, 68; Institutions & Community, In: *New Catholic Encyclopedia*, 67. Address: Dept. of Sociology, Emmanuel College, Boston, Mass. 02115.

NEALE, PROF. WALTER C., b. New York, N.Y., Aug. 9, 25; m. 45; c. 3; div; m. 67. ECONOMICS. A.B. Princeton, 47; M.A. Columbia, 48; Fulbright fel. & Ph.D. London, 53. Instr. ECON, Yale, 53-58; asst. prof, Texas, Austin, 58-62, assoc. prof, 62-65, PROF, 65-68; TENNESSEE, 68- Mem, Ford-Columbia Univ. Interdisciplinary Proj, 53-58; res. assoc, Mass. Inst. Tech, 55-56; Fulbright sr. lectr, Panjab, India, 60-61; Fulbright-Hays faculty res. fel, Planning, Res. & Action Inst, Lucknow, India, 64-65; dir. proj. econ. & socs. in transition, Nat. Sci. Found, 64-66. U.S.N., 43-46. Land tenure and the economic modernization of India. Publ: Economic change in rural India: land tenure and reform in Uttar Pradesh; India: the search for unity, democracy, and progress, Van Nostrand, 65; co-auth, Kurali market, *Econ. Develop. & Cultural Change*, 65. Address: Dept. of Economics, University of Tennessee, Knoxville, Tenn. 37916.

NEALEY, DR. STANLEY M., b. Pocatello, Idaho, Oct. 14, 34; m. 61; c. 1. PSYCHOLOGY. B.S. Idaho, 56; Edinburgh, 57-58; California, Berkeley, 58-62; Ph.D. California, 64. Res. asst. psychol, Gen. Elec. Co, 62; res. psychologist, inst. indust. rels, California, Berkeley, 64; ASST. PROF. PSYCHOL, ILLINOIS, 64- AAAS; Psychol. Asn. Leadership, morale and job satisfaction; hierarchical patterns of management; employee compensation preferences; management training; work motivation; determinants of job preferences; management performance criteria. Publ: Determining worker preferences among employee benefit programs, 64 & Worker preferences among time-off benefits and pay, 67, *J. Appl. Psychol*; The leadership functions of middle managers, *Psychol. Bull.* (in press). Address: Dept. of Psychology, University of Illinois, Urbana, Ill. 61801.

NEARING, DR. SCOTT, b. Morris Run, Pa, Aug. 6, 83. SOCIOLOGY. B.A., Temple, 05; B.S. Pennsylvania, 05, Ph.D., 08. Instr. econ, Pennsylvania, 06-

14, asst. prof, 15-16; prof. soc. sci. & dean col. arts & sci, Toledo, 15-17; lectr, Rand Sch. Soc. Sci, N.Y., 17-22; WRITER & LECTR, 22- Secy, State Child Labor Cmn, Pa, 05-07; instr, Swarthmore Col, 10-13. Chmn, Soc. Sci. Inst, 65- Sociol. Asn. Social engineering and history; cosmology. Publ: Freedom: promise and menace; Socialism in practise, 62; The conscience of a radical, 65. Address: Harborside, Maine 04642.

NEBERGALL, PROF. ROGER E (LLIS), b. Davenport, Iowa, July 3, 26; m. 58; c. 1. COMMUNICATIONS. A.B. Augustana Col. (Ill), 49; M.A. Bradley, 51; Ph.D. Illinois, 56. Instr. SPEECH, Bradley, 51-54, asst. prof, 54-55; OKLAHOMA, 55-60, assoc. prof, 60-65, PROF, 65-, CHMN. DEPT, 60- Consult, Int. Coop. Admin. Seminars on Communication, 59-62. U.S.A., 46-47; U.S.A.F.R., 51-55. Speech Asn; Soc. Study Communication. Communication theory; psychology of speech; attitude change and structure. Publ: Co-auth, Attitude and attitude change, Saunders, 65; auth, A critique of experimental design in communication research, *Cent. States Speech J*, 65; The social judgment—Involvement approach to attitude and attitude change, *West. Speech*, 66. Address: Dept. of Speech, University of Oklahoma, Norman, Okla. 73069.

NEE, MARY MCGREAL, Psychol, see 10th ed, *Soc. & Behav. Vols.*

NEEDHAM, DR. JOHN TERENCE, b. Finley, N.Dak, June 1, 26; m. 54; c. 4. COUNSELING, GUIDANCE. B.S. Mayville State Col, 49; Ed.D. (counseling, guid), North Dakota, 64. Teacher, high. sch, N.Dak, 54-59, guid. dir, 59-60; state supvr. counselor supv, dept. pub. instr, Bismark, 60-62; instr. counseling practicum, North Dakota, 63-64; vis. asst. prof. counselor supv, INDIANA, 64-67, coordinator, Camp Atterbury Job Corps Proj, 65-66, dir. dept. labor training prog, 66-67, ASST. PROF. COUNSELING PRACTICUM, 67- U.S.A.A.F., 44-45. Asn. Counsr. Ed. & Supv; Nat. Employ. Counsr. Asn. Evaluation of counseling effectiveness; occupational choice and aspiration; comparative achievement; counselor supervision; employment service counseling. Publ: The current testing program, *Col. Ed. Record*, Univ. North Dakota, 4/62; co-auth, Improving test interpretation through films, *Voc. Guid. Quart*, winter 63-64; N.D.E.A. Inst. participants two years later, *Personnel & Guid. J*, 6/64. Address: Dept. of Counseling & Guidance, Indiana University, Bloomington, Ind. 47401.

NEEDHAM, DR. J (JOSEPH) GARTON, b. Brandon, Vt, Nov. 22, 08; m. 33; c. 2. PSYCHOLOGY. A.B. Boston, 30; A.M. Harvard, 32, Ph.D. (psychol), 33. Nat. Res. Coun. fel, Princeton, 33-34; staff psychologist, State Colony, N.J., 34-36; instr. psychol, SIMMONS COL, 36-39, asst. prof, 39-46; prof. psychol, v-pres. & dean of instr, 46-68, DIR. INSTL. STUDIES, 68- Lectr, Boston, 39-42; vis. fel, Michigan, 61-62. U.S.A., 42-45. Psychol. Asn. Social psychology; education psychology and guidance; test construction and analysis; organization behavior; educational administration. Address: Simmons College, 300 The Fenway, Boston, Mass. 02115.

NEEDHAM, DR. WALTER EVANS, b. Salt Lake City, Utah, May 2, 36; m. 60; c. 2. PSYCHOLOGY. B.S. Utah, 59, M.S., 62, Ph.D. (psychol), 66. Asst. psychol, Utah, 59-61 & 62-63; psychol. intern, sch. med, La. State, 61-62; clin. psychologist, Wyo. State Hosp, 63-66; RES. ASSOC. PSYCHOL, VET. ADMIN. HOSP, 66- Intern, HumRRO, summer 60. Res. psychologist, col. med, Utah, 63-66, res. instr. pediat, 68-; clin. psychologist, Utah State Indust. Sch, 63-66; consult. psychologist, Utah State Dept. Adult Probntn. & Parole, 67- AAAS; Psychol. Asn. Epilepsy; cortical evoked potentials; psychological effects of brain damage; psychotherapeutic processes; pediatric and correctional psychology; psychodiagnostics; creativity. Publ: Co-auth, A factor analytic study of the father form of the parental attitude research instrument, *Psychol. Record*, 13: 65-72, Creativity and achievement in high school science, *J. Appl. Psychol*, 47: 184-189 & A patient-therapist program, *Hosp. & Community Psychiat*, 17: 84-85. Address: Veterans Administration Hospital, Salt Lake City, Utah 84113.

NEEDLER, DR. MARTIN C (YRIL), b. Manchester, Eng, Mar. 23, 33; nat; m. 55; c. 1. POLITICAL SCIENCE. A.B. Harvard, 54, Rogers fel, 56-57, Upham scholar, 57-58, univ. fel, 57-59, Ph.D., 60. Instr. govt, Dartmouth Col, 59-60; polit. sci, Michigan, 60-63, asst. prof, 63-65; res. assoc, center int. affairs, Harvard, 65-66; ASSOC. PROF. POLIT. SCI. & DIR. DIV. INTER-AM. AFFAIRS, NEW MEXICO, 66- Nat. Defense Ed. Act. lang. & area summer fel, 62; H.H. Powers travel fel, 66. U.S.A., 54-56. Polit. Sci. Asn; Latin Am. Studies Asn. Comparative government; international relations. Publ: Co-auth, Political systems of Latin America, Van Nostrand, 64; auth, Understanding foreign policy, Holt, 66; Political development in Latin America: instability, violence and evolutionary change, Random, 68. Address: Division of Inter-American Affairs, University of New Mexico, Albuquerque, N.Mex. 87106.

NEEL, DR. ANN FILINGER, b. Julesburg, Colo, June 1, 27; div; c. 2. CLINICAL PSYCHOLOGY, CHILD DEVELOPMENT. B.A. Denver, 48, M.A., 49; Ph.D. (clin. psychol), Michigan, 53. Psychologist, Vet. Admin. Hosp, Kansas City, Mo, 54; clin. psychologist, Psychiat. Receiving Center, 54-55; assoc. psychiat, sch. med, Kansas, 56-58; chief psychologist, Wyandotte County Child Guid. Clin, Kans, 58-60; coordinator res, City Hosp, Elmhurst, N.Y., 60-61; dir. psychol, N.J. State Hosp, 61-63; asst. prof. PEDIAT. PSYCHIAT, COL. MED, HOWARD, 63-65, ASSOC. PROF, 65- Lectr, Univ. Kansas City, 57; Nat. Inst. Ment. Health res. grant, 60-63; Children's Bur. res. grant, 65-68 & investr, child develop. proj, 65- Ed, psychol. reports, *Perceptual & Motor Skills*, 63- AAAS; Psychol. Asn. Learning and personality development, especially in disadvantaged children. Publ: Co-auth, Review outline of psychology, Littlefield, 62; auth, Theories of psychology, Shenkman, 68; Learning and the authoritarian personality, J. Ed. Psychol, 59. Address: Dept. of Pediatrics, Howard University College of Medicine, 520 W. St. N.W., Washington, D.C. 20001.

NEEL, DR. RICHARD E (UGENE), b. Bluefield, Va, Jan. 7, 32; m. 61; c. 1. ECONOMICS. B.S. Tennessee, 54, M.S., 55; Ph.D. (econ), Ohio State, 60. Asst. instr. econ, Ohio State, 55-58, instr, 58-60; asst. prof, Col. William & Mary, 60-61; South Florida, 61-63, assoc. prof, 63-66, chmn. econ. & finance progs, 64-66, acting chmn. col. bus. admin. grad. prog, 65-66; dir. instnl. planning, FLA. TECH, 66-68, PROF. ECON. & CHMN. DEPT, 68- Res. statistician, Dept. Taxation, Ohio, 58-60, consult. economist, Dept.

Natural Resources, summer, 61, res. staff, Tax Study Cmn, summer, 66, Econ. Asn. Public finance and taxation; price theory; transportation and public utilities economics and policy. Publ: Possible methods of financing public land acquisition for water management and recreation, Ohio Dept. Natural Resources, 9/61; When should public funds be spent on projects termed necessary for defense?, Nat. Defense Transportation J, 7-8/63; co-auth, Ohio tax study commission report, State of Ohio, 67. Address: Dept. of Economics, Florida Technological University, Box 25000, Orlando, Fla. 32816.

NEELLEY, PROF. ROBERT LLOYD, b. Olney, Tex, Mar. 11, 05; m. 28; c. 1. GOVERNMENT. B.S., W.Tex. State Col, 33; M.A., Southern Methodist, 39, M.A. 64. ASST. PROF. HIST. & GOVT, MIDWESTERN, 56- Summer, asst. prof, Southern Methodist, 61. Soc. Pub. Admin; Hist. Asn. History; state and local government; local history. Address: Dept. of History, Midwestern University, Wichita Falls, Tex. 76308.

NEELY, DR. KEITH K(ENT), Speech Path, Audiol, see 11th ed, Phys. & Biol. Vols.

NEELY, PROF. WAYNE C(ALDWELL), b. Greenfield, Iowa, Apr. '6, 04; m. 48; SOCIOLOGY. A.B., Parsons Col, 27; A.M., Iowa, 29; Ph.D., Columbia, '35. Instr, Ft. Dodge Jr. Col, 29-30; asst. prof. econ. & sociol, HOOD COL, 33-39, assoc. prof, 39-44, PROF. SOCIOLOGY, 44- Vis. prof, N.Y. Univ, 45-52, 57-59. Sociol. Asn; Soc. Study Social Probs. Family; rural life; social problems. Publ: Agricultural fair, Columbia, 35; Family attitudes of denominational college and university students; Impact of the war on a mid-west rural community. Address: Dept. of Sociology, Hood College, Frederick, Md. 21701.

NEENAN, DR. WILLIAM B(RAUNGER), b. Sioux City, Iowa, Jan. 9, 29. ECONOMICS, PUBLIC FINANCE. A.B., St. Louis, 54, Ph.D., 55, M.A., 56; Ph.D. (econ), Michigan, 66. Instr. ECON, St. Louis, 55-56; Creighton, 56-57; St. Mary's Col.(Kans), 57-66; ASST. PROF. MICHIGAN, 66- Assoc. dir, Mo. Tax Study, 67. Publ: Normative evaluation of a public health program, Inst. Pub. Admin, 67; Institutions and equity market, 1951-54, J. Finance, 57; co-auth, Awareness of marginal income tax rates among high-income taxpayers, Nat. Tax J, 65. Address: Dept. of Economics, University of Michigan, Ann Arbor, Mich. 48104.

NEET, PROF. CLAUDE C(ASELL), b. Glendora, Calif, Feb. 9, 05; m. 31; c. 3. PSYCHOLOGY. A.B., California, Los Angeles, 30; M.A., Clark, 32, Ph.D.(psychol), 35. Instr. psychol, Nevada, 34-35; ed. & psychol, MASSACHUSETTS, AMHERST, 35-36, asst. prof. PSYCHOL, 36-42, PROF, 42- head dept, 47-67. Consult, Vet. Admin. Hosp, Northampton, Mass, 58-67. Fel. Psychol. Asn; Psychonomic Soc. Problems of adjustment and abnormality; motivation; effects of drugs on learning in the rat. Publ: Co-auth, Effect of electroconvulsive shock on fixated behavior of the rat, J. Comp. & Physiol. Psychol; Comparison of verbal, manual and conditioned response methods in the determination of auditory intensity thresholds, J. Exp. Psychol. Address: Dept. of Psychology, University of Massachusetts, Amherst, Mass. 01002.

NEF, DR. JOHN U(LRIC), Mod. Hist, Hist. of Art, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

NEFF, DR. CHARLES B(ARTON), b. Guadalajara, Mex, Dec. 26, 32; U.S. citizen; m. 59; c. 4. POLITICAL SCIENCE. B.A., Pomona Col, 54; Fulbright fel, Munich, 54-55; Jr. Sterling & Danforth fells. & M.A., Yale, 59, hon. Woodrow Wilson fel. & Ph.D.(int. rels), 61. Asst. prof. POLIT. SCI, HAWAII, 61-67, ASSOC. PROF, 67-, ASSOC. DEAN COL. ARTS & SCI, 67-, asst. dean, 66-67. Dir. Ed. progs, Peace Corps, Colombia, 64-66. U.S.A., 55-57, 1st Lt. Comparative foreign policy. Publ: The study of international relations, World Polit, 1/63; A new approach to teacher training in Colombia, Exchange, summer 67; The administrative challenge of the new student activism, J. Higher Ed, 2/68. Address: Dept. of Political Science, University of Hawaii, Honolulu, Hawaii 96822.

NEFF, PROF. JUDSON, b. Brownwood, Tex, July 10, 06; m. 59; c. 2. INDUSTRIAL & BUSINESS ADMINISTRATION. S.B., Agr. & Mech. Col, Tex, 28; M.B.A., Harvard, 36. Prof. ind. eng. & head dept, Agr. & Mech. Col, Tex, 39-41; assoc. prof. ind. mgt, Harvard, 41-47; prod, Chicago, 47-53; lectr. ind. grad. sch, Pittsburgh, 53-56; PROF. MGT, TEXAS, 58- Ford Found. vis. prof, Gadjah Mada, Jogjakarta, 62-63. AAAS; Asn. Iron & Steel Eng; Inst. Mgt. Sci; Inst. Indust. Eng; Acad. Mgt. Productivity; history of management thought; practice of management; time and motion study; industrialization of Indonesia, Middle East and Latin America; enduring issues in management. Publ: Co-auth, Production, vols. I, II, III, Harvard, 47. Address: Dept. of Management, University of Texas, Austin, Tex. 78712.

NEFF, DR. PHILIP, b. Palo Alto, Calif, July 21, 17. ECONOMICS. A.B., California, 39, Ph.D., 43. Asst. prof, Tex. Col. Mines, 42-43; New Mexico, 43; economist, Haynes Found, 44-54; DIR. ECON. RES. DIV, PLANNING RES. CORP, 54- Assoc. prof, Pomona Col, 45-49; California, Los Angeles, 49-54; economist, Fed. Reserve Bank of Kansas City, 49- Econ. Asn; Nat. Asn. Bus. Econ; Soc. Econ. Develop. Business cycles and production cost trends in selected industrial areas. Address: Planning Research Corp, 1100 Glendon Ave, Los Angeles, Calif. 90024.

NEFF, PROF. WALTER S(COTT), b. Philadelphia, Pa, June 8, 10; m. 46; c. 2. PSYCHOLOGY. B.A. & M.A., Pennsylvania, 31; Ph.D., Cornell, 36. Instr. psychol, Maine, 36-37; City Col, 37-41; res. psychologist, Jewish Voc. Serv, Ill, 48-60, dir. res, 57-60; PROF. PSYCHOL, N.Y. UNIV, 60- Lectr, Ill., Inst. Tech, 53-56; Chicago, 59-60; Easter Seal Res. Found. res. grant, 60-63. Dir. res, Inst. Crippled & Disabled, 60-64; res. consult, 64- Fel. Psychol. Asn; Rehab. Asn; fel. Orthopsychiat Asn. Psychological aspects of disability; social and clinical psychology. Publ: Co-auth, Adjusting people to work; auth, Work and human behavior, Atherton, 68; Socio-economic status and intelligence, Psychol. Bull. Address: 3 Washington Square Village, New York, N.Y. 10012.

NEFF, PROF. WILLIAM D(UWAYNE), Psychol, see 11th ed, Phys. & Biol. Vols.

NEFT, DR. DAVID S(AMUEL), b. New York, N.Y., Jan. 9, 37; m. 64. STATISTICS. B.A., Columbia, 57, M.B.A., 59, Ph.D.(statist), 62. Chief statistician, Louis Harris & Assocs. Inc, 63-65; DIR. RES. & TREAS. INFO. CONCEPTS INC, 65- Consult. ops. res, Dept. Defense, 63-64; statist. & demog, center pop. res, Georgetown Univ, 65- U.S.A., 61-63. Am. Statist. Asn; Regional Sci. Asn; Am. Geog. Soc. Design and administration of computer information systems and data banks; applications of mathematical and statistical methods to geography; survey sample design. Publ: Statistical analysis for areal distributions, Regional Sci. Res. Inst, 66; Some aspects of rail commuting: New York, London, and Paris, Geog. Rev, 4/59; Macro-geography and the realms of influence in Asia, J. Conflict Resolution, 9/61. Address: Information Concepts Inc, 150 W. 31st St, New York, N.Y. 10001.

NEFZGER, DR. M(ERL) DEAN, Statist, see 11th ed, Phys. & Biol. Vols.

NEGANDHI, DR. ANANT R. b. Jamnagar, India, Dec. 24, 29; m. 66. MANAGEMENT. B.A., Bombay, 58, B.Com., 59; M.B.A., Texas Christian, 60; Ford Found. fel, Mich. State, 63-64, Ph.D.(mgt), 64. Res. asst. MGT, Mich. State, 61-64, asst. prof, California, Los Angeles, 64-67, ASSOC. PROF, KENT STATE, 67- Ford Found. res. grant, prog. int. & comp. studies, California, Los Angeles, 65-67; Coun. Econ. Coop. & Develop. res. grant, Taiwan, 67- Acad. Mgt; fel. Soc. Appl. Anthropol. Organizational theory; management in cross-cultural settings. Publ: Private foreign investment climate in India, 65 & co-auth, United States overseas executives, 67, Mich. State; co-auth, Managerialism for economic development, Martinus-Nijhoff, Netherlands, 68. Address: College of Business Administration, Kent State University, Kent, Ohio 44240.

NEHER, DR. PHILIP ALLEN, b. Pasadena, Calif. Nov. 19, 34; m. 62; c. 1. ECONOMICS. B.A., Pomona Col, 56; Ph.D.(econ), Brown, 66. ASST. PROF. ECON, BRITISH COLUMBIA, 66- U.S.N., 56-60, Lt. Econ. Asn; Economet. Soc. Economic growth and development of advanced and underdeveloped countries. Publ: An implication of the labor surplus assumption, 9/66 & co-auth, The neo-classical theorem once again: closed and open economies, 9/67, Am. Econ. Rev. Address: Dept. of Economics, University of British Columbia, Vancouver 8, B.C., Can.

NEHMER, STANLEY, b. New York, N.Y., Dec. 8, 20; m. 46; c. 2. ECONOMIC HISTORY. B.S.S., City Col. New York, 41, univ. fel, 41-42; Am. Coun. Learned Soc. fel. & M.A., Columbia, 42. Sect. chief, Far East Div, Off. Strategic Serv, 42-45; br. chief, int. resources div, U.S. Dept. State, 45-57; sr. economist, Int. Bank Reconstruct. & Develop, 57-61; dep. dir, off. int. resources, U.S. Dept. State, 61-64, dir, 64-65; DEP. ASST. SECY, COMMERCE FOR RESOURCES, U.S. DEPT. COMMERCE, 65- Adj. prof, American Univ, 48- Commendable Serv. award, U.S. Dept. State, 56, Superior Honor award, 64. U.S.A., 43-45. Econ. Asn. American business history; international commodity policy problems. Address: 9007 Kirkdale Rd, Bethesda, Md. 20034.

NEHNEVAJSA, PROF. JIRI, b. Dyjakovice, Czech, Aug. 9, 25; nat; m. 49; c. 3. SOCIOLOGY. Univ. Masaryk; Lausanne, Switz; Ph.D.(sociol), Zurich, 53. Mem. res. staff, conserv. human resources proj, Columbia, 51; instr. SOCIOLOGY, Colorado, 51-52, asst. prof, 52-56; Columbia, 56-61; PROF, PITTSBURGH, 61, ECON. & SOC. DEVELOP, GRAD. SCH. PUB. & INT. AFFAIRS, 66-, chmn. dept. sociol, 62-66. Soc. Sci. Res. Coun. fel, Washington (Seattle), 53, Harvard, 54. Consult, Syst. Develop. Corp, 56-60, chmn. prod. control cnt, 60-61, prin. res. scientist, 67-; consult, Dunlap & Assocs, Conn, 58-60; Pan-Am. Union, 61-63. Mem. exec. bd, inter-univ. prog. inst. bldg. res, Univ. Pittsburgh, 64-66, prog. res. dir, 66-67; mem, civil defense cnt, Nat. Acad. Sci, 66- Czech Army, 44; R.A.F., 45. Sociol. Asn; Inst. Aeronaut. & Astronaut; Czech. Soc. Arts & Sci. in Am. Political sociology; social stratification; methodology. Publ: Co-auth, Society and automation, Philos. Library, 59; Sociometry reader, Macmillan, 61; Handbuch der empirischen Sozialforschung, Enke, Stuttgart, 64, 2nd ed, 67. Address: Dept. of Sociology, University of Pittsburgh, Pittsburgh, Pa. 15213.

NEHRING, DR. EARL A(RTHUR), b. Gildford, Mont, May 28, 20; m. 56; c. 2. POLITICAL SCIENCE. B.A., Montana, 40; M.A., California, Los Angeles, 52, Ph.D., 58. Lectr. POLIT. SCI, Indiana, 56-58; instr, KANSAS, 58-60, asst. prof, 60-64, ASSOC. PROF, 64- Faculty fel, Citizenship Clearing House-Republican Nat. Cmt, 61. U.S.A.A.F. 42-46, Capt. Polit. Sci. Asn. American politics; legislatures and the legislative process; state and local government. Address: 810 Avalon Rd, Lawrence, Kans. 66044.

NEHRT, DR. LEE C, b. Baldwin, Ill, Sept. 12, 26; m. 52; c. 3. INTERNATIONAL BUSINESS. B.S., U.S. Coast Guard Acad, 49; cert. polit. sci, Paris, 55; M.S.B.A., Columbia, 56, Harriman fel, 60, Ford Found. fel, 60-62, Ph.D. (int. bus), 62. For. sales engr, atomics int. div, N.A.M. Aviation, 56-58, for. ops. supvr, 58-60; asst. prof. int. bus, Indiana, 62-65; Ford Found. econ. adv. Minister Planning & Econ, Tunisia, 65-67; ASSOC. PROF. INT. BUS, INDIANA, 67- Consult, World Bank, 63-64. U.S.N.R., 44-45; U.S.C.G., 45-53, Res, 53-61, Lt. Asn. Ed. Int. Bus.(v.pres, 64-66); Soc. Int. Develop. North African economic development; international financial management; international investment promotion; political climate for private investment in developing countries. Publ: International marketing of nuclear power plants, Indiana Univ, 65; Financing capital equipment exports, 66 & International finance for multinational business, 67, Int. Textbook Co. Address: Dept. of International Business, Indiana University, Bloomington, Ind. 47401.

NEIBERG, DR. ALAN DAVID, b. Pittsburgh, Pa, July 22, 42; m. 64; c. 1. PSYCHOLOGY. B.S., Pittsburgh, 62; M.A., Cincinnati, 63, Ph.D.(psychol), 67. Instr. psychol, Our Lady of Cincinnati Col, 64-66; exp. psychologist, behav. sci. lab, U.S. Air Force Sys. Command, 66-68; ASST. PROF. PSYCHOL, MICHIGAN, FLINT, 68- AAAS; Psychol. Asn. Human learning and transfer; animal exploration; induced mental retardation. Publ: Effect of rearing condition on exploratory behavior, Psychol. Reports, 63; Preliminary learning as a factor in transfer and retention, Psychonomic Sci, 67. Address: Dept. of Psychology, University of Michigan, Flint, Mich. 48503.

NEIDITCH, DR. SAMUEL J. b. Chicago, Ill., Aug. 27, 24; m. 53. PSYCHOLOGY. B.A. Southern California, 52; M.S. Miami (Fla.), 53; Ph.D. Fla. State, 59. Intern clin. psychol. Cent. State Hosp., Indianapolis, Ind., 58-57, STAFF PSYCHOLOGIST, 57-58; PATTON STATE HOSP., 58- Private clin. psychologist, 62- U.S.A.F., 42-45, Sgt. Psychol. Asn. Psychotherapy and projective diagnostic instruments; reactions of individuals to success and failure experiences. Address: 407 E. Gilbert St., San Bernardino, Calif. 92404.

NEIDT, DR. CHARLES O(WEN), b. Truro, Iowa, Oct. 13, 22; m. 45; c. 3. PSYCHOLOGY. B.S. Iowa State Col., 46, M.S., 47, Ph.D., 49. Instr. psychol., Iowa State Col., 48, asst. prof., 48-50; assoc. prof. ed. psychol. & measurements, Nebraska, 50-52, prof., 52-62, chmn., 56-62; PROF. PSYCHOL., COLORADO STATE, 62-, HEAD DEPT., 64- Dir. personnel develop., Mead Johnson Co., 61. U.S.A.F., 42-46. Psychol. Asn. Tests and measurements; attitudes and public opinion; technique for testing homogeneity of separately evaluated behavior characteristics. Address: Dept. of Psychology, Colorado State University, Fort Collins, Colo. 80521.

NEIFELD, DR. M(ORRIS) R., Econ., see 10th ed, Soc. & Behav. Vols., deceased.

NEIGHBOR, DR. HOWARD D., b. Iola, Kans., Sept. 18, 26; m. 48; c. 2. POLITICAL SCIENCE. B.A., Kansas State, 48, M.S., 54; Community Studies Inc. fel., Kansas, 61, Ph.D.(polit. sci.), 62. Newscaster, KCMO Broadcasting Co., Kansas City, Mo., 54-62; asst. prof. POLIT. SCI. Park Col., 62-65, assoc. prof., 65-68, ASSOC. PROF. & ASSOC. DIR. BUR. PUB. AFFAIRS, TEXAS, EL PASO, 68- Community Studies Inc. fel., 62-63; Nat. Center Ed. Polit. & Eagleton Found. nat. convention fel., 64. Consult., William Hanley & Assocs., 67-68. U.S.N.R., 44-46, 52-53, Lt. Polit. Sci. Asn.; Soc. Pub. Admin. Metropolitan and nonpartisan politics; electoral process; political behavior and attitudes of the mobil middle class; modern political pragmatism. Publ.: Metamorphosis of nonpartisan politics in Kansas City, Missouri, Community Studies Inc., 62; Problems of bi-state metropolitan organization—Kansas City Area, Midwest Rev. Pub. Admin., 2/67. Address: Bureau of Public Affairs, University of Texas, El Paso, Tex. 79999.

NEIL, DR. HERBERT EDWARD JR., b. Bridgeport, Conn., June 14, 31; m. 53; c. 2. ECONOMICS. A.B. Michigan, 52, M.B.A., 53, Ford Found. fel., 59-60, Ph.D.(econ.), 61. Acct. Gen. Elec. Co., 53; lectr. psychol., Hardin-Baylor Col., 54-55; statist. analyst, Eastman Kodak Co., 55-57; asst., Michigan, 57-59, surv. res. center, 58-59; assoc. economist, HARRIS TRUST & SAVINGS BANK, 60-66, ECONOMIST, 66- Lectr., Roosevelt, 61-62, 67- U.S.A., 53-55. Econ. Asn.; Statist. Asn.; Finance Asn.; Asn. Bus. Econ. Consumer economics; housing; business cycle analysis; analysis of corporate profits; monetary theory and practice; balance of payments research. Publ.: Analysis of non-business rail travel, Land Econ.; Comments on the federal excise tax for common carrier non-business travel, Nat. Tax J.; Incidence of inflation upon consumer spending units, 1949-58, J. Finance, 9/62. Address: 1495 Northwoods Circle, Deerfield, Ill. 60015.

NEILL, DR. ROBERT F(OLIE), b. Port Arthur, Ont., Aug. 9, 31. ECONOMICS. B.A. Toronto, 53, S.T.B., 59, M.A., 60; Center Commonwealth studies fel., Duke, 63-65, Ph.D.(econ.), 67; Queen's (Ont.), 66. ASST. PROF. ECON., ST. THOMAS MORE COL., SASKATCHEWAN, 60- Can. Econ. Asn.; Am. Econ. Asn. History of economic thought in Canada. Publ.: Technical change and the artist, Structurist, 66; Adam Smith: bibliographical comment, 2/67 & Social credit and national policy, 2/68, J. Can. Studies. Address: Dept. of Economics & Political Science, St. Thomas More College, University of Saskatchewan, Saskatoon, Sask., Can.

NELL, PROF. THOMAS P(ATRICK), Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

NEIMARK, PROF. E(DITH) D(EBORAH), b. Long Branch, N.J., May 24, 28. PSYCHOLOGY. A.B. Skidmore Col., 49; M.A., Indiana, 52, Ph.D.(exp. psychol.), 53. Instr. PSYCHOL., Tulane, 53-55; asst. prof., Goucher Col., 55-56; res. psychologist, U.S. Air Force, 56-57; assoc. prof., N.Y. Univ., 58-64; PROF., DOUGLASS COL., RUTGERS, 64-, CHMN. DEPT., 66- Nat. Inst. Ment. Health res. grants, 63-65; Dept. Health, Ed. & Welfare res. grant, 65-68. AAAS; Psychol. Asn.; Psychonomic Soc.; Psychomet. Soc.; Soc. Res. Child Develop. Thinking and problem solving; cognitive development. Publ.: Co-auth, Stimulus sampling theory, Holden-Day, 67; Development of logical problem-solving strategies, Child Develop., 67; auth, Effect of differential reinforcement upon information-gathering strategies, J. Exp. Psychol., 67. Address: Douglass College of Rutgers, The State University, New Brunswick, N.J. 08901.

NEISSER, PROF. HANS P(HILIPP), b. Breslau, Germany, Sept. 3, 95. ECONOMICS. Dr. jur., Breslau, 19, Dr. rer. pol., 21. Economist, govt. cmns. Germany, 22-24, 26-27; instr. & asst. prof., Kiel, 27-33; dep. chief res. dept., Inst. Int. Econ., 27-33; prof. monetary theory, Wharton Sch. Finance & Commerce, Pennsylvania, 33-43; prof. ECON., GRAD. FACULTY, NEW SCH. SOC. RES., 43-65, EMER. PROF., 65- Prin. economist, Off. Price Admin., D.C., 41-43. Econ. Asn.; fel. Economet. Soc. Economic theory. Publ.: International aspects of the business cycle; National incomes and international trade; Value of money. Address: 3135 Johnson Ave., Bronx, N.Y. 10463.

NEISSER, PROF. ULRIC, b. Kiel, Germany, Dec. 8, 28; nat. PSYCHOLOGY. A.B., Harvard, 50, Ph.D.(psychol.), 56; M.A., Swarthmore Col., 52; Mass. Inst. Tech., 52-53. Instr. psychol., Swarthmore Col., 53-54; Nat. Sci. Found. fel., 55-57; asst. prof., Brandeis, 57-61, assoc. prof., 61-66; res. psychologist, Inst. Pa. Hosp., 66-67; PROF. PSYCHOL., CORNELL, 67- Lectr., Harvard, 56-57; vis. assoc. prof., Pennsylvania, 65-67; Nat. Inst. Ment. Health career res. award, 66-67. Mem. summer staff, Lincoln Lab, Mass. Inst. Tech., 58-63 & proj. MAC, 64. Consult., Lincoln Lab, Mass. Inst. Tech., 58-64; Mass. Ment. Health Center, 61-63. Psychol. Asn.; Psychonomic Soc. Cognitive processes; conscious and unconscious thinking; memory; artificial intelligence; applications of cognitive theory. Publ.: Cognitive psychology, Appleton, 67. Address: Dept. of Psychology, Cornell University, Ithaca, N.Y. 14850.

NEISWANGER, PROF. WILLIAM A(DISON), b. Topeka, Kans., Aug. 30, 00; m. 23. ECONOMICS. A.B., Washburn Col., 22; A.M., Columbia, 23; Ph.D., Wisconsin, 31; LL.D., Washburn, 51. Asst. prof. econ., DePauw, 29-31, as-soc. prof., 31-35, prof., 35-36; sr. indust. economist & assoc. dir. studies, Nat. Bur. Econ. Res. in coop. with Nat. Res. Proj., 36-37; asst. prof. ECON., ILLINOIS, URBANA, 37-39, assoc. prof., 39-45, PROF., 45- Financial adv. Bolivian Govt., 43-44. Price exec. mach. br. Off. Price Admin., D.C., 42-43. Consult., For. Econ. Admin., 44-45. Econ. Asn.; Statist. Asn. Technological unemployment and productivity; quantitative economics. Publ.: Elementary statistical methods as applied to economics and business data. Address: Dept. of Economics, University of Illinois, Urbana, Ill. 61801.

NEITZEL, ROBERT S(TUART), b. Falls City, Nebr., May 8, 11; m. 41; c. 2. ANTHROPOLOGY. A.B., Nebraska, 33; Chicago, 33-35. Field archaeologist & phys. anthropologist, Univ. Tennessee-Tenn. Valley Authority, 36-38; field chief archaeol., statewide surv., La. State, 38-41; self employed, 43-54; curator archaeol. & hist. Natural Hist. Mus., State Parks & Recreation Cmn., La. 54-57; field archaeologist, Am. Mus. Natural Hist., 58; Nat. Parks Serv. Reservoir Salvage, Univ. Georgia, 58; Supt. Etowah Indian Mounds Archaeol. Area, Ga. Hist. Cmn., 59-60; chief curator, dept. arch. & hist. State Hist. Mus., Miss., 60-67; surv. archaeologist, Nat. Park Serv., 67-68; RETIRED. Summer field archaeologist, Harvard Lower Miss. Valley Surv., 58. Anthropol. Asn.; Soc. Archaeol.; Asn. Mus. Southeastern United States archaeology, contact period, museum interpretation of archaeology and civil war campaigns in Louisiana. Publ.: Co-auth, Chauga site in Oconee County, South Carolina; auth, Natchez grand village, Fla. Anthropologist, 62; Fatherland site: the grand village of the Natchez, Anthropol. Papers, Am. Mus. Nat. Hist., 65. Address: 110 Joffrion St., Marksville, La. 71351.

NELL, PROF. EDWARD JOHN, b. Chicago, Ill., July 16, 35; m. 63; c. 1. ECONOMICS. A.B., Princeton, 57; B.A. & M.A., Oxford, 59, B.Litt., 65; Wesleyan Faculty grant, 66. Asst. PROF. ECON., WESLEYAN, 62- Lectr., East Anglia, 67- Economet. Soc.; Econ. Soc. Mathematical economic theory; philosophy of social science; role of economic power in determining relative shares during a process of economic growth; differences between natural and social sciences. Publ.: Wicksell's theory of circulation, J. Polit. Econ., 8/67; Economic relationships in the decline of feudalism, Hist. & Theory, 11/67; Theories of growth and theories of value, Econ. Develop. & Cultural Change, winter 68. Address: Dept. of Economics, Wesleyan University, Middletown, Conn. 06457.

NELLIGAN, DR. MAURICE JOHN, b. Philadelphia, Pa., Dec. 11, 26. PSYCHOLOGY. A.B., Boston Col., 50; M.A., Boston, 56; Dr. (psychol.), Nat. Univ. Mexico, 65. Prof. psychol., Inst. la Patria, 62; Nat. Univ. Mexico, 63; Latin Am. Inst., 63-64; PROF. INDUST. PSYCHOL., SCH. BUS. ADMIN., MONTERREY INST. TECH., MEX., 65-, MOTIVATION RES., GRAD. SCH. BUS., 67- Private practice, 62-64. Consult. indust. psychol., Inst. Supv., 63-64; prod. center, Monterrey Inst. Tech., 65-68; motivation res., Puas Advert. Agency, 67-68. U.S.A., 51-52; U.S.C.G., 52-54, Ens. Psychol. Asn. Teaching; testing and test development; industrial consulting, applied psychology; motivation research; writing; seminars for business men. Publ.: The psychology of inhibition, Herrero Bros, Mexico City, 68; Motivation in advertising, J. Admin. Inst. Tech., 12/65; Psychological testing in industry, Prod. Bull., 68. Address: Gmo. Prieto, 835, Monterrey, N.L. Mexico.

NELSEN, DR. EDWARD A., b. Milwaukee, Wis., Feb. 7, 37; m. 59; c. 3. DEVELOPMENTAL PSYCHOLOGY. B.S., Wisconsin, 59; Ph.D.(psychol.), Stanford, 65. Intern clin. psychol., Alameda County Probnt. Dept., Calif., 62-63; ASST. PROF. ED. PSYCHOL., WISCONSIN, 63- Univ. Wisconsin Alumni Res. Found. grant, 67-68. U.S.A.R., 56-63. Psychol. Asn.; Ed. Res. Asn.; Soc. Res. Child Develop. Socialization and cognitive development; cognitive and behavioral dimensions of morality; argot patterns of Negro, rural, and Urban adolescents; determinants of interests. Publ.: Co-auth, Relationship between social development and differential abilities on the SAT, Merrill-Palmer Quart., 10/66 & Personal and social perceptions of teachers' motives for career choice, J. Exp. Ed., 68. Address: Dept. of Educational Psychology, University of Wisconsin, Madison, Wis. 53706.

NELSON, DR. AARON G(USTAVE), b. Idaho, Jan. 30, 11; m. 41; c. 1. AGRICULTURAL ECONOMICS. B.S., Utah State Agr. Col., 37; scholar, Iowa State, 37-38, M.S., 39, Ph.D.(agr. econ.), 49. Asst. agr. econ., Iowa State, 38-39; asst. prof., S.Dak. State Col., 39-42; agr. economist, U.S. Dept. Agr., 43-45; dir. res. & ed., Farm Credit Banks of Omaha, 45-57; PROF. AGR. ECON. & ECONOMIST, ARIZONA, 58-, AGR. ECONOMIST, ECON. RES. SERV., U.S. DEPT. AGR., 67- Consult., Wellton-Mohawk Irrig. & Drainage Dist., 65- Dir., Inter-Am. Life Ins. Co., 64- Agr. Econ. Asn. Agricultural finance and credit; agricultural production economics. Publ.: Co-auth, Agricultural finance; auth, Credit as a tool for the agricultural producer, Great Plains Agr. Coun.; Costs and returns for major field crops in Central Arizona, Ariz. Agr. Exp. Sta., 8/65. Address: Dept. of Agricultural Economics, University of Arizona, Tucson, Ariz. 85721.

NELSON, PROF. A(BRAM) GORDON, b. New Market, N.J., May 25, 10; m. 36. PSYCHOLOGY. B.S., Pennsylvania, 31, M.A., 33; Ph.D.(guid. & personnel psychol.), N.Y. Univ., 43. Sch. psychologist, pub. schs., N.J., 34-37; dir. guid., Connecticut, 37-44; voc. counsr., CORNELL, 44-45, asst. prof. ED. & VOC. GUID., 45-47, assoc. prof., 48-55, PROF., 55- Fulbright lectr., American Univ. Cairo. Fulbright consult., U.S. Ed. Found., India, 65-66. Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn.; Personnel & Guid. Asn. Vocational counseling; psychological testing; value of certain tests of differentiated abilities for the diagnosis and prognosis of achievement. Publ.: Colleges classified, Chronicle Guid., 65; Vocational guidance, In: Areas of psychology. Address: 215 Stone Hall, Cornell University, Ithaca, N.Y. 14850.

NELSON, DR. ALLAN DWIGHT, b. Chicago, Ill., June 20, 27; m. 51; c. 4. POLITICAL SCIENCE. A.B., Chicago, 52, A.M., 55, Ph.D.(polit. sci.), 62. Instr. POLIT. SCI., Connecticut, 58-63; asst. prof., WATERLOO, 63-66, ASSOC. PROF., 66-, CHMN. DEPT., 67- U.S.N., 44-46. Am. Polit. Sci. Asn.; Can. Polit. Sci. Asn.; Polit. Studies Asn. U.K. Normative political theory, traditional and modern; theories of democracy; problems of behavioral methodology. Address: Dept. of Political Science, University of Waterloo, Waterloo, Ont., Can.

- NELSON, PROF. BARDIN H(UBERT), b. Oakland, La, Aug. 25, 21; m. 40; c. 2. SOCIOLOGY. B.S. La. State, 42, Rosenwald fel. & M.A. 43, Ph.D. 50; Temple, 46. Asst. prof. SOCIOL, TEXAS A&M, 50-52, assoc. prof, 52-56, PROF, 56- Vis. prof, Emory, 53, Colorado State, 61; spec. lectr. Arkansas, 55. Consult, Ford Found, 63-64; Agency Int. Develop, Dominican Repub, 65-66. U.S.N, 44-46, Ens. Sociol. Asn; Rural Sociol. Soc. Social psychology; family; rural sociology. Publ: Analysis of 4-H club training, Attitudes of youth & Role of money in rural family living, Bulls. Tex. Agr. Exp. Sta. Address: 705 S. Dexter St, College Station, Tex. 77840.
- NELSON, PROF. BENJAMIN, b. New York, N.Y., Feb. 11, 11. SOCIOLOGY, SOCIAL SCIENCE. A.B. City Col. New York, 31; A.M. Columbia, 33, univ. fel, 34-35, Ph.D. 44. Guggenheim fel, Columbia, 44-45; asst. prof. soc. sci, Chicago, 45-48; Minnesota, 48-51, assoc. prof. gen. studies, 51-56, co-chmn, soc. sci. prog, 53-56, chmn, European heritage sequence, humanities prog, 53-56; prof. hist. & soc. sci. & chmn. dept. sociol, Hofstra Col, 56-59; prof. sociol. & hist. State Univ. N.Y. Stony Brook, 59-66, chmn. dept. sociol. & anthrop, 61-65; MEM. GRAD. FACULTY SOCIOL, NEW SCH. SOC. RES, 66- Vis. assoc. prof, Columbia, 52-53; Carnegie intern, 52-53. AAAS; fel. Sociol. Asn; Hist. Asn; Anthropol. Asn; Econ. Asn; Mediaeval Acad; Econ. Hist. Soc. Brit. Cultural and intellectual history, mediaeval and modern; law, economy, religion and character formation since 1000 A.D.; social sciences in psychoanalytical theories; sociology and psychology of culture. Publ: The idea of usury: from tribal brotherhood to universal otherhood; collab. An introduction to social science: personality, work, community; auth. The early modern revolution in science and philosophy: fictionalism, probabilism, fideism, and Catholic propheticism, In: Vol. 3, Boston studies in the philosophy of science, Dordrecht, Holland. Address: Graduate Faculty, New School for Social Research, 66 W. 12th St, New York, N.Y. 10011.
- NELSON, DR. BOYD L(OCKE), b. Logan, Utah, June 27, 22; m. 48; c. 4. ECONOMICS. B.A. Wisconsin, 47, M.A. 48, Ph.D.(econ), 52. Asst. econ, Wisconsin, 48-51; asst. prof. bus. admin, Maryland, 51-58, assoc. prof. bus. statist, 58-63, prof, 63-66; CHIEF ECON. STUDIES DIV, COMMON CARRIER BUR, FED. COMMUN. CMN, 66-, econ. expert, cmn, 65-66. Consult, State Legis. Cmt. Fiscal Affairs & Taxation, 60. C.Eng, U.S.A, 43-46. Econ. Asn; Statist. Asn. Social control of business; statistics. Address: 9826 Hedin Dr, Silver Spring, Md. 20903.
- NELSON, PROF. CALVIN C(LAYTON), b. Montebello, Calif, Mar. 13, 24; m. 46; c. 2. EDUCATIONAL PSYCHOLOGY. A.B. California, 48; M.S. Miami (Fla), 49; M.A. Oregon, 55, Ph.D. 58. Teacher & dir. spec. ed, Sandy pub. sch, Ore, 55-57; psychologist, Yakima pub. schs, Wash, 57-61, dir. res. gifted child study, 60-61; ASST. PROF. ED, West. State Col, Colo, 61-65; SCH. ED, SOUTHERN CALIFORNIA, 65- Summers, vis. lectr. Cent. Wash. State Col, 60; West. Wash. State Col, 61. U.S.N, 42-46, 51-52, Ens. Psychol. Asn. Education of exceptional children; problems in diagnosing brain damage; teacher-pupil attitudes and classroom interaction. Publ: Off to school: at what age, Elem. Sch. J; Answering the critics of public education, Clearing House. Address: Dept. of Exceptional Children, School of Education, University of Southern California, 954 37th St, Los Angeles, Calif. 90007.
- NELSON, PROF. CARL L(EROY), b. Minneapolis, Minn, June 25, 10. ECONOMICS. B.B.A. Minnesota, 31, Ph.D. 44. Asst. prof, Kans. State Col, 35-40; from asst. prof. to assoc. prof, Nebraska, 40-47; from assoc. prof. to prof. acct, Minnesota, Minneapolis, 47-63; GEORGE O. MAY PROF. FINANCIAL ACCT, GRAD. SCH. BUS. COLUMBIA, 63- Spec. asst. to auditor pub. acct, Nebr, 41-42; resident partner, Congdon, O'Hara & Butler, 42-47. Econ. Asn; Am. Acct. Asn. Business income; financing of business expansion; social accounting. Publ: Sales taxes; Capital formation; Savings in the modern economy. Address: Dept. of Accounting, 105 Uris Hall, Columbia University Graduate School of Business, New York, N.Y. 10027.
- NELSON, DR. CARNOT E(WARD), b. Milwaukee, Wis, Feb. 20, 41; m. 63; c. 1. SOCIAL PSYCHOLOGY. B.S. Wisconsin, 63; U.S. Pub. Health Serv. fel, Columbia, 65, Ph.D.(soc. psychol), 66. Asst. prof. sociol, Emory, 66-67; ASST. PROF. PSYCHOL. & RES. ASSOC, CENTER RES. IN SCI. COMMUN, HOPKINS, 67- U.S.N, 59-60. Psychol. Asn; Sociol. Asn. Attitude change; scientific communication; psycholinguistics. Publ: Co-auth, Some Machiavellian manipulations, Academic, 68 & Resource location in problem solving groups, Sociometry, 64. Address: Dept. of Psychology, Johns Hopkins University, Baltimore, Md. 21218.
- NELSON, DR. CHARLES W, b. Mohall, N.Dak, Aug. 12, 15; m. c. 2. SOCIOLOGY. B.S. Oregon, 40; M.A. State Col. Wash, 42; Ph.D.(indust. sociol, clin. psychol), Chicago, 49. Chief res. engr, time study dept, Kaiser Shipyards, Ore, 42-43; test construct. specialist & psychiatrist, interviewer, air corps, U.S. Dept. Army, Calif, 43-45; voc. adv. Vet. Admin, Ill, 45-46; ed. consult, Int. Harvester res. proj, Chicago, 47-49, dir. leadership res, indust. rels. center, 49-53, prog. develop. & eval, 53-55, eval. for adult ed. progs & assoc. prof. sociol, univ, 55-58; EXEC. DIR. MGT. RES. ASSOCS, CHICAGO, ILL, 58- Consult, Mid-Continent Regional Ed. Lab, 68- Psychol. Asn; Sociol. Asn; Soc. Appl. Anthropol; Indust. Rel. Res. Asn. Self-trainer study guide method, a 16 millimeter color-sound film report on new group study method to promote self-directed learning. Publ: Contribution of some group procedures to organizational development in industry, In: Personnel & guidance yearbook; Why training programs fail; Effects of different patterns of supervision on the production of serious lost-time accidents. Address: 14 Hill Dr, Dunes Acres, Chesterton, Ind. 46304.
- NELSON, DR. CONSTANCE B(URKHARDT), b. Franklin, Ind, Oct. 13, 17; div; c. 2. PSYCHOLOGY. B.A., William Jewell Col, 38; M.A. Minnesota, 52; Danforth fel, Columbia, 53; fel, Missouri, Kansas City, 55-57, Ph.D. 58; summer fells, Boston, 55-57. Asst, William Jewell Col, 35-38, instr. psychol, 46-49, assoc. prof, 52-55; asst. child welfare, Minnesota, 50-54; lectr, psychol, Missouri, Kansas City, 55-57; trainee clin. psychol, Vet. Admin, 57-58, clin. psychologist, hosp, 58-59, Regional Off. Ment. Hyg. Clin, 59-61, hosp, Kansas City, Mo, 61; chief psychologist, childrens div, Colo. State Hosp, 62-63; asst. to dir. psychol, N.Dak. State Hosp, 63-66; coordinator clin. training psychol, VET. ADMIN. HOSP, St. Cloud, Minn, 66-67, CLIN. PSYCHOLOGIST, DENVER, COLO, 67- Asst. clin. prof, Minnesota, 66-67; from asst. to assoc. prof, St. John's Univ, 66-67; assoc. prof, Loretta Heights Col, 68- Citation for achievement, William Jewell Col, 61. Dipl. clin. psychol, Am. Bd. Exam. Prfnl. Psychol, 64. AAAS; Psychol. Asn. Social roles of Negroes and whites in a segregated community; change in teacher attitudes toward intergroup relations in their classrooms during first year of desegregation; schizophrenia; projective techniques; women psychologists; A-V group therapy with chronic schizophrenia. Publ: Change in teachers attitudes during desegregation, Univ. Michigan, 67. Address: 1663 Colorado Blvd, Denver, Colo. 80220.
- NELSON, DR. CORA LOUISE, b. Henderson, N.C. ECONOMICS. B.S. North Carolina, Chapel Hill, 58, Ford Behav. Sci. fel. & Bus. Found. fel, 58-59, Harold Stonier fel, 61-62, Am. Asn. Univ. Women fel, 63-64, Ph.D.(econ), 64. Instr. ECON, North Carolina, 62-64; asst. prof, DAVIDSON COL, 64-67, ASSOC. PROF, 67- Econ. Asn. Monetary theory. Address: Dept. of Economics, Davidson College, Davidson, N.C. 28036.
- NELSON, PROF. DALMAS HILDOR, b. Idaho Falls, Idaho, Sept. 5, 25; m. 49; c. 3. POLITICAL SCIENCE. B.A. Utah, 50, fel, 51-52, M.A. 52; fells, Harvard, 52-55, Ph.D.(polit. sci), 57. Instr. POLIT. SCI, Nebraska, 55-57, asst. prof, 57-58; res. fel, Brookings Inst, 58-59; vis. asst. prof, Duke, 59-60; asst. prof, SAN FERNANDO VALLEY STATE COL, 60-63, assoc. prof, 63-66, PROF, 66- Toppan prize, Harvard, 57. Consult, res. proj. exec. prom, California, Los Angeles, 63-64. Soc. Pub. Admin; Polit. Sci. Asn. Administrative law; bureaucracy and its characteristics; public personnel management; civil liberties issues concerning government employees; political campaigning and party finance; political activity of big business executives; ombudsman. Publ: Administrative agencies of the U.S.A: their decisions and authority, Wayne State, 64; Omnibus Appropriations Act of 1950, J. Polit; Political expression under the Hatch Act, Midwest J. Polit. Sci. Address: Dept. of Political Science, San Fernando Valley State College, Northridge, Calif. 91324.
- NELSON, DR. DANIEL M(ELVIN), U.S. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- NELSON, DR. DAVID CLYDE, b. Duluth, Minn, May 27, 37; m. 60; c. 2. ECONOMICS, TRANSPORTATION. B.B.A. Minnesota, 58; M.S. N.Dak. State, 60; Ph.D.(agr. econ), Nebraska, 64. Proj. asst. AGR. ECON, N.Dak. State, 58-60; res. asst, Nebraska, 60-63, instr, 63-64; asst. prof, N.DAK. STATE, 64-67, ASSOC. PROF, 67-, DIR. UPPER GREAT PLAINS TRANSPORTATION INST, 67-, acting dir, 67. Consult, Mon-Dak Transportation Cmt, 66-; Mid-Am. Gov. Transportation Cmt, 67- U.S.M.C, 52-54, Res, 54-60. Econ. Asn; Agr. Econ. Asn. Administration and supervision of research in transportation economics. Publ: A study of the elasticity of demand for electricity by residential consumers: sample markets in Nebraska, J. Land Econ, 2/65; The development of economic regulation: historical roots and economic bases, N.Dak. Law Rev, 3/66; Historical background of transportation in the trans-Missouri West, Chap. 1, In: Transportation in the trans-Missouri West, Univ. Nebraska, 67. Address: Upper Great Plains Transportation Institute, North Dakota State University, Fargo, N.Dak. 58102.
- NELSON, DR. DON A(RTHUR), b. Denver, Colo, Aug. 19, 39; m. 65; c. 1. PSYCHOLOGY. B.A. Grinnell Col, 61; Ph.D.(psychol), Texas, 65. ASST. PROF. PSYCHOL, PURDUE, 65- Consult, Vet. Admin, 67- AAAS; Psychol. Asn. Interpersonal attraction; personality change, development and measurement; personality as a variable in experimental behavior manipulation. Publ: Co-auth, Attraction as a linear function of proportion of positive reinforcement, J. Personality & Soc. Psychol, 65, Attraction as a function of attitude similarity-dissimilarity: the effect of topic importance, Psychonomic Sci, 65 & Effect of consensual validation and invalidation on attraction as a function of variability, J. Exp. & Soc. Psychol, 66. Address: Dept. of Psychology, Purdue University, West Lafayette, Ind. 47907.
- NELSON, DR. DOROTHY, b. Glenview, Ill, Sept. 3, 03. PSYCHOLOGY. B.S. Northwestern, 30, M.A. 36, Ph.D.(physiol), 42. Instr. physiol, Northwestern, 42-49; RES. ASSOC, col. med, Illinois, 49-61; EXP. PSYCHOL, INST. JUVENILE RES, 62- Physiol. Soc. Concept formation; perception; social attitudes; learning. Address: 87 Park Dr, Glenview, Ill. 60025.
- NELSON, DR. EASTIN, b. Aspermont, Tex, Sept. 20, 02. ECONOMICS. A.B. Stephen F. Austin State Col, 28; A.M. Texas, 29, Ph.D. 45. Prof. econ, Nat. Univ. Panama, 40-43; asst. prof, Wayne State, 46-47; assoc. prof, Texas, Austin, 47-51, prof, 51-66; RETIRED. Vis. prof, Santo Domingo, 46; San Carlos, 54; Guatemala, 55; acting dir, Inst. Latin Am. Studies, 58-62; summer, Point VI prof, Mexico, 62. Consult, nat. econ. statist. Brazil, U.S. Agency Int. Develop, 64-65. Econ. Asn; Econ. Hist. Asn. Southwestern cities against the national backdrop; economic development and national banking in Latin America; labor requirements and resources in the lower Rio Grande Valley of Texas. Publ: A lecture outline and notebook for principles of economics; ed, Economic growth; rationale, problems, cases; Growth patterns in American city development, 1950-1954, Proc. Conf. Area Develop, Univ. Georgia, 1/62. Address: 802 E. 47th St, Austin, Tex. 78751.
- NELSON, PROF. EDWARD A(XEL), b. Painesville, Ohio, Dec. 29, 18; m. c. 4. FINANCE. B.S. DePaul, 48; M.B.A. Chicago, 49; Ph.D.(econ), Missouri, 56. Instr. bus. finance, Missouri, 49-56; asst. prof. econ. & finance, Baylor, 56-59; assoc. prof. FINANCE, CALIF. STATE COL. LOS ANGELES, 59-64, PROF, 64- Campus coordinator, Agency Int. Develop, regional indust. tech. assistance prog, Northeast Brazil, 64-67. U.S.A, 40-46. Finance Asn. Investments; corporation finance; financial institutions; monetary and fiscal policy. Publ: Co-auth, Managing personal finances, Prentice-Hall, 65; auth, Investment analysis approach to stock life insurance companies. Address: School of Business, California State College at Los Angeles, Los Angeles, Calif. 90032.
- NELSON, PROF. EDWARD G(ENE), b. Spokane, Wash, Feb. 28, 04; m. 31; c. 2. ECONOMICS. B.S. Southern California, 28, M.A. 28; Ph.D. Stanford, 31. From instr. to asst. prof. econ, Stanford, 31-41; regional economist, Off. Price Admin, N.Y., 41-44; consult. economist, 44-45; assoc. prof. ECON,

KANSAS, 45-48; PROF, 48-, dir, center res. in bus, 58-63. Fel, Harvard, 48; dir. res, Governor's Econ. Develop. Cmt, Kansas, 61- Econ. Assn. Eco-nomic history; natural resources. Publ: The company and the community; KPL in Kansas. Address: 833 Tennessee St, Lawrence, Kans. 66044.

NELSON, PROF. E(DWARD) H(OSTON), Psychol, see 10th ed, Soc. & Behav. Vols.

NELSON, DR. ELROY, b. Pleasant Grove, Utah, June 20, 05. ECONOMICS. A.B. Brigham Young, 29, M.B.A. N.Y. Univ, 31, Ph.D. 35. Mem. staff, Moody's Investors Serv, 29-30; asst. secy, Security Distributors Corp, N.Y. 30-31; teacher econ, Rider Col, 31-34; econ. & bus. orgn, N.J. State Teachers Col.(Montclair), 34-35; teacher econ, money, banking & econ. resources & dir. sch. bus, Russell Sage Col, 35-38; assoc. prof. econ. & dir. grad. studies, sch. commerce, Denver, 38-47; prof. econ. & dir. bur. econ. & bus. res, Utah, 47-53; ECONOMIST, FIRST SECURITY CORP, 53- Mem. staff, Denver Off, Nat. Resources Planning Bd, 40-41. Assn. Bus. Econ. Fixed trust; commercial banking under the Federal Reserve System; history of manufacturing in Colorado. Publ: Utah economic patterns; co-auth, Utah's changing economic patterns, Univ. Utah, 66. Address: First Security Corp, P.O. Box 390, 79 S. Main, Salt Lake City, Utah 84110.

NELSON, PROF. ERLAND, b. Ruskin, Nebr, July 28, 97; m. 24; c. 2. PSY-CHOLOGY. B.A. Nebr. State Teachers Col, 27; M.A. Nebraska, 31, Ph.D. (psychol), 37; summers, Chicago, 32-34; Minnesota, 35. Head dept. com-merce, Dana Col, 27-29, pres, col, 29-36; prof. psychol, head dept. & per-sonnel dir, Newberry Col, 36-43; pres, Carthage Col, 43-49; prof. PSY-CHOL, SOUTH CAROLINA, 49-66, EMER. PROF, 66- Fel. Psychol. Assn. Attitude testing; religious and social issues; measurement of orientation work in college. Publ: Student attitudes toward religion, Genetic Psychol. Monogr; Patterns of religious attitude shifts from college to fourteen years later & Persistence of attitudes of college students fourteen years later, Psychol. Monogr. Address: 1921 York Dr, Columbia, S.C. 29204.

NELSON, PROF. GLEN THURSTON, b. Smithfield, Utah, June 20, 17; m. 47; c. 4. ECONOMICS. B.S. Utah State, 42, M.S. 48; Ph.D.(econ), Illinois, 50. Asst. prof. ECON, Ore. State Col, 50-54; assoc. prof, BRIGHAM YOUNG, 55-58, PROF, 59- Consult. & res. grant, Gt. Basin Milk Mkt. Admin, 60-61. U.S.A. 42-46, Maj. Economic base studies of communities and areas; efficiency studies of manufacturing organizations. Publ: Co-auth, Clean-ing pipe lines in place, Ford Eng, 53; auth, Manufacturing costs and finished product values, Milk Prod. J, 54; How you save with CIP lines, Milk Plant Monthly, 54. Address: Dept. of Economics, Brigham Young University, Provo, Utah 84601.

NELSON, DR. GLENN I, b. Westbrook, Minn, May 26, 33; m. 55; c. 4. SO-CIOLOGY. B.A. St. Olaf Col, 55; M.A. Minnesota, 60, Ph.D.(sociol), 64. Res. asst. rural sociol, Minnesota, 60-64; ASST. PROF. SOCIOL, LUTHER COL.(IOWA), 64. Instr. Augsburg Col, 61-64. U.S.A.F. 56-58, Res, 1st Lt. Sociol. Assn; Rural Sociol. Soc; Soc. Sci. Study Relig. Rural sociology; so-cial psychology; sociology of religion. Publ: Co-auth, Minnesota's people and farms, 62 & auth, Social change and religious organizations of Meeker County, 65, Minn. Agr. Exp. Sta. Address: Dept. of Sociology, Luther Col-lege, Decorah, Iowa 52101.

NELSON, PROF. HAROLD A(LFRED), b. Cleveland, Ohio, Dec. 10, 32; m. 60. SOCIOLOGY. A.B. Ohio Wesleyan, 54; Chicago, 56; A.M. California, 58; Haynes Found. fel, Southern California, 59, Ph.D. 60. Vis. lectr. SOCIOL, Nevada, 60; asst. prof, Colo. State Col, 60-62; ASSOC. PROF, Alabama, 62-66; HOUSTON, 66- U.S.A. 54-56, Res, 56- Sociol. Assn; Soc. Study Social Probs. Racial and ethnic relations; social stratification. Publ: Whither the civil rights struggle, The Crisis, 11/65; How shall the advocate advocate?, Ethics, 7/66; The defenders: a case study of an informal police organiza-tion, Soc. Probs, fall 67. Address: Dept. of Sociology, University of Hous-ton, Houston, Tex. 77004.

NELSON, PROF. H(OWARD) J(OSEPH), b. Gowrie, Iowa, Jan. 12, 19; m. 44; c. 2. GEOGRAPHY. A.B. Iowa State Teachers Col, 42; A.M. Chicago, 47, Salisbury fel, 47-48, Walgreen scholar, 48-49, Ph.D. 49. Instr. GEOG, CAL-IFORNIA, LOS ANGELES, 49-51, asst. prof, 51-57, assoc. prof, 57-63, PROF, 63-, CHMN. DEPT, 66- U.S.A. 43-46. Assn. Am. Geog; fel. Am. Geog. Soc. Urban and economic geography. Address: Dept. of Geography, University of California, Los Angeles, Calif. 90024.

NELSON, DR. J(ACK) RUSSELL, b. Portland, Ore, Dec. 18, 29; m. 51; c. 3. BUSINESS ADMINISTRATION. A.B. Pacific Union Col, 52; M.B.A. Califor-nia, Los Angeles, 57, I.W. Hellman fel, 57-58, Ford Found. fel, 58-59, Ph.D. 62. Acct, St. Helena Sanitarium & Hosp, 51-54; mgr, Modesto City Hosp, 54-55; assoc. prof. bus. admin, Emmanuel Missionary Col, 59-61; asst. prof. FINANCE, MINNESOTA, MINNEAPOLIS, 61-64, ASSOC. PROF, 64- Admin. intern, Univ. Oregon, 66-67. Econ. Assn; Finance Assn; Statist. Assn. Corpora-tion finance; capital markets; regional economic development. Publ: Co-ed, Profits in the modern economy, Univ. Minnesota, 67; auth, Price effects in rights offerings, J. Finance, 65; co-auth, Sales finance subsidiaries and their growth, Calif. Mgt. Rev, 66. Address: School of Business Administra-tion, University of Minnesota, Minneapolis, Minn. 55455.

NELSON, PROF. JAMES C(ECL), b. Bickleton, Wash, Oct. 5, 08; m. 35; c. 2. ECONOMICS. A.B. Washington (Seattle), 30; A.M. Ohio State, 31; res. fel, Brookings Inst, 33-34; Ph.D.(econ), Virginia, 34. Acting asst. prof. econ, Virginia, 34-35; acting prof, Richmond, 36-37; assoc. prof. transportation, Tennessee, 37-38; sr. transportation economist, bur. agr. econ, U.S. Dept. Agr, 38-40; prin. economist, Nat. Resources Planning Bd, 40-41; asst. dir. div. econ. studies, Bd. Invest. & Res, 41-44; div. rev. & spec. studies, Off. Defense Transportation, 44-45; chief transportation div, U.S. Dept. Commerce, 45-47; PROF. ECON, WASHINGTON STATE, 47- Soc. Sci. Res. Coun. grant in aid, 38; sr. staff mem, Brookings Inst, 56-57. Consult, State Joint Fact-Finding Cmt. Hwys, St. & Bridges, Wash, 47-50; N.Dak. Legis. Cmt, 51-52; Under Secy. Commerce for Transporta-tion, U.S. Dept. Commerce, 59; Royal Cmn. Transportation, Alta, 60; Stan-ford Res. Inst. Contract, Fedn. Nigeria, 60-61; transportation econ. adv,

Ministry Commerce, Royal Govt. Afghanistan & Asia Found, Kabul, Afghan-istan, 63; consult, Atchison, Topeka & Santa Fe Rwy. Syst, Ill, 63-68; Systrs. Anal. & Res. Corp, Mass. & Am. Automobile Mfrs. Assn; Mich, 66; U.S. Dept. Transportation, 67. Mem. bd. dir, Transportation Res. Forum, 63. Econ. Assn; Soc. Traffic & Transportation. Transportation; public utilities; social control of industry. Publ: Federal regulatory restrictions upon motor and water carriers; Railroad transportation and public policy; co-auth, Transportation economics, Nat. Bur. Econ. Res. & Columbia, 65. Address: 1824 D St, Pullman, Wash. 99163.

NELSON, PROF. J(AMES) G(ORDON), b. Hamilton, Ont, Apr. 3, 32; m. 56; c. 3. GEOGRAPHY. B.A. McMaster, 55; M.A. Colorado, 57; Ph.D. Hopkins, 59. Blissing fel. GEOG, Hopkins, 59-60; asst. prof, CALGARY, 60-63, assoc. prof, 63-67, PROF. & V.DEAN ARTS & SCI, 67- Nat. Res. Coun. Can. res. grants, 62-; Can. Govt. Geog. Br. res. grant, 65- Trustee, Nat. & Prov. Parks Assn. Can. Mem. sub. cmt. resources, Nat. Adv. Cmt. Geog. Res, 66; Alta. Adv. Cmt. Pollution Control, 67. AAAS; Assn. Am. Geog; fel. Am. Geog. Soc; Soc. Hist. Discoveries; fel. Can. Assn. Geog. Recent landscape history and its relevance to planning; national parks management and planning; glacial and fluvial geomorphology. Publ: Co-auth, Man as an instrument of landscape change; fires, floods, and national parks in the Bow Valley, Alberta, Geog. Rev, 66; The recession of the Drummond Glacier, 66 & auth, Man and landscape change in the western plains of Can-ada, 67, Can. Geog. Address: Dept. of Geography, University of Calgary, Calgary, Alta, Can.

NELSON, DR. JAMES H(OMER), b. Idaho Falls, Idaho; m. PSYCHOLOGY. B.S. Idaho, 37, M.S. 39; fel, Minnesota, 40-41; Ed.D.(counseling & guid), Denver, 52. Youth personnel rep, Nat. Youth Admin, Minneapolis, Minn, 41-43; personnel asst, Puget Sound Navy Yard, U.S. Dept. Navy, 43-44; asst. relocation adv, War Relocation Authority, 45-46; voc. counsr, Marquette, 46-47; Nebraska, 47-50; counseling psychologist, Vet. Admin. Regional Off, 53-61; CONSULT. PSYCHOLOGIST, 61- Psychol. Assn; Personnel & Guid. Assn; Nat. Rehab. Assn. Vocational interest tests; interests, attitudes and charac-teristics of personnel and guidance workers. Address: 4627 N. 11th Place, Phoenix, Ariz. 85014.

NELSON, PROF. JAMES R(ODNEY), b. Bisbee, N.Dak, June 7, 15; m. 41; c. 2. ECONOMICS. A.B. Oberlin Col, 36; B.A. Oxford, 38, fel, 38-39; Ph.D. (econ), Harvard, 48; hon. M.A. Amherst Col, 51. Instr. ECON, Oberlin Col, 41-42, from asst. prof. to assoc. prof, 47-50; asst. prof, AMHERST COL, 46-47, assoc. prof, 50-51, PROF, 51- Dir. off. econ, U.S. Dept. Transpor-tation, 67-68. Chmn, Bd. Econ. Adv. Gov. of Mass, 63-65. Econ. Assn. Pub-lic utilities; market organization; international trade. Publ: Co-auth, Elec-tric power regulation in Latin America; ed, Marginal cost pricing in prac-tice, Prentice-Hall, 64. Address: Dept. of Economics, Amherst College, Amherst, Mass. 01002.

NELSON, DR. JANET FOWLER, Psychol, see 10th ed, Soc. & Behav. Vols.

NELSON, DR. JEAN WARE, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

NELSON, PROF. LEONA B(ERNICE), b. Livingston Co, Ky, Nov. 15, 15. SO-CIOLOGY. A.B. Butler, 38, M.A. 43; Ph.D.(sociol), Chicago, 53. Inst. soc. sci, Anderson Col, 41-42; registr, 42-44, asst. prof. soc. sci, 47-54, assoc. prof, 54-56; CEDAR CREST COL, 56-60, PROF. SOCIOL, 60- Researcher, Antioch Study, 66. Mem. exec. cmt, Action Liberal Ed, 67- Sociol. Assn; Soc. Study Social Probs; Soc. Appl. Anthropol. Intercultural relations; social organization, change and disorganization. Address: Dept. of Social Science, Cedar Crest College, Allentown, Pa. 18104.

NELSON, DR. LINDA, b. Chicago, Ill. Feb. 3, 29. HOME MANAGEMENT. ANTHROPOLOGY. B.S. Pennsylvania, 50; M.S. Iowa State, 53; Ph.D.(home mgt, anthropol), Mich. State, 63. Instr. home mgt, Mich. State, 54-59; home economist, exten. div, Inter-Am. Inst. Agr. Sci, Costa Rica, 61-67; LATIN AM. REGIONAL HOME ECON. OFFICER, FOOD & AGR. ORGN, UN, 68- Home Econ. Assn; Nat. Coun. Family Rels. Latin American family life. Publ: Co-auth, Administre su hogar: desate sus manes, abra su mente, Inter-Am. Inst. Agr. Sci, 67. Address: Food & Agricultural Organization, Casilla 10095, Santiago, Chile.

NELSON, PROF. LOWRY, b. Ferron, Utah, Apr. 16, 93. SOCIOLOGY. B.S. Utah State Col, 16; M.S. Wisconsin, 24, Ph.D. 29. Secy. to pres, Utah State Col, 16-17; asst. state county agent leader, Utah, 18; county agr. agent, Sanpete Co, 19; field agriculturist, People's Sugar Co, 20; dir. exten. div, Brigham Young, 21-35, prof. rural soc. econ. & dean col. appl. sci, 29-35; asst. dir. rural resettlement div, Resettlement Admin, 35-36; dir. exp. sta, Utah State, 36-37; prof. SOCIOL, MINNESOTA, 37-58, EMER. PROF, 58- Dir. soc. serv. div, Utah Emergency Relief Admin, 34; vis. prof, Cornell, 59; Florida, 60-61; Miami (Fla), 67-; summer vis. prof, Puerto Rico, 61. Consult, Ford Found, 52; Int. Coop. Admin, 57-59. Ed, Utah Farmer, 21-22. Mem, President's Cmt. Farm Tenancy, 36; permanent agr. cmt, Int. Labor Off, 37-52. Fel. AAAS; fel. Sociol. Assn; Rural Sociol. Soc.(ed, J. Rural So-ciol, 36-41; pres, 43). Farm population; community organization; compara-tive rural societies. Publ: Co-auth, Community structure and change; Amer-ican farm life; The Minnesota community. Address: 1150 Madrugra Ave, Coral Gables, Fla. 33146.

NELSON, DEAN M(ARTIN) J(OHAN), b. Windsor, Wis, Jan. 24, 94; m. 19; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. Luther Col.(Iowa), 16, Litt.D. 59; hon. fel, Wisconsin, 23-24, 27-28; M.A. 24, Ph.D. 28. Asst. prof. ed, NORTHERN IOWA, 24-29, dir. res, 29-30, head dept. ed, 30-34, dean fac-ulty, 34-54, instruction & col, 54-59, EMER. DEAN COL, 59- Dir. teacher ed, C.W. Post Col, Long Island, 63-64, dean grad. ed, univ, 65. U.S.A. 18-19. Fel. AAAS; fel. Psychol. Assn; Ed. Res. Assn; Nat. Coun. Measurement in Ed. Publ: Nelson reading tests; co-auth, Henmon-Nelson tests of mental ability & Statistics for teachers. Address: 316 W. 27th St, Cedar Falls, Iowa 50613.

NELSON, DR. MARVEN O(RA), b. Woodward Co, Okla, Jan. 11, 18; m. PSYCHOLOGY. B.A. Greenville Col, 41; M.S. Okla. State, 44; Ed.D. Buffalo.

- 52; Toronto, 46-48; Inst. Group Psychother, 56-57; Alfred Adler Inst, 59-62. Prof. psychol, Houghton Col, 48-56; asst. prof, Jersey City State Col, 56-59; SCH. PSYCHOLOGIST, Orangeburg, 59-62; ROCKLAND COMMUNITY COL, 62- Chmn. dept, Alfred Adler Ment. Hyg. Clin, 62-, staff psychologist, 63- Private practice, 59- Psychol. Asn. Psychotherapy; psychology of religion. Publ: An application of the Q-technique to the study of religious concepts, Psychol. Reports; Les concepts religieux dans leur relation aux images parentales, Lumen Vitae; Individual psychology as a basis for the counseling of low achieving students, Personnel & Guid. J, 67. Address: Dept. of Psychology, Rockland Community College, 145 College Rd, Suffern, N.Y. 10901.
- NELSON, PROF. MAX, b. Akron, Ohio, Jan. 15, 18; m. 46; c. 1. SPEECH PATHOLOGY, AUDIOLOGY. B.A. Akron, 41; M.A. Michigan, 47, Ph.D. 50. Asst. prof. speech, Mich. State, 50-56, assoc. prof, 56-65; PROF. AUDIOL. & SPEECH PATH, CALIF. STATE COL. FULLERTON, 65- U.S.A. 42-46. Speech & Hearing Asn; Speech Asn. Am; Alex. Graham Bell Asn. for the Deaf. Clinical audiology; hearing aid evaluation; auditory training and problems of the hearing handicapped; electro-cutaneous perception of speech. Publ: Progeria: audiological aspects, Arch. Pediat; Public school audiology, Volta Rev; Electro-cutaneous perception of speech, AMA Arch. Otolaryngol. Address: Dept. of Speech, California State College, Fullerton, Calif. 92631.
- NELSON, PROF. MILTON N(ELS), b. Chicago, Ill, July 7, 91; m. 18; c. 2. ECONOMICS. A.B. Illinois, 15, A.M. 17, Ph.D.(econ), 21. Instr. mkt, Minnesota, 21-22; econ, Illinois, 22-23; asst. prof. bus. orgn, Ohio State, 23-26; head dept. ECON, OREGON STATE, 26-57, prof, 26-60, EMER. PROF, 60- In charge econ. invests, agr. exp. sta, Oregon, 26-34; vis. prof, Illinois, 40-41. Consult, Bonneville Power Admin, 44-46. Marketing of agricultural products; open price associations; economic base for power markets in Linn and Benton Counties, Oregon. Address: Dept. of Economics, Oregon State University, Corvallis, Ore. 97330.
- NELSON, LT. COMDR. PAUL DELAY, U.S.N., b. Akron, Ohio, Sept. 20, 32; m. 59; c. 1. PSYCHOLOGY. A.B. Princeton, 54; M.A. Chicago, 55, Ph.D. 61. Asst. psychol, exam. off, Chicago, 54-56; MED. SERV. CORPS, U.S. NAVY, 56-, psychologist, aviation psychol. lab, Naval Air Sta, Fla. 56-58, staff aviation psychologist, adv. training staff, Tex. 58-59, head group anal. sect. psychol, naval med. neuropsychiat. res. unit, Calif. 60-67, PSYCHOLOGIST, RES. DIV, BUR. MED. & SURG, U.S. DEPT. NAVY, 67- Psychol. Asn. Selection and training of military personnel for naval aviation; Antarctic duty and generally stressful environments; analysis of behavior in small groups or isolation. Address: Research Division, Bureau of Medicine & Surgery, U.S. Dept. Navy, Washington, D.C. 20390.
- NELSON, DR. PAUL E(DWIN), JR., b. St. Louis, Mo, Mar. 31, 21; m. 48; c. 1. ECONOMICS. B.A. Oberlin Col, 43; M.A. American Univ, 46; fel, Iowa State Col, 45-47, Ph.D.(econ), 49. Res. assoc. & instr, Iowa State Col, 47-50; asst. prof. econ, Denison, 50-53, assoc. prof, 53-58, prof, 58-60; head mkt. structure & practice sect, ECON. RES. SERV, U.S. DEPT. AGR, 60-66, HEAD INPUT MKT. RES, MKT. ECON. DIV, 66- Vis. res. prof, California, Berkeley, 65; vis. prof, Minnesota, St. Paul, 68. Econ. Asn; Agr. Econ. Asn. Economic theory; agricultural policy; price analysis. Publ: Co-auth, Price merchandising in food retailing: a case study, Inst. Bus. & Econ. Res, Univ. California, 66; Chap, In: Marketing and economic development, Univ. Nebraska, 67; auth, Chap, In: Contemporary agricultural marketing Part II, Univ. Tennessee, 67. Address: ERS-MED, U.S. Dept. Agriculture, Washington, D.C. 20250.
- NELSON, DR. RALPH A, Clin. Psychol, see 10th ed, Soc. & Behav. Vols.
- NELSON, DR. RALPH E(MIL), b. Little Falls, Minn, Oct. 21, 22; m. 46; c. 4. AGRICULTURAL ECONOMICS. B.S. Minnesota, 49, M.S. 52, Ph.D. 60. Asst. prof. econ, S.Dak. State Col, 57-61, assoc. prof, 61-64; DIR. INT. PROGS, WEST VIRGINIA, 64- Econ. adv, State Planning Orgn, Agency Int. Develop, Turkey, 61-63. U.S.N. 42-46. Agr. Econ. Asn; Soc. Int. Develop. Economic theory; market structure. Publ: Nature of competition among South Dakota dairy manufacturing plants, S.Dak. Exp. Sta. Tech. Bull. Address: 2112 Agricultural Science Bldg, West Virginia University, Morgantown, W.Va. 26506.
- NELSON, PROF. RALPH L(OWELL), b. St. Paul, Minn, June 9, 26; m. 54; c. 2. ECONOMICS. B.S. Minnesota, 49; A.M. Columbia, 53, Ph.D.(econ), 55. Instr. econ, Adelphi Col, 50-54; sr. res. asst, Nat. Bur. Econ. Res, 55-56; asst. prof. finance, Northwestern, 56-58; census monographist, Soc. Sci. Res. Coun, 58-59; dir. found. investment study, Found. Library Center, 62-65; assoc. prof. ECON, QUEENS COL. (N.Y.), 64-67, PROF, 68- Mem. res. staff, Nat. Bur. Econ. Res, 59-; vis. lectr, Yale, 60-61; City Col. New York, 61-62; Columbia, 62-63. U.S.N. 44-46. Econ. Asn; Finance Asn. Industrial organization; corporation finance; economic studies of philanthropy. Publ: Concentration in the manufacturing industries of the United States, Yale, 63; Investment policies of foundations, Russell Sage, 67; Merger movements in American industry, 59. Address: 20 Colvin Dr, Garden City, N.Y. 11530.
- NELSON, PROF. RANDALL H(YLMAN), b. Mobile, Ala, Sept. 24, 19; m. 46; c. 2. POLITICAL SCIENCE. A.B. Michigan, 50, M.A. 51, Ph.D.(polit. sci), 56. Assoc. prof. POLIT. SCI, SOUTHERN ILLINOIS, 56-66, PROF, 66- U.S.A. 41-47, Capt. Constitutional law and development. Publ: Co-auth, Primary sources of American government, Putnam, 2nd ed, 64; auth, Legislative participation in the treaty and agreement making process, West. Polit. Quart; The subject-matter limitation upon the treaty-making power, J. Pub. Law, 62. Address: Dept. of Government, Southern Illinois University, Carbondale, Ill. 62901.
- NELSON, RAYMOND, R.D, Econ, see 10th ed, Soc. & Behav. Vols.
- NELSON, PROF. RAYMOND E(DWARD), b. Litchfield, Minn, Oct. 8, 02; m. 33; c. 2. SOCIOLOGY. B.A. Carleton Col, 25; M.A. Chicago, 29. Mgt. dir, Los Angeles City Housing Authority, 39-45; assoc. dir, Nat. Assn. Housing & Redevelop. Officials, 45-47; exec. dir, Cook County Housing Authority, Ill. 48-57; private consult, 57-58; ASSOC. PROF. CITY PLANNING & SO-
- CIOL, ARKANSAS, 58- Inst. Planners. City planning. Address: Dept. of Sociology & City Planning, University of Arkansas, Fayetteville, Ark. 72701.
- NELSON, RICHARD L(LOYD), Elec. Eng, Econs, see 11th ed, Phys. & Biol. Vols.
- NELSON, DR. RICHARD ROBINSON, b. New York, N.Y., May 4, 30; m. 52; c. 2. ECONOMICS. B.A. Oberlin Col, 52; M.A. Yale, 53, Ph.D.(econ), 56. Asst. prof. econ, Oberlin Col, 56-57; economist, Rand Corp, 57-60; assoc. prof. econ, Carnegie Inst. Tech, 60-61; economist, Coun. Econ. Adv., Wash. D.C. 61-63; economist, Rand Corp, 63-68; PROF. ECON, YALE, 68- Econ. Asn; Economet. Soc. Economic growth; operations research; economic theory; national security economics. Publ: Technology, economic growth and public policy, Brookings, 67; Simple economics of basic scientific research, J. Polit. Econ; Uncertainty, prediction and competitive equilibrium, Quart. J. Econ. Address: Dept. of Economics, Yale University, New Haven, Conn. 06520.
- NELSON, DR. ROBERT A, b. East Bridgewater, Mass, Jan. 31, 20; m. 42; c. 2. ECONOMICS. A.B. Clark, 41, Ph.D. 54, hon. D.Sc. 67; M.B.A. Boston, 47; Fulbright fel, Oslo, 50-51. Instr. econ, Boston, 47-52, asst. prof, 52-55; transportation, Washington (Seattle), 55-56, assoc. prof, 56-62, prof, 62-63; dir. transportation res, U.S. Dept. Commerce, 63-65; DIR. OFF. HIGH SPEED GROUND TRANSPORTATION, U.S. DEPT. TRANSPORTATION, 65- Ford Found. res. fel, 58-59. Consult, New Eng. Cmt. Pub. Transportation, 55- Mem, White House Task Force Transportation Policy, 64. U.S.A. 42-45. Econ. Asn; Soc. Traffic & Transportation; Transportation Res. Forum. Economic problems in transportation. Publ: Interest conflicts in transportation, J. Bus. Univ. Chicago, 4/64; Railroad mergers and public policy, Land Econ, 5/65; co-auth, The relevance of the common carrier under modern economic conditions, Transportation Econ, Nat. Bur. Econ. Res, 65. Address: 6723 Tennyson Dr, McLean, Va. 22101.
- NELSON, DR. ROBERT JOSEPH, S.J., b. Rochester, N.Y., Sept. 7, 19. POLITICAL SCIENCE. A.B. Loyola (Ill), 43; Ph.D., West Baden Col, 45; S.T.L., Woodstock Col.(Md), 52; M.A. Fordham, 55, Ph.D. 59. Instr. classical lang, Brooklyn Prep. Sch. N.Y., 45-48, 56-58; hist. Bellarmine Col, 55-56; POLIT. SCI, CANISIUS COL, 59-61, asst. prof, 61-67; ASSOC. PROF, 67- CHM. DEPT, 61- Polit. Sci. Asn. American government; United States constitutional law; judicial interpretation of freedom of the press; political theory in the seventeenth and eighteenth centuries. Address: Dept. of Political Science, Canisius College, Buffalo, N.Y. 14208.
- NELSON, SAUL, b. Russia, Oct. 26, 01; nat; m. 26; c. 2. ECONOMICS. S.B. Mass. Inst. Tech, 22; American Univ, 35-39. Chief price anal. div, bur. labor statist, U.S. Dept. Labor, 38-42; from staff mem. to dir. mat. & prod. div, War Prod. Bd, 42-46; chief reports & statist. br, Off. U.S. Mil. Govt, Germany, 46-48; Germany-Austria br, Econ. Coop. Admin, 48-51; econ. adv, Off. Price Stabilization, 51-53; indust. economist, adv. to Govt. of Burma, 53-55; consult. economist, 55-62; dep. dir. off. capital develop. bur. for Africa, Agency Int. Develop, 62-66; SR. STAFF ECONOMIST, COUN. ECON. ADV, 66- Econ. Asn; Soc. Int. Develop. International industrial and price economics. Publ: OPS price control standards, Law & Contemporary Probs; co-auth, Price behavior and business policy. Address: 9119 Sligo Creek Pkwy, Silver Spring, Md. 20901.
- NELSON, DR. SHERMAN E(DDIE), b. U.S., Feb. 1, 28; m. 46; c. 5. CLINICAL PSYCHOLOGY. B.A. Minnesota, 47, Ph.D. 52. Clin. psychol. trainee, Vet. Admin, 48-52, CLIN. PSYCHOLOGIST, 52-56; MINNEAPOLIS NEUROPSYCHIAT. CLIN, 56- Lectr, Minnesota, 65-, consult, psychiat. outpatient clin, 66- Psychol. Asn. Individual psychotherapy; organic brain damage; social psychology as related to clinical psychology. Publ: On a relation between Bender-Gestalt recall and Shipley-Hartford scores, J. Clin. Psychol; Diagnosis of cerebral dysfunction in children, Am. J. Diseases of Children; Effects of meprobamate in a mental hygiene clinic, J. Clin. Psychopath. Address: 4225 Golden Valley Rd, Minneapolis, Minn. 55422.
- NELSON, DR. SHERMAN E(UGENE), b. Madison, Wis, Sept. 6, 24; m. 53. CLINICAL PSYCHOLOGY. U.S. Pub. Health Serv. fel, Michigan, 53-54, Ph.D.(psychol), 55. Clin. psychol. intern, Vet. Admin, 49-53, clin. psychologist, Vet. Admin. Hosp, Downey, Ill, 55-61; chief psychol. serv, Ft. Logan Ment. Health Center, Colo, 61-66; PLANNING COORDINATOR & PSYCHOL. CONSULT, STATE MICH. DEPT. MENT. HEALTH, 66- Lectr, Mich. State, 66- Consult, Vet. Admin. Hosp, Allen Park, Mich, 67- U.S.A. 43-45. Psychol. Asn; Group Psychother. Asn. Community mental health; mental health manpower; role of clinical psychologist. Publ: Psychosexual conflicts and defenses in visual perception, J. Abnorm. & Soc. Psychol; co-auth, The therapeutic community and training for new roles for clinical psychologists, Am. Psychologist, 6/66; Familiarization as a vital step in mental health consultation, Community Ment. Health J, vol. 3, 67. Address: Lewis Cass Bldg, Lansing, Mich. 48913.
- NELSON, DR. THOMAS M(ORGAN), Psychol, see 11th ed, Phys. & Biol. Vols.
- NELSON, DR. VIRGINIA L(AFAYETTE), b. Halifax Co, Va, Oct. 26, 87. CHILD PSYCHOLOGY. B.S. Columbia, 19; Ph.D.(psychol), Hopkins, 31. Instr. psychol, ANTIOCH COL, 31, asst. prof, 32-41, res. assoc, FELS RES. INST, 31-60, CONSULT, 60- Psychol. Asn; fel. Soc. Res. Child Develop. Child development; analysis of mental tests administered to children in Fels study. Publ: Co-auth, Performance on Gesell items at six months and its predictive value for performance on mental tests at two and three years, Analysis of abilities tests at the age of six months by the Gesell schedules & Performance of twelve-months-old children on the Gesell schedules and its predictive value for mental status at two and three years, J. Gen. Psychol. Address: 1450 President St, Yellow Springs, Ohio 45387.
- NELSON, DEAN WALLACE BOYD, b. Oilton, Okla, Mar. 17, 23; m. 42; c. 1. ECONOMICS, BUSINESS ADMINISTRATION. B.S. Southern Illinois, 47; M.A. Iowa, 48, Ph.D. 50. Instr. econ, Iowa, 48-50; from asst. prof. to prof, Kansas State, 50-61; prof. bus. & econ. & head dept, TEXAS, ARLINGTON, 61-65, DEAN SCH. BUS. ADMIN, 65- Ford Motor Co. fel, 55; res. fel, Clare-

mont Men's Col, 57. U.S.A.F. 43-46, 51-53, Res. 53-, Capt. Econ. Asn; Indust. Rel. Res. Asn. Labor-management relations; unionism; collective bargaining; role of government; education. Publ: Experiment with class size in the teaching of elementary economics. Ed. Record; Management prerogatives and the work-rules controversy, Labor Law J. Address: School of Business Administration, University of Texas at Arlington, Arlington, Tex. 76010.

NELSON, DR. WALLACE MARTIN, b. Crookston, Minn, Mar. 30, 12; m. 37; c. 3. ECONOMICS. B.S. U.S. Naval Acad, 35; M.Eng. Admin, George Washington, 57; Inter-Univ. Cmt. Econ. Res. In South fel, Florida, 61, Ph.D. (econ), 62. Instr. soc. sci, Florida, 61-62; asst. prof. econ, Rollins Col, 62-66, ASSOC. PROF, 66-67; SOC. SCI, FLORIDA, 67- Gen. Elec. Found. fel, seminar appl. econ, Chicago, 65. U.S.M.C., 29-59, Col. Econ. Asn; Asn. Evolutionary Econ. Economic development of Florida; evolution of American economic thought. Address: Dept. of Social Sciences, Box 2328, Little Hall, University of Florida, Gainesville, Fla. 32601.

NELSON, DR. WILLARD H(ARRY), b. Nehawka, Nebr, May 3, 14; m. 44; c. 3. PSYCHOLOGY. B.S. Nebraska Wesleyan, 35; M.A. Nebraska, 47, Ph.D. (ed. psychol), 53; Stanford, 48. From asst. prof. to assoc. prof. psychol, Ala. Polytech. Inst, 51-57; fel, Illinois, 58; assoc. prof. psychol. & ed, Fla. State, 59-66; DIR. RES. BROWARD COUNTY BD. PUB. INSTR, 66- Consulting clin. psychologist, Tricounty Ment. Health Clin, Thomasville, Ga, 65-66. U.S.A.A.F. 42-46. AAAS; Psychol. Asn; Ed. Res. Asn; Nat. Coun. Measurement in Ed. Modification of teacher behavior; aptitude by treatment interaction; severe educational disadvantage in the nonlaboratory ecology; development of a division of research in a large school system. Publ: Psychological measurements of future scientists, Psychol. Reports; co-auth. Contributions of the behavioral sciences to quality education, Proc. of Conf, Fla. State Univ, 64. Address: Broward County Schools, Ft. Lauderdale, Fla. 33301.

NELSON, DR. WILLIAM GEORGE, IV, b. Philadelphia, Pa, May 26, 34; m. 57; c. 3. ECONOMICS. B.A. Swarthmore Col, 56; M.B.A. Pennsylvania, 58; Nat. Sci. Found. fel, Rice, 63-65, Ph.D.(econ), 65. Summer cost acct, plastics dept, control div, E.I. du Pont de Nemours & Co, 57, res. chemist, res. & develop. div, 57-58, acct. & bus. analyst, control div, 58-60, engr, mfg. div, 60-62, summer mkt. researcher, sales div, 62; corp. planner, corp. planning & eval. dept, MONSANTO CO, 65-66, mgr. planning & commercial develop, PACKAGING DIV, 66-67, MKT. MGR. FOOD INDUST, 68- Instr, Lamar State Col, 61-62; vis. asst. prof, Washington (St. Louis), 65- Chem. Soc; Econ. Asn; Nat. Asn. Acct. Polymer research; monetary theory and policy, particularly the impact of monetary policy on financial intermediaries. Publ: Cost-of-capital standards with debt and equity financing, Financial Exec, 1/66; Two cost-of-capital standards?, Mgt. Acct, Nat. Asn. Acct, 5/66; The proximate impact of monetary policy on flows of funds through financial intermediaries, J. Finance, 9/66. Address: General Office, Monsanto Co, 800 N. Lindbergh Blvd, St. Louis, Mo. 63166.

NELSON, DR. WILLIAM GERALD, b. Bessemer, Pa, Sept. 21, 18; m. 44. ECONOMICS. A.B. Youngstown Col, 40; M.Litt, Pittsburgh, 51, Ph.D.(econ), 61. Acct. Homebuilders Res. Inst, 46; asst. bus. mgr, asst. prof. econ. & vet. ed. officer, Youngstown, 46-67; purchasing agent, PITTSBURGH, 67, ASST. DIR. PURCHASES & OFF. SERV. DIV, 67- U.S.A., 41-45. AAAS; Econ. Asn; Acad. Polit. Sci. Concepts of the business firm. Address: 902 Schenley Hall, University of Pittsburgh, Pittsburgh, Pa. 15213.

NELSON, LT. COL. WILLIAM RICHARD, U.S.A.F. b. Colton, Calif, Feb. 5, 24; m. 47; c. 8. POLITICAL SCIENCE, LAW. J.D. Utah, 49; LL.M. N.Y. Univ, 58; M.A. Miami, 59; Ph.D.(polit. sci), Colorado, 65. U.S. AIR FORCE, 49-, navigator, continental div, Mil. Air Transport Serv, 52-55, Instr. law, U.S. Mil. Acad, 55-58, contracting officer, Hq. Air Materiel Command, 58-61, ASSOC. PROF. POLIT. SCI. & ASST. CHMN. DEPT, U.S. AIR FORCE ACAD, 61- U.S.A.F. 42-45, 1st Lt. AAAS; Polit. Sci. Asn. Science and government; American government and politics; constitutional and international law. Publ: Ed. The politics of science, Oxford, 68; auth. Science: a means or end?, Rocky Mt. Soc. Sci. J, 10/66. Address: Dept. of Political Science, U.S. Air Force Academy, Colo. 80840.

NELSON, PROF. WILLIAM STEWART, b. Potter, Nebr, Aug. 21, 16; m. 44; c. 3. ECONOMICS. B.A. Colorado, 39, M.A. 40. Asst. prof. ECON, DOANE COL, 46-53, assoc. prof, 53-65, PROF, 65-, CHMN. DEPT, 53- Claremont Men's Col. scholar. U.S.N.R., 42-45. Econ. Asn; Hist. Asn; Acad. Polit. & Soc. Sci. Economic aspects of nuclear energy; commodity exchanges; labor relations at home and abroad; public power history. Publ: Mid-continent area power planners: a new approach to planning in the electric power industry, Inst. Pub. Utilities, Mich. State, 68; Private companies and a public power paradox, Harvard Bus. Hist. Rev; Confrontations on the Omaha power frontier, Nebr. J. Econ. & Bus, autumn 62. Address: R.D. 1, Crete, Nebr. 68333.

NEMETZ, DR. S(AMUEL) JOSEPH, b. Hartford, Conn, Apr. 10, 23; m. 47; c. 4. PSYCHIATRY. B.S. Connecticut, 43; M.D. Boston, 48. SR. CLIN. INSTR. PSYCHIAT, SCH. MED. TUFTS, 56-; ASST. RES. PROF, SCH. MED, BOSTON, 59- Assoc. vis. psychiatrist, Mass. Mem. Hosps, 59- Dipl. Am. Bd. Psychiat. & Neurol, 54. U.S.A., 44. AAAS; Psychoanal. Asn; Psychosom. Soc; Psychiat. Asn. Psychosomatic medicine; psychoanalysis. Address: Dept. of Psychiatry, Boston University School of Medicine, Boston, Mass. 02215.

NEMETZ, PROF. SIDNEY SHERMAN, b. Brooklyn, N.Y., Nov. 7, 12; m. 38; c. 2. ECONOMICS, ACCOUNTING. B.B.A. St. John's, 34; M.B.A. Rutgers, 59. Mgt. acct, Two Park Ave. Bldg. Inc, New York, 35; owner oper. farm oper, 37-58; ASSOC. PROF. ECON, MONMOUTH COL. N.J. 58- V-pres. in charge finance, Plymouth Rock Construct. Co, 45-47. Econ. Asn; Econ. Hist. Asn; Acct. Asn. Comparative analysis of economic development of east central New Jersey; analytical study of municipal finance in two municipalities of Monmouth County, N.J. Address: Shark River Rd, Neptune, N.J. 07753.

NEMMERS, PROF. ERWIN ESSER, b. Milwaukee, Wis. Oct. 6, 16; m. c. 1. ECONOMICS. A.B. Marquette, 38, A.M. Chicago, 39; LL.B. Harvard, 41, Austin, Lehman and univ. fels, 41-42, Int. Minerals & Chem. Corp, fel, 51, Peoples Gas, Light & Coke Co. fel, 52; Ph.D. Wisconsin, 53, S.J.D. 56. Assoc. Miller, Mack & Fairchild, 42; asst. counsel law, Ladish Co, 45-46; asst. prof. econ, Marquette, 46-52; lectr. statist, Wisconsin, 52-55; econ, Wisconsin, Milwaukee, 55-56; assoc. prof, Milton Col, 56-57; BUS. ADMIN, NORTHWESTERN, 56-61, PROF, 62- Lectr. Am. Inst. Banking, 48-51; Ford found. faculty res. fel, Wisconsin, 57; fels, Schaeffer Pen Co, 57, Cummins Engine Co, 59, Investors Diversified Serv, Inc, 61 & Case Western Reserve, 67-68; Bliss & Laughlin fel, 65. Attorney, Wis. Tel. Co, 46-47; gen. counsel, R T E Corp, 47- Consult, W.A. Brown Mfg. Co, 58- U.S.A.A.F. 42-45. Econ. Asn; Finance Asn; Bar Asn. Finance; business cycle aspects; job shop simulation. Publ: Managerial economics; Dictionary of economics and business; Hobson and under consumption. Address: 710 N. Lake Shore Dr, Chicago, Ill. 60611.

NEMZEK, PROF. CLAUDE L, b. Moorhead, Minn, Aug. 13, 07; m. 40; c. 2. EDUCATIONAL PSYCHOLOGY. Ph.D.(ed. psychol), Minnesota, 37. PROF. ED, DETROIT, 35- Psychol. Asn; Ed. Res. Asn; Nat. Coun. Measurement in Ed; Nat. Soc. Study Ed. Psychological testing; guidance. Publ: Constancy of the I.Q., Psychol. Bull; Direct and differential prediction of academic success as measured by the Stanford Achievement test, J. Soc. Psychol. Address: 8421 Marygrove Dr, Detroit, Mich. 48221.

NERBOSO, PROF. SALVATORE D(ANIEL), b. Somerville, Mass, Dec. 23, 17; m. 42; c. 3. POLITICAL SCIENCE. B.A. New Hampshire, 41; A.M. George Washington, 44; B.S. Columbia, 47; A.M. Harvard, 48, Ph.D.(polit. sci), 50. Archivist, Nat. Arch, 41-46; chief law & legis. reference sect, U.S. Fed. Security Agency, 48-52; chief proving grounds & centers sect, manpower off, ord. corps, U.S. Dept. Army, 52-53; librn, Wash. Bur, N.Y. Times, 53-59; asst. dir. libraries, Maryland, 59-63, lectr. govt. & polit, 61-63; PROF. POLIT. SCI, BOWIE STATE COL, 63- Lectr, grad. sch, U.S. Dept. Agr, 56-66. U.S.A., 45. Polit. Sci. Asn. American government; public administration; constitutional law. Address: 4604 Jones Bridge Rd, Bethesda, Md. 20014.

NERLOVE, PROF. MARC L(EON), b. Chicago, Ill, Oct. 12, 33; m. 56. ECONOMICS. B.A. Chicago, 52, Soc. Sci. Res. Coun. fel, 54-55, Earhart Found. fel, 55-56; M.A. Hopkins, 55, Ph.D. 56; hon. M.A. Yale, 65. Asst. econ, Cowles Cmn, 53; jr. instr, Hopkins, 53-54; anal. statistician, agr. mkt. serv, U.S. Dept. Agr, 56-57; assoc. prof, Minnesota, 59-60; PROF. ECON, Stanford, 60-65; YALE, 65- Guggenheim & Fulbright fels, Netherlands, 62-63; Frank W. Taussig res. prof, Harvard, 67-68. Consult, Rand Corp; ops. res. off, Hopkins; asst. secy, Defense Int. Security Affairs. U.S.A., 57-59, 1st Lt. Statist. Asn; Asn. Comput. Mach; Economet. Soc; Econ. Asn; Inst. Math. Statist. Mathematical and agricultural economics; econometrics. Publ: Dynamics of supply; Distributed lags and demand analysis; Estimation and identification of Cobb-Douglas production functions, Rand McNally, 65. Address: Dept. of Economics, Yale University, Box 2125, Yale Station, New Haven, Conn. 06520.

NERLOVE, PROF. S(AMUEL) H(ENRY), b. Dec. 19, 01; m. 32; c. 3. BUSINESS ECONOMICS. A.M. Chicago, 23. PROF. bus. econ, Chicago, 23-56, bus. econ. & policy, 56-62; ECON. & BUS. POLICY, CALIFORNIA, LOS ANGELES, 62- Vis. res. prof, Hopkins, 28; sr. financial economist, U.S. Treasury, 30-31. Trustee, Security Life Ins. Co, 33-45. Econ. Asn. Insurance; speculation; corporate incomes. Address: 10450 Wilshire Blvd, Los Angeles, Calif. 90024.

NERVIK, DR. OTTAR, Agr. Econ, see 10th ed, Soc. & Behav. Vols. Latest known address: P.O. Box 1555, Tehran, Iran.

NESBITT, PROF. C(ECIL) J(AMES), Actuarial Math, see 11th ed, Phys. & Biol. Vols.

NESBITT, DR. MICHAEL DAVID, b. Macclesfield, Eng, Dec. 20, 33; m. 56; c. 1. PSYCHOLOGY. B.A. Oxford, 55; Ed. Testing Serv. fel, Princeton, 56-59, Ph.D.(psychol), 59. Teacher, pub. schs, Eng, 55-56; counsr. & consult, State Neuropsychiat. Inst, N.J., 59; res. psychologist, California, Los Angeles, 59-60; res. specialist, Camarillo State Hosp, 60-61, asst, 61-62, clin. psychologist, 62-64; vis. asst. prof, Stanford, 64-65; DIR. PSYCHOL. SERV, PENINSULA CHILD CENTER, 65- Asst. prof, San Fernando State Col, 61-62. Res. consult, Los Angeles, Psychoanal. Inst, 61. Psychol. Asn. Personality theory and measurement; interpersonal relations; philosophy of science; childhood psychopathology; mathematical models; computer simulation of psychological processes. Publ: Friendship, love and values. Address: 29350 Heathercuff Rd, Malibu, Calif. 90265.

NESBITT, DR. PAUL H, b. Savanna, Ill. ANTHROPOLOGY. A.B. Beloit Col, 26; A.M. Chicago, 28, Ph.D.(anthrop), 38. Asst. prof. anthrop, Beloit Col, 30-35, assoc. prof, 35-37, prof, 37-45, curator, Logan Mus, 32-45; dir, Mus. Nat. Archaeol. & Ethnol, Guatemala, 46-48; chief arctic desert tropical info. center, Air Univ, 48-67; HEAD DEPT. ANTHROP, ALABAMA, 67- Archaeologist, N.Africa exped, Logan Mus, Beloit Col, 27-28; leader archaeol. expeds, Mex. & Southwest Am, 30-45; mem, Orinoco Exped, 50. Mem. Inst. Anthropol. & Hist, Guatemala. U.S.A.A.F. 43-45, Capt. Fel. AAAS; fel. Soc. Am. Archaeol; fel. Am. Anthropol. Asn.(secy. & treas. 41). Anthropology; geography; history. Publ: Co-auth. The survival book, Starweather run & The ancient Mimbrenos. Address: Dept. of Anthropology, University of Alabama, Box 6135, University, Ala. 35486.

NESIUS, DR. ERNEST J(OSEPH), b. Remington, Ind, Jan. 3, 12; m. 38; c. 3. ECONOMICS. B.S.A. Purdue, 35; M.S.A. Kentucky, 37; Ph.D.(agr. econ), Iowa State Col, 50. Asst. farm mgt, agr. exp. sta, Kentucky, 37-48, asst. economist farm econ, 48-50, assoc. economist, 50-51, economist, 51, asst. dir. exten. 54, assoc. dir, 55-60; dean col. agr. forestry & home econ. & dir. coop. exten. serv, WEST VIRGINIA, 60-63, v-pres. Center Appalachian Studies & Develop, 63-68, V.PRES. OFF-CAMPUS ED, 68- Dep. food & agr. officer, U.S. Mission, For. Ops. Admin, Austria, 51-53, food & agr. officer, Yugoslavia, 53-54. Mem. nat. agr. econ. res. adv. cmt, U.S. Dept. Agr, 63-; bd. dirs,

- Cmn. Religion in Appalachia & Regional Coun. Int. Ed, Pa, 65-; Nat. Adv. Cmn. Food & Fiber, 66-67; bd. dirs. Coun. South. Mt, 66- U.S.N.R, 44-45, Lt. AAAS; Adult Ed. Assn; Agr. Econ. Assn; Soil Conserv. Soc; Nat. Planning Assn. Publ: Handbook of methods and principles of farm development; Rural society in transition, West Virginia Univ, 66; Economics of pasture production and utilization farm management. Address: West Virginia University, Morgantown, W.Va. 26506.
- NESS, DR. GAYL DeFORREST, b. Los Angeles, Calif, Mar. 19, 29; m. 55; c. 4. SOCIOLOGY. B.A. California, Berkeley, 52, M.A. 57, Ph.D. (sociol), 61; dipl. Copenhagen, 56. Fel. Inst. Current World Affairs, N.Y., 61-64; asst. prof. SOCIOL, MICHIGAN, 64-66, ASSOC. PROF, 66- Ord.C. U.S.A., 53-55. Sociol. Assn; Asn. Asian Studies. Economic development and social change, especially in Southeast Asia. Publ: Bureaucracy and rural development in Malaysia, Univ. California, 67. Address: Dept. of Sociology, University of Michigan, Ann Arbor, Mich. 48104.
- NESSERLOADE, DR. JOHN R(ICHARD), b. Silverton, W.Va, Mar. 13, 36; m. 59; c. 2. PSYCHOLOGY. B.S. Marietta Col, 61; A.M. Illinois, 65; Ph.D. (psychol), 67. Res. asst. PSYCHOL, lab. personality & group anal, Illinois, 61-66, res. assoc, 66-67; ASST. PROF. PSYCHOL. & RES. ASSOC. HUMAN RESOURCES RES. INST, WEST VIRGINIA, 67- U.S.M.C., 54-57, Sgt. Psychomet. Soc. Personality structure and measurement; multivariate analysis techniques. Publ: Co-auth, Methods and findings in experimentally based personality research, In: Handbook of multivariate experimental psychology, Rand, 66 & Likeness and completeness theories examined by sixteen personality factor measures on stably and unstably married couples, J. Personality & Soc. Psychol, 67; auth, Theory of psychological states and mood action, In: Handbook of modern personality study, Aldine, 68. Address: Dept. of Psychology, West Virginia University, Morgantown, W.Va. 26506.
- NETER, PROF. JOHN, b. Germany, Feb. 8, 23; nat; m. 51; c. 2. STATISTICS. B.S. Buffalo, 43; M.B.A. Pennsylvania, 47, univ. fel. Columbia, 48-49, Ph.D. (bus. statist), 52. Instr. statist, Syracuse, 49-52, asst. prof. bus. statist. & chmn. dept, 52-55; assoc. prof. statist. SCH. BUS. ADMIN, MINNESOTA, MINNEAPOLIS, 55-58, PROF, 58-61, QUANT. ANAL, 61-, chmn. dept, 61-65. U.S.A., 43-45. Fel. AAAS; Fel. Statist. Assn; Soc. Qual. Control; Inst. Math. Statist; Inst. Mgt. Sci. Statistical applications in accounting, auditing and market research; measurement errors in surveys. Publ: Co-auth, Fundamental statistics for business and economics, 2nd ed; Statistical sampling for auditors and accountants; Response errors in the collection of expenditures data by household interviews: an experimental study, U.S. Bur. Census, 65. Address: School of Business Administration, University of Minnesota, Minneapolis, Minn. 55455.
- NETSCHERT, DR. BRUCE C(ARLTON), b. Newark, N.J, Jan. 6, 20; m. 44; c. 2. ECONOMICS. B.A. Cornell, 41, Ph.D.(econ), 49. Asst. prof. bus. & econ, Minnesota, Duluth, 49-51; commodity analyst, President's Mat. Policy Cmn, 51-52; consult, mat. div. Nat. Security Resources Bd, 52-53; mat. area, Off. Defense Mobilization, 53-55; resource economist, Resources for Future, Inc, 55-61; DIR. WASH. OFF. NAT. ECON. RES. ASSOCS, 61-U.S.A.A.F., 42-46, 1st Lt. Econ. Assn; Geol. Soc; Inst. Min. Metall. & Petrol. Eng. Energy and mineral economics; national mineral policy. Publ: Co-auth, General geography for colleges; Energy in the American economy; auth, The future supply of oil and gas. Address: 1913 Martha's Rd, Alexandria, Va. 22307.
- NETSCHERT, WILLIAM (VINCENT BERNARD), b. Newark, N.J, Oct. 9, 93; m. 18; c. 3. STATISTICS. M.E. Stevens Inst. Tech, 18. Supvr. res. sect, div. employ. security, State Dept. Labor, N.J., 39-55; LEGIS. CONSULT. & TECH. WRITER, 55- Statist. Assn; Indust. Rels. Res. Assn; Acad. Polit. & Soc. Sci. Unemployment compensation; employment security. Publ: Synthesis; Shadows from minimum wage and G.A.W. on U.C. system of U.S.; What fate for employment security in the United States. Address: 3059 Esperanza, Daytona Beach, Fla. 32018.
- NETT, DR. EMILY M(ARGARET), b. Cincinnati, Ohio, Oct. 20, 24; m. 54; c. 3. SOCIOLOGY. B.A. Heidelberg Col, 46; Washington State, 46-47; M.A. Washington (Seattle), 51; Ph.D.(sociol), Ohio State, 54. Anal. statistician, U.S. Dept. Air Force, Wright-Patterson Air Force Base, Ohio, 55-57; proj. dir. med. sociol, dept. audiol, sch. med, Pittsburgh, 58-60; asst. prof. sociol, Carnegie Inst. Tech, 61-63; prof. eng. Cent. Univ. Ecuador, 63-64; lectr. SOCIOL, St. Thomas, 66-67; ASSOC. PROF, TEXAS SOUTHERN, 67-, faculty res. grant, 67-68. AAAS; Sociol. Assn; Anthropol. Assn. Social stratification; elites and intellectuals in social change in Latin America. Publ: Evaluation of the national character concept in sociological theory, Soc. Forces; co-auth, Relationship between audiologic measures and social-psychological handicap; auth, The servant class in a developing country: Ecuador, J. Interam. Studies, 7/68. Address: Dept. of Sociology, Texas Southern University, Houston, Tex. 77004.
- NETT, PROF. ROGER, b. Idaho, Mar. 18, 21. SOCIOLOGY. A.B. East. Wash. Col, 41; Washington (Seattle), 41-42; Ph.D. Wash. State, 49. Asst. prof. sociol, Okla. State, 49-54; electronic computer training liaison, Air Materiel Command, U.S. Air Force, 54-57; assoc. prof. SOCIOL, Pittsburgh, 57-66; PROF, HOUSTON, 66- Prof. Cent. Univ. Ecuador, 63-65. Sociol. Assn. Theory and methodology; Latin America. Publ: Thortree Meadows; Introduction to electronic data processing; co-auth, A methodology for social research, Harper, 68. Address: Dept. of Sociology & Anthropology, University of Houston, Houston, Tex. 77004.
- NETTING, DR. ROBERT MCCORKLE, b. Racine, Wis, Oct. 14, 34; m. 63; c. 1. ANTHROPOLOGY. B.A. Yale, 57; Woodrow Wilson fel. Chicago, 57-58, Nat. Sci. Found. fel, 58-60, M.A., 59, Ford Found. fel, 60-62, Ph.D.(anthrop), 63. / ASST. PROF. ANTHROP, PENNSYLVANIA, 63- Soc. Sci. Res. Coun. Africa Cmt. res. grant, 68-67. Fel. Anthropol. Assn; fel. African Studies Assn. Cultural ecology; agricultural systems; social organization of production; land tenure; economic development and culture change; sub-saharan Africa. Publ: Hill farmers: a study of the cultural ecology of the Kofyar of northern Nigeria, Univ. Washington, (in press); Beer as a locus of value among the West African Kofyar, Am. Anthropologist, 64; Household organization and intensive agriculture, Africa, 65. Address: Dept. of Anthropology, University of Pennsylvania, Philadelphia, Pa. 19104.
- NETTL, PROF. BRUNO, Ethnomusicol, Anthropol, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- NETTLER, DR. GWYNNE, b. New York, N.Y, July 7, 13. SOCIOLOGY, PSYCHOLOGY. A.B. California, Los Angeles, 34; M.A. Claremont Colls, 36; Ph.D.(sociol), Stanford, 45. Instr. sociol, Stanford, 41-44; Reed Col, 44-45; asst. prof. Washington (Seattle), 45-46; assoc. prof. California, 46-51; consult, 52-57; dir. Child Welfare Study, Tex, 57-59; assoc. indust. psychol, Dando, S.A. Mexico City, Mex, 59-61; sr. clin. psychologist, Nev. State Dept. Health, 61-63; PROF. SOCIOL, ALBERTA, 63- AAAS; Sociol. Assn; Am. Psychol. Assn; Can. Sociol. & Anthropol. Assn; Brit. Psychol. Soc. Attitude determinants; behavior disorders; social change. Publ: Cruelty, dignity and determinism, Am. Sociol. Rev; Good men, bad men and the perception of reality, Sociometry; Using our heads, Am. Sociologist, 8/68. Address: Dept. of Sociology, University of Alberta, Edmonton, Alta, Can.
- NETZER, PROF. DICK, b. New York, N.Y, May 14, 28; m. 45; c. 2. ECONOMICS. B.A. Wisconsin, 46; fel. Harvard, 46-48, M.P.A. & A.M., 48, Ph.D. (econ, govt), 52. Economist, Fed. Reserve Bank, Ill, 48-59, asst. v-pres, 60; assoc. prof, grad. sch. pub. admin, N.Y. UNIV, 61-64, prof. pub. finance, 64-67, PROF. ECON. & HEAD DEPT, 67- Dir. study New York City finances, Temporary Cmn. City Finances, 64-66; adv. Harvard group, Govt. Colombia, summer 66. Consult, Regional Plan Assn, 60- Mem. Cmt. Urban Pub. Econ, 64-; cmt. urban econ, Resources for the Future, 67-; chmn. adv. cmt. state & local statist, U.S. Census Bur, 67- U.S.A., 53-55. Econ. Assn; Regional Sci. Assn. Economic structures of small areas; public finance; transportation economics; urban public finance; economics of urban areas. Publ: Economics of the property tax, Brookings, 66; co-auth, Issues in urban economics, Hopkins, 67; auth, Financing government in New York City, N.Y. Univ, 66. Address: Dept. of Economics, New York University, Washington Square Campus, New York, N.Y. 10003.
- NETZER, PROF. DONALD LEO, b. Lena, Wis, Oct. 18, 14; m. 49; c. 5. GEOGRAPHY, AGRICULTURAL ECONOMICS. Ph.B. Wisconsin, 42; M.A. Illinois, 46, Ph.D., 53; Ohio State, 47-49. Assoc. prof. GEOG, Atlanta div. Georgia, 51-55; prof. & chmn. dept, Butler, 55-56; assoc. prof. St. Cloud State Col, 56-63; PROF, WIS. STATE, OSHKOSH, 63- Am. Geog. Soc; Asn. Am. Geog. Climate and land utilization; conservation of natural resources; geography of North America. Address: Dept. of Geography, Wisconsin State University, Oshkosh, Wis. 54902.
- NEU, DR. D. MORGAN, b. Elkhart, Ind, Sept. 30, 18; div; c. 2. PSYCHOLOGY. A.B. Indiana, 45, M.A., 47; fel. Pa. State, 48-50, Ph.D.(psychol), 50. Supvr. personnel selection prog, Psychol. Corp, 47-48; TECH. DIR, DANIEL STARCH & STAFF, 50-, V.PRES. & DIR. TV RES, 55-, DIR. IMPRESSION STUDIES, 60- AAAS; Psychol. Assn; Mkt. Assn. Mass media of communications research; advertising research; learning theory. Publ: Effect of attention-gaining devices on film-mediated learning, J. Ed. Psychol; Review of literature on absolute pitch, Psychol. Bull; The effects of TV commercial positions, J. Adv. Res. Address: Daniel Starch & Staff, Boston Post Rd. & Beach Ave, Mamaroneck, N.Y. 10543.
- NEUBECK, DR. GERHARD, b. Dortmund, Germany, Feb. 28, 18; nat; m. 41; c. 3. COUNSELING PSYCHOLOGY. B.S. N.Y. Univ, 43; M.A. Northwestern, 46; Ed.D.(marriage & family living), Columbia, 53. Sr. personnel worker, student counseling bur, MINNESOTA, MINNEAPOLIS, 48-59, assoc. prof. family studies, 59-66, PROF. & DIR. MARRIAGE COUNS. TRAINING PROG. & CHMN. FAMILY STUDY, 66- Fulbright lectr, Grad. Teachers Col, Denmark, 60-61. Psychol. Assn; Asn. Marriage Counsr. (pres. elect, 67-68). Psychology of marriage; marriage counseling. Publ: Time of marriage and college attendance, J. Marriage & the Family, 11/65; Patterns of affection, Int. J. Comp. Sociol, 3/67; The dimensions of the extra in extra-marital relations, In: Marital counseling: psychology, ideology, science, C.C. Thomas, 67. Address: 1465 Raymond St, St. Paul, Minn. 55108.
- NEUBER, PROF. FRANK WILLIAM, b. Milwaukee, Wis, May 4, 27; m. 49; c. 2. POLITICAL SCIENCE, GOVERNMENT. B.A. Beloit Col, 49; fel. Illinois, 49-50, M.A., 50; Carnegie fel. Oregon, 50-52, Ph.D.(polit. sci.), 58. Instr. Whitman Col, 52-53; asst. prof. polit. sci. & hist. Cent. Col.(Iowa), 53-57; polit. sci, West. Wash. Col. Ed, 57-62; assoc. prof. soc. sci, Eastern Illinois, 61-63; prof. polit. sci, Parsons Col, 63-67, chmn. dept, 64-65; vis. prof, WESTERN KENTUCKY, 66-67, PROF, 67- U.S.N.R., 45-46. Polit. Sci. Assn. Modern political theory; international law, organization and politics; American national government and public law. Publ: National cooperating bodies for UNESCO; Materials on American governments, W.C. Brown, 65; Radical of the right: a case study of W.H. Harold and his Northwest league for Christian Americanism, Microfilms, Univ. Mich. Address: Dept. of Government, Western Kentucky University, Bowling Green, Ky. 42101.
- NEUBERGER, DR. EGON, b. Zagreb, Yugoslavia, Feb. 27, 25; nat; m. 49; c. 2. ECONOMICS. A.B. Cornell, 47; M.A. Harvard, 49, Ford Found. fel, 54-56, Ph.D.(econ), 58; American Univ, 49-52; univ. fel. Mass. Inst. Tech, 56-57. Economist, U.S. Dept. State, 49-54, attaché, Am. Embassy, Moscow, 52-53; asst. prof. econ, Amherst Col, 57-60; economist, Rand Corp, 61-65; vis. prof. ECON, Michigan, 65-66; PROF, STATE UNIV. N.Y. STONY BROOK, 67- Soc. Sci. Res. Coun. fel, 59; lectr. California, Los Angeles, 61-65; Los Angeles State Col, 61-62; summer lectr. Colorado, 63; vis. scholar, Columbia, 67-68. Mem. U.S. Govt. Del. Trade Experts to Soviet Union, 63. U.S.A., 43-46. Econ. Assn; fel. Philos. Soc; Asn. Adv. Slavic Studies. Economics of Soviet Russia and Eastern Europe, especially banking, foreign trade and investment allocation; comparative economic systems; Yugoslav economy. Publ: Yugoslav investment auctions, Quart. J. Econ, 2/59; Liberalism, computopia and visible hand: the question of informational efficiency, Am. Econ. Rev, 5/66; Central planning and its legacies: foreign trade considerations, In: Trade and planning, Univ. California Press, 68. Address: Dept. of Economics, State University of New York, Stony Brook, N.Y. 11790.
- NEUFELD, PROF. MAURICE F(RANK), b. Washington, D.C, Oct. 27, 10. INDUSTRIAL RELATIONS. A.B. & A.M. Wisconsin, 32, Ph.D., 35. Dir. State

Div. Planning, N.Y. 39-41; dep. cmnr. commerce, State Div. Commerce, 41-42; asst. coordinator war plans, State War Coun, 42; PROF. INDUST. & LABOR RELS, CORNELL, 46- Labor rels. consult, Xerox Corp. N.Y. 55- Dir, State Bur. Rationing, N.Y. 41-42; chmn. Gov. Cmt. Post-War Employ, N.Y. 42. U.S.A. 42-45, Capt. Indust. Rels. Res. Asn; Hist. Asn. Theories of industrial relations systems; international and comparative labor relations systems; history of ideas held by American organized labor and their origins; American radicalism and dissent. Publ: Italy: school for awakening countries; Poor countries and authoritarian rule, N.Y. State Sch. Indust. & Labor Rels, Cornell, 65. Address: School of Industrial & Labor Relations, Cornell University, Ithaca, N.Y. 14850.

NEUGARTEN, PROF. BERNICE L(EVIN), b. Norfolk, Nebr, Feb. 11, 16; m. 40; c. 2. HUMAN DEVELOPMENT. B.A. Chicago, 36, M.A. 37, Am. Coun. Ed. fel, 39-41, Ph.D.(human develop), 43. Res. assoc. HUMAN DEVELOP. CHICAGO, 48-50, asst. prof, 51-59, assoc. prof, 60-64, PROF, 64-Mem, training rev. cmt. aging, Nat. Inst. Child Health & Human Develop, 65-69. Fel. AAAS; fel. Psychol. Asn; fel. Sociol. Asn; fel. Geront. Soc.(pres, 68-69). Personality change in adulthood; sociology of education; developmental psychology. Publ: Co-auth, Personality in middle and late life, Atherton, 64; Society and education, Allyn, 67; Middle age and aging, Univ. Chicago, 68. Address: 5835 Kimbark Ave, Chicago, Ill. 60637.

NEUHAUS, DR. EDMUND C, b. Munich, Germany, Jan. 15, 27; nat; m. 50; c. 2. PSYCHOLOGY. B.A. Queens Col, 48; M.A. N.Y. Univ, 49, Ph.D. 54. Exec. dir, Asn. Help Retarded Children, L.I. 54-62; dir. psychol. & ed. serv, Human Resources Found, Albertson, 62-65; PRES. & DIR, REHAB. INST, 65- Private practice, 54- U.S.A. 45-46. Psychol. Asn; Asn. Ment. Deficiency; Rehab. Asn. Rehabilitating discharged mental hospital patients and the emotionally disturbed; diagnosis, psychotherapy and rehabilitation of the mentally ill. Address: 967 W. Shelley Rd, North Bellmore, N.Y. 11710.

NEULINGER, DR. JOHN, b. Germany, Apr. 26, 24; U.S. citizen; m. 50; c. 1. PSYCHOLOGY. B.A. Hunter Col, 60; Nat. Inst. Ment. Health fel, N.Y. Univ, 63, Ph.D.(soc. psychol), 65. Res. assoc, Russell Sage Found, 64-65; res. asst. prof. PSYCHOL, N.Y. Univ, 65-67; ASST. PROF, CITY COL. NEW YORK, 67- Russell Sage Found. res. grant, 67-68. U.S.A. 49-50. Psychol. Asn. Psychological and social implications of leisure; typological approach to personality assessment; psychology of individual similarities; cross-cultural perceptions of mental health; attitudes toward intelligence testing. Publ: Co-auth, Experiences and attitudes of American adults concerning standardized intelligence tests, Russell Sage Found, 65; auth, Attitudes of American secondary school students toward the use of intelligence tests, Personnel & Guid. J, 12/66. Address: Dept. of Psychology, City College of New York, Convent Ave & 138th St, New York, N.Y. 10031.

NEUMAN, DR. DUANE FREDRICK, b. Columbus, Nebr, May 17, 36; m. 61; c. 2. AGRICULTURAL ECONOMICS. B.S. Nebraska, 57, M.S. 60; Ph.D. (agr. econ), Illinois, 63. Res. assoc. AGR. ECON, Nebraska, 58-59; ASST. PROF, N.C. STATE, 62- Econ. Asn; Agr. Econ. Asn. Production economics; agricultural credit and finance, especially evaluating supervised agricultural credit programs in Peru; farm income variability; resource prices; farm organization. Publ: Co-auth, Type of tenure, organization and resource use on farms in southeastern Nebraska, Univ. Nebraska, 64 & Dairy farm business summary, 1966, N.C. State Univ, 67; auth, Capital requirements and financing practices for restructuring southern agriculture, J. Farm Econ, 12/66. Address: 3117 Glenridge Dr, Raleigh, N.C. 27604.

NEUMAN, DR. GERARD G(EOGE), b. Vienna, Austria, Nov. 22, 19; nat; m. 43; c. 1. CLINICAL PSYCHOLOGY. B.A. Ohio State, 41, M.A. 42; Ph.D. Denver, 53. Probation officer, King County Juvenile Court, Wash. 45-47; casework superv. Vet. Admin. Hosp. & instr. Menninger Inst. Psychol. Med. Topeka, Kans, 47-50; dir. rehab. Nat. Jewish Hosp, Denver, Colo, 50-51; asst. res. prof, col. med, Utah, 53-58; chief psychologist, Fox Valley Ment. Health Clin, 59-61; CLIN. PSYCHOLOGIST, 61- Consult, Forest Hosp, Des Plaines, Ill, 61- U.S.A. 42-43. Psychol. Asn; Soc. Proj. Tech; Orthopsychiat. Asn. Personality evaluation and psychosomatic research; motivation and creativity. Publ: Co-auth, Quantitative model for measuring psychotherapy process; projective phenomena, a measuring instrument for psychotherapy; Case work with schizophrenic patients. Address: 2925 Arrowwood Trail, Deerfield, Ill. 60015.

NEUMAN, RICHARD W(ALLACE), b. Minneapolis, Minn, Jan. 3, 20; m. 46; c. 3. STATISTICS, ECONOMICS. B.B.A. Minnesota, 42. Statistician employ. statist. bur. labor statist, U.S. Dept. Labor, 46-47; State Dept. Employ. Security, Minn, 47-48; superv. res. & statist, STATE DEPT. PUB. WELFARE, 48-66, RES. DIR. PUB. ASSISTANCE SOC. SERV, 66- Consult, Survival Plan Projs. for Civil Defense. U.S.A. 42-45. Statist. Asn. Social welfare; demography. Address: Minnesota Dept. of Public Welfare, Minnesota Centennial Bldg, St. Paul, Minn. 55101.

NEUMANN, DR. EVA, b. Breslau, Germany, June 3, 01; nat. PSYCHOLOGY. B.A. Brown, 48, M.S. 50; fel, Bryn Mawr Col, 49-50; Ph.D. Kentucky, 59. Asst. psychol. Brown, 47-49; res. assoc. psychophysiol. Bradley Home, Providence, R.I. 50-52; asst. PSYCHOL, Louisville, 52-54; instr. Howard, 56-57; asst. prof, Elmira Col, 57-61; St. Joseph's Col.(Pa), 61-63, ASSOC. PROF, 63-66; GWYNEDD-MERCY COL, 66- Res. assoc, Vanderbilt, 63-Summers, res. psychologist, Wright Patterson Air Force Base, Ohio, 56, Nat. Sci. Found. res. fel, 59. Psychol. Asn. Motor learning and language; history of psychology. Address: 25 Old Lancaster Rd, Bala Cynwyd, Pa. 19004.

NEUMANN, PROF. G(EOGE) K(ARL), b. Hamburg, Germany, June 6, 07. PHYSICAL ANTHROPOLOGY. Ph.B. Chicago, 30, fel, 33-34, A.M. 36, Ph.D. 43; fel, Western Reserve, 31-32. In charge archaeol. proj, Works Prog. Admin, Tenn, 35-36; res. assoc. phys. anthrop, mus. anthrop, Michigan, 37-42; from asst. prof. to ASSOC. PROF. ANTHROP. INDIANA, 42- Anthrop. Asn; Soc. Archaeol; Asn. Phys. Anthropol. Racial history of the American Indian; comparative and human anatomy; American archaeology. Address: Dept. of Anthropology, Indiana University, Bloomington, Ind. 47405.

NEUMANN, PROF. ROBERT G(ERHARD), b. Vienna, Austria, Jan. 2, 16. POLITICAL SCIENCE. Dipl. Rennes, 36; B.A. & dipl. Vienna, 38; A.M. Amherst Col, 40; Ph.D. Minnesota, 46. Mem. faculty, Wis. State Teachers Col.(Oshkosh), 41-42; lectr, Wisconsin, 46-47; asst. prof. POLIT. SCI, CALIFORNIA, LOS ANGELES, 47-52, assoc. prof, 52-58, PROF, UNIV. & DIR, INST. INT. & FOR. STUDIES, 58- Soc. Sci. Res. Coun. & Haynes Found. fcls, 50-51; guest prof, Vienna & Munich, 51; Fulbright lectr, Univs. Bordeaux & Strasbourg, France, 54-55; vis. lectr, Univs. Madrid, Paris, Brussels, Saar & Munich, 54-55. Consult, Secy. Defense Int. Security Affairs, 62-; policy planning coun, Dept. State, 63-; Ford Found, 64- Sponsor, Atlantic Coun. U.S. Knight's Cross, Legion of Honor, 57; Officers Cross, Order Merit Fed. Repub. Germany, 63. U.S.A. 42-46, Lt. Inst. Strategic Studies. Publ: European and comparative government. Address: Dept. of Political Science, University of California, Los Angeles, Calif. 90024.

NEUMANN, DR. SIGMUND, Govt, see 10th ed, Soc. & Behav. Vols, deceased.

NEUMEIER, CLARENCE E(LMER), b. Gladbrook, Iowa, Oct. 8, 07; m. 42. ECONOMICS. B.S. Whitman Col, 29. Sci. aide, bur. agr. econ, U.S. Dept. Agr, D.C. 30-33, agr. economist, Pa. & Iowa, 34-38, clerk, D.C. & Calif, 37-46; statistician & clerk, U.S. Forest Serv, Calif, 47; agr. economist, Bur. Reclamation, 48; corps engrs, U.S. Dept. Army, 48-65; RETIRED. Econ. Asn. Flood damage appraisals; benefits; economic development. Address: 507 Storm St, Walla Walla, Wash. 99362.

NEUMEYER, DR. MARTIN H(ENRY), b. Jackson, Mo, Oct. 8, 92. SOCIOLOGY. A.B. DePauw, 19; B.D. Garrett Theol. Sem, 21; A.M. Northwestern, 22; Ph.D. Chicago, 29. Instr, Chicago Training Sch, 23-27; asst. prof. SOCIOL, SOUTHERN CALIFORNIA, 27-31, assoc. prof, 31-38, prof, 38-62, head dept, 54-58, EMER. PROF, 62- Ed, J. Sociol. & Soc. Res. Sociol. Asn; Soc. Study Social Probs. Juvenile delinquency; social aspects of recreation; radio and television. Publ: Juvenile delinquency in modern society; Social problems and the changing society; co-auth, Leisure and recreation. Address: 4707 S.Keniston Ave, Los Angeles, Calif. 90043.

NEURATH, PROF. PAUL M, b. Vienna, Austria, Sept. 12, 11. SOCIOLOGY, STATISTICS. Dr. jur, Vienna, 37; fel, Columbia, 42-43, Ph.D. 51. Asst. off. radio res, Columbia, 41-44, asst. statist, 42-46; from instr. to PROF. SOCIOL. & STATIST, QUEENS COL.(N.Y.), 46- Instr, City Col. New York, 43-46; from vis. lectr. to vis. prof, grad. faculty, New Sch. Soc. Res. 49-; Fulbright grant, India, 55-57, Germany, 59-60; vis. prof, Vienna, 61, 62; summers, vis. prof, Washington (Seattle), 51, res. consult, All India Radio, Delhi, India, 62. Sociol. Asn; Statist. Asn; Economist. Soc; Psychomet. Soc; Pop. Asn; Inst. Math. Statist. Social life among prisoners in German concentration camps Dachau and Buchenwald. Publ: Co-auth, Indian experiment in radio farm forums; Radio farm forum in India; Rechnerische Grundlagen fuer die Statistische Ausbildung von Soziologen. Address: Dept. of Anthropology & Sociology, Queens College, Flushing, N.Y. 11367.

NEUSTADT, PROF. RICHARD E(LLIOTT), b. Philadelphia, Pa, June 27, 19; m. 45; c. 2. POLITICAL SCIENCE. A.B. California, 39; fel. & M.A. Harvard, 41, Ph.D.(polit. econ, govt), 51. Asst. economist, Off. Price Admin, 41-42; asst. to dir, U.S. Bur. Budget, 46-50; spec. asst, White House, 50-53; asst. prof. pub. admin, Cornell, 53-54; GOVT, Columbia, 54-57, assoc. prof, 57-61, PROF, 61-65; HARVARD, 65-, ASSOC. DEAN, KENNEDY SCH. GOVT. & DIR. INST. POLIT, 65- Vis. prof, Nuffield Col, Oxford, 61-62. Consult, U.S. Senate Subcom. Nat. Policy Machinery, 59-61; consult. to dir, U.S. Bur. Budget, 61-; the President, 61-67; Rand Corp, 64- Mem. adv. bd, Cmn. Money & Credit, 60-61; mem, Coun. For. Rels; trustee, John F. Kennedy Library, Inc; Inter-Univ. Case Prog. Woodrow Wilson Found. award, 60. U.S.N.R. 42-46, Res. 46-57, Lt. Polit. Sci. Asn; Philos. Soc; fel. Am. Acad. Arts & Sci. American national government; relations between politicians and technicians. Publ: Presidential power; Presidency and legislation, Am. Polit. Sci. Rev. Address: 10 Traill St, Cambridge, Mass. 02138.

NEUTS, DR. MARCEL F(ERNAND), Statist, see 11th ed, Phys. & Biol. Vols.

NEUWELD, DR. MARK, b. Lwow, Poland, June 28, 21; nat; m. 53; c. 3. POLITICAL SCIENCE. Ph.B. Northwestern, 49; fel, Russian Res. Center, Harvard, 49-53, A.M. 50, Ford Found. fel, 54-55, Ph.D.(polit. sci), 56. Instr. polit. sci, Western Reserve, 53-54, asst. prof, 55-56; lectr. govt, Columbia, 56-57; polit. scientist, Syst. Develop. Corp, Calif, 58-64; lectr. POLIT. SCI, California, Santa Barbara, 64-66; ASSOC. PROF, NEW MEXICO, 66- Summer vis. assoc. prof, California, Berkeley, 67. Consult, Inst. Human Rels, 56-60. Polit. Sci. Asn; Asn. Adv. Slavic Studies. Soviet Union; Eastern Europe; comparative government; international relations; inter-relationship between organizational structure and the decision making process. Publ: Origin of Communist Control Commission, Am. Slavic & E. European Rev; Latest Soviet census, Commentary; contrib, Current Soviet policies, Vols. III & IV. Address: Dept. of Political Science, University of New Mexico, Albuquerque, N.Mex. 87106.

NEUWIRTH, SIDNEY I, b. New York, N.Y. Apr. 23, 28; m. 53; c. 2. OPERATIONS ANALYSIS. B.S. N.Y. Univ, 49, M.S. 51; Chicago & Columbia, 51-56. Chief res. statistician, Schering Corp, N.J. 49-53; asst. to res. dir, Am. Med. Asn, Ill, 53-54; chief statistician, Mutual Ins. Adv. Asn, N.Y. 54-56; mgr. ops. res, Johnson & Johnson, N.J. 56-59; Radio Corp. Am, 59-61; dir, Lybrand Ross Bros. & Montgomery, New York, 61-66; DIR. MGT. RES. SERV, EASTMAN DILLON UNION SECURITIES & CO, NEW YORK, 66- Adj. asst. prof, grad. sch. bus, Rutgers, 66- Consult, Norwich Pharmacol Co, 53-56. Ops. Res. Soc; Statist. Asn; Soc. Qual. Control; Inst. Mgt. Sci; Inst. Math. Statist. Industrial operations research; electronic data processing. Publ: Operations research for management; co-auth, Introduction to PERT, J. Accountancy, 64; Scientific credit scoring systems, Mgt. Serv, 65. Address: 26 Gulf Rd, East Brunswick, N.J. 08816.

NEVILLE, DR. DONALD D(EAN), b. Canton, Ohio, Dec. 17, 28; m. 51; c. 3. PSYCHOLOGY, EDUCATION. B.S. Kent State, 50, M.Ed. 53; Ed.D. Florida, 61. Teacher, pub. schs, Ohio, 50-56; superv. remedial ed, Tampa, Fla, 56-57; asst. prof. ED. & PSYCHOL. & assoc. dir. CHILD STUDY CENTER, GEORGE PEABODY COL, 60-62, ASSOC. PROF. & DIR, 62- Vis. prof,

- Texas, summer, 65. Consult, Nashville Ed. Improv. Proj, 65-; state membership chmn, Coun. Except. Children. U.S.A.A.F, 44-47. Ed. Res. Asn; Psychol. Asn; Personnel & Guid. Asn; Nat. Soc. Study Ed; Nat. Ed. Asn. Remedial reading; anxiety and school achievement. Publ: Learning characteristics of poor readers as revealed by the results of individually administered intelligence tests, *Vistas in Reading*, 11th yearbook, Int. Reading Asn. Conf. Proc, 66; co-auth, A study of the relationship between test anxiety and silent reading gains, *Am. Ed. Res. J.*, 4: 45-50 & The effect of non-promotion on second graders, *J. Ed. Res.*, 60: 472-75. Address: Child Study Center, Box 158, George Peabody College for Teachers, Nashville, Tenn. 37203.
- NEVILLE, DR. MELVIN K, b. Evanston, Ill, Jan. 5, 39; m. 64; c. 1. ANTHROPOLOGY. B.S. Calif. Inst. Tech, 56-60; Nat. Sci. Found. fel, Harvard, 60-61, A.B., 61, univ. fel, 61-66, Nat. Inst. Ment. Health fel, 64-66, Ph.D.(anthrop), 67. ASST. PROF. ANTHROP, CALIFORNIA, DAVIS, 66-, faculty summer fel, 67 & faculty res. fel, 67-68. AAAS; Ecol. Soc. Am; Asn. Phys. Anthropol. Primatology, especially primate behavior. Publ: Ecology and activity of Himalayan foothill rhesus monkeys, *Macaca mulatta*, Ecology, (in press). Address: Dept. of Anthropology, University of California, Davis, Calif. 95616.
- NEVIN, DR. JOHN A, b. New York, N.Y., July 5, 33; m. 60; c. 4. PSYCHOLOGY. B.E. Yale, 54; M.A., Columbia, 61, Ph.D.(psychol), 63. Asst. prof. PSYCHOL, Swarthmore Col, 63-68; assoc. prof, Columbia, 68- U.S.C.G, 54-59, Res, 59-64, Lt. Psychol. Asn. Operant conditioning, especially schedules of reinforcement and discrimination; psychophysics; learning theory. Address: Dept. of Psychology, Columbia University, New York, N.Y. 10027.
- NEVIS, DR. EDWIN C, Psychol, see 10th ed, Soc. & Behav. Vols.
- NEVISON, DR. MYRNE B(URDETT), b. Calgary, Alta, Dec. 2, 16. COUNSELING, EDUCATIONAL PSYCHOLOGY. B.A. British Columbia, 39; Ph.D., Minnesota, 57. Teacher, pub. sch, 40-48, counsr, 48-53; Minnesota, 53-57; asst. prof. ed. psychol, Colo. State Col, 57-60; ed. psychol. & counseling, BRITISH COLUMBIA, 60-63; ASSOC. PROF. COUNSELING PSYCHOL, 63-Ed, Can. Counsr, 67-69. Psychol. Asn; Personnel & Guid. Asn; Can. Guid. & Counseling Asn.(v.pres, 67-69). Group counseling process. Address: Faculty of Education, University of British Columbia, Vancouver 8, B.C., Can.
- NEW, DR. EARL H(IRAM), Ornamental Hort, see 11th ed, Phys. & Biol. Vols.
- NEW, DR. PETER KONG-MING, b. Shanghai, China, Mar. 23, 28; nat; m. 56. SOCIOLOGY. B.A. Dartmouth Col, 48; M.A., Missouri, 53, Ph.D., 60; Metrop. Community Sem. fel, Michigan, 53-54, Soc. Sci. Res. Coun. fel, 55-56. Instr. sociol, Nat. Med. Col, Shanghai, 48-49; asst. & instr. Missouri, 51-56; prof. dir. res, Community Studies, Inc, 56-60; fel, Harvard, 60-61; asst. prof. SOCIOL, grad. sch. pub. health, Pittsburgh, 61-65; SCH. MED, TUFTS, 65-66, ASSOC. PROF. 66- Sociol. Asn; Pub. Health Asn; Soc. Appl. Anthropol. Rehabilitation; occupations and professions; methodology. Publ: Osteopathic student: a study in dilemma, In: Patients, physicians and illness; co-auth, Alienation and communication among urban renovators, *Human Orgn*, 66; Organization under stress: an analysis of local boards of health, *J. Health & Human Behav*, 66. Address: 1476 Beacon St, Brookline, Mass. 02146.
- NEWARK, PROF. CHRISTINE, b. Charlotte, Mich, Feb. 14, 09. HOME ECONOMICS. B.S. Mich. State Col, 30; M.A., Columbia, 37; Ph.D.(consumption econ), Iowa State Col, 45. Teacher home econ, Kellogg Agr. Sch, Mich, 30-34; Wilson Voc. Sch, 34-38; instr. & asst. prof, Okla. Agr. & Mech. Col, 38-41; asst. Iowa State Col, 41-43, res. assoc. consumption econ, 43-45; asst. prof. home econ, OHIO STATE, 45-47, chmn. home mgt. & family econ. div, sch. home econ, 45-61, assoc. prof, 48-53, prof, 53-67, EMER. PROF. HOME ECON, 67- Econ. Asn; Home Econ. Asn; Rural Sociol. Soc. Home management; family economics. Address: 45 W. Beaumont Rd, Columbus, Ohio 43214.
- NEWBERG, DR. RICHARD R(ANDOLPH), b. St. James, Minn, June 3, 26; m. 51; c. 3. AGRICULTURAL ECONOMICS. B.A., Minnesota, 49, M.A., 50, Ph.D.(agr. econ), 54. Asst. agr. econ, Minnesota, 50-52, instr. 52-53; asst. prof, S.Dak. State Col, 53-55, assoc. prof, 55-56, agr. economist, agr. exp. sta, 53-56; assoc. prof. agr. econ, Ohio State, 56-60, prof, 60-62; DIR. AGR. & RURAL DEVELOP. OFF, U.S. AGENCY INT. DEVELOP. MISSION TO BRAZIL, 62- Agr. economist, Ohio Exp. Sta, U.S. Dept. Agr, 56-62. Consult, Agency Int. Develop, Latin Am. Mem. Int. Conf. Agr. Econ. U.S.N. 44-46, Res, 46- Agr. Econ. Asn; Statist. Asn. Marketing of agricultural products; agricultural prices and statistics. Address: Agriculture & Rural Development Office, U.S. Agency for International Development, APO New York 09676.
- NEWBIGGING, PROF. P(ERCY) LYNN, b. Davidson, Sask, Apr. 14, 25; m. 49; c. 3. PSYCHOLOGY. B.A., Saskatchewan, 48; M.A., Toronto, 50; Soc. Sci. Res. Coun. Can. fel, London, 51-52, Ph.D.(psychol), 52. Asst. prof. PSYCHOL. & acting head dept, Acadia, 52-53; asst. prof, New Brunswick, 53-55; McMASTER, 55-59, assoc. prof, 59-64, PROF, 64- CHMN. DEPT, 58-64, 68-Am. Psychol. Asn; Psychonomic Soc; Can. Psychol. Asn.(pres, 64-65, ed, Can.J. Psychol, 65-). Perception. Publ: Co-auth, The practice effect in recognition threshold determinations as a function of word frequency and length, *Can. J. Psychol*, 62 & Decrement of the Müller-Lyer illusion as a function of psychophysical procedure, *Am. J. Psychol*, 65; auth, Attention and perceptual learning, *Can. Psychologist*, 65. Address: Dept. of Psychology, McMaster University, Hamilton, Ont, Can.
- NEWBOLT, PROF. WILLIAM E(DGAR), b. Owensboro, Ky, Oct. 16, 99. ECONOMICS. B.S., Georgetown Col, 23; Northwestern; A.M., Kentucky, 32; Indiana, 49. Instr. Eng, Georgetown Col, 26-30; supt. schs, Berea, Ky, 30-35; instr. ECON. & BUS, BEREA COL, 35-40, asst. prof, 40-49, assoc. prof, 49-55, prof, 55-67, chmn. dept, 53-67, EMER. PROF, 67- Address: Dept. of Economics & Business, Berea College, Berea, Ky. 40403.
- NEWBROUGH, DR. J(OHN) R(OBERT), b. Twin Falls, Idaho, May 30, 34; m. 55; c. 3. PSYCHOLOGY. B.A., Col. Idaho, 55; M.A., Utah, 56, Ph.D., 59. Trainee clin. psychol, Vet. Admin. Hosp, Salt Lake City, Utah, 56-59; res. fel. community ment. health, psychiat. serv, Mass. Gen. Hosp. & Harvard Med. Sch, 59-60; staff psychologist clin. psychol. & community res, ment. health study center, Nat. Inst. Ment. Health, 60-61, proj. dir, 61-64, chief community projs, 65-66; ASSOC. PROF. PSYCHOL, GEORGE PEABODY COL, 66- Asst, Utah, 58-59. Consult, State Indust. Sch, 58-59; consult. & res. contractor, Nat. Adv. Cmn. Civil Disorders, 67-68. Coordinator center community studies & secy. coord. cmt, John F. Kennedy Center Res. on Ed. & Human Develop, George Peabody Col, 66- AAAS; Psychol. Asn; Soc. Study Social Probs; Soc. Psychol. Study Social Issues. Relationship of mental health problems and services to the social, psychological, sociological, cultural and political aspects of local living areas. Publ: Community mental health and social psychiatry: a reference guide; auth. & ed, U.S. national clearinghouse on mental health information, community mental health: individual adjustment or social planning?, *Nat. Inst. Ment. Health*, 66; co-auth, Previous conferences on graduate education in psychology, In: *The clinical psychologist, readings...*, Aldine, 67. Address: George Peabody College, Box 512, Nashville, Tenn. 37203.
- NEWBURGER, DR. M(AURICE), b. Cincinnati, Ohio, Aug. 16, 12; m. 39; c. 2. PSYCHOLOGY. B.A., Cincinnati, 36, M.A., 37, scholar, 36-39, Ph.D.(psychol), 39. Teacher & psychologist, Cincinnati Bd. Ed, 39-40; psychologist, Franklin County Court of Domestic Rels, Ohio, 40-41; bur. juvenile res, Dept. Pub. Welfare, 41-47, exec. psychologist, 47-55; PSYCHOLOGIST, SEN-ECA COUNTY, 55- Lectr, Bowling Green State, 42-47; Ohio State, 48-55. Psychologist, Sandusky Co, Ohio, 56-60. Consult, Betty Jane Mem. Rehab. Center, 57- Fel. Psychol. Asn; Acad. Relig. & Ment. Health. Mental fatigue; maladjusted school children; psychological services at community level; scale of intellectual function. Publ: Relative importance of homogeneity and difficulty in the development of mental fatigue at two different levels of intelligence, *J. Appl. Psychol*; School practices and problems of children, *Ed. Forum*; The school and the maladjusted child, In: *Understanding the child*. Address: Seneca County Juvenile Court & Schools, Tiffin, Ohio 44883.
- NEWBURY, PROF. EDWARD, b. Dallas, Tex, Jan. 17, 04; m. 37; c. 3. PSYCHOLOGY. B.A., Texas, 26; M.A., Princeton, 30, Ph.D.(psychol), 61. Asst. instr. PSYCHOL, Princeton, 28-30; instr. KENTUCKY, 30-37, asst. prof, 37-61, ASSOC. PROF, 61- Fel. Psychol. Asn. Logical analysis of systematic psychological concepts; animal-behavior experimentation in activity, work and fatigue, stress and drugs. Publ: The significance of assumptive and philosophic operations in psychological methodology; Body temperature and work decrement in rats under cold stress; Teleology and determinism in motivational concepts. Address: Dept. of Psychology, University of Kentucky, Lexington, Ky. 40506.
- NEWBY, PROF. HAYES A(UGUSTUS), Audiol, Speech Path, see 11th ed, Phys. & Biol. Vols.
- NEWCOMB, DR. RICHARD THOMAS, Mineral Economics, see 11th ed, Suppl. IV to Phys. & Biol. Vols.
- NEWCOMB, DR. ROBINSON, b. Thompson, Ohio, Aug. 30, 01; m. 29; c. 2. ECONOMICS. A.B. & M.A., Oberlin Col, 24; Eastman & Rockefeller fels; Ph.D.(econ), Brookings Inst, 28. Construct. economist, U.S. Dept. Commerce, 28-39; economist, Off. Secy. Commerce, 39-44; dir. construct. res, War Prod. Bd, 40-45; dir. off. econ. res. & statist. & econ. adv. to adminstr, Fed. Works Agency, 45-47; economist, coun. econ. adv, Exec. Off. President, 47-50; Off. Secy. Commerce, 50-51; Off. Defense Mobilization, 51-53; ECON. CONSULT, ROBINSON NEWCOMB ASSOCS, 53- Mem. div. eng. & indust. res. & dir. bldg. res. adv. bd, Nat. Res. Coun, chmn. bd, 66-68, mem. urban tech. cmt, 68- Statist. Asn; Asn. Bus. Econ. Capital formation; construction; transportation. Publ: Modern industrial organization; Stabilizing construction; Forecasting construction, Prentice-Hall, 66. Address: 1328 Beulah Rd, Vienna, Va. 22180.
- NEWCOMB, PROF. THEODORE M(EAD), b. Rock Creek, Ohio, July 24, 03; m. 31; c. 3. PSYCHOLOGY. A.B., Oberlin Col, 24, hon. D.Sc. 64, Ph.D. (psychol), 29. Asst. ed. psychol, Columbia, 28-29; asst. prof, Lehigh, 29-30; Cleveland Col, 30-34; teacher, Bennington Col, 34-41; assoc. prof. sociol, MICHIGAN, 41-46, PROF. SOCIOL. & PSYCHOL, 46- Psychologist, Cleveland Child Guid. Clin, 30, 34; from analyst to chief analyst, for. broadcast intel. serv, Fed. Commun. Cmn, 42-44; dir. res. morale div, Strategic Bombing Surv, 45; Fulbright res. fel, London, 51-52; fel, Center Adv. Study Behav. Sci, 56-57; Guggenheim fel, 59-60. Fel. Psychol. Asn. (ed, *Psychol. Rev*, 54-58, pres, 55); Sociol. Asn; fel, Am. Acad. Arts & Sci. Personality and attitude change; group membership and attitude formation; communicative behavior. Publ: Personality and social change; Social psychology; Acquaintance process. Address: Dept. of Psychology, University of Michigan, Ann Arbor, Mich. 48104.
- NEWCOMB, DR. WILLIAM W(ILMON), JR, b. Detroit, Mich, Oct. 30, 21; m. 46. ANTHROPOLOGY. A.B., Michigan, 43, M.A., 47, fels, 50, 52, Ph.D., 53. Instr. anthrop, Tex, 47-49, 51; asst. prof. anthrop. & sociol, Colgate, 53; anthropologist, TEX. MEM. MUS, 54-57, DIR, 57- Prof, Texas, Austin, 62-, dir. Tex. Archeol. Salvage Proj; Nat. Sci. Found. grant, 65-66. U.S.A., 43-46. Fel. Anthropol. Asn; Asn. Mus. Plains Indian; Delaware Indian ethnography and acculturation; Pan-Indianism; Texas Indian ethnohistory; pictographs and petroglyphs of North American Indians. Publ: The culture and acculturation of the Delaware Indians, *Anthropol. Papers, Mus. Anthropol. Univ. Michigan*, 56; The Indians of Texas, from prehistoric to modern times, 61 & co-auth, The rock art of Texas Indians, 67. Address: 6206 Shoal Creek Blvd, Austin, Tex. 78757.
- NEWCOMER, DR. CHARLES ALFRED, b. Williamsport, Pa, Aug. 26, 32; m. 56; c. 2. PSYCHOLOGY, EDUCATION. B.S., Susquehanna, 54; Ed.M., Temple, 59, Ed.D.(psychol), 66. Teacher, high sch, Pa, 56-59; Milton Hershey Sch, 59-61, admin. asst, 61-62, sch. psychologist, 62-66; ASSOC. PROF. PSYCHOL, LOCK HAVEN STATE COL, 66- Consult, Proj. Head Start, 66-

U.S.A. 54-56. Psychol. Asn; Nat. Soc. Study Ed. Attitudes, values, early childhood development and education. Address: Dept. of Psychology, Lock Haven State College, Lock Haven, Pa. 17745.

NEWCOMER, PROF. HALE A. b. Champaign, Ill, Mar. 20, 29; m. 62; c. 2. INTERNATIONAL BUSINESS, MARKETING. B.S. Illinois, 51, Ph.D.(bus), 57; M.B.A. Texas, 53. Asst. prof. mkt. Washington (Seattle), 56-58; bus, Missouri, 58-62; from associate prof to PROF. MKT & INT. BUS, KENT STATE, 62- Mkt. Asn. International market research methodology. Publ: International aids to overseas investment and trade, Bur. Bus. Res, Kent State Univ, 64; Should comparative marketing be included in international distribution curriculae, Winter Conf. Proc. Am. Mkt. Asn, 62; Some aspects of scientific sales forecasting, Southwest. Soc. Sci. Quart, 66. Address: Dept. of Marketing, Kent State University, Kent, Ohio 44240.

NEWCOMER, PROF. HALE L(LOYD), b. Chicago, Ill, Aug. 19, 02; m. 26; c. 1. ACCOUNTING. A.B. Illinois, 24; B.S. 25, M.S. 30, Ph.D. 39. Asst. ACCT, ILLINOIS, URBANA, 25-28, instr. 28-35, assoc. 35-37, asst. prof. 37-45, assoc. prof. 45-49, prof. 49-63, EMER. PROF. 63- Pub. acct. E.J. Filbey, 26-35; Cardinal Art & Lamp Co, 36; sr. cost acct, War Prod. Bd. & Off. Price Admin, 42. Am. Acct. Asn.(v.pres, 49). Accounting theory; advanced accounting problems. Address: Dept. of Accounting, University of Illinois, Urbana, Ill. 61801.

NEWCOMER, PROF. MABEL, b. Oregon, Ill, July 2, 91. ECONOMICS. A.B. Stanford, 13, A.M. 14; Ph.D. Columbia, 17. Instr. ECON, VASSAR COL, 17-18, asst. prof. 18-20, assoc. prof. 20-26, prof. 26-57, EMER. PROF. 57-, chmn. dept. econ. & sociol. 32-57. Spec. investr, State Joint Cmt. Taxation & Retrenchment, N.Y., 21-22, 23-24, 25-26, State Cmn. Revision Tax Law, 31-32, State Cmn. State Aid, 35-36; economist, Ed. Finance Inquiry, 22-23; State Tax Cmn, Calif, 38-39. Consult, Adv. Cmt. Ed. & State Joint Legis. Cmt. Fiscal Policies, N.Y. 37; consult. expert, U.S. Treas. Dept, 41-42; chief tax consult, U.S. Mil. Govt, Germany, 46-47. U.S. Del. Bretton Woods Conf, 44. Econ. Asn.(v.pres, 46); Finance Asn.(v.pres, 50); Tax Inst. Public finance. Publ: Taxation and fiscal policy; Big Business executive; Century of higher education for American women. Address: 20218 Blauer Dr, Saratoga, Calif. 95070.

NEWCOMER, DR. RICHARD S, b. Reading, Pa, Dec. 13, 12; m. 52; c. 3. POLITICAL SCIENCE, SOCIOLOGY. B.S. Ursinus Col, 32; M.A. Duke, 35, Ed.D.(polit. sci. admin), 52; Texas, Austin, 37-39; Chicago, 41-43 & 46-47. Assoc. prof. hist, Hardin-Simmons, 42-43; asst. prof, Indiana & Purdue, 46-49; ed, Duke, 49-52; assoc. prof. polit. sci, hist. & sociol, Maryland, overseas, 52-53; self employed, 53-59; ed. specialist, Testing & Surv. Serv, 59-63; ASSOC. PROF. HIST. & POLIT, CAMPBELL COL, 63- Res. asst. to Dr. Welb, pres, Am. Hist. Soc, 56-60; traveling fel, Int. Col. Copenhagen, Denmark, 66-67; prof, Moncton, 67-68. Am. Red Cross Serv, S.W. Pac. & Asia, 39-46, Capt. Soc. Polit. Sci. Methods of teaching social science; social psychology. Address: Campbell College, Buie's Creek, N.C. 27506.

NEWELL, PROF. A(LLEN), b. San Francisco, Calif, Mar. 19, 27; m. 47; c. 1. ENGINEERING PSYCHOLOGY. B.S. Stanford, 49; Princeton, 49-50; Ph.D. (indust. admin), Carnegie Inst. Tech, 57. Res. scientist, Rand Corp, 50-61; inst. prof. SYSTS. & COMMUN. SCI, CARNEGIE-MELLON UNIV, 61-67, UNIV. PROF. 67-, lectr, 57-61. U.S.N. 45-46. AAAS; Psychol. Asn; Asn. Comput. Mach; Inst. Mgt. Sci; Inst. Elec. & Electronics. Eng. Computer programs that exhibit intelligence; simulation of human cognitive processes on computers; computer languages and design. Publ: Ed, Information processing language V manual; co-auth, Computer simulation of human thought, Science; co-auth, Some issues of representation in a general problem solver, Proc. Spring Joint Comput Conf, 5/67. Address: 5824 Northumberland St, Pittsburgh, Pa. 15217.

NEWELL, PROF. BARBARA WARNE, b. Pittsburgh, Pa, Aug. 19, 29; m. 56. LABOR ECONOMICS. A.B. Vassar Col, 51; Wells fel. from Vassar Col, Wisconsin, 51, M.A. 53, Ph.D. 58. Intern. Nat. Labor Rels. Bd. D.C. 49; asst. sch. for workers, Wisconsin, 51-52, asst. econ. univ, 52-54; asst. inst. labor & indust. rels, Illinois, 54-56, econ. univ, 57-58; res. assoc. Bur. Econ. & Bus. Res, 58-59; from asst. prof. to assoc. prof, Purdue, 59-65; asst. to chancellor, Wisconsin, 65-67; ASSOC. PROF. ECON. & ASST. TO PRES, MICHIGAN, 67- Econ. Asn; Indust. Rels. Res. Asn. Labor economics; academic administration. Publ: Chicago and the labor movement; co-auth, Our labor force, workers, wages and union, Curriculum Resources. Address: 1611 E. Stadium Blvd, Ann Arbor, Mich. 48104.

NEWELL, DR. JOHN MICHAEL, b. Concord, N.H. Feb. 7, 26; m. 52; c. 3. EDUCATIONAL PSYCHOLOGY. B.A. Yale, 50; M.A. Southern Methodist, 51; Ph.D.(ed. psychol), Texas, 59. Teacher, Harvey Sch, N.Y. 51-53; asst. ed. psychol, Texas, 55-59; proj. assoc. teacher ed. & res. proj, Wisconsin, 59-62; asst. prof. ED, Tufts, 62-67; ASSOC. PROF. FLORIDA, 67- U.S.N. 44-46. Psychol. Asn. Study of communication patterns of elementary school teachers as these patterns are related to learning of the pupils. Publ: Analysis of classroom patterns of communication, Psychol. Reports; Attempt to quantify the abstraction ladder concept, J. Commun; Analysis of classroom interaction through communication behaviors, J. Exp. Ed. Address: College of Education, University of Florida, Gainesville, Fla. 32601.

NEWELL, DR. LAURA, Phys. Anthropol, see 11th ed, Phys. & Biol. Vols.

NEWELL, S(TERLING) R(UFFIN), Econ, see 10th ed, Soc. & Behav. Vols.

NEWHALL, DR. S(IDEY) M(ERRITT), b. Wilbraham, Mass, May 21, 96; m. 40. PSYCHOLOGY. B.S. Wesleyan, 19, A.M. 21; fel, Columbia, 22-23, Ph.D.(psychol), 23. Instr. psychol, Yale, 23-27, asst. prof, 27-35, Sterling fel, 34-35; lectr, Hopkins, 35-36, fel, 36-37, assoc, 37-42; supvr. ment. tests in recruiting stas, Adj. Gen. Dept, U.S. Army, 42-43; fire control res, sci. bur, Bausch & Lomb Optical Co. & Armored Force Bd, Ft. Knox, Ky, 43; res. dept, Foxboro Co, 43-44, tech. dir. fire control lab, 44-45; sr. res. psychologist, color tech. div, Eastman Kodak Co, 46-56, visual consult, 57-61; RETIRED. Statist. analyst, Am. Youth Cmn, 36-37; pres, Munsell Color Co, Inc, 55-62; consult. & res. assoc, Rochester, 47-62. Inter-Soc.

Color Coun; fel. Psychol. Asn; fel. Optical Soc. Color vision; color appearance specification; visual terminology. Publ: Co-auth, Science of color, Crowell, 53; Final report of the O.S.A. subcommittee on the spacing of the Munsell colors, J. Optical Soc. Am, 9/43; auth, Colour impact, In: Focal Encyclop. Photog, Focal, London, 56. Address: Route 1, Long Lake, Minn. 55356.

NEWHILL, PROF. ESKO E(NSIO), b. New York, N.Y. Apr. 18, 18; m. 41; c. 2. SOCIOLOGY. Assoc. prof. SOCIOL. W. Liberty State Col, 50-55; PROF, Slippery Rock State Col, 55-60; INDIANA UNIV. PA, 60-, chmn. dept, 65-67. Participant, faculty insts, Regional Coun. Int. Ed, 67-69. Mem. world cultures adv. cmt. WPSX-TV, Pa. State. Sociol. Asn; Acad. Polit. & Soc. Sci. Racial and cultural minorities; juvenile delinquency; criminology. Publ: An introduction to world cultures, 63; Social role and prestige of the public school teacher in the social structure. Address: Dept. of Sociology & Anthropology, Indiana University of Pennsylvania, Indiana, Pa. 15701.

NEWKIRK, PROF. WAYNE E, b. Lamont, Okla, Sept. 11, 33; m. 52; c. 5. ECONOMICS, LABOR ECONOMICS. B.S. Okla. State, 56, M.S. 57; Ph.D. (econ), La. State, 65. Asst. prof. ECON, Southeast. La. Col, 59-63; Willamette, 63-64; East. Wash. Col, 64-65; ASSOC. PROF, Memphis State, 65-67; DRAKE, 67- Sig.C, U.S.A. 57-58, 1st Lt. Econ. Soc. Labor and public policy; labor markets; public regulation of business. Address: Dept. of Economics, Drake University, Des Moines, Iowa 50311.

NEWLAND, PROF. CHESTER ALBERT, b. Kansas City, Kans, June 18, 30. GOVERNMENT, PUBLIC LAW. B.A. North Texas State, 54; M.A. Kansas, 55, Ph.D.(polit. sci), 58. Asst. instr. polit. sci, Kansas, 55-58; res. training fel, Soc. Sci. Res. Coun, 58-59; dir. & instr. inst. govt, Idaho State Col, 59-60; asst. prof. govt, North Texas State, 60-62, assoc. prof, 62-63, prof. & dir, 63-66; vis. prof. pub. admin, Southern California, 66-67; prof. polit. sci, Houston, 67-68; PROF. PUB. ADMIN, SOUTHERN CALIFORNIA, 68- Summer, Soc. Sci. Res. Coun, fel, inst. judicial process, Wisconsin, 58-59. Participant, U.S. Civil Serv. Cmn. Mgt. seminars, 63-68; consult, State Dept. Gen. Serv, Calif, 66-68. U.S.A.F., 48-52, S/Sgt. Polit. Sci. Asn; Acad. Polit. & Soc. Sci; Soc. Pub. Admin; Pub. Personnel Asn; Soc. Personnel Admin; Int. City Mgr. Asn. Public employee conduct and rights; collective bargaining; management systems; judicial organization and administration; professional and union organization of public employees. Publ: Trends in public employee unionization, J. Polit, 8/64; Federal employee conduct and financial disclosure, Record, Asn. of Bar, New York, 3/67; Collective bargaining: applications in governments, Pub. Admin. Rev, spring 68. Address: School of Public Administration, University of Southern California, Los Angeles, Calif. 90007.

NEWLAND, PROF. T. ERNEST, b. Cincinnati, Ohio, June 3, 03; m. 46; c. 2. PSYCHOLOGY. A.B. Wittenberg Col, 25; A.M. Ohio State, 29, Ph.D.(psychol), 31. Asst. prof. psychol, Kans. State Teachers Col, Emporia, 27-28; asst, Ohio State, 28-31; from asst. prof. to assoc. prof. ed, Bucknell, 31-37; chief div. spec. ed, State Dept. Pub. Instruction, Pa, 37-42; assoc. dir. dept. mil. psychol. & leadership, U.S. Mil. Acad, 46-48; prof. psychol. & dir. clin. Tennessee, 48-51; from assoc. prof. to PROF. ED. PSYCHOL, ILLINOIS, URBANA, 51- Clin. psychol. consult, Vet. Admin, Ga, 48- Treas. Coun. Except. Children, 39, pres, Asn. Educators Gifted Children, 61. Mem. psychol. panel, Off. Voc. Rehab, D.C. 63-67; field selection officer, Peace Corps, 63-; mem, Nat. Coun. Measurement in Ed, 65- Dipl. Am. Bd. Exam. Prfln. Psychol, 50. U.S.N.R. 42-46, Comdr; U.S.A. 46-48, Lt. Col. AAAS; fel. Psychol. Asn. Psychological evaluation of exceptional children; psychology of the handicapped; concept development. Publ: The blind learning aptitude test, Proc. Conf. Res. Needs in Braille, Am. Found. Blind; Psychological assessment of exceptional children, In: Psychology of exceptional children and youth; Psychologists in the schools, In: The profession of psychology. Address: College of Education, University of Illinois, Urbana, Ill. 61801.

NEWLIN, PROF. ALGIE I(NNMAN), b. Snow Camp, N.C., Aug. 28, 95. POLITICAL SCIENCE, HISTORY. A.B. Guilford Col, 21; A.M. Haverford Col, 22; Hopkins, 26-27; Biddle scholar, 29; Dr. Pol. Sci, Geneva, 40; summers, Columbia, 23, California, 24, Wisconsin, 25. Prof. hist, Pacific Col, 23-24; HIST. & POLIT. SCI, GUILFORD COL, 24-66, dean of men, 24-26, EMER. PROF, 66- Dir, Friends Int. Center, Geneva, Switzerland, 47-49. Mem. Cent. Cmt. World Coun. Churches, 48-54. Am. Soc. Int. Law; Acad. Polit. & Soc. Sci; Hist. Asn. Publ: The arbitration policy of the United States since 1920; The Newlin family: ancestors and descendants of John and Mary Pyle Newlin, privately pub, 65. Address: Box 8345, Guilford College Branch, Greensboro, N.C. 27410.

NEWLING, DR. BRUCE E(DGAR), b. Derby, Eng, Apr. 12, 34; m. 66. GEOGRAPHY. B.Sc. London, 56; M.A. Northwestern, 58, Ph.D.(geog), 62. Vis. prof. geog, Pittsburgh, 62-63, res. assoc. regional econ, 63-64; vis. prof. city planning, Cornell, 65; ASST. PROF. GEOG, Rutgers, 65-67; CITY COL. NEW YORK, 67- Vis. res. assoc, sch. archit, Princeton, 67-68; prin. investr, Off. Water Resources Res. Proj, water resources res. inst, Rutgers, 66-69. Consult, State of Mich. Anti-Poverty Prog, 65. Am. Geog. Soc; Asn. Am. Geog; Regional Sci. Asn; Royal Geog. Soc; Soc. Int. Develop. Urban population densities; small-area population projections; urban population growth and urban sprawl, particularly in New Jersey and the major metropolitan areas of the United States. Publ: Population projections for Pittsburgh to 1980, City Planning Dept, Pittsburgh, 64; Urban growth and spatial structure: mathematical models and empirical evidence, Geog. Rev, 4/66; Teoria parcial del crecimiento urbano: estructura matematica e implicaciones de la planeacion, Proc. Int. Geog. Union Latin Am. Conf, 8/66. Address: Dept. of Economics, City College, Convent Ave. at 138th St, New York, N.Y. 10031.

NEWMAN, CHARLES L, b. New York, N.Y., Sept. 22, 23; m. 61; c. 3. CRIMINOLOGY. Livingston fel. & B.A. N.Y. Univ, 49, M.P.A. 50. Instr. sociol, Fairleigh Dickinson Col, 50-51; field dir, Am. Red. Cross, 52; instr. sociol. & soc. work, North Dakota, 52-55; asst. prof. soc. welfare & corrections, Fla. State, 55-59; assoc. prof. & dir. div. correctional training, Kent. Sch. Soc. Work, Louisville, 59-66; PROF. & HEAD CENTER LAW ENFORCEMENT & CORRECTIONS, PA. STATE, 66- Consult, HRR-Singer Co, 67- Mem,

- Joint Cm. Correctional Manpower & Training, 65- U.S.A., 43-46, 2nd Lt. Fel. AAAS; fel. Am. Soc. Criminol. (exec. secy, 62-66, v-pres, 67; Herbert Bloch Mem. award, 66); Nat. Coun. Crime & Delinquency; Int. Soc. Criminol.; Int. Asn. Chiefs of Police. Manpower development, education and training for the administration of justice field. Publ: Sourcebook on probation, parole and pardons, C.C. Thomas, 3rd ed, 68; co-auth. Inter disciplinary problems in criminology, Ohio State Univ, 65; auth. War on crime, Fed. Probation, 66. Address: Center for Law Enforcement & Corrections, Pennsylvania State University, University Park, Pa. 16802.
- NEWMAN, CLARENCE W (ILLIAM), b. Spring Valley, Ill, July 25, 01; m. 36; c. 3. GEOGRAPHY, ECONOMICS. A.B. Illinois, 22. Asst. prof. geog. Colorado, 23-24; geogr. Ky. Geol. Surv, 25; bus. & financial ed, Norfolk Ledger-Dispatch, Va, 27-28; spec. rep. Va. Chamber of Commerce, 28-29, dir. res, 30-45, assoc. ed, The Commonwealth, 34-37, ed, 37-45; indust. analyst, Chesapeake & Ohio Rwy. Co, 45-52, dir. indust. res, 52-66; GEOGR. CORPS ENGRS, U.S. DEPT. ARMY, 66- AAAS; fel. Am. Geog. Soc. Asn. Am. Geog. Indust. location; photomap delineation. Publ: Hampton Roads port traffic survey; Merits of Virginia for manufacture. Address: 208 W. 11th Ave, Huntington, W.Va. 25701.
- NEWMAN, PROF. DONALD J (OSEPH), b. Janesville, Wis, June 4, 24; m. 49; c. 2. SOCIOLOGY. B.S. Wisconsin, 49, M.S. 52, Am. Bar Assn. fel, 52-53, Ph.D. (sociol), 54. Instr. sociol, St. Lawrence, 53-54, asst. prof, 54-58, as-soc. prof, 58-60; res. assoc. Am. Bar Found, 60-61; Russell Sage fel. law, Wisconsin, 61-65, assoc. prof. soc. work, 61-65, PROF. soc. work & law, 65-67; CRIMINAL JUSTICE, STATE UNIV. N.Y. ALBANY, 67- U.S.A., 43-46. Sociol. Asn. Criminology; correctional administration; administration of criminal justice. Publ: Conviction: the determination of guilt or innocence without trial, Little, 66. Address: School of Criminal Justice, State University of New York at Albany, 221 Ontario St, Albany, N.Y. 12203.
- NEWMAN, DR. DOROTHY K (RALL), b. New Haven, Conn, Aug. 16, 13; m. 42; c. 2. SOCIOLOGY. B.A. Conn. Col. Women, 33; univ. scholar, Yale, 34-37, Ph.D. (sociol), 37. Instr. soc. sci, Antioch Col, 37-39; researcher, U.S. DEPT. LABOR, 39-41, economist, women's bur, 41-44, br. res. & anal, 44-51, chief, 51-63, br. price res. & pubs, div. prices & cost of living, BUR. LABOR STATIST, 63, ASST. CHIEF DIV. ECON. STUDIES, 63-, asst. chief, div. construct. statist, 56-59. Consult, Urban League, New York, 67-. Sociol. Asn; Soc. Study Social Probs; Statist. Asn; Econ. Asn; Acad. Polit. & Soc. Sci. Construction and housing economics; race and ethnic problems; urban problems; poverty; manpower issues. Publ: Co-auth. Social and economic conditions of Negroes in the United States, Bur. of Census, 67, U.S. Dept. Labor; auth. The low-cost housing market, 12/66 & The decentralization of jobs, Monthly Labor Rev, 5/67. Address: 3508 Woodbine St, Chevy Chase, Md. 20015.
- NEWMAN, DR. EDWIN B (ROOMELL), b. Baltimore, Md, July 10, 08; m. 38. EXPERIMENTAL PSYCHOLOGY. A.B. Kansas, 28, M.A. 30; Am-German exchange fel, Frankfurt & Berlin, 30-31; Ph.D. (psychol), Harvard, 34. Asst. instr. Kansas, 28-30; reader & demonstr. Bryn Mawr Col, 30-31; Nat. Res. Coun. fel. biol. sci, Harvard & Columbia, 34-35; instr. psychol, Swarthmore Col, 35-38; asst. prof, 38-46; LECTUR. PSYCHOL, HARVARD, 46- Spec. res. assoc. Harvard, 42-44, assoc. dir. psychoacoustic lab, 44-45, secy. dept. psychol, 46-48, chmn, 48-64, assoc. dir. psychol. labs, 46-63, dir, 63-65, dir. center behav. sci, 64-65. Consult, Ohio State, 51; human factors opers. res. lab, Bolling Air Force Base, 51-56; Lincoln Lab, Mass. Inst. Tech, 51-53, 59-; Illinois, 52-53; Cmt. Hearing & Bioacoustics, 52-58. Dir. Civilian Pub. Serv. Camp, Calif, 40-41; chmn, Cambridge Bd. Health & Hosps; mem, Cambridge-Somerville Ment. Health Bd. Fel. Psychol. Asn. (recording secy, 61-67); Soc. Exp. Psychol; fel. Acoustical Soc; Am. Acad. Arts & Sci. Psychology of visual perception; human and animal learning; information theory. Publ: Co-auth. The precedence effect in sound localization, Am. J. Psychol, A new method for analyzing printed English, J. Exp. Psychol. & The redundancy of texts in three languages, Info. & Control. Address: 770 William James Hall, Harvard University, Cambridge, Mass. 02138.
- NEWMAN, DR. FREDERICK L, b. New York, N.Y. Dec. 15, 38; m. 64; c. 1. PSYCHOLOGY. B.A. Allegheny Col, 61; M.A. Kent State, 63; Ph.D. (psychol), Massachusetts, 66. Lectr. PSYCHOL, Stockbridge Sch, Univ. Massachusetts, 65-66; Smith Col, 66; ASST. PROF, NEW MEXICO STATE, 66- U.S.M.C.R., 58-64. Psychonomic Soc; Psychol. Asn. Discrimination processes; classical and operant conditioning; experimental design and statistics. Publ: Differential eyelid conditioning as a function of the probability of reinforcement, J. Exp. Psychol, 11/61; co-auth. Stimulus generalization along the dimension of angularity, 10/65 & Stimulus control, cue utilization and attention: effects of discrimination training, (in press), J. Comp. & Physiol. Psychol. Address: Dept. of Psychology, New Mexico State University, Las Cruces, N.Mex. 88001.
- NEWMAN, PROF. HERBERT E (LLIS), b. Birmingham, Ala, Sept. 12, 14. ECONOMICS. A.B. Birmingham-Southern Col, 36; A.M. Virginia, 38, Ph.D. (econ), 40; fel, Brookings Instn, 38-39. Instr. ECON, Virginia, 39-40; Delaware, 40-42, asst. prof, 44-46, assoc. prof, 46-52, prof, 52-58; prof. & chmn. dept, Dickinson Col, 58-66; PROF, HOOD COL, 66- Economist, Bd. Econ. Warfare & Off. Price Admin, 42-44. Consult, Gov. Cmt. Intergovt. Rel, 54; Gov. Citizens Adv. Cmt. Ed, 55. Econ. Asn; Tax Inst. State tax systems; federal fiscal policy. Publ: Full employment as a goal of public policy; co-auth. Federal grants in aid to Delaware; auth. An introduction to public finance, Wiley, 68. Address: Dept. of Economics & Sociology, Hood College, Frederick, Md. 21701.
- NEWMAN, DR. JAMES L, b. Minneapolis, Minn, May 7, 39; m. 63. GEOGRAPHY. B.A. Minnesota, 61, M.A. 63, Ph.D. (geog), 68. Researcher GEOG, Nat. Acad. Sci, 65-66; ASST. PROF, SYRACUSE, 67- Asn. Am. Geog; African Studies Asn. Patterns of rural settlement and land use, particularly relationship between environment and decision making; East Africa. Address: Dept. of Geography, Syracuse University, Syracuse, N.Y. 13210.
- NEWMAN, JAMES R, Polit. Sci, see 10th ed, Soc. & Behav. Vols, deceased 66.
- NEWMAN, DR. JOHN F, b. Washington, D.C., May 15, 23. POLITICAL SCIENCE. B.A. Maryland, 46, M.A. Georgetown, 58; Ph.D. (polit. sci), Florida, 66. Wage & salary admin. analyst, Govt. Serv. Inc, D.C. 46-51; mil. occup. analyst, Bur. Naval Personnel, Dept. Navy, 51-57; orgn. & methods exam, Urban Renewal Admin, U.S. Govt, 57-61; interim instr. govt, Florida Atlantic, 64-65; assoc. prof, Armstrong State Col, 65-66; ASST. PROF. & RES. ASSOC, INST. GOVT. RES, FLA. STATE, 66- U.S.A., 42-44. Polit. Sci. Asn. Local and county politics and administration. Publ: Co-auth. County welfare in Florida, Fla. State Univ, 68. Address: Box 95, Melrose, Fla. 32666.
- NEWMAN, PROF. J (OHN) ROBERT, b. Providence, R.I., Nov. 24, 27; m. 55. PSYCHOLOGY. B.A. Massachusetts, 50, fel, 50-52, M.S. 52; Ph.D. (psychol), Illinois, 55. Asst. Illinois, 52-55; res. psychologist, Hughes Aircraft Co, 55-61; sr. human factors scientist, Sys. Develop. Corp, Calif, 61-66; PROF. PSYCHOL, CALIF. STATE COL. LONG BEACH, 66- Res. analyst, State of Ill, 54. Consult, Syst. Develop. Corp, 67- U.S.A., 46-47. Psychol. Asn; Psychomet. Soc; Statist. Asn. Theory of measurement and psychometrics; psychophysics; decision theory. Publ: Difference between verbal and performance I.Q. on the Wechsler intelligence scale for children, J. Consult. Psychol; Development of Wechsler-Bellevue short form, Personnel Psychol; co-auth. Application of a Bayesian decision model to human decision making, Am. Behav. Sci, 1-2/68. Address: 11617 Gorham Ave, Los Angeles, Calif. 90049.
- NEWMAN, DR. JOSEPH, b. New York, N.Y., June 4, 11; m. 40; c. 3. CLINICAL PSYCHOLOGY. Ph.D. (psychol), Syracuse, 52. Dir. rehab. Munic. Sanitarium, Otisville, N.Y., 42-46; chief counseling, Vet. Admin. Hosp, Sunmont, 46-48, psychologist, Canandaigua, 49-53, chief psychologist, Memphis, Tenn, 53-55, Pittsburgh, Pa, 55-65; PROF. ED. & PSYCHOL, PITTSBURGH, 65- AAAS; Psychol. Asn; Soc. Proj. Tech. Psychology of disability. Publ: Prefrontal lobotomy as a means to improve hospital adjustment of chronic psychotic patients, J. Abnorm. & Soc. Psychol; Kuder preference record and personal adjustment, Ed. Psychol. Measurement. Address: University of Pittsburgh, Pittsburgh, Pa. 15213.
- NEWMAN, DR. JOSEPH WILLIAM, b. Manhattan, Kans, Mar. 31, 18; m. 58; c. 2. BUSINESS ADMINISTRATION, MARKETING. B.S. Kansas State, 39, M.S. 41; M.B.A. Harvard, 47, D.C.S. 57. Writer, Kans. City Star, 39-40; dir. sports info, Kansas State, 40-42; mkt. & media analyst, Bur. Adv. Inc, 47-49; lectr. mkt. & adv, Michigan, 49-51; instr. sales mgt, Harvard, 51-53, asst. prof. MKT, 53-59; assoc. prof, Stanford, 59-65; PROF, MICHIGAN, 65- Fel. Ford Found. Faculty Seminar New Develop. Bus. Admin, 61. U.S.N.R., 42-46, Lt. Mkt. Asn. (v-pres, 63-64); Asn. Pub. Opinion Res; Inst. Mgt. Sci. Buyer behavior; management decision-making; management of information. Publ: Motivation research and marketing management, Harvard, 57; On knowing the consumer, Wiley, 66; Marketing management and information, Irwin, 67. Address: University of Michigan Graduate School of Business Administration, Ann Arbor, Mich. 48104.
- NEWMAN, DR. KLAUS M (ARTIN), b. Vienna, Austria, May 2, 26; nat; div; c. 1. EXPERIMENTAL PSYCHOLOGY. B.S. Michigan, 50; Ph.D. (exp. psychol), Heidelberg, 57. PSYCHOLOGIST, NAVAL ELECTRONICS LAB. CENTER, 57- U.S.N., 44-46. AAAS; Psychol. Asn; Human Factors Soc. Man-computer symbiosis; visual psychophysics, displays and target detectability; information theory. Address: Naval Electronics Lab. Center, San Diego, Calif. 92152.
- NEWMAN, PROF. MARSHALL T (HORNTON), b. New Bedford, Mass, July 15, 11; m. 45; c. 3. ANTHROPOLOGY. Ph.B. Chicago, 33, M.A. 35; Western Reserve, 35-36; fel, Harvard, 38-41, Ph.D. (anthrop), 41. Field supvr. archaeol, War Progress Admin, Smithsonian Inst, 33-34; supvr. proj. Inst. Andean Res, N.Y., 41-42; assoc. curator phys. anthrop, U.S. Nat. Mus, Smithsonian Inst, 42-62; PROF. ANTHROP, Portland State Col, 62-66, chmn. dept, 64-66; WASHINGTON (SEATTLE), 66- U.S.N.R., 42-45. Fel. Anthrop. Asn; Asn. Phys. Anthropol. Anthropology of the New World; physical anthropology and nutrition; human adaptation and race formation. Publ: Application of ecological rules to the racial anthropology of the aboriginal New World, Am. Anthropologist; Adaptations in the physique of American aborigines to nutritional factors, Human Biol; Biological adaptations of man to his environment: heat, cold, altitude and nutrition, Ann. N.Y. Acad. Sci. Address: Dept. of Anthropology, University of Washington, Seattle, Wash. 98105.
- NEWMAN, PROF. MONROE, b. Brooklyn, N.Y., Jan. 31, 29; m. 51. ECONOMICS. B.A. Antioch Col, 50; M.A. Illinois, 53, Ph.D. (econ), 54. Asst. econ, Illinois, 50-54; res. analyst, Asn. Casualty & Surety Cos, 54-55; from asst. prof. to PROF. ECON, PA. STATE, 55-, chmn. dept, 58-62. Vis. prof, Pittsburgh, 64-65. Economist, President's Appalachian Regional Cmn, 64-65, dir. res, 65-66, consult, 66-, N.Eng. Regional Cmn, 67- Exam, Nat. Labor Rel. Bd, 49-50. Econ. Asn; Indust. Rel. Res. Asn; Regional Sci. Asn. Labor economics; social insurance; employment theory; regional analysis. Publ: Co-auth. Insurance and risk, Holt, 64. Address: 625 W. Nittany Ave, State College, Pa. 16801.
- NEWMAN, DR. PARLEY W (RIGHT), b. Ogden, Utah, Oct. 27, 23; m. 46; c. 7. SPEECH PATHOLOGY. B.S. Utah State, 50, M.S. 51; Ph.D. Iowa, 54. Assoc. prof. speech path, Utah State, 54-60; assoc. secy. Am. Speech & Hearing Asn, 60-66; PROF. SPEECH PATH, BRIGHAM YOUNG, 66- Summers, vis. lectr. Utah, 56; Iowa, 57; vis. prof, Utah State, 62. Consult, Cache County Bd. Ed, 57-60; div. handicapped children & youth, U.S. Off. Ed, 64; neurol. & sensory disease control prog, Nat. Center Chronic Disease Control, U.S. Pub. Health Serv, 66-69. Book abstracts ed, Asn. Speech & Hearing Psychol. Asn. Stuttering; general semantics; language development. Publ: A study of adaptation and recovery of the stuttering response in self-formulated speech, 54 & Adaptation performances of individual stutters: Implications for research, 63, J. Speech & Hearing Res; co-auth. Rehabilitation services for speech, hearing and language disorders in an extended care facility, Asha, 67. Address: 581 E. 3460 N, Provo, Utah 84601.
- NEWMAN, DR. PAUL, b. Jacksonville, Fla, Mar. 7, 37. ANTHROPOLOGY, LINGUISTICS. B.A. Pennsylvania, 58, M.A. 61; For. Area Prog. fel. &

Ph.D.(ling), California, Los Angeles, 67. ASST. PROF. ANTHROP, YALE, 66- Ling. Soc. Am; Anthropol. Am; African Studies Assn; W.African Ling. Soc; Int. African Inst. African linguistics and folklore. Publ: A word list of Tera, 64 & Ideophones from a syntactic point of view, 68, J. W.African Lang; Comparative Chadic: phonology and lexicon, J. African Langs, 66. Address: Dept. of Anthropology, Yale University, New Haven, Conn. 06520.

NEWMAN, PAUL HAROLD, b. Washington, D.C., Apr. 25, 33; m. 58; c. 2. INDUSTRIAL ENGINEERING. B.Sc. Antioch Col, 56. Sr. res. assoc. human eng. Am. Insts. Res, 56-60; indust. engr, Boeing Co, 60-61; SR. SYSTS. ENGR, SYST. DEVELOP. CORP, 61- AAAS; Soc. Eng. Psychol; Human Factors Soc. Information processing systems design; educational requirements; systems analyses; human factors analyses; human engineering. Publ: Co-auth, Human factors design handbooks, U.S. Air Force Spec. Weapons Center, 58 & NORAD operational specification, U.S. Air Force Elec. Sys. Div, 63. Address: System Development Corp, 2315 E. Pikes Peak Ave, Colorado Springs, Colo. 80909.

NEWMAN, PROF. PETER KENNETH, b. Mitcham, Eng, Oct. 5, 28; m. 53; c. 4. ECONOMICS. B.Sc. London, M.Sc. 51, D.Sc.(econ), 62; Oxford, 51-52. Asst. econ. univ. col, London, 49-51; res. assoc, Stanford, 52-53; asst. res. officer, inst. statist, Oxford, 53-54; economist, UN Tech. Assistance Admin, Ceylon, 56-57; lect. econ, Univ. Col. West Indies, Jamaica, 57-59, sr. lect. 59-61; vis. lect. polit. econ, Hopkins, 61; prof. econ, Michigan, 61-63; econ. adv, UN Tech. Assistance Admin, E.African Common Serv. Orgn, 63-64; vis. prof. polit. econ, Hopkins, 64-65; sr. economist, Robert Nathan Assoc, attached as econ. adv, Nat. Planning Off, Costa Rica, 65-66; PROF. POLIT. ECON, HOPKINS, 66- Res. fel, Inst. Econ. Res, Queen's (Can), 58. Consult. Econ. Inst. Inc, New York, 60-61; off. tax anal, U.S. Treas, 62. Civilian with ops. res. off, Brit. Admiralty, 54-55. Am. Econ. Assn; Economet. Soc; Royal Econ. Soc. Price theory; mathematical economics; theory of economic development; techniques of economic planning in underdeveloped countries, especially small countries; economics of population growth. Publ: British Guiana, Oxford Univ. Press, 64; The theory of exchange, Prentice-Hall, 65; Malaria eradication and population growth, Univ. Michigan, 65. Address: Dept. of Political Economy, Johns Hopkins University, Baltimore, Md. 21218.

NEWMAN, DR. PHILIP L, b. Eugene, Ore, Dec. 17, 31; m. 53; c. 3. ANTHROPOLOGY. B.A. Oregon, 53; M.A. Washington (Seattle), 57, Ph.D.(anthrop), 61. ASST. PROF. ANTHROP, CALIFORNIA, LOS ANGELES, 61- U.S.A., 53-55. Anthropol. Assn. Ethnology; psychological anthropology. Publ: Knowing the Gururumba, Holt, 65. Address: Dept. of Anthropology, University of California, Los Angeles, Calif. 90024.

NEWMAN, DR. RICHARD G(ERALD), b. New York, N.Y., May 14, 36; m. 59; c. 2. OPERATIONS RESEARCH, BUSINESS MANAGEMENT. B.S. Va. Mil. Inst, 57; M.B.A. Indiana, 61, Nat. Assn. Purchasing Agents fel, 63-64, D.B.A., 64. Instr. chem, Va. Mil. Inst, 57-59; teaching assoc. mgt, Indiana, 59-64; asst. prof, Southern Illinois, 64-65; MISSOURI, KANSAS CITY, 65-66, ASSOC. PROF. PROD. & OPERS. RES, 66- Consult, U.S. Army Aviation Mat. Command, 67- U.S.A., 58, 1st Lt. Production control; inventory management; economic forecasting. Publ: Some comments on negotiation, 5/66 & A note on competitive bidding, 5/67, J. Purchasing; Analysis of forward buying, Prod. & Inventory Mgt, 4/66. Address: Dept. of Production & Operation Research, University of Missouri, Kansas City, Mo. 64110.

NEWMAN, CAPT. RUSSELL T(HEODORE), U.S.A.F. Int. Rels, see 10th ed, Soc. & Behav. Vols.

NEWMAN, DR. R(UTH) E(INSIDLER), b. New York, N.Y., Feb. 13, 18; m. 44; c. 3. SOCIAL & CLINICAL PSYCHOLOGY. B.A. Hunter Col, 38; M.S. N.Y. Univ, 40; M.A. City Col. New York, 53; univ. grant, Columbia, 61-62, Nat. Inst. Ment. Health fel, 62-63, Ph.D.(soc. psychol), 63. Sales mgr. mkt, Sears Roebuck & Co, 40-41; vis. prof, Puerto Rico, 44-46; asst. prof, Pa. State, 49-50; PRES, NEWMAN ASSOCs, 50-; FOR. STUDIES INST, 57- Vis. prof, Karachi, Pakistan, 53-56; vis. lect. Rutgers, 58-60; res. fcls. Am. Assn. Univ. Women Ed. Found. & N.J. State, 64-65; res. grant, Wenner-Gren Anthropol. Found, 64-65. Staff psychologist, Colgate-Palmolive Co, 58-59. Consult, Govt. of Puerto Rico, 44-45, Pakistan, 53-56, Guatemala, 59, United States, 59-60. Psychol. Assn; Int. Coun. Psychol. Dynamics of culture and personality; systematization of interdisciplinary cross-cultural data, leading to the isolation of the key variables and development of methodology for the synthesis of the social sciences. Publ: Pathan tribal patterns: an 'interim' study of authoritarian family process and structure, 65 & The taproot of technology: a social psychological approach to the origin of cultural characteristics and cultural forms, 65, For. Studies Inst; Personality development in a primitive adolescent group, Die Zeitschrift für Diagnostische Psychologie & Persönlichkeitsforschung. Address: 250 Woodside Ave, Ridge-wood, N.J. 07450.

NEWMAN, PROF. SAMUEL C(LAYTON), b. Wilkesburg, Pa, Nov. 16, 10; m. 50. SOCIOLOGY. A.B. Pittsburgh, 31; A.M. Oberlin Col, 34; Ph.D. (sociol), Ohio State, 39. Instr. sociol, Louisville, 39-40, asst. prof, 40-42; chief marriage & divorce statist, U.S. Nat. Off. Vital Statist, 46-51; assoc. prof. SOCIOL, AKRON, 51-68, PROF, 68- Census tract key person, Akron Standard Metrop. Statist. Area. U.S.N., 42-45. Sociol. Assn; Statist. Assn; Pop. Assn; Pub. Health Assn. Marriage and divorce; juvenile delinquency; population. Publ: Employment problems of college students; Needs and future prospects for integrating marriage and divorce data with other vital statistics, Am. J. Pub. Health; Development and status of vital statistics on marriage and divorce, Am. Soc. Rev. Address: Dept. of Sociology, University of Akron, Akron, Ohio 44304.

NEWMAN, DR. SIDNEY H(AROLD), b. Danville, Va, Sept. 2, 12; m. 39; c. 1. PSYCHOLOGY. B.A. Washington & Lee, 32; scholar, Clark, 32-33, Soc. Sci. Res. Coun. fel, 32-33, M.A., 33, fcls, 33-35, Ph.D.(psychol), 35. From instr. to assoc. prof. psychol, Mich. State Col, 35-46, acting head dept. psychol. & philos, 46; acad. psychologist, U.S. PUB. HEALTH SERV, U.S. Coast Guard Acad, Conn, 46-47, chief measurement & eval. br, div. personnel, 47-63, DIR. DIV. RES. & STANDARDS, OFF. PERSONNEL, 63- Assoc. commun.

analyst, domestic br, Off. War Info, D.C., 42-43, head for. press & radio sect, overseas br, 43; psychologist, U.S. Coast Guard Acad, 43-46. Dipl., Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Assn. Selection and evaluation; measurement, including achievement, aptitude, personality and interests; clinical diagnosis. Publ: Determination of the reliability of learning material and the Spearman-Brown Formula, J. Comp. Psychol; Quantitative analysis of verbal evaluations, J. Appl. Psychol; co-auth, Forced choice and other methods for evaluating professional health personnel, Psychol. Monogr. Address: Division of Research and Standards, Office of Personnel, U.S. Public Health Service, NBOC 2, 9000 Rockville Pike, Bethesda, Md. 20014.

NEWMAN, PROF. SLATER E(DMUND), b. Boston, Mass, Sept. 8, 24; m. 50; c. 3. EXPERIMENTAL PSYCHOLOGY. B.S. Pennsylvania, 47; M.A. Boston, 48; Ph.D.(psychol), Northwestern, 51. Res. psychologist, U.S. Air Force Personnel & Training Res. Center, Keesler Air Force Base, Miss, 51-54, Chanute Air Force Base, Ill, 54-56, Lowry Air Force Base, Colo, 56-57; asst. prof. PSYCHOL, N.C. STATE, 57-59, assoc. prof, 59-64, PROF, 64- U.S. Pub. Health Serv. spec. res. fel, inst. human learning, California, Berkeley, 65-66. U.S.A.A.F., 43-46. AAAS; Psychol. Assn; Psychonomic Soc; Ling. Soc. Learning and retention; language behavior. Publ: A mediation model for paired-associate learning; co-auth, Isolation effects: stimulus and response generalization as explanatory concepts, J. Exp. Psychol; Effects of contextual cues on learning from connected discourse, Am. J. Psychol. Address: Dept. of Psychology, North Carolina State University, Raleigh, N.C. 27607.

NEWMAN, DR. STANLEY, Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

NEWMAN, PROF. STANLEY S(TEWART), b. Chicago, Ill, July 18, 05; m. 30; c. 1. ANTHROPOLOGY. Ph.B. Chicago, 27, A.M., 28; Sterling fel, Yale, 31-32, Ph.D.(ling), 32. Am. Coun. Learned Soc. fel, Inst. Human Rels, Yale, 32-37; Gen. Ed. Bd. fel, Cmn. Sec. Sch. Curriculum, 37-39; res. fel, Persian, intensive langs. prog, Am. Coun. Learned Soc, 41-43; instr. anthropol, Brooklyn Col, 43; technician, lang. sect, I & E div, U.S. War Dept, N.Y., 43-45; anthropologist, inst. soc. anthropol, Smithsonian Inst, Mex, 45-49; assoc. prof. ANTHROP, NEW MEXICO, 49-53, PROF, 53- Co-ed, Southwest J. Anthropol, 61- AAAS; fel. Anthropol. Assn; Ling. Soc. American Indian languages; anthropological linguistics; applied linguistics; social anthropology. Publ: Yokuts language of California; Zuni grammar, Univ. New Mexico, 65; American Indian linguistics in the Southwest, Am. Anthropol. Address: Dept. of Anthropology, University of New Mexico, Albuquerque, N.Mex. 87106.

NEWMAN, DR. THOMAS McCLELLAN, b. Knoxville, Tenn, Mar. 16, 29; m. 55; c. 4. ANTHROPOLOGY. B.A. Nebraska, 55; Ph.D.(anthrop), Oregon, 59. Instr. anthropol, Portland State Col, 59-60; Nat. Sci. Found. res. fel. African prehist, Sierra Leone, 60-61; asst. prof. ANTHROP, PORTLAND STATE COL, 61-65, ASSOC. PROF, 65- Nat. Park Serv. contract grants salvage archaeol, 62 & 64. Fel. African Studies Assn; Soc. Am. Archaeol. Prehistory of western North America, especially the northwest; cultures of the Coast and Columbia Plateau; early man; culture history and agricultural origins in West Africa, especially on African Neolithic cultures. Publ: Tillamook prehistory and its relation to the Northwest Coast culture area, Dept. Anthropol, Univ. Oregon, 59; co-auth, Cultural sequences at The Dalles, Oregon, Am. Philos. Soc. Trans, 60; auth, Cascadia Cave, Idaho State Mus. Occasional Paper 18, 66. Address: Dept. of Anthropology, Portland State College, Portland, Ore. 97207.

NEWMAN, PROF. WILLIAM H, b. Philadelphia, Pa, Oct. 19, 09. BUSINESS ADMINISTRATION. A.B. Friends, 30; Ph.D. Chicago, 34. Mgt. consult, James O. McKinsey & Co, 34-36; asst. to chmn, Marshall Field & Co, 36-38; from asst. prof. to prof. indust, Wharton Sch. Finance, Pennsylvania, 39-49; prof. bus. admin, COLUMBIA, 49-51, BRONFMAN PROF. DEMOCRATIC BUS. ENTERPRISE, 51- Lectr, sch. bus, Chicago, 36, 38; exec. officer, Petrol. Admin. War, 44-45. Orgn. consult, War Prod. Bd, 42-43. Econ. Assn. Principles and theory of administration. Publ: Administrative action; co-auth, The process of management; Business policies and central management. Address: Graduate School of Business, Columbia University, New York, N.Y. 10027.

NEWMARK, DR. NORMA, b. New York, N.Y., Nov. 10, 14; m. 36; c. 2. HUMAN RELATIONS. B.A. Hunter Col, 36, M.A., 54; Human Rels. Workshop scholar, Michigan, 55; Ph.D. N.Y. Univ, 53. Teacher, Sch. Rehab. Drug Addicts, 52-61; coordinator res. & training progs, human rcls. unit, New York Bd. Ed 61-64; assoc. prof. SOCIOL, Borough Manhattan Community Col, 64-65; Bronx Community Col, 65-66; ADJ. ASST. PROF, FORDHAM, 67- Lectr, Hunter Col, 58-; Jewish Agency & Adult Ed. Assn. scholars, Israel, 60, 63; New York Jr. Bd. Ed. scholar, Puerto Rico, 62. Training consult, indust, 66- Mem. bd. ed, jr. high sch, 66-68; pres, Tri-State Coun. Family Rels, 66-70. Home Econ. Assn; Adult Ed. Assn. U.S.; Nat. Coun. Family Rels. Sociometric studies on integration in junior high schools. Publ: Co-auth, Old dilemmas—new insights—family life problems, Metrop, 68, Ultimates in marriage & industrial arts and human relations, J. Indust. Arts Ed. Address: 2876 Jerome Ave, New York, N.Y. 10468.

NEWMAYER, ALVIN S(AMUEL), Econ, see 10th ed, Soc. & Behav. Vols.

NEWSOM, DR. LIONEL H(ODGE), b. Wichita Falls, Tex, Nov. 11, 19; m. 46; c. 1. SOCIOLOGY. A.B. Lincoln (Mo), 38; M.A. Michigan, 40; fel, Fisk, 40-41; Ph.D.(sociol), Washington (St. Louis), 56. Asst. prof. sociol. & hist, Southern Univ, 47-49, assoc. prof. sociol. & anthropol, 51-55, prof, 56-60; asst. prof. sociol. & hist, Stowe Teachers Col, 49-51; prof. sociol, Morehouse Col, 60-64; pres, Barber-Scotia Col, 64-68; ASSOC. PROJ. DIR. HIGHER ED. OPPORTUNITY IN SOUTH, SOUTH. REGIONAL ED. BD, 66-Mem, Danforth Found. Assocs. Adv. Cmt. Fel. Sociol. Assn. Race relations; criminology; housing population. Publ: Co-auth, An exchange of taped discussions between students of Negro and White colleges, Speech Teacher, 11/62, A stormy rally in Atlanta, Today's Speech, 4/63 & The Negro and higher education in the South, South. Regional Ed. Bd, 8/67. Address: 3286 W. Manor Lane S.W., Atlanta, Ga. 30311.

NEWSTROM, DR. CHARLES N(EIL), Psychol, see 10th ed, Soc. & Behav. Vols.

NEWTON, PROF. BERNARD, b. N.J., Sept. 7, 22; m. 47; c. 2. **ECONOMICS**. B.B.A. City Col. New York, 44; Ph.D. Columbia, 62. Mkt. res. statistician, Raymond Franzen Co., 44-45; instr. **ECON. & SOCIOL. LONG ISLAND, ZECKENDORF CAMPUS**, 46-48, asst. prof., 48-62, assoc. prof., 62-67; PROF., 67- Consult, New York Coun. Econ. Ed., 65- U.S.A., 42-43. Econ. Asn. History of economic thought; personality theory; economic institutions and statistics. Publ: The economics of Francis A. Walker: American economics in transition, Augustus Kelley, 68. Address: 48-15 208th St, Bay-side, N.Y. 11364.

NEWTON, PROF. CHARLES HOWARD, b. Plattsmouth, Nebr., Nov. 4, 30; m. 54; c. 2. **SOCIOLOGY**. A.B., Nebraska, 56, M.A., 58; fel. Fla. State, 60, Ph.D. (sociol.), 62. Asst. prof. sociol., Richmond, 61-63; assoc. prof. **SOCIOL. & ANTHROP.** MEMPHIS STATE, 63-64, PROF., 64-, CHMN. DEPT., 63- Lectr., Memphis Police Acad., 65-; Higher Ed. Act Grants, 66-68; Law Enforcement Ed. Act grant, 66-68. Consult, Shelby County Penal Farm, 64-; Memphis Juvenile Court, 65- U.S.A.F., 48-52, S/Sgt. Sociol. Asn; Pop. Asn. Behavioral manifestations of youth and social adaptations as these affect the individuals, groups and society. Publ: Co-auth, Recreation Richmond, Richmond Area Community Coun., 63 & Educational sociology: an annotated and selected bibliography, Fla. State Univ., 64; co-ed, Current problems in law enforcement, Memphis State Univ., 67. Address: Dept. of Sociology, Memphis State University, Memphis, Tenn. 38111.

NEWTON, DR. D(ONALD) GRANT S(EBURN), Psychol., see 10th ed, Soc. & Behav. Vols.

NEWTON, PROF. JOHN M(ILTON), b. Schenectady, N.Y., Feb. 25, 29; m. 54; c. 2. **PSYCHOLOGY**. B.S., Union Col., 51; M.A., Ohio State, 52, fel. & Ph.D. (psychol.), 55. Psychologist, elec. boat div., Gen. Dynamics Corp., 57-60; asst. prof. **PSYCHOL. NEBRASKA, OMAHA**, 60-67, PROF. & CHMN. DEPT., 67- Vis. lectr., Conn. Col., 58. Consult, Itek Corp., 59-60; Entelek, Inc., 61-Med.Serv.C., U.S.A., 55-57, 1st Lt. Psychol. Asn; Statist. Asn. Human learning and retention; engineering psychology; training devices and simulators; methods of programmed instruction. Address: 5611 Jones St, Omaha, Nebr. 68106.

NEWTON, DR. JOSEPH EMORY O'NEAL, b. Orlando, Fla., Apr. 5, 27; m. 58; c. 2. **PSYCHIATRY, PSYCHOPHYSIOLOGY**. B.S., Emory, 52, M.D., 55. Fel. **PSYCHIAT. PAVLOVIAN LAB, PHIPPS PSYCHIAT. CLIN. SCH. MED. HOPKINS**, 56-57, U.S. Pub. Health Serv. fel., 58-61, instr., 62-66, ASST. PROF., 66- Investr., psychophysiol. res. lab., Vet. Admin. Hosp., Perry Point, Md., 58-61. U.S.A., 45-49, 50-51, Sgt. AAAS; Physiol. Soc; Soc. Psychophysiol. Res; Pavlovian Soc. N.Am. Conditional reflex studies in dogs, opossums; cardiovascular conditioning; effects of cerebral cortical ablations on acquired emotional reactions. Publ: Co-auth, Systolic blood pressure changes during two beat sinus arrhythmia, 8/64 & Cardiovascular responses to novel and conditional stimuli evaluated by successive beats, 8/65, Physiologist; Sinus arrhythmia during panting, Fed. Proc. 24, 3-4/65. Address: Pavlovian Lab, Johns Hopkins School of Medicine, 725 N. Wolfe St, Baltimore, Md. 21205.

NEWTON, DR. KENNETH ROSS, b. Hamilton, Ohio, Mar. 13, 23; m. 45; c. 5. **PSYCHOLOGY**. B.A., Tulsa, 48, M.A., 50; Ph.D. Tennessee, 53. Clin. psychologist, psychol. serv. center, TENNESSEE, 53, asst. prof. psychol., 53-57, assoc. prof., 57-66, PROF. **PSYCHOL. & DIR. PSYCHOL. CLIN.**, 66- Consult, Oak Ridge Ment. Health Center, Tenn; Knoxville Child & Family Servs. U.S.A., 43-46. Psychol. Asn. Child psychology; psychotherapy and psychodiagnosis; emotional, intellectual and physical handicaps of children. Address: Dept. of Psychology, University of Tennessee, Knoxville, Tenn. 37918.

NEWTON, DR. NILES, b. New York, N.Y., Jan. 19, 23; m. 43; c. 4. **PSYCHOLOGY**. B.A., Bryn Mawr Col., 45; M.A., Columbia, 48, U.S. Pub. Health Serv. fel., 49-51, Ph.D., 52. Res. assoc. sch. med., Pennsylvania, 52-55; sch. med., Mississippi, 55-66; ASST. PROF. **NEUROL. & PSYCHIAT. MED. SCH. NORTHWESTERN**, 66- Mem. sci. group to write report on physiol. of lactation, WHO, Geneva, 63. Soc. Res. Child Develop; Psychol. Asn; Psychosom. Soc; Acad. Psychosom. Med. Psychosomatic aspects of breast feeding, labor, pregnancy, menstruation, conception and early infant care; behavioral aspects of reproduction; femininity, female roles and child care techniques. Publ: Maternal emotions, Paul B. Hoerber, 55; co-auth, Parturient mice: effect of environment on labor, Science, 3/66 & Cultural patterning in perinatal behavior, In: Child-bearing—its social and psychological aspects, Williams & Wilkins, 67. Address: Division of Psychology, Northwestern University Medical School, 303 E. Chicago Ave, Chicago, Ill. 60611.

NEWTON, DR. PETER FRANCIS, b. New York, N.Y., Mar. 5, 29; m. 59; c. 2. **PSYCHOLOGY**. A.B., Indiana, 53, M.S., 57, Dept. Health, Ed. & Welfare fel. & Ed.D. (psychol.), 62; Georgia, 57-58. Instr. ed. psychol., Indiana, 56-57; psychologist, Ga. Warm Springs Found., 57-59; clinician, Indiana, 59-62; dean counseling serv., Anne Arundel Col., 62-64; **PSYCHOLOGIST, NAT. SECURITY AGENCY-U.S. DEPT. DEFENSE**, 64-; PRES, READING & STUDY CENTER, 63- Rep., President's Cmt. Hiring Handicapped, 64-; lectr., exp. prog. group ther., Anne Arundel County, 67. Psychol. Asn; Personnel & Guid. Asn. Evaluation of physically handicapped; test research, design and development; individual mental testing. Publ: Psychological evaluation of central nervous disorders, Voc. Rehab. Admin., 62; Pre-vocational tests to evaluate quadriplegics, hemiplegics and paraplegics, Indiana Univ., 62. Address: 1549 Crofton Pkwy, Crofton, Md. 21113.

NEWTON, DR. RICHARD L(EE), b. Ellwood City, Pa., Dec. 11, 21; m. 44; c. 2. **PSYCHOLOGY**. B.A., Westminster Col., 47; M.S., Pittsburgh, 49, Ph.D. (clin. psychol.), 52. Staff psychologist, West. psychiat. inst. & clin., Pa., 51-53; from staff consult. psychologist to partner, Rohrer, Hibler & Repligie, 53-64; **STAFF MGR. PERSONNEL, PAC. NORTHWEST LABS, BATTELLE MEM. INST.**, 64- U.S.A.A.F., 42-45. Psychol. Asn. Executive growth, development and evaluation; projective techniques. Publ: Clinician as judge, total Rorschachs and clinical case material, J. Consult. Psychol.; Comparison of two methods of administering the digit span test, J. Clin. Psychol. Address: 2042 George Washington Way, Richland, Wash. 99352.

NEWTON, ROBERT A(NDREW), b. Franklin, Pa., Sept. 8, 23; m. 47; c. 2. **INDUSTRIAL PSYCHOLOGY**. B.S., Pa. State, 49, M.S., 50. Mgt. appraisal consult, Martin Co., Md., 50-52, chief of eng. personnel, 52-56, mgr. of eng. admin., 56-58, dir. personnel, Fla., 58-61; corp. dir. of personnel, Fairchild-Stratos Corp., 61-64; V.PRES. **EMPLOYEE RELS, BUS. SERV. GROUP, STANDARD PACKAGING CORP.**, 64- Lectr., Hopkins, 53-58. U.S.A.A.F., 43-46. Psychol. Asn; Mgt. Asn. Selection and development of executive personnel; creativity among scientific personnel; industrial relations administration; labor relations; organization development. Address: 2 Gadowall Lane, North Oaks, St. Paul, Minn. 55110.

NEWTON, DR. ROBERT EDWARD, b. Muscatine, Iowa, July 11, 31. **POLITICAL SCIENCE, PUBLIC LAW**. B.A., Iowa, 56; M.A., Catholic Univ., 59, Ph.D. (polit. sci.), 65. Instr. soc. sci., Norwich, 62-65; vis. asst. prof. **POLIT. SCI.**, Catholic Univ., 65-66; asst. prof., Va. Polytech., 66-67; **ASSOC. PROF.**, ST. AMBROSE COL., 67- U.S.A., 51-54, Res., 56-63, 1st Lt. Am. Polit. Sci. Asn; Soc. Polit. & Legal Philos; Judicature Soc; Int. Polit. Sci. Asn. Constitutional and administrative law; American, state and local government. Publ: Edward S. Corwin and American constitutional law, J. Publ. Law, 65. Address: Dept. of Political Science, St. Ambrose College, Davenport, Iowa 52803.

NEY, DR. VIRGIL, Mil. Hist. Polit. Sci., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

NEYMAN, PROF. J(ERZY), Statist., see 11th ed, Phys. & Biol. Vols.

NEZAMI, DR. M. ASSAD, b. Iran, May 31, 31. **SOCIOLOGY**. B.A., Tehran, 58; M.A., Columbia, 64; Ph.D. (sociol.), Chicago, 68. Lectr. Persian, Chicago, 62-65; ASST. PROF. **SOCIOL. ROOSEVELT**, 65- Sociol. Asn; Polit. Sci. Asn. Sociological theory; political sociology; cooperative study of legislative elites. Publ: Sociology and history, Rahmehaye Kitab, 62; On the theory of revolution, Maktab, 63. Address: Roosevelt University, 430 S. Michigan Ave, Chicago, Ill. 60605.

NICHOLAUS, PROF. HERBERT A, b. Reedsville, Wis., Oct. 24, 09; m. 35; c. 1. **ECONOMICS, FINANCE**. A.B., Lawrence Col., 31; A.M., Wisconsin, 32, Ph.D., 50. Prof. acct., Tri-State Col., 35-36; head dept., Rider Col., 36-39; Lansing, 39-42; from asst. prof. to PROF. **ECON. & BUS. ADMIN., LAKE FOREST COL.**, 42- Trustee & mem. bd. dirs., employee pension trust, First Fed. Savings & Loan Asn., Waukegan, Ill., 57-61. Econ. Asn; Finance Asn; Acad. Polit. & Soc. Sci; Am. Acct. Asn. Accounting and federal taxes. Publ: Co-auth, Principles of economics; Money and banking; Public finance. Address: Dept. of Economics & Business Administration, Lake Forest College, Lake Forest, Ill. 60045.

NICHOLLS, PROF. WILLIAM H(ORD), b. Lexington, Ky., July 19, 14; m. 36; c. 2. **ECONOMICS**. A.B., Kentucky, 34, M.A., Harvard, 38, Ph.D., 41. Res. fel. & res. asst., Harvard, 34-37; instr. & res. assoc., Iowa State Col., 37-39, asst. prof., 39-43, assoc. prof., 43-44; res. assoc. agr. econ., Chicago, 45-46, asst. prof. **ECON.**, 47-48; PROF. **VANDERBILT**, 48- DIR. **GRAD. CENTER LATIN AM. STUDIES**, 65-, chmn. dept. econ. & bus. admin., 58-61. Soc. Sci. Res. Coun. fel., Chicago, 41-42; economist, coun. econ. adv. Exec. Off. President, D.C., 53-54; lectr., Vargas Found., Rio de Janeiro, Brazil, 47, res. economist, 63-64; vis. prof., Harvard, 61-62. Consult, Ford Found., Brazil, 60. Ed. J. Polit. Econ., 46-48. Mem., Turkish Mission, Int. Bank Reconstruct. & Develop., 50-51; bd. dir., Soc. Sci. Res. Coun., 57-63; pub. mem., Fed. Adv. Coun. Employ. Security, 60-62; mem., nat. adv. cmt. manpower, U.S. Dept. Labor, 62-63; agr. econ. res. cmt., U.S. Dept. Agr., 63-; U.S. Nat. Cmn. UNESCO, U.S. Dept. State, 65- Econ. Asn; fel. Agr. Econ. Asn. (pres, Farm Econ. Asn., 60-61); Latin Am. Studies Asn. Economic development; agricultural policy; low income rural areas; Brazilian agricultural economy. Publ: Price policies in the cigarette industry, Vanderbilt, 51; Southern tradition and regional progress; Univ. North Carolina, 60; co-auth, Structure and productivity of Brazilian agriculture, Vanderbilt, 66. Address: Vanderbilt University, Box 1806, Nashville, Tenn. 37203.

NICHOLS, PROF. BERVARD, Econ., see 10th ed, Soc. & Behav. Vols.

NICHOLS, CLARENCE W(ILLIAMSON), b. Lafayette, Ala., July 20, 09; m. 36; c. 2. **ECONOMICS**. A.B., Northwestern, 30; Nat. War Col., 48. Bank investment counsr., Moody's Investors Serv., Ill., 30-34; investment res. specialist, Sheridan, Farwell & Morrison, Inc., 34-40; chief non-ferrous metals br., Off. Price Admin., 41-42, regional price exec., Dallas, Tex., 42-45; asst. chief. int. resources div., U.S. DEPT. STATE, 45-44, chief, 54-57, dep. dir. off. int. resources, 57-59, spec. asst. to asst. secy. state econ. affairs, 59-65, ADV. INT. RESOURCES, 65- International commodity policy; economic mobilization in war emergencies; investment analysis; foreign economic policy. Address: 5436 17th St, Arlington, Va. 22205.

NICHOLS, DR. DAVID (ANTHONY), b. Jersey City, N.J., Sept. 30, 40; m. 66; c. 1. **POLITICAL SCIENCE**. A.B., Clark, 61; Chicago, 61-62; Ph.D. (polit. sci.), Mass. Inst. Tech., 68. Prnl. summer staff mem., Inst. Naval Studies, Center Naval Anal., Franklin Inst., 64; instr. **POLIT. SCI.**, Connecticut, 65-66; **MASSACHUSETTS**, 66-68, ASST. PROF., 68- AAAS; Polit. Sci. Asn. Urban politics, economic structure and social problems; role of science and scientists in government; political and economic development. Publ: Co-auth, The Naval career: the enlisted man's view, Monog. Inst. Naval Studies/Center Naval Anal., 10/65. Address: 145 Sutherland Rd, Boston, Mass. 02146.

NICHOLS, PROF. DAVID GELSTON, b. Mastic, N.Y., Sept. 17, 16; m. 38; c. 4. **PSYCHOLINGUISTICS**. A.B., California, Berkeley, 51, A.B., 61. Mammalogist, expeds. Alaska, Nev. & Fla., Am. Mus. Natural Hist., N.Y., 35-38; staff freight claim dept., Am. Hawaiian Steamship Co., San Francisco, 41 & 46-50; jr. exec. airport develop. prog., Pan Am. Airways, 42; with U.S. Govt., 51-61; ASST. PROF. **PSYCHOL., COLORADO**, 67- U.S.M.C.R., 43-46, Capt. Soc. Mammal., Ornith. Union; Am. Name Soc. Mammalogy; Slavic languages. Publ: Translator, Bird migrations, 59, auth, Wintering bats in Glover-Archbold Park & Notes on the Icterids, Atlantic Naturalist. Address: Dept. of Psychology, University of Colorado, Cragmor Campus, Colorado Springs, Colo. 80907.

NICHOLS, DORIS DETRE, *Int. Econ.*, see 10th ed, Soc. & Behav. Vols.

NICHOLS, PROF. E(DWARD) GEORGE, b. Halifax, N.S., Feb. 12, 29; m. 51; c. 4. **PSYCHOLOGY**. B.Sc. Dalhousie, 50, univ. scholar, 50-51, M.Sc. 51; Can. Ment. Health scholar, 54-56; Ph.D. London, 56. Teacher elem. schs, Halifax County, 47-48; psychologist, Dept. Health & Welfare, P.E.I. 51-53; dir. psychol. Nova Scotia Hosp, 56-65; **PROF. PSYCHOL. & ACTING HEAD DEPT. PSYCHOL. & SOCIOI.** MT. ALLISON, 65- Lectr. sch. nursing, Dalhousie, 58-60, res. asst. univ, 63-65. R.C.A.F.V.R. 56-60. AAAS; Am. Psychol. Assn; Personnel & Guid. Assn; Can. Psychol. Assn; Brit. Psychol. Soc. Psychophysiology; experimental psychopathology. Address: Dept. of Psychology & Sociology, Mt. Allison University, Sackville, N.B., Can.

NICHOLS, DR. GEORGE C(HARLES), b. Cairo, Egypt, Jan. 31, 20; nat; m. 53. **ECONOMICS**. B.A. American Univ. Cairo, 43; B.A. Berea Col, 48; fel, Virginia, 49-52, M.A. 52, Ph.D.(econ), 59. Repatriation officer, div. displaced persons, Mid. East Off, UNRRA, 44-46, prog. officer econ. res. & prog. planning, UN Korean Reconstruct. Agency, 52-53; assoc. prof. econ. col. William & Mary, 54-58; res. assoc. Soviet Bloc For. Econ. Rels. Proj, Univ. Virginia, 58-59; economist, State Div. Indust. Develop. & Planning, Va, 59-62; **PROJ. DIR. INDUST. ECON. STUDIES PROG. NAT. SCI. FOUND.** 62- Lectr. & asst. head dept. econ. Richmond, 59-62; mem. Va. Resource-Use Ed. Coun, 59- Econ. Assn; Acad. Polit. Sci. Virginia economy; area studies. Publ: Report on the Fredericksburg area, In: *Industrial potential; Economic potential of six southside Virginia counties; Virginia's industrial opportunities in plastics products*. Address: 1100 Woodcliff Dr, Alexandria, Va. 22308.

NICHOLS, PROF. JAMES LYNN, JR, *Hist.*, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

NICHOLS, DR. JOHN RICHARD, b. Cleveland, Okla., Aug. 16, 19. **EXPERIMENTAL PSYCHOLOGY**. Ph.D.(psychol), Oklahoma, 57. Asst. prof. **PSYCHOL. SOUTHEAST. LA. COL.** 56-60, **ASSOC. PROF.** 60-, **CHMN. DEPT.** 65-, **CHMN. FACULTY RES. CMT.** 64-, proj. dir. Nat. Inst. Ment. Health faculty res. grant, 59-61. U.S.A.A.F. 43-45. AAAS; Psychol. Assn. Psychopharmacology; endogenous biological-chemical differences and their effects on behavior; psychological basis of drug addiction and alcoholism; mechanisms and techniques for the operant conditioning of verbal-conceptual functions of man. Address: Box 589, College Station, Hammond, La. 70402.

NICHOLS, PROF. PAUL RAYMOND, b. Newport, N.H., May 13, 18; m. 41; c. 3. **ECONOMICS. STATISTICS**. B.S. New Hampshire, 40; M.A. Connecticut, 42; fel, Harvard, 46-48, A.M., 49, Ph.D. 52. Asst. **ECON.** Connecticut, 40-42; instr. Denison, 42-43; asst. prof. **SIMMONS COL.** 48-53, assoc. prof. 53-63, **PROF.** 63-, **CHMN. DEPT.** 65-, **LECTR. STATIST. GRAD. SCH. SOC. WORK.** 51- Instr. Northeastern, Boston, Boston Col. & Bentley Col. 53-; res. assoc. patent, trademark & copyright found, George Washington, 58-59; lectr. Babson Inst, 64- Mil. Intel, 43-46, Sgt. Econ. Assn; Statist. Assn. Finance. Publ: Co-auth. Patent and other factors in the operations of small independent instruments firms in New England and the Middle Atlantic area, J. Res. & Ed. Address: Dept. of Economics, Simmons College, 300 The Fenway, Boston, Mass. 02115.

NICHOLS, PROF. RALPH G(ALLEN), b. Oxford, Nebr., Mar. 1, 07; m. 33; c. 2. **MASS COMMUNICATION**. B.A. Iowa State Teachers Col, 29; M.A. Iowa, 34, Ph.D.(speech), 48. Instr. speech & Eng. Elkhart High Sch. & Jr. Col, Iowa, 29-37; speech, MINNESOTA, MINNEAPOLIS, 37-43, asst. prof. 43-44, assoc. prof. 44-49, **PROF. & HEAD DEPT. RHET.** 49- Lectr. Alabama, 48; Denver, 49; Mich. State, 50; Iowa, 58, Okla. State, 59; summers, vis. prof. Whittier Col, 49; Peabody Col, 52; Utah State Col, 53, 54. Commun. consult, Iowa, 50-; Okla. State, 55-; C.W. Wright & Assocs. Can, 57- Chmn. Nat. Cmt. Listening Comprehension, 52-58. Speech Assn.(v.pres, 60; pres, 61). Speech; problems of communication; especially listening comprehension. Publ: Are you listening?; Listen, speak and write; co-auth. Interpersonal communication in the modern organization, Prentice-Hall, 68. Address: Dept. of Rhetoric, University of Minnesota, Minneapolis, Minn. 55455.

NICHOLS, DR. RAYMOND LINDLEY, b. Kansas City, Kans., July 5, 38; m. 63; c. 2. **POLITICAL SCIENCE**. B.A. Kansas, 60, Woodrow Wilson fel, 60; Rhodes scholar, Oxford, 60-63, B.Litt, 63; Danforth fel, Princeton, 63-65, Ph.D. (polit), 65. **ASST. PROF. GOVT. CALIFORNIA, SANTA CRUZ.** 65- Danforth assoc, 66- Polit. Sci. Assn. Political theory, especially models and modes of explanation; revolution; comparative political ideology; intelligentsia. Address: Cowell College, University of California, Santa Cruz, Calif. 95060.

NICHOLS, DR. ROBERT C(OSBY), b. Hopkinsville, Ky., Jan. 24, 27; m. 49; c. 2. **PSYCHOLOGY**. B.A. Louisville, 49, M.A. 50; Ph.D.(psychol), Kentucky, 53. Clin. psychologist, Vet. Admin. Hosp, Houston, Tex, 53-55, Downey, Ill, 55-58; asst. prof. psychol, Purdue, 56-61; res. assoc. **NAT. MERIT SCHOLAR. CORP.** 61-64, dir. res, 64-67, V.PRES. RES, 67- Lectr. Northwestern, 67- Consult, LaRue Carter Hosp, Indianapolis, Ind. U.S.N. 44-46. Psychol. Assn. Personality assessment; human intellectual development; identification and fostering of exceptional talent. Publ: Diagnosis of twin zygosity, Acta Genetica, 66; Personality change and the college, Am. Ed. Res. J, 67; Origin and development of talent, Phi Delta Kappan, 67. Address: National Merit Scholarship Corp, 990 Grove St, Evanston, Ill. 60201.

NICHOLS, RUSSELL T(OULMIN), *Econ.*, see 10th ed, Soc. & Behav. Vols.

NICHOLS, DR. THOMAS EVERETT, JR, b. Raleigh, N.C., Mar. 16, 29; m. 59; c. 4. **ECONOMICS**. B.S. N.C. State, 51, M.S. 59; fel, Duke, 60-61, Ph.D. (econ), 64. Teacher voc. agr. Nash County Bd. Ed, 51; admin. asst. N.C. Dept. Agr, 53-56; mkt. specialist, agr. econ. N.C. State Univ, 57-60, assoc. prof. econ, 61-68; **ECONOMIST, U.S. DEPT. AGR.** 69- U.S.A. 51-53, Res, 53-, Maj. Econ. Assn. Marketing of agricultural products; interregional competition; transportation; feasibility studies; location analysis. Publ:

Auth & ed, Transportation and the changing South, Agr. Policy Inst, 67. Address: Dept. of Economics, North Carolina State University, Raleigh, N.C. 27607.

NICHOLS, DR. THOMAS F(RANCIS), *Psychol.*, see 10th ed, Soc. & Behav. Vols, deceased 64.

NICHOLS, DR. WILLIAM THOMAS, b. Lakeland, Fla., Oct. 30, 27; m. 50; c. 6. **POLITICAL SCIENCE**. B.A. Virginia, 51, Nat. Defense Ed. Act. fel, 59-61, Ph.D. 62. Intel. res. analyst, Nat. Security Agency, 51-59; asst. prof. **POLIT. SCI.** Georgia, 61-62; Appalachian State, 62-67; **ASSOC. PROF. & CHMN. DEPT. CONVERSE COL.** 67- U.S.A.A.F. 46-47. American national government, comparative government and international relations. Publ: Manual of American national government, W.C. Brown, 3rd ed, 67. Address: Dept. of Political Science, Converse College, Spartanburg, S.C. 29301.

NICHOLSON, DR. CLARA K, b. Pittsfield, Mass., m. 36; c. 4. **ANTHROPOLOGY**. B.A. Syracuse, 36, Ph.D.(anthrop), 65; M.A. Massachusetts, 57; univ. fel, Clark, 57-58. Statistician, Gen. Elec. Co, 37-40, draftsman, 40-42; liaison officer, UNRRA, 54-56; exec. dir. Camp Fire Girls, Greater Worcester Coun, Mass, 57-60; lectr. sociol. & anthrop, Maryland, 61-62; assoc. prof. Lock Haven State Col, 62-65; asst. prof. Utica Col, Syracuse, 65-68; **ASSOC. PROF. ANTHROP. KIRKLAND COL.** 68-; **SR. RES. SCIENTIST, SYRACUSE PSYCHIAT. HOSP.** 66- Fel. Anthropol. Soc. Cultural change; introduction of Islam into Sumatra & Java; role playing and mental health; evaluation of the effect of the introduction of the team approach to treatment of mentally ill. Publ: Anthropology and Education, C.E. Merrill, 68. Address: P.O. Box 212, Chittenango, N.Y. 13037.

NICHOLSON, PROF. GEORGE EDWARD, JR, *Statist.*, see 11th ed, Phys. & Biol. Vols.

NICHOLSON, PROF. HOWARD W(HITE), b. Brooklyn, N.Y., Oct. 5, 20; m. 42; c. 1. **ECONOMICS**. A.B. Oberlin Col, 42; fel. & Ph.D.(econ), Harvard, 53. Asst. prof. econ, Virginia, 54-55; asst. prof. sch. bus. admin, California, 55-58; Virginia, 58-58; assoc. prof. **ECON.** CLARK, 58-64, **PROF.** 64- Prog. dir. econ. res, Nat. Sci. Found, 65-67. Consult, World Bank, 61; U.S. Dept. Commerce, 61, 63-64; New England Tel. & Tel. Co, 64-65. Mem. Senate Commerce Cmt. Transportation Study Group, 60-61; adv. panel econ, Nat. Sci. Found, 64. U.S.A. 42-46, Capt. Econ. Assn. Transportation economics. Publ: Economic analysis of highway development policies, Proc. Hwy. Res. Bd; Highway transportation costs and minimum rate policy, Quart. J. Econ; Doyle report on national transportation policy. Address: 7 Dennison Rd, Worcester, Mass. 01609.

NICHOLSON, PROF. LAWRENCE EDWARD, b. St. Louis, Mo., July 10, 14. **PSYCHOLOGY**. B.A. Lincoln (Mo), 38; M.A. Chicago, 41; dipl. & M.A. Columbia, 49, Ed.D. 50. Dir. guid. center, Vet. Admin, St. Louis, Mo, 47-48; assoc. prof. **PSYCHOL. HARRIS TEACHERS COL.** 50-65, **PROF.** 65- Summers, lectr. Hampton Inst, 54; Atlanta, 58. U.S.N. 42-46. Psychol. Assn; Assn. Higher Ed. Community organization for vocational guidance services. Publ: Vocation guidance services for Negro youth. Address: Dept. of Psychology, Harris Teachers College, St. Louis, Mo. 63103.

NICHOLSON, DEAN NORMAN L(EON), b. Barking, Eng., Oct. 14, 19; m. 47; c. 1. **GEOGRAPHY**. B.A. Western Ontario, 43, M.Sc. 47; Ph.D. Ottawa (Ont), 51. Geogr. geog. br. Dept. Mines & Tech. Surv, 49-54, dir, 54-63; **SR. PROF. GEOG. WESTERN ONTARIO.** 63-, **DEAN UNIV. COL.** 67-, asst. dean grad. studies, 66-67. Secy. Can. cmt. Int. Geog. Union, 54-63; Can. mem. cmn. geog. Pan-Am. Inst. Geog. & Hist, 54, chmn. Can. nat. sect, 61-63; chmn. Can. Permanent Cmt. Geog. Names, 59-63. R.A.F. 43-46, Flying Officer. Assn. Am. Geog; Royal Geog. Soc; Can. Assn. Geog; Royal Can. Geog. Soc. Geographical aspects of conservation and regional development; political geography; national atlases. Publ: Ed, Atlas of Canada, 58 & auth. Boundaries of Canada, its provinces and territories, 64, Queen's Printer, Can; Canada in the American community, Van Nostrand, 63. Address: University College, University of Western Ontario, London, Ont, Can.

NICHOLSON, DR. PATRICK JAMES, b. Houston, Tex., Nov. 28, 20; m. 65; c. 1. **INDUSTRIAL PSYCHOLOGY, BUSINESS ADMINISTRATION**. B.A. Rice Inst, 42; M.B.A. Harvard, 46; Ph.D. Houston, 59. Personnel asst, Freeport Sulphur Co, 46-47; consult. pub. rels. 47-56, exec. dir. develop. & asst. to pres, HOUSTON, 56-57; V.PRES. DEVELOP, 57-, lectr. mgt, 51-56. Pres. Eyes of Tex. Sight Found, 63-66. U.S.A. 43-46, Res, 46-, Lt. Col. AAAS; Psychol. Assn; Acad. Mgt. Creative thinking; attitude surveys; personality theory. Address: Office of Development, University of Houston, Houston, Tex. 77004.

NICKELS, PROF. JAMES B(RADLEY), b. Waukesha, Wis., May 27, 31; m. 53; c. 2. **COUNSELING PSYCHOLOGY**. B.A. Occidental Col, 53; M.A. Missouri, 55, Ph.D. 59. Psychometrist, counseling bur, Missouri, 54-55, instr. psychol, 55-57; psychol. & philos, Christian Col, 57-59; res. psychologist, Giffiss Air Force Base, 59-61; asst. prof. **PSYCHOL. NEVADA.** 61-65, **ASSOC. PROF.** 65- U.S.A.F.R. 53-61, Capt. Psychol. Assn; Acad. Relig. & Ment. Health. Human motivation and development; learning and training of animals; teaching techniques; psychology of religion. Publ: Some additional data on relationships between expressed and measured values, J. Appl. Psychol; Using the human element to predict equipment maintainability, In: Electronic maintainability. Address: 305 Juniper Creek Rd, Reno, Nev. 89502.

NICKERSON, PROF. CLARENCE BENTLEY, b. Quincy, Mass., Aug. 21, 06; m. 30; c. 1. **BUSINESS ADMINISTRATION**. B.B.A. Boston, 28; M.B.A. Harvard, 30, D.C.S. 35. Comptroller, Greenfield Tap & Die Corp, 41-42; **PROF. BUS. ADMIN. HARVARD.** 42- Adv. mgt. prog. summers, U.S. Naval Ordnance Test Sta, Calif, 49, 51, Univ. Kansas, 55, Univ. Hawaii, 56, 57, Durham, 64, Univ. Col. North Wales, 65, Murree, Pakistan, Glasgow, 66 & Swansea, Wales, 67. Adv. inst. bus. admin, Istanbul, 60-62; consult, Boeing Co, Wash, summer 59; Continental Screw Co, Mass, 55-; various bus. firms. Financial Execs. Inst; Am. Acct. Assn. Control, cost and financial administration.

- tration; business policy. Publ: Cost accounting, 54 & Managerial cost accounting and analysis, 62, McGraw. Address: Morgan Hall, Soldiers Field, Boston, Mass. 02163.
- NICKERSON, PRES. JAMES F(INDLEY), b. Gretna, Nebr, Dec. 16, 10; m. 34; c. 2. EDUCATIONAL PSYCHOLOGY. B.S. Nebr. Wesleyan, 32; M.A. Columbia, 40; Ph.D. Minnesota, 48. Supvr. music, pub. schs. N.Y., 39-41; Nebr., 41-42; instr. ed. psychol. univ. & music, univ. high sch. Minnesota, 42-46; assoc. prof. music ed, Kansas, 46-53; res. psychologist human factors, U.S. Navy Electronic Lab, 53-54 & 64; dean ed. dir. summer quarter & staff mem. electronic res. lab, Mont. State Col, 54-64, chmn. dept. psychol., 54-56, prof. psychol., 56-64; v-pres, N.Dak. State, 64-66; PRES, MANKATO STATE COL, 66- Exec. secy. & study dir, interim cmt. ed, State Legis, Wash, 59-60. Psychol. Asn; Acoustical Soc. Psychoacoustics, especially speech communication and intelligibility, architectural acoustics and signal processing; education, especially citizen evaluation and policy determination of public education including higher education. Publ: Study of the effect of frequency translational error on intelligibility of speech in the presence of noise, Proc. Mont. Acad. Sci; Simple method of calibration of earphones, Arch. Otolaryngol; ed, Citizen's committee reports and recommendations. Address: Mankato State College, Mankato, Minn. 56001.
- NICKERSON, DR. KENNETH S(TANFORD), b. Halifax, N.S. Sept. 11, 30; m. 54; c. 2. CLINICAL PSYCHOLOGY. B.A. Univ. King's Col, 51; M.A. Dalhousie, 52; Ph.D. Duke, 59. Chief psychologist, Nova Scotia Hosp, Dartmouth, Can, 54, staff psychologist, 59-59; asst. med. psychol, Duke Hosp, Durham, N.C., 54-57; sr. psychol. intern, Med. Center, Duke, 57-58; chief psychologist, Ment. Health Center of Raleigh & Wake County, Inc, 59; clin. psychologist, S.C. State Hosp, 59-65; ASSOC. PROF. PSYCHOL. & CHMN. DEPT., ASHEVILLE-BILTMORE COL, 65-, CHMN. DIV. SOC. SCI, 67- Lectr, South Carolina, 60-63 & 65. Part-time private practice, 59-65; partner, Gertz, Nickerson & Jones, 61-62. Psychol. Asn; Personnel & Guid. Asn. Development and application of measures for improved assessment and prediction of human behavior; teaching methods. Publ: Research needs in clinical psychology, Bull. Maritime Psychol. Asn, 7: 40-51; Patient needs and trained helper functions in the mental hospital, In: The community college in mental health training, South. Regional Ed. Bd, 66; co-auth, Personal responsibility and psychoactive drug taking behavior in discharged mental patients, Community Ment. Health J, 2: 202-204. Address: Dept. of Psychology, Asheville-Biltmore College, Asheville, N.C. 28801.
- NICKESON, DR. RICHARD CARROLL, b. Leesburg, Ohio, Dec. 14, 22; m. 46; c. 7. PSYCHOLOGY. B.S. St. Louis, 49; M.S. 51, Ph.D. (psychol), 64. Instr. PSYCHOL, ST. LOUIS, 50-56; asst. prof, 56-64, ASSOC. PROF, 64-, DIR, GUID. CENTER, 59- Res. consult, grad. nursing sch, Washington (St. Louis), 66- Counsr, Vet. Admin, 53-58. U.S.A.A.F., 41-46. Psychol. Asn; Personnel & Guid. Asn. Special evaluation problems in career counseling; effects of test score feed-back upon acceptance by the client. Address: Dept. of Psychology, St. Louis University, St. Louis, Mo. 63103.
- NICKOLS, DR. SHIRLEY A(NN), b. Omaha, Nebr, Nov. 7, 28; div; c. 3. PSYCHOLOGY. B.A. Vanderbilt, 57; M.A. Florida, 63, fel, 63-64, Ph.D. (psychol), 64. Interim instr. PSYCHOL, Florida, 63-64; ASST. PROF, Texas Christian, 64-65; OHIO, 66-, res. grant, 67-68. Consult, Ohio Crime Cmn. & Subcm. Law Enforcement, 68- Psychol. Asn. Conformity and social influence processes; perception of social causality; attitude measurement; small group behavior. Publ: Co-auth, Saliency and two measures of attitude, Psychol. Reports, 64. Address: Dept. of Psychology, Ohio University, Athens, Ohio 45701.
- NICOL, DR. HELEN O(STERRIETH), b. Berlin, Germany, Sept. 29, 06; nat; m. 44. ECONOMICS. A.B. Victoria-Luise Col, Germany, 26; Berlin, Germany, 26-27; M.S. Columbia, 42; Radcliffe Col, 43-44; Ph.D. George Washington, 48. Asst. econ, Harvard, 43-44; Brookings Inst, 44, 51-52, 58-59; instr. econ, Hawaii, 48-49; economist, Supreme Comdr. Allied Forces, U.S. Dept. Army, Japan, 49-51; instr. econ, Univ. Maryland Overseas Prog. to Germany, 55-57; George Washington, 57-58; ECONOMIST, manpower studies, U.S. Dept. Labor, 60-65; SOC. & REHAB. SERV. DEPT. HEALTH, ED. & WELFARE, 66- Econ. Asn; Pub. Welfare Asn. Economic studies of manpower, international trade and public finance; industry studies; income maintenance programs. Publ: Guaranteed income maintenance: A discussion of negative income tax plans, 4/66, A public welfare systems model, 11/66 & Another look at the debate, 6-7/67, Welfare in Rev. Address: Social & Rehabilitation Service, Dept. of Health, Education & Welfare, Washington, D.C. 20201.
- NICOLAY, PROF. ROBERT C, b. Centralia, Ill, Aug, 23; 24; m. 51; c. 7. PSYCHOLOGY. A.B. James Millikin, 48; M.A. Loyola (Ill), 50, Ph.D. (psychol), 54. Attend. psychologist, behav. clin, Cook County Criminal Court, Ill, 48-50; from instr. to PROF. PSYCHOL, LOYOLA (ILL), 50- Voc. counsr, Vet. Admin. Clin. Northwestern, 54; consult, Adv. in Mgt, 54-59; Munic. Court Chicago, 54-; St. Therese Hosp, Waukegan, Ill, 63-66; Soc. Security Admin, 64- Psychol. Asn; Personnel & Guid. Asn. Experimental and research approaches to the study of personality. Publ: Co-auth, Sexually deviant behavior in expectant fathers, J. Abnorm. Psychol, 66; auth, Anxiety as a correlate of personal problems, Psychol. Reports, 66; Growth and development, Selected Acad. Readings, 67. Address: Dept. of Psychology, Loyola University, 6525 N. Sheridan Rd, Chicago, Ill. 60626.
- NICOLSON, PROF. MIKLOS SZUCS, b. Budapest, Hungary, Oct. 18, 03; nat; m. 36; c. 2. BUSINESS ADMINISTRATION. Dr. Jur, Pázmány Peter Univ, Budapest, 38. Tax auditor, Internal Revenue Serv, Hungary, 34-38; pub. acct, 39-47; PROF. ECON. & BUS. ADMIN, PHILLIPS, 48- Lectr, Nat. Fedn. Cert. Pub. Accts, Budapest, 34-36, 41-42, 45-47. Econ. Asn; Am. Acct. Asn; Hist. Asn. Business entrepreneurial history; accounting and auditing. Publ: Co-auth, Principles of accounting & College business law; auth, Count Istvan Szechenyi, In: Explorations in entrepreneurial history. Address: Dept. of Economics & Business Administrations, Phillips University, Box 2271, University Station, Enid, Okla. 73201.
- NICOSIA, DR. FRANCESCO M, b. Milano, Italy. BUSINESS ADMINISTRATION. Dr. (econ. & comm), Rome, 50; Ph.D. (bus. admin), California, Berkeley, 61.

- Asst. prof. mkt. & mgt, Rome, 50-59; assoc. prof. BUS. ADMIN, GRAD. SCH. BUS. ADMIN, CALIFORNIA, BERKELEY, 65-68, PROF, 68- Smith & Mundt fel, 53-54. Consumer behavior; advertising and marketing research; applications of behavioral sciences to business problems; survey research methods. Publ: Management of public utilities, Ateneo, Rome, 60; Consumer decision processes, Prentice, 66. Address: 2220 Piedmont Ave, Berkeley, Calif. 94720.
- NIDA, DR. EUGENE A(LBERT), Ling, Anthropol, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- NIDDRIE, PROF. DAVID LAWRENCE, b. Kimberley, S. Africa, July 18, 17; m. 45; c. 1. GEOGRAPHY. B.Sc. Natal, 37, U.E.D. 38, M.Sc. 48; Ph.D. (geog), Manchester, 65. Lectr. GEOG, Natal, 39-50, Manchester, 50-66; PROF. FLORIDA, 66- Vis. prof, Southern Illinois, 61-62 & 65-66; Puerto Rico, 61 & 66. R.N. 42-47, Lt. Comdr. Geomorphology; climatology; labor migration and transportation; economic development in Southern Africa and British Caribbean; land use and settlement. Publ: When the earth shook, Hollis & Carter, 61; Land use and settlement in Tobago, Geog. Pub, 62; South Africa: nation or nations, Van Nostrand, 68. Address: Dept. of Geography, University of Florida, Gainesville, Fla. 32601.
- NIDEVER, DR. JACK E(DWARD), b. Fresno, Calif, Mar. 6, 25; m. 48; c. 3. PSYCHOLOGY. B.A. Pomona Col, 50; M.A. Pennsylvania, 52; Ph.D. California, Los Angeles, 59; Beatrice M. Hinkle fel, Jung Inst, Zurich, 63-65, dipl, 65. Asst. electroencephalog, California, Los Angeles, 53-54, action potentials, 56-58, res. psychologist, alcoholism clin, med. sch, 58-59; asst. soc. scientist, air defense training prog, Rand Corp, 54-56; sys. analyst, comput. dept, Gen. Elec. Co, 59; staff psychologist, Adv. Sys. Develop. Lab, Int. Bus. Mach. Corp, 59-62; staff psychologist, Mendocino State Hosp, Talmage, Calif, 65-66; assoc. prof, Sonoma State Col, 66; clin. psychologist, dept. psychiat, Santa Clara Valley Med. Center, San Jose, Calif, 66-67; child develop. clin, 67; STAFF PSYCHOLOGIST, AGNEWS STATE HOSP, SAN JOSE, 67-; CLIN. PSYCHOLOGIST, ASSOC. PSYCHOLOGISTS, SAN JOSE, 68- Instr, exten. prog, California, 61. C.Eng, U.S.A., 43-46. Psychol. Asn. Analytical and clinical psychology; marathon and encounter groups; physiological criteria of conscious state. Publ: Communication between ego and non-ego: an exploratory study, Jung Inst, Zurich, 65. Address: 113 Albert Court, Los Gatos, Calif. 95030.
- NIEBUHR, PROF. HERMAN, JR, b. New York, N.Y., Dec. 13, 26; m. 50; c. 2. PSYCHOLOGY. B.S. City Col. New York, 48, M.S. 50; Ph.D. (psychol), Pennsylvania, 55. Intern PSYCHOL, Vet. Admin, 50-54; from instr. to assoc. sch. med, Pennsylvania, 54-57; asst. prof, SCH. MED, TEMPLE, 57-61, ASSOC. PROF. & DIR. CENTER COMMUNITY STUDIES, 61-, ASSOC. V.PRES. URBAN AFFAIRS, 67- Consult, Abington Mem. Hosp, Pa, 56-; United Cerebral Palsy Asn, Phila, 57-; Sch. Dist. Phila, Stern Family Fund, New York, Off. Econ. Opportunity & Dept. Housing & Urban Develop, 66- Mem. manpower training adv. cmt, Pa. State Employ. Serv. U.S.N.R., 45-46. Psychol. Asn. Application of behavioral sciences in medical education and clinical medicine; experimental psychopathology; social psychiatry. Address: 806 W. Sedgewick St, Philadelphia, Pa. 19119.
- NIEBURG, PROF. HAROLD LEONARD, b. Philadelphia, Pa, Nov. 26, 27; m. 58; c. 4. POLITICAL SCIENCE. Ph.B. Chicago, 47, A.M. 52, Danforth Found. fel, 60-61, Ph.D. (polit. sci), 61. Instr. polit. sci, San Antonio Col, 53-54; Illinois State, 56-57, asst. prof, 57-59; asst. dir. center govt. progs, Univ. Chicago, 60-61; asst. prof. POLIT. SCI, Case Western Reserve, 61-63; assoc. prof, WISCONSIN, MILWAUKEE, 63-67, PROF, 67- Rockefeller Found. fcls, 62-63 & 65-66. Mem, Ill. State Exec. Cmt, Nat. Citizenship Clearing House, 57-60; Midwest Conf. Polit. Sci, 53- AAAS; Polit. Sci. Asn. National research and development policy; social, political and economic aspects of science and technology; ecology of political groups; pressure and interest groups; international affairs and military strategy. Publ: Nuclear secrecy and foreign policy, Pub. Affairs, 64; In the name of science, Quadrangle, 66; Violence, law and the social process, Am. Behav. Scientist, 3/68. Address: Dept. of Political Science, University of Wisconsin, Milwaukee, Wis. 53211.
- NIEBYL, ELIZABETH HALE, b. Boston, Mass, June 11, 12; m. 45; c. 2. ECONOMICS. A.B. Vassar Col, 34; American Univ, 35-36, 41-42; Ga. Inst. Tech, 42-43; McGill, 49-52. Asst. Resettlement Admin, 35-37; analyst, Nat. Housing Authority, 39-41; assoc. housing mgt. supvr, Fed. Pub. Housing Authority, 41-43; dir. housing surv, Plattsburgh, N.Y., 50, cmnr. & exec. secy, Housing Cmn, 50-51, chmn. & cmnr, Housing Authority, 51-53; housing economist, Econ. Res. Assocs, 54-56; EXEC. DIR, HOUSING AUTHORITY, Franklin Twp, N.J., 56-60, GLASSBORO, N.J., 61- Mem. urban renewal study, State Bur. Planning, N.J., 60. Consult, Fred L. Lavanburg Found, 55-56. U.S.N.R., 45. Econ. Asn. Housing authorities and redevelopment activities in small cities. Publ: Housing situation in Plattsburgh; Program for housing in Mahwah, New Jersey. Address: 300 Hamilton Rd, Glassboro, N.J. 08028.
- NIEBYL, PROF. KARL H(EINRICH), b. Karolinenthal, Czech, June 30, 06; m; c. 2. ECONOMICS. Inst. Tech. Hannover, 23-24; Paris, 29-30; Berlin, 30-31; A.M. Frankfurt, 32; London Sch. Econ, 32-34; fel, Wisconsin, 34-35, Ph.D. 36. Asst, Wisconsin, 35-36; from instr. to asst. prof. econ, Carleton Col, 36-40, mem, res. fund, Eng, France & Switz, 38; adv. monetary & fiscal policies, consumer div, adv. cmn, coun. nat. defense, Off. Price Admin, 40-41; assoc. prof. econ. & chmn. grad. dept, Tulane, 41-43; prof, Texas, 46; Black Mountain Col, 46-47; prof. & chmn. dept, Champlain Col, State Univ. N.Y., 47-53; chmn. dept. econ. & bus. admin, Muskingum Col, 53-54; econ. & financial consult. & partner, Econ. Res. Assocs, 54-65; vis. prof. ECON, TEMPLE, 64-66, PROF, 66- Soc. Sci. Res. Coun. res. grant, Harvard, 40; lectr, New Sch. Soc. Res, 56-65. U.S.N.R., 43-45. Econ. Asn; Finance Asn; Am. Econ. Hist. Asn; Brit. Econ. Hist. Soc; Royal Econ. Soc. Monetary theory and policy; international trade; economic history and theory. Publ: Background of economic analysis; Studies in the classical theories of money; Historical change in the function of capital export. Address: 300 Hamilton Rd, Glassboro, N.J. 08028.
- NIEDERCORN, DR. JOHN H(ERMAN), b. Perth Amboy, N.J., Feb. 12, 34; m. 67. ECONOMICS, ECONOMETRICS. B.A. Yale, 56; Soc. Sci. Res. Coun.

fel, Harvard, 56-57, Rotary Found. fel, 57-58, M.A., 59, Nat. Sci. Found. fel, 59-61, univ. fel, 59-61, Ph.D.(econ), 61. Assoc. economist, Rand Corp, 61-64; ASST. PROF. econ, San Fernando Valley State Col, 64-67; ECON. & URBAN & REGIONAL PLANNING, SOUTHERN CALIFORNIA, 67- Econ. Asn; Economet. Soc; Regional Sci. Asn; Statist. Asn. Urban and regional growth and development; optimal structural organization of urban areas; mathematical models of urban communities. Publ: An econometric model of metropolitan employment and population growth, 63, co-auth, Recent land use trends in forty-eight large American cities, 63 & The impact of urban renewal on land use, 64, Rand Corp. Address: 21503 Marchena St, Woodland Hills, Calif. 91364.

NIEDERHOFER, PROF. ARTHUR, b. New York, N.Y., Oct. 26, 17; m. 43; c. 3. SOCIOLOGY. B.A., Brooklyn Col, 37, M.A., 56; LL.B., Brooklyn Law Sch, 39; Ph.D.(sociol), N.Y. Univ, 63. From patrolman to lt, Police Dept, New York, 40-61; lectr. SOCIOL, Queens Col.(N.Y.), 61-62; asst. prof, Hofstra, 62-67; PROF. JOHN JAY COL, CITY UNIV. NEW YORK, 67- Lectr. police admin, Baruch Sch, City Col. New York, 57-61. AAAS; Sociol. Asn. Delinquency; work and professions; ideology; law and society. Publ: Co-auth, The gang: a study in adolescent behavior, Philos. Library, 58; auth, Behind the shield; the police in urban society, Doubleday, 67. Address: Dept. of Sociology, John Jay College of Criminal Justice, City University of New York, 315 Park Ave. S, New York, N.Y. 10010.

NIEHANS, PROF. JURG, b. Bern, Switz, Nov. 8, 19; m. 47; c. 3. ECONOMICS. Dr.(econ), Zurich, 46. Assoc. prof. ECON, Zurich, 53-56, PROF, 56-66; HOPKINS, 66- Vis. prof, Hopkins, 61-62. Am. Econ. Asn; Swiss Soc. Statist. & Econ; German Soc. Econ. & Social Sci. Economic theory; monetary theory. Address: Dept. of Political Economy, Johns Hopkins University, Baltimore, Md. 21218.

NIEHAUSE, PROF. FRED R(AYMOND), b. Whiting, Kans, June 24, 99. FINANCE. A.B., Washburn Col, 23; M.B.A., Harvard, 28; Ph.D., Stanford, 38. Asst. prof. econ, Washburn Col, 28-35, assoc. prof, 35-36; asst. prof. FINANCE, COLORADO, 36-39, assoc. prof, 39-46, prof, 46-67, EMER. PROF, 67- Vis. prof, grad. sch. bus, Stanford, 53-54. Consult. economist, Fed. Deposit Ins. Corp, 46-52. Econ. Asn; Finance Asn. Publ: Development of banking in Colorado; contrib, Proper monetary and banking system for the United States; Seventy years of progress, history of banking in Colorado, 1876-1946. Address: 764 15th, Boulder, Colo. 80302.

NIEHOFF, DR. ARTHUR H, b. Indianapolis, Ind, Dec. 30, 21; m. 46; c. 1. ANTHROPOLOGY. B.A., Indiana, 49; Pennsylvania, 50; Ph.D.(anthrop), Columbia, 57. Asst. curator, Milwaukee Pub. Mus, 51-59; adv. community develop, U.S. Agency Int. Develop, Laos, 59-61; asst. prof. anthrop, Wisconsin, Milwaukee, 61-63; res. scientist, HumRRO, George Washington, 63-68; PROF. ANTHROP, CALIF. STATE COL. LOS ANGELES, 68- Assoc. prof, Mich. State, 67. Dir, Study Diffusion of Innovations, Nigeria, 66. Lapham medal, 60. U.S.A.F., 41-45. Fel. Anthropol. Asn; fel. Soc. Appl. Anthropol. Process of innovation in local communities of the developing countries; community development; culture change. Publ: Co-auth, Introducing social change, 64 & Casebook of social change, 66, Aldine; auth, East Indians in the West Indies, Milwaukee Pub. Mus, 60. Address: Dept. of Anthropology, California State College at Los Angeles, Los Angeles, Calif. 90032.

NIELANDER, PROF. WILLIAM A(HLERS), b. Pittsburgh, Pa, Oct. 27, 01; m. 28; c. 2. MARKETING. B.S., Pittsburgh, 30; M.S., Columbia, 31, univ. fel, 31-32, Ph.D., 45. Chief mkt. br, Am-Shrivenham Univ, Eng, 45; prof. mkt, Texas, 36-48; prof. mkt. & mgt. & chmn. dept. mkt. mgt. & statist, Hofstra Col, 48-53; prof. bus. & head dept, Wichita, 53-58, dean col. bus. admin. & indust, 53-58; PROF. MKT. & CHMN. DEPT, ARIZONA STATE, 58- SEATO fel, 67. Mgr, William Nieland, Inc, Pa; Korger Co; dir. food distribution, State Emergency Relief Admin, Pa; Fed. Surplus Relief Admin; food rationing, Off. Price Admin, D.C.; asst. to dir, Off. Coord. Inter-Am. Affairs; dir. bus. admin, Am. Inst. Coop; chmn, Ford Found-Nat. Lutheran Coun. Econ. Proj, Indonesia, 61-63. U.S.A., 45, Lt. Col. Mkt. Asn; Soc. Adv. Mgt; Pub. Rels. Res. Asn; Acad. Mgt. Management; public relations. Publ: Public relations; Readings in management; Wartime food rationing in the United States. Address: Dept. of Marketing, Arizona State University, Tempe, Ariz. 85281.

NIELSEN, PROF. A(KSEL) EVALD, b. Reinbeck, Iowa, May 30, 97; m. 52. ECONOMICS. B.A., Iowa State Teachers Col, 20; M.A., Columbia, 24, Roberts fel, 26-27, Ph.D.(econ), 45. Instr. econ, City Col. New York, 27-31; economist & commodity analyst, U.S. Govt, 41-47; assoc. prof. bus. statist. & corp. finance, Bowling Green State, 47-49; economist & commodity analyst, Nat. Prod. Admin, 51-52; acting head dept. econ, Roanoke Col, 54-55; assoc. prof. econ, Tampa, 56-60; prof. bus. admin, Findlay Col, 60-64; vis. prof. ECON, Lebanon Valley Col, 64-65; PROF, Belhaven Col, 65-66; N.C. Wesleyan Col, 66-67; FRANKLIN COL, 67- Statist. Asn. Statistics; money, credit and banking; monetary theory and banking. Publ: Production credit for southern cotton growers. Address: Dept. of Economics, Franklin College, Franklin, Ind. 46131.

NIELSEN, DR. DARWIN BLAINE, b. Logan, Utah, Sept. 26, 32; m. 52; c. 4. AGRICULTURAL ECONOMICS, STATISTICS. B.S., Utah State, 60, Earhart Found. fel, 61-62, M.S., 62; Ph.D.(agr. econ), Oregon State, 65. Agr. economist, econ. res. serv, U.S. Dept. Agr, 64-65; ASST. PROF. AGR. ECON, UTAH STATE, 65- Consult, U.S. Forest Serv, 66-67. U.S.A.F., 51-55, S/Sgt. Agr. Econ. Asn; Soc. Range Mgt. Problems of resource allocation between competing uses in the area of natural resources. Publ: Co-auth, Federal range use and improvement, Oregon State, 66; auth, Economics of range improvement, 67 & The potential impact of alternative fee adjustments, 67, Utah State. Address: Dept. of Agricultural Economics, Utah State University, Logan, Utah 84321.

NIELSEN, DR. DOROTHY P(RESTON), b. Marshall, Ill, Apr. 4, 10; wid. CLINICAL PSYCHOLOGY, SPEECH PATHOLOGY. A.B., Denver, 47, M.A., 52, fel, 56-57, Ph.D.(clin. psychol, speech path), 57. Teacher, pub. schs, Colo, 48-51; dir. speech & hearing center, Alaska Crippled Children's Asn, 59-61; clin. psychologist, W.Cent. Ment. Health Center, 61-64; PSYCHOLO-

GIST, NILES TOWNSHIP DEPT. SPEC. ED, 64- Consult, Willmar State Hosp, Minn, 62-64. Speech & Hearing Asn; Psychol. Asn. Investigation of the relationship between the movement responses on the Rorschach and verbal usage; mental health. Publ: A students observations, Sociatry. Address: 2722 Central St, Evanston, Ill. 60201.

NIELSEN, N(IELS) H(OEG), Econ, see 10th ed, Soc. & Behav. Vols.

NIELSEN, PROF. OSWALD, b. Sioux City, Iowa, Nov. 28, 04; m. 33; c. 2. ECONOMICS. Ph.B., Chicago, 29; Ph.D.(econ), Minnesota, 36. Teacher, grad. sch, U.S. Dept. Agr. & American Univ, 36-42; lectr, Minnesota, 46-48; PROF. ACCT, GRAD. SCH. BUS, STANFORD, 48- Res. economist & statistician, U.S. Dept. Commerce & U.S. Dept. Agr, 36-41; chief compliance dept, War Prod. Bd, 42-43; controller, Lewis Bolt & Nut Co, Minn, 43-48. Consult, U.S. Gen. Acct. Off, 61. U.S.N., 41-42. Econ. Asn; Am. Acct. Asn; Nat. Asn. Acct; Financial Exec. Inst; Budget Exec. Inst. Publ: Collab, Cost of medical care for the aged; ed, University administration in practice, Grad. Sch. Bus, Stanford, 59; auth, Cases in auditing, Irwin, 65. Address: Graduate School of Business, Stanford University, Stanford, Calif. 94305.

NIELSEN, DR. OTTO R(ICHARD), b. Omaha, Nebr, Dec. 24, 05; m. 35; c. 3. PSYCHOLOGY. B.A., Texas Christian, 33, B.D., 35, M.A., 40; Ph.D.(psychol, ed. psychol), Texas, 42. Dean of men, dir. student personnel & asst. prof. psychol, Texas Christian, 33-40; dir. personnel res. & instr. ed. psychol, Texas, 40-42, asst. to dean col. arts & scis, 41-42; prof. psychol. & dean, Tex. Col. Arts & Indust, 42-50; grad. prof. psychol, Texas Christian, 50-67, exec. v.p.res, 50, dean & dir. teacher ed, 52-67; PROF. PSYCHIAT. & EXEC. V.PRES, UNIV. OF THE AMERICAS, 67- Instr. eng. sci. & mgt. war training, South. Alkali Corp, 43-44, consult, 44; Gen. Dynamics Corp, 50-; chief div. human resources develop, Agency Int. Develop. mission, Guatemala, 63-67, adv. to dir. mission, Venezuela, 66; spec. consult, Ministry Planning, Brazil, 66. Fel. Psychol. Asn. Application of the experimental method in evaluating certain college personnel procedures. Address: Universidad de las Americas, Km. 16, Carretera Toluca, Mexico 10, D.F.

NIELSEN, DR. ROBERT S, b. Kentucky, Australia, Feb. 16, 21; m. 43; c. 2. ECONOMICS, STATISTICS. B.Ec, Sydney, 50; M.A., California, 58, Ph.D., 58. Economist, Standard Oil Co, Calif, 56-58; asst. prof. bus, San Jose State Col, 59-60; dir. res. P & P Orient Linea, Inc, Calif, 60-65; dir. mkt. res, East. Airlines, 65-68; V.PRES, SIMAT, HELLESEN & EICHNER, INC, 68- Royal Australian Air Force, 41-45, Flight Lt. Econ. Asn. Economic and business research, especially transportation; marketing and market research. Publ: Oil tanker economics. Address: Simat, Helleisen & Eichner, Inc, Ring Bldg, Suite 206, Washington, D.C. 20036.

NIELSEN, WALDEMAR A, b. Greensburg, Pa, Mar. 27, 17; m. 31; c. 1. ECONOMICS. A.B. & B.S., Missouri, 38, M.S., 39; Rhodes scholar, Oxford, 39-40; Wisconsin, 40. Field dir, div. prog. surv, bur. agr. econ, U.S. Dept. Agr, 40-43; dir. pub. opinion studies, U.S. Dept. State, 46-47; spec. asst. to Secy. Commerce, 47-48; dep. dir. European Info. Div, Off. U.S. Spec. Rep. Europe, 48-51, dir, 51-52; dep. dir. behav. sci. div, Ford Found, 52-53, asst. to pres, 53-56, assoc. dir. int. affairs prog, 56-61; PRES, AFRIKAN-AM. INST, 61- Consult, U.S. Dept. Housing & Urban Develop. & Doxiadis Assocs, Greece, 66- Exec. dir, President's Cmt. U.S. Info. Activities Abroad, D.C., 60; dir. U.S. Nat. Cmn. UNESCO & For. Policy Asn, 66-; mem, Coun. For. Rels, sr. fel, 67- U.S.N., 43-45. Econ. Asn; Polit. Sci. Asn. Underdeveloped areas. Publ: African battleline, Harper, 65; Africa, In: Encyclopaedia Britannica, Atheneum, 66. Address: 15 E. 91st St, New York, N.Y. 10028.

NIELSON, PROF. A(LFRED) MELVILLE, b. North Baltimore, Ohio, Mar. 11, 20; m. 48; c. 2. SOCIOLOGY. B.S., Bowling Green State, 42; M.A., Ohio State, 47, Ph.D.(sociol), 55. Asst. prof. SOCIOL, NEW HAMPSHIRE, 50-56, ASSOC. PROF, 56- U.S.A., 42-46, Lt. Sociol. Asn. Minority group relations. Publ: Awareness of in-group attitudes. Address: 8 Chesley Dr, Durham, N.H. 03824.

NIELSON, DR. HAROLD C(LARKE), b. Helper, Utah, May 31, 30; m. 51; c. 1. PHYSIOLOGICAL PSYCHOLOGY. B.S., Utah, 55, M.S., 56, U.S. Pub. Health Serv. fel, 59, Ph.D.(physiol. & comp. psychol), 60. Asst. psychol, Utah, 55-59; res. psychologist, Vet. Admin. Hosp, Kansas City, Mo, 59-61, chief res. psychologist, 61-62, chief psychol. res, Sepulveda, Calif, 62-66; ASSOC. PROF. PSYCHOL, UTAH, 66- Assoc. med. center, Kansas, 59-62; lectr, Univ. Kansas City, 60-61; asst. res. anatomist, California, Los Angeles, 62-66. U.S.A., 51-53, Res, 53-59. Psychol. Asn. Brain functioning and learning; nervous system and behavior; perception, learning and motivation. Address: Dept. of Psychology, University of Utah, Salt Lake City, Utah 84112.

NIELSON, DR. HOWARD CURTIS, Statist, Math, see 11th ed, Phys. & Biol. Vols. & Suppl. IV.

NIELSON, PROF. JAMES M(ELVIN), b. Marysville, Kans, Dec. 30, 21; m. 47; c. 2. AGRICULTURAL ECONOMICS. B.S., Kansas State, 47; M.A., Harvard, 51, Ph.D., 53. Assoc. county agr. agent, Kansas State, 47-48; asst. prof. AGR. ECON, Mich. State, 51-55, assoc. prof, 55-60, prof, 61-65; PROF. & CHMN. DEPT, WASHINGTON STATE, 65- U.S.A., 42-46, Capt. Am. Agr. Econ. Asn.(ed, J. Farm Econ, 62-65, v.p.res, 67-68); Int. Asn. Agr. Econ. Farm management and production economics; farmers' values, goals and decision making processes. Publ: Improved managerial processes for farmers, J. Farm Econ; Managerial requirements of farm firms 1980, Proc. Conf. Struct. Changes Agr. Center Agr. & Econ. Develop, Iowa State, 64; The change agent and the process of change, Mich. Agr. Exp. Sta. Res. Bull, 67. Address: Dept. of Agricultural Economics, Washington State University, Pullman, Wash. 99163.

NIEMEYER, PROF. GERHART, b. Essen, Germany, Feb. 15, 07. POLITICAL SCIENCE. Cambridge, 25-26; Munich, 26-27; LL.B., Kiel, 30; J.U.D., 32. Lectr. law, Madrid, 33-34, in charge courses, Fedn. Anns. Int. Spanish Studies. & mem. res. faculty, Inst. Studies Int. Econ, 34-36; lectr. polit, Princeton, 37-39, asst. prof, 40-44; prof. polit. sci, Oglethorpe, 44-51; mem. staff,

U.S. Dept. State, 50-53; Coun. For. Rels, 53-55; PROF. POLIT. SCI, NOTRE DAME, 55- Vis. prof, Yale, 54-55; mem. faculty, Nat. War Col, 58-59; vis. prof, Vanderbilt, summers, 61-66; Fulbright prof, Munich, 62-63. Polit. Sci. Asn; Soc. Polit. & Legal Philos. International relations and organization; political theory. Publ: An inquiry into Soviet mentality; co-auth, Handbook on Communism; Facts on communism, In: Vol. I, The communist ideology. Address: 806 E. Angela Blvd, South Bend, Ind. 46617.

NIEMI, DR. RICHARD G(ENE), b. Green Bay, Wis, Jan. 10, 41; m. 62; c. 2. POLITICAL SCIENCE. B.A. Lawrence Col, 62; Woodrow Wilson fel, Michigan, 62-63, Nat. Defense fel, 62-65, Nat. Sci. Found, 65-66, Ph.D.(polit. sci), 67. ASST. PROF. POLIT. SCI, ROCHESTER, 67- Polit. Sci. Asn. Political socialization; mathematical models, especially related to the paradox of voting. Publ: Co-auth, The transmission of political values from parent to child, Am. Polit. Sci. Rev, 68; A mathematical solution for the probability of the paradox of voting, Behav. Sci, 68; auth, Collecting information about the family: a problem in survey methodology, In: Political socialization, Wiley, 69. Address: 148 College Complex Circle, Apt. 7, Rochester, N.Y. 14623.

NIEMIEC, DR. LEON J(OSEPH), b. Easthampton, Mass, Apr. 11, 21; m. 53; c. 2. HEALTH SCIENCE ADMINISTRATION. B.B.A. Miami (Fla), 51; M.S. Columbia, 53; Am. Col. Hosp. Adminstr. scholar, Iowa, 60, Voc. Rehab. Admin. fel, 62, Ph.D.(hosp. & health admin), 63. Admin. resident, sch. med, Miami (Fla)-Jackson Mem. Hosp, 52-53; admin. asst, St. Barnabas Hosp, New York, 53-57; adminstr, Lake Worth Gen. Hosp, Fla, 57-58; prog. dir. health admin, Rehab. Center Crippled Children & Adults, Miami, Fla, 58-60; health scientist adminstr, Nat. Insts. Health, 64-67; REGIONAL MED. LIBRARY OFFICER, NAT. LIBRARY MED, BETHESDA, 68- Med.Serv.C, U.S.A, 42-46, Res, Maj. AAS; Pub. Health Asn; Acad. Polit. & Soc. Sci; Hosp. Asn. Hospital and health administration; comprehensive rehabilitation; operations research; systems research; health science administration and communications. Address: 4411 Westbrook Lane, Kensington, Md. 20795.

NIENBURG, BERTHA M. von der, Indust. & Soc. Econ, see 10th ed, Soc. & Behav. Vols.

NIELSEN, DR. KAJ L(EO), Math, see 11th ed, Phys. & Biol. Vols.

NIETMANN, PROF. JAMES A(ARTHUR), Govt, see 10th ed, Soc. & Behav. Vols.

NIEUWEJAAR, PROF. OTTO, Econ, see 10th ed, Soc. & Behav. Vols, deceased 65.

NIGHSWONGER, DR. WILLIAM ASA, b. Oklahoma City, Okla, Dec. 13, 29; m. 57; c. 5. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A. Oklahoma City Univ, 51; B.D. Southern Methodist, 54; M.A. American Univ, 65, Ph.D.(int. rels), 66. Asst. to pres, World Neighbors, Inc, 57-62; develop. officer, Vietnam area, U.S. Agency Int. Develop, 62-65; res. assoc. ops. res, American Univ, 65-66; asst. prof. POLIT. SCI, SONOMA STATE COL, 66-68, ASSOC. PROF, 68- Res. scientist, Human Sci. Res, Inc, Va, summer 66. Consult, Hist. Eval. & Res. Orgn, summer 65; U.S. Agency Int. Develop, 65- Mem, Santa Rosa Sch. Bd, 68- Nat. Guard & U.S.A.R, 62-66, 1st Lt. Polit. Sci. Asn; Soc. Pub. Admin; Soc. Int. Develop. Political development in emerging nations; administration of cross-national programs; systems and foreign policy analysis; methods of informal communication in interstate behavior. Publ: co-auth, War without guns: American civilians in rural Vietnam, 65 & auth, Rural pacification in Vietnam, 66, Praeger. Address: Dept. of Political Science, Sonoma State College, 1801 E. Cotati Ave, Rohnert Park, Calif. 94928.

NIGHTINGALE, PROF. E(DMUND) A(NTHONY), b. St. Paul, Minn, July 17, 03; m. 37; c. 2. ECONOMICS. B.B.A. Minnesota, 33, M.A. 36, Ph.D.(econ), 44. Asst. econ, MINNESOTA, MINNEAPOLIS, 33-34, asst, 34-36, instr. ECON. TRANSPORTATION, 36-44, asst. prof, 44-47, assoc. prof, 47-52, PROF, 52- Consult. transportation economist, State Resources Cmn. & State Iron & Rehab. Cmn, Minn, 41-48; State R.R. & Warehouse Cmn, 41- legis. interim cmt, 56-58; prin. transportation economist, War Prod. Bd, D.C., 42-43; consult. to dir. mil. traffic serv, Off. Secy. Defense, 50-53; Mayor's Citizen's Adv. Cmt, St. Rwy. & Bus. Matters, Minneapolis, 52-53; State Attorney Gen, Minn, 56-; consult. & mem. res. cmt, Minn. Adv. Gov. Transportation Conf, 65-; consult, transportation companies, 67- Mem, transportation res. adv. cmt, U.S. Dept. Agr, 60-66, v.chmn, 61-62, Int. prize, Pan. Am. Rwy. Cong, 53. Am. Econ. Asn; Am. Agr. Econ. Asn; Am. Soc. Traffic & Transportation; Transportation Res. Forum; Asn. Interstate Commerce Cmn. Practitioners; Can. Agr. Econ. Asn; Royal Econ. Soc. Transportation economics; national transportation policy; traffic and physical distribution management; administrative law and procedures; some economic effects of new transportation technologies upon transportation pricing; inter-regional competition and regional development, especially the railway grain-rate structure. Publ: Co-auth, Transportation problems and policies in the trans-Missouri west, Univ. Nebraska, 67; auth, Uniform freight classification and uniform class rates; A critique of American transportation policy developments, Interstate Commerce Cmn. Practitioners' J, 4-5/63. Address: Graduate School of Business Administration, University of Minnesota, Minneapolis, Minn. 55455.

NIGHTINGALE, DR. MICHAEL F(REDERICK) P(ETER), Appl. Statist, see 10th ed, Soc. & Behav. Vols.

NIGRO, PROF. FELIX ANTHONY, b. Brooklyn, N.Y, Aug. 8, 14; m. 38; c. 2. PUBLIC ADMINISTRATION. A.B. Wisconsin, 35, M.A. 36, fel. & Ph.D. (polit. sci), 48. Intern, Pub. Admin. Serv, 37-38; researcher, Soc. Sci. Res. Coun, 38-39; admin. analyst, Nat. Res. Planning Bd, 39-40; chief classification sec, Nat. Youth Admin, 40-42; admin. analyst, War Shipping Admin, 43-44; asst. personnel officer, Nat. Housing Agency, 44-45; admin. analyst, UNRRA, 45-46; mem. staff, Griffenhagen & Assocs, 46-47; asst. prof. polit. sci, Texas, 48-49; vis. prof. pub. admin. Puerto Rico, 49-51, assoc. prof, 54-55; Fla. State, 51-52; pub. admin. adv. Inst. Inter-Am. Affairs, 52-54; PROF, pub. admin, UN Adv. Sch. Pub. Admin, Cent. Am, 56-57; govt, Southern Illinois, 57-61; POLIT. SCI, San Diego State Col. 61-65; DELAWARE, 65- Sr.

assoc, J.L. Jacobs & Co, 54; vis. prof, sch. pub. admin, Southern California, 60. Summers, vis. prof, San Jose State Col, 61, Wisconsin, 64, sch. pub. admin, Southern California, 66 & 67. Chmn. personnel bd, New Castle County, Del, 67- Polit. Sci. Asn; Soc. Pub. Admin; Soc. Personnel Admin; Pub. Personnel Asn; Asn. Latin Am. Studies. Public, personnel and comparative administration; American national government. Publ: Public administration: readings and documents, 51; Public personnel administration, 59; Modern public administration, Harper, 65. Address: Dept. of Political Science, University of Delaware, Newark, Del. 19711.

NIKELLY, DR. ARTHUR G(EORGE), b. Evanston, Ill, Apr. 7, 27. CLINICAL PSYCHOLOGY. B.A. Roosevelt, 54, M.A. 55; Ph.D.(clin. psychol), Ottawa, 59. Intern, Elgin State Hosp, Ill, 55; staff psychologist, Jacksonville State Hosp, 55-56; CLIN. PSYCHOLOGIST & ASSOC. PROF. HYG, MENT. HEALTH DIV, ILLINOIS, URBANA, 59- Psychol. consult, Peace Corps. & two denominational mission bds. to eval. their candidates. U.S.A, 50-52. Psychol. Asn; Col. Health Asn; Soc. Adlerian Psychol. Perception; psychotherapy; projective techniques. Publ: Mental health for students: a guide for adjusting to college, C.C. Thomas, 66; Hypothesis theory and perceptual responses to inkblots, J. Proj. Tech, 25: 75-80. Address: 1109 S. Lincoln Ave, Urbana, Ill. 61801.

NILAND, PROF. POWELL, b. Dunmore, Pa, Nov. 6, 19; m. 45; c. 2. BUSINESS ADMINISTRATION. B.S. Scranton, 42; M.B.A. Harvard, 48, D.C.S., 53. Res. asst, sch.-bus, Harvard, 48-49, instr, 49-51, asst. prof, 51-57; assoc. prof, WASHINGTON (ST. LOUIS), 57-58, PROF. MGT, 58- Consult, Army Command Mgt. Sch, Ft. Belvoir, Va, 56-57; U.S. Dept. State, 65-66. U.S.N.R, 42-45, Lt. Fel. Acad. Mgt; Ops. Res. Soc. Am; Inst. Mgt. Sci; Econ. Asn. Factory automation; production planning and control; managerial decision-making. Publ: Management problems in the acquisition of special automatic equipment, Div. Res, Harvard Univ. Bus. Sch, 61; co-auth, Making management decisions, Houghton, 68. Address: Washington University Graduate School of Business Administration, Prince Hall 122, St. Louis, Mo. 63130.

NILSSON, PROF. ARTHUR E(DWARD), b. Boston, Mass, July 22, 00. ECONOMICS. B.S. Tufts Col, 22; M.B.A. Harvard, 24; Ph.D. Yale, 31; Western Reserve, 32-33. From asst. prof. to assoc. prof. econ, Col. William & Mary, 24-27; instr. polit. econ, Yale, 27-29; assoc. prof. econ, Oberlin Col, 29-38, PROF, 38-48; FINANCE, GRAD. SCH. BUS. & PUB. ADMIN, CORNELL, 48- Economist, Governor's Taxation Cmt, Ohio, 30-31; head security analyst, Securities & Exchange Cmn, 34-37; econ. adv, Nat. Defense Cmn, 40; vis. lectr, Harvard, 42-46. Consult, Off. Price Admin, 41-42; Coop. G.L.F. Exchange, Inc, 49-; Mohawk Air Lines, Inc; P & C Food Markets, Inc. Econ. Asn; Finance Asn; Am. Acct. Asn. Corporation finance; securities regulation. Address: Gulf Rd, Ludlowville, N.Y. 14862.

NILSSON, DR. KARL ROBERT, b. Kearny, N.J, Nov. 14, 27; m. 50; c. 3. POLITICAL SCIENCE. B.A. Temple, 51; Hopkins fel, Bologna Center, 55-56; M.A. Hopkins, 57; Ph.D.(int. rels), Columbia, 64. Asst. prof. POLIT. SCI, Monmouth Col.(N.J), 56-61; DICKINSON COL, 62-65, ASSOC. PROF, 65-, dir. center int. studies, Italy, 65-67. Consult, George Washington Univ, spring 67. U.S.A.A.F, 45-47. Polit. Sci. Asn; Inst. Polit. Sci. Asn. Italian politics: the opening to the left; internal decision-making of the majority Christian-Democracy party. Publ: Italy's opening to the left, 1/64 & Dismantling the barricades, 11/66, Worldview; Gustavo Lagos: international stratification and underdeveloped countries, Southwest. Soc. Sci. Quart, 3/64. Address: Dept. of Political Science, Dickinson College, Carlisle, Pa. 17013.

NIMBARK, DR. ASHAKANT D, b. Gujarat, India, Sept. 20, 34. SOCIOLOGY. ANTHROPOLOGY. B.A. Gujarat Univ, India, 57; fel, Amherst Col, 57-58; fel, California, Berkeley, 58-59; fel. & M.A. Fisk, 61; fel. & Ph.D.(sociol), New Sch. Soc. Res, 66. Instr. SOCIOL, Douglass Col, Rutgers, 61-64; asst. prof, Russell Sage Col, 64-65, Rensselaer Polytech, 65-67; ASSOC. ADELPHI SUFFOLK COL, 67- Lectr, N.Y. State Ed. Dept, 64-; New Sch. Soc. Res, 64-; Am. Sociol. Asn. travel grant, World Cong. Sociol, France, 66. Consult, Bur. Soc. Sci. Res, 62-63. Sociol. Asn; Asn. Asian Studies; Asia Soc. Sociology of conflict; social change; sociological theory. Publ: Gandhism re-examined, Soc. Res, spring 64; Status conflicts; Soc. Forces, 10/64; Triple marginality, In: Sixth World Cong. Sociol. Trans, Geneva, 68. Address: Dept. of Sociology, Adelphi Suffolk College, Oakdale, N.Y. 11769.

NIMER, PROF. BENJAMIN, b. Chicago, Ill, Nov. 2, 21; m. 50; c. 2. POLITICAL SCIENCE. A.B. Chicago, 42, Ph.D.(int. rels), 53. Instr. POLIT. SCI, Rhode Island, 49-53; Hunter Col, 53-54; res. asst. & lectr, Chicago, 54-55; vis. asst. prof, Northwestern, 55-56; asst. prof, Washington & Jefferson Col, 56-57, assoc. prof, 57-60; GEORGE WASHINGTON, 60-65, PROF, 65-, acting chmn. dept, 67-68. Rockefeller Found. fel, 58-59; fel, soc. sci. faculty inst, Hebrew Univ, Israel, summer 65. Sig.C, U.S.A, 43-46, T/Sgt. Polit. Sci. Asn; African Studies Asn. African politics and international relations; theoretical aspects of international politics. Publ: Co-auth, Philosophy of Pan-Africanism, Georgetown, 65; auth, Dulles, Suez and democratic diplomacy, West. Polit. Quart, 9/59; Public sector, private sector and the public interest, Topic, spring 61. Address: Dept. of Political Science, George Washington University, Washington, D.C. 20006.

NIMKOFF, PROF. MEYER F, Sociol, see 10th ed, Soc. & Behav. Vols, deceased 65.

NIMMO, DR. DAN D, b. Springfield, Mo, June 23, 33; m. 56; c. 2. POLITICAL SCIENCE. B.A. Missouri, 55; Woodrow Wilson fel, Vanderbilt, 55-56, M.A. 56, Ph.D.(polit. sci), 62. Asst. prof. POLIT. SCI, Wichita, 61-62; Tex. Tech. Col, 62-64; Houston, 64-65, ASSOC. PROF, 65-68; MISSOURI, 68- Consult, Am. Broadcasting Co, 66-68. U.S.A, 56-58, 1st Lt. Polit. Sci. Asn. Political communication, political activity and impact of the news media; political behavior, determinants of voting participation and choice. Publ: Newsgathering in Washington, Atherton, 64; co-auth, American political patterns, Little, 67 & Differences between potential, registered, and actual voters, Soc. Sci. Quart, 68. Address: Dept. of Political Science, University of Missouri, Columbia, Mo. 65202.

- NISBET, PROF. ROBERT A(LEXANDER)**, b. Los Angeles, Calif, Sept. 30, 13; m. 36; c. 2. **SOCIOLOGY**. A.B. California, 36, A.M. 37, Ph.D. 39. Instr. soc. insts. CALIFORNIA, 39-43, asst. prof. **SOCIOLOGY**, 43-48, assoc. prof., 48-53, **PROF. RIVERSIDE**, 53-, dean col. letters & sci., 53-63, v. chancellor, 60-63. Vis. prof. Bologna, 56; vis. res. fel. Princeton & Guggenheim fel., 63-64; Cooper Found. lectr. Swarthmore Col., 66. U.S.A., 43-45. Sociol. Asn.; European Soc. Culture. Social theory and organization. Publ: Community and power, Oxford Univ., 62; The sociological tradition, Basic Books, 67; Tradition and revolt, Random, 68. Address: Dept. of Sociology, University of California, Riverside, Calif. 92502.
- NISBETT, DR. RICHARD EUGENE**, b. Littlefield, Tex, June 1, 41. **PSYCHOLOGY**. A.B. Tufts, 62; univ. fels. Columbia, 62-65, Burgess hon. fel., 64, Nat. Sci. Found. fel., 65-66, Ph.D.(soc. psychol.), 66. Lectr. **PSYCHOL.**, YALE, 66-67, **ASST. PROF.**, 67- Prin. investr. Nat. Sci. Found. res. grant, 67-69. Psychol. Asn. Motivation and emotion; experimental study of personality; physiological foundations of behavior. Publ: Co-auth. Cognitive manipulation of pain, J. Exp. & Soc. Psychol., 66; auth. Taste, deprivation and weight determinants of eating behavior, J. Personality & Soc. Psychol., 68; Determinants of food intake in obesity, Science, 68. Address: Dept. of Psychology, Yale University 333 Cedar St, New Haven, Conn. 06520.
- NISH, PROF. WILLIAM W(ALTER)**, b. Massillon, Ohio, Jan. 10, 29; m. 53; c. 3. **PSYCHOLOGY**. B.A. Maryville Col.(Tenn.), 50; M.A. California, Los Angeles, 53; Ph.D. Washington State, 59. Asst. **PSYCHOL.**, Washington State, 56-57; asst. prof. **COL. IDAHO**, 59-63, assoc. prof., 63-68, **PROF.**, 68- Participant, Nat. Sci. Found. Summer Inst. Psychol., Michigan, 66, Beloit Col., 68. U.S.N., 52-56, Lt.(jg). Psychol. Asn. Learning theory in psychology. Address: 2110 S. Michigan Ave, Caldwell, Idaho 83605.
- NISHI, PROF. MIDORI**, b. Calif. **GEOGRAPHY**. B.A. Nebr. Wesleyan, 45; fel. & M.A., Clark, 46; fel. & Ph.D.(geog.), Washington (Seattle), 55. **PROF. GEOG.**, CALIF. STATE COL. LOS ANGELES, 50- Address: 1149 Brier Cliff Way, Monterey Park, Calif. 91754.
- NISHI, DR. SETSUKO MATSUNAGA**, b. Los Angeles, Calif, Oct. 17, 21; m. 44; c. 5. **SOCIOLOGY, SOCIAL PSYCHOLOGY**. A.B. & M.A. Washington (St. Louis), 44; Whitney Found. fel. Chicago, 50-51, Nat. Inst. Ment. Health fel., 62, Ph.D.(sociol.), 63. Res. writer, writer's proj. Santa Anita Assembly Center, Wartime Civilian Control Admin, 42; res. assoc. appraisal study, cent. dept. res. & surv. Nat. Coun. Churches, 52-53, dir. res. unit, bur. res. & surv., 53-61; res. assoc. dept. sociol. Chicago, 63-64; lectr. **SOCIOLOGY**, BROOKLYN COL., 65-66, **ASST. PROF.**, 66- Rosenwald Fund res. grant, 47-48; Soc. Psychol. Study Social Issues grant, 57; New World Found. grant, 63-64. Leadership recognition award, Nat. Japanese Am. Citizen's League, 50. Sociol. Asn. Japanese American social organization and personality; esthetic-expressive accomplishment as related to value orientations, family interaction patterns, sex-role identification and occupational achievement. Publ: Facts about Japanese Americans, Am. Coun. Race Rel., 48; The function of churches and religion in the desegregation issue: some problems and prospects for research, Anti-Defamation League, 58; co-auth. The changing scene, In: Churches and social welfare, Vol. II, Nat. Coun. Churches, 55. Address: Dept. of Sociology, Brooklyn College, Bedford Ave. & Ave. H, Brooklyn, N.Y. 11210.
- NISHIMOTO, DR. KENICHI**, b. Stockton, Calif, Sept. 1, 13; m. 42; c. 5. **PUBLIC ADMINISTRATION, POLITICAL SCIENCE**. A.B. California, 35, M.A. American Univ., 51, Ph.D.(pub. admin.), 63. Mgt. analyst, bur. Indian affairs, Dept. Interior, 51-54, asst., 54-56, training officer, 56-57, mgt. anal. officer, 57-58; chief policy & procedures br. DIV. INDIAN HEALTH, U.S. PUB. HEALTH SERV., 58-60, CHIEF MGT. APPRAISAL SERV., 62- U.S.A., 60-62, Maj. Field organization relationships. Address: 7409 Holly Ave, Takoma Park, Md. 20012.
- NISHIO, DR. HARRY KANEHARU**, b. Kyoto, Japan, Sept. 21, 27; U.S. citizen; m. 57; c. 4. **SOCIOLOGY**. A.B. Doshisha, Japan, 50; B.A. California, Berkeley, 55, Ph.D.(sociol.), 66; Toronto Faculty fel., 64-66. Lectr. **SOCIOLOGY**, Toronto, 61-62; asst. prof. Delaware, 62-64; **ASSOC. PROF.**, TORONTO, 64- Can. Coun. sr. fel., 66-67. Publ: Co-auth. Quantitative economic history in Japan, Univ. California, Berkeley, 60; auth. Analysis of the working class in Japan, Koeln J. Sociol. & Soc. Psychol., 63; Comparative analysis of the Rissho Koseikai and Soka Gakkai, Asian Surv., 11/67. Address: Dept. of Sociology, University of Toronto, 563 Spadina Ave, Toronto 5, Ont, Can.
- NISKANEN, DR. WILLIAM ARTHUR, JR**, b. Bend, Ore, Mar. 13, 33; m. 57; c. 2. **ECONOMICS, STATISTICS**. A.B. Harvard, 54; Woodrow Wilson fel. Chicago, 54-55, A.M. 55, Ford Found. fel., 56-57, Ph.D., 62. Statist. asst. U.S. Bur. Mines, 54; statistician, U.S. Dept. Treas., 56; economist, Rand Corp., 57-62; U.S. Dept. Defense, 62-63, dir. spec. studies, Off. Secy. Defense, 63-64; dir. econ. & polit. studies, INST. DEFENSE ANAL., 64-67, **DIR. PROG. ANAL.**, 67- Dir. Defense Ed. Prog., 66- Econ. Asn. Analysis of consumer demand; public finance; military systems analysis. Publ: Co-auth. Defense management, Prentice Hall, 67; Cost-effectiveness analysis, Praeger, 67; auth. The peculiar economics of bureaucracy, Am. Econ. Rev., 5/68. Address: 7209 Gordons Rd, Falls Church, Va. 22043.
- NISPEN, DEAN BENJAMIN S(TRICKLER)**, b. York, Pa, July 23, 20; m. 43; c. 2. **POLITICAL SCIENCE**. B.S. Shippensburg State Col., 42; Ed.M. Duke, 49; Ph.D. Pennsylvania, 57. Teacher, pub. schs. Pa., 46-56; **PROF. POLIT. SCI.**, SHIPPENSBURG STATE COL., 56-, DEAN ARTS & SCI., 62- Trustees, Citizenship Clearing House, Pa., 58-61. U.S.A., 42-45, 1st Lt. Polit. Sci. Asn.; Acad. Polit. & Soc. Sci. State governmental offices. Publ: Co-auth. Political Science dictionary, 64 & Teaching civics, In: Teaching of history, 67, Philos. Library; auth. A short appraisal of the Lieutenant Governorship, Soc. Studies, 10/66. Address: Star Route 1, Box 128, Shippensburg, Pa. 17257.
- NISSELSON, H(AROLD)**, Statist, see 11th ed, Phys. & Biol. Vols.
- NISSEN, PROF. CARL ANDREW**, b. Broager, Denmark, Feb. 23, 95. **SOCIOLOGY**. B.Sc., Linfield Col., 22; A.M., Chicago, 29; Ph.D., Ohio State, 47. Asst. prof. **SOCIOLOGY**, Baldwin-Wallace Col., 35-37, assoc. prof., 37-40; asst. Ohio State, 40-41; asst. prof., Denison, 41-42; asst. Ohio State, 42-43, instr., 43-47, asst. prof., 47-48; prof. & acting head dept., Denison, 48-49; asst. prof., OHIO STATE, 49-61, assoc. prof., 61-65, **EMER. ASSOC. PROF.**, 65- Fulbright vis. lectr., Askov Folk Sch., Fy Folk Sch. & Univ. Copenhagen, 54-55. Sociol. Asn. Social organization and the family; social characteristics of the upper social class in a dynamic midwestern city. Address: 1001 Fordham Dr, Sun City Center, Fla. 33570.
- NISSENSON, DR. MARC**, b. Chicago, Ill, May 12, 18; m. 40; c. 2. **PSYCHOLOGY**. Ph.D. Chicago, 53. **DIR. PSYCHOL. SERV.**, N.SHORE HOSP, WINNETKA, 50- U.S.A.A.F., 42-46. AAAS; Psychol. Asn.; Acad. Psychother. Clinical psychology. Publ: Words as configurations, J. Exp. Psychol.; Psychiatrist's responsibilities, Diseases Nerv. Syst. Address: 966 Princeton St, Highland Park, Ill. 60035.
- NISSELY, WARREN W(ALMER)**, b. Hempstead, N.Y., June 3, 27; m. 49; c. 4. **ECONOMICS, FINANCE**. A.B. Princeton, 48; M.B.A. Columbia, 58. V-pres, Bergen Auto Co, N.J., 49-56; sr. consult, Joel Dean Assocs, N.Y., 57-61; dir. res. D.B. Marron & Co, Inc, N.Y., 62-63; **DIR. CORP. PLANNING, CONTINENTAL CAN CO**, 63- U.S.N., 45-46. Econ. Asn.; Finance Asn. Application of social sciences to management of complex business organizations and to evaluation of their securities. Address: 145 Phelps Rd, Ridgewood, N.J. 07450.
- NISWONGER, PROF. C(LIFFORD) ROLLIN**, b. Pittsburg, Ohio, Mar. 24, 07; m. 38; c. 2. **ACCOUNTING**. B.S. Miami (Ohio), 29; M.S. Illinois, 31; univ. fel. Ohio State, 38-39, Ph.D., 50. Instr. **ACCT**, State Col. Wash., 31-35; asst. prof., MIAMI (OHIO), 35-41, assoc. prof., 41-47, **PROF.**, 47-, asst. dean sch. bus. admin., 40-56, dir. summer session, 48-48; chmn. dept. acct., 47-66, acting dean sch. bus. admin., 54-55. Acct. exec. Off. Price Admin, 43; vis. prof., Arizona State, 59-60; distinguished vis. prof., Colorado, 62-63. Consult, U.S. Comptroller Gen., 55-57. U.S.N.R., 44-46, Lt. Am. Acct. Asn. (pres, 58). Income tax accounting. Publ: Co-auth. Income tax procedure, annual eds., 40-65 & Accounting principles, eds. 6, 7, 8, 9 & 10th ed.(in press). Address: 111 Oberlin Court, Oxford, Ohio 43056.
- NITSCH, DR. THOMAS O(TTO)**, b. Seguin, Tex, Sept. 13, 31. **ECONOMICS**. B.B.A., St. Mary's, 53; fel. Auburn, 53-54; Ph.D.(econ), Ohio State, 63. Asst. **ECON.**, Ohio State, 54-55, asst. instr., 55-58, instr., 58-60; asst. prof., Creighton, 60-63; assoc. prof. & grad. adv. St. Mary's, 63-66; **ASSOC. PROF.**, CREIGHTON, 66- Econ. Asn. Income and employment theory; economic fluctuations; monetary theory and policy; price and allocation theory; fiscal theory and policy. Publ: An economist looks at mater et magistra, Cath. Bus. Ed. Rev., winter 63; Schumpeter and Catholicism: a comment, Rev. Social Econ., 9/64; On the exposition of the acceleration principle in economics: a comment, Southwest. Social Sci. Quart., 9/68. Address: Dept. of Economics & Finance, Creighton University, Omaha, Nebr. 68131.
- NITZ, DR. LAWRENCE H**, b. Saginaw, Mich, Apr. 13, 42; m. 67. **POLITICAL SCIENCE**. A.B. Michigan, 63; Morsbach summer grant, Bonn, 63; M.A., Mich. State, 65, Ph.D.(polit. sci.), 68. Res. asst. exp. psychol. human learning res. inst. Mich. State, 65-68; **ASST. PROF. POLIT. SCI.**, HAWAII, 68- AAAS; Polit. Sci. Asn.; Inst. Elec. & Electronics Eng. Alliance processes; theoretical and empirical study of coalition formation; theories of decision-making under risk; experimental approaches to the study of politics. Publ: Co-auth. Social contacts in a three-person political convention situation, J. Conflict Resolution, 6/68. Address: Dept. of Political Science, University of Hawaii, Honolulu, Hawaii 96822.
- NITZBERG, DR. DAVID M(ORRIS)**, b. New York, N.Y., Oct. 27, 34; m. 57; c. 3. **BIOSTATISTICS, STATISTICS**. A.B. Columbia, 56; M.Sc. Ohio State, 57; S.M. Harvard, 63, Sc.D.(biostatist), 66. Prfnl. staff mem. Inst. Naval Studies, Franklin Inst. Phila, Cambridge, Mass., 61-66; asst. dir. lab. comput. sci., Mass. Gen. Hosp., 66-67; **DIR. BIostatist, BIO-DYNAMICS, INC.**, 67- Res. assoc., Harvard Med. Sch., 66-67. Consult, Arthur D. Little, Inc., 66-67. U.S.A.F., 58-61, Res., 61-67, Capt. Statist. Asn.; Biomet. Soc.; Pub. Health Asn. Technical direction in the areas of biostatistics and data processing; biostatistical and computer research; statistical analysis and research design; military operations research, especially command and control, ocean surveillance and naval manpower; mathematical analyses and computer programming; applied mathematics. Publ: The methodology of computer linkage of health and vital records, Proc. Am. Statist. Asn., 65. Address: Bio-Dynamics, Inc, 33 Cambridge Pkwy, Cambridge, Mass. 02142.
- NIVEN, DR. J(AROLD) R**, b. Rocky Ford, Colo, July 2, 23; m. 48; c. 3. **INDUSTRIAL PSYCHOLOGY**. B.A. Denver, 48; M.S. Purdue, 49, fel., 50-51, Ph.D.(indust. psychol.), 51. Asst. gen. superv. personnel res. Inst. Harvester Co, 51-56; **MGT. RES. CHIEF, BOEING CO**, 56- Lectr., Northwestern, 52-56. Consult. to field selection officer, Peace Corps, 64-; Employ. Security Dept. State of Wash., 66-67. U.S.A., 43-46. Fel. AAAS; fel. Psychol. Asn.; Int. Asn. Appl. Psychol. Publ: Effect of varying intensities of illumination, J. Appl. Psychol.; Analysis of two attitude scaling techniques, Ed. & Psychol. Measurement. Address: Headquarters Offices, Boeing Co, P.O. Box 3707, Seattle, Wash. 98124.
- NIVEN, DR. J(ORMA) I(LTANEN)**, Psychol, see Suppl. V to 11th ed, Phys. & Biol. Vols.
- NIX, PROF. ALICE PEARL**, b. Choestoe, Ga, Dec. 12, 12. **PSYCHOLOGY**. A.B. Piedmont Col., 40; M.Ed. Georgia, 46, Ed.D.(ed. psychol.), 59. Teacher, elem. schs. Ga., 30-40, high schs., 40-45; curriculum consult, pub. schs., 45-47; teacher ed. psychol. & dir. guild, Truett-McConnell Col., 47-58; instr. **PSYCHOL.** & guild. counsr. Georgia, 58-59; **PROF. & HEAD DEPT. W.G.A. COL.**, 59- Psychol. Asn.; Personnel & Guild. Asn. Influence of motivation and personality adjustment upon academic achievement. Address: Dept. of Psychology, West Georgia College, Carrollton, Ga. 30117.
- NIX, DR. H(AROLD) LYLE**, b. Woodstock, Ga, Sept. 20, 20; m. 42; c. 2. **SOCIOLOGY**. B.S. Georgia, 47, M.Ed. 50; Ph.D.(sociol.), Ia. State, 60.

Teacher, high schs, Ga, 47-56; asst. prof. rural sociol, Auburn, 59-60; ASSOC. PROF. SOCIOL, Ga. State Col, 60-63; GEORGIA, 63- Res. grants, 56-60 & 65-67. Consult, Center Occup. Res, Training & Develop, Raleigh, N.C, 66-67. U.S.N, 42-45, Lt.(jg). Sociol. Soc; Rural Sociol. Soc. Community; social change; community power and leadership; role analysis; sociology of education and occupation. Publ: Community social analysis series 1-5, Univ. Ga, 66-67; Opportunities for and limitations of social and economic adjustments, 60; Occupational role stresses: a structural approach, Rural Sociol, 62. Address: Dept. of Sociology, University of Georgia, Athens, Ga. 30601.

NIXON, PROF. CHARLES R(OBERT), b. Rochester, N.Y., Aug. 19, 17; m. 41; c. 2. POLITICAL SCIENCE. A.B., Oberlin Col, 39; Ph.D., Cornell, 47. Instr. Smith Col, 44-47; asst. prof. POLIT. SCI., CALIFORNIA, LOS ANGELES, 47-53, assoc. prof, 53-67, PROF, 67- Carnegie grant, inst. soc. res, Natal, 54; res. assoc, African polit. & econ. develop. proj, center int. studies, Mass. Inst. Tech, 59-61. Polit. Sci. Asn; Soc. Polit. & Legal Philos; African Studies Asn. African studies; modern political theory; civil liberties; American politics and political parties. Publ: The conflict of nationalisms in South Africa, World Polit; The coming electorate: 1965-1970, West. Polit. Quart; Freedom vs. unity: a problem in the theory of civil liberty, Polit. Sci. Quart. Address: Dept. of Political Science, University of California, Los Angeles, Calif. 90024.

NIXON, PROF. H(OWARD) K(ENNETH), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 63.

NIXON, DR. JOHN H(ARMON), b. Minneapolis, Minn, Apr. 7, 15. ECONOMICS. A.B., Swarthmore Col, 35; fel, Harvard, 47-50, A.M., 49, Ph.D., 53. Economist, U.S.R.R. Retirement Bd, 38-41; U.S. Off. Price Admin, 42-46; sr. tutor, Harvard, 48-50; res. assoc., Brookings Inst, 52; asst. prof. econ, City Col. New York, 53-56; dir. econ. develop, State Dept. Commerce, N.Y., 56-59; dir. area develop, Cmt. Econ. Develop, 59-65; dir. off. tech. assistance, U.S. Econ. Develop. Admin, 66-67; ECONOMIST, RALPH M. PARSONS CO, 68- Consult, U.S. Off. Price Stabilization, 51; U.S. Mat. Policy Cmn. 51; center int. studies, Mass. Inst. Tech, 53; U.S. Agency Int. Develop. 67. Mem. nat. pub. adv. bd, U.S. Area Redevelop. Admin, 63-65; area develop. adv. bd, Cmt. Econ. Develop, 66- Econ. Asn; Soc. Planning Off; Soc. Int. Develop. Urban and regional economics; industrial organization and government regulation of business. Publ: Transportation in the central city, In: Planning 1963, Proc. Am. Soc. Planning Officials, 63; co-auth, Urban economic development, In: Urban revival: goals and standards, Ann. Am. Acad. Polit. & Soc. Sci, 3/64; auth, Community adjustment: the lessons of experience, In: Community economic development efforts: five case studies, Cmt. Econ. Develop. Suppl. Paper No. 18, 12/64 & Praeger, 66. Address: 1917 38th St, N.W., Washington, D.C. 20007.

NIXON, DR. LEWIS M., b. Mineral City, Ohio, Apr. 23, 10; m. 38. POLITICAL SCIENCE, ECONOMICS. A.B., Ohio Wesleyan, 34; Ph.D.(polit. sci), Syracuse, 47. Eng. instr, high sch, Ohio, 34-37; clerk, div. state & local govt, bur. census, U.S. Dept. Commerce, 40-41; assoc. orgn. & personnel mgt. analyst, orgn. & personnel mgt. div, Off. Personnel, U.S. Dept. Agr, 41-42; budget analyst, Fed. Pub. Housing Authority, 42-47; Off. Budget & Reports, U.S. Dept. Navy, 47-49; assoc. prof. pub. admin, For. Serv. Inst, U.S. Dept. State, 49-52; soc. sci. analyst, res. & eval. staff, U.S. Info. Agency, 52-55; res. officer, U.S. Info. Serv, Paris, 55-56; recruitment officer, Off. Personnel, U.S. INFO. AGENCY, 56-57, soc. sci. analyst, INFO. CENTER SERV, 57-59, spec. asst. to dir, 59-67, INT. INFO. SPECIALIST, 67- U.S.A., 43-45, T/Sgt. Polit. Sci. Asn. Information science applications to United States Information Agency's library and book programs; attitude measurement; public opinion research. Publ: Techniques of surveying employee attitudes, Pub. Personnel Rev, 1/49. Address: 3159 N. Military Rd, Arlington, Va. 22207.

NIXON, PROF. RAYMOND B(LALOCK), b. Live Oak, Fla, June 10, 03; m. 28; c. 1. JOURNALISM. Ph.B., Emory, 25; A.M., Wisconsin, 34; Ph.D., Minnesota, 42. Instr. jour, Emory, 26-28, asst. prof, 28-33, assoc. prof, 33-40, PROF, 40-52; MINNESOTA, 52-61, JOURNALISM & INT. RELS, 61- Vis. prof. & sr. fel, inst. commun. res, Illinois, 48-49; Ford fel, Asia, Mid.E. & Europe, 57; Latin Am, 62, 64-65; India, 66; specialist, U.S. State Dept, East. Europe, 61; Latin Am, 62. Asn. Ed. Journalism.(v.pres, 38-40, ed. quart, 45-64, int. ed. 65-); Int. Asn. Mass Communication Res.(pres, 60-64); World Asn. Pub. Opinion Res. Communication theory; international communication and comparative foreign journalism; comparative communication systems; media ownership trends in the United States. Publ: Henry W. Grady, spokesman of the new South, Knopf; Factors related to freedom in national press systems, winter 60 & co-auth, Trends in newspaper ownership and inter-media competition, winter 61, Journalism Quart. Address: School of Journalism & Mass Communication, University of Minnesota, Minneapolis, Minn. 55455.

NIYEKAWA-HOWARD, DR. AGNES M(ITSUE), b. Tokyo, Japan, May 9, 24; nat; m. 54, 66; c. 2. PSYCHOLINGUISTICS, SOCIAL PSYCHOLOGY. B.A., Tokyo Woman's Christian Col, 45; B.A., Hawaii, 52; fel, Bryn Mawr Col, 52-53, M.A., 54; Whitney Found. fel, N.Y. Univ, 58-59, Ph.D.(soc. psychol), 60. Asst. sociol, soc. res. lab, Hawaii, 51-52; psychol, res. center human rels, N.Y. Univ, 55-56, 57-58, res. assoc, 59-60, lectr, Wash. Square Col, 61; U.S. Pub. Health Serv. fel. psycholing, biometrics res, N.Y. State Psychiat. Inst, 61-63; instr. psychol, City Col. New York, 63-64; asst. prof. ED. PSYCHOL, HAWAII, 64-67, ASSOC. PROF, 67-, ASSOC. RESEARCHER, ED. RES. & DEVELOP. CENTER, 67-, asst. researcher, 65-67. Vis. scholar, Columbia, 61-63; Am. Coun. Learned Soc. fel. ling, 62, faculty res. grant, Mass. Inst. Tech, 67-68; lectr, Brooklyn Col, 63. Mem. int. subj. cmt, Int. Asn. Eval. Ed. Achievement, UNESCO Inst, Hamburg, Germany, 66- Am. Psychol. Asn; Ling. Soc. Am; Am. Anthropol. Asn; Japanese Psychol. Asn, Psycholinguistics, especially relation of language structure to perception and thinking, cognitive processes and bilingualism; social psychology, especially culture and personality, methodology in cross-cultural research and conformity and creativity. Publ: Co-auth, Muscular tension: physiological activation or psychological act?, In: Psychobiological approaches to social behavior, Stanford, 64; auth, Authoritarianism in an authoritarian culture:

the case of Japan, Int. J. Soc. Psychiat, 66; A study of second language learning, U.S. Off. Ed, 68. Address: Education Research & Development Center, University of Hawaii, Honolulu, Hawaii 96822.

NOAH, DR. HAROLD J, b. London, Eng, Jan. 21, 25; iii. 46; c. 2. ECONOMICS, EDUCATION. B.Sc. London, 46, dipl. ed, 52; Ph.D.(ed), Columbia, 64. Res. asst. econ, Labour Party, London, Eng, 46-47; asst. master, Henry Thornton Sch, London, 49-52, head dept, 52-60; asst. prof, Fairleigh Dickinson, 60-61; ECON. & ED. TEACHERS COL, COLUMBIA, 64-66, ASSOC. PROF, 66- Ed, Comp. Ed. Rev, 66- Royal Econ. Soc; Econ. Asn; Asn. Adv. Slavic Studies. Economics of education; Soviet education; comparative education. Publ: Financing Soviet schools, Teachers Col. Press, 67; co-auth, The unproductive Soviet teacher, Soviet Studies, 65; auth, Economics of education in the Soviet Union, Probs. Communism, 67. Address: Dept. of Economics, Columbia University Teachers College, New York, N.Y. 10027.

NOBE, DR. KENNETH C(HARLES), b. Venedy, Ill, Oct. 26, 30; m. 49; c. 3. ECONOMICS. B.S., Southern Illinois, 53; M.S., Cornell, 54, Ph.D.(land econ), 59. Mkt. agent, agr. mkt. serv, U.S. Dept. Agr, 54-55; instr. land econ, Cornell, 55-56; leader Potomac Basin water party, agr. res. serv, U.S. Dept. Agr, 58-61; chief econ. sect, Colo. River Basin proj, U.S. Pub. Health Serv, 61-63; chief economist recreation policy, bur. outdoor recreation, U.S. Dept. Interior, 63-64; chief agr. econ. br, Harza Eng. Co. Int, W. Pakistan, 64-65; ASSOC. PROF. ECON, COLORADO STATE, 66- Consult, econ. policy chmn, Water & Power Develop. Authority, W. Pakistan, 64-65; sr. faculty adv, Mona Agr. Proj. W. Pakistan, U.S. Agency Int. Develop, Colorado State, 66- Mem. St. Lawrence Seaway cmt, N.Y. Univ, 55-56; recreation adv. cmt, Outdoor Recreation Resources Rev. Cmn, 59-60; recreation task force, President's Recreation Adv. Coun, 63-64. U.S.A.F, 48-50, Res, 50-52. AAAS; Agr. Econ. Asn; Soil Conserv. Soc. Am. Institutional aspects and public decision making processes of natural resource management agencies; role of planning for economic development in emerging nations. Publ: Co-auth, An analysis of the present agricultural economy of selected areas of the Indus Plains, Water & Power Develop. Authority, W. Pakistan, 64; The role of economic evaluation in planning for water resources development, Natural Resources J, 12/62; auth, Emerging national policies governing outdoor recreation in federal water resource development projects, J. Soil & Water Conservation, 3/64. Address: Dept. of Economics, Colorado State University, Ft. Collins, Colo. 80521.

NOBLE, DR. ALLEN G(EORGE), b. Astoria, N.Y., Jan. 28, 30; m. 59; c. 3. GEOGRAPHY. B.A., Syracuse, 51; M.A., Maryland, 53; Ph.D.(geog), Illinois, 57. Econ. analyst, U.S. Dept. State, 57-59, v.consul, India, 59-61, Brazil, 61-63; assoc. prof. GEOG, California State Col. (Pa), 63-64; PROF. & HEAD DEPT, AKRON, 64- Vis. prof, Laurentian Univ, 64; Idaho, 67. Consult, G.E. Wilson Co, 66. AAAS; Asn. Am. Geog. Nat. Coun. Geog. Ed; Water Resources Asn. Site location study; agriculture of Brazil; development of Indian civilization. Publ: Computing coal costs, Indust. Develop, 7/58; Agricultural patterns in Santa Catarina State, Brazil, Ohio J. Sci, 9/67. Address: Dept. of Geography & Geology, University of Akron, Akron, Ohio 44304.

NOBLE, PROF. CLYDE E(VERETT), b. Princeton, Ind, June 7, 22; m. 51; c. 4. PSYCHOLOGY. B.A., Tulane, 47, M.S., 48; Ph.D.(psychol), Iowa, 51. Res. psychologist, Human Resources Res. Center, 51-53; asst. prof. PSYCHOL, La. State, 53-57; from assoc. prof. to PROF, Montana State, 57-64; GEORGIA, 64- Dir. res. projs, Nat. Sci. Found, Off. Naval. Res. & Air Force Off. Sci. Res, 55- U.S.A., 42-46; U.S.A.F, 51-53, Res, 53-, Lt. Col. Fel. AAAS; Psychol. Asn; Psychonomic Soc. Experimental psychology; human learning. Address: Dept. of Psychology, University of Georgia, Athens, Ga. 30601.

NOBLE, DR. ERIC, b. Long Beach, N.Y., Feb. 25, 24; m. 46; c. 3. CLINICAL PSYCHOLOGY. B.A., Hofstra Col, 50; M.A., Columbia, 51; Ph.D., Adelphi Col, 57. Asst. to dean students, Hofstra Col, 51-56; chief clin. psychologist, Outpatient Psychiat. Clin, State Hosp, Jamestown, N.Dak, 56-59; clin. psychologist, Fargo-Moorhead Psychiat. Center, 59-67; CLIN. PSYCHOLOGIST, 67- Lectr, North Dakota, 57-59, 65-; assoc. prof, N.Dak. State, 60-62; part-time assoc. prof, Moorhead State Col, 67- Consult, Outpatient Psychiat. Clin, 61-62; Cass County Childrens Service Center, 62-66; Neuropsychiat. Inst, Fargo, 67- U.S.A., 43-46, Sgt. Psychol. Asn; Orthopsychiat. Asn; Acad. Psychother. Psychological investigation of brain damage; perception and personality. Address: Neuropsychiatric Institute, 700 First Ave. S, Fargo, N.Dak. 58102.

NOBLE, DR. ERNEST P(ASCAL), Psychiat, Biochem, see 11th ed, Phys. & Biol. Vols.

NOBLE, DR. G(EORGE) BERNARD, b. Leesburg, Fla, July 11, 92. POLITICAL SCIENCE. Rhodes scholar, Oxford, 13-16, B.A., 15, M.A., 23; Wisconsin, 16-17; Carnegie Endowment fel, Columbia, 25-26, Ph.D., 35. Asst. prof. polit. sci, Reed Col, 22-28, prof, 28-46; chief hist. div, U.S. Dept. State, 46-59, dir. hist. off, 59-62; RES. & WRITING, 62- Asst. prof, Barnard Col, Columbia, 26-27. Dir, Northwest Inst. Int. Rels, 38-42; regional chmn, War Labor Bd, 43-45. U.S.A., 17-19, Lt; Distinguished Serv. Cross. Polit. Sci. Asn; Am. Soc. Int. Law; Hist. Asn. United States foreign policy. Address: 111 Worthington Circle, Falls Church, Va. 22044.

NOBLE, COMDR. HOWARD F(RANCES), U.S.N, b. Braddock, Pa, Oct. 20, 19; m. 41; c. 4. CLINICAL PSYCHOLOGY. B.A., Duquesne, 49, M.Ed, 50. U.S. NAVY, 49-, asst. psychologist, Great Lakes Training Center, 50-51, sr. psychologist, 52-56; hosp, Guam, Mariana Islands, 51-52, spec. asst. to chief psychiatrist, Bur. Med. & Surg, D.C. 56-62, spec. asst. to chief psychiatrist & sr. psychologist, U.S. Naval Acad, 62-66, HEAD, MED. GRAPHIC ARTS DEPT, NAVAL MED. SCH, 66- Lectr, George Washington, 62- Psychol. Asn. Publ: Studies in enuresis; Studies in somnambulism; co-auth, Specificity of the psychiatric interview. Address: 2060 Mayo Ave, Bay Ridge, Annapolis, Md. 21403.

NOBLE, PROF. MARCUS CICERO STEPHENS, JR, Ed. Psychol, see 10th ed, Soc. & Behav. Vols.

NOBLE, PROF. MERRILL E(MMETT), Exp. Psychol, see 11th ed, Phys. & Biol. Vols.

NOBLE, DR. ROBERT R(AY), b. Oakville, Iowa, Oct. 6, 20; m. 46; c. 2. SOCIOLOGY. A.B., Coe Col. 42; M.A. Nebraska, 48, Johnson fel, 49-50, Ph.D. (sociol), 50; summer, Wisconsin, 49. Instr. SOCIOL, Nebraska, 46-50; from asst. prof. to PROF, KANS. STATE COL. PITTSBURG, 50- U.S.A.A.F. 42-45. Sociol. Asn; Acad. Polit. & Soc. Sci. Criminology; marriage and the family. Address: Dept. of Sociology, Kansas State College at Pittsburg, Pittsburg, Kans. 66764.

NOBLE, DR. WILLIAM A(LLISTER), b. Nagercoil, India, Apr. 20, 32; U.S. citizen; m. 60; c. 2. GEOGRAPHY, ANTHROPOLOGY. B.A. Georgia, 55, M.A. 57; Ph.D.(geog, anthrop), La. State, 68. Instr. geog. & hist, Longwood Col., 57-60; asst. prof. GEOG, Southeast. La. Col., 64-66; from instr. to ASST. PROF, MISSOURI, COLUMBIA, 66- Participant, for. fields res. prog. supported Off. Naval Res, sponsored Nat. Sci. Found., 62-63. Am. Geog. Soc.; Asn. Am. Geog. Selected prehistoric and historic land-man relationships in extreme southern India; man's role in temperate grassland formation. Publ: Toda dwellings and temples, Anthropos, 66; Agricultural classification, extreme southern India, Pfnrl. Geog, 9/67; The shifting balance of grasslands, shola forests, and planted trees on the upper Nilgris, southern India, Indian Forester, 10/67. Address: Dept. of Geography, University of Missouri, Columbia, Mo. 65202.

NOBLEMAN, DR. ELI E, b. Jersey City, N.J., Mar. 8, 16; m. 42; c. 2. POLITICAL SCIENCE, GOVERNMENT. B.A. N.Y. Univ, 36, LL.B. 39, LL.M. 41, J.S.D. 50; cert. Indust. Col. Armed Forces, 68. PRFNL. STAFF MEM, U.S. SENATE CMT. ON GOVT. OPERS, 48- Law secy, south. dist. U.S. Dist. Court Judges, N.Y. 41-42; from attorney to spec. asst. to attorney gen, U.S. Dept. Justice, 42-48; lectr. sch. soc. sci. & pub. affairs, American Univ, 47-51; prof. lectr. 52-53, adj. prof, 54- U.S.A. 42-46, Res, 46-, Col. Polit. Sci. Asn; Soc. Int. Law Judicature Soc; Fed. Bar Asn; Am. Bar Asn; Mil. Govt. Asn; Acad. Polit. & Soc. Sci; Inst. Mil. Law. Military government; public law; political processes and dynamics. Publ: American military government courts in Germany; The authority of the Senate to originate appropriation bills, 4/63 & Government competition with private enterprise, 6/63, U.S. Govt. Printing Off. Address: 3308 Senate Office Bldg, First & C St. N.E., Washington, D.C. 20510.

NOBLIN, DR. CHARLES D(ONALD), b. Jackson, Miss, Dec. 16, 33; m. 57; c. 2. PSYCHOLOGY. B.A. Miss. Col. 55; M.S. Richmond Prinl. Inst. Col. William & Mary, 57; Ph.D. La. State, 62. Asst. psychologist, dept. psychiat. Chicago Med. Sch, 57-58; psychologist, dept. speech, La. State, 59-60; clin. intern, Gulfport Vet. Admin. Hosp, 60-61; instr. PSYCHOL, La. State, 61-62, asst. prof, 62-63; ASSOC. PROF, North Carolina, Greensboro, 63-66; RUTGERS MED. SCH, 66- Res. psychologist, med. sch, Tulane, 61-63; summers, asst. psychologist, Miss. State Hosp, 56 & 57, psychologist, Alexandria-Pineville Guid. Center, 58. AAAS; Psychol. Asn; Psychonomic Soc. Experimental psychopathology; verbal behavior; conflict. Publ: Co-auth, Temporal and physical factors in avoidance reduction, Differential investigation of avoidance reduction versus hypermobility following frontal ablation, J. Comp. & Physiol. Psychol. & Extinction of fear as a function of distance versus dissimilarity from the original conflict situation, J. Abnorm. & Soc. Psychol. Address: 15 Stardust Dr, Warren Township, N.J. 07060.

NOBLITT, PROF. HARDING C(OOLIDGE), b. Marion, N.C., Oct. 31, 20; m. 43; c. 1. POLITICAL SCIENCE. A.B. Berea Col. 42; Duke, 42; A.M. Chicago, 47, Ph.D.(polit. sci), 55. Asst. prof. POLIT. SCI, CONCORDIA COL.(MOORHEAD, MINN), 50-51, assoc. prof, 51-56, PROF, 56-, CHMN. DEPT., 64- Mem. Gov. Citizens Coun. Aging, Minn, 63-67; del. Democratic Nat. Convention, 64. U.S.A. 43-46. Polit. Sci. Asn; Acad. Polit. & Soc. Sci; Acad. Polit. Sci. American constitutional law, government and political parties. Publ: Case study in practical politics, Proc. Minn. Acad. Sci, 63. Address: Dept. of Political Science, Concordia College, Moorhead, Minn. 56560.

NODINE, DR. CALVIN FREDERICK, b. Hightstown, N.J., June 29, 32; m. 59; c. 2. PSYCHOLOGY, EDUCATION. A.B. Bucknell, 54, M.A. 59; fel, Massachusetts, Amherst, 59-62, Ph.D.(exp. psychol), 62. Teaching asst. PSYCHOL, Bucknell, 58-59; ASST. PROF, American Univ, 62-63; Miami (Ohio), 63-65; CARNEGIE-MELLON UNIV, 65- Prin. investr, Nat. Inst. Ment. Health res. grants, 62-64 & 65-67, prin. investr, res. grants, Miami (Ohio), 63-65. U.S.A. 55-57, 1st Lt. AAAS; Psychol. Asn; Psychonomic Soc. Application of principles derived and confirmed in simple learning situations to complex learning phenomena in psychology and education. Publ: Co-auth, Paired-associates learning: the role of meaningfulness, similarity and familiarization, Academic, 65; auth, Stimulus durations and stimulus characteristics in paired-associates learning, 63 & Temporal variables in paired-associates learning: the roles of repetition and number-tracking during stimulus intervals, 67, J. Exp. Psychol. Address: Dept. of Psychology, Carnegie-Mellon University, Pittsburgh, Pa. 15213.

NODINE, DR. JOHN HAZEN, Pharmacol, see 11th ed, Phys. & Biol. Vols.

NODLAND, PROF. TRUMAN R(AYMOND), b. Badger, Iowa, Sept. 9, 07; m. 34. AGRICULTURAL ECONOMICS. B.S. Minnesota, 34, Ph.D. 42, ASST. MINNESOTA, ST. PAUL, 34-38, instr. 38-46, asst. prof. AGR. ECON, 46-58, assoc. prof, 58-61, PROF, 61- Agr. Hist. Soc; Int. Asn. Agr. Econ. Farm management. Publ: Co-auth, Managing the dairy herd for greater returns & Our changing poultry enterprise, Univ. Minn. Agr. Exp. Sta. Bull. Address: 1749 Fairview Ave. N, St. Paul, Minn. 55113.

NOETHER, PROF. GOTTFRIED E(MANUEL), Math. Statist, see 11th ed, Phys. & Biol. Vols.

NOETZEL, DEAN ARTHUR J(EROME), JR, b. East Cleveland, Ohio, July 2, 16. BUSINESS ADMINISTRATION. B.S., John Carroll, 38; M.B.A. Northwestern, 40; Case Inst. Tech, 44-45; Ph.D. Michigan, 55. Asst. instr. Northwestern, 39-40; instr. acct, Detroit, 40-41; BUS. ADMIN. JOHN CARROLL, 41-42, asst. prof, 42-46, assoc. prof, 46-55, PROF, 55-, DEAN SCH. BUS.

56-, asst. dean, 47-55, assoc. dean, 55-56. Fel. Gerontol. Soc; Econ. Asn; Statist. Asn; Am. Acct. Asn. Statistics, management and economics; management and utilization of older worker, employment of the older worker, preparation of industrial workers for retirement. Address: 2405 Fenwood Rd, Cleveland, Ohio 44118.

NOETZEL, PROF. GROVER A(RCHIBALD) J(OSEPH), b. Greenwood, Wis, June 14, 08; m. 53. ECONOMICS. A.B. Wisconsin, 29, fel, 32-34, Ph.D. 34; London, 30. Instr. econ, Wisconsin, 34-35; Soc. Sci. Res. Coun. fel, Grad. Inst. Int. Studies, Geneva, 35-36; econ. analyst, Nat. Bur. Econ. Res, 36-37; asst. prof. ECON, Temple, 37-40, assoc. prof, 40-46; PROF, MIAMI (FLA), 46-48, 61-, dean sch. bus. admin, 48-61. Consult. economist & investment counser, Pa. & N.Y. 39-46. Chmn. bd. trustees, Embury-Riddle Aeronaut. Inst, 61-; mem. bd. dirs, Am. Bankers Ins. Co, 61-; Fla. Nat. Bank Coral Gables, 67-; Coral Gables Fed. Savings & Loan Asn, 67- Econ. Asn; Finance Asn; Acad. Polit. & Soc. Sci. Institutional and international economics; economic history. Publ: Our longest peacetime boom-where now? 3/66, Growth of the investment potential of Florida, 12/66 & What price pax Americana, 2/67, Commercial & Financial Chronicle. Address: Dept. of Economics, University of Miami, Coral Gables, Fla. 33124.

NOGEE, PROF. JOSEPH L(IPPMAN), b. Schenectady, N.Y., June 16, 29; m. 60. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.S., Georgetown, 50; M.A. Chicago, 51; Overbrook fel, Yale, 55-57, Sterling jr. fel, 57-58; Ph.D.(int. rels), 58. Asst. instr. POLIT. SCI, Yale, 56-57; asst. prof, HOUSTON, 58-61, assoc. prof, 61-66, PROF, & CHMN. DEPT., 66- Vis. assoc. prof. govt. & Rockefeller res. grant UN, N.Y. Univ, 63-64. Ed. asst, Int. Conciliation, Carnegie Endowment Int. Peace, summers, 58-59, 63-66. Med.C. U.S.A. 52-54. Polit. Sci. Asn; Asn. Adv. Slavic Studies. Political and propagandistic aspects of disarmament negotiations; theory and practice of Soviet world wide revolutionary propaganda. Publ: Soviet policy toward international control of atomic energy, Notre Dame, 61; co-auth, The politics of disarmament, Praeger, 62; auth, The diplomacy of disarmament, Int. Conciliation, 1/60. Address: Dept. of Political Science, University of Houston, Houston, Tex. 77004.

NOGEE, PROF. PHILIP, b. Wilkes Barre, Pa., Mar. 23, 16; m. 48; c. 2. PSYCHOLOGY. A.B. Harvard, 41, Ph.D.(clin. psychol), 53. Instr. clin. psychol, Princeton, 49-50; PSYCHOL, BOSTON, 50-52, asst. prof, 52-56, assoc. prof, 56-64, PROF, 64-, res. assoc, phys. res. lab, 51-52. Res. assoc, Ed. Testing Serv, 49-50; Ed. Res. Corp, 57-, mem. bd. dir, 63-; vis. lectr, Mass. Inst. Tech, 60. Summer res. assoc, Michigan, 53. Psychol. consult. to various nat. & New England indust. firms, 53-; consult, Vet. Admin. Hosps, Mass, 56- U.S.A.A.F. 42-46. Psychol. Asn; Statist. Asn. Construction and utilization of psychological tests and scales for personality assessment and for attitude measurement. Publ: Co-auth, Experimental measurement of utility, J. Polit. Econ; Some determinants of political attitudes among college youth, Pub. Opinion Quart; Auction value of certain risky situations, J. Psychol, 49: 167-179. Address: Dept. of Psychology, Boston University, 111 Cummington St, Boston, Mass. 02215.

NOLAN, DR. CARSON Y(OUNG), b. Indianapolis, Ind, Oct. 21, 25; m. 46; c. 3. PSYCHOLOGY. B.S. & M.A. Kentucky, 50; Ph.D.(psychol), Washington (St. Louis), 53. Res. psychologist, Washington (St. Louis), 52-53; aviation psychologist, Human Factors Ops. Res. Lab, 53; dir. personnel res. field unit I, U.S. Air Force Personnel & Training Res. Center, 54-56; res. scientist, human res. unit I, HumRRO, Ky, 56-58; DIR. ED. RES, AM. PRINTING HOUSE FOR BLIND, 58- Adj. assoc. prof, Louisville, 59- U.S.A.A.F. 43-46. Psychol. Asn. Physiological psychology; military training; educational measurement; education of blind children. Address: 4400 Rudy Lane, Louisville, Ky. 40207.

NOLAN, PROF. EDWARD GILLIGAN, b. Edinburgh, Scotland, June 20, 28. SOCIAL PSYCHOLOGY, PSYCHOMETRICS. M.A. Edinburgh, 48, B.Ed. 52; fel, Princeton, 52-54, M.A. 54, Ph.D.(soc. psychol), 59. Instr. psychol, Rutgers, 54-57; asst. prof, New Mexico, 57-62; assoc. prof, San Fernando Valley State Col, 62-65; BEHAV. SCI, COL. BUS. ADMIN, NEW MEXICO, 65-67, PROF, 67- British Army, 48-50. Psychol. Asn. Problems of measurement in psychology, scaling and factor analysis; social factors in behavior. Publ: Szondi test protocols of monozygotic and dizygotic twin populations, J. Proj. Tech, 61; co-auth, Irrelevant goal-seeking as a function of culture, 63 & A multi-lateral, multi-interaction approach to rumor analysis, Psychol. Reports. Address: College of Business Administration, University of New Mexico, Albuquerque, N.Mex. 87106.

NOLAN, DR. ESTHER GRACE, Ed. Psychol, see 10th ed, Soc. & Behav. Vols.

NOLAND, PROF. E(DWARD) WILLIAM, Sociol, see 10th ed, Soc. & Behav. Vols.

NOLAND, DR. ROBERT L, b. Detroit, Mich, May 20, 28; m. 51; c. 4. PSYCHOLOGY. Ph.B. Detroit, 52, M.A. 55; Dayton, 54-55; D.Ed.(counseling), Cincinnati, 66. Soc. caseworker, City of Detroit Welfare Dept, 52; time study engr, Murray Body Co, 52-53; counser, guid. center, DAYTON, 53-57, asst. prof. PSYCHOL, 57-62, ASSOC. PROF, 62- Asst. prof, Cincinnati, summer 59; Ohio State Univ. vis. prof, U.S. Air Force Inst. Tech, 63- U.S.A. 46-48. Psychol. Asn. Psychotherapy, especially Rogerian and Adlerian; psychodynamics of group behavior in education and industry; psychological study of traits of mentally ill leaders of nations; nonverbal communication in psychotherapy; therapeutic counseling in industry. Publ: A century of psychology in American secondary schools, J. Sec. Ed, 66; Theoretical foundations of the employee appraisal interview, Pub. Personnel Rev, 67; Presidential disability and the new constitutional amendment, Am. Psychologist, 1/67. Address: Dept. of Psychology, University of Dayton, Dayton, Ohio 45409.

NOLEN, PROF. RUSSELL M(ARION), b. Paris, Mo, Dec. 4, 01; m. 33; c. 2. ECONOMICS. A.B. Missouri, 23, A.M. 27; Ph.D. Washington (St. Louis), 36. Head dept. econ, Southern Illinois, 32-37; asst. prof, Illinois, Urbana, 37-46, assoc. prof, 46-50, PROF, 50-62; BUS. ADMIN. STETSON, 62- V-pres, Citizens Savings & Loan. Mem. Economists Nat. Cmt. Monetary Policy.

Econ. Asn; Finance Asn. Money and finance; monetary principles and theory; the gold standard; economic theory. Publ: The money market in 1949 & The tight money market, Commercial & Financial Chronicle; Business and the money market, Ill. Banker. Address: Dept. of Economics, Stetson University, DeLand, Fla. 32720.

NOLES, DR. RICHARD KENNETH, b. Sarasota, Fla, Mar. 21, 28; m. 53; c. 4. AGRICULTURAL ECONOMICS. B.S.A. Florida, 55, M.S.A. 57; Ph.D. (agr. econ), Illinois, 60. Asst. prof. POULTRY, GEORGIA, 60-66, ASSOC. PROF., 67- U.S.A. 50-52, Capt. Agr. Econ. Asn; Poultry Sci. Asn. Economics of poultry production and marketing. Address: Dept. of Poultry, University of Georgia, Athens, Ga. 30601.

NOLL, DR. JOHN O(WEN), b. San Francisco, Calif, July 28, 21; m. 52; c. 2. CLINICAL PSYCHOLOGY. B.A. California, Berkeley, 50; M.S. Illinois, 52; Ph.D. (psychol), Pittsburgh, 55. Chief psychologist, Adult Psychiat. Clin, Dayton, Ohio, 55-59 & 60-61, acting dir, 59-60; asst. prof. clin. psychol, Washington State, 61-64; assoc. prof, 64-65; dir. assessment progs, Wisconsin, Milwaukee, 65-67; ASSOC. PROF. CLIN. PSYCHOL, NORTH DAKOTA, 67- Consult, Family & Childrens Serv. Agency, Dayton, Ohio, 56-60; State Hosp. N. Orofino, Idaho, 62-65; Vet. Admin, 64-65; Jamestown State Hosp, N.Dak, 67-; Grand Forks Soc. Serv. Center, 67- U.S.N.R., 42-45. Psychol. Asn. Administration; supervision; teaching. Address: Dept. of Psychology, University of North Dakota, Grand Forks, N.Dak. 58201.

NOLL, PROF. V(ICTOR) H(ERBERT), b. Pittsburgh, Pa, Oct. 1, 00; m. 30; c. 2. PSYCHOLOGY. B.S. Pa. State Col, 22; A.M. Minnesota, 27, Ph.D. (ed. psychol), 29. Instr, univ. high sch, Minnesota, 26-27, asst. & instr. ed. psychol, univ, 29-30; ed. specialist, Nat. Surv. Sec. Ed, 30-32; assoc. res. inst. sch. exp. Teachers Col, Columbia, 32-34; prof. ed. & psychol. & head dept, R.I. State Col. 34-38; assoc. prof. ED, MICH. STATE, 38-39, PROF, 39-, head dept, 39-43. Staff mem, surv. higher ed, Oregon, 30; specialist test develop, U.S. Dept. State, Germany, 51-52; Fulbright lectr, Middle East Tech, Ankara, 59. Consult, testing progs, U.S. Opers. Mission & Ministry Ed, Bangkok, Thailand, summer, 66. Ed. test dept, Harcourt, Brace & World, Inc, 63-64. U.S.N.R., 43-45, Lt. Comdr. Fel. Psychol. Asn; Nat. Coun. Measurement in Ed. (pres, 58-59); Ed. Res. Asn. Psychology of learning; measurement at college level; science tests at secondary level. Publ: Co-auth. & ed. Readings in educational psychology, 62, 68 & auth. & ed. Psychological foundations of education series, 64-68, Macmillan; auth. Introduction to educational measurement, Houghton, 2nd ed, 65. Address: Erickson Hall, Michigan State University, East Lansing, Mich. 48823.

NOLTE, DR. HERBERT WILLIAM, b. Utica, N.Y., Dec. 25, 28; m. 52; c. 3. COUNSELING PSYCHOLOGY. B.A. Wagner Col, 51; M.A. Columbia, 52, Ed.D., 56. Chief, voc. counseling serv, Vet. Admin. Hosp, Canandaigua, N.Y., 57-62; COORDINATOR COUNSELING PSYCHOL, VET. ADMIN. HOSP, BRECKSVILLE, OHIO, 62- Psychol. Asn. Occupational information; vocational counseling; objective psychological tests; rehabilitation of neuropsychiatric patients; work therapy changing community attitudes regarding mentally restored. Address: 3549 Harris Rd, Brecksville, Ohio 44141.

NOLTING, ORIN F(REDERYC), b. Kearney, Mo, Apr. 19, 03; m. 27. POLITICAL SCIENCE. A.B. Kansas, 26; fel. Syracuse, 27-29, M.S. 29; Chicago, 36. Managing ed, Pub. Mgt. & asst. dir. INT. CITY MGRS. ASN, 29-56, ed. & exec. dir, 56-67, EMER. DIR, 67- Chmn. bd, Pub. Admin. Serv, Ill, 66-68. Del. cong. Int. Union Local Authorities, Austria, 53, mem. exec. cmt. & v-pres, Netherlands, 57-; mem. census adv. cmt. state & local govt. statist, U.S. Bur. Census, 59-61. Soc. Pub. Admin. Municipal administration; city-manager profession; methods in city government; trend toward regionalism in local government organization. Publ: Co-auth, The city manager profession, Univ. Chicago, 34; auth, Post-entry training in the public service in Western Europe, Int. City Mgr. Asn, 62. Address: 1313 E. 60th St, Chicago, Ill. 60637.

NOONAN, DR. LOWELL G, b. San Francisco, Calif, Feb. 11, 22; m. 46; c. 2. POLITICAL SCIENCE. A.B. San Francisco State Col, 44; M.A. Stanford, 46; Ph.D. California, 51. Instr. POLIT. SCI, Pa. State, 48-49; assoc. prof, Southern California, 49-60; PROF, SAN FERNANDO VALLEY STATE COL, 60- Ford Found. fel, 52-53; Fulbright res. prof, Inst. Polit. Study, Paris, 57-58; Fulbright lectr, Innsbruck, 66-67; mem. cmt. on France, Fulbright-Hays Awards Nat. Screening Cmt, 67-68; staff assoc, Govt. Affairs Inst, D.C. U.S.A., 42-45. Polit. Sci. Asn; Acad. Polit. Sci. Comparative government; political theory, nineteenth century. Publ: European politics and government: a comparative approach. Address: 20444 Acre St, Canoga Park, Calif. 91306.

NOONAN, DR. NORMA C(ORIGLIANO), b. Philadelphia, Pa, May 19, 37; m. 63. POLITICAL SCIENCE, COMPARATIVE POLITICS. B.A. Pennsylvania, 59, Nat. Defense Ed. Act fel, 59-62, M.A., 62, univ. grant, 63-64, Ph.D. (polit. sci), 65. Asst. prof. POLIT. SCI, Western Kentucky, 65-66; AUGSBURG COL, 66-68, ASSOC. PROF, 68- Vis. asst. prof, Minnesota, summer 67. Polit. Sci. Asn; Asn. Adv. Slavic Studies. International relations; Soviet politics and government and Soviet foreign policy. Address: Dept. of Political Science, Augsburg College, Minneapolis, Minn. 55404.

NOORI, DR. HOSSEIN, b. Tehran, Iran, Mar. 21, 29; m. 67. PSYCHOLOGY, SOCIOLOGY. B.A. Tehran, 54; M.A. Colo. State Col, 60, Ed.D. (ed. psychol. & guid, soc. sci), 65. Dir. guid, pub. schs, Colo, 62-65; consult. soc. affairs, Off. Prime Minister, Iran, 65-66; PROF. PSYCHOL. & DIR. DEPT, BRENAU COL, 66- Personnel & Guid. Asn. Political, psychological and sociological causes of nationalization of oil industry in Iran. Address: Dept. of Psychology, Brenau College, Gainesville, Ga. 30501.

NORBECK, PROF. EDWARD, b. Can, Mar. 18, 15; nat; m. 50; c. 3. ANTHROPOLOGY. B.A. Michigan, 48, M.A. 49, Ph.D. (anthrop), 52. Instr. ANTHROP, Utah, 52, asst. prof, 52-54; California, 54-60; assoc. prof, RICE, 60-62, PROF, 62-, CHMN. DEPT, 64-, dean humanities & soc. sci, 66-67. Res. fel, center Japanese studies, Michigan, 48, Chinese Cultural fel, univ, 48 & univ. fels, 49-50; Soc. Sci. Res. Coun. field training fel, Japan, 50-51 & res. grant-in-aid, 61-62; Univ. California intra-mural res. grants & fels,

54-59 & faculty fel, 57; Ford Found. res. grant Japanese culture, 58; Wenner-Gren Found. Anthropol. Res. field res. grant, Japan, 59 & grant-in-aid, Rice, 61-62; Nat. Sci. Found. sr. res. fel, Japan, 58-59 & res. grants-in-aid, Japan, 64-65, 66-67, personality, 66; Center Res. Soc. Change & Econ. Develop. res. grant-in-aid, Rice, 67-68. Sig. C. & Mil. Intel, 43-46, 2nd Lt. Anthropol. Asn; Ethnol. Soc; Soc. Archaeol; Asn. Asian Studies; Soc. Sci. Study Relig; Japanese Soc. Ethnol. Cultural change and evolution; Japanese society and culture; kinship and social organization; primitive religion; ethnology of Asia and the Pacific. Publ: Takashima, a Japanese fishing community; Pineapple town: Hawaii; Religion in primitive society. Address: Dept. of Anthropology & Sociology, Rice University, Houston, Tex. 77001.

NORCROSS, HARRY C(ERIC), b. Springfield, Mass, June 21, 95; m. 23; c. 2. ECONOMICS. B.S. Mass. Agr. Col, 23; M.S. Conn. State Col, 33; Harvard, 38-39, 42. Instr. farm mgt, Vermont, 34-38; county planning worker, Mass, 39-40; asst. Harvard, 40-42; agr. econ. statistician, U.S. Dept. Agr, 42-64; planning technician, bur. community develop, Dept. Community Affairs, Harrisburg, Pa, 65-67; RETIRED. Economist, Exten. Serv, Conn, 23-29; Vt, 33-38. U.S.A., 18, 2nd Lt. Agr. Econ. Asn. Interindustry economics; agricultural policy. Publ: Net income and production expense of farm operators by states, 1929, 1939-1944; auth, Cash receipts from major farm commodities by states; Retail value and farm income by commodity groups. Address: 100 E. York St, Biglerville, Pa. 17307.

NORD, DR. WALTER ROBERT, b. Mt. Kisco, N.Y., July 2, 39; m. 67. PSYCHOLOGY. B.A. Williams Col, 61; M.S. Cornell, 63; Ph.D. (psychol), Washington (St. Louis), 67. ASST. PROF. ORGN. PSYCHOL, WASHINGTON (ST. LOUIS), 67- Social psychology of groups and individual behavior, especially social conformity and social exchange theory; organizational behavior; social psychology of social research. Publ: Individual organizational conflict in a merger, Bus. Viewpoints, 68. Address: School of Business, Washington University, St. Louis, Mo. 63130.

NORDIN, PROF. J(OHN) A(LGOT), b. Minneapolis, Minn, Mar. 18, 16. ECONOMIC THEORY. A.B. Minnesota, 35, A.M. 37, Ph.D., 41. Asst. econ, Minnesota, 36-38, instr, 38-41; asst. prof, Iowa State, 41-42, 45-48, assoc. prof, 48-53, prof, 53-61; prof. econ. theory & agr. econ. & head dept. econ. & sociol, KANSAS STATE, 61-64, head dept. econ, 64-67, PROF. ECON, 67- Mem. econ. panel, Nat. Sci. Found, 63-65. U.S.N.R., 42-45. Econ. Asn; Agr. Econ. Asn; Economet. Soc. Welfare economics. Publ: Co-auth, Elementary economics, 2nd ed, Prentice-Hall, 54; auth, Application of econometric procedures to the demand for agricultural products, Res. Bull. Agr. Exp. Sta. Iowa State Univ, 6/54; A method of replacement analysis, The Eng. Economist, 1-2/61. Address: Dept. of Economics, Kansas State University, Manhattan, Kans. 66502.

NORDLI, DR. WILLIAM, b. Salt Lake City, Utah, Jan. 15, 16; m. 45; c. 1. PSYCHOLOGY. B.A. California, Los Angeles, 37; fel, Yale, 39-42, Ph.D., 42. Asst. prof. ed. psychol, Pennsylvania, 46-47; staff psychologist, Rohrer, Hibler & Replogle, 47-53; PARTNER, NORDLI & WILSON ASSOCS, 53- U.S.N.R., 42-46, Lt. Fel. Psychol. Asn. Industrial psychology; research in management. Address: 22 Imperial Ave, Westport, Conn. 06880.

NORDLIE, DR. PETER G(ERHARD), b. Chicago, Ill, Apr. 28, 30; m. 58; c. 3. SOCIAL PSYCHOLOGY. B.A. Maryland, 52, M.A., 54; Ford Found. Jr. fel. Michigan, 56-57, Ph.D. (soc. psychol), 58. Asst. Psychol. Res. Assocs. Va, 53-54; small group res. proj, Michigan, 53-56; res. scientist, HUMAN SCI. RES. INC, 58-59, sr. res. scientist & v-pres, 59-66, RES. DIR, 66- Psychol. Asn; Sociol. Asn. Small group performance criterion development; systems research methodology; social and psychological effects of disaster; problems in paramilitary operations; propaganda; cross-cultural measurement of value orientations. Publ: Social phenomena in a post-nuclear attack situation; Synthesis and comparisons of system research methods; co-auth, A study of values, communication patterns and demography of rural south Vietnamese, Adv. Res. Proj. Agency Report, 2/68. Address: Human Sciences Research, Inc, Westgate Research Park, 7710 Old Springhouse Rd, McLean, Va. 22101.

NORDQUIST, DR. GERALD L, b. Ft. Dodge, Iowa, Apr. 1, 30; m. 59; c. 2. ECONOMICS. B.S.C. Iowa, 53, M.A., 56, Ph.D. (econ), 60; London Sch. Econ, 57-58, Rotary Int. fel, 67-68. Instr. ECON, IOWA, 58-60, asst. prof, 60-63, ASSOC. PROF, 63-, DIR. GRAD. PROG, 66- Vis. asst. prof, Michigan, 62, vis. assoc. prof, 65. U.S.A.F., 48-49, Res, 53-60, 1st Lt. Econ. Asn; Economet. Soc. Price theory with special emphasis on the theory of the firm; economics of the medical care industry. Publ: Reflections on American economic growth & Managerial economics and the theory of the firm, 1/66, Iowa Bus. Digest; The breakup of the Maximization Principle, Quart. J. Bus. & Econ. Address: Dept. of Economics, University of Iowa, Iowa City, Iowa 52240.

NORDSKOG, PROF. JOHN ERIC, b. Story City, Iowa, Mar. 3, 93. SOCIOLOGY. A.B. Drake, 22; Roberts fel, Columbia, 22-23, A.M., 23; Roberts traveling fel. from Columbia, London Sch. Econ, 26-27; Ph.D., Southern California, 40. Asst. prof. econ. & head dept, Drake, 24-28; prof. SOCIOLOGY, SOUTHERN CALIFORNIA, 28-62, EMER. PROF, 62- Sociol. Asn; Acad. Polit. & Soc. Sci. International relations; problems of world organization; social institutions. Publ: Contemporary social reform movements; Social change; Analyzing social problems. Address: Dept. of Sociology, University of Southern California, Los Angeles, Calif. 90007.

NORDYKE, DR. JAMES WALTER, b. Rock Springs, Wyo, June 21, 30. ECONOMICS. A.B. Stanford, 52; M.A. Princeton, 57, Ph.D., 59. Asst. int. econ, Princeton, 56-58; instr. ECON, Kenyon Col, 58-60, asst. prof, 60-64; ASSOC. PROF, NEW MEXICO STATE, 64- U.S.A., 53-55. Econ. Asn; Asn. Comp. Econ. Address: Dept. of Economics, New Mexico State University, Box 3032, University Park, Las Cruces, N.Mex. 88001.

NOREM, PROF. GRANT M(ELANCTHON), b. Sioux Falls, S.Dak, Aug. 23, 98; m. 32; c. 4. PSYCHOLOGY. B.A. St. Olaf Col, 22; M.A. Iowa, 28, Ph.D. (psychol), 29. Prof. ED. & PSYCHOL, MINOT STATE COL, 29-67, dir.

student personnel, 39-60, chmn. guid. & testing serv, 60-67; v.pres, 61-65, EMER. PROF, 67- Mem, State Bd. Psychologist Exam, 67-70. Psychol. Asn; Coun. Measurement in Ed. Education. Publ: Faculty organization for counseling in the small college & co-auth, Evaluation schedule for academic ranking, Peabody J. Ed. Address: 822 Fourth Ave. N.W, Minot, N.Dak. 58701.

NORGREN, PROF. PAUL H(ERBERT), b. Worcester, Mass, Oct. 27, 03; m. 30; c. 4. ECONOMICS. B.S, Worcester Polytech, 27; A.M. Harvard, 37, Wertheim fel, 38, Ph.D.(econ), 40. Design & standards engr, Sylvania Elec. Prod. Co, 29-35; asst. prof. econ. & govt, Worcester Polytech, 37-41; labor consult, War Prod. Bd, 41-43; v.chmn. war shipping panel, War Labor Bd, 43-45; labor attache, U.S. For. Serv, 45-47; prof. econ, Stanford, 47-49; res. assoc, Indust. Reels. Counsors, Inc, 49-60; indust. rels. sect, Princeton, 60-62; vis. prof. econ, Brooklyn Col, 62-63; PROF. MGT, RUTGERS, 65-Res. assoc. soc. sci. res. proj. on Negro in Am, Carnegie Corp. Am, 39-40; Res. proj. dir. U.S. Dept. Labor res. grant, Columbia, 63-66. Econ. Asn; Indust. Reels. Res. Asn. Economics of employment and wages; employment problems of minority groups; labor-management relations and collective bargaining; personnel administration. Publ: Swedish collective bargaining system; co-auth, Employing the Negro in American industry; Toward fair employment, Columbia, 64. Address: 4 Interlaken Rd, Stamford, Conn. 06903.

NORIEGA-MORALES, DR. MANUEL, Econ. & Soc, Develop, see 10th ed, Soc. & Behav. Vols.

NORMAN, PROF. ALBERT, b. Dec. 4, 14; m. 45; c. 1. INTERNATIONAL RELATIONS. B.B.S, City Col. New York, 42; M.A, Clark, 48, Ph.D, 51. Assoc. prof. HIST. & INT. RELS, NORWICH, 51-66, PROF, 66- Vis. prof, adult ed. faculty, Vermont, 53-54; summer, vis. lectr, City Col. New York, 53, 55. U.S.A, 42-47, Res, 47-, Maj. American diplomatic history; contemporary international affairs. Publ: Contrib. Entscheidungsschlachten des zweiten Weltkrieges; Operation overload; Our German policy: propaganda and culture. Address: Dept. of Social Sciences, Norwich University, Northfield, Vt. 05663.

NORMAN, PROF. CHARLES B, b. Omaha, Nebr, Nov. 29, 00. ECONOMICS. A.B, DePauw, 22; fel, Brookings Inst, 30-31; Ph.D, Stanford, 33; California, 38. Instr, Stanford, 27-28; asst. prof, Oregon, 28-29; prof, Westminster Col, 33-38; from assoc. prof. to PROF. ECON, UNIV. OF THE PACIFIC, 38- Econ. Asn; Sociol. Asn. Address: 1448 W. Euclid, Stockton, Calif. 95204.

NORMAN, DR. DONALD A(RTHUR), b. New York, N.Y, Dec. 25, 35; m. 58; c. 2. PSYCHOLOGY. B.S, Mass. Inst. Tech, 57; M.S, Pennsylvania, 59, Ph.D.(psychol), 62. Asst. instr. & instr. elec. eng, Moore Sch. Elec. Eng, Pennsylvania, 57-62; lectr. & res. fel. PSYCHOL, Harvard, 63-66; ASSOC. PROF, CALIFORNIA, SAN DIEGO, 66- Nat. Sci. Found. fel, center cognitive studies, Harvard, 62-64. Acoustical Soc. Am; Psychol. Asn; Asn. Comput. Mach; Psychonomic Soc. Theoretical and experimental investigation of human perceptual processes; memory; attention; computer techniques. Publ: Memory and attention, Wiley, 68; Co-auth, Primary memory, 65 & auth, Toward a theory of memory and attention, 68, Psychol. Rev. Address: Dept. of Psychology, University of California, San Diego, La Jolla, Calif. 92037.

NORMAN, PROF. EDWARD C(OBB), b. B.C, Can, Oct. 5, 13; nat; m. 49; c. 3. PSYCHIATRY. B.S, Washington (Seattle), 35; M.D, Pennsylvania, 40; M.P.H, Tulane, 67. Intern, Phila. Gen. Hosp, 40-42; res. physician, Pa. Hosp. for Ment. & Nervous Diseases, Phila, 42-43; Michael Reese Hosp, Chicago, Ill, 46-49, clinic physician, 49-52; asst. prof. clin. psychiat, TULANE, 53-60, assoc. prof, 60-64, PROF. PSYCHIAT. & PREV. MED, 64-, HEAD MENT. HEALTH SECT, SCH. PUB. HEALTH, 67- Clin. instr, Illinois, 49-52; assoc. dir. inter-univ. forum for ed. community psychiat, Duke, 67-68. Consult. physician, Southeast La. State Hosp, 53-60; Vet. Admin. Hosp, Gulfport, Miss, 53-64; vis. physician, Charity Hosp La. New Orleans, 53-64, sr. vis. physician, 64-; staff physician, Sara Mayo Hosp, 54-64. U.S.P.H.S, 43-46, Surgeon. AAAS; Psychiat. Asn; Psychosom. Soc; Acad. Psychoanal; Pub. Health Asn; N.Y. Acad. Sci. Psychotherapy; community mental health. Publ: Co-auth, Electroshock therapy by stimulation of discrete cortical sites with small electrodes, Proc. Soc. Exp. Biol. & Med, 46; auth, Keeping the patient in focus, Hospitals, 60; Role of the mental health consultee, Ment. Hyg, 68. Address: Mental Health Section, School of Public Health, Tulane University, New Orleans, La. 70112.

NORMAN, PROF. JOHN, Polit. Sci, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

NORMAN, PROF. R(ALPH) D(AVID), b. New York, N.Y, June 2, 15; m. 42; c. 2. PSYCHOLOGY. B.S, City Col. New York, 34; M.A, Columbia, 36; Ph.D.(psychol), Ohio State, 46. Psychologist, Clinton Prison, N.Y, 37-38; Miss. State Hosp, 38; U.S. Pub. Health Serv, Ohio, 39-40; asst. psychol, Ohio State, 40-41; personnel technician, U.S. Army Tech. Training Command, 41-42; psychologist, Vet. Admin. Hosp, Lyon, N.J, 46-47; asst. prof. PSYCHOL, Princeton, 47-48; Michigan, 48-49; from asst. to PROF, NEW MEXICO, 49- Consult, Sandia Corp, 60. Dipl. Am. Bd. Exam. Prfl. Psychol, 52. U.S.N.R, 42-46, Med.Serv.C, 46-, Lt. Comdr. Fel. Psychol. Asn. Clinical psychology; personality tests and measurements; exceptional children. Address: Dept. of Psychology, University of New Mexico, Albuquerque, N.Mex. 87106.

NORMAN, DR. ROBERT T, b. Salt Lake City, Utah, July 9, 34; m. 62; c. 3. POLITICAL SCIENCE, ECONOMICS. B.A, Stanford, 55, M.A, 57; fel, Harvard, 56-60, M.P.A, 58, Ph.D.(polit. econ, govt), 63. Assessor, City of Stockton, Calif, 53 & 54; teaching asst. polit. sci, Stanford, 55-58; asst. prof, Kalamazoo Col, 61-62; lectr. U.S. for. policy, Northeastern, 63; economist, Fed. Aviation Admin, 63-64; Agency Int. Develop, Dept. of State, 64-67; asst. prof. URBAN AFFAIRS, GRAD. SCH. PUB. & INT. AFFAIRS, PITTSBURGH, 67-68, ASSOC. PROF, 68- Polit. Sci. Asn; Soc. Pub. Admin; Econ.

Asn. Urban and comparative politics; urban economics; city and regional planning and administration; political theory. Publ: The Harvard plan for metropolitan Boston, West. Polit. Quart, 9/63; Defense by contract, Nat. Civic Rev, 9/63. Address: Graduate School of Public & International Affairs, University of Pittsburgh, Pittsburgh, Pa. 15213.

NORMAN, PROF. ROBERT Z(ANE), Math, see 11th ed, Phys. & Biol. Vols.

NORMAN, PROF. WARREN T(HEODORE), b. St. Paul, Minn, Oct. 24, 30; m. 52; c. 3. PSYCHOLOGY. B.S, Minnesota, 52, M.A, 55, fel, 55-57, Ph.D. (psychol), 57. Asst. psychol, Minnesota, 52-55, statist, 53; instr. PSYCHOL, MICHIGAN, 57-59, asst. prof, 59-63, assoc. prof, 63-66, PROF, 66-, acting chmn. dept, 67-68. Nat. Insts. Health spec. res. fel, Ore. Res. Inst, 66-67. Consult, adv. psychol. test, Grad. Record Exam, 65- AAAS; Psychol. Asn; Statist. Asn; Psychomet. Soc; Ed. Res. Asn; Nat. Coun. Measurement in Ed. Personality assessment and structure; mental testing and measurement; trait taxonomy. Publ: Toward an adequate taxonomy of personality attributes: replicated factor structure in peer nomination personality ratings, J. Abnorm. & Soc. Psychol, 63; co-auth, Raters, rates, and randomness in personality structure, J. Personality & Soc. Psychol, 66; auth, On estimating psychological relationships: social desirability and self-report, Psychol. Bull, 67. Address: Dept. of Psychology, University of Michigan, Ann Arbor, Mich. 48104.

NORMINGTON, DR. CHERYL J, b. Lake Odessa, Mich, Dec. 13, 35. PSYCHOLOGY. A.B, Hope Col, 58; M.A, Mich. State, 60, U.S. Pub. Health Serv. fel, 61, Ph.D.(clin. psychol), 64. Diagnostician, Lansing Pub. Sch. Syst, Mich, 63-64; ASST. PROF. PSYCHOL, Wyoming, 64-65; COLORADO STATE, 65- Co-prin. investr, Kettering Found. res. grant, 67-68. Acting dir, Cent. Wyo. Counseling Center, summer, 65, consult, 65- Psychol. Asn; Personnel & Guid. Asn. Psychotherapy; counselor training. Publ: Co-auth, A sexual differentiation scale for the D-A-P test, J. Proj. Tech, 61; auth, Time-estimation in process-reactive schizophrenia, J. Consult. Psychol, 67; co-auth, Micro-counseling and attending behavior: an approach to pre-practicum counselor training, J. Counseling Psychol, (in press). Address: Dept. of Psychology, Colorado State University, Ft. Collins, Colo. 80521.

NORRELL, DR. GWENDOLYN, b. Eudora, Ark, Nov. 12, 19. EDUCATIONAL PSYCHOLOGY. A.B, Peabody Col, 42; M.A, Columbia, 44; Ed.D, Colorado, 57. Teacher, high sch, Ark, 42-44; PROF. & ASST. DIR, COUNSELING CENTER, MICH. STATE, 45- Psychol. Asn; Personnel & Guid. Asn. Classroom conditions which facilitate or retard analysis and synthesis. Publ: Co-auth, Interest awareness as an aspect of self awareness, J. Counseling Psychol. & Prediction of academic success in a police administration curriculum, Ed. & Psychol. Measurement. Address: 2928 Kenwick, Lansing, Mich. 48912.

NORRIS, DR. JAMES D, Am. Frontier & Econ. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

NORRIS, PROF. JOHN M, Mod. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

NORRIS, PROF. MARTIN, b. Minden, La, Feb. 22, 22; m. 43; c. 1. SOCIOLOGY. B.S, La. State, 48, M.A, 52, Ph.D.(sociol), 58; B.Th, Anderson Col, 49. Voc. counsr, Vet. Admin, La. State, 50-51; asst. prof. SOCIOL, La. Col, 51-52; instr, Southern Methodist, 52-58, asst. prof, 58; ANDERSON COL, 58-61, ASSOC. PROF, 61- U.S.A.A.F, 43-46, Sgt. Sociol. Asn. Marriage and family relations, especially methods of adjusting to marital problems. Publ: So you are married; Does parental quarreling affect a child's personality?, Christian Leader. Address: Dept. of Sociology, Anderson College, Anderson, Ind. 46012.

NORRIS, PROF. NILAN, b. Sacramento, Calif, May 12, 07. ECONOMICS. A.B, Stanford, 30, A.M, 32, Ph.D.(econ), 40. Instr. ECON, Vassar Col, 34-35; Michigan, 35-36; Maryland, 36-37; LEHMAN COL, CITY UNIV. NEW YORK, 38-47, asst. prof, 48-60, ASSOC. PROF, 60-, CHMN. DEPT, 68- Vis. asst. prof, N.Y. Univ, 50-56, lectr, grad. sch. arts & sci, 50, vis. assoc. prof, 60-66. U.S.A.A.F, 42-46, Maj. Econ. Asn; Statist. Asn; Economet. Soc; Inst. Math. Statist. Statistics; accounting; economic theory. Publ: Some contributions to the theory of statistical averages; Some efficient measures of relative dispersion & standard errors of the geometric and harmonic means, Ann. Math. Statist. Address: Dept. of Economics, Lehman College, City University of New York, Bedford Park Blvd. W, Bronx, N.Y. 10468.

NORRIS, PROF. RAYMOND C, b. Tarentum, Pa, June 22, 24; m. 49; c. 5. EDUCATIONAL PSYCHOLOGY. B.S, Pa. State Teachers Col, Slippery Rock, 48; M.A, Columbia, 49, Ph.D.(ed. psychol), 57. Teacher, pub. schs, Pa, 49-50; asst. statist, Teachers Col, Columbia, 50-53; from instr. to prof. ed. psychol. & statist, GEORGE PEABODY COL, 53-62, acting dean instr, 61-63, PROF. STATIST. & MEASUREMENT & DIR. INST. SCH. LEARNING & INDIVIDUAL DIFFERENCES, 63-, acting dean grad. sch, summer 64. Mem. NCATE vis. teams, Univ. Alabama, Ga, South. Col, Okla. East Cent. State Col, 62-66; prof, St. Lawrence, summer 67. Consult, Proj. Sweat, Fla. State, summer 66; Nashville Symphony Asn; Metrop. Action Cm; Baptist Sunday Sch. Bd; sch. nursing, Vanderbilt; Bill Wilkerson Speech & Hearing Center. Mem. coop. res. proposal rev. panels, U.S. Off. Ed, Atlanta & Dallas Regional Off, 66- U.S.A.A.F, 42-45. Ed. Res. Asn; Psychol. Asn; Statist. Asn. Test development and research on relationship of individual differences to learning in children; statistical techniques. Publ: An empirical investigation of the effects of non-normality upon the sampling distributions of the product moment correlation coefficient, Coop. Res. Proj. Report, 3/60; co-auth, Syntax of kindergarten and elementary school children: a transformational analysis, NCTE Res. Report Number 8, 67 & Entrance age and school success, J. Sch. Psychol, 67. Address: Dept. of Psychology, George Peabody College for Teachers, Box 504, Nashville, Tenn. 37203.

NORRIS, DR. VINCENT PAUL, b. Scottsdale, Pa, Jan. 16, 28; m. 51; c. 4. COMMUNICATIONS. B.S, Illinois, 55, M.S, 58, Ph.D.(commun), 60. Asst. prof. ADVERT, PA. STATE, 60-64, ASSOC. PROF, 64-, CHMN. GRAD.

- STUDIES, 66- U.S.M.C. 46-47, 49-54, 1st Lt. Asn. Ed. in Journalism. Theories of communications systems; economics of communications; social and economic aspects of advertising. Publ: Advertising and value added, In: The role of advertising, Irwin, 60; Toward the institutional study of advertising, Occasional Papers Advert, 1/66. Address: 243 W. Park Ave, State College, Pa. 16801.
- NORSWORTHY, DR. DAVID RAY, b. Florien, La, Nov. 15, 31; m. 57; c. 3. SOCIOLOGY, DEMOGRAPHY. B.S., La. State, 54; M.A., North Carolina, 59, Nat. Sci. Found. & Pop. Coun. fcls, 60-61, Ph.D.(sociol), 61. Asst. prof. sociol, Tulane, 61-64; res. assoc. pop. studies center & asst. prof. SOCIOL, Michigan, 64-65; ASSOC. PROF, TEMPLE BUELL COL, 65-, DIR. ED. RES, 67-, acting head div. behav. sci, 66-67. Nat. Defense Ed. Act summer fel. Spanish, 62; Danforth Assoc, 66- Chem.C, 54-56, 1st Lt. Sociol. Asn; Ed. Res. Asn. Sociology of higher education, especially student culture and social organization. Publ: Co-auth, Industry and race in the Southern U.S., In: Industrialization and race relations, Inst. Race Rels, London, 65; The changing occupational structure of the South, In: The South in continuity and change, Duke, 65. Address: Dept. of Sociology, Temple Buell College, 1800 Pontiac St, Denver, Colo. 80220.
- NORTH, PROF. ALVIN J(OHN), b. Chasely, N.Dak, June 21, 17; m. 43; c. 1. PSYCHOLOGY. M.A., Yale, 42, Ph.D.(psychol), 48. Asst. prof. psychol, Southern Methodist, 48-51, assoc. prof, 51-58, chmn. dept, 52-56, 59-61, 64-67, PROF, 58-68; PSYCHOL. & NEUROL, SOUTHWEST. MED. SCH, TEXAS, 68- Ford faculty fel, 53-54; vis. prof, Utah, 61-62; Texas Christian, 67-68. U.S.A.A.F, 42-46, Lt. Col. Psychol. Asn; Psychonomic Soc. Learning, concept formation and discrimination; social psychology, small group behavior. Publ: Co-auth, Psychology: understanding human behavior, McGraw, 3rd ed, 67. Address: 3310 Milton Ave, Dallas, Tex. 75205.
- NORTH, DEAN ARTHUR A(LEXANDER), S.J., Polit. Sci, see 10th ed, Soc. & Behav. Vols, deceased 66.
- NORTH, PROF. DOUGLASS C(ECIL), b. Cambridge, Mass, Nov. 5, 20; m. 44; c. 3. ECONOMICS. B.A., California, Berkeley, 42, Ph.D.(econ), 52. Asst. prof. ECON, WASHINGTON (SEATTLE), 51-56, assoc. prof, 56-60, PROF, 60-, CHMN. DEPT, 67-, dir. inst. econ. res, 61-67. Dir, Nat. Bur. Econ. Res, 67- Ed, J. Econ. Hist, 60-66. U.S. Merchant Marines, 42-46. Econ. Asn. Economic history and growth. Publ: The economic growth of the United States, 1790-1860, 61 & Growth and welfare in the American past, 66, Prentice-Hall. Address: Dept. of Economics, University of Washington, Seattle, Wash. 98105.
- NORTH, MAX H(EADLEY), Econ, Statist, see 10th ed, Soc. & Behav. Vols, deceased 64.
- NORTH, PROF. ROBERT CARVER, b. Walton, N.Y., Nov. 17, 14; m. 43; c. 5. POLITICAL SCIENCE. A.B., Union Coll.(N.Y.), 36; M.A., Stanford, 48, Ph.D., 57. Res. assoc. POLIT. SCI, Hoover Inst, STANFORD, 50-57, assoc. prof, 57-62, PROF, 62- U.S.A., 42-46; U.S.A.F, 51-53, Capt. Polit. Sci. Asn; Hist. Asn; Asn. Asian Studies. Soviet relations; Chinese communist party; international political behavior; development of computerized methods for studying international relations. Publ: Chinese communism, World Univ. Library, 66; Moscow and Chinese communist; Kuomintang and Chinese communist elites. Address: Dept. of Political Science, Stanford University, Stanford, Calif. 94305.
- NORTH, DR. ROBERT D(AVIDSON), b. Pascagoula, Miss, July 23, 18; m. 46; c. 3. PSYCHOLOGY. A.B., N.Y. Univ, 41; M.A., Columbia, 47, Ph.D.(psychol), 49. Lectr, psychol, Columbia, 46-50; asst. prof. psychol, Kentucky & asst. dir. personnel & asst. dir. Ky. Coop. Counseling & Testing Serv, 50-54; from asst. dir. to assoc. dir, Ed. Records Bur, 54-64, v.pres, 64-65; ASSOC. DIR. PRFNL. EXAM. DIV. PSYCHOL. CORP, 65- Sr. scientist, Psychiat. Inst, N.Y., 49-50. Ed. consult, Boys Club New York, 56-; test & measurement consult, Sch. Dist. Phila, 67- U.S.A.A.F, 42-46, Lt. Psychol. Asn; Personnel & Guid. Asn; Nat. Coun. Measurement in Ed.(secy-treas, 58-61); Ed. Res. Asn. Educational and psychological testing; statistics; personnel selection. Publ: Co-auth, Guidance services, Sci. Res. Assoc, 67; co-auth, Techniques of guidance, Harper, 66; auth, Achievement growth trends of independent school pupils as reflected by fall and spring results on the Stanford achievement test, Ed. Records Bull. Address: Psychological Corp, 304 E. 45th St, New York, N.Y. 10017.
- NORTH, DR. S(IDNEY) L(ESLIE), Psychol, see 10th ed, Soc. & Behav. Vols.
- NORTH, PROF. WALTER M(URRAY), b. Norfolk, Va, Oct. 17, 21; m. 50; c. 1. SOCIOLOGY, ANTHROPOLOGY. B.A., Col. William & Mary, 47; M.A., North Carolina, 49, Ph.D.(sociol), 52. Instr. SOCIOL. & ANTHROP, KNOX COL. (ILL), 50-53, asst. prof, 53-58, assoc. prof, 58-67, PROF, 67-, DIR. STUD. ENT ASSISTANCE, 59-, chmn. dept. sociol, 60-67. U.S.A.A.F, 43-45, Sgt. Sociol. Asn. Sociology of work and management. Address: 1684 Maple Ave. Galesburg, Ill. 61401.
- NORTHAM, DR. RAY MERVYN, b. Calgary, Can, May 28, 29; m. 53; c. 2. URBAN & INDUSTRIAL GEOGRAPHY. B.S., Oregon State, 53, M.S., 54; summer, Washington (Seattle), 55; Ph.D. Northwestern, 60. Instr. GEOG, exten. div, Wisconsin, 54-55; Georgia, 58-59; asst. prof, 59-62; Portland State Col, 62-65; vis. assoc. prof, Yale, 65-66; ASSOC. PROF, OREGON STATE, 66- Assoc. Columbian Res. Inst, 63- Asn. Am. Geog; Am. Geog. Soc; Regional Sci. Asn. Economic base of cities; land use patterns and relations in cities and the relation between cities and the areas they serve; declining urban centers; intraurban distribution and potential of vacant urban land. Publ: Co-auth, World economic activities: a geographic analysis, Harcourt, 68; auth, Declining urban centers in the United States: 1940-1960, Ann. Asn. Am. Geog, 3/63; The planned industrial district in Anglo-America, Yearbook Asn. Pac. Coast Geogr, 65. Address: Dept. of Geography, Oregon State University, Corvallis, Ore. 97331.
- NORTHROP, PROF. MILDRED B(ENEDICT), Econ, see 10th ed, Soc. & Behav. Vols, deceased 63.
- NORTHROP, DR. ROBERT MILTON, b. Ft. Wayne, Ind, June 14, 28. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B., Yale, 49, M.A., Columbia, 55; Ph.D.(polit. sci), Michigan, 57. Asst. prof. polit. sci, Allegheny Col, 56-58; Rutgers, 58-63; RES. ASSOC. & LECTR. PUB. HEALTH ADMIN, MICHIGAN, 63- Consult, State Dept. Health, N.J., 60-61; joint cmt. atomic energy, U.S. Cong, 61-64. U.S.A., 51-52. Polit. Sci. Asn; Soc. Pub. Admin; Pub. Health Asn. Public Administration. Publ: Organizing for public health recommendations for New Jersey; collab, Atomic energy and Congress. Address: University of Michigan, 122 S. First St, Ann Arbor, Mich. 48108.
- NORTHROP, PROF. BARBARA W(INIFRED), b. Waterbury, Conn, Mar. 31, 15. EDUCATIONAL PSYCHOLOGY. B.A., Elmira Col, 37; cert, New Haven Sch. Phys. Ther, 38; M.A., George Washington, 50. Phys. therapist, Ohio Valley Gen. Hosp, Wheeling, W.Va, 38-39; Johns Hopkins Hosp, Baltimore, Md, 39-41; St. Elizabeth's Hosp, D.C., 46-47; Psychiatrists' Off, 47-49; counsr, vet. ed. sect, George Washington, 50, asst. to dean, 50-54; asst. dir. campus div, 53-54; ASST. PROF. PSYCHOL. & DIR. EVE. & SUMMER SESSIONS, ELMIRA COL, 54- Test adminstr, Personnel Lab, Stamford, Conn, 61-; Vernon Psychol. Labs, Chicago, Ill, 65- Indust. Training Coun. N.Y. ten year serv. award, 67. Med.Dept, U.S.A., 41-46, Capt. Col. Personnel Asn; Voc. Guid. Asn; Acad. Polit. & Soc. Sci. Psychological aspects of physical disability; adult education, especially evening classes in small liberal arts colleges. Address: Evening & Summer Sessions, Elmira College, Elmira, N.Y., 14901.
- NORTHROP, PROF. HERBERT R, b. N.J., Mar. 6, 18; m. 46; c. 5. INDUSTRIAL ECONOMICS. A.B., Duke, 39; A.M., Harvard, 41, Ph.D., 42. Instr. econ, Cornell, 42-43; economist & hearings officer, Nat. War Labor Bd, 43-45; asst. prof. indust. rels, Columbia, 45-49; labor economist, Nat. Indust. Conf. Bd, 49-52; sr. indust. rels. consult, Ebasco Serv, Inc, 52-55; v.pres. indust. rels, Penn-Tex. Corp, 55-57; consult. employee rels, Gen. Elec. Co, 57-61; PROF. INDUST. WHARTON SCH. FINANCE & COMMERCE, PENNSYLVANIA, 61-, CHMN. DEPT, 64- Ford Found. res. grant, 66-69. Econ. Asn; Indust. Rels. Res. Asn. Publ: Auth, Compulsory arbitration and government intervention in labor disputes, Labor Policy Asn, 66; co-auth, Negro and employment opportunity, Bur. Indust. Rels, Univ. Michigan, 65 & Restrictive labor practices, in supermarket, industry, Univ. Pa, 67. Address: 517 Thornbury Rd, Haverford, Pa. 19041.
- NORTHWAY, DR. MARY L(UISE), b. Toronto, Ont, May 28, 09. PSYCHOLOGY. Ph.D.(psychol), Toronto, 38. From asst. prof. to ASSOC. PROF. PSYCHOL, TORONTO, 45-, INST. CHILD STUDY, 56-, supvr, 53-56. Can. Psychol. Asn. Child development; social relationships; learning. Publ: Primer of sociometry; Sociometric testing: a guide for teachers. Address: Institute of Child Study, University of Toronto, 45 Walmer Rd, Toronto, Ont, Can.
- NORTHWOOD, PROF. LAWRENCE K(ING), b. Detroit, Mich, Apr. 16, 17; m. 53. SOCIOLOGY. A.B., Wayne State, 47; fel, Michigan, 48-50, Ph.D. (sociol), 53. Study dir, Willow Run Proj, Michigan, 51-52, res. assoc. psychol, Wayne State, 53; asst. prof. sociol, Drake, 53-54; dir. agencies self-eval. proj, Grand Rapids Coun. Soc. Agencies, 55-56; asst. prof. SOCIOL, Rutgers, 56-59; assoc. prof, SCH. SOC. WORK, WASHINGTON (SEATTLE), 59-67, PROF, 67- Lectr, N.Y. Sch. Soc. Work, Columbia, 58-59; res. grants, Field Found. & Div. Fund, 62, Anti-defamation League, 63 & 65, Silberman Fund, 65 & Off. Econ. Opportunity, 67. Consult. Coun. Soc. Agencies, Newark, Irvington & W.Hudson, 56-57; Am. Found. Blind, Inc, 58-59; anti-soc. youth proj, Atlantic St. Center, 61; Puget Sound Govt. Conf, 62-64; Menninger Found, 63-67. Chmn, Northwest Cmt. Appl. Soc. Res, 61-62; U.S. report cmt, Int. Conf. Soc. Work, 66. U.S.A.A.F, 42-45, Sgt. Asn. Soc. Workers; Acad. Cert. Soc. Workers; fel. Sociol. Asn; Soc. Study Social Probs; Coun. Soc. Work Ed. Social research methods; social psychology; community organization. Publ: Co-auth, Urban desegregation: Negro pioneers and their white neighbors, Univ. Washington, 65; auth, Urban development—its implication for social welfare, Int. Conf. Soc. Work, 66; co-auth, Race and redevelopment: studies in social policy, planning and community organization, Prentice-Hall, (in press). Address: School of Social Work, University of Washington, Seattle, Wash. 98105.
- NORTON, DR. ALLEN C, Neurophysiol, see 11th ed, Phys. & Biol. Vols.
- NORTON, DR. BRUCE A(UGUSTUS), b. Boston, Mass, Aug. 9, 34; m. 62; c. 2. PSYCHOLOGY. A.B., Oberlin Col, 56; M.A., Ohio State, 58, Ph.D.(psychol), 60. Staff psychologist, Vet. Admin. Hosp, Brockton, Mass, 60-62, supvr. alcoholism unit, 62-65, asst. chief psychologist, Ft. Lyon, Colo, 65-66, chief psychologist, Salisbury, N.C., 66-67; CLIN. ASSOC. PROF. PSYCHOL, N.C. STATE, 68-; DIR. PSYCHOL. DEPT, DOROTHEA DIX HOSP, 68- Lectr, Northeastern, 61-65; Boston, 62-65. Consult, N.C. Dept. Ment. Health, 66- Psychol. Asn; Soc. Psychol. Study Social Issues. Perpetuating variables related to alcoholism and other behavior disorders; psycho-social dynamics of treatment settings. Publ: Co-auth, Productive independence as a function of supervisory reinforcement, Ohio State Res. Found, 59 & An experimental alcoholism unit in a psychiatric hospital, Quart. J. Studies Alcohol, 66. Address: Dept. of Psychology, North Carolina State University, Raleigh, N.C. 27607.
- NORTON, PROF. C(LARENCE) C(LIFFORD), b. Benton, Miss, July 2, 96. SOCIOLOGY, POLITICAL SCIENCE. B.S. Millsaps Col, 19; A.M., Emory, 20; Ph.D. North Carolina, 27; LL.D., Wofford Col, 52. Dean & prof, Lon Morris Col, 20-23; instr, North Carolina, 23-25; PROF. polit. sci. & sociol, WOFFORD COL, 25-42, SOCIOL, 42-, dir. summer sch, 42-53, dean, 42-49, admin, 49-53. Race relations; party politics; history of the Democratic party in North Carolina. Publ: Enriching family life. Address: Dept. of Sociology, Wofford College, Spartanburg, S.C. 29302.
- NORTON, DR. CLARK F(REDERIC), b. Ludington, Mich, Apr. 18, 12; m. 40; c. 2. POLITICAL SCIENCE. A.B., Michigan, 35, A.M., 36, univ. fel, 36-38, Rackham fel, 38-40, Ph.D., 40. Instr. polit. sci, Montana, 40-42; Michigan, 42-46, asst. prof. 46-48; assoc. prof, DePaul, 48-52, prof, 52-64, asst. dean univ. & dir. grad. studies, 61-64; LEGIS. ASST. TO SENATOR BIRCH BAYH, U.S. SENATE, 64- Fund for Repub. res. grant, 56. Polit. Sci. Asn;

Soc. Pub. Admin. American national and state government; American constitutional law; municipal government; national legislation. Publ: National political personalities, Am. Year Book; Judicial reform in Michigan, Mich. Law Rev; Indiana home rule fight fails, Nat. Munic. Rev. Address: 3614 Melfa Lane, Bowie, Md. 20715.

NORTON, PROF. CLYDE DeWITT, Psychol, see 10th ed, Soc. & Behav. Vols.

NORTON, DR. D(EE) W(ISWALL), b. Princeton, Ill, July 2, 22; m. 48; c. 4. PSYCHOLOGY. B.S. Ill. State Normal, 47; M.S. Iowa, 50, Ph.D.(ed), 52. Asst. ed, Iowa, 50-52; res. psychologist, res. programming, exp. design & statist. anal, Air Force Personnel & Training Res. Center, Lackland Air Force Base, Tex, 52-57; asst. prof. PSYCHOL. & ED. IOWA, 57-62, ASSOC. PROF, 62-. Vis. prof, Makerere Univ. Col, Uganda, 67-68. Sig.C. U.S.A., 42-46. Research methodology; experimental design; statistical analysis. Publ: Problems in experimental design, J. Ment. Deficiency; Applications of experimental design, Rev. Ed. Res. Address: Dept. of Psychology, University of Iowa, Iowa City, Iowa 52240.

NORTON, PROF. FRANCES JACOBSON, b. Dallas, Tex, June 19, 14; m. 46; c. 2. PSYCHOLOGY. A.B. Univ. Kansas City, 38, M.A. 40; Ph.D.(psychol), Iowa, 61. Placement dir, Walton Sch. Acct, Chicago, 42; personnel counsr, West. Elec. Corp, Hawthorne Plant, 42-44; supvr, 44-46; asst. PSYCHOL, Cornell, Col, 46-59; asst. prof, Wis. State, Stevens Point, 61-63, assoc. prof, 63-66; GUILFORD COL, 66-67, PROF, 67-. Nat. Sci. Found. summer fel, 59; Wis. State Univ. Bd. Regents res. grant, 65. Summer consult, ment. health workshop, Wis. State, 65-66, Head Start, 66. Psychol. Asn; Asn. Study Animal Behav; Soc. Psychol. Study Soc. Issues. Personality development; social interaction. Publ: Rate of learning and associative inhibition, Psychol. Reports, 64. Address: Guilford College, Greensboro, N.C. 27410.

NORTON, DR. FRANK E(DWARD), b. Detroit, Mich, Aug. 23, 18; m. 60. ECONOMICS. A.B. San Jose State Col, 42; fel, California, 45-46. Ph.D.(econ), 52. Acting instr. econ, Stanford, 47-48; lectr. BUS. ECON. GRAD. SCH. BUS. ADMIN. CALIFORNIA, LOS ANGELES, 48-52, asst. prof, 52-56, ASSOC. PROF, 56-. Staff economist, Coun. Econ. Adv. to President, 56-57. Consult. bur. labor statist, U.S. Dept. Labor, 60-61. Econ. Asn; Economet. Soc. Income and employment theory; business fluctuations and forecasting; stabilization policies; managerial economics. Publ: Co-auth, Bank deposits and legal reserve requirements; auth, Capital theory and progressive equilibrium, Am. Econ. Rev; Accelerator and the overinvestment and underconsumption models, Econ. J. Address: Graduate School of Business Administration, University of California, Los Angeles, Calif. 90024.

NORTON, PROF. HORACE W(AKEMAN), III, Math. Statist, see 11th ed, Phys. & Biol. Vols.

NORTON, PROF. HUGH S, b. Colo, Sept. 18, 21; m. 49. ECONOMICS. A.B. George Washington, 47, M.A. 48, Ph.D. 56. From lectr. to instr. econ, Maryland, 49-57, assoc. prof. transportation, 57-60; PROF, Tennessee, 60-66; ECON. SOUTH CAROLINA, 66-. Transportation economist, U.S. Dept. Agr. 54-57. Consult. res. prog, U.S. Air Force, 50-52; sr. econ. adv, Wilbur Smith Assocs, 66-. Sig.C. U.S.A., 42-45. Econ. Asn. Economic theory. Publ: Modern transportation economics, 63 & Economic policy: government and business, 66, C.E. Merrill; National transportation policy formation and implementation, McCutchan, 67. Address: 3335 Overcreek Rd, Columbia, S.C. 29206.

NORTON, DR. JAMES A(DOLPHUS), b. Haynesville, La, May 28, 22; m. 45; c. 1. PUBLIC ADMINISTRATION. B.A., La. State, 45, M.A. 46; M.A., Harvard, 49, Ph.D.(govt), 50. Instr. govt, Texas, 46-47; asst. prof. pub. admin, Fla. State, 49-52, assoc. prof, 52-56, prof, 56; exec. dir, Cleveland Metro Serv. Cmn, 56-59; vis. prof, Western Reserve, 59-60; prof. area develop, Case, 60-62; CONSULT, 62-. Lectr. sch. pub. health, Harvard, 54-55. Pres, Greater Cleveland Assoc. Found, 62-.; dir, Cleveland Found, 68-.; chmn. res. adv. cmt. metrop. goals, Cmt. Econ. Develop, 67-68. U.S.A.A.F., 42-43. Polit. Sci. Asn; Soc. Pub. Admin.(pres-elect, 67-68, pres, 68-69). Local and metropolitan government. Ed. & contrib, Metro Studies. Address: 3012 Woodbury Rd, Shaker Heights, Ohio 44120.

NORTON, PROF. JAMES A(UGUSTUS), JR, b. Philadelphia, Pa, Jan. 3, 21; m. 58; c. 1. STATISTICS. A.B. Antioch Col, 47; M.S. Purdue, 49, Ph.D. 59. Res. assoc. statist. div. ed. reference, Purdue, 47-50, statist. lab, 51-61, instr, 51-59, asst. prof, 59-61; asst. prof. STATIST. DEPT, PSYCHIAT. SCH. MED. INDIANA, 61-66, ASSOC. PROF, 67-. RES. CONSULT. INST. PSYCHIAT. RES, 61-. Civilian Pub. Serv, 43-46. Inst. Math. Statist; Statist. Asn; Psychomet. Soc; Biomet. Soc. Tests of hypotheses in the case of unequal variances. Publ: Influence of weighting choices on tests of main effects and interactions, Biometrics. Address: 4911 N. Kenwood Ave, Indianapolis, Ind. 46208.

NORTON, JOHN DE WITT, b. Winnetka, Ill, Dec. 1, 11; m. ECONOMICS. S.B. Harvard, 34; M.A. Yale, 47. Prog. analyst, hq, U.S. Dept. Air Force, 48-50, econ. consult, 53-55; staff economist, div. statist. standards, U.S. Bur. Budget, 50-52; Twentieth Century Fund, 52-53; dir. study econ. prog, NAT. PLANNING ASN, 55-59, sr. economist, prog. anal. for resource mgmt. proj, 59-65, asst. dir. PARM Proj, 61-63, dep. dir, 63-64, dep. dir. econ. prog. center, 64-65, DIR. CIVIL DEFENSE PROJ, 65-. Mem. exec. reserve, U.S. Dept. Labor, 61; consult, Off. Emergency Planning, 66-67. U.S.A.F., 44-46, Res, 46-60, Lt. Col. Inst. Mgt. Sci. Economic programming; statistical systems. Publ: Reported and estimated capacity, United States mining and manufacturing industries, 1957, 1962, Nat. Planning Asn, 63; An introduction to the post attack recovery planning system, Off. Emergency Planning, 64. Address: National Planning Association, 1666 Connecticut Ave. N.W. Washington, D.C. 20009.

NORTON, PROF. JOSEPH L(OUIS), b. Albany, N.Y. Sept. 6, 18; m. 47; c. 1. PSYCHOLOGY. B.A. St. Lawrence, 40, M.A. 41; Ph.D.(psychol), Syracuse, 50. Asst. to dean placement, St. Lawrence, 40-41; teacher, pub. sch, 46; asst. psychol, Syracuse, 46-49; asst. prof. & counsr, Mich. State, 49-51; assoc. prof. psychol. & dir. counseling & placement bur, Knox Col, 51-53;

assoc. prof. ed. psychol, grad. sch, Alfred, 53-62, PROF, 62-63; ED. STATE UNIV. N.Y. ALBANY, 63-. Summers, vis. prof, Utica Col, 52, Syracuse, 53; Wyoming, 58. C.Eng, 41-45, Capt. Psychol. Asn; Personnel & Guid. Asn. Personnel psychology; development of vocational interests. Address: 220 School of Education, State University of New York at Albany, 1400 Washington Ave, Albany, N.Y. 12203.

NORTON, DR. MAX C, Speech Path, Commun, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

NORTON, DR. THEODORE M(ADSEN), b. Alameda, Calif, Aug. 24, 22. POLITICAL SCIENCE. A.B. Stanford, 47, LL.B. 49; A.M. Chicago, 55, Ph.D. (polit. sci), 60. Attorney, Assembly Interim Judiciary Cmt, Calif. Legis, 49-51; private practice, 51-53; asst. prof. POLIT. SCI, SAN JOSE STATE COL, 60-65, ASSOC. PROF, 65-. U.S.A., 44-46. Judicature Soc, Medieval Acad. Am. Constitutional law and history; political philosophy; national, state and local government; planning. Address: Dept. of Political Science, San Jose State College, San Jose, Calif. 95114.

NORTON, PROF. THOMAS L(OWELL), b. Saco, Maine, June 19, 00; m. 27; c. 2. ECONOMICS. B.S. Dartmouth Col, 23, M.C.S. 24; fel, Columbia, 28, Ph.D. 32. Asst. prof, Buffalo, 28-35, assoc. prof, 35-39, Twentieth Century Club prof. econ, 39-45; prof. bus. & admin. & dean Bernard M. Baruch Sch. Bus. & Pub. Admin, City Col. New York, 45-55; dean, SCH. COMMERCE, ACCT. & FINANCE, N.Y. UNIV, 55-62, PROF. MGT, 55-, EMER. DEAN, 62-. Cmnr. mediation, State Bd. Mediation, N.Y., 39-46; arbitrator, 33-; spec. mediation rep, War Labor Bd, 42, regional v.chmn, 43-44, chmn, 44-45. Consult, U.S. Adv. Cmt. Labor Bd, 42, regional v.chmn, 43-44, chmn, 44-45. Consult, U.S. Adv. Cmt. Ed, 38; spec. indust. consult, bur. labor statist, U.S. Dept. Labor, 40. Econ. Asn; Arbit. Asn; Acad. Arbit. Trade union policies in the Massachusetts shoe industry; old age and social security act; public education and economic trends; education for work. Address: School of Commerce, Accounts & Finance, New York University, New York, N.Y. 10003.

NORTON, DR. W(ALTER) ANTHONY, b. Liverpool, Eng, Feb. 13, 23; m. 56; c. 2. PSYCHOLOGY. B.A. London, 50, Ph.D.(psychol), 53. Sr. Psychologist, Her Majesty's Prison, Brixton, London, 51-57; psychologist, Deer Lodge Hosp, Winnipeg, Man, 57-65; instr. psychol, faculty med, British Columbia, 65-67; DIR. PSYCHOL, ONT. DEPT. REFORM INSTs, 67-. Psychologist, Man. Penitentiary, 59-65; lectr, faculty med, Manitoba, 60-65, dept. psychol, univ, 63-64; Winnipeg, 62-63. Brit. Army, 42-47. Can Psychol. Asn; Brit. Psychol. Soc. Mind-body problem; personality; psychopathology; rating scales; psychometrics. Publ: Mind, body and language, 67, A review of psychiatric rating scales, 67 & The marihuana habit; a small group of users, 4/68, Can. Psychiat. Asn. J. Address: Dept. of Reform Institutions, 434 University Ave, Toronto 2, Ont, Can.

NORTON, PROF. WILLIAM B(UNNELL), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

NORWOOD, PROF. W(ILLIAM) FREDERICK, Hist. of Med, see 11th ed, Phys. & Biol. Vols.

NOSAL, DR. ALOYSIUS F, b. Debica, Poland, Jan. 14, 10; U.S. citizen. SOCIOLOGY. Master, Cracow, 36; lic. polit. sci, Louvain, 39; master, Lille, 44, Ph.D.(soc. sci), 65; Govt. Luxembourg scholar, Int. Univ. Comp. Sci, Luxembourg, 59-61, superior dipl. comp. econ, 62. Instr. soc. probs, Labor Unions Training Col, Paris, France, 50-60; lectr, Int. Migrations Cong, Ottawa, 60; instr. SOCIOL, Villa Madonna Col, 62-63, asst. prof, 63-66; ASSOC. PROF. COL. STEUBENVILLE, 66-. French Army, Capt. Sociol. Asn; Acad. Polit. & Soc. Sci. Labor unions in the Cincinnati, Ohio, area. Publ: Polish emigration in the world, Migration News, 61; Labor unions and assimilation of immigrants, Int. Cath. Migration Cmn, Geneva, Switz, 61. Address: Dept. of Sociology, College of Steubenville, Steubenville, Ohio 43954.

NOSANCHUK, DR. TERRANCE A, b. Detroit, Mich, Mar. 14, 35; m. 62; c. 1. SOCIOLOGY. B.A. Wayne State, 58; M.A. Chicago, 62, Ph.D.(sociol), 64. ASST. PROF. SOCIOL, BRITISH COLUMBIA, 63-. U.S.A., 53-56. Sociol. Asn. Multidimensional measurement; sociometric analysis; experimental and pretest effects. Address: Dept. of Sociology, University of British Columbia, Vancouver 8, B.C. Can.

NOSS, PROF. THEODORE K(ELCHNER), b. Sendai, Japan, Mar. 9, 03; U.S. citizen; m. 48; c. 2. SOCIOLOGY. A.B. Princeton, 25; B.D. Union Theol. Sem, 29; M.A. Chicago, 34, Ph.D.(sociol), 40. From instr. to asst. prof. sociol, Purdue, 35-42; specialist statist. & personnel, Gen. Hqs, Tokyo, 46-47; vis. assoc. prof. sociol, Texas, 48; asst. prof, Hunter Col, 48-49; assoc. prof, Adelphi Col, 49-52; dean men, Maritime Col, State Univ. N.Y. 52-53; ed. specialist, U.S. Dept. Air Force, 53-56; from adj. assoc. prof. to PROF. SOCIOL, LONG ISLAND, 55-, CHMN. DEPT. SOCIOL. & ANTHROP, 62-. dir. div. soc. sci, 59-66. Lectr, Queens Col, 59-60; mem. staff, Nat. War Col, 60; lectr, Naval War Col, 60-63. Consult, Esso Standard Oil, 51-52; Bur. Naval Personnel, 57-62. U.S.N.R. 42-46, Res, 57-, Comdr. AAAS; Sociol. Asn; Nat. Coun. Soc. Studies. Social change and organization; personnel. Publ: Resistance to social innovation; Teachers workshop; Organization for national security. Address: 138 Choir Lane, Westbury, N.Y. 11590.

NOSZLOPI, DR. MARGARET OTTILIA, b. Budapest, Hungary, Jan. 21, 03; m. 25; c. 2. PSYCHOLOGY. Ph.D.(psychol. & philos), Budapest, 43. Indust. & clin. psychologist, Hungary, 26-51; head, Inst. Indust. Psychol, 51-56; clin. psychologist, Children's Psychiat. Hosp, Michigan, 57-59; Atascadero State Hosp, Calif, 60-62; Sonoma State Hosp, 61-63; STAFF PSYCHOLOGIST, ATASCADERO STATE HOSP, 63-. Private practice, 65-. Psychol. Asn; Group Psychother. Asn. Personality development; child psychotherapy; sexual deviations; mental illnesses, especially as investigated by the Szondi technique. Address: 3650 Studio Dr, Cayucos, Calif. 93430.

NOTESTEIN, DR. FRANK WALLACE, b. Alma, Mich, Aug. 16, 02; m. 27. DEMOGRAPHY. B.S. Col. Wooster, 23, LL.D. 46; Ph.D.(soc. statist),

Cornell, 27; hon. D.Sc. Northwestern, 53, Princeton, 63, Michigan, 67; LL.D. Alma Col. 64. Instr. econ. Cornell, 26-27; Soc. Sci. Res. Coun. fel. 27-28; res. assoc. Milbank Mem. Fund, 28-29, tech. staff, 29-30; lect. sch. pub. affairs, PRINCETON, 36-41, prof. demog. 45-59, dir. off. pop. res. WOODROW WILSON SCH. PUB. & INT. AFFAIRS, 41-59, RES. ASSOC. 59-; EMER. PRES. POP. COUN. 68-, pres. 59-68. Vis. sr. res. demographer, Off. Pop. Res. 68- Consult. dir. pop. div. UN, 46-48. Coed. Pop. Index, 37-56. AAAS; Philos. Soc.; Sociol. Asn.; fel. Statist. Asn. (v. pres. 42-47); Pop. Asn. (pres. 47); fel. Am. Acad. Arts & Sci.; Int. Statist. Inst.; Int. Union Sci. Study Pop. Differential fertility; population projections. Publ: Future population of Europe and the Soviet Union; co-auth. Controlled fertility. Address: Population Council, 245 Park Ave, New York, N.Y. 10017.

NOTHMANN, DR. RUDOLF S, b. Hamburg, Germany, Feb. 4, 07; nat. ECONOMICS, LAW. Oxford, 27; Referendar, Hamburg, 29, Ph.D. 32; exchange scholar, Liverpool, 31-32. Instr. exten. div. California, Los Angeles, 47-48; asst. prof. econ. Whittier Col. 48-50, assoc. prof. 50-51; economist & indust. specialist, 51-59; CONTRACT NEGOTIATOR, SPACE & MISSILE SYSTS. ORGN, U.S. DEPT. AIR FORCE, 59- Economist & legal adv. Germany, Eng. Sweden & Calif. U.S.A. 43-45. Econ. Asn. International economics; industrial management; the law of government contracts with industry on space projects. Publ: The insurance certificate in international ocean marine insurance law and foreign trade, Gruyter, Germany, 32; The oldest corporation in the world: six hundred years of economic evolution, Pac. Coast Econ. Asn. 49. Address: P.O. Box 32, Pacific Palisades, Calif. 90272.

NOTTERMAN, PROF. J(OSEPH) M(ELVIN), b. New York, N.Y., Jan. 14, 23; m. 47; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S. Trenton State Col. 42; M.A. Columbia, 47, Ph.D. (psychol.), 50. Res. assoc. psychol. Columbia, 51-54, sr. res. psychologist, electronics res. labs, 54-56; asst. prof. PSYCHOL, PRINCETON, 56-59, assoc. prof. 59-65, PROF, 65-, chmn. dept. 66-68. Lectr. Columbia, 48-60; U.S. Pub. Health Serv. res. fel. 50-52; vis. lectr. Am. Psychol. Asn. prog. 61-62, vis. scientist, 66-67, 68-69. Consult. electronics labs, Columbia, 56-; Int. Tel. & Tel. Labs, 58-65; exp. psychol. study sect. Off. Surgeon Gen. 64- U.S.A. 42-46, 1st Lt. AAAS; fel. Psychol. Asn.; N.Y. Acad. Sci. Behavior theory; psycho-physics. Publ: Co-auth. Dynamics of response, Wiley, 65; auth. Adaptive behavior, Random, (in press); Force emission during bar pressing, J. Exp. Psychol. Address: Dept. of Psychology, Princeton University, Princeton, N.J. 08540.

NOTTERHAM, PROF. ELIZABETH K(RISTINE), b. York, Eng, May 9, 00; nat. SOCIOLOGY. B.A. Cambridge, 22, Kennedy fel. 22-23; Ph.D. (sociol.), Columbia, 38. From instr. to asst. prof. SOCIOL, Wheaton Col. 35-43; from asst. prof. to assoc. prof. Newcomb Col. Tulane, 42-46; from asst. prof. to PROF, QUEENS COL. (N.Y.), 46- Fulbright res. fel. Rangoon, 57-58. Sociol. Asn.; Soc. Sci. Study Relig. Sociology of religion. Publ: Methodism and the frontier; Religion and society. Address: 1 Ascan Ave, Forest Hills, N.Y. 11375.

NOURI, DR. CLEMENT J(ULIAN), Mgt, see 10th ed, Soc. & Behav. Vols.

NOURSE, DR. E(DWIN) G(RISWOLD), b. Lockport, N.Y., May 20, 83. ECONOMICS. A.B. Cornell, 06; Ph.D. Chicago, 15; LL.D. Ill. Inst. Tech. 50; hon. D.Sc. Iowa State, 58. Instr. finance, Wharton Sch, Pennsylvania, 09-10; prof. econ. & sociol. & head dept. South Dakota, 10-12; asst. polit. econ. Chicago, 14-15; prof. econ. & sociol. & head dept. Arkansas, 15-18; prof. agr. econ. & chief agr. econ. sect. exp. sta. Iowa State Col. 18-23; chief agr. div. inst. econ. Brookings Inst. 23-29, dir. 29-42, v. pres. 42-46; chmn. coun. econ. adv. Exec. Off. President, 46-49; CONSULT ECONOMIST, 50- Guggenheim fel. 50-53. U.S. del. biennial assembly, Int. Inst. Agr. Rome, 24 & 36; mem. cmt. nutrit. League of Nations, 35-37; chmn. Soc. Sci. Res. Coun. 42-45. Hart, Schaffner & Marx 3rd prize, 18; Rosenberger medal, Chicago, 59. Econ. Asn. (pres. 42); Agr. Econ. Asn. (pres. Farm Econ. Asn. 24); Philos. Soc.; Am. Acad. Arts & Sci. America's capacity to produce; price making in a democracy; economics in the public service. Address: 1775 Massachusetts Ave. N.W., Washington, D.C. 20036.

NOVA, PROF. FRITZ, b. Berlin, Germany, Feb. 19, 15; nat; m. POLITICAL SCIENCE. A.B. & A.M. Haverford Col. 40; Ph.D. Pennsylvania, 43. Instr. polit. sci. Conn. Col. 42-43; Haverford Col. 43-44; assoc. prof. POLIT. SCI, Pa. Mil. Col. 47-53; PROF, VILLANOVA, 53- U.S.A. 44-46, Sgt. Polit. Sci. Asn.; Acad. Polit. & Soc. Sci.; Hist. Asn. European comparative governments; nineteenth and twentieth century European history; political theory. Publ: European comparative government; Friedrich Engels; Rosa Luxemburg. Address: Dept. of Political Science, Villanova University, Villanova, Pa. 19085.

NOVAK, DR. GEORGE J, b. Sept. 28, 27. ECONOMICS, BUSINESS ADMINISTRATION. M.B.A. Frankfurt, 49; Ford Found. fel. 52-53; Ph.D. Columbia, 58. Screening officer, UN, 49-50; acct. cargo revenue, gen. acct. off. Pan Am. World Airways, N.Y. 51-52; economist, Nat. Bur. Econ. Res. Inc. 54-55, consult. Soviet transportation, 56-58; Soviet indust. econ. inst. res. soc. sci. North Carolina, 56-60; economist, nat. econ. projections, Nat. Planning Asn. 60-63; lectr. statist. Catholic Univ. 63-64; economist, Center Econ. Projections, Wash. D.C. 64-66; ECONOMIST & AREA STATISTICIAN, COMP. ECON. DATA, WORLD BANK, 67- Econ. consult. 58-60. Econ. Asn. Economic theory; statistics; econometrics; economic planning methodology; industry projections; international and transportation economics; national income accounting; international economic comparisons; Soviet studies; theoretical physics; mechanical engineering. Publ: Co-auth. Analysis of production processes in the Soviet heavy machine-building industry, Univ. North Carolina, 58; auth. Long-range planning of railroad freight traffic in the USSR, Univ. Michigan Microfilms, 58; American industry in 1976 and 1985: output, employment, and productivity, Nat. Planning Asn. 64. Address: 121 Fourth St. S.E., Washington, D.C. 20003.

NOVAK, PROF. RALPH S, b. Calmar, Iowa, May 7, 09. BUSINESS ADMINISTRATION. B.S. Iowa State Teachers Col. 34; M.S. Iowa, 38; Iowa State Col. 49-60. Teacher, high sch, Iowa, 34-40; mem. faculty, East. State Norm.

Sch. S.Dak. 40-43; Drake, 46; training facilities officer, Vet. Admin. 46-48; asst. prof. indust. econ. Iowa State Col. 48-53, assoc. prof. 53-60; PROF. MGT. & LABOR LAW, NORTHERN ILLINOIS, 61- COORDINATOR EXEC. SEMINARS, 67- Consult. Motorola, Inc. 61; Turner Corp. 68- Mem. panel arbitrators, Fed. Mediation & Conciliation Serv. Economics of the guaranteed annual wage; elementary accounting; principles of economics. Publ: We're wasting our management resources, Personnel, 5-6/66. Address: Wirtz Hall, Northern Illinois University, DeKalb, Ill. 60115.

NOVAK, PRES. ROBERT T(HOMAS), b. La Crosse, Wis. Aug. 21, 23; m. 46; c. 3. GEOGRAPHY. B.S. Wisconsin State Col. 49; M.A. Northwestern, 50; Ed.D. Columbia, 57. Instr. geog. Wis. State Col. 50-54; asst. admissions, Columbia, 54-55; instr. geog. Frostburg State Col. 55-58; PRES. Prince George's Community Col. 58-65; ORANGE COUNTY COMMUNITY COL. 65- Pres. Asn. Jr. Cols. Md. U.S.A. 43-46, Sgt. Population; teaching techniques; junior college organization. Publ: Contrib. to Geog. Rev. & J. Geog. Sch. Mgt; co-auth. College geography, Appleton, 58. Address: 110 S. Church St, Goshen, N.Y. 10924.

NOVAK, DR. STANLEY, b. Brooklyn, N.Y., June 9, 34; m. 58. PSYCHOLOGY. A.B. Hunter Col. 55; A.M. Columbia, 56, Ph.D. (psychol.), 62. Physiol. psychol. trainee, Vet. Admin. Hosp. West Haven, Conn. 57-58; Nat. Inst. Ment. Health res. fel. biomet. Dept. Ment. Hyg. N.Y. 59-61; resident vis. & consult. dept. vision & acoustics, Bell Tel. Lab. 61-62; asst. prof. PSYCHOL, Vassar Col. 62-65; HUNTER COL. 65-67, ASSOC. PROF, 68- City Univ. New York summer res. grant, 67; proj. dir. Nat. Sci. Found. undergrad. equipment grant, 67-69. Consult. Budd Electronics, Inc. 64. AAAS; Psychol. Asn.; Optical Soc. Am. Physiological optics; sensory processes; perception. Publ: Co-auth. Visual thresholds near a continuously visible or a briefly presented light-dark boundary, 10: 187-191; auth. The effect of electrocutaneous digital stimulation on the detection of single and double flashes of light, Psychol. Monogr. 79: 1-19; Invariance of detection thresholds across a light-dark boundary using Dichoptic presentation, J. Optical Soc. Am. 57: 1059-1060. Address: Dept. of Psychology, Hunter College, 695 Park Ave, New York, N.Y. 10021.

NOVICK, DAVID, b. Easton, Pa. Sept. 19, 06. ECONOMICS. Ph.B. Brown, 29; A.M. Lafayette Col. 30; N.Y. Univ. 30-34, N.Y. State Tax Cmn. res. fel. 33. Instr. N.Y. Univ. 30-34; economist, U.S. Tariff Cmn. 34-41; controller, War Prod. Bd. 41-44, dir. prog. & statist. bur. 45-46; demobilization bur. Civilian Prod. Admin. 46-47; prof. Puerto Rico, 47-49; CHIEF COST ANAL. RAND CORP. 49- Soc. Sci. Res. Coun. grant-in-aid, 47. Econ. Asn.; Statist. Asn. American industry; economics of war and of mobilization; wartime production controls, economic problems of war. Publ: Co-auth. Program budgeting, Harvard, 67. Address: Rand Corp, 1700 Main St, Santa Monica, Calif. 90406.

NOVICK, DR. JACK I(SRAEL), b. Minsk, Russia, Apr. 21, 27; nat; m. 51; c. 2. PSYCHOLOGY. B.B.A. City Col. New York, 50, fel. 50-54, M.S. 51; Ph.D. (psychol.), 61. Clin. psychologist, Madison Settlement House, N.Y. 51-53; chief psychologist, Cattaraugus County Ment. Health Clin. 54-57; Chester County Ment. Health Clin. 57-58; chief psychologist, PUTNAM CHESTER COUNTY MENT. HEALTH CLIN, CARMEL, 58-60, CONSULT. PSYCHOLOGIST, 60-; PSYCHOLOGIST & RES. DIR, GREENBURGH SCH. DIST. 8, HARTSDALE, 63- Vis. prof. State Univ. N.Y. Col. New Paltz, 62- Staff psychologist, Peekskill Ment. Hyg. Clin. 58-60; sch. psychologist, Bd. Coop. Ed. Servs, Bedford Hills, 60-63. U.S.N. 45-46. Psychol. Asn.; Orthopsychiat. Asn.; Group Psychother. Asn. Educational and developmental psychology; educational sociology; individualization, integration and non-graded education; brief individual and group psychotherapy and counseling; exceptional children; normal variations in behavior. Publ: Stress, first grade placement and the psychological development of young children, Psychol. Schs. 4/64; Comparison between short-term group and individual psychotherapy with children, Int. J. Group Psychother. 7/65; Identification and education of children from low socio-economic backgrounds, N.Y. State Proj. ABLE, 6/66. Address: 6 Bayden Rd, Ossining, N.Y. 10562.

NOVICK, DR. RUDOLPH G(REENWALD), b. Warsaw, Poland, Dec. 16, 10; nat; m. 37; c. 2. PSYCHIATRY. B.S. Northwestern, 31, M.D. 36. Jr. physician, Jacksonville State Hosp. Ill. 37-40; sr. physician, Manteno State Hosp. Ill. 40-41; Elgin State Hosp. Ill. 41-43; med. dir. Ill. Soc. Mental Health, 43-55; assoc. clin. prof. psychiat. col. med. Illinois, 47-56; MED. DIR, FOREST HOSP, 58- Acting dir. mental hygiene div, Chicago Bd. Health, 48-49. Tech. consult. Gov. Cmn. Ill, Midcentury White House Conf. Children & Youth; psychiat. consult. Chicago State Hosp. & Chicago Munic. Tuberc. Sanitarium, 54-59; community serv. cmt. Nat. Inst. Mental Health, 54-57; Ill. Soc. Mental Health, 55-58. Dipl. Am. Bd. Psychiat. & Neurol. 42. Fel. Psychiat. Asn.; Am. Med. Asn. Address: Forest Hospital, Des Plaines, Ill. 60016.

NOVIN, DR. DONALD, Brooklyn, N.Y., Apr. 13, 36; m. 64. PSYCHOLOGY. B.A. Minnesota, 56; M.S. Yale, 56, Nat. Sci. Found. fel. 58-60, Ph.D. (psychol.), 60. Nat. Sci. Found. res. fel. physiol. Royal Vet. Col. Sweden, 60-62; asst. prof. PSYCHOL, CALIFORNIA, LOS ANGELES, 62-67, ASSOC. PROF. 67- Nat. Insts. Health res. grant, 64-67. Res. consult. Sepulveda Vet. Admin. Hosp. 66- AAAS. Physiological psychology; physiology of sensory systems and motivation. Publ: The relation between electrical conductivity of brain tissue and thirst in the rat, J. Comp. & Physiol. Psychol. 55: 145-154; co-auth. Functional organization in the main sensory trigeminal nucleus and in the rostral subdivision of the nucleus of the spinal trigeminal tract in the cat, Acta Physiol. Scandinavica, 59: 1-44; Unit and D-C potential recording in the hypothalamus, N.Y. Acad. Sci. 2/68. Address: Dept. of Psychology, University of California, Los Angeles, Calif. 90024.

NOVIS, DR. FREDERICK W(EINGER), b. Montreal, Que. Feb. 6, 10; nat; m. 37; c. 3. PSYCHOLOGY. B.S. Boston, 32; M.A. Wesleyan, 33; Ph.D. (guid), Connecticut, 51. Chief consult. non-med. serv. & chief disability determination unit, bur. voc. rehab. CONN. STATE DEPT. ED. 40-46, CHIEF BUR. DISABILITY DETERMINATION, DIV. VOC. REHAB. 65- Lectr. Trinity Col. Hartford Col. Women & Hartford; Springfield Col. 56- Consult. Nat. Cmt. Soc. Security & Rehab. Relationships; secy, Gov. Cmt. Employ. Handi-

capped, Conn. 55-57, treas. 57-; pres. Nat. Asn. Disability Exam, 65-66. Nat. Rehab. Asn; Personnel & Guid. Asn; Psychol. Asn. Job readiness of disabled; attitudes of physically handicapped; rehabilitation potential screenometer. Publ: Clinical rehabilitation, Surv. Mid-monthly; Role of psychology in a rehabilitation potential, Personnel & Guid. J. Address: 34 Seneca Rd, West Hartford, Conn. 06117.

NOVOTNY, DR. ELIZABETH SMYTHE, b. Asbury Park, N.J., Oct. 6, 25; m. 59. PSYCHOLOGY. A.B. Cornell, 46; M.A. Houston, 51, Ph.D.(psychol), 56. Psychometrician & instr. psychol. Houston, 50-53, asst. & instr. 54-56; psychol. intern, Community Child Guid. Clin, Washington (St. Louis), 53-54; staff psychologist, Topeka State Hosp, 56-60, chief psychologist, Kans. Treatment Center for Children, 60, res. assoc. Nat. Inst. Ment. Health Res. Proj, 61-65; RES. PSYCHOLOGIST, DIV. LAW & PSYCHIAT, MENNINGER FOUND, 65- Lectr, Washburn, 58-61. Consult, med. sch, Texas, 55. Psychol. Asn. Time perception; projective personality tests; chronic schizophrenia; clinical child psychology; juvenile delinquency. Publ: The time sense: a normative, genetic study of the development of time perception, Perceptual & Motor Skills. Address: 4301 W. Sixth St, Topeka, Kans. 66606.

NOVOTNY, PROF. JAN, Finance, see 10th ed, Soc. & Behav. Vols.

NOWACEK, CHARLES C(GEORGE), Econ, Statist, see 10th ed, Soc. & Behav. Vols.

NOWELL, REYNOLDS I. b. Salt Lake City, Utah, Jan. 14, 05; m. 28; c. 3. ECONOMICS. B.S. Utah State Agr. Col, 28; M.S. Illinois, 30; Minnesota, 32-33. Economist, Fed. Farm Bd, D.C. 30-32; agr. economist, U.S. Dept. Agr, Minn, 32-34; regional dir, Resettlement Admin, Wis, 34-37; mem. farm mortgage dept, EQUITABLE LIFE ASSURANCE SOC. U.S. 37-40, mgr, 40-44, second v-pres, 44-51, v-pres, 51-57, V.PRES. & ECONOMIST, CHAIRMAN'S STAFF, 57- Mem. Citizens Budget Cmn. New York; coun. trends & perspective, U.S. Chamber Commerce; invest. res. cmt, joint econ. policy cmt. & joint submt. monetary & fiscal policy, Life Ins. Asn. Am. Finance Asn. Address: Equitable Life Assurance Society of the U.S., 1285 Ave. of the Americas, New York, N.Y. 10019.

NOWLAN, DR. D(AVID) M(ICHAE)EL, b. Toronto, Ont, Dec. 25, 38; m. 60; c. 1. ECONOMICS. B.Sc. Queen's (Ont), 58; B.A. Oxford, 60; M.A. Toronto, 63, Ph.D.(econ), 65. Mineral economist, Govt. Can, 60-62; asst. prof. econ, Toronto, 65-68; ASSOC. PROF, 68- Can. Coun. res. fel, summer 66. Econ. adv, Tanzanian Govt, 66-67. Can. Econ. Asn; Am. Econ. Asn; Economet. Soc. Economic theory. Publ: The demand for energy in the Atlantic provinces: 1950-1980, Queen's Printer, 62; A Robinsonian growth model, Can. J. Econ. & Polit. Sci, 11/66. Address: Dept. of Political Economy, University of Toronto, Toronto 5, Ont, Can.

NOWLAN, EDWARD H(OWARD), S.J., b. Boston, Mass, Oct. 1, 11. PSYCHOLOGY. A.B. Boston Col, 32, M.A., 35, Ph.D. Weston Col, 38, S.T.L., 42, S.T.D., 45; Ph.D. Harvard, 48. Instr. biol. Col. Holy Cross, 37-38; asst. prof. philos, Weston Col, 44-45, assoc. prof. psychol. & ed, Boston Col, 48-58, lectr, sch. nursing, 49-53, regent, sch. soc. work, 49-55; PROF, GREGORIAN UNIV, 58-, DIR. UNIV. LIBRARY FOUND, 63-, v-pres. UNIV. DEVELOP, 66- Lectr, Emmanuel Col, 49-50. AAAS; Psychol. Asn. Experimental, educational and social psychology. Address: Piazza dela Pilotta 4, Rome, 00187, Italy.

NOWLIN, PROF. WILLIAM F(ELBERT), Polit. Sci, see 10th ed, Soc. & Behav. Vols.

NOWLIS, DR. HELEN HOWARD, b. Cranston, R.I., Sept. 22, 13; m. 38; c. 3. PSYCHOLOGY. A.B. Brown, 34, A.M. 36, hon. Sc.D. 67; Ph.D.(psychol), Yale, 39. Asst. psychol. clin. child develop, Yale, 35-36, inst. human rels, 36-39; instr. psychol, Smith Col, 39-40; Connecticut, 42-43; Conn. Col. for Women, 43-44; res. assoc, Iowa, 46-51; vis. res. prof. PSYCHOL, ROCHESTER, 51-60, PROF, 60-, DIR. DRUG ED. PROJ, NAT. ASN. STUDENT PERSONNEL ADMINSTR, 66- Assoc. dean students & for. student adv, Univ. Rochester, 61-65, dean, 65-67, res. consult. student affairs, 67- Consult, drug abuse study group, Nat. Inst. Ment. Health, 67-; cmt. col. student, Group Adv. Psychiat, 67- Psychol. Asn; Col. Personnel Asn; Asn. Student Personnel Adminstr. Parent-child relationships; personality development; use of drugs in analysis of behavior. Publ: Co-auth, Child psychology, Annual Rev. Psychol; Description and analysis of mood, Ann. N.Y. Acad. Sci; auth, Drugs on the college campus, Nat. Asn. Student Personnel Adminstr. Drug Ed. Proj, 12/67. Address: Dept. of Psychology, Morey Hall, University of Rochester, Rochester, N.Y. 14627.

NOWLIS, PROF. VINCENT, b. Wilkes-Barre, Pa, Sept. 13, 13; m. 35, 38; c. 3. PSYCHOLOGY. B.A. Bowdoin Col, 35; Ph.D.(psychol), Yale, 39. Asst. psychobiol, sch. med, Yale, 36-39; instr. univ. & labs. primate biol, 39-42; instr. psychol, Connecticut, 42-43, asst. prof, 43-44; asst. prof. psychol. & res. assoc. zool, Indiana, 44-46; asst. prof. soc. develop, Iowa child welfare res. sta, Univ. Iowa, 46-48, assoc. prof, 48-51; PROF. PSYCHOL, ROCHESTER, 51- Consult, Vet. Admin, 55-; Nat. Inst. Ment. Health, 64-, mem. small grants cmt, 64-68. Fel. AAAS; fel. Psychol. Asn. Social psychology; psychological analysis of socialization, medication effects, mood, higher education, and gender role. Publ: The relation of degree of hunger to competitive interaction in chimpanzees, J. Comp. Psychol, 42; co-auth, Some child-rearing antecedents of aggression and dependency in young children, Genetic Psychol. Monogr, 53 & Research with the mood adjective check list, In: Affect, personality and cognition, Springer Pub, 65. Address: Dept. of Psychology, University of Rochester, Rochester, N.Y. 14627.

NOYES, GUY E(MERSON), b. Columbia, Mo, Dec. 27, 13; m. 43; c. 2. ECONOMICS. A.B. Missouri, 34; Yale, 36-38; Eisenhower exchange fel, 55. Instr. econ, Yale, 38-41; dir. div. res. & statist, off. for. liquidation cmmr, U.S. Dept. State, 46-48; asst. dir, bd. gov. Fed. Reserve Syst, 48-51, 52-56, adv, 56-59, dir. bd. gov, 60-65, dir. div. selective credit regulation, 50-52, mem. White House staff, 54; SR. V.PRES. & ECONOMIST, MORGAN GUARANTY TRUST CO, 65- U.S.A., 42-45, Lt. Col. Econ. Asn; Statist. Asn; Asn. Bus. Econ. Money and banking; international finance. Address: Morgan Guaranty Trust Co, 23 Wall St, New York, N.Y. 10015.

NUCKOLS, DR. FRANK J(OSEPH), Psychiat, see 11th ed, Phys. & Biol. Vols.

NUCKOLS, DR. ROBERT C(ARLYLE), b. St. Louis, Mo, Nov. 22, 24; m. 48; c. 3. PSYCHOLOGY. B.S. Purdue, 47; M.A. Denver, 48; Ph.D. Pa. State, 51. RES. PROG. DIR, LIFE INS. AGENCY MGT. ASN, 51- Psychol. Asn; Asn. Pub. Opinion Res. Social psychology, particularly attitude organization and change; morale, job satisfaction and consumer psychology. Address: Life Insurance Agency Management Association, 170 Sigourney St, Hartford, Conn. 06105.

NUDD, DEAN HOWARD CLARK, b. Columbus, Ohio, Aug. 18, 21; m. 47; c. 2. MANAGEMENT. B.S. Ohio State, 47, M.B.A., 49, Ph.D.(mgmt), 55. Instr. bus. orgn, Ohio State, 53-54; prof. mgmt. & chmn. dept, Houston, 54-67, coordinator Ecuadorian proj, 64-67; DEAN SCH. BUS, WESTERN ILLINOIS, 67- Consult, Civil Defense, Tex, 56-57; Univ. Guayaquil, 63-64; Robertson Tank Lines, Inc, Tex, 64. Conf. leader mgmt. develop. to various companies, 55-67. Air Nat. Guard, 42-67, Lt. Col. Acad. Mgt. Personnel; labor; underdeveloped countries in regard to improvement of Latin American universities and industry. Publ: Co-auth, Houston survival project, Univ. Houston, 57 & Mantrap, a noncomputer business game, Small Bus. Admin, 63. Address: 286 Jana Rd, Macomb, Ill. 61455.

NUESSE, PROF. C(ELESTINE) JOSEPH, b. Sevastopol, Wis, Nov. 25, 13. SOCIOLOGY. B.Ed. Wis. State Col, 34; A.M. Northwestern, 37; Harvard, 39; Knights of Columbus fel, Catholic Univ, 40-43, Ph.D., 44; LL.D. Merrimack Col, 60. Instr. SOCIOL, Col. St. Catherine, 43; Marquette, 43-45; CATHOLIC UNIV, 45-48, asst. prof, 48-52, assoc. prof, 52-64, PROF, 64-, ACTING EXEC. V.PRES, 67-, dean sch. soc. sci, 52-61, head.dept. sociol, 65-67. Staff ed. soc. sci, New Cath. Encyclop, McGraw-Hill Book Co, 67. Mem, U.S. Nat. Cmn. UNESCO, 50-56, 63-, mem. gov. bd, UNESCO Inst. for Youth, 55-59; bd. of for. scholar, U.S. Dept. State, 54-58, chmn, 56-58; mem. adv. panel manpower & sociol, Proj. Talent, Am. Inst. Res, 58-62; mem, Cmmr. Coun. Human Rel, D.C., 58-64. Sociol. Asn; Int. Conf. Sociol. Relig; Int. Inst. Sociol. Group and community relations; social thought of American Catholics, 1834-1829; sociology of the parish, an introductory symposium. Address: Dept. of Sociology, Catholic University of America, Washington, D.C. 20017.

NUGENT, PROF. FRANK ANTHONY, b. Lyndhurst, N.J., Jan. 5, 21; m. 55; c. 4. COUNSELING PSYCHOLOGY. B.S. Paterson State Col, 42; M.A. Columbia, 47; Ph.D. California, 59. Assoc. head psychometrist, Stevens Inst. Tech, N.J., 46-47; counsr, counseling center, California, 47-50; supv. counsr, Stanford, 50-53; indust. testing & placement officer, Kimballs, Calif, 53-54; teacher, San Lorenzo Sch. Dist, 54-56; teacher & counsr, high sch, 56-58; asst. prof. guid, Los Angeles State Col, 58-61; assoc. prof. psychol, dir. student counseling center & coordinator sch. psychol. serv. training, WEST. WASH. STATE COL, 61-65, PROF. PSYCHOL. & DIR. COUNSELING CENTER, 65- Res. consult, Calif. Real Estate Cmn, 59-61. Med.C., 42-46, Sgt. Psychol. Asn; Personnel & Guid. Asn. Training of counselors; interest theory; vocational development and personality theory. Publ: Test manual, supplement to guidance in today's schools, Wiley, 60; Supervision and school psychology, Sch. Psychologist Newsletter, 66; Present practices & policies in college counseling centers in the U.S.A., J. Counseling Psychol, 11/67. Address: Dept. of Psychology, Western Washington State College, Bellingham, Wash. 98225.

NUGENT, DR. WALTER T.K., U.S. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

NUNEZ, DR. RICHARD I, b. New York, N.Y., Jan. 15, 29; m. 60; c. 1. PUBLIC ADMINISTRATION, LAW. B.A. Brooklyn Col, 52; J.D. St. John's (N.Y.), 57; M.P.A. Syracuse, 60, Ph.D.(pub. admin), 66. Attorney, State Dept. Ed, N.Y., 57-60; law exam, civil serv. exam, State Dept. Civil Serv, 61-62; res. analyst pub. finance, State Budget Div, 62-67; ASST. PROF. PUB. ADMIN, STATE UNIV. N.Y. ALBANY, 67- Soc. Pub. Admin; Polit. Sci. Asn; Bar Asn; Acad. Polit. Sci. Budgeting; comparative administration. Address: Graduate School of Public Affairs, State University of New York at Albany, 179 Partridge St, Albany, N.Y. 12203.

NUNEZ, DR. THERON A, b. Pittsburgh, Pa, Mar. 16, 30. ANTHROPOLOGY. B.A. Fla. State, 56, M.A., 57; Ph.D.(anthrop), California, Berkeley, 63. Instr. soc. sci, Fla. State, 57-58; Nat. Sci. Found. grant, 61-63; ASST. PROF. ANTHROP, FLORIDA, 63- Nat. Sci. Found. grant & prin. investr, 64. U.S.A.F., 50-54. Fel. Anthropol. Asn. History and theory of anthropology; peoples and cultures of Mexico & Central America; social organization; culture change. Address: Dept. of Anthropology, University of Florida, Gainesville, Fla. 32603.

NUNIS, DR. DOYCE BLACKMAN, JR., U.S. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

NUNLEY, DR. ROBERT E, b. Red Jacket, W.Va, Mar. 10, 31; m. 52; c. 3. GEOGRAPHY. B.S. Marshall Col, 52, M.A., 53; Nat. Acad. Sci-Nat. Res. Coun. for. field grant, 56-57; Ph.D. Michigan, 58. Asst. prof. GEOG, Wayne State, 57-62; ASSOC. PROF, KANSAS, 62- Mil. Intel, 53-55, Res. 55-, Capt. AAAS; Asn. Am. Geog; Pop. Asn; Regional Sci. Asn. Factors affecting distributions of human populations and the objective methodology, instrumentation and data manipulation necessary to describe and analyze such factors. Publ: Distribution of population in Costa Rica; Population densities using a new approach: a preliminary report, Revista Geografica Pan Am. Inst. Geog. & Hist, 67. Address: Dept. of Geography, University of Kansas, Lawrence, Kans. 66044.

NUNN, DR. GRADY HARRISON, b. Arlington, Tex, Apr. 12, 18; m. 51; c. 1. POLITICAL SCIENCE. B.A. Oklahoma, 39, M.A., 41; univ. fel, N.Y. Univ, 40, Penfield fel, 41, Ph.D.(govt), 61. Instr. govt, N.Y. Univ, 46-49; polit. sci, Alabama, 49-62, asst. prof, 62-64, assoc. prof, 64-65; asst. prof. INT. AFFAIRS, Univ. Pittsburgh at Ahmadu Bello Univ, Nigeria, 64-65, assoc. prof, 65-67, ASSOC. RES. PROF, PITTSBURGH, 68- Ford Found. for. area training fel, 56-57; vis. asst. prof, Indiana, 60-61; Nat. Defense For. Lang. summer fel, 63. U.S.A., 42-46, Capt. Polit. Sci. Asn; fel. African Studies Asn; Soc. Int. Law. Nigerian government and politics; African international

- relations. Publ: Federalism in Nigeria, In: Federalism in the Commonwealth, Cassell & Co, 63; Nigerian foreign relations, In: Politics and administration of Nigerian government, Praeger, 65. Address: Graduate School of Public & International Affairs, University of Pittsburgh, Pittsburgh, Pa. 15213.
- NUNN, PROF. WILLIAM HIESTAND, b. Paris, Tex, Jan. 15, 22; m. 43; c. 4. POLITICAL SCIENCE. B.S. North Texas State, 46, M.S. 48; Colo. State Col. 49-53; Wyoming, 62-64; Hamline, 66-67. Teacher, high sch, Tex, 47; instr. soc. studies, North Texas State, 47-52; Colo. State Col. 52-53; curriculum dir, pub. schs, Kans, 53-54; ASSOC. PROF. SOC. SCI, ST. CLOUD STATE COL, 54- U.S.A. 42-46, Sgt. Acad. Polit. & Soc. Sci. Integrated social science; area studies of Asia; new methods of teaching the social studies. Address: Dept. of Social Sciences, St. Cloud State College, St. Cloud, Minn. 56301.
- NUNNALLY, DR. ELLARD, b. Birmingham, Ala, Nov. 26, 38; m. 66; c. 1. MATHEMATICS. A.B. Miami (Fla), 60; Ph.D.(math), La. State, 64. ASST. PROF. MATH. La. State, 64-65; Massachusetts, 65-67; MIAMI (FLA), 67. Math. Soc. Point-set topology. Publ: Dilations on invertible spaces, Trans. Am. Math. Soc, 66; There is no universal-projecting homeomorphism of the Cantor set, Col. Math, 67; A factorization of stable homeomorphism of en, Proc. Am. Math. Soc, 68. Address: 36 Majorca, Coral Gables, Fla. 33134.
- NUNNALLY, PROF. J(UM) C(LARENCE), b. Birmingham, Ala, Feb. 1, 24; m. c. 2. PSYCHOLOGY. B.A. Birmingham-South. Col, 49; U.S. Pub. Health Serv. fel, Chicago, 52, Ph.D.(psychol), 52. Asst. Chicago, 50-52; asst. res. psychol, Michael Reese Hosp, Chicago, Ill, 51-52; res. psychologist, Am. Inst. Res, 53-54; res. asst. prof, inst. commun. res, Illinois, 54-59; assoc. prof. PSYCHOL, VANDERBILT, 59-60, PROF. & HEAD DEPT, 61- U.S.A.A.F, 43-46. Human learning and psychometric theory. Publ: Test and measurements, 59; Educational measurement, 64 & Psychometric theory, 67, McGraw. Address: Dept. of Psychology, Vanderbilt University, Nashville, Tenn. 37203.
- NUNNALLY, DR. NELSON RUDOLPH, b. Monroe, Ga, Dec. 24, 35; m. 58; c. 4. GEOGRAPHY. B.S. Georgia, 58, M.A., 61; Ph.D.(geog), Illinois, 65. Instr. GEOG, East Tenn. State, 60-62, assoc. prof, 65-67; Florida Atlantic, 67-68; ASST. PROF. ILLINOIS, URBANA, 68- Asn. Am. Geog; Soc. Photogram. Air photo and remote sensing interpretation; land use; physical geography. Publ: Identification and definition of overbank and channel deposits and their respective roles in flood plain formation, Prfnl. Geogr, 67; Integrated landscape analysis from radar, Remote Sensing Environ: Interdisciplinary J, 68. Address: Dept. of Geography, University of Illinois, Urbana, Ill. 61801.
- NUNOKAWA, DR. WALTER, b. Honolulu, Hawaii, July 1, 27; m. 54; c. 3. PSYCHOLOGY. B.S. Washington State, 50, M.S. 52; Ph.D.(psychol), Oregon, 60. Res. asst. PSYCHOL, Nat. Inst. Ment. Health res. proj, Vet. Admin, 58-60; ASSOC. PROF, PORTLAND STATE COL, 60- Vis. lectr, Hawaii, 66-67. Consult, Vet. Admin. Hosp, Portland, 68-; Off. Econ. Opportunity, Hawaii & Ore, 68-; Dept. Ment. Health, Ore, 68- U.S.A. 45-46, T/Sgt. Psychol. Asn. Human judgment research; use of non-professionals for improving distribution of education and mental health skills and knowledge; nature of psychological frontiersman. Publ: Ed, Human values and abnormal behavior, Scott, 65. Address: Dept. of Psychology, Portland State College, Portland, Ore. 97207.
- NUQUIST, PROF. ANDREW E(DGERTON), b. Osceola, Nebr, Dec. 3, 05; m. 33; c. 2. POLITICAL SCIENCE. A.B. Doane Col, 27; A.M. Wisconsin, 36, Ph.D., 40. Instr. POLIT. SCI, VERMONT, 38-40, asst. prof, 40-42, assoc. prof, 42-51, PROF, 51-, chmn. dept, 52-66. Smith-Mundt vis. prof, American Univ. Beirut, 58-59. Acting exec. dir, Vt. League Cities & Towns, 67-68. Polit. Sci. Asn; Soc. Pub. Admin. International relations; public administration; local government and administration. Publ: Co-auth, Goals for political science; auth, Town government in Vermont, 64 & co-auth, Vermont state government and administration, 66, Govt. Res. Center, Univ. Vermont. Address: Dept. of Political Science, 208 Old Mill, University of Vermont, Burlington, Vt. 05401.
- NURGE, DR. ETHEL, b. New York, N.Y., Aug. 21, 20. ANTHROPOLOGY, SOCIOLOGY. B.A. New Mexico, 50; M.A. Chicago, 51; Ph.D., Cornell, 55. Asst. prof. anthrop, Goucher Col, 56-58; res. anthropologist, Rip Van Winkle Clin, Hudson, N.Y. 58-59; asst. prof. anthrop. & sociol, S.Dak. State Col, 60-62; managing ed, Current Anthropol, 62-65; res. assoc, Frobenius Inst, Germany, 65-66; ASSOC. PROF. SOCIOL. & ANTHROP, McMASTER, 66- Fulbright res. grant, Silliman, Philippines, 55-56; Wenner Gren Found. Anthropol. Res. funds to hold conf. explore theoret. framework for study of mod. Dakota & res. grant culture & personality in German village, 65. W.A.V.E.S., 42-45. Fel. Anthropol. Asn; Ethnol. Soc; Can. Sociol. & Anthropol. Asn. Community studies, especially child training practices and women's roles; primitive medicine; diet; food practices; beliefs about food. Publ: Life in a Leyte village, Univ. Washington, 65; Cultural factors operative in mate selection in a Philippine village, Eugenics Quart; Etiology of illness in Guinhangdan, Am. Anthropologist. Address: Dept. of Sociology & Anthropology, McMaster University, Hamilton, Ont, Can.
- NURI, DR. WALID A(BDUL-HAMID), b. Diwaniyah, Iraq, May 8, 33; m. 62; c. 2. STATISTICS. B.Sc. Baghdad, 54; Iraqi Govt. scholar. & M.Sc., Purdue, 60; North Carolina, Chapel Hill, 60-61, 62-63; Ph.D.(exp. statist), N.C. State, 65. Teacher, Ministry Ed, Baghdad High Sch, Iraq, 54-58; statistician, children's rehab. center, Univ. Virginia, 61-62; instr. STATIST. Col. Econ. & Polit. Sci, Baghdad, 65-66; ASST. PROF, SOUTHWESTERN LOUISIANA, 66- Inst. Math. Statist. Time series analysis; statistical inference. Address: Dept. of Mathematics, University of Southwestern Louisiana, Lafayette, La. 70501.
- NURNBERGER, DR. J(OHN) I(GNATTUS), Cytol, Chem, see 11th ed, Phys. & Biol. Vols.
- NURSE, DR. ALEXANDER R(ODNEY), b. Omaha, Nebr, Mar. 14, 28; m. 55. PSYCHOLOGY. B.A. Southern Methodist, 49, univ. scholar, 49-50, M.A., 50; Hogg Found. fel, 54-56; Ph.D.(counseling psychol), Texas, 56. Instr. personal psychol, exten. dept, California, 57-68, lectr. group guid. & occup. soc. theory, dept. ed, 58-61; from clin. psychologist & asst. dir. to sr. clin. psychologist & chief, res. & training, CENTER ON ALCOHOLISM, 59-64, CHIEF OF SERV, 64- Co-prin. investr. & proj. dir, Nat. Inst. Ment. Health grant, 62-63. Consult, psychiat. follow-up study, Calif. State Dept. Rehab, 65-68, alcoholism therapist training prog, 66-67; Youth Opportunity Centers, Oakland, 67-68. Med.Serv.C, 51-53, 1st Lt. Psychol. Asn; Group Psychother. Asn. Alcoholism; mental health administration; group and individual psychotherapy; research in psychotherapy; psychological principles as applied to individuals, groups and community. Address: Apt. 408, 817 N. Humboldt, San Mateo, Calif. 94401.
- NUSBAUM, DR. JESSE L(OGAN), Anthropol, Archaeol, see 10th ed, Soc. & Behav. Vols.
- NUSSBAUM, DR. HARVEY, b. New York, N.Y., Apr. 3, 35; m. 58; c. 2. INDUSTRIAL PSYCHOLOGY. B.A. Brooklyn Col, 56; fel, Wayne State, 60-61, Ph.D.(indust. psychol), 63; Inst. Labor & Indust. Rels. fel, Wayne State-Univ. Michigan, 61-62. Asst. inst. labor & indust. rels, Wayne State-Univ. Michigan, 59-60; res. assoc. psychol, WAYNE STATE, 61-62, instr, 62-63, asst. prof, 63-66, ASSOC. PROF. ADMIN. SCI, 66- ACTING DIR. BUR. BUS. RES, 64-, res. assoc. admin. sci, sch. bus, 63. Lectr, Oakland, 64-65; mem. part-time faculty, center adult ed, Wayne State, 64-, faculty res. award; off. grad. studies & res, 66. Res. consult, various indust. & local govt. agencies, 59- U.S.A.R, 59-62. Psychol. Asn; Acad. Mgt. Inst. Mgt. Sci. Organizational behavior; employee motivation; market research methodology; advertising and consumer research; urban affairs research; behavioral science applied to business; behavior in scientific organizations. Publ: Systems and non-systems engineers: an exploratory study of discriminating characteristics, Bur. Bus. Res, Wayne State, 64; co-auth, Preparing Negroes for careers in management, Negro Ed. Rev, 7/67. Address: School of Business Administration, Wayne State University, Detroit, Mich. 48202.
- NUTINI, DR. HUGO G(INO), b. Peumo, Chile, June 26, 28; m. 54; c. 1. ANTHROPOLOGY. B.S. Chilean Naval Acad, 47; B.A. Naval Acad, Los Angeles, 55, M.A., 58, Pan Am. Union fel, 58-60, Soc. Sci. Res. Coun. Can. fcls, 60-62; Ph.D.(anthropol), 62. Instr. ANTHROP, Los Angeles State Col, 62; sr. researcher, Pan Am. Union, Wash, D.C. 62-63; ASST. PROF, Puerto Rico, 62-63; George Washington, 63; PITTSBURGH, 63- Summers, Wenner-Gren Found. grants, Mex, 63-64, Am. Philos. Soc. grants, Mex. & Europe, 63-65 & Nat. Sci. Found. dir. field sta, Univ. Pittsburgh, Stanford & Nevada, Mex, 64-66. Anthropol. Asn. Social anthropology, particularly theory kinship and social structure, culture change and ethnohistory; Mesoamerica and South America, especially Mexico, Peru and Chile. Address: Dept. of Anthropology, University of Pittsburgh, Pittsburgh, Pa. 15213.
- NUTTALL, DR. EDMUND CHARLES, b. San Diego, Calif, July 1, 28; m. 50; c. 2. SPEECH PATHOLOGY, PSYCHOLINGUISTICS. A.B. San Diego State Col, 50, M.A., Southern California, 52, Ph.D.(speech), 60. Asst. prof. SPEECH, California Western, 52-53; San Diego State Col, 53-58; vis. asst. prof, Indiana, 58-59; asst. prof, Cornell, 59-65; ASSOC. PROF, OKLAHOMA, 65- Speech & Hearing Asn. Speech behavior; oral stereognosis; stuttering. Publ: Co-auth, Student workbook for psychology for life, McGraw, 55; auth, Students, scholars and graduate research, Asha, 3/61; co-auth, Stutters' estimates of normal apprehensiveness toward speaking, Speech Monogr, 11/65. Address: Dept. of Speech, University of Oklahoma, Norman, Okla. 73069.
- NUTTER, PROF. G(LBERT) WARREN, b. Topeka, Kans, Mar. 10, 23; m. 47; c. 4. ECONOMICS. A.B. Chicago, 44, A.M., 48, Soc. Sci. Res. Coun. res. fel, 48-49, Ph.D., 49. Instr. econ, Lawrence Col, 46-47; asst. Chicago, 47-48; asst. prof. ECON, Yale, 49-56; assoc. prof, VIRGINIA, 57-58, prof, 58-67, PAUL G. MCINTIRE PROF, 67-, CHMN. DEPT, 62-66, 67- Div. chief Cent. Intel Agency, 52-53; mem. res. staff, Nat. Bur. Econ. Res, 55- A.U.S., 43-46, Res, 48-54, 1st Lt; Bronze Star Medal. Econ. Asn. Industrial organization; economic theory; Soviet economic growth. Publ: Extent of enterprise monopoly in the United States, 51; Growth of industrial production in the Soviet Union, 62; The plateau demand curve and utility theory, J. Polit. Econ. Address: Dept. of Economics, University of Virginia, Rouss Hall, Charlottesville, Va. 22903.
- NUTTERVILLE, DR. CATHERINE, b. Panama, Iowa, May 8, 87. EDUCATIONAL PSYCHOLOGY. B.A. Montana State, 30, M.A., 34; Ed.D. Columbia, 41. Teacher, pub. schs, Mont, 12-30, sch. psychologist, 30-43; teacher sociol. & psychol, Loretto Heights Col, 46-47; clin. psychologist, Great Falls Ment. Hlg. Clin, Mont, 47-54; assoc. prof. ed. psychol, Col. Great Falls, 54-64; vol, VISTA, Off. Econ. Opportunity, 65-67; ED. SPECIALIST, NEIGHBORHOOD LEGAL SERV. PROJ, 67- Summers, teacher, Montana State, 31-46; vis. prof, North. Mont. Col, 62. Retardation, especially in trying to determine causes for reading disabilities; education of exceptional children in sparsely settled states. Publ: Making rights and responsibilities meaningful to the underprivileged, Neighborhood Legal Serv. Proj, 66; The gifted & Teach them to read, 62, Mont. Ed. J. Address: 236 Massachusetts Ave. N.E., Washington, D.C. 20002.
- NYBOTEN, PROF. ALFRED NORMAN, b. Wheeler, Wis, Apr. 6, 08; m. 38. ECONOMICS. B.Ed. Wis. State Teachers Col, 35; Ph.D.(agr. econ), Wisconsin, 41. Asst. agr. economist, exten. serv, Wyoming, 36; asst. agr. econ, Wisconsin, 37-38; apprentice, Wis. Tax Cmn, 38-39; from asst. prof. to assoc. economist & assoc. prof, Idaho, 39-48; prof. agr. econ. & agr. economet, West Virginia, 48-58; PROF. ECON, COL. BUS. ADMIN. & ASSOC. DIR, BUR. BUS. & ECON. RES, IDAHO, 58- Consult, Nat. Resources Planning Bd, 42-43. Agr. economist, Bur. Reclamation, 44; mem, UN mission, Thailand, 68- Agr. Econ. Asn. Factors influencing the land market; poultry and egg marketing; agricultural prices. Publ: Value of forest highways in Idaho; co-auth, Economy and conditions of the Fort Hall Indian reservation & auth, Idaho statistical abstract, 66, Univ. Idaho. Address: College of Business Administration, University of Idaho, Moscow, Idaho 83843.
- NYE, PROF. F(RANCIS) IVAN, b. Prospect, Ore, Apr. 27, 18; m. 47; c. 2. SOCIOLOGY. A.B. Willamette, 46; M.A., State Col. Wash, 47; Ph.D., Mich.

- State, 52. Asst. prof. rural sociol, Ohio State, 48-50; Missouri, 50-52; assoc. prof. sociol, Bucknell, 52-54; asst. prof. sociol. & dir. sociol. res. lab. State Col. Wash, 54-60; PROF. SOCIOL, Fla. State, 60-63. WASHINGTON STATE, 63- Ed. Marriage & Family Living, 59-64. U.S.A.A.F. 43-45. Family methods; social psychology. Publ: Family relationships and delinquent behavior, Wiley, 58; The employed mother in America, Rand McNally, 63; Emerging conceptual frameworks in family analysis, Macmillan, 66. Address: 701 Skyline Dr, Pullman, Wash. 99163.
- NYE, DR. JOSEPH SAMUEL, JR, b. South Orange, N.J., Jan. 19, 37; m. 61; c. 3. POLITICAL SCIENCE. A.B., Princeton, 58; Rhodes scholar & M.A., Oxford, 60; Ford Found. fel. & Ph.D. (polit. sci), Harvard, 64. Instr. POLIT. SCI, HARVARD, 64-66, ASST. PROF, 66- Polit. Sci. Asn; African Studies Asn; Int. Studies Asn. International regional integration and political development. Publ: Pan-Africanism and East African integration, Harvard, 65; Central American regional integration, Int. Conciliation, 3/67; Corruption and political development, Am. Polit. Sci. Rev, 6/67. Address: Dept. of Political Science, Harvard University, Cambridge, Mass. 02138.
- NYE, COL. ROGER HURLESS, U.S.A., Hist, Polit. Sci, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- NYGREEN, DEAN GLEN T (HEODORE), b. Bellingham, Wash, Aug. 11, 18; m. 40; c. 1. SOCIOLOGY. B.Sc., Washington (Seattle), 39, M.A., 53, Ph.D. (sociol), 54. Asst. dean men, Washington (Seattle), 40-43, counsr. men & instr. physics, 43-44, counsr. students, 46-48, exec. officer student affairs, 48-54; dean men, Kent State, 54-58, dean students, 58-63; DEAN STUDENTS & PROF. SOCIOL, LEHMAN COL, 63- Adj. prof. higher ed, Teachers Col, Columbia, 64- U.S.N., 44-46. Sociol. Asn. Marriage and the family; public opinion measurement; statistics and research design. Address: 97 Highland Rd, Scarsdale, N.Y. 10583.
- NYLUND, DR. F (ELIX) A (LEXANDER), Agr. Econ, see 10th ed, Soc. & Behav. Vols.
- NYOMARKAY, DR. JOSEPH L, b. Budapest, Hungary, Sept. 12, 28; m. 64. POLITICAL SCIENCE. B.A., Minnesota, 53, M.A., 54, Ph.D. (comp. polit), 63. Instr. POLIT. SCI, SOUTHERN CALIFORNIA, 60-63, asst. prof, 63-66, ASSOC. PROF, 66- Polit. Sci. Asn. Comparative politics; totalitarian movements. Publ: Charisma and factionalism in the Nazi Party, Univ. Minnesota, 67; Factionalism in the Nazi Party, Polit. Sci. Quart, 3/65. Address: School of Politics and International Relations, Von Kleinsmid Center 327, University of Southern California, Los Angeles, Calif. 90007.
- NYQUIST, DR. THOMAS E (EUGENE), b. Froid, Mont, June 20, 31; m. 56; c. 2. POLITICAL SCIENCE. B.A., Macalester Col, 56; M.A., Montana State, 58; Prog. African Studies scholar, Northwestern, 64, Ph.D. (polit. sci), 66. U.S. State Dept. coop. proj. grant, Sudan, Africa, 64; res. fel. African upper class, inst. soc. & econ. res, Rhodes, S. Africa, 66-67; ASST. PROF. AFRICAN STUDIES & POLIT. SCI, STATE UNIV. N.Y. COL. NEW PALTZ, 68- U.S.A., 52-54. Polit. Sci. Asn; African Studies Asn. Local and province councils in the Sudan; recruitment and decision-making; sociological analysis of the emergent African upper stratum in urban South Africa. Publ: The Sudan: civil war and democracy, Toward Freedom, 6/65; The Sudan: prelude to elections, Middle East J, summer 65. Address: Division of Area Studies & Geography, State University of New York College at New Paltz, New Paltz, N.Y. 12561.
- NYSTROM, PROF. CLARENCE L (EROY), b. Racine, Wis, Feb. 5, 98; m. 27; c. 2. PSYCHOLOGY. A.B., Greenville Col, 25; M.A., Iowa, 29, Ph.D. (psychol), 32. Prof. speech, Greenville Col, 25-30; asst. & clinician, speech clin, Iowa, 30-32; prof. psychol. & speech, Taylor, 32-34; pres, Spring Arbor Jr. Col, 34-35; prof. speech & psychol, WHEATON COL (ILL), 35-67, chmn. div. lang. & lit, 45-49, EMER. PROF. SPEECH & PSYCHOL, 67- U.S.A., 17-19. Speech correction; abnormal psychology. Address: 708 Irving Ave, Wheaton, Ill. 60187.
- NYSTROM, DR. J (JOHN) WARREN, b. Worcester, Mass, Nov. 22, 13; m. 38; c. 3. GEOGRAPHY. A.B., Clark, 36, M.A., 37, Ph.D., 42. Instr. geog. R.I. State Col, 37-39, asst. prof, 40-43; Pittsburgh, 43-45, assoc. prof, 45-47, prof. & head dept, 47-53; mgr. int. rels, Chamber Commerce of U.S., 53-62; partner, Allen, Murden & Nystrom, 62-64; sr. staff mem, Brookings Inst, 64-66; EXEC. SECY, ASN. AM. GEOGRAPHERS, 66- Consult, Agency Int. Develop, Turkey, 66; Nat. Acad. Sci. summer study earth resource appln. from spacecraft, 67. Chmn. nat. cmt, Int. Geog. Union, 58-65; chmn. cmt. on geog. applns. of remote sensing, Nat. Acad. Sci-Nat. Res. Coun, 67- Fel. AAAS; Asn. Am. Geog; Am. Geog. Soc. Nat. Coun. Geog. Ed. Political and economic geography, especially in Latin America and Western Europe. Publ: Within the Americas: Community of Europe: vision and reality; co-auth. Alliance for progress, Van Nostrand, 66. Address: Association of American Geographers, 1146 16th St. N.W., Washington, D.C. 20036.
- NYSTROM, DR. PAUL E (DWIN), b. San Jose, Calif, Apr. 26, 01; m. 33; c. 3. AGRICULTURAL ECONOMICS. B.S., California, 28; M.S., Maryland, 31; M.P.A., Harvard, 48, D.P.A., 51. Farm mgt. specialist, MARYLAND, 31-33, asst. county agent leader, 33-37, county agent leader, 37-41, dep. dir. EXTEN, 42-48, assoc. dir, 48-50, asst. to pres, 50-51, dir. instr. & head dept. agr. econ. & mkt, 51-55, dir, 55-63, EMER. DIR, 63- Agr. Econ. Asn; Econ. Asn; Mkt. Asn. Agricultural extension, agricultural instruction. Publ: Co-auth, Property taxation of poultry and young livestock in Maryland, Recent trends in tax liabilities in Maryland & State revenue distributions to local units in Maryland with special reference to tax burdens of farmers. Address: 4400 Holly Hill Rd, College Heights, Hyattsville, Md. 20782.
- NYSTROM, PROF. PAUL HENRY, b. Maiden Rock, Wis, Jan. 25, 78; m. c. 3. ECONOMICS. Ph.B., Wisconsin, 09, A.M., 10, Ph.D. (econ), 14; LL.D., Ohio State, 50. Asst. prof. polit. econ, Wisconsin, 09-14; assoc. prof. econ, Minnesota, 14-15; dir. mkt. res, U.S. Rubber Co, 15-17; sales mgr, Int. Mag. Co, 18-21; dir. Retail Res. Asn. & Assoc. Merchandising Corp, 21-27; prof. & head dept. MKT, SCH. BUS, COLUMBIA, 26-52, EMER. PROF, 52- Chmn. retail code authority, Nat. Recovery Admin; Fed. Adv. Bd. Voc. Ed. Knight,
- Order North Star, Sweden. Econ. Asn; Soc. Adv. Mgt; Mkt. Asn. (pres, 33, ed, Am. Mkt. J, 35-36, Converse & Parlin award); Sociol. Asn; Statist. Asn. (v.pres, 33). Retail functions of marketing. Address: Box 88, Spring Valley, N.Y. 10977.
- NYSTUEN, DR. JOHN D (AVID), b. Northfield, Minn, Jan. 7, 31; m. 55; c. 2. GEOGRAPHY. A.B., California, 53; M.A., Washington (Seattle), 57, fel. & Ph.D. (geog), 59. Instr. GEOG, MICHIGAN, 59-61, asst. prof, 61-64, assoc. prof, 64-68, PROF, 68- Vis. assoc. prof, Minnesota, 65; California, Berkeley, 66-67. Cmt. adv, U.S. Geol. Surv, 67- Mem. geog. subcmt, Nat. Acad. Sci-Nat. Res. Coun; cmt. seminar series quant. geog, Nat. Sci. Found, 65- U.S.A.R, 53-55, 1st Lt. Asn. Am. Geog; Regional Sci. Asn; Am. Geog. Soc. Economic, urban and transportation geography; location theory; quantitative analysis of spatial and movement phenomena; mathematical and theoretical geography. Publ: Identification of some fundamental spatial concepts, In: Papers, Mich. Acad. Sci, Arts & Letters, 63; Boundary shapes and boundary problems, In: Papers, Int. Peace Res. Soc, 68. Address: Dept. of Geography, 4040 Administration Bldg, University of Michigan, Ann Arbor, Mich. 48104.
- NYSWANDER, PROF. DOROTHY B (IRD), b. Reno, Nev, Sept. 29, 94; m. 43; c. 1. PSYCHOLOGY. B.A. & M.A., Nevada, 15; fel, California, 24-25, Ph.D. (ed. psychol), 26. Assoc. prof. ed. psychol, Utah, 26-29, prof, 29-36; dir. sch. health study, Cmt. Neighborhood Health Develop, N.Y., 36-40; health ed. demonstration, New York Health Dept, 40-42; field supvr, Fed. Works Agency, 42-43; consult. health ed, Inter-Am. Ed. Found, 43-46; prof. PUB. HEALTH ED, SCH. PUB. HEALTH, CALIFORNIA, BERKELEY, 46-58, EMER. PROF, 58- Res. fel, Stanford, 26-27; dir. women's & prinl. projs, Emergency Relief Prog, 33-34; field supvr, Nat. Youth Works Progress Admins, 35-36; mem, UN/WHO Mission to Pakistan to eval. family planning prog, 68. Consult, High Cmnrs. Oxf, Germany, 52; For. Ops. Admin, Latin Am, 54; World Health Orgn. fel, 54; family planning prog, Ford Found, India, 61-64. Fel. Pub. Health Asn; Asn. Health, Phys. Ed. & Recreation (v.pres, 38, 44-46). Factors influencing learning in health; administrative factors affecting health programs. Address: 28 Beverly Rd, Berkeley, Calif. 94707.
- OAK, PROF. VISHNU V (ITTHAL), b. Bombay, India, Nov. 30, 00. SOCIAL SCIENCE. B.A., Bombay, 20; A.M., California, 23, B.S.J., Oregon, 24; M.B.A., Iowa, 32; summers, Chicago, 32, 33; Ph.D., Clark, 37. Instr. commerce, Howard, 26; prof. econ, Wiley Col, 26-27; Wilberforce, 27-30, prof. bus. dir. pub. rels. & ed, Negro Col. Quart, 39-48; econ. & sociol, Lincoln, 30-32; prof. soc. sci. & dir, Langston, 32-33; prof. soc. sci. & dean men, Cheyney Training Sch, Pa, 33-35; prof. bus, N.C. Col. for Negroes, 37-39; prof. bus, asst. to pres. & dean admin, Alcorn Agr. & Mech. Col, 48-49; prof. soc. sci, Stowe Teachers Col, 49-54; Harris Teachers Col, 54-66; PROF. ECON. & CHMN. DIV. SOC. SCI, RUST COL, 67- Vis. prof. Samuel Huston Col, 35-46. Econ. Asn. Negro business, college education and newspapers. Publ: England's educational policy in India, B.G. Paul & Son, India, 25; The Negro newspaper, 48 & The Negro's adventure in general business, 49, Antioch. Address: Dept. of Economics, Rust College, Holly Springs, Miss. 38635.
- OAKES, DR. EUGENE E (RNEST), b. Milwaukee, Wis, Nov. 29, 09; m. 45. INTERNATIONAL FINANCE. B.S., Northwestern, 31; A.M., Harvard, 33, Ph.D., 34. Instr. econ. & tutor div. hist, govt. & econ, Harvard, 34-38; asst. prof. econ, Yale, 38-42; economist, Joint Cmt. Internal Revenue Taxation, 46-51; Export-Import Bank, 52; chief tax div. anal. staff, U.S. Dept. Treas, 53-56; CHIEF EAST. LATIN AM. DIV, EXPORT-IMPORT BANK, 56- Instr, Radcliffe Col, 36-38. U.S.N.R., 43-45. Econ. Asn; Tax Inst. International finance; federal taxation; monetary and fiscal policy. Address: 4801 Connecticut Ave. N.W., Washington, D.C. 20008.
- OAKES, PROF. RALPH H (ATHAWAY), b. Big Rapids, Mich, Dec. 27, 98. MARKETING, ECONOMICS. Ph.B., Chicago, 25, M.B.A., 38, Ph.D. (mkt, econ), 57. Lectr. mkt, De Paul, 39-41, prof, 43-45; chief mkt. res. sect. Off. Price Admin, Ill, 42-43; from assoc. prof. to prof. mkt, Marquette, 46-50; prof, Loyola (Ill), 50-55; from lectr. to PROF. MKT, ROOSEVELT, 56- Dir. mkt. mgt. prog, Indust. Rels. Center Chicago, 57-58, fel. sch. bus, 37-38. Consult, 38- U.S.N.R., 18-19. Econ. Asn; Mkt. Asn. Price research; techniques for measuring increased productivity; techniques for measuring empathy. Publ: Resale price maintenance in Chicago, 1953-1955, J. Bus; Prices in chain and independent food stores, J. Mkt; Social perception of one other self, J. Social Psychol. Address: 1500 Chicago Ave, Evanston, Ill. 60201.
- OAKES, PROF. WILLIAM F (RANCIS), b. Edmond, Okla, May 11, 26; m. 56; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A., Wichita, 51, M.A., 52; Ford Found. fel, Minnesota, 55-56, Ph.D. (psychol), 56. Residence counsr, men's dormitories & asst. student counseling bur, Minnesota, 52-53, head counsr. & asst. dir, men's dormitories, 53-55, instr. psychol, 55-56, res. assoc, bur. instr. res, 56-57; asst. prof. psychol, Wichita, 57-60, assoc. prof, 60-61; Hawaii, 61-64, prof, 64-67, chmn. dept, 63-67; PROF. PSYCHOL. & DEAN INSTR. FRESHMAN PROG, CITY UNIV. NEW YORK, 67- U.S.N., 44-46. Psychol. Asn. Psychology of learning; reinforcement effects. Address: Dept. of Psychology, Graduate Center, City University of New York, 33 W. 42nd St, New York, N.Y. 10036.
- OAKLAND, DR. GAIL BARKER, Math. Statist, see 11th ed, Phys. & Biol. Vols.
- OAKLAND, DR. WILLIAM H, b. Chicopee, Mass, Feb. 21, 39; m. 60; c. 2. ECONOMICS. B.A., Massachusetts, 61; Ph.D. (econ), Mass. Inst. Tech, 65. ASST. PROF. ECON, HOPKINS, 64- Consult, U.S. Dept. Commerce, 66-67. Econ. Asn. Public finance; public expenditure analysis. Publ: Theory of the value-added tax, Nat. Tax J, 6-9/67. Address: Dept. of Political Economy, Johns Hopkins University, Baltimore, Md. 21218.
- OAKS, PROF. CLINTON L (EWIS), b. Provo, Utah, May 31, 23; m. 47; c. 6. MARKETING, BUSINESS ADMINISTRATION. A.B., Brigham Young, 48;

- M.B.A. Stanford, 50, Ph.D.(bus. admin), 55. Instr. econ, Utah, 50-52, asst. prof, 52-55; mkt, Washington (Seattle), 55-56; bus. statist, Stanford, 56-57; assoc. prof. mkt, BRIGHAM YOUNG, 57-60, PROF. BUS. MGT, 60- Acting asst. prof, grad. sch. bus, Stanford, 53-54, 55. Dir. admin. serv, Hughes Dynamics, 63-64. U.S.A. 43-48. Statist. Asn; Finance Asn; Acad. Mgt. Business policy; sales management; marketing research and strategy; business statistics and forecasting. Address: 325 E. 4750 North, Provo, Utah 84601.
- OANH, DR. JACK NGUYEN XUAN, b. Vietnam, July 14, 21; nat. ECONOMIC. B.A. Kyoto Nat. Col, 45; M.A. Kyoto Imperial Univ, 50; fel. & M.A. Harvard, 52, Ph.D.(econ), 54. Instr. econ, Harvard, 53-54; Wesleyan, 54-55; asst. prof, Trinity Col.(Conn), 55-58, assoc. prof, 58-60; economist, Int. Monetary Fund, D.C. 60-64; dep. prime minister econ. & finance, Repub. of Vietnam, 64-65, acting prime minister, 64 & 65; SECY-GEN, NAT. SALVATION FRONT, 68- Governor, Nat. Bank of Vietnam, 64-65. U.S.A. 45-48. Economic growth; econometrics; monetary theory and fiscal policy. Publ: Patterns of consumption and economic development; Keynes today, Harvard Bus. Rev; Economic global strategy, Trinity Col. Bull. Address: 145 Cong Ly St, Saigon, Vietnam.
- OATES, DR. WALLACE E, b. Los Angeles, Calif, Mar. 21, 37; m. 59; c. 3. ECONOMIC. M.A. Stanford, 59, Nat. Sci. Found. fel. & Ph.D.(econ), 65. ASST. PROF. ECON, PRINCETON, 65- Consult, Off. Econ. Opportunity, 66; N.Y. State Cmn. Constitutional Convention, 66-67. U.S.N. 59-62, Lt.(g). Econ. Asn. Economics of federalism; property taxation; financing of education; urban economic problems. Publ: Co-auth, The implications of international economic integration for monetary, fiscal and exchange-rate policy, Princeton Studies Int. Finance, 66; auth, Budget balance and equilibrium income: a comment on the efficacy of fiscal and monetary policy in an open economy, J. Finance, 9/66; The theory of public finance in a federal system, Can. J. Econ, 2/68. Address: Dept. of Economics, Princeton University, Princeton, N.J. 08540.
- OATMAN, LYNN C(ARROLL), b. Norfolk, Nebr, June 9, 37; m. 61. PSYCHOLOGY. A.B. Nebraska, 58, M.A. 61; Ph.D.(psychol), Delaware, 68. RES. PSYCHOLOGIST, U.S. ARMY HUMAN ENG. LABS, 61- AAAS; Psychol. Asn; Acoustical Soc. Am. Audition; vision; sensory evoked potentials. Publ: Co-auth, Central factor in auditory fatigue—an artifact?, 67 & auth, Tonal relevance in auditory fatigue, 68, J. Acoustical Soc. Am. Address: U.S. Army Human Engineering Labs, Aberdeen Proving Ground, Md. 21005.
- OBAL, DR. THADDEUS J, b. Belleville, Ill, Oct. 28, 21; m. 45; c. 5. ECONOMIC. B.S. Illinois, 48, Wright fel, 48-51, M.S. 49, Ph.D.(agr. econ, econ), 52. Assoc. economist, staff Joint Econ. Cmt, U.S. Cong, 51-53; sr. economist, econ. anal. dept, Ford Motor Co, 53-61, mgr, 61-65; MGR. ECON. DEPT, N.A.M. DIV, MOBIL OIL CORP, 65- Mem. cmt. econ. policy, U.S. Chamber Commerce, 60-65, coun. trends & perspective, 66- U.S.A., 43-47, Lt. Nat. Asn. Bus. Econ; Statist. Asn. Planning and economics; business outlook and forecasting. Publ: Integrating national agricultural policy with economic policy. Address: Mobil Oil Corp, 150 E. 42nd St, New York, N.Y. 10017.
- OBELSKY, DR. ALVAN J(EROME), b. Boston, Mass, Feb. 19, 26. ECONOMIC. B.S. Massachusetts, 48; M.A. Yale, 50; M.A. Michigan, 51, fel. 51-52, Ph.D. 61. Asst. prof. ECON, Northland Col, 53-56; Miami (Fla), 56-59; lectr, DEARBORN CAMPUS, MICHIGAN, 59-62, asst. prof, 62-64, ASSOC. PROF, 64- Fulbright via. lectr, faculty econ, Kobe, 62-63. Econ. consult, Bendix Res. Corp, Mich, 64-66. U.S.A. 44-46. Econ. Asn. Economic development; international trade and finance; comparative economic systems; economic development of Japan. Publ: Theory, objectives and evaluation, Asn. Am. Col. Bull; Effects of stereotyped attitudes on learning, J. Ed. Psychol; Japan's transition: a socio-economic interpretation, Kobe Univ. Econ. Rev, 63. Address: Dept. of Economics, University of Michigan, Dearborn Campus, Dearborn, Mich. 48128.
- OBENCHAIN, DR. I(RVING) R(OCK), Psychol, see 10th ed, Soc. & Behav. Vols.
- OBENCHAIN, PROF. LOUISE FEMINEAR, b. Bay Minette, Ala, Aug. 1, 94; m. 20; c. 1. SOCIOLOGY. A.B. Birmingham-South. Col, 24, A.M. 28, summers, Peabody Col, 38, 47. Assoc. prof. sociol. & dean women, SAMFORD, 34-49, assoc. prof. SOCIOL, 49-64, EMER. PROF, 64- Consult, 28- Parental education; race relations. Address: 2739 Cherokee Rd, Birmingham, Ala. 35216.
- OBERG, DR. STANLEY M(AGNUS), b. Vancouver, B.C, Oct. 25, 22; m. 53; c. 4. BUSINESS ADMINISTRATION. B.Commerce, British Columbia, 49; M.B.A. Washington (Seattle), 50, D.B.A. 61. Asst. prof. MKT, BRITISH COLUMBIA, 52-58, ASSOC. PROF, 58- R.C.A.M.C. 42-46. Mkt. Asn. Market research; marketing. Address: Dept. of Business Administration, University of British Columbia, Vancouver 8, B.C. Can.
- OBERG, PROF. WINSTON, b. Minneapolis, Minn, Oct. 5, 19; m. 57; c. 4. BUSINESS MANAGEMENT. B.B.A. Minnesota, 41; M.B.A. Ohio State, 47; Ph.D.(indust. econ), Mass. Inst. Tech, 55. Asst. Ohio State, 46-47; Mass. Inst. Tech, 47-50; res. analyst human rels, Prudential Life Ins. Co, 50-51; instr, Northeastern, 51-52; personnel asst, Esso Res. & Eng. Co, 52-57; assoc. prof. BUS. ADMIN, MICH. STATE, 57-65, PROF, 65- asst. dean col. bus. admin, 61-64. Vis. lectr, Leeds, 59; vis. prof, Rio Grande do Sul, Brazil, 59-61; vis. assoc. prof, Stanford, 64. Consult, Univ. Nigeria, 66. U.S.A.A.F. 43-46, 2nd Lt. AAAS; Acad. Mgt; Econ. Asn; Mgt. Asn; Psychol. Asn; Indust. Rels. Res. Asn; Soc. Appl. Anthropol; Soc. Psychol. Study Social Issues; Inst. Mgt. Sci. Human relations in industry and evaluation of human relations training; personnel administration; organization theory. Publ: Age and achievement and the technical man, Personnel Psychol; Cross-cultural perspectives on management principles, Acad. Mgt. J; Top management assesses university executive programs, Bus. Topics. Address: 1585 Hillside Dr, Okemos, Mich. 48864.
- OBERLY, PRES. H(ENRY) SHERMAN, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.
- OBERMANN, DR. C. ESCO, b. Yarmouth, Iowa, July 31, 04; m. 29. PSYCHOLOGY. B.A. Iowa, 27, M.A. 31, Ph.D.(psychol), 38. Asst. & Instr. psychol, Iowa, 37-39, fel. 39-40; assoc. prof, Texas, 46; chief voc. rehab. & ed, regional off, Vet. Admin, 46-60; dir, St. Paul Rehab. Center, 60-63; res. fel, voc. rehab. admin, U.S. Dept. Health, Ed. & Welfare, 63-65; ASSOC. PROF. psychol, Iowa Wesleyan Col, 65-66; REHAB, IOWA, 66- Mem. President's Cmt. Employ. Handicapped, 63-; cmt. for handicapped, People-to-People Prog, 64- Dipl. Am. Bd. Exam. Prfl. Psychol. U.S.A.A.F. 40-45, Col. Fel. AAAS; fel. Psychol. Asn; Speech & Hearing Asn; Rehab. Asn. (pres); Personnel & Guid. Asn; Nat. Rehab. Counseling Asn; Coun. Except. Children; Int. Soc. Rehab. of the Disabled. Rehabilitation; counseling. Publ: A history of vocational rehabilitation in America, Denison, 65; Coordination of services for handicapped children and youth, Coun. Except. Children, 63. Address: College of Education, University of Iowa, 311 Grand, Iowa City, Iowa 52240.
- OBERN, DR. ALFRED G(AYLORD), b. Battle Creek, Mich, Nov. 15, 21; m. 48; c. 4. POLITICAL SCIENCE. B.A. Principia Col, 47; M.A. American Univ, 49, fel. 51, Ph.D.(polit. sci), 55. Intel. officer, U.S. Dept. Defense, 52-53; instr. govt. & polit, Maryland, 55-56; asst. prof. bus. & pub. admin, George Washington, 56-59; vis. assoc. prof. from Univ. Southern California Sch. Pub. Admin, Univ. Rio Grande do Sul, Brazil, 59-63; ASSOC. PROF. PUB. & INT. AFFAIRS & DIR. DIV. SPEC. TRAINING, GRAD. SCH. PUB. & INT. AFFAIRS, PITTSBURGH, 63- Summers, Ford Found. faculty fel, seminar teaching of int. polit, Univ. Iowa, 56, consult, Nat. Insts. Health, 57, cmt. govt. ops, U.S. House Rep, 58, Transportation Corps, U.S. Dept. Army, 59, Coun. Higher Ed. in Am. Repubs, 65, Agency Int. Develop, Turkey, 66 & res. consult, Ford Found, Brazil, 67. U.S.N. 43-46. Polit. Sci. Asn; Soc. Pub. Admin. Publ: Personnel administration in the Caribbean and South Pacific commissions, Vol. XXV, No. 3 & Hearing and consultation procedure in public administration: the United States practice, Vol. XXVII, No. 4, Int. Rev. Admin. Sci; Methods of change in two Brazilian sub-cultures: a study in microcomparative government, In: Perspectives of Brazilian state and local government, Univ. Southern California, 65. Address: Graduate School of Public & International Affairs, University of Pittsburgh, Pittsburgh, Pa. 15213.
- OBERSCHALL, DR. ANTHONY R(ICHARD), b. Budapest, Hungary, Dec. 4, 36; U.S. citizen; m. 60; c. 1. SOCIOLOGY. B.A. Harvard, 58; Ph.D.(sociol), Columbia, 62. Asst. prof. SOCIOL, California, Los Angeles, 62-66; YALE, 66-68, ASSOC. PROF, 68- Political sociology; social movements; African studies. Publ: Empirical social research in Germany, Basic Books, 66. Address: Dept. of Sociology, Yale University, New Haven, Conn. 06520.
- OBREBSKI, DR. JOSEPH, Soc. Anthropol, see 10th ed, Soc. & Behav. Vols, deceased 67.
- O'BRIEN, DR. CYRIL C(ORNELIUS), b. Halifax, N.S, Mar. 22, 06; nat. m. 39; c. 3. PSYCHOLOGY. B.A. St. Mary's (Can), 26; M.A. Mt. Allison, 32; B.Paed, Toronto, 34; scholar, Iowa, 34; D.Paed.(ed), Montreal, 37; Ph.D. (psychol), Ottawa, 44. Head dept. psychol, Maritime Acad. Music, Halifax, N.S. 35-47; asst. prof. ed, Marquette, 47-54, assoc. prof, 54-59, prof, 59-63, lectr, labor col, 50-54; DIR. RES. Alcoholism Found. Alta, 63-65; ALCOHOLISM DIV. ALTA, 65- Prin. St. Mary's Boys Sch, Halifax, N.S. 38-47; lectr, St. Mary's (Can), 42-46; hon. fel, Wisconsin, 50; grant, Am. Asn. Adv. Sci, 50. Consult, Allis-Chalmers Mfg. Co, 48-63. Mem. Royal Can. Col. Organists, 35-, v-pres, 46-47. Can. Army, 42-46, Lt. Fel. AAAS; fel. Psychol. Asn; Acoustical Soc. Am; Royal Statist. Soc; fel. Royal Soc. Arts. Educational and industrial psychology; psycho-acoustics. Publ: Co-auth, Management of additions; auth, Research interests of college sophomore students, Sch. & Soc. & Growth of psychology and attendant problems, Trans. Wis. Acad. Address: P.O. Box 666, Edmonton, Alta, Can.
- O'BRIEN, DR. JOHN CONWAY, b. Hamilton, Scotland, June 20, 18; m. 67. ECONOMIC. B.Com, London, 52, cert. German, 54; fel, Notre Dame, 57-61, M.A. 59, Ph.D. 61. Asst. teacher, elem. schs. & high schs, Scotland, 52-56; asst. teacher, Windsor, Ont, 56-57; instr. ECON, British Columbia, 61-62; asst. prof, Saskatchewan, 62-63; Dayton, 63-64; assoc. prof, Waterloo Lutheran, 64-65; vis. prof, FRESNO STATE COL, 65-66, ASSOC. PROF, SCH. BUS, 66- Gen. Elec. summer res. grant, Stanford, 66. R.A.S.C. 39-46. Econ. Asn. Labor economics, especially comparative labor economics; American labor history. Publ: The American labor movement and Samuel Gompers, Thought, 5/66; Lord Byron, Friedrich von Schiller, and the mysterious Armenian, Handes Amsorya, Vienna, winter 66; A plea for logrolling, Ed. Forum, 11/66. Address: Dept. of Finance & Industry, Fresno State College, Fresno, Calif. 93726.
- O'BRIEN, DEAN J(OHN) W(ILFRID), b. Toronto, Ont, Aug. 4, 31; m. 56; c. 2. ECONOMIC. B.A. McGill, 53, M.A. 55, Ph.D. 62. Lectr. ECON, SIR GEORGE WILLIAMS, 54-57, asst. prof, 57-61, assoc. prof, 61-65, PROF, 65- DEAN FACULTY ARTS, 63-, asst. dean, 61-63. Am. Econ. Asn; Can. Econ. Asn. International finance; money and banking. Publ: Canadian money and banking, McGraw of Can, 64. Address: Sir George Williams University, 1435 Drummond St, Montreal 25, Que, Can.
- O'BRIEN, DR. JOSEPH D, b. Rockland, Mass, Dec. 5, 24; m. 49; c. 4. MARKETING. A.B. Holy Cross Col, 45; M.B.A. Pennsylvania, 47; Ph.D.(bus. admin), St. Louis, 58. From instr. to asst. prof. mkt, Boston Col, 48-53, assoc. prof, 56-59; instr, St. Louis, 53-56; asst. to pres, Stop & Shop, Inc, 59-62; assoc. prof. MKT, BOSTON COL, 62-68, PROF. & CHMN. DEPT, 68- Mkt. Asn. Address: Dept. of Marketing, Boston College, Chestnut Hill, Mass. 02167.
- O'BRIEN, PROF. R(ICHARD) D(ESMOND), Biochem, see 11th ed, Phys. & Biol. Vols.
- O'BRIEN, DR. ROBERT E(MMET), b. Philadelphia, Pa, Sept. 15, 04; div; c. 1. INTERNATIONAL RELATIONS. B.S. Maryland, 49; M.A. Georgetown, 51, Ph.D. 60. Assoc. prof. int. affairs, Pa. State, 61-67; RETIRED. U.S.A. 41-60, Lt. Col. Polit. Sci. Asn. Address: 204 E. Hamilton Ave, State College, Pa. 16801.
- O'BRIEN, PROF. ROBERT W(ILLIAM), b. Santa Ana, Calif, Apr. 13, 07. SOCIOLOGY. A.B. Pomona Col, 29; Virginia, 30; A.M. Oberlin Col, 31;

- Harvard, 32-33; Ph.D., Washington (Seattle), 45. Acting prof. sociol., Talladega Col., 31-32; prof. & exec. officer dept., LeMoyne Col., 33-38; asst. to dean, Washington (Seattle), 39-45, asst. prof. sociol., 45-49, assoc. prof., 49-52; prof. & exec. officer, Ohio Wesleyan, 52-54; PROF. SOCIOL. & CHMN. DEPT. SOCIOL. & ANTHROP., WHITTIER COL., 54- Dir. res., Neighborhood House, Ohio, 30-31, 52-55; nat. dir., Japanese-Am. Student Relocation Coun., Pa., 42-43; soc. analyst, U.S. Dept. Interior, 46-47; Ford fel., Intercollegiate Prog., Grad. Studies, 54-; chmn. ed. coun., 55-; dir., Whittier Inst. Human Rel., 55-; vis. prof., Hawaii, 58, 66, 68; exchange prof., Exeter, 60-61; vis. prof., Copenhagen, 64. Sociol. Assn. Race relations; community. Publ: College Nisei; Readings in general sociology; Field manual in sociology, Holt, 60. Address: Dept. of Sociology & Anthropology, Whittier College, Whittier, Calif. 90608.
- O'BRIEN, DR. WILLIAM V, b. Washington, D.C., July 9, 23. INTERNATIONAL LAW. B.S.F.S., Georgetown, 46, M.S.F.S., 48, Ph.D.(int. rels.), 53; Fulbright res. fel., Paris, 51-52. Instr. GOVT. GEORGETOWN, 50-53, asst. prof., 53-59, assoc. prof., 59-66, PROF. 66-; CHMN. INST. WORLD POLITY, 57-; asst. chmn., 55-56, acting chmn., 56-57, dir. Master Sci. For. Serv. Prog., 61-62. Assoc. dir., Georgetown Conf. Christian Polit. & Soc. Thought, 60-61; vis. res. prof., Max Planck Inst. For. Pub. Law, 63. U.S.A., 43-46, Res., 46-; Lt. Polit. Sci. Asn.; Int. Studies Asn.; Soc. Int. Law. International ethics; military policy of the United States; arms control. Publ: Nuclear war, deterrence and morality, Newman, 67; Ed. & contrib., World polity II, In: Yearbook of studies in international law and organization, Spectrum, 60; ed. & contrib., World polity III, In: The new nations in international law and diplomacy, Praeger, 65. Address: 1432 44th St. N.W., Washington, D.C. 20007.
- OBRIST, DR. PAUL A(RNOLD), b. Yonkers, N.Y., June 17, 31; m. 55; c. 3. EXPERIMENTAL & PSYCHOLOGICAL PSYCHOLOGY. B.S., Cornell, 53; Ph.D., Rochester, 58. U.S. Pub. Health Serv. fel. PSYCHOL., Fels. Res. Inst., Antioch Col., 58-60; asst. prof., NORTH CAROLINA, 60-65, ASSOC. PROF., 65- Prin. invest., U.S. Pub. Health Serv. res. grant, 63- Consult, psychobiol. sect., Nat. Sci. Found. AAAS; Psychol. Asn.; Soc. Psychophysiol. Res.; Psychosom. Soc. Autonomic psychophysiology. Publ: Co-auth., Heart rate during conditioning in humans: effects of UCS intensity, vagal blockade, and adrenergic block of vasomotor activity, 70: 32-42 & auth., Heart rate and somatic-motor coupling during classical aversive conditioning in humans, 68, J. Exp. Psychol.; co-auth., Heart rate during conditioning in dogs: relationship to somatic-motor activity, Psychophysiology, 4: 7-34. Address: Dept. of Psychiatry, University of North Carolina, Chapel Hill, N.C. 27514.
- OBRIST, PROF. WALTER D(ORN), Psychol., see 11th ed, Phys. & Biol. Vols.
- OBST, MAXWELL, b. New York, N.Y., Aug. 30, 23; m. 47; c. 2. ECONOMICS, POLITICAL SCIENCE. M.A., Chicago, 52. Economist, Coun. For. Rel., New York, 49-50; Marshall Plan, Paris, U.S. Govt., 50-53, dep. U.S. rep. on managing bd., European Payments Union, Orgn. European Econ. Coop., 54-57; Viet Nam desk officer for. aid, U.S. Int. Coop. Admin., 57-58; sr. loan officer, U.S. Develop. Loan Fund, 58-60; regional chief Mex. & Caribbean Develop. loans, INTER-AM. DEVELOP. BANK, 60-65, gen. consult. to opers, mgr., 65-67, DEP. DIR. LOAN DIV. SOUTH, 67- Lectr., Chapingo Univ., Mex., 66-67. Consult., African Develop. Bank, 65. U.S.A.A.F., 42-46. Econ. Asn.; Soc. Int. Develop. Suburb Maryland fair housing; problems of international trade and finance; convertibility of currencies; integration of North Atlantic Treaty Organization countries; economic development of less advanced countries; growth, inflation and foreign exchange relationships. Publ: Co-auth., Chaps., In: Economics of freedom, Harper; Prospects of European viability by 1952-1953, Columbia J. Int. Affairs. Address: 7029 Richard Dr., Bethesda, Md. 20034.
- OCHS, PROF. S(IDNEY), Neurophysiology, see 11th ed, Phys. & Biol. Vols.
- OCHSE, PROF. JACOB JONAS, Agr. Econ., see 10th ed, Soc. & Behav. Vols.
- OCKO, DR. F(ELIX) H(UGH), Biol., Psychiat., see 11th ed, Phys. & Biol. Vols.
- O'CONNELL, DANIEL CRAIG, S.J., b. Sand Springs, Okla., May 20, 28. EXPERIMENTAL PSYCHOLOGY. A.B., St. Louis, 51, Ph.L., 52, A.M., 53, S.T.L., 60; Nat. Sci. Found. Coop. fel., Illinois, 61-62, Ph.D.(psychol.), 63. Nat. Sci. Found. res. fcls. PSYCHOL., Harvard, 63-66; ASSOC. PROF., ST. LOUIS, 67-Asst. prof., St. Louis, 64-67. AAAS; Psychol. Asn.; Soc. Sci. Study Relig.; Psychonomic Soc. Human learning; visual perception; psycholinguistics. Publ: Co-auth., Does partial reinforcement dissociate verbal rules and the behavior they might be presumed to control?, J. Verbal Learning & Verbal Behav., 63; auth., Concept learning and verbal control under partial reinforcement and subsequent reversal or nonreversal shifts, 65 & co-auth., Extinction after partial reinforcement and minimal learning as a test of both verbal control and PRE in concept learning, 67, J. Exp. Psychol. Address: Dept. of Psychology, St. Louis University College of Arts & Sciences, St. Louis, Mo. 63103.
- O'CONNELL, DEAN DONALD W(ILLIAM), b. New York, N.Y., Mar. 22, 16; m. 53; c. 4. ECONOMICS. A.B., Columbia, 37, Mitchell fel., 37-38, A.M., 38, Ph.D., 53; Kellett fel., Cambridge, 38-39. Instr. econ., Columbia, 41, 46-49, assoc., 49-54, asst. prof., banking, 54-57, assoc. prof., 57-59, asst. to dean, Columbia Col., 46-54, asst. dean, grad. sch. bus., 54-57; economist, War Prod. Bd., 42; prog. assoc. econ. develop. & admin., Ford Found., 59-62; PROF. ECON. & DEAN COL. BUS. & PUB. ADMIN., MARYLAND, 62- Econ. ed. writer, N.Y. Herald Tribune, 49-56. U.S.N., 42-46, Lt. Econ. Asn. Financial Exec. Inst. Money and banking; international economics. Publ: Contrib., auth., The American economy in operation, Man in contemporary society & Business loans of American commercial banks. Address: College of Business & Public Administration, University of Maryland, College Park, Md. 20742.
- O'CONNELL, DR. EDWARD J, JR., b. Sterling, Ill., Aug. 15, 32; m. 59; c. 2. SOCIAL PSYCHOLOGY. B.S., Ill. Inst. Tech., 58; univ. fel., Northwestern, 58-59, Nat. Sci. Found., 61-62, M.A., 61, Ph.D.(psychol.), 62. Nat. Sci. Found. fel., Carnegie Inst., 62-63, ASST. PROF. PSYCHOL., 63-65; SYRACUSE, 65-Consult, Rand Corp., 63-64. U.S.A., 52-54. Psychol. Asn.; Asn. Comput. Mach. Computer simulation of psychological processes; computer applications in psychology; computer processing of natural languages. Publ: The effect of cooperative and competitive set on the learning of imitation and nonimitation, J. Exp. Soc. Psychol., 65; co-auth., Methods factors in multi-trait-multimethod matrices: multiplicative rather than additive?, J. Multivariate Behav. Sci., 68. Address: Dept. of Psychology, Syracuse University, Syracuse, N.Y. 13210.
- O'CONNELL, DR. JEREMIAH J, b. New York, N.Y., Aug. 5, 32; m. 59; c. 2. ORGANIZATION THEORY, SOCIAL PSYCHOLOGY. A.B., Mary Immaculate Col., 56; U.S. Steel fel. & M.B.A., Dartmouth Col., 61; Nat. Defense Ed. Act fel. & Ph.D.(orgn. theory & behav.), Columbia, 66. Asst. prof., WHARTON SCH. FINANCE & COMMERCE, PENNSYLVANIA, 64-68, ASSOC. PROF., 68-Acad. Polit. & Soc. Sci. Organizational change, especially the implementation of planned change. Publ: Co-auth., The managerial mind: science and theory in policy decisions, Irwin, 64, 2nd ed., 68; auth., Managing organizational innovation, Irwin-Dorsey, 68; Christian mission in business careers, Pax Romana, spring 68. Address: Dept. of Industry, Wharton School of Finance & Commerce, University of Pennsylvania, Philadelphia, Pa. 19104.
- O'CONNELL, JOHN JOSEPH, S.J., b. Chicago, Ill., Feb. 15, 28. SOCIOLOGY. A.B., St. Louis, 54, Ph.L., 55, M.A., 58, S.T.B., 63; Ph.D.(sociol.), Loyola (Ill.), 67. Instr. high sch., Wis., 56-59; ASST. PROF. SOCIOL., MARQUETTE, 67-Summers, instr., St. Louis, 62, Creighton, 63. Sociol. Asn. Social organizations and stratification; sociology of social organizations and of religion; social theory. Address: Dept. of Sociology, Marquette University, Milwaukee, Wis. 53233.
- O'CONNELL, DR. WALTER E(DWARD), b. Winchester, Mass., Aug. 2, 25; m. 60; c. 1. CLINICAL PSYCHOLOGY. B.A., Massachusetts, 50; M.A., Texas, 52, Ph.D., 58. Mem. staff clin. psychol., VET. ADMIN. HOSP., Waco, Tex., 58-66, RES. PSYCHOLOGIST, HOUSTON, 66- Lectr., Baylor, 59-66; St. Thomas (Tex.), 66- Consult, St. Joseph's Hosp., 68- U.S.A.A.F., 43-45. Fel. Psychol. Asn.; Soc. Adlerian Psychol.; Acad. Psychother.; Inter-Am. Soc. Psychol. Freudian wit and humor; identification; group and individual psychotherapy. Publ: In defense of Civil War romanticism, Psychiat. Quart. Suppl., 61; Identification and curability of the mental hospital patient, In: Morality and mental health, Rand-McNally, 67; Psychotherapy for everyman: a look at action therapy, J. Existentialism, 7: 85-91. Address: Veterans Administration Hospital, 2002 Holcombe Blvd., Houston, Tex. 77031.
- O'CONNOR, DR. DONALD RUSSELL, Psychol. of Relig., see 10th ed, Soc. & Behav. Vols.
- O'CONNOR, DR. EDWARD R(OBERT), b. Bronx, N.Y., July 26, 28; m. 58; c. 1. POLITICAL SCIENCE. B.A., Catholic Univ., 49, M.A., 51; Ph.D., Notre Dame, 54; Brookings Inst., 66-67; American Univ., 67-68. Lectr. polit. sci., Washington (St. Louis), 55; instr. govt., Texas, 56; intel. res. specialist for Africa, U.S. DEPT. STATE, 56-58, U.S. v.consul., San Pedro Sula, Honduras, 58-60, second secy. & econ. officer, Am. Embassy, Dublin, Ireland, 61-65, FOR. AFFAIRS OFFICER, BUR. INT. SCI. & TECH. AFFAIRS, 66- Exam. African studies, American Univ., 57-58; assoc. prof., inst. int. law & rels., Catholic Univ., 66-; fel. sci. & tech., U.S. Dept. Commerce, 66-68, transportation specialist, div. ports & sys., maritime admin., 67-68. Int. adv. to dir. nat. hwy. safety bur., U.S. Dept. Transportation, D.C., 66-67. Mem. Irish-Am. Ed. Exchange Bd., 61; bd. dir., Ireland-Am. Soc., Dublin, 63-65. U.S.A.A.F., 54-56, Res., 56-; Capt. Polit. Sci. Asn. Comparative government and economic development. Publ: Political action vs. political education; Nation and states, the Kestnbaum report, Soc. Order; India and democracy. Address: 4732 Seventh Rd. N., Arlington, Va. 22203.
- O'CONNOR, SISTER GEORGE AQUIN, C.S.J., b. New York, N.Y., Mar. 5, 21. SOCIOLOGY. A.B., Hunter Col., 43; M.A., Catholic Univ., 47; Nat. Inst. Ment. Health fel., N.Y. Univ., 60, Ph.D.(African anthrop.), 64. Asst. prof. sociol., ST. JOSEPH'S COL.(N.Y.), 45-65, ASSOC. PROF. SOCIOL. & ANTHROP., 65-Sociol. Asn.; Anthropol. Asn.; African Studies Asn.; Int. African Inst. Sociological theory; anthropology. Publ: Status & roles of West African women, Ann Arbor Microfilm, 64. Address: 245 Clinton Ave., Brooklyn, N.Y. 11205.
- O'CONNOR, DEAN JAMES P(ATRICK), b. Baltimore, Md., Oct. 13, 19; m. 44; c. 4. PSYCHOLOGY. B.S., Md. State Teachers Col., Towson, 46; M.A., Catholic Univ., 49, Ph.D.(psychol.), 52. From instr. to PROF. PSYCHOL., CATHOLIC UNIV., 51-; DEAN GRAD. SCH., 60-; dir. univ. counseling center, 51-59, head dept. psychol., 59-60. Consult, Vet. Admin., 54- U.S.A.F., 41-46, Capt. Psychol. Asn.; Personnel & Guid. Asn. Factorial study of personality; psychotherapy and personality change. Publ: A statistical test of psychoneurotic syndromes & Factors descriptive of psychopathology and behavior of hospitalized psychotics, J. Abnorm. & Soc. Psychol. Address: 907 Varnum St. N.W., Washington, D.C. 20011.
- O'CONNOR, JOHNSON, b. Chicago, Ill., Jan. 22, 91; m. 13, 31; c. 1. PSYCHOMETRICS. B.A., Harvard, 13, M.A., 14, Wertheim fel., 27. Astron. math. res. with Percival Lowell, Boston, 11-18; metall. res., Am. Steel & Wire Co., Mass., 18-20; elec. engr., Gen. Elec. Co., 20-22, organizer human eng. lab., 22; DIR., HUMAN ENG. LAB., 30-; DIR., JOHNSON O'CONNOR RES. FOUND., 42- Lectr., Mass. Inst. Tech., 28-31, asst. prof., 31-34; lectr., Stevens Inst. Tech., 28-31, assoc. prof. & dir. psychol. studies, 31-46. Fel. Am. Acad. Arts & Sci. Isolation of mental elements; measurement of human behavior; learning processes; programs for new English vocabulary machine. Publ: Psychometrics; Johnson O'Connor English vocabulary builder; Johnson O'Connor science vocabulary builder. Address: 347 Beacon St., Boston, Mass. 02116.
- O'CONNOR, JOSEPH FRANCIS, b. Philadelphia, Pa., Nov. 23, 23; m. 51; c. 8. EDUCATIONAL PSYCHOLOGY. B.A., Manhattan Col., 48; N.Y. Univ., 48-52; M.S., Pennsylvania, 59. Prof. psychol. & humanities, Spring Garden Inst., 54-56, assoc. dir., 56-57, dir., 57-62; Human Res. Assocs., 58-62; asst. prof. psychol., Rosemont Col., 62-64; area coordinator manpower retraining, Pa. Dept. Pub. Instr., 63-64; PRES., DEL. VALLEY INST., PHILA., 63- Prof. St.

John's Night Sch. Adults, 55-; psychologist, Munic. Court, Phila., Pa. 58-; Youth Study Center, Pa.; House of Good Shepard Peter Claver Sch., Phila., 64- Consult, Smith, Kline & French Lab, Pa. 56-; consult. psychologist, Cath. Childrens Bur, Pa. 59- Dir, Germantown Settlement House & Pa. Assoc. Sch. Admin; United Private Acad. Schs. of Pa. 66-68. Mem. Franklin Inst, 58- U.S.A. 43-45, Res. 52-, Capt. Fel. Soc. Appl. Anthropol. Psychol. Asn; Chem. Soc; N.Y. Acad. Sci. Applications of scientific theories as applied to humans; evaluation, appraisal, and development of the human organism under varying circumstances; attitude research on occupations and other psychological subjects; delinquency and juvenile personality studies. Address: 2401 Linden Dr, Havertown, Pa. 19083.

O'CONNOR, PROF. MICHAEL, b. New York, N.Y., Feb. 27, 07. ECONOMICS, LAW. B.S., City Col. New York, 27; Ph.D., Columbia, 41; LL.B., California, Los Angeles, 53. Instr., Lafayette Col., 27-28; asst. to pres., City Col. New York, 29-31, instr., 31-34; mem. staff, State Dept. Labor, N.Y., 34-35; U.S. Dept. Labor, 36-37; assoc. economist, War Prod. Bd., 41-42; assoc. prof., Georgia, 46-47; asst. prof., Rutgers, 47-50; teacher, Far East Prog., California, 54-56; prof. econ., Central Michigan, 56-67; INDEPENDENT RES., 67- U.S.N.R., 42-46, Lt. Comdr. Econ. Asn; Hist. Asn; Polit. Sci. Asn. Legal foundations of capitalism; legal and economic history; comparative law. Publ: Origins of academic economics in the United States, Columbia, 44. Address: Box 1218, Washington, D.C. 20013.

O'CONNOR, REV. THOMAS D(OLAN), C.M., Sociol., Psychol., see 10th ed, Soc. & Behav. Vols.

O'CONNOR, DR. VIRGIL J(OHN), b. Riceville, Iowa, June 30, 15; m. 40; c. 5. STATISTICS, PSYCHOLOGY. B.A., Iowa State Teachers Col., 38; M.A., Michigan, 42; Mass. Inst. Tech., 47; Ed.D., Harvard, 49. Teacher, pub. schs., Iowa & Mich., 38-43; U.S. Air Force, 43-65, dep. chief human factors div., dept. res. & develop., Hq., 52-55, asst. dir. admissions, U.S. Air Force Acad., 55-56, registr. & dir. admissions, 56-65; DIR. MIDWEST. OFF. ED. TESTING SERV., 65- Psychol. Asn; Nat. Coun. Measurement in Ed; Ed. Res. Asn. Mental measurement; experimental design and training methods. Address: Educational Testing Service, 990 Grove St, Evanston, Ill. 60201.

O'CONNOR, DR. WILLIAM F, b. New York, N.Y., Nov. 9, 28; m. 54; c. 8. PSYCHOLOGY. B.S., Fordham, 51, M.A., 53, fel. 53-54, Ph.D., 60. Asst. proj. dir., U.S. Dept. Air Force, 52-53; lab. instr. psychol., Fordham, 53-54; exp. aviation psychologist, U.S. Dept. Navy, 54-61; res. psychologist, Fed. Aviation Agency, 61-66; dir. E. Asia Pac. region, off. selection, Peace Corps, Wash., D.C., 66-68; CHIEF PERSONNEL RES. BR., OFF. CIVILIAN MANPOWER MGT., DEPT. NAVY, 68- Assoc. prof., Oklahoma, 62-66; prof., grad. sch. bus. admin., Oklahoma City Univ., 65-66. Consult. human factors, Fed. Aviation Agency, 66; selection, Peace Corps, 68. AAAS; Asn. Aviation Psychol.; Psychol. Asn. Industrial and organizational psychology; performance measurement in complex systems. Publ: The interrelationships of social perception, sociometric status, personality and the ability to judge personality traits, U.S. Naval Sch. Aviation Med., 60; Failure-to-complete as a family characteristic, 63 & Task interruption following rapid decompression, 66, J. Aerospace Med. Address: 2602 Stirrup Lane, Alexandria, Va. 22308.

O'DAY, PROF. EDWARD FRANCIS, JR., b. Portsmouth, Va., Apr. 27, 25; m. 61; c. 1. INDUSTRIAL & CLINICAL PSYCHOLOGY. Fel., Florida, 52-53, Ph.D.(psychol., math), 56. Clin. psychologist, hosp. Vet. Admin., Gulfport, Miss., 54-55; ment. hyg. clin., Miami, Fla., 55; hosp. Coral Gables, Fla., 55-56; mem. tech. staff, Bell Tel. Labs, Inc., N.J., 56; prog. assoc., Found. Res. Human Behav., Mich., 56-57; asst. prof. PSYCHOL., SAN DIEGO STATE COL., 57-66, PROF., 66-, dir. res. proj., 58-60. Training consult., U.S. Naval Ord. Test Sta., Calif., 61-66. U.S. Maritime Serv., 45-51, Ens. Psychol. Asn; Psychomet. Soc. Instructional technology, relative efficiencies of various programmed instruction principles for various learner ability levels; mathematics and physical sciences; personnel training, selection and placement; test development. Publ: Assessing managerial potential, Found. Res. Human Behav., 1/58; Advanced slide rule, J. Ravn Pubs., 6/63; Physical quantities and units, Prentice-Hall, 5/67. Address: Dept. of Psychology, San Diego State College, San Diego, Calif. 92115.

ODBERT, DR. HENRY S(EBASTIAN), b. Cleveland, Ohio, June 3, 09; m. 48; c. 1. PSYCHOLOGY. A.B., Dartmouth Col., 30; Ph.D.(psychol.), Harvard, 34. Instr. psychol., Dartmouth Col., 34-38, asst. prof., 38-48, prof., 48-54, asst. dir., off. ed. res., 45-46; chief tech. info. div. personnel & training res. center, air res. & develop. command, Lackland Air Force Base, 54-57, chief, tech. ops. div., 57-58, chief occup. anal. br., personnel lab., Wright Air Develop. Center, 58; PROG. DIR. PSYCHOBIOLOG. NAT. SCI. FOUND., 58- Soc. Sci. Res. Coun. fel., Harvard, 40-41; Nat. Sci. Found. adv. training prog. vis. scholar, Inst. Human Learning, Univ. California, Berkeley, 66-67. Res. psychologist, interim sys. coordination facility, Naval Res. Lab., 50-51. Ed. asst., cmt. selection & training aircraft pilots, Nat. Res. Coun., 42-43, tech. aid & dir. statist. off., 43-45. Fel. AAAS; fel. Psychol. Asn; Inter-Am. Soc. Psychol. Psychology of language and communication; experimental psychology; animal behavior; learning; science administration. Address: 10610 Belfast Place, Potomac, Md. 20854.

ODDO, PROF. GILBERT L, b. New York, N.Y., Feb. 18, 22; m. 50; c. 5. POLITICAL SCIENCE. B.A., Union Col., 48; M.A., Georgetown, 50, Ph.D.(polit. sci.), 52. Asst. prof. POLIT. SCI., Mt. St. Mary's Col., 53-58; assoc. prof., St. Joseph Col., 58-63, PROF., 63-65; SAN DIEGO, 66- Ford Found. study award, 62-63; Fulbright lectr., inst. tech., Guadalajara, 65-66. U.S.N., 42-46. American constitutional law; international politics. Publ: These came home, Bruce, 54; Slovakia and its people, Robert Speller, 60. Address: Dept. of Political Science, University of San Diego, Alcalá Park, San Diego, Calif. 92110.

O'DEA, PROF. THOMAS F(RANCIS), b. Amesbury, Mass., Dec. 1, 15. SOCIOLOGY. A.B., Harvard, 49, M.A., 51, Carnegie fel., 51-53, Ph.D.(sociol.), 53. Asst. prof. sociol., Mass. Inst. Tech., 53-55; fel. Center Adv. Study Behav. Sci., 55-58; assoc. prof., Fordham, 58-59; prof., Utah, 59-64; Columbia, 64-67, chmn. dept. relig., 65-66; PROF. SOCIOL. & RELIG. STUDIES & DIR.

INST. RELIG. STUDIES, CALIFORNIA, SANTA BARBARA, 67- Res. consult., Arabian Am. Oil Co., 63. U.S.A., 43-45. Sociol. Asn; Rural Sociol. Soc; Soc. Appl. Anthropol. Sociology of religion and knowledge; technology and social change. Publ: The Mormons; American Catholic dilemma; Sociology of religion, Prentice-Hall, 1/66. Address: East Hall 5315, University of California, Santa Barbara, Calif. 93106.

OEGARD, PROF. PETER H, Polit. Sci., see 10th ed, Soc. & Behav. Vols., deceased 66.

ODELL, DR. CLARENCE B(URT), b. Normal, Ill., Sept. 3, 07; m. 31; c. 1. GEOGRAPHY. B.Ed., Illinois State, 30; M.A., Illinois, 31; Nebraska, 31-32; scholar, Chicago, 32-34, fel., 34-36, Ph.D.(geog.), 37. Assoc. prof. geog., Stephen F. Austin State Teachers Col., 37-39; instr., Missouri, 39-43, asst. prof., 43-46; chief cartog. dept., Encyclop. Britannica, 46-50; geog. ed., DENOYER-GEPPERT CO., 50-51, MANAGING ED., 51- Part-time lectr., Northeast. Ill. Col., 67; summer vis. faculty mem., sch. ed., Northwestern, 61, 63, 65. Div. asst., off. geogr., U.S. Dept. State, 42-43, chief pop. sect. div. geog. & cartog., 43-46. Fel. AAAS; Asn. Am. Geog.; fel. Am. Geog. Soc; Coun. Geog. Ed; Cong. Surv. & Mapping; Arctic Inst. N.Am. Geography of population; cartographic methods and reproduction; analysis of textual materials for maps. Address: 2410 Greenwood Ave., Wilmette, Ill. 60091.

ODEN, MELITA H, b. Saratoga, Calif., Mar. 31, 00; m. 23; c. 3. PSYCHOLOGY. A.B., Stanford, 21; cert., San Jose State Col., 23. Dir., Louisville Psychol. Clin., Ky., 21-22; psychologist & field worker, Sonoma State Home for Feeble-minded, Calif., 23; asst. PSYCHOL., STANFORD, 27-35, RES. ASSOC., 36- AAAS; Psychol. Asn. Clinical psychology; intelligence tests; gifted children. Publ: The gifted group at mid-life; co-auth., The gifted child grows up; auth., The fulfillment of promise: 40 year follow-up of the Terman gifted group, Genetic Psychol. Monogr., 2/68. Address: Dept. of Psychology, Stanford University, Stanford, Calif. 94305.

ODEN, DR. WILLIAM EUGENE, b. Chickasha, Okla., Feb. 26, 23; m. 50; c. 2. POLITICAL SCIENCE. B.A., Oklahoma, 46, M.A., 49; Ph.D., Indiana, 57. Instr. GOVT., TEX. TECH. COL., 48-56, asst. prof., 56-57, assoc. prof., 57-65. PROF., 65- Consult, Inst. Int. Res. & Develop., 61-62. Polit. Sci. Asn. Development and utility of the social myth as a possible explanation for social cohesion and disorganization. Publ: Tenure and turnover in recent Texas legislatures, Southwest Soc. Sci. Quart., 65; Rural counties have problems, too, Nat. Civic Rev., 66; co-auth., County reapportionment: a rebuttal, Baylor Law Rev., 66. Address: Dept. of Government, Texas Technological College, Lubbock, Tex. 79409.

ODERBERG, DR. PHILLIP, b. Chicago, Ill., Apr. 20, 29; m. 53; c. 4. CLINICAL PSYCHOLOGY. M.A., California, Los Angeles, 53, Ph.D., 55. CLIN. SUPVR. PSYCHOL., CALIFORNIA, LOS ANGELES, 58- Clin. psychologist, 55- Chmn. psychol. exam. cmt. Bd. Med. Exam., State of Calif., 63- Med. Serv. C., 52-58, 1st Lt. AAAS; Psychol. Asn. Psychotherapy. Address: 419 N. Croft Ave., Los Angeles, Calif. 90048.

ODIORNE, PROF. GEORGE S, b. Merrimac, Mass., Nov. 4, 20; m. 43; c. 1. ECONOMICS, INDUSTRIAL RELATIONS. B.S., Rutgers, 48; M.B.A., N.Y. Univ., 51, Ph.D., 57. Supvr. mfg. Am. Can. Co., 38-52; chmn. dept. mgt., Rutgers, 52-55; div. mgr. personnel, Am. Mgt. Asn., 56-58; asst. dir. personnel, Gen. Mills, Inc., 58-59; PROF. INDUST. RELS. & DIR. BUR. INDUST. RELS., GRAD. SCH. BUS., MICHIGAN, 59- Adj. prof., col. eng. N.Y. Univ., 56-57; lectr., Gen. Motors Inst., 62. Consult., res. dept. Am. Oil Co., 61-62. U.S.A., 42-46, Capt. Econ. Asn; Polit. Sci. Asn. Administration of technical, engineering, scientific and professional organizations, especially manpower economics and administrative practices. Publ: How managers make things happen, Prentice-Hall, 61; Management by objectives, Pitman, 65; Effectiveness, Diraction, 67. Address: Bureau of Industrial Relations, Graduate School of Business, University of Michigan, Ann Arbor, Mich. 48104.

ODLAND, DR. LURA M(AE), Nutrit., see 11th ed, Phys. & Biol. Vols.

ODMARK, PROF. VERNIE E(RICK), b. Cambridge, Minn., Aug. 27, 17; m. 41; c. 2. ACCOUNTING. Ph.D.(acct), Missouri, 53. Chmn. dept. bus., William Woods Col., 47-51; instr., Missouri, 51-52; from asst. prof. to assoc. prof. ACCT., SAN DIEGO STATE COL., 52-60, CHMN. DEPT., 56-, PROF., 60- Outstanding faculty mem., sch. bus., San Diego State Col., 65, distinguished teaching award, 66. U.S.A., 41-46, Col. Am. Acct. Asn. Accounting theory; international accounting; research in Western Europe. Publ: Current challenges to accounting principles; Some aspects of the evolution of accounting functions, Acct. Rev. Address: 1434 Teton Dr, El Cajon, Calif. 92021.

ODOM, DR. CHARLES L(EONARD), b. Urania, La., Aug. 31, 94; m. 30; c. 1. PSYCHOLOGY. B.S., Centenary Col., 25; M.A., Chicago, 27; Columbia, 38-39; fel., N.Y. Univ., 39-40, Ph.D.(guid. & personnel), 40. Instr. psychol., Centenary Col., 24-26, asst. prof., 26-28, assoc. prof., 28-30, head dept., 30-38, dir. psychol. & voc. guid. center, 37-38; lectr. ed., N.Y. Univ., 39-40; assoc. prof. psychol., Southwest. La. Inst., 40-46; personal counsr. & staff psychologist, regional off., Vet. Admin., 46-47, chief clin. psychologist, Vet. Admin. Hosp., 47-48, sr. psychologist in charge ment. hyg. clin., 48-54; PRACTICING PSYCHOLOGIST, 49- Res. assoc., Psychol. Corp., 32-46; clin. assoc. prof., sch. med., La. State, 48-53. Mem. dir. approved counseling agencies, Am. Bd. Counseling Serv., 67-68. Fel. Psychol. Asn; Asn. Marriage Counsr. Tests and measurements; differential diagnosis and prediction. Address: 404 Carondelet Bldg., New Orleans, La. 70130.

ODOM, DR. LUTHER WAYNE, b. Waxahachie, Tex., Mar. 9, 32; m. 51; c. 4. POLITICAL SCIENCE. B.A., North Texas State, 53, M.A., 56; Ph.D.(polit. sci.), Texas, Austin, 66. Instr. POLIT. SCI., Tex. Tech. Col., 56-57; ASST. PROF., Lamar State Col., 60-61; TEXAS, ARLINGTON, 61- Mil. Intel., U.S.A.F., 54-56, 1st Lt. Polit. Sci. Asn. Legislative behavior. Address: Dept. of Government, University of Texas, Arlington, Tex. 76010.

ODOM, DR. RICHARD D(EAN), b. Corpus Christi, Tex., Jan. 1, 34; m. 61; c. 2. PSYCHOLOGY. B.A., Texas, 56, M.A., 60; Ph.D.(psychol.), Minnesota, 63. ASST. PROF. DEVELOP. PSYCHOL., VANDERBILT, 64- Res. fels. Nat.

Inst. Ment. Health, 65-66 & Nat. Inst. Child Health & Human Develop, 65-67. U.S.A. 56-58. AAAS; Psychol. Asn; Soc. Res. Child Develop. Development of cognitive and perceptual processes in humans. Publ: Concept identification and utilization among children of different ages, J. Exp. Child Psychol, 66; co-auth. Variables affecting the performance of preschool children in intradimensional, reversal, and extradimensional shifts, J. Exp. Psychol, 67; auth. Problem solving as a function of age and socioeconomic level, Child Develop, 67. Address: 134 Wesley Hall, Vanderbilt University, Nashville, Tenn. 37203.

O'DONNELL, PROF. CYRIL J (AMES), b. Lincoln, Nebr, Dec. 9, 00; m. 28; c. 4. BUSINESS MANAGEMENT. Ph.D, Chicago, 44. Indust. engr. P.R. Mallory & Co, Inc, 44-46; pres, Indianapolis Distributing Co, 46-48; from assoc. prof. to PROF. BUS. ORGN. & POLICY, CALIFORNIA, LOS ANGELES, 48- Mgt. consult, U.S. Dept. Air Force; Bur. Internal Revenue. Mgt. Asn; Acad. Mgt. Management theory. Publ: Cases in general management, Irwin, 65; The strategy of corporate research, Chandler Pub, 67; co-auth, Principles of management. Address: 3965 Mandeville Canyon Rd, Bel Aire, Calif. 90049.

O'DONNELL, DR. JOHN A, b. Jersey City, N.J, Oct. 29, 16; m. 47; c. 2. SOCIOLOGY. B.A, St. Peter's Col, 38; M.A, Fordham, 40; Ph.D (sociol), Kentucky, 60. Soc. worker, Vet. Admin. Hosp, Sheridan, Wyo, 47-49; Phoenix Ment. Health Center, 49-51; chief soc. worker, U.S. Pub. Health Serv. Hosp, Lexington, Ky, 51-62; DIR. SOC. SCI. SECT, ADDICTION RES. CENTER, NAT. INST. MENT. HEALTH, 62- U.S.A. 42-46, Capt. Sociol. Asn; Soc. Criminol. Research on addiction and drug abuse; deviant behavior; criminology; medical sociology. Address: Addiction Research Center, National Institute of Mental Health, U.S. Public Health Service Hospital, Lexington, Ky. 40507.

O'DONNELL, PROF. J (OHN) L (EONARD), b. Yorkshire, Eng, May 5, 26; m. 53; c. 4. ECONOMICS. B.A, Cambridge, 51, M.A. 56; Fulbright traveling fel, 51-52; M.B.A, Indiana, 52, Edwards fel, 53-54, D.B.A. 54. Asst. prof. finance, Notre Dame, 54-56; MICH. STATE, 56-57, acting dir. BUR. BUS. & ECON. RES, 57-59, ASST. DIR, 59- PROF. FINANCE, 64-, assoc. prof, 59-64. Adv. Turkish Ministry of Ed, Ankara, 64-67. Brit. Army, 44-48. Econ. Asn; Finance Asn. Regional and managerial economics; regional economic development, especially financial problems in developing economies. Publ: Co-auth. Elements of financial administration, C.E. Merrill, 62; auth. Relationships between reported earnings and stock prices, Acct. Rev, 65. Address: Graduate School of Business Administration, Michigan State University, East Lansing, Mich. 48823.

O'DONNELL, DR. LIGUORI ALPHONSUS, b. Gary, Ind, Oct. 19, 25; m. 53; c. 4. ECONOMICS, INDUSTRIAL RELATIONS. A.B, Notre Dame, 49, M.S.I.R, Loyola (Ill), 53; Ford Found. fel, California, Los Angeles, 60; Ph.D (econ), Wisconsin, 61. Instr. labor rels, Loyola (Ill), 53-55; econ, San Francisco, 58-60, asst. prof, 61-62; labor economist, bur. labor statistic, U.S. Dept. Labor, 62-67; ASSOC. PROF. ECON, VILLANOVA, 67- U.S.N.R, 43-45. Econ. Asn; Indust. Rels. Res. Asn; Asn. Evolutionary Econ. Trade union structure and government. Publ: Missing element in collective bargaining. Address: 16 Stonehenge Lane, Malvern, Pa. 19355.

O'DONNELL, DR. (ROBERT) J (JOSEPH), b. Cresson, Pa, July 11, 24; m. 46; c. 2. PSYCHOLOGY. B.A, Pennsylvania, 48; M.A, Southern California, 49; Ph.D (psychol), Pittsburgh, 52. Personnel mgr, Pac. Press, Inc, 52-59; dir. training, United Calif. Bank, 59-62, V.PRES, 62-67; WEST. BANCORP, 67- Lectr. eve. exten. sch, California, Los Angeles, 55-; prof, eve. div. Calif. State Col. Los Angeles, 55-67; Southern California, 67- U.S.A.A.F, 42-45, Lt. Psychol. Asn. Personnel and industrial psychology; management development; tests and measurements. Address: 610 La Serna Ave, La Habra, Calif. 90631.

O'DONNELL, PROF. WALTER G (REGORY), b. Cleveland, Ohio, Feb. 3, 03; m. 40; c. 4. BEHAVIORAL SCIENCE, MANAGEMENT. LL.B, John Marshall Law Sch, 31; B.A, Western Reserve, 32, M.A. 43; Ph.D (econ), Columbia, 59. Assoc. prof. polit. sci. & econ, John Carroll, 32-37; instr. econ, Ohio State, 43-47; assoc. prof. Fla. State, 47-48; instr. Columbia, 48-50; inst. leader mgt. develop, Nat. Asn. Mfrs, 50-51; assoc. prof. indust. mgt, Pittsburgh, 51-52; dir. mgt. develop, Nat. Foremen's Inst, 52-53; staff specialist indust. rels, Lockheed Aircraft Serv. Inc, 54-56; PROF. MGT. MASSACHUSETTS, 56- Legal & econ. res. specialist, Ohio Post-War Prog. Cmn, 45-47; group leader sr. execs, Arden House mgt. workshop, Columbia, summer 52; vis. prof, Puerto Rico, summer 61; Madrid, 62-63; New Mexico, 66-67. Ed. consult. planning M.B.A. & doctoral programs, Puerto Rico, New Mexico & Polytech. Inst. Brooklyn, 61, 66-68. Mem. col. mgt. philos. Inst. Mgt. Sci, 60- AAAS; Acad. Mgt; Soc. Adv. Mgt. Value theory in relation to social and behavioral sciences; normative elements in applied sciences of management; values and value judgments in managerial decision-making process; theories of organization, administration and decision; applications of behavioral sciences in business and public administration; management philosophy. Publ: The place of values in social science, Soc. Sci, 6/53; The changing philosophical foundations of modern corporate management, Proc. Int. Mgt. Cong, 63; Private enterprise confronted with the challenge of the future, Anal. Inter-Am. Mgt. Conf, 65. Address: Dept. of Management, Room 336, School of Business Administration, University of Massachusetts, Amherst, Mass. 01002.

O'DONOVAN, PROF. DENIS, b. New York, N.Y, May 26, 31; m. 55; c. 3. PSYCHOLOGY. B.A, Duke, 52; M.S. Miami (Fla), 53; U.S. Pub. Health Serv. fel, 59-60; Ph.D (psychol), Florida, 60. Asst. Florida, 58-59; intern clin. psychol, J. Hillis Miller Health Center, 59-60; asst. prof. psychol. & clin. psychologist, Missouri, Columbia, 60-64, vis. assoc. prof. PSYCHOL, Florida, 64-65; ASSOC. PROF, FLORIDA ATLANTIC, 65- Dipl. clin. psychol, Am. Bd. Exam. Prinf. Psychol. U.S.A. 53-56. Psychol. Asn. Philosophy of science; values; experimental psychopathology; methods of analyzing ratings of stimuli; psycholinguistics. Publ: Rating extremity: pathology of meaningfulness?, Psychol. Rev, 65; The wish not to be human, J. Existentialism, 68. Address: Dept. of Psychology, Florida Atlantic University, Boca Raton, Fla. 33432.

ODOROFF, M (AURICE) E (DWIN), b. Brooklyn, N.Y, Dec. 2, 10; m. 34; c. 2. PSYCHOLOGY. B.S, Minnesota, 33, M.A. 34. Psychologist, div. res, State Dept. Insts, Minn, 35-38, voc. rehab. counsr, div. voc. rehab. State Dept. Ed, 38-40; psychologist & acting head bur. psychol. serv, State Dept. Soc. Security, 40-43; psychologist-in-charge cerebral palsy proj, Crippled Children Cmn, N.J, 43-44; chief res. & statist. sect, Off. Voc. Rehab, 44-48; statist. & registry br, fed. employees health div, U.S. PUB. HEALTH SERV, 48-60, eval. reports br, div. hosp. & med. facilities, 60-60, div. gen. med. sci, NAT. INSTS. HEALTH, 60-66, ASST. TO DIR. HEALTH DATA, DIV. REGIONAL MED. PROGS, 66- Dipl. Am. Bd. Exam. Prinf. Psychol. Psychol. Asn; Statist. Asn. Rehabilitation of the handicapped; hospital planning; vocational rehabilitation of the cerebral palsied. Publ: Co-auth, Influence of lighting, eyesight and environment upon work production; Follow-up study of narcotic addicts after hospitalization, 77; 41-54, 62 & Effects of intensive care on mortality rate of patients with myocardial infarcts, 78: 655-61, 63, Pub. Health Reports. Address: Division of Regional Medical Programs, National Institutes of Health, Bethesda, Md. 20014.

O'DOWD, PROF. DONALD D (AVY), b. Manchester, N.H, Jan. 23, 27; m. 53; c. 4. PSYCHOLOGY. B.A, Dartmouth Col, 51; Edinburgh, 51-52; M.A, Harvard, 55, Ph.D (soc. psychol), 57. Instr. psychol, Wesleyan, 55-57, asst. prof, 57-60, dean freshmen, 58-60; assoc. prof. psychol. & asst. to dean faculty, OAKLAND, 60-61, dean univ, 61-65, PROVOST, 65-, PROF. PSYCHOL, 66- U.S.A. 45-47. AAAS; Psychol. Asn. Perception; cognition; form, content and organization of belief systems. Address: Oakland University, Rochester, Mich. 48063.

OELKE, PROF. MERRITT C (HARLES), Counseling, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.

OESTERLE, PROF. ERIC C (LARK), b. Chester, Pa, July 6, 22; m. 47; c. 4. AGRICULTURAL ECONOMICS. B.S, Cornell, 47; M.S, Purdue, 49, Ph.D. (agr. mkt), 57. Exten. economist, PURDUE, 49-57, asst. prof. AGR. ECON, 57-59, assoc. prof, 59-62, PROF, 62- Consult. Red & White Corp; Thormac Prepackaging Inst; Kimberly Clark Co. U.S.A. 43-46. Agr. Econ. Asn. Food distribution, especially retailing. Publ: Independent food store business summaries. Address: Dept. of Agricultural Economics, Purdue University, Lafayette, Ind. 47907.

OESTERREICH, DR. ROGER E (DWARD), Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.

OETTEL, DR. A (ARNOLD) M (AX), b. San Francisco, Calif, Oct. 24, 25; m. 47; c. 2. CLINICAL PSYCHOLOGY. Ph.D (clin. psychol), California, 53. Instr. dept. psychiat, Col. of Med. Evangelists, 53-60, exec. dir. cerebral palsy counseling center, 53-57, consult. sch. nursing, 57-59; from asst. prof. to ASSOC. PROF. PSYCHOL, CHICO STATE COL, 61- Consult, State Sch. Cerebral Palsied Children, Calif, 56-57. U.S.N.R, 44-46, Ens. Psychol. Asn. Group dynamics; psychotherapy and counseling. Publ: Leadership; Leadership, a psychological study, Am. Psychologist. Address: Dept. of Psychology, Chico State College, Chico, Calif. 95926.

OETTINGER, DR. MARTIN P (AUL), b. Hamburg, Germany, Oct. 15, 29; nat; m. 60. ECONOMICS. B.B.A, City Col. New York, 52; fels, Brown, 52, 55-56, A.M. 56; fel, Harvard, 56-60, Ph.D (econ), 60; Fulbright fel, Netherlands, 58-59. Asst. to staff statistician, McGraw Hill Pub. Co, 51-52; instr. ECON, Harvard, 60-61; asst. prof, CALIFORNIA, DAVIS, 61-67, ASSOC. PROF, 67- Consult, west. regional off, Off. Econ. Opportunity, 65- U.S.A. 52-54, Sgt. Econ. Asn; Indust. Rels. Res. Asn; Acad. Polit. & Soc. Sci. Public policy and the economics of wage determination and collective bargaining; economics and public implications of social welfare legislation, especially a national health insurance program; manpower and labor market programs. Publ: National job evaluation in the Netherlands, Indust. Rels, 10/64; Wages and prices in the USA & Western Europe, West. Econ. J, summer 64; Responsible democracy or democratic irresponsibility, Financial Anal. J, 3-4/66. Address: Dept. of Economics, University of California, Davis, Calif. 95616.

OFFENKRANTZ, DR. WILLIAM C (HARLES), b. Newark, N.J, Sept. 2, 24; m. 53; c. 2. PSYCHIATRY. B.S, Rutgers, 45; M.D, Columbia, 47; cert. White Inst. Psychoanal, 57; Chicago Inst. Psychoanal, 66. Asst. psychiatrist, Vanderbilt clin, Columbia Presby. Med. Center, 50-51, instr. psychiatrist, 51; assoc. res. scientist & chief outpatient clin, Creedmoor Inst. Psychobiol. Studies, 55-56; asst. clin. prof. PSYCHIAT, sch. med, Southern California, 57; ASSOC. PROF. & DIR. RESIDENCY TRAINING, SCH. MED, CHICAGO, 57- Exam, Am. Bd. Psychiat. & Neurol, 61-; mem. faculty, Chicago Inst. Psychoanal, 67- Mem. therapy cmt, Group Adv. Psychiat, 62-; adv. bd, Nat. Residency Matching Plan, 65-68. Med.C, 43-45, 53-55, Capt. Fel. Psychiat. Asn; fel. Acad. Psychoanal. Psychological relations among all dreams of a night elicited in laboratory from patients in psychoanalysis with the investigator; residency training in psychiatry. Publ: Clinical studies of sequential dreams. I A patient in psychotherapy, Arch. Gen. Psychiat, 5/63 & II Review of two hypotheses, Sci. & Psychoanal, 66; Multiple psychotherapy: a new form of inpatient consultation, Current Psychiat. Ther, 67. Address: 950 E. 59th St, Chicago, Ill. 60637.

OFFICER, DR. JAMES E, b. Boulder, Colo, July 28, 24; m. 46; c. 2. ANTHROPOLOGY. B.A, Arizona, 50, Ph.D (anthrop), 64. Instt. sociol. & anthrop, Arizona, 58-61; consult, U.S. DEPT. INTERIOR, 61, assoc. cmnr. Indian affairs, 62-67, ASST. TO THE SECY, 67- Res. asst. & consult, border proj, Mich. State Univ, 58; lectr, Pan Am. Union, 63-66. Consult. to secy. & mem. task force Indian affairs, Dept. Interior, 61, mem. task force Alaska native affairs, 62. U.S.A. 45-56, S/Sgt. Fel. Soc. Appl. Anthropol; fel. Am. Anthropol. Asn. Cultural change in indigenous communities of the United States and Latin America; use of formal voluntary associations as agents for integrating minority groups in the United States with special emphasis on the Mexican-Americans of the southwest. Publ: Indians in school, Univ. Arizona, 56; The role of the federal government in Indian acculturation and assimilation, Int. Am. Indian Cong, 54. Address: 320 N St. S.W, Washington, D.C. 20024.

- OFFORD, DR. DAVID ROBERT, b. Ottawa, Ont., Nov. 13, 33; m. 62; c. 3. CHILD PSYCHIATRY. M.D.C.M. Queen's (Ont), 57. Intern. Montreal Gen. Hosp, 57-58, res. gen. psychiat, 58-60; fel. CHILD PSYCHIAT, Childrens Serv. Center, Wilkes-Barre, Pa, 60-62; instr. Florida, 62-65, asst. prof, 65-67; ASSOC. PROF, DEPT. BEHAV. SCI, COL. MED, PA. STATE UNIV, 67- Psychiat. Asn; Orthopsychiat. Asn; Med. Correctional Asn. Etiology and natural history of schizophrenia; emotional aspects of congenital heart disease; juvenile delinquency and recidivism; psychological aspects of adoption. Publ: Co-auth, Psychiatrists' reliability in judging ego function, Arch. Gen. Psychiat, 1/67; auth, A comparison of drawings and sentence completion responses of congenital heart children with normal children, J. Proj. Tech. & Personality Assessment, 4/67 & Distortion of disability and effect on family life, J. Am. Acad. Child Psychiat, 7/67. Address: College of Medicine, Pennsylvania State University, Hershey, Pa. 17033.
- OFIESH, DR. GABRIEL DARROW, b. Beirut, Lebanon, May 3, 19; U.S. citizen; m. 43; c. 5. EDUCATIONAL TECHNOLOGY. B.S. Pittsburgh, 41; M.S., Columbia, 46; Michigan, 47; Purdue, 48-50; Ed.D. Denver, 59; Indust. Col. Armed Forces, 64-65. Asst. prof. psychol, Butler, 47-50; ed. & training adv, Mather Field, U.S. Air Force, 50-55, asst. prof. philos. & assoc. prof. psychol, U.S. Air Force Acad, 55-57, dir. cadet counseling, 57-59, prof. psychol, 59-61, head dept, 61, spec. asst. training methods, hq, Air Training Command, 61-62, chief training methods, asst. chief staff for training develop, 62-64, dir. training methods, 64; chief consult. ed. tech, Off. Econ. Opportunity, 65; dir. training methods, Off. Asst. Secy. Defense, 65; PROF. ED. & DIR. CENTER ED. TECH, CATHOLIC UNIV, 66- Lectr, exten. div, Sacramento State Col, Sacramento Jr. Col, Colorado, Our Lady of the Lake Col; summer res. psychologist, Air Univ, 47-50. Mem. nat. adv. cmt. new ed. media, U.S. Off. Ed; chief task force individualizing instr. & mem. adv. cmt. ed. parks, D.C. Pub. Schs; adv. cmt. Oakland Community Col; consult, U.S. Pub. Health Serv, Vet. Admin, Nat. Library Med. & Agency Int. Develop. Contrib. ed, Ed. Tech. Citation of honor, Air Force Asn. U.S.A.F, 43-46, 50-65, Lt. Col; Legion of Merit; joint serv. commendation medal; Distinguished Flying Cross; Air Medal & Oak Leaf Clusters. Psychol. Asn; Ed. Res. Asn. Higher education; teaching American psychology; innovations in educational technology, including automated teaching and programmed instruction. Publ: Programmed instruction: a guide for management, Am. Mgt. Asn, 65; Programmed instruction and industrial training, Teaching Aids News, 5/65; Educational innovation, the profession of education and the art and science of teaching, Ed. Tech, 2/66. Address: 3809 Great Neck Court, Alexandria, Va. 22309.
- OFSLAGER, DR. NORMAN W, b. Rochester, N.Y., May 13, 15; m. 55. SOCIOLOGY, ANTHROPOLOGY. A.B. Ohio, 42, M.A., 50; Ph.D. (sociol), Cornell, 56. Asst. color photo labs, Eastman Kodak Co, 35-38; community orgn, Cornell, 52-53; geront. res. Connecticut, 53-55, instr. SOCIOL. & ANTHROP, 56-60; asst. prof, Susquehanna, 60-62, assoc. prof, 62-63, head dept. behav. sci, 61-63; assoc. prof. & chmn. dept, Middlebury Col, 63-68; ASSOC. PROF, HARTFORD, 68- Consult. indust. retirement progs, Conn, 55; urban res, City of Waterbury, 57-58. U.S.N.R, 42-49, Lt. Sociol. Asn; Anthropol. Asn. Social organization, structure and stratification of early American colonial communities. Publ: Social participation in organized groups, Univ. Connecticut; Social problems in mixed housing; co-auth, Heart disease and retirement, Univ. Conn. Bull. Address: Dept. of Sociology & Anthropology, University of Hartford, West Hartford, Conn. 06117.
- OGAN, DR. RALPH (WILSON), b. Morgan Co, Ohio, Oct. 19, 00; m. 28; c. 1. PSYCHOLOGY. A.B. Muskingum Col, 24; fel. Ohio State, 24-25, A.M., 25, fel, 28-30, Ph.D., 30. Consult, U.S. Off. Ed, 29; prof. & dean lib. arts, Muskingum Col, 30-39; assoc. prof. & assoc. dir. coop. study gen. ed, Chicago, 39-45; psychol. consult, Rohrer, Hibler & Replogle, 45-52; partner, Nordi, Ogan, Wilson Assocs, 52-59; PRES, RALPH W. OGAN ASSOCS, 59- Psychol. Asn. Testing; clinical counseling of executives; psychology of management. Publ: Contrib. & ed, A college looks at its program; auth, The coop. study in general education, Ed. Record; Increasing the effectiveness of scientists and engineers. Address: 4400 W. 67th St, Prairie Village, Kans. 66208.
- OGDEN, DR. DANIEL M (LLER), JR, b. Clarksburg, W.Va., Apr. 28, 22; m. 46; c. 3. POLITICAL SCIENCE. A.B. State Col. Wash, 44; A.M., Chicago, 47, Ph.D., 49. Instr. polit. sci, Washington State, 49-52, asst. prof, 52-57, assoc. prof, 57-61; staff asst, resources prog. staff, U.S. DEPT. INTERIOR, 61-64, asst. dir. bur. outdoor recreation, 64-67, DIR. BUDGET, 67- Spec. consult. to chmn, Democratic Nat. Cmt, 60-61. Prfnl. staff mem, Cmt. Interstate & For. Commerce, U.S. Senate, 56-57. U.S.A., 43-46. Polit. Sci. Asn. Public policy formation; politics of conservation; nominating process. Publ: Co-auth, American national government, 64 & American state and local government, 65, Crowell; co-auth, Electing the President, Chandler, 68. Address: Office of Budget, U.S. Dept. of the Interior, Washington, D.C. 20240.
- OGDEN, DEAN FREDERIC D (ORRANCE), b. Orange Co, N.Y., Oct. 11, 15; m. 43; c. 2. POLITICAL SCIENCE. A.B. Tusculum Col, 38; Ph.D. (polit. sci), Hopkins, 51. Instr. POLIT. SCI, Alabama, 46-47, 48-51, asst. prof, 51-58, assoc. prof, 58-61; PROF, EASTERN KENTUCKY, 61-, DEAN COL. ARTS & SCI, 65-, chmn. dept. polit. sci, 61-65. Fulbright lectr, Indian Sch. Int. Studies, New Delhi, 57-58; summers, res. fel, commonwealth studies center, Duke, 59; dir. workshop int. rels, Appalachian State Teachers Col, 60, 61. U.S.A.A.F, 42-45. Polit. Sci. Asn. Comparative government; American constitutional law and government. Publ: Poll tax in the South; Voting behaviour in the United States; The Commonwealth Parliamentary Association; a political institution of the Commonwealth of Nations, J. Ala. Acad. Sci. Address: College of Arts & Sciences, Eastern Kentucky University, Richmond, Ky. 40475.
- OGDEN, DR. GEORGINE L, b. Middletown, N.Y., Nov. 3, 25. INTERNATIONAL RELATIONS. B.A. Wisconsin, 47; M.I.A., Columbia, 49; Ph.D. (int. rels), London Sch. Econ, 58. For. lang. specialist intel. work, Cent. Intel. Agency, D.C., 49-50; res. technician, U.S. Int. Info. Prog, Int. Broadcasting Div, U.S. Dept. State, 51-53; instr. polit. sci. & hist, Dutchess Community Col, 59; res. asst. world pop. studies, Pop. Ref. Bur, Inc, D.C., 60-65; res. analyst int. polit.-mil. affairs, Georgetown res. proj, div. Atlantic Res. Corp, D.C., 65-67; ASST. PROF. POLIT. SCI. & HIST, UPPER IOWA COL, 67- Consult, opers. anal. off, Off. Vice-Chief of Staff, Hq, U.S. Air Force, 67. Polit. Sci. Asn. United States foreign policy; Soviet foreign policy, especially the iron-curtain policy; Latin America; world population studies. Publ: Co-auth, Population trends in the USSR, Pop. Bull, 10/61; co-auth. & compiler, Population—vital rates, In: Britannica World Atlas International, 66. Address: Dept. of Political Science, Upper Iowa College, Fayette, Iowa 52142.
- OGDEN, BRO. RAYMOND (JOHN), F.S.C. b. New Orleans, La., Jan. 10, 13. POLITICAL SCIENCE. B.A. Manhattan Col, 35; M.A. St. Mary's Univ, 39; Ph.D. (polit. sci), Catholic Univ, 44; M.A. Lumen Vitae, Belgium, 60. Teacher, Kirwin High Sch, Tex, 31-40; instr. soc. sci, Sacred Heart Training Col, 43-47; dean & registr, St. Michael's Col. (N.Mex), 47-54, v-pres, 54-57, acting pres, 57-58; European study, Italy, Belgium & Eng, 58-60; prof. soc. sci, head dept. & faculty chmn, COL. SANTA FE, 60-66, PROF. POLIT. SCI, 66- Dir, Santa Fe Community Action Prog, 65- Polit. Sci. Asn; Am. Soc. Int. Law. American history; legislation and political theory; juvenile delinquency; life and times of John Baptist De La Salle. Publ: Dies Commitee: a study of the House Un-American Affairs Committee. Address: Dept. of Political Science, College of Santa Fe, Santa Fe, N.Mex. 87501.
- OGDON, DR. DONALD P (OTTER), b. Oak Park, Ill., July 26, 23. PSYCHOLOGY. B.S., Illinois, 49; M.A. Texas, 50; Ph.D. (psychol), Missouri, 55. Instr. psychol, Missouri, 52-54; clin. psychologist, Mo. State Sch, 54-55; assoc. prof. PSYCHOL, Richmond Prfnl. Inst, 55-63; CHMN. DEPT, OLD DOM. COL, 63- U.S.A., 43-46, 2nd Lt. AAAS; Psychol. Asn. Clinical and experimental psychology. Publ: Taste blindness to P.T.C. and related compounds, Psychol. Bull; Rorschach relationships with intelligence among familial mental defectives, Am. J. Ment. Deficiency; Psychodiagnostics and personality assessment, West. Psychol. Serv, 67. Address: Dept. of Psychology, Old Dominion College, Norfolk, Va. 23508.
- OGDON, DR. MONTELL E (RNEST), b. Douglas Co, Ill., Aug. 15, 02. INTERNATIONAL RELATIONS. A.B. Illinois, 25; A.M. Columbia, 26, Ph.D., 36; Michigan, 32; Carnegie fel, California, 33-34. Assoc. prof. Tech. Col, 29-33, 34-37, prof, 37-39; mem. staff, off. for. agr. rels, U.S. Dept. Agr, 39-52, for. agr. serv, 52-61, econ. res. serv, 61-64; PROF. LECTR. for. trade, George Washington, 46-64; ECON. & POLIT. SCI, FRANKLIN COL, 65- Adv. to U.S. Del. Int. Trade Orgn. Conf, Geneva, 47; U.S. Observ, Orgn. European Econ. Coop, Paris, 48; Gen. Agreement on Tariffs & Trade, UN, 56- Acad. Polit. Sci; Soc. Int. Law; Int. Law Asn. Development of international law and trade institutions; constitutional responsibility in determination and conduct of United States foreign relations. Publ: Juridical bases of diplomatic immunity. Address: 16 Morning Dr, Franklin, Ind. 46131.
- OGELSBY, DR. JOHN CHARLES MARTIN, Latin Am. & Colonial Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- O'GERAN, DR. GRAEME, b. Manitowoc, Wis., Mar. 2, 93; m. 31. ECONOMICS. A.B. Lawrence Col, 19, A.M., 20; Wisconsin, 22-23; A.M., Michigan, 25, Ph.D., 30. Assoc. prof. econ, Mich. State Norm. Col, 24-28; asst. prof, Syracuse, 28-35, assoc. prof, 35-40, prof, 40-60, univ. marshal, 44-56, asst. dir. admissions, 45-50, dir. for. businessmen's training prog, 59-60; exec. dir, Community Found, 61-63; ECON. CONSULT, N.Y. STATE DEPT. TAXATION & FINANCE, 63- Summer researcher for N.Y. State on wage-tax progs, Ministries of Finance, Stockholm & Bonn, 67. Consult, Merchants Nat. Bank & Trust Co, 53- Econ. Asn. History of the Detroit street railways; consumption of wealth; school enrollment as revealed in census figures. Publ: An introduction to modern economics; An introduction to the social sciences. Address: New York State Dept. of Taxation & Finance, Bldg. 9 State Campus, Albany, N.Y. 12228.
- OGG, PROF. WALLACE E (LMER), b. Monroe, Iowa, Sept. 18, 09; m. 34, 55; c. 3. AGRICULTURAL ECONOMICS. B.S. Iowa State, 31, M.S., 44; Farm Found. fel. & M.A., Chicago, 48, Ph.D., 49. County agr. agent, IOWA STATE, 35-38, farm mgt. specialist, 38-43, dist. exten. supvr, 43-44, asst. prof. AGR. ECON, 47-50, assoc. prof, 50-52, PROF, 52- Consult, Cmt. Econ. Develop, 50-51; Agr. Develop. Coun, Asia, 63. Mem. European mkt. develop. team, For. Agr. Serv, U.S. Dept. Agr, 59. U.S.N.R, 44-45, Lt. Econ. Asn; Agr. Econ. Asn. (award, 66). Agricultural adjustment and policy; production economics; economic growth. Address: Dept. of Agricultural Economics, Iowa State University, Ames, Iowa 50010.
- OGILVIE, PROF. BRUCE CHARLES, b. Victoria, B.C., Nov. 7, 20; nat; m. 43; c. 2. PSYCHOLOGY. B.S., San Francisco, 50; M.S., Portland, 51; Ph.D., London, 54. Lectr. psychol, San Francisco, 54-55; from assoc. prof. to PROF. PSYCHOL. & COUNSELOR, SAN JOSE STATE COL, 55- Asst. prof, San Francisco State Col, 54-55; lectr, Notre Dame Col, 54-56. Mem. vis. staff, Santa Clara County Hosp, Calif, 59. Mem. adv. coun, Peace Cmt, 61; Prfnl. Cmn. Int. Affairs, 61. Med.C, 43-46, Sgt. Psychol. Asn. Investigation of intellectual efficiency. Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 95114.
- OGILVIE, DR. BRUCE C (ROSSAN), b. Avon, N.Y., June 21, 15; m. 42; c. 2. GEOGRAPHY. Ed.B., R.I. Col, 38; M.A., Clark, 49, Ph.D., 56. Sch. teacher, Maine, 36; R.I. 38-41, prin, 41-42; asst. prof. geog, Georgia, 47-48; Chico State Col, 50-55, assoc. prof, 56-57; MAP ED, RAND McNALLY & CO, 58-66, THE GEOGRAPHER, 66- Lectr, Chicago, 65- U.S.N.R, 42-45, Lt. Asn. Am. Geog. Geographic education; cartography; urban geography. Address: 1110 Grove St, Evanston, Ill. 60201.
- OGILVIE, PROF. JOHN C (HARLES), Statist, see 11th ed, Suppl. IV to Phys. & Biol. Vols.
- OGLE, DR. KENNETH N (EIL), Biophys, see 11th ed, Phys. & Biol. Vols.
- OGLE, DR. MARBURY BLADEN, JR, b. Burlington, Vt., Apr. 13, 10; m. 33; c. 3. POLITICAL SCIENCE. B.A. Ohio State, 31, M.A., 32, Ph.D., 37. Instr. polit. sci, Ohio State, 36-37; Western Reserve, 37-42; sr. orgn. analyst,

spec. war policy unit, Dept. Justice, Wash, D.C., 43-44; chief Italian sect, res. & anal. br., Off. Strategic Serv., 44-45; assoc. prof. POLIT. SCI., PURDUE, 45-51, PROF., 51-, DEAN SCH. HUMANITIES, SOC. SCI. & ED., 63-, head dept. hist. govt. & philos., 53-63. Polit. Sci. Assn. Public opinion and political dynamics; American government; political parties. Publ: Public opinion and political dynamics, 50; co-auth. Power, order and the economy, 54. Address: School of Humanities, Social Science & Education Administration, Stanley Coulter Hall, Purdue University, West Lafayette, Ind. 47907.

OGLE, DR. RICHARD A(LAN), b. Moscow, Idaho, Feb. 3, 38; m. 62; c. 2. PUBLIC & NATURAL RESOURCES ADMINISTRATION. B.S. Idaho, 61; M.S., Syracuse, 64, fel. & Ph.D. (nat. resources admin), 67. Forester, U.S. Forest Serv. 61-62; res. asst. NAT. RESOURCES ADMIN. State Univ. N.Y. Col. Forestry, Syracuse, 66; ASST. PROF., UTAH STATE, 67- Soc. Am. Foresters. Natural resources administration, especially in underdeveloped countries; effects of culture on administration; outdoor recreation. Address: Dept. of Forest Science, Utah State University, Logan, Utah 84321.

OGLESBY, PROF. R(OSCOE) R(ALPH), b. Depoy, Ky, June 8, 05. POLITICAL SCIENCE. A.B. Georgetown Col., 25; A.M., Virginia, 34; Ph.D., Duke, 50. Assoc. prof. polit. sci., Okla. State, 47-49, prof., 49-54, dean studies, 50-54; FLA. STATE, 54-64, PROF. GOVT., 54- Polit. Sci. Assn; Soc. Int. Law. International law of civil wars. Address: Dept. of Government, Florida State University, Tallahassee, Fla. 32303.

O'GORMAN, PROF. HUBERT J(OSEPH), b. New York, N.Y., Nov. 16, 25; m. 48; c. 2. SOCIOLOGY. A.B. Columbia, 49, A.M., 51, Soc. Sci. Res. Coun. fel., 56-57, Ph.D. (sociol.), Columbia, 61. Lectr. SOCIOL., Hunter Col., 58-60, instr., 61-62, asst. prof., 63-66, assoc. prof., 67; PROF. & CHMN. DEPT., WESLEYAN, 67- U.S.M.C., 43-46. Sociol. Assn; Soc. Study Soc. Prob. Sociology of professions; social structures; social perception. Publ: Lawyers and matrimonial cases, Macmillan, 63. Address: Dept. of Sociology, Wesleyan University, Middletown, Conn. 06457.

OGRAM, PROF. ERNEST W(ILLIAM), JR., b. Hartford, Conn., June 29, 23; m. 53; c. 1. ECONOMICS. B.A. American Univ., 50; M.A., Connecticut, 51; Ph.D., Illinois, 57. Asst. econ. Connecticut, 50-51; instr. Eng. Valley Forge Mil. Acad., 51-52; asst. ECON., Illinois, 53-57; asst. prof., GA. STATE COL., 57-60, assoc. prof., 60-63, PROF., 63-, DIR. INST. INT. BUS., 64- Fel. Fed. Reserve Cent. Banking Seminar, 62. Consult., Fulton County Schs., State of Ga., 64-65. Ed. Essays in Int. Bus., 67. U.S.A., 43-46, 1st Lt. Econ. Asn; Int. Exec. Asn. International economics. Publ: U.S. business and the common market, Atlanta Econ. Rev., 62; The emerging pattern of the multinational corporation, Atlanta Bur. Bus. & Econ. Res., 65; The outlook for American exports—some suggestions for expansion, Essays in Int. Bus., 67. Address: Dept. of Economics, Georgia State College, Atlanta, Ga. 30303.

OGREN, DR. KENNETH E(LLERY), b. Atwater, Minn., Dec. 3, 18; m. 49; c. 3. AGRICULTURAL ECONOMICS, STATISTICS. B.S. Minnesota, 42, M.A., 48, Ph.D. (agr. econ. statist), 51. Instr. statist. sch. bus. admin., Minnesota, 46-47, asst. agr. econ., 47-49; res. intern. div. mkt. & transportation res., bur. agr. econ., U.S. DEPT. AGR., 49-51, agr. economist & head mkt. margins & costs sect., 51-54, head mkt. info. & statist. sect., mkt. orgn. & costs br., agr. mkt. serv., 54-58, chief mkt. orgn. & costs br., 58-60, dir. mkt. econ. res. div., 60-61, econ. res. serv., 61-67, AGR. ATTACHE, U.S. DEL. ORGN. ECON. COOP. & DEVELOP., PARIS, FRANCE, 67- Princeton fel. pub. affairs, Woodrow Wilson Sch. Pub. & Int. Affairs, Princeton, 62-63. U.S.N., 42-46, Lt. Am. Agr. Econ. Asn; Mkt. Asn; Int. Asn. Agr. Econ. Marketing economics; international agricultural economics; international trade. Publ: Agricultural markets in change, U.S. Dept. Agr., 66; Marketing costs for food; Farm-retail spreads for food products. Address: American Embassy, USOECD, APO New York 09777.

OGUL, PROF. MORRIS S(AMUEL), b. Detroit, Mich., Apr. 15, 31; m. 54. POLITICAL SCIENCE. B.A., Wayne State, 52; M.A., Michigan, 53, univ. fel., 54-56, Hunt-Alumni Fund fel., 56-57, Ph.D., 58. Spec. instr. govt., Wayne State, 53-54; instr. POLIT. SCI., PITTSBURGH, 57-58, asst. prof., 59-64, assoc. prof., 64-67, PROF., 67-, sr. res. assoc. admin. sci. center, 61-63. Carnegie Corp. & Am. Polit. Sci. Assn. study grant, 65-68. Consult., Dodd, Mead & Co. & Univ. Pittsburgh Press, 61; Allyn & Bacon, Pub., 65-67. Polit. Sci. Assn. American political system, Presidency and legislative process. Publ: Research on the legislative process in congress, In: Legislative process in congress and the states; co-auth. The American legislative process, Prentice-Hall, first ed., 64, second ed., 68; auth. Residence requirements as barriers to voting in Presidential elections, Midwest J. Polit. Sci. Address: Dept. of Political Science, University of Pittsburgh, Pittsburgh, Pa. 15213.

OH, DR. JOHN CHUNG HWAN, b. Duc-chun, Korea, Jan. 28, 34; m. 58; c. 3. POLITICAL SCIENCE. B.A. Fla. South. Col., 55; M.A. Southern Illinois, 56; Ph.D., N.Y. Univ., 61. Asst. prof. POLIT. SCI., Northern Illinois, 61-62; via. prof., Marquette, summer, 62; asst. prof., Wisconsin, 62-67; ASSOC. PROF., WIS. STATE, WHITEWATER, 67- Soc. Pub. Admin; Asn. Asian Studies; Polit. Sci. Assn. The Korean bureaucracy; comparative administration; political sociology; politics of the developing nations in Asia. Publ: The federation of Malaysia: an experiment in nation-building, Am. J. Econ. & Sociol., 10/67; The optimum scope of American public administration, 12/67 & The problems of diversity in Malaysia, 6/68, Int. Rev. Hist. & Polit. Sci. Address: 241 Woodland Dr., Whitewater, Wis. 53190.

O'HARE, DR. JOHN J(OSEPH), b. Boston, Mass., Oct. 21, 25. EXPERIMENTAL & PHYSIOLOGICAL PSYCHOLOGY. B.S., Boston, 50; M.A., Catholic Univ., 52, Ph.D. (exp. psychol.), 57. Res. psychologist, auditory res. br., U.S. Naval Med. Res. Lab. Conn., 53-57, chief sonarman, 57-59; sr. human factors specialist, sys. res. div., Int. Elec. Corp. Div., Int. Tel. & Tel. Corp., N.J., 59-60, supvr. syst. appls., 60-61; head human factors, weather syst. center, United Aircraft Corp., 61-64; mem. tech. staff, Mitre Corp., 64-66; ASSOC. PROF. PSYCHOL. & CHMN. DEPT., GEORGETOWN, 66- U.S.N., 43-46. AAAS; Psychol. Assn. Audiology, psychoacoustics and bioacoustics; design of visual displays; analysis of human-factor elements in the design and evaluation of automated, computer-based systems. Publ: Factorial study of EEG and auditory functions with respect to the alpha scanning hypothesis;

Some primary auditory abilities in pitch and loudness; Intersensory effects of visual stimuli on the minimum auditory threshold, J. Gen. Psychol. Address: Dept. of Psychology, 216 Loyola Hall, Georgetown University, Washington, D.C. 20007.

O'HARE, J(OHN) RICHARD, b. Louisville, Ky., Feb. 24, 13. SOCIOLOGY, PSYCHOLOGY. B.A. & Ph.B., St. Meinrad Col., 36; M.A., Catholic Univ., 40, Ph.D. (sociol. psychol.), 42. ASSOC. PROF. SOCIOL. & CHMN. DEPT., URSULINE COL., 45-; BELLARMINE COL., 51-, assoc. prof. psychol., 51-56. Mem. faculty philos., Louisville, 47-66. Consult., Our Lady of Peace Hosp., 51-Sociol. Assn. Marriage and the family; social psychology; social theory. Address: Dept. of Sociology, Bellarmine College, Louisville, Ky. 40205.

O'HARE, ROBERT JOSEPH MICHAEL, b. Boston, Mass., July 28, 18; m. 42; c. 4. STATE & LOCAL GOVERNMENT. A.B. Col. Holy Cross, 42; Harvard, 46; M.S., Boston, 50. Admin. asst., New Eng. Elec. Syst., 46-50; asst. govt. res., Cmn. Structure State Govt., Mass., 50-51; exec. dir., Home Rule Assn. & Citizens League, R.I., 51-54; town mgr., Stoughton, Mass., 54-60; DIR. GOVT. RES., BUR. PUB. AFFAIRS, BOSTON COL., 60- Lectr., div. univ. exten., Dept. Ed., Mass., 49-50. Consult., Gov. Cmt. Home Rule, R.I., 53; charter cmn., Central Falls, 53, Cumberland, 59-60. Secy., Mayor's Col. Cmt. Urban Renewal, 61-; North Terminal Area Planning Study, 61-; Spec. Cmn. Munic. Home Rule, Mass., 61-; exec. dir., League Cities & Towns, Mass., 61-63; Gov. appointee, Metrop. Area Planning Coun., 63-; Spec. Cmn. Home Rule, 66- U.S.N.R., 42-46, Lt. Govt. Res. Asn; Regional Sci. Asn; Int. City Mgr. Asn; Soc. Pub. Admin. Structure of state and municipal government; metropolitan affairs and state-local relationships. Publ: Home rule in Rhode Island. Address: Bureau of Public Affairs, Boston College, Chestnut Hill, Mass. 02167.

O'HARE, THOMAS EDWARD, Econ, see Suppl. V to 11th ed, Phys. & Biol. Vols.

O'HARE, PROF. WILLIAM G(RIFFIN), JR., b. Boston, Mass., Oct. 20, 16; m. 44; c. 2. PUBLIC ADMINISTRATION. B.A., Notre Dame, 40, fels., 41-42, 49-50; M.A., Boston, 41; Harvard, 49; Texas, 51-55. Instr. govt., St. Ambrose Col., 46-47, asst. prof., 47-49; assoc. prof., St. Edward's, 50-57; asst. dir. res. State Dept. Commerce, Mass., 57-58; bur. govt. res., Massachusetts, 58-59, dir., 59-65; ASSOC. PROF. SOC. SCI., MASS. STATE COL., SALEM, 65- U.S.A., 42-46, 1st Lt. Soc. Pub. Admin; Pub. Personnel Asn; Govt. Res. Asn. State and local government administration. Publ: Massachusetts municipal personnel; Municipal planning in Massachusetts; Assessment administration. Address: Dept. of Social Sciences, Massachusetts State College at Salem, Salem, Mass. 01970.

O'HARROW, DENNIS, City Planning, see 10th ed, Soc. & Behav. Vols., deceased 67.

O'HERN, PROF. EDNA M., b. Hammond, Ind., Aug. 31, 19. SOCIOLOGY. B.A., St. Xavier Col., 41; M.A., Catholic Univ., 49, Ph.D., 56. From asst. prof. to assoc. prof. SOCIOL., St. John Fisher Col., 54-62; St. John's (N.Y.), 62-64; Windsor, 64-67; PROF., ST. FRANCIS COL. (N.Y.), 68- U.S.N.R., 43-46, Lt. AAAS; fel. Sociol. Assn; Soc. Sci. Study Relig.; Can. Sociol. & Anthropol. Assn. Sociology of language and religion. Publ: Co-auth. Medical education and research in Catholic medical schools and hospitals, Am. Cath. Sociol. Rev.; Status significance of an isolated urban dialect, Lang. Dissertation Series. Address: Dept. of Sociology, St. Francis College, Brooklyn, N.Y. 11201.

OHLIN, PROF. LLOYD E(DGAR), b. Belmont, Mass., Aug. 27, 18; m. 46; c. 4. SOCIOLOGY. A.B., Brown, 40; M.A., Indiana, 42; Ph.D., Chicago, 54. Supv. res. sociologist criminol., State Parole & Pardon Bd., Ill., 47-53; dir. center for ed. & res. in corrections, Chicago, 53-56; PROF. sociol., N.Y. Sch. Soc. Work, Columbia, 56-67; CRIMINOL., LAW SCH., HARVARD, 67- Spec. asst. to secy., Dept. Health, Ed. & Welfare, 61-62; Ford Found. travel-study grant, 64-65; assoc. dir., President's Cmn. Law Enforcement & Admin. Justice, 65-67. Consult., Am. Bar Found. Surv. Admin. Criminal Justice in U.S., 55-57; Nat. Inst. Ment. Health, 59-61; Ford Found., 60-61. U.S.A., 42-45. Sociol. Assn. Criminology and corrections; social organization, psychology and change. Publ: Selection for parole; Sociology and the field of corrections; co-auth. Delinquency and opportunity. Address: Harvard Law School, Cambridge, Mass. 02138.

OHLSEN, PROF. MERLE M(ARVEL), b. Willow Lake, S.Dak., Mar. 3, 14; m. 39; c. 4. EDUCATIONAL PSYCHOLOGY. B.E., Minn. State Teachers Col. (Winona), 38; A.M., Illinois, 41; Ph.D., Iowa, 46. Teacher, schs., S.Dak., 34-35; Minn., 38-39; Ill., 39-41; prin., Iowa, 41-43, teacher, 44-45; instr. math., Iowa, 43-44; asst. prof., ED. State Col. Wash., 45-47, assoc. prof., 47-50; ILLINOIS, URBANA, 50-53, PROF. 53- Roy Roberts distinguished vis. prof., Missouri, Kansas City, 67-68. Psychol. Asn; Personnel & Guid. Asn. Appraisal of the effects of group counseling; methods of treating the gifted underachiever; factors which influence client-counselor relationships; essential laboratory experience for counselor preparation. Publ: Guidance: an introduction; Modern methods in elementary school; Guidance services in the modern school, 64. Address: 1506 Dawson Dr., Champaign, Ill. 61820.

OHMANN, DR. O(LIVER) A(RTHUR), Psychol, see 10th ed, Soc. & Behav. Vols.

OHLSON, DR. M(ORTON) K(AYE), b. Denver, Colo., June 15, 31; m. 52; c. 2. ECONOMICS. B.A., Colorado, 54, fels., 59-61, Ph.D. (econ), 61; M.A., New Mexico, 59. Instr. ECON., Colorado, 60-61; asst. prof., Kans. State Teachers Col., 61-62; Wichita, 62-65; ASSOC. PROF., METROP. STATE COL., 65- U.S.A.F., 54-56. Econ. Asn. Industrial organization; economic development; labor economics. Publ: Relation between some of the variables in population change and economic development; Review: power in America, fall 67; On the consequences of economic determinism. Address: 8179 W. Louisiana Ave., Denver, Colo. 80226.

OI, PROF. WALTER Y(ASUO), b. Los Angeles, Calif., July 1, 29. ECONOMICS. B.S., California, Los Angeles, 52, M.A., 54; univ. fel., Chicago, 54-55, Gen. Elec. Co. fel., 55-56, Soc. Sci. Res. Coun. fel., 56-57, Ph.D. (econ), 61.

- Instr. econ, Iowa State, 57-58; res. economist, transportation center, Northwestern, 58-62; PROF. ECON, Washington (Seattle), 62-67; COL. BUS. ADMIN, ROCHESTER, 67- Consult, Dept. Defense, 64-65; Inst. Defense Anal, 66. Econ. Asn. Economics, especially the application of statistical and economic theory to problems in labor and transportation economics. Publ: The neoclassical foundation of progress functions; co-auth. The economics of private truck transportation; auth. Labor as a quasi-fixed factor. Address: Dept. of Economics, College of Business, University of Rochester, Rochester, N.Y. 14627.
- OJEMANN, DR. RALPH H(ENRY), b. Peoria, Ill, Aug. 30, 01; m. 25; c. 3. PSYCHOLOGY. B.S. Illinois, 23, M.S., 24; fel. Chicago, 28-29, Ph.D.(ed. psychol), 29. Asst. prof, Kansas, 29-30; res. assoc. child welfare, child welfare res. sta, Iowa, 30-31, asst. prof, 31-39, assoc. prof. psychol. & ed, 39-51, prof, 51-65; DIR. CHILD & ED. PSYCHOL, DEPT. PREV. PSYCHIAT, ED. RES. COUN, 65- Citation of merit, Univ. Chicago Alumni Asn, 55; award of merit, Iowa Asn. Ment. Health, 65. Fel. AAAS; fel. Psychol. Asn; fel. Soc. Res. Child Develop; fel. Sociol. Asn; fel. Pub. Health Asn. Effect of training adolescents in human relations and mental hygiene; development of understanding and appreciation of scientific approach in adolescents in self-guidance. Publ: Personality adjustment of individual children, Nat. Ed. Asn, Revised Ed, 66; ed, The school and the community treatment facility in preventive psychiatry, Univ. Iowa, 66; co-ed, Giving emphasis to guided learning, Ed. Res. Coun, 66. Address: Educational Research Council, Rockefeller Bldg, Fourth Floor, Cleveland, Ohio 44113.
- OKANES, DR. MARVIN MORRIS, b. Buffalo, N.Y., Apr. 4, 22; m. 57. PSYCHOLOGY. B.A. Buffalo, 51, M.A., 54; Ph.D. Cornell, 56. Human factors scientist, Syst. Develop. Corp., 55-64; ENG. SCIENTIST, McDONNELL-DOUGLAS CORP, SANTA MONICA, 64- Sig.C, U.S.A., 45-46. Psychol. Asn. Man-machine system operator evaluation and training. Address: 5151 W. 58th Place, Los Angeles, Calif. 90056.
- O'KELLY, PROF. LAWRENCE I, b. Marion, Iowa, June 3, 13; m. 33; c. 1. PSYCHOLOGY. B.A. Wyoming, 34; Denver, 34-35; M.A. Ohio State, 36, Ph.D.(psychol), 39. From instr. to assoc. prof. PSYCHOL, Colorado, 39-49; prof, Illinois, 49-68; PROF. & CHMN. DEPT. MICHIGAN STATE, 68- Consult, Vet. Admin, 47- U.S.A., 42-46. AAAS; fel. Psychol. Asn. Motivation and learning; brain mechanisms in motivation; water metabolism. Address: Dept. of Psychology, Michigan State University, East Lansing, Mich. 48823.
- OKSENBERG, MICHEL, b. Antwerp, Belgium, Oct. 12, 38; U.S. citizen; m. 62; c. 1. POLITICAL SCIENCE. B.A. Swarthmore Col, 60; M.A. Columbia, 63, Ph.D. 68. ASST. PROF. POLIT. SCI, Stanford, 66-68; COLUMBIA, 68- Polit. Sci. Asn; Asn. Asian Studies. Policy formulation, elites and local government in communist China; politics of modernization and revolution; Chinese foreign policy. Publ: Local government in China: 1955-58, Columbia, 67; Local leaders in communist China, 1962-5, Univ. Washington (Seattle), (in press); Occupational groups and the cultural revolution, Univ. Michigan, (in press). Address: Dept. of Political Science, Columbia University, New York, N.Y. 10023.
- OKUDA, DR. KENJI, b. Seattle, Wash, Aug. 7, 22; m. 54; c. 2. ECONOMICS. B.A. Oberlin Col, 46; M.A. Harvard, 48, Ph.D.(econ), 55. Instr. ECON, Franklin & Marshall Col, 47-48; lectr. Puerto Rico, 48-50; instr. Bard Col, 51; asst. prof, Washington State, 53-61, assoc. prof, 61-62; adv. Govt. Nepal, 63-66; ASSOC. PROF. SIMON FRASER UNIV, 66- Adv. inst. bus. admin, Karachi, 61-63. Econ. Asn; Finance Asn. Economic development; money and banking; comparative economic systems. Address: 450 Beachview Dr, North Vancouver, B.C., Can.
- OKUN, DR. ARTHUR M, b. Jersey City, N.J., Nov. 28, 28; m. 51; c. 3. ECONOMICS. A.B. Columbia, 49, univ. scholar, 49-50, univ. fel, 50-51, Kazanjan fel, 51-52, Ph.D.(econ), 56. Instr. econ, Yale, 52-56, asst. prof, 56-60, assoc. prof, 60-63, prof. econ. & dir. grad. studies, 63-64; mem, COUN. ECON. ADV, 64-68, CHMN, 68-, consult, 61, sr. staff economist, 61-62. Econ. Asn; Economet. Soc; Statist. Asn. Aggregative theory; short-term forecasting; fiscal policy. Publ: Ed, The battle against unemployment; auth. The measurement and significance of potential GNP. Address: Council of Economic Advisers, Executive Office Bldg, Washington, D.C. 20506.
- OKUN, DR. BERNARD, b. Brooklyn, N.Y., July 20, 32; m. 59. ECONOMICS, STATISTICS. B.A. Brooklyn Col, 53; Johnston fel, Hopkins, 53-54, Earhart Found. fel, 55-56, Soc. Sci. Res. Coun. fel, 56-57, Ph.D.(econ), 57. Researcher logistics, Rand Corp, 57-58; asst. prof. ECON, Princeton, 58-61; ASSOC. PROF, Queens Col.(N.Y.), 61-65; BROOKLYN COL, 65- Prof. & head dept. econ, Makerere Univ. Col, Uganda, 67-69. Consult, U.S. Dept. Treas, 66-67. Econ. Asn; Economet. Soc; Statist. Asn. Economic theory; development, statistics and mathematical economics; demography; logistics. Publ: Trends in birth rates in the United States since 1870; ed, Studies in economic development; auth. Regional income inequality and internal population migration. Address: Dept. of Economics, Brooklyn College, Brooklyn, N.Y. 11210.
- OLDER, DR. HARRY J(AY), b. Thayer, Kans, Aug. 4, 17; m. 38; c. 3. PSYCHOLOGY. A.B. Ft. Hays Kans. State Col, 39, M.S., 41; Ph.D.(psychol), Clark, 42. Clin. psychologist, U.S. Navy, 42-44, aviation psychologist, 44-45, head aviation psychol. br, bur. med. surg, 46-48; asst. prof, Clark, 45-46; prog. dir, Inst. Res. Human Reels. Phila, 49-52; PRES, Matrix Corp, 52-65; SOFTWARE SYSTS, INC, 66- Fel. Psychol. Asn. Engineering psychology; system development; Address: 5810 Seminary Rd, Falls Church, Va. 22041.
- OLDMAN, PROF. OLIVER, Law, Econ, see 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- OLDROYD, PROF. CARL R(ILEY), b. Arkansas City, Kans, Feb. 18, 14; m. 40; c. 2. PSYCHOLOGY. B.S. Northwestern, 36, M.S., 37, Ph.D.(psychol), 42. Instr. & phase supvr, elec. br. U.S. Air Force Tech. Sch, Ill, 42-43; instr. psychol, Oklahoma, 40-42, asst. prof, 46-51, assoc. prof, 51-59, prof, 59-68, chmn. dept, 55-62; PROF. PSYCHOL. & CHMN. DEPT. D'YOUVILLE COL, 68- U.S.A.A.F., 42-46. AAAS; Psychol. Asn. Energetics of behavior; relationship between energy mobilization and work output. Publ: Various research articles. Address: Dept. of Psychology, D'Youville College, Buffalo, N.Y. 14201.
- OLDS, DR. EDWARD B(OSWORTH), b. Karuizawa, Japan, July 18, 06; U.S. citizen; m. 34; c. 2. SOCIOLOGY. B.A. Wisconsin, 31; M.Sc. Western Reserve, 33; Ph.D. Pittsburgh, 42. Chief records sect, bur. supply, UNRRA, 44-45; dir. res, Soc. Planning Coun, St. Louis, Mo, 45-52; study dir, Nat. Soc. Welfare Assembly, 52-53; coordinator nat. cmn. adult ed. finance, Adult Ed. Asn, Wash, D.C., 53-54, info. serv, 54-55; res. dir, Baltimore Coun. Soc. Agencies, 55-57; prog. develop. consult, Health & Welfare Coun. of Nat. Capitol Area, 57-62; res. consult, off. spec. asst. juvenile delinquency, Dept. Health, Ed. & Welfare, 62-65; sr. analyst, Nat. Planning Asn, Wash, D.C., 65-67; ASSOC. PROF. SOCIOL, CITY UNIV. NEW YORK, 67- Sociol. Asn; Statist. Asn. Social problems and work; opinion; community organization and development. Publ: Use of research methods in studying 13 St. Louis day nurseries; Financing adult education in America's public schools and community colleges; Small area patterning of population and housing characteristics in the Washington metropolitan area. Address: 444 E. 82nd St, New York, N.Y. 10028.
- OLDS, PROF. JAMES, b. Chicago, Ill, May 30, 22; m. 46; c. 2. PHYSIOLOGICAL PSYCHOLOGY. B.A. Amherst Col, 47; M.A. Harvard, 51, Ph.D.(psychol), 52. Lectr. & res. assoc. lab. soc. rels, Harvard, 52-53; U.S. Pub. Health Serv. fel, McGill, 53-55; assoc. res. psychologist, California, Los Angeles, 55-57; assoc. prof. PSYCHOL, MICHIGAN, 57-59, PROF, 59- U.S.A., 42-45. Psychol. Asn; Physiol. Soc. Neurophysiology; behavior. Address: Brain Research, University of Michigan, Ann Arbor, Mich. 48104.
- O'LEARY, DR. JAMES J(OHN), b. Manchester, Conn, May 7, 14; m. 41; c. 4. ECONOMICS. B.A. Wesleyan, 36, M.A., 37; Algier B. Duke fel, Univ. Duke, 38-39, Ph.D., 41. Instr. econ, Wesleyan, 39-45, asst. prof, 46; assoc. prof, Duke, 46-47; dir. econ. res, Life Ins. Asn. of Am, 47-67; CHMN. BD. & CHIEF ECONOMIST, LIONEL D. EDIE & CO, INC, 67- Econ. consult, Conn. Gen. Life Ins. Co, 45-48; consult, Voluntary Home Mortgage Credit Prog, 55-62; U.S. Bur. Census, 61. Mem, nat. cmt. voluntary credit restraint prog, Fed. Reserve Bd, 51-52; mem. tech. consult, Bus. Adv. Coun, 66. Econ. Asn; Finance Asn.(pres, 60); Conf. Bus. Econ. Money and capital markets; monetary and fiscal policy; financial flows; business cycles; international balance of payments. Publ: Life insurance companies as financial institutions, Monogr. Prentice-Hall, 62; Future of long-term interest rates, Monograph. Address: Lionel D. Edie & Co, Inc, 530 Fifth Ave, New York, N.Y. 10036.
- O'LEARY, PROF. PAUL M(ARTIN), b. Lawrence, Kans, Nov. 29, 01. ECONOMICS. A.B. Kansas, 22; A.M. Harvard, 24; Ph.D. Cornell, 29. Instr. ECON, CORNELL, 24-29; asst. prof, 29-36, prof, 36-67, EMER. PROF, 67-, dean col. arts & scis, 51-57. Dep. adminstr. in charge rationing, Off. Price Admin, 42-43. Econ. Asn. Finance; organization and control of industry; corporate enterprise in modern economic life. Address: 400 Triphammer Rd, Ithaca, N.Y. 14850.
- O'LESEN, DR. VIRGINIA LEE, b. Lovelock, Nev, July 21, 25. SOCIOLOGY. B.A. Nevada, 47; M.A. Chicago, 56; Ford Found. & Haynes Found. fcls. & Ph.D. Stanford, 61. Ed. & asst. ed, U.S. Civil Serv, 47-54; res. asst, Stanford Res. Inst, 57-59; asst. res. sociologist, CALIFORNIA, SAN FRANCISCO, 60-66, asst. prof. SOCIOL, 66-67, ASSOC. PROF, 67- Sociol. Asn; Soc. Study Social Probs. Sociology of devalued occupations; social psychology; sociology of occupations and professions and of literature and popular culture; micro-sociology; sociology of the city. Publ: Co-auth. The silent dialogue: a study in the social psychology of professional socialization, Jossey-Bass, 68 & Adjudication of student awareness in professional socialization: the language of laughter and sciences, Sociol. Quart, 67. Address: Dept. of Sociology, University of California Medical Center, San Francisco, Calif. 94123.
- O'LESSKER, DR. KARL, b. Philadelphia, Pa, Dec. 22, 28; m. 59; c. 3. POLITICAL SCIENCE. A.B. Pennsylvania, 54; M.A. Northwestern, 56; Ph.D. Indiana, 59. Lectr. govt, Indiana, 57-58; instr. POLIT. SCI, Chatham Col, 58-59; from asst. prof. to assoc. prof, Wabash Col, 59-65; ASSOC. PROF, Ga. State Col, 65-67; ILLINOIS, URBANA, 67- Nat. Convention fel, 60; Nat. Center Ed. in Polit. fel, 62-63. U.S.A.F., 50-52. Polit. Sci. Asn. Political and legislative behavior; political philosophy. Publ: Freedom and constraint in the Indiana Democratic delegation, In: Inside politics; Analysis of gross data. Address: Dept. of Political Science, University of Illinois, Urbana, Ill. 61801.
- OLESEK, DR. WALTER J(OSEPH), b. Little Falls, N.Y., Aug. 28, 41. POLITICAL SCIENCE. B.S. State Univ. N.Y. Col. Brockport, 63; M.A., Mich. State, 65; Nat. Sci. Found. summer grant, Michigan, 66; Ph.D.(polit. sci), State Univ. N.Y. Albany, 68. Instr. POLIT. SCI, COLGATE, 65-66, ASST. PROF, 68- Polit. Sci. Asn. Legislative process at the state and national levels, especially social and political background of our legislators; American government. Address: 37 Churchill St, Little Falls, N.Y. 13365.
- OLIVEN, DR. MICHAEL D(AVID), b. Milwaukee, Wis, Apr. 16, 37; m. 66; c. 1. ANTHROPOLOGY. B.A. Beloit Col, 59; M.A. & Nat. Defense Ed. Act. fel, North Carolina, 62; Ph.D.(anthrop), Oregon, 67. Rotating staff mem. ANTHROP, Cent. Am. Field Prog, Assoc. Cols. Midwest, 64-65; instr. div. continuing ed, Oregon, 65-66; ASST. PROF, American Univ, 66-67; GEORGIA, 67- Summers, instr. Portland State Col, 66, Carnegie overseas fel. anthrop, 63. Ethnol. Soc; Soc. Ethnologist; Anthropol. Asn; Latin Am. Studies Asn. Cultures and institutions of Latin America, especially ethnohistory of the cultural components of Central America and cultural adaptation of Latin American Negro groups. Publ: Co-auth. Anthropological bibliography of aboriginal Panama, 65, Anthropological bibliography of aboriginal Nicaragua, 65 & Anthropological bibliography of aboriginal Honduras, 66, Trop. Sci. Center, San Jose, Costa Rica. Address: Dept. of Sociology & Anthropology, University of Georgia, Athens, Ga. 30601.

- OLIENSIS, DR. DAVID G(ORDON), b. St. Louis, Mo, Aug. 28, 26; m. 50; c. 3. PSYCHOLOGY. B.A. Washington (St. Louis), 49; Ph.D. Columbia, 59. Intern clin. psychol. Inst. Crippled & Disabled, N.Y. 55-56, trainee, 56-57; clin. psychologist, child guid, Essex Co. Guid. Center, N.J., 57-59, sch. psychologist, Bd. Ed. Paramus, 59-61, chief psychologist, Dumont-Bergenfield Guid. Center, Dumont, 61-63; vis. assoc. prof. ED. PSYCHOL. teachers E.Africa prog, teachers col, Columbia, 63-65; assoc. prof, Paterson State Col, 65-66; vis. assoc. prof, WISCONSIN, MILWAUKEE, 66-67, ASSOC. PROF, 67- Private clin. psychologist, 59-; instr, Paterson State Col, 60-62; sch. psychologist, bd. ed, Haskell, N.J., 61-62, Kinnelburg, N.J., 62-63; chief psychologist, Lakeland Guid. Center, Pompton Lakes, N.J., 62-63; chief psychologist, N.Essex Child Guid. Clin, Belleville, N.J., 65-66. Consult, Jewish Voc. Serv, Milwaukee, 67- U.S.A. 46-47. Psychol. Asn; Acad. Psychother. Inter-racial attitudes; culture and personality; African personality and child-rearing; projective techniques; play therapy. Publ: Psychology in Uganda, Psychologia, 66; East African psychological patterns, J. Am. Acad. Child Psychiat, 67; Interracial attitudes of Kenyan secondary school students, Race, 67. Address: 2112 E. Newberry Blvd, Milwaukee, Wis. 53211.
- OLIM, DR. ELLIS G, b. Boston, Mass, May 25, 11; m. 40; c. 2. HUMAN DEVELOPMENT, PSYCHOLOGY. B.A. Harvard, 32; M.A. Roosevelt, 60; U.S. Pub. Health Serv. fel, Chicago, 62, 63, Off. Ed. grant 64-65, Ph.D. (human develop, clin. psychol.), 65. Teacher, Cent. Sch. Bus. & Arts, 35-36; housing specialist, U.S. Housing & Home Finance Agency, 38-52, Chicago Land Clearance Cmn, 52-56, mgr, Herbert Realty Co, 56-58; instr. voc. rehab, Chicago Munic. Sanatorium, 58; ASST. PROF. HUMAN DEVELOP, MASSACHUSETTS, AMHERST, 66-, res. grants, 66-68. Consult, Headstart orientation prog, Massachusetts, 66; Off. Econ. Opportunity & Bridge Inc, Upward Bound Prog, Mass. Inst. Tech, 67; Mass. Pub. Health Dept, 67. AAAS; Psychol. Asn; Soc. Res. Child Develop; Ed. Res. Asn; Acad. Arts & Sci; Acad. Polit. & Soc. Sci. Language and cognitive development. Publ: Children's ways of thinking, PTA Mag, 67; co-auth, Role of mothers' language styles in mediating their preschool children's cognitive development, Sch. Rev, 67; The self-actualizing person in the fully functioning family: a humanistic viewpoint, Family Life Coordinator, 68. Address: Dept. of Human Development, Hampshire House, University of Massachusetts, Amherst, Mass. 01002.
- OLIN, DR. TOM DAVIS, b. Evanston, Ill, Dec. 30, 23; m. c. 3. CLINICAL PSYCHOLOGY. B.A. Iowa, 49; Ph.D. N.Y. Univ, 60. Res. psychologist, Columbia-Greystone Assocs, 48-50; State Psychiat. Inst, N.Y. 52-53; intern clin. psychol, Bellevue Psychiat. Hosp, New York, 53-54; staff psychologist, Inst. of Living, Conn, 54-62; Vet. Admin. Hosp, East Orange, N.J., 62-66; CLIN. PSYCHOLOGIST, HIAWATHA VALLEY MENT. HEALTH CENTER, 66- Assoc. La Crosse Neuropsychiat. Clin, Wis, 66- U.S.A.A.F, 43-45. Psychol. Asn; Group Psychother. Asn; Soc. Proj. Tech. Problems of community mental health; development of facilities for retarded children in the community; marital counseling; reassessment of traditional professional roles in the mental health field. Publ: Use of age-scaled scores in the determination of IQ equivalents on the Wechsler Adult Intelligence Scale, Psychol. Newsletter; co-auth, Quantification of the Bender-Gestalt recall: a pilot study, J. Proj. Tech. Address: Hiawatha Valley Mental Health Center, 76 E. Fourth St, Winona, Minn. 55987.
- OLINGER, DR. LEONARD B(ENNETT), b. New York, N.Y., Sept. 12, 22. CLINICAL PSYCHOLOGY. Ph.D.(psychol), California, Los Angeles, 54. Trainee clin. psychol. Vet. Admin, 50-54; CONSULT. PSYCHOLOGIST, 54-; INSTR. PSYCHOL, SOUTHERN CALIFORNIA, 56- Consult, United Palsy Center, 55- Staff ed, J. Proj. Tech, 54- Dipl. Am. Bd. Exam. Prfnl. Psychol, 61; Am. Bd. Exam. Psychol. Hypnosis, 61. U.S.A. 43-46. Psychodiagnostic testing; psychodynamics of schizophrenia. Publ: Some factors relating to interpretative proficiency with the Rorschach technique, J. Proj. Tech; co-auth, Psychophysiological investigations in model psychoses induced by LSD-25 in normals, Arch. Neurol. & Psychiat; auth, Hypnosis as aid to psychodiagnosis, J. Clin. Hypnosis, 10/67. Address: 450 N. Bedford Dr, Beverly Hills, Calif. 90210.
- OLINICK, DR. STANLEY L(ESTER), Psychiat, see 11th ed, Phys. & Biol. Vols.
- OLIVE, DR. LOIS ELAINE HOWSDEN, b. Huntley, Nebr, June 30, 30; m. 56; c. 2. COUNSELING & EDUCATIONAL PSYCHOLOGY. B.A. Nebr. State Teachers Col, 55; M.Ed, Nebraska, 57, Ed.D, 62; Wisconsin, 59-61. Gen. couns, Nebraska, 55-58, couns, 62-64; instr. ed. psychol, Wisconsin, 58-60; COUNSELING PSYCHOLOGIST, Pittsburgh, 64-65; NEBRASKA, 66- Voc. consult, Dept. Health, Ed. & Welfare & Soc. Security Admin, 63- Psychol. Asn; Personnel & Guid. Asn; Nat. Soc. Col. Teachers Ed. Personal values related to occupational role and personality. Publ: Relationship of values to occupational role perceptions, J. Counseling Psychol, 64. Address: 1020 Mulder Dr, Lincoln, Nebr. 68510.
- OLIVER, PROF. BERNARD JOHN, JR, Sociol, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 66.
- OLIVER, PROF. CLIFTON, JR, b. Amarillo, Tex, Dec. 3, 15. BUSINESS ADMINISTRATION. Fel, Tex. Tech. Col, 38-39, A.B. & A.M., 39; fel, La. State, 39-40; Wisconsin, 40. Asst. prof, Texas Christian, 41-42, acting dir, eve. col, 42-43; asst. prof. personnel mgt, FLORIDA, 46-59, ASSOC. PROF. MGT. & DIR. MGT. CENTER, COL. BUS. ADMIN, 59- Consult, regional off, State Farm Ins. Co, 55; Dictionary of Int. Biography, 67-68. Mem. bd. dirs, Indust. Commun. Coun, 67. U.S.A. 43-46. Econ. Asn; Soc. Personnel Admin; Inst. Mgt. Labor and personnel management; background and development of National Labor Relations Board; employment interview. Address: Management Center, 103 Matherly Hall, University of Florida, Gainesville, Fla. 32601.
- OLIVER, PROF. DONALD W(ILLIAM), b. U.S., Sept. 2, 28; m. 49; c. 3. EDUCATIONAL PSYCHOLOGY. A.B. Amherst Col, 50; A.M. Harvard, 51, Ed.D, 56. Instr. SOC. SCI. ED, HARVARD, 55-58, asst. prof, 58-63, assoc. prof, 63-65, PROF, 65- Mem. Nat. Coun. Social Studies, 54-, chmn. res. cmt, 58-60. Psychol. Asn; Acad. Polit. & Soc. Sci. Interaction process analysis of small groups; evaluation of learning outcomes in the social studies; relationship

- ship between ideology, cognitive style and critical thinking in the social studies. Publ: Selection of content in the social sciences, Harvard Ed. Rev; Educating citizens for responsible individualism; Re-examination of the unit concept, Sch. Rev. Address: Graduate School of Education, Longfellow Hall, Harvard University, 13 Appian Way, Cambridge, Mass. 02138.
- OLIVER, DR. DOUGLAS L(EWELLYN), b. Ruston, La, Feb. 10, 13; m. 43; c. 3. ANTHROPOLOGY. A.B. Harvard, 34; Ph.D.(ethnol), Vienna, 35. Res. assoc. anthropol, Peabody Mus, Harvard, 36-41, Soc. Sci. Res. Coun. fel, 41-42; econ. analyst, Bd. Econ. Warfare, Wash, D.C., 42-43; dep. spec. rep, For. Econ. Admin, 43-44, spec. rep, 43-46; dir. econ. surv, U.S. Commercial Co, 46-47; v.pres. & dir, E.D. Chapple Co, 47-50; lectr. ANTHROP, HARVARD, 48-50, ASSOC. PROF, 50- Howard Found. fel, 54-55. Consult, U.S. Dept. State, 48-51. Anthropol. Asn; Soc. Appl. Anthropol; Am. Acad. Arts & Sci. Anthropology of Oceania; social structure. Publ: The Pacific Islands; Studies in anthropology of Bougainville; A Solomon Island society. Address: 10 Channing St, Cambridge, Mass. 02138.
- OLIVER, PROF. HENRY M, JR, b. Union City, Tenn, Dec. 11, 12. ECONOMICS. A.B. Southwestern (Tenn), 34; A.M. Duke, 38, Ph.D, 39. Instr. econ, Yale, 39-41, assoc. economist, Indust. location sect, 41; economist, for. funds sect, div. monetary res, U.S. Dept. Treas, 41-42, 45; assoc. prof. ECON, North Carolina, 46-47; Northwestern, 47-49; PROF, INDIANA, 49- Adv, Thailand Nat. Inst. Develop. Admin, 67; Am. Econ. Asn. rep, Nat. Res. Coun, 64-66. Econ. Asn. Economic theory, systems & development. Publ: A critique of socioeconomic goals; Economic opinion and policy in Ceylon. Address: Dept. of Economics, Indiana University, Bloomington, Ind. 47401.
- OLIVER, DR. JAMES E(DWARD), b. Norris City, Ill, Dec. 13, 25; m. 50; c. 3. PSYCHOLOGY. B.A. Southern Illinois, 49; M.S. Purdue, 50, Ph.D.(psychol), 53. Supvr. personnel res. dept, CADILLAC MOTOR CAR DIV, GEN. MOTORS CORP, 51-57, gen. supvr. ed. & personnel res. dept, 57-62, dir. personnel res, 62-67, DIR. PERSONNEL DEVELOP, 67- Pres, Ed. Guid, Inc, 67- U.S.A. 43-46. AAAS; Psychol. Asn; Personnel & Guid. Asn. Psychological testing; managerial training. Publ: Educational interest inventories; co-auth, A punched card procedure for use with the method of paired comparison, J. Appl. Psychol; Oliver technical-vocational interest inventory. Ed. Guid, Inc, 68. Address: 27115 Wilson, Dearborn Heights, Mich. 48127.
- OLIVER, PROF. MICHAEL K(ELWAY), b. North Bay, Ont, Feb. 2, 25; m. 48; c. 5. POLITICAL SCIENCE. B.A. McGill, 48, M.A. 50, Ph.D, 57. Asst. prof. POLIT. SCI, New Brunswick, 50-51; assoc. prof, United Colls, Manitoba, 52-58; ASST. PROF, MCGILL, 58-, V. PRN, 67- Fed. pres, New Democratic Party, 61; dir. res, Royal Cmn. Bilingualism & Biculturalism, 64-67. Can. Army, 43-45. Can. Econ. Asn; Int. Polit. Sci. Asn. Political theory; French Canadian nationalism; Canadian federalism. Publ: Ed. Social purpose for Canada; co-auth, Quebec states her case, Macmillan, 64; auth, Quebec and Canadian democracy, Can. J. Econ. & Polit. Sci. Address: McGill University, Sherbrook St, Montreal, Que, Can.
- OLIVER, MILDRED B(OYDEN), Geog, see 10th ed, Soc. & Behav. Vols.
- OLIVER, DR. PAUL THOMAS, b. Porum, Okla, Oct. 6, 16; m. 39; c. 3. ECONOMICS. B.S. Okla. Agr. & Mech. Col, 38; M.B.A. Stanford, 50; Ph.D. (econ), Arkansas, 67. Asst. prof. ECON, Elizabethtown Col, 61-63; ASSOC. PROF, MISSISSIPPI, 68- U.S.A.F, 40-61, Maj. Agricultural economics, especially large-scale cattle feeding in dry lots. Address: Box 429, University of Mississippi, University, Miss. 38677.
- OLIVER, PROF. ROBERT T(ARBELL), Pub. Speaking, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- OLIVER, DR. ROBERT WARNER, b. Los Angeles, Calif, Oct. 26, 22; m. 46; c. 2. ECONOMICS, INTERNATIONAL RELATIONS. A.B. Southern California, 43, M.A. 48; A.M. Princeton, 50, Ph.D.(econ), 57; Soc. Sci. Res. Coun. fel, London Sch. Econ, 54. Instr. econ, Southern California, 46-47; Princeton, 47-48, asst, 48-50; instr, Pomona Col, 50-52; asst. prof, Southern California, 52-56; economist, Stanford Res. Inst, 56-59; asst. prof. ECON. CALIF. INST. TECH, 59-61, ASSOC. PROF, 61- Consult, Brookings Inst. & World Bank, summer 61; air pollution study sect, U.S. Pub. Health Serv, 66- Councilman, city of Pasadena, Calif, 65-69. Mem. cmt. high sch. econ, San Marino Sch. Syst, 66-67. U.S.N.R, 43-46, Lt.(jg). Am. Econ. Asn; Royal Econ. Soc; Inst. Strategic Studies. International economic relations; origins of the World Bank. Publ: The role of small scale manufacturing in economic development, 57 & An economic survey of Pasadena, 59, Stanford Res. Inst; A perspective on southern California, Eng. & Sci, 12/67. Address: Dept. of Economics, California Institute of Technology, Pasadena, Calif. 91109.
- OLIVER, R(OBERT) W(ILSON), b. Brooklyn, N.Y., Apr. 29, 11; m. 52; c. 4. ECONOMICS, STATISTICS. A.B. Long Island, 37; B.S. N.Y. Univ, 40, M.B.A., 42. Statistician, New York Stock Exchange, 29-42; controller res. serv, BUDD CO, 58-67, CONTROLLER PROD. DEVELOP. DIV, FT. WASHINGTON, 67- Lectr, Temple, 66- U.S.N.R, 42-58, Res, 58-, Capt. Econ. Asn; Statist. Asn; Am. Acct. Asn; Finance Asn; Ord. Asn. Economic theory; corporation finance; taxation; accounting; auditing; government contracting. Address: 67 Four Leaf Rd, Levittown, Pa. 19056.
- OLIVER, DR. SYMMES C(HADWICK), b. Cincinnati, Ohio, Mar. 30, 28; m. 52; c. 2. CULTURAL ANTHROPOLOGY. B.A. Texas, 51, M.A. 52, Ph.D. (anthrop), California, Los Angeles, 61. Instr. ANTHROP, TEXAS, AUSTIN, 55-59, asst. prof, 59-63, assoc. prof, 63-68, PROF, 68-, ACTING CHMN. DEPT, 67- Summer vis. asst. prof, California, Los Angeles, 60, res. anthropologist, Culture & Ecol. in E.Africa Proj, 61-62, vis. lectr, Riverside, 60-61. Fel. Anthropol. Asn. Cultural ecology; social organization; ethnology. Publ: Shadows in the sun, 54; The winds of time, 59; Ecology and cultural continuity as contributing factors in the social organization of the Plains Indians, 62. Address: Dept. of Anthropology, University of Texas, Austin, Tex. 78712.
- OLKIN, PROF. INGRAM, b. Waterbury, Conn, July 23, 24; m. 45; c. 3. MATHEMATICAL STATISTICS. B.S. City Col. New York, 47; Columbia, 47-

- 48; fel, North Carolina, 48-50, M.A., 49, Ph.D.(math. statist), 51. Asst. prof, math, Mich. State, 51-55, assoc. prof. statist, 56-58; vis. assoc. prof, Chicago, 55-56; Stanford, 58-59; assoc. prof. & chmn. dept, Minnesota, 60-61, PROF. STATIST. & ED, STANFORD, 61- Overseas fel, Churchill Col, Cambridge, 67-68. U.S.A.A.F, 43-46, 1st Lt. Math. Soc; fel. Statist. Asn; fel. Inst. Math. Statist. Multivariate analysis. Address: Dept. of Statistics, Stanford University, Stanford, Calif. 94305.
- OLLEY, PROF. R.E, b. Montreal, Que, Apr. 16, 33; m. 57; c. 4. ECONOMIC. B.A., Carleton, 60; M.A., Queen's (Ont), 61, Skelton-Clark fel, 61-63. Asst. mgr. lumber sales, Beaver Lumber Co, 50-54; opers. mgr, Palmers Plumbing Supply, Ottawa, 55; salesman, Barrett Bros. Lumber Ltd, 56-60; ASST. PROF. ECON, SASKATCHEWAN, 63- Vis. prof, Queen's (Ont), 67-68. Nat. dir, Consumer's Asn. Can, 66-67, v-pres, 67-; dir. res. & econ consult, Royal Cmn. Consumer Probs. & Inflation, 67-68. Am. Econ. Asn; Can. Econ. Asn; Royal Econ. Soc. Labor costs and productivity in Canadian manufacturing; uses, costs and supervision of consumer credit; problem of the consumer interest as a new economic force. Publ: Co-auth, Consumer credit in Canada, Univ. Saskatchewan, 66 & Commerce international, programmes d'aide et financement compensatoire, Economie Appliquée, Paris, 66; auth, Comparative productivity in Canada and the United States (manufacturing), Indust. Can, 66. Address: Dept. of Economics, University of Saskatchewan, Saskatoon, Sask, Can.
- OLM, DR. KENNETH WILLIAM, b. Green Bay, Wis, Feb. 5, 24; m. 48; c. 4. INDUSTRIAL ADMINISTRATION. B.A., Pomona Col, 47; M.A., New Mexico, 49; Ph.D.(bus. admin), Texas, 58. Instr. econ. & bus. admin, Tex. West. Col, 48-53, lectr. mgt, 53-55, asst. prof. indust. mgt, 55-60; ASSOC. PROF. MGT, TEXAS, 60- Vis. prof, New Mexico, 66-67; Ford Found. summer fel, bus. sch, Harvard, 60. Coordinator state tech. serv. prog, State of N.Mex, 66-67. U.S.A.A.F, 43. Econ. Asn; Soc. Adv. Mgt; Inst. Indust. Eng; Acad. Mgt. Production; policy; management controls. Publ: Co-auth, Business policies, Allyn & Bacon, 66; Equipment replacement policies among selected Texas banks; Managerial implications of integrated business operations, Calif. Mgt. Rev, 21-32, fall 65. Address: Dept. of Management, University of Texas, Austin, Tex. 78712.
- OLMSTEAD, PROF. CLARENCE W(ALTER), b. Ludington, Mich, Nov. 4, 12; m. 39; c. 3. GEOGRAPHY. A.B., Cent. Mich. Col. Ed, 37; M.S., Michigan, 38, Ph.D.(geog), 51; California, 40-42. Instr. Cent. Mich. Col. Ed, 38-40; asst, California, 40-42; geogr. Off. Strategic Serv. & U.S. Dept. State, 42-46; asst. prof. GEOG, WISCONSIN, 46-58, assoc. prof, 58-66, PROF, 66-; ed, 46-50. Vis. prof, Auckland, 68; summer vis. prof, California, Los Angeles, 59. U.S.N.R, 43-46, Lt. Asn. Am. Geog; Am. Geog. Soc; Agr. Hist. Soc; Nat. Coun. Geog. Ed. Agricultural geography; regional geography of Anglo America; American orchard and vineyard regions. Publ: American orchard and vineyard regions, Econ. Geog, Vol. 32: 189-236, 56; co-auth, The geography of input, output and scale of operation in American agriculture, In: Agricultural Geography, Int. Geog. Union Symp, Dept. Geog. Res. Paper 3, Univ. Liverpool, 65. Address: Dept. of Geography, University of Wisconsin, Madison, Wis. 53706.
- OLMSTEAD, DR. JOSEPH A(DDISON), JR, b. Hope, Ark, Oct. 24, 21; m. 42; c. 1. SOCIAL & INDUSTRIAL PSYCHOLOGY. B.A., Texas, 53, M.A., 54, Ph.D. 56. Res. scientist, Texas, 54-55; indust. psychologist, Eli Lilly & Co, 55-59, chief training progs, 59-61; sr. scientist, HUMRRO, GEORGE WASHINGTON, 61-66, SR. STAFF SCIENTIST, 66- U.S.A.A.F, 42-46, Sgt. Psychol. Asn. Dynamics of social organizations; leadership; interpersonal relationships; human relations training; organizational psychology. Publ: Use of simulated groups to produce modifications in judgement & Relationship between frequency of yielding and disclosure of personal identity, J. Personality; Attitudes as adjustments to stimulus, background, and residuals factors, J. Abnorm. & Soc. Psychol. Address: HumRRO, Division 4, P.O. Box 2086, Ft. Benning, Ga. 31905.
- OLMSTEAD, DR. PAUL S(MITH), Physics, see 11th ed, Phys. & Biol. Vols.
- OLMSTED, DR. ANN G, b. Ft. Dodge, Iowa, Dec. 11, 24; m. 50; c. 1. SOCIOLOGY. B.A. State Col. Iowa, 45; Ph.D., Minnesota, 54. Instr. social, West Virginia, 49-50; admin, Minnesota, 50-55; res. assoc, agr. exten. center, Wisconsin, 55-57; instr. soc. sci, MICH. STATE, 57-59, RES. ASSOC. ED, 59-; ASSOC. PROF. ED. & MED, 66- Sociol. Asn. Educational sociology; research methods; demography. Address: 660 Pebblebrook Lane, East Lansing, Mich. 48823.
- OLMSTED, PROF. D(AVID) L(OCKWOOD), b. Jamestown, N.Y., Mar. 11, 26; m. 46; c. 1. ANTHROPOLOGY. A.B., Cornell, 47, fel, 48-50, M.A., 48, Ph.D. (Slavic ling, anthropol), 50. Instr. anthropol, Northwestern, 50-51; fel, Yale, 51-52, asst. prof. ling, 52-54; ANTHROP, CALIFORNIA, DAVIS, 54-58, assoc. prof, 58-61, PROF, 61- Vis. prof, Univs. Moscow & Leningrad, 63-65. U.S.A., 44-46. Fel. Anthropol. Asn; Ling. Soc. Hokan linguistics and ethnology; linguistic methodology; child language development. Publ: Korean folklore reader, Indiana Univ, 63; History of Palaihnihan phonology, 64 & An Achumawi dictionary, 66, Univ. California. Address: Dept. of Anthropology, University of California, Davis, Calif. 95616.
- OLMSTED, PROF. DONALD W(ARREN), b. Duluth, Minn, May 28, 21; m. 50. SOCIOLOGY. B.A., Wisconsin, 42, M.A., 49; fel, Minnesota, 52-55, Ph.D.(sociol), 55. Instr. SOCIOL, Wisconsin, 55-57; asst. prof, MICH. STATE, 57-60, assoc. prof, 60-64, PROF, 64-; asst. dean col. soc. sci, 62-66, dir. soc. sci. res. bur, 64-66. U.S.A.A.F, 42-46. Sociol. Asn; Psychol. Asn. Social psychology; research methodology; small groups. Publ: Organizational leadership and social structure in a small city, Am. Soc. Rev; Social groups, role and leadership: an introduction to the concepts; co-auth, Group structure and function as related to personality characteristics and interests of group members. Address: Dept. of Sociology, Michigan State University, East Lansing, Mich. 48823.
- OLORUNSOLE, DR. VICTOR, b. Mopa, Nigeria, Mar. 23, 39; m. 67. POLITICAL SCIENCE. B.A., Friends, 63; univ. fel, Inst. Int. Ed. fel, Howard Mem. fel, African Studies fel. & M.A., Indiana, 64, Soc. Sci. Res. award, 65, Ford Found. grant, 65-66, Ph.D.(govt), 67. ASST. PROF. polit. sci, Calif. State Col. Long Beach, 67; GOVT, IOWA STATE, 67- Lectr, Peace Corps training proj, Indiana, summer 64, 65; Iowa State res. grant & sci. & humanities res. award, summer 68. Fel. African Studies Asn; Polit. Sci. Asn. Political development; comparative politics; African studies. Publ: Nigerian cultural nationalism, African Forum, 67; Patterns of interaction between Nigerian bureaucratic and political leadership, J. Developing Areas, (in press); The Nigerian power struggles and the governmental bureaucracy, In: Decision making and the development process, Princeton, (in press). Address: Dept. of Government, Iowa State University, Ames, Iowa 50010.
- OLSEN, PROF. ARDEN B(EAL), b. Ephraim, Utah, Aug. 23, 98; m. 39; c. 2. ECONOMICS, MARKETING. B.S., Utah, 26, M.S., 29, Park scholar, 31-33; Ph.D.(econ, finance, mkt), California, 35. Head asst. econ. hist, California, 31-35; assoc. prof. econ, Utah State Agr. Col, 35-36; head dept. commerce, Ariz. State Col, 36-42; assoc. dean grad. col, DENVER, 42-63, prof. ECON. & MKT, 42-66, EMER. PROF, 66- V.chmn, Off. Price Admin, Ariz, 41-42; pub. mem, utilities div, War Labor Bd, Colo, 43-45. U.S.A., 17-19. Econ. Asn; Mkt. Asn. Economic history; labor. Publ: History of Mormon mercantile cooperation in Utah. Address: College of Business Administration, University of Denver, University Park Campus, Denver, Colo. 80210.
- OLSEN, PROF. ARTHUR R(OBERT), b. Brooklyn, N.Y., Dec. 1, 10; m. 38; c. 1. SOCIAL SCIENCE. B.S., N.Y. Univ, 39, M.A., 40, Ed.D.(soc. sci), 42; Columbia, 46. Instr. geog, Pratt Inst, 43-44; statistician, Rayonier, Inc, N.Y., 44-47; from asst. prof. to PROF. soc. sci, WESTERN ILLINOIS, 47-66, ECON, 66- Fel, int. inst. arts & letters, Geneva, 61. Consult, Ill. Curriculum Prog, 49-; Joint Coun. Econ. Ed, 55-56. Trustee, Ill. Coun. Econ. Ed, 58- Econ. Asn; Acad. Polit. & Soc. Sci. International economic development; comparative economic systems; economic history; economic education and curriculum. Publ: Co-auth, Applied economics, Seventh Ed, South-Western Pub, 67; auth, Development in economic education, Off. State Supt. of Pub. Instr, Ill, 67. Address: Dept. of Economics, Western Illinois University, Macomb, Ill. 61455.
- OLSEN, PROF. BERNARD M(ARTIN), b. Chicago, Ill, Mar. 27, 19; m. 44. ECONOMICS. A.B., Chicago, 47, M.A., 50, Ph.D.(econ), 54. Instr. ECON, Indiana, 50-54; asst. prof, N.C. STATE, 54-56, assoc. prof, 57-62, PROF, 62- Fulbright lectr, Australia, 59; Inter-Univ. Cmt. for. Res. Econ. Develop. South res. grant, 62; summer vis. prof, Agrarian Univ, Peru, 66. Consult, U.S. Dept. Air Force, 55-; U.S. Agency Int. Develop, Argentina, Uruguay, 64; N.C. Mission to Peru, 67. U.S.A., 41-45. Econ. Asn; Econ. Hist. Asn; Soc. Hist. Tech; Econ. Hist. Soc, Brit. American and European economic history; economic growth in underdeveloped areas; economic development in Latin America; history of the rise of industrialism in Europe and the United States. Publ: Technological change in the textile industry; co-auth, A factor analysis of characteristics of the South, in: Essays in southern economic development, Univ. North Carolina, 64; An application of factor analysis to economic growth, J. Regional Sci, 66. Address: 3727 Swift Dr, Raleigh, N.C. 27606.
- OLSEN, PROF. HERLUF V(AGN), Econ, see 10th ed, Soc. & Behav. Vols, deceased 66.
- OLSEN, DEAN JAMES KARGE, b. Aurora, Ill, Jan. 31, 22; m. 46; c. 3. POLITICAL SCIENCE, LAW. J.D., Chicago, 49. Asst. prof. polit. sci, Kent State, 49-53, assoc. prof, 53-59, prof, 59-67, dean honors col, 60-67; PROF. POLIT. SCI. & DEAN COL. ARTS & SCI, ILLINOIS STATE, 67- Found. Econ. Ed. fel, 53. Mem. exec. cmt, Nat. Collegiate Honors Coun, 66-68; adv. placement prog. cmt, Col. Entrance Exam. Bd, 67-68; Coun. Cols. Arts & Sci, 67-; Am. Conf. Acad. Deans, 67- U.S.A., 42-46, Res, 46-64, Maj. Polit. Sci. Asn. Civil rights; constitutional theory; theory of legal institutions. Publ: John Locke: twentieth century liberal, Am. Bus. Law J, 1/64; Motivating students in honors courses, Proc. First Annual Meeting Nat. Collegiate Honors Coun, 67; Theory and methodology and behavioral science: a comment, Ill. State Univ. J, 2/68. Address: 1021 Gregory St, Normal, Ill. 61761.
- OLSEN, LEIF H, b. Notteroy, Norway, Mar. 31, 26; U.S. citizen; m. c. 4. ECONOMICS. B.A., Oklahoma, 51. Financial writer, Wall Street J, 52-55; New York Times, 55-56; chief pub. info. div, Fed. Reserve Bank New York, 56-58; v-pres, M.A. Schapiro & Co, Inc, 58-62; asst. v-pres. econ, FIRST NAT. CITY BANK, 62, v-pres, 62-65, SR. V.PRES. & ECONOMIST, 65- Tech. consult. cmt. domestic econ, Bus. Coun. Mem. consult. cmt. bank economists to the comptroller, Currency's Nat. Adv. Cmt. Banking Policies & Practices. Address: First National City Bank, 399 Park Ave, New York, N.Y. 10022.
- OLSEN, DR. LEIF O(LE), b. Copenhagen, Denmark, Mar. 22, 21; nat; m. c. 49. PSYCHOLOGY. B.A., N.Y. Univ, 49, M.A., 50, Ph.D.(psychol), 60. Personnel mgr, surg. prods. div, Am. Cyanamid Co, 50-53, staff asst, corp. hq, 53-55; dir. personnel, Am. Cancer Soc, 55-57; mgr. personnel develop, plastics div, Allied Chem. Corp, 57-61, consult. psychologist, 61-67; PRES. EXEC. RESOURCE ASSOCS, INC, 68- U.S.A., 42-46, Sgt. Psychol. Asn. Executive evaluation; development and counseling; management motivation and organization dynamics. Publ: Co-auth, Internships in the development of people, Personnel J & Some dogmas of development: facts or fallacies, Personnel Admin. Address: P.O. Box 521, Mantoloking, N.J. 08738.
- OLSEN, PROF. LEROY C(HARLES), b. Fullerton, N.Dak, June 22, 21; m. 46; c. 2. PSYCHOLOGY. Ph.B., North Dakota, 48, M.S., 49, Ed.D.(psychol), 55. Head psychol. dept, State Norm. & Indust. Col, N.Dak, 50-54, asst. counsr. PSYCHOL, North Dakota, 54-55; instr. & counsr, WASHINGTON STATE, 55-56, asst. prof, 56-60, assoc. prof, 61-66, PROF, 66- U.S.N., 39-45. Psychol. Asn. Personality; learning; testing. Publ: Development and standardization of a projective occupational attitudes test, U.S. Dept. Health, Ed. & Welfare, 66; Religious values and counselor fantasies, J. Gen. Psychol, spring 66; co-auth, Stability and realism of occupational aspiration in eighth and twelfth grade males, Voc. Guid. Quart, 12/67. Address: 1800 Clifford St, Pullman, Wash. 99163.
- OLSEN, DR. MARJORIE A(NN), Psychol, see 10th ed, Soc. & Behav. Vols. Latest known address: 723 Second St. S.E., Little Falls, Minn. 56345.

OLSEN, DR. MARVIN E(LLIOTT), b. Hamilton, N.Y., Apr. 18, 36; m. 56; c. 3. SOCIOLOGY. B.A. Grinnell Col. 57; M.A. Michigan, 58, Nat. Inst. Ment. Health fel. 63-65, Ph.D.(sociol.), 65. Instr. SOCIOL, Michigan, 63-65; ASST. PROF, INDIANA, 65-, dir. Indianapolis area study, 67-68. Vis. asst. prof, Oregon, summer 67. U.S.A.F. 58-62. Sociol. Assn. Participation in political and social activities; national political development; political alienation; social organizational theory. Publ: The process of social organization, Holt, 68. Address: Dept. of Sociology, Indiana University, Bloomington, Ind. 47401.

OLSEN, PROF. PAUL C(RANDALL), b. Seattle, Wash, Dec. 21, 96; m. 23; c. 3. MARKETING, ACCOUNTING. A.B. Washington (Seattle), 18; A.M. Pennsylvania, 22, Ph.D.(econ), 30. Instr. merchandising, Wharton Sch, Pennsylvania, 20-21; lectr. advert. & salesmanship, Lehigh, 21-23; acct. & mkt. Phila. Col. Pharm, 23-57; PROF. PHARM. ADMIN, BROOKLYN COL. PHARM, LONG ISLAND, 57- Lectr. sch. bus. Columbia, 29-42; col. pharm. Rutgers, 39-54; dir. Inst. Distribution, 34-51; Topics Pub. Co., 51- U.S.N.R., 18-19. Mkt. Assn; Econ. Assn; Statist. Assn; Am. Acct. Assn; Pharmaceut. Assn. Market research; statistics. Publ: Marketing drug products; Cost accounting, tax accounting, auditing methods, Lassers Handbook Acct; Retailers manual of taxes and regulations. Address: 14 Sutton Place S, New York, N.Y. 10022.

OLSEN, DR. RONALD R, b. La Crosse, Wis, June 9, 27; m. 49; c. 3. ECONOMICS. M.A. Wisconsin, 50, Ford Found. fel. & Ph.D., 57. Economist, Am. Fedn. State, County & Munic. Employees, 52-53; asst. prof. ECON, Ohio, 53-58; KANSAS, 58-64, ASSOC. PROF, 64-, CHMN. DEPT, 62- U.S.A., 45-46. Econ. Assn; Indust. Rels. Res. Assn. Labor economics; economics of industry; government and business. Address: Dept. of Economics, University of Kansas, Lawrence, Kans. 66044.

OLSEN, DR. ALAN P(ETER), b. Hillrose, Colo, Dec. 28, 26; m. 56; c. 2. ANTHROPOLOGY, ARCHAEOLOGY. B.A. Colorado, 51; Wenner-Gren fel, Arizona, 58, Ph.D., 59. Curator anthrop. & ed. bull. series, Mus. North. Ariz., 59-64; ASST. PROF. ANTHROP, DENVER, 64- U.S.A.A.F. 44-45. Fel. Anthrop. Assn; Soc. Am. Archaeol. Southwestern archaeology; method and theory; Mexico. Publ: Co-auth, Archaeological traverse survey in West-Central New Mexico, In: Pipeline archaeology; auth, A history of the phase concept in the Southwest, Am. Antiq., 62. Address: Dept. of Anthropology, University of Denver, Denver, Colo. 80210.

OLSON, PROF. ALBERT L(AVERNE), Econ, see 10th ed, Soc. & Behav. Vols.

OLSON, DR. ARNOLD ORVILLE, b. Winburne, Pa, Mar. 8, 17; m. 45; c. 8. SOCIOLOGY, SOCIAL PSYCHOLOGY. A.B. Col. Emporia, 42; B.D. Vanderbilt, 44; Ph.D.(sociol.), Yale, 53. Clergyman, Methodist Church, N.Y., 47-61, dist. supt, 61-67; ASST. PROF. SOCIOL, INDIANA, FT. WAYNE CAMPUS, 67- Sociol. Assn. Introductory sociology; history of social thought. Publ: Social classes and church membership, Soc. Action, 5/46. Address: Dept. of Sociology, Indiana University, Ft. Wayne Campus, Ft. Wayne, Ind. 46805.

OLSON, DR. DAVID M(ARTIN), b. Westwood, Calif, Feb. 5, 30; m. 59; c. 2. POLITICAL SCIENCE. B.A. California, Berkeley, 52, M.A. 58, Ph.D.(polit. sci), 62; Stockholm, 56-57; Am. Polit. Sci. Assn. Congressional fel, 60-61. Asst. prof. POLIT. SCI. Texas, Austin, 61-67; ASSOC. PROF, GEORGIA, 67- Am. Polit. Sci. Assn. study fel, 65-66. Polit. Sci. Assn. Political parties; legislative behavior. Publ: Nonpartisan elections: a case analysis, Univ. Texas, 66; Community leadership: directions of research, Admin. Sci. Quart, 64; The structure of electoral politics, J. Polit, 67. Address: Dept. of Political Science, University of Georgia, Athens, Ga. 30601.

OLSON, DR. EDWIN H(ERBERT), JR, b. Bismarck, N.Dak, Apr. 30, 24; m. 48; c. 2. PSYCHOLOGY. A.B. Hamline, 48; M.A. Denver, 49, Ph.D. 53. Counsr, Denver, 53-54; asst. prof. PSYCHOL, Col. of Puget Sound, 54-57; LAWRENCE, 57-61, ASSOC. PROF, 61-, DIR. COUNSELING, 57-, CHMN. DEPT. PSYCHOL, 66- Consult. psychologist, Winnebago State Hosp, 62-64; Outagamie County Hosp, 64- U.S.N. 43-46, 50-52. Psychol. Assn. Counseling and guidance. Address: Dept. of Psychology, Lawrence University, Appleton, Wis. 54911.

OLSON, DR. ERIC H(ERBERT), b. Dalarna, Sweden, Mar. 17, 23; nat. POLITICAL SCIENCE. A.B. Syracuse, 47, fel. 48-49, M.A. 51, summer fel, 55, Ph.D.(polit. sci), 62; Soc. Sci. Res. Coun. fel, Northwestern, 56-57; Luther fel, 60. Asst. Syracuse, 48-49, instr. polit. sci, 49-51; ASSOC. PROF. SOC. SCI, CARTHAGE COL, 53-, ASST. TO PRES, 57-, chmn. dept. soc. sci, 54-56, div. soc. studies, 55. Mem. adv. coun. Ill. Citizenship Clearing House; Congressman Findley, Ill. U.S.A. 43-46, Sgt. Polit. Sci. Assn; Soc. Pub. Admin; Acad. Polit. & Soc. Sci; Inst. Mediterranean Affairs. International relations; comparative politics and government; political theory; political institutional transfer in West Africa, especially in Sierra Leone. Address: Dept. of Political Science, Carthage College, Kenosha, Wis. 53140.

OLSON, ERNEST C, b. Chicago, Ill; m. 43. ECONOMICS. Economist, U.S. War Prod. Bd, 42-44; U.S. Dept. State, 44-47; div. int. finance, bd. of gov. Fed. Reserve Syst, 47-55; econ. dept, Bank of Am, 56-62, chief int. res. sect, 59-62, consult. economist, 62-66; ECONOMIST, RES. DEPT, FED. RESERVE BANK OF SAN FRANCISCO, 66- Mem. Fed. Reserve Syst. Mission, Guatemala, 49, Paraguay, 51; Spec. World Bank Mission, Ecuador, 57; adv. Cent. Reserve Bank, El Salvador, 61 & 64; Govt. Nicaragua, 62. Econ. Assn; Finance Assn. International trade and finance; money; banking; monetary and fiscal policy. Publ: Bank of Japan, In: Encyclop. Britannica; co-auth, Public finance and economic development in Guatemala; auth, Factors affecting international differences in production, Papers & Proc. Am. Econ. Assn. Address: San Rafael, Calif. 94901.

OLSON, PROF. FRED LEWIS, Agr. Econ, see 10th ed, Soc. & Behav. Vols.

OLSON, DR. GORDON W(ILLIS), b. St. Paul, Minn, Apr. 10, 25; m. 46; c. 3. CLINICAL PSYCHOLOGY. B.A. Minnesota, 49, M.A. 53; Ph.D. Iowa, 57. Psychologist, Hastings State Hosp, Minn, 49-54; CHIEF PSYCHOLOGIST, ANOKA STATE HOSP, 57- U.S.A.A.F. 43-46, 2nd Lt. Psychol. Assn. Diag-

nosis, prognosis and treatment of mental illness. Publ: Failure and subsequent performance of schizophrenics, J. Abnorm. & Soc. Psychol; Improvement and release following prefrontal lobotomy; Intermittent chemotherapy for chronic psychiatric inpatients, J. Nervous & Ment. Disorders. Address: Box 511, Anoka, Minn. 55303.

OLSON, HOWARD C(HARLES), b. Glenwood, Minn, Mar. 20, 18; m. 57; c. 5. PSYCHOLOGY. B.S. N.Dak. State, 41; North Carolina, 48-50; M.S. N.C. State, 49. Instr. psychol, N.C. State, 50-52; sr. scientist, HumRRO, George Washington, 52-62; MEM. TECH. STAFF, RES. ANAL. CORP, McLEAN, 62- U.S.A., 42-46, Lt. Col. Psychol. Assn; Opera. Res. Soc. Industrial psychology; information handling; operations research. Address: 4201 Pineridge Dr, Annandale, Va. 22003.

OLSON, IRENE M(ARION), b. Minneapolis, Minn, Dec. 18, 09. PSYCHOLOGY. B.S. Minnesota, 31, M.A. 45. Teacher, pub. schs, Minn, 31-41; asst. col. ed, Minnesota, 42-43; psychologist, State of S.Dak, 42-43; State Psychol. Bur, Minn, 43-47; DIR, MINNEAPOLIS VOC. GUID. SERV, 47- Psychol. Assn; fel, Asn. Ment. Deficiency; Personnel & Guid. Assn. Mental deficiency; counseling. Address: 250 S. Fourth St, Minneapolis, Minn. 55415.

OLSON, DR. JAMES R. G, b. Minneapolis, Minn, June 13, 25; m. 58; c. 3. ECONOMICS. B.B.A. Minnesota, 48, M.A. 49, Ph.D.(econ), 65. Instr. econ, Minnesota, 49-53; economist, Int. Milling Co, 53-58; asst. prof. mgt, Illinois, 58-65; DEAN SCH. BUS, MILLIKIN, 65- U.S.A.A.C. 43-46, Maj. Econ. Assn. Managerial economics; management. Address: School of Business, Millikin University, Decatur, Ill. 62522.

OLSON, KENNETH G(EOGE), b. Minneapolis, Minn, July 22, 28; m. 49; c. 5. POLITICAL SCIENCE. B.A. Minnesota, 48, M.A. 50; Charles Univ, Prague, 48; fel, Harvard, 50-54. Newspaper reporter, St. Paul Pioneer Press, 44-46; asst. polit. sci, Minnesota, 49-50; Bennington Col, 51; tutor govt, Harvard, 51-54; instr. intel, U.S. Naval Intel. Sch, 57-58; fel, Soc. Sci. Res. Coun, 58-59; asst. prof. govt, Smith Col, 59-63; consult, Small Bus. Admin, 63-64; OWNER & DIR, K.G. OLSON & ASSOCs, WASH, D.C. 64- Vis. lectr, Mt. Holyoke Col, 60; Am. Polit. Sci. Assn. congressional fel, 62-63; lectr, U.S. Civil Serv. Cmn, 64-67; assoc. prof. lectr, George Washington, 65-66. Consult, cmt. tech. coop. & investment, White House Conf. Int. Coop, 65; U.S. Agency Int. Develop, 65- Trustee, Forbes Library, Mass, 61-63. U.S.N.R., 54-58, Lt. Polit. Sci. Assn. Political behavior; political parties; American national government; sociology. Publ: The service function of the U.S. Congress, Am. Inst. Pub. Policy Res, 65; co-auth, Congress: the first branch of government, Doubleday, 67; auth, Congress and military policy, (in press), Little. Address: 1000 Connecticut Ave, Washington, D.C. 20036.

OLSON, DR. LeROY A, b. Cumberland, Wis, Nov. 11, 31; m. 56; c. 2. EDUCATIONAL PSYCHOLOGY. B.S. Wis. State, Superior, 53; Knapp fel, Wisconsin, 55, M.S. 56, univ. fel, 57, univ. scholar, 58, Ph.D. (tests & measurement), 60. Instr. high sch, Wis, 53; Minn, 56-57; res. assoc. instrnl. studies, bur. instrnl. res, Minnesota, 59-61; asst. prof. ED. EVAL. OFF. EVAL. SERV, MICH. STATE, 61-65, ASSOC. PROF, 65- U.S. Off. Ed. fel. ed. res, 68-69; summer intern, Minneapolis Honeywell Res. Lab, 57. U.S.A.F. 53-55, 1st Lt. Ed. Res. Assn; Psychol. Assn; Statist. Assn; Asn. Instrnl. Res; Nat. Coun. Measurement Ed; Psychomet. Soc. Concept attainment; tests and measurement in education; attitudes and aptitudes of university students; statistical techniques in educational measurement, test and item analysis. Publ: Concept attainment of high school sophomores, J. Ed. Psychol, 6/63; Living-learning units, as seen by the faculty, J. Higher Ed, 2/64; Attitudes of students and resident assistants in university residence halls, Col. Student Surv, Vol. 1, No. 2. Address: Office of Evaluation Services, Michigan State University, East Lansing, Mich. 48823.

OLSON, LOIS, b. Chicago, Ill, Sept. 25, 99. GEOGRAPHY. B.S. Chicago, 21, M.A. 26; London Sch. Econ, 33-34. Teacher, high sch, Ohio, 21-26; asst. Am. Geog. Soc, 27-31; geog. ed, Soc. Sci. Abstracts, 31-33; asst. textile work assignment bd, U.S. Dept. Labor, 34-35; head erosion hist. sect, climate & physiog. div, soil conserv. serv, U.S. Dept. Agr, 35-43; res. analyst, Off. Strategic Serv, D.C. London, Eng. & Paris, France, 43-45; geogr, U.S. Dept. State, 45-47; U.S. Govt, 48-62. Asn. Am. Geog. fel. Am. Geog. Soc; Soc. Woman Geog.(treas, 54-57); Hist. Assn; Soil Conserv. Soc; Agr. Hist. Soc. Geographic and historical aspects of soil conservation; agricultural history. Address: 3217 Aberfoyle Place, N.W, Washington, D.C. 20015.

OLSON, DR. MANCUR LLOYD, JR, b. Grand Forks, N.Dak, Jan. 22, 32; m; c. 2. ECONOMICS. B.S. N. Dak. State, 54; Rhodes scholar, Oxford, 54-56, M.A. 56; Soc. Sci. Res. Coun. fela, Harvard, 58-60, Ph.D. 63. Faculty assoc, Center Int. Studies & asst. prof. econ, Princeton, 63-67; DEP. ASST. SECY. SOC. INDICATORS, DEPT. HEALTH, ED. & WELFARE, 67- Consult, econ. dept, Rand Corp, 63- U.S.A.F. 61-63, 1st Lt. Publ: The economics of wartime shortage, Duke, 63; The logic of collective action: public goods and the theory of groups, Harvard, 65; co-auth, An economic theory of alliances, Rev. Econ. & Statist, 8/66. Address: Dept. of Health, Education & Welfare, Washington, D.C. 20201.

OLSON, PROF. M(ARGARETTE) ADELIN, b. Minn; m. 42; c. 1. CLINICAL PSYCHOLOGY, COUNSELING. B.S. North Dakota, 44, M.S. 48, Ph.D.(psychol), 51; Columbia, 56; Southwest. State Col.(Okla), 66-67. Instr. bus, Mary Hardin-Baylor Col, 44-45; prin. & field supt, Gulf Coast Bus. Schs. Tex, 45-47; acting head bus. ed, North Dakota, 47-56; prof. bus. ed. & psychol. & chmn. dept, Mayville State Col, 56-62; dean women, Chadron State Col, 62-65; clin. psychologist, Hastings State Hosp, Ingleside Nebr, 65-66; PROF. PSYCHOL, SOUTHWEST. STATE COL.(OKLA), 66- Resident, Jamestown State Hosp, 65; Human Rels. Workshop grant, Oklahoma, 67. Psychol. Assn; Personnel & Guid. Assn. Psychology; motor skills and time and motion study. Address: Dept. of Psychology, Southwestern State College, Weatherford, Okla. 73096.

OLSON, MERRITT WAYNE, b. Wausau, Wis, Dec. 6, 24; m. 50; c. 3. EXPERIMENTAL PSYCHOLOGY, HUMAN ENGINEERING. B.S. Lawrence Col, 49; M.A. Lehigh, 51. Instr. radio & tel, Wisconsin, 42-43; asst. appl. psychol, Lehigh, 49-51; psychologist human eng, Vestal Labs, Int. Bus. Mach. Corp,

51-54, mgr. human factors res, 54-56, human factors & opers. res, Owego Lab, 56-59; asst. mgr. int. res, Fed. Sys. Div. Strategic Air Command Hqs, Omaha, Nebr, 59-60, sr. analyst mil. sys. res, Owego Lab, N.Y. 60-62, mgr. aircraft sys. mil. sys. design, 63-64; res. staff mil. sys. RAND CORP, 62-63, Rand liaison, tactical air force structure, Hqs. Tactical Air Command, Langley Air Force Base, Va, 64-67, SCI. ADV. TO DIR. U.S. AIR FORCE OPERS, PENTAGON, Hqs. U.S. AIR FORCE, VA, 67- U.S.A.A.F, 43-45. Psychol. Asn. Perceptual theory and illusions; tracking and radar scope interpretation. Publ: Influence of inertia in making settings on a linear scale & Use of levers in making settings on a linear scale, J. Appl. Psychol; co-auth, RM-4470, tactical bombing systems, Rand Corp, 2/65. Address: 12106 Stirrup Rd, Reston, Va. 22070.

OLSON, PROF. OSCAR A, b. Hankinson, N.Dak, Nov. 5, 99; m. 35; c. 1. ECONOMIC. B.S, North. State Teachers Col, 28; A.M. Iowa, 32, Ph.D.(econ), 39. Prin, high sch, S.Dak, 28-33, supt, pub. schs, 33-38; asst. prof. ECON, McPherson Col, 39-43; Denison, 43-45; PROF, MCPHERSON COL, 45- Econ. Asn. Business and economic stabilization. Address: Dept. of Economics & Business Administration, McPherson College, McPherson, Kans. 67460.

OLSON, PROF. PAUL R, b. Red Oak, Iowa, Apr. 5, 00. ECONOMICS, B.S, Iowa, 22, A.M. 28, Ph.D. 31. Instr. ECON, IOWA, 29-35, asst. prof, 35-44, assoc. prof, 44-48, PROF, 48-, head dept, 50-65. Econ. Asn. International economics and commercial policy; Pan-American and world economic problems. Address: Dept. of Economics, University of Iowa, Phillips Hall, Iowa City, Iowa 52240.

OLSON, DR. PHILIP G(ILBERT), b. Racine, Wis, Feb. 16, 34; m. 55; c. 3. SOCIOLOGY, ANTHROPOLOGY. B.A, Arizona, 54, M.A. 56; Ph.D.(sociol, econ), Purdue, 59. Instr. sociol, Purdue, 57-59; asst. prof. sociol. & anthrop, Connecticut, 59-61; CLARK, 61-64, ASSOC. PROF. SOCIOL, 64-, CHMN. DEPT, 66- Sociol. Asn; Anthropol. Asn. American community; urban structure; American culture, its economic, social and historical components. Publ: America as a mass society, Macmillan, 63; The study of modern society, Random, 68; Job mobility and migration, Purdue Res. Bull. Address: Dept. of Sociology, Clark University, Worcester, Mass. 01610.

OLSON, PROF. RALPH E(UGENE), b. Newman Grove, Nebr, Aug. 23, 14; m. 41; c. 3. GEOGRAPHY. A.B, Nebr. Wesleyan, 35, hon. D.Sc. 52; M.A, Nebraska, 37; fel, Clark, 37-38, Ph.D.(geog), 46; Am. Field Serv. fel, Grenoble, 38, Paris, 38-39. Reader geog, Nebr. Wesleyan, 33-35; asst, Nebraska, 35-37, instr, 40-41; asst, Clark, 37-38; acting head dept, Minn. State Teachers Col, Moorhead, 39-40; jr. airways engr, U.S. Army Air Force, D.C. 42; asst. prof. geog. & geol, Western Reserve, 46-47; assoc. prof. GEOG, OKLAHOMA, 47-52, PROF, 52-, chmn. dept, 56-64, res. inst. res. grant, 67-68. Vis. prof, Clark, 49; Nebraska, 58; sr. res. officer, opers. res. off, Hopkins, 50-51; Fulbright vis. prof, Utrecht, 67-68. U.S.A, 42-45, Lt. Asn. Am. Geog. fel. Am. Geog. Soc; Nat. Coun. Geog. Ed. Geography of Western Europe, especially the Benelux countries; political geography of Europe; geography of the Great Plains region of the United States; water and other resource use. Publ: Luxembourg, a study in political geography, Clark Univ. Bull; Water for practically everybody, Proc. Okla. Acad. Sci; Literature of regional geography, Nat. Coun. Geog. Ed. Address: 2524 Meadowbrook Dr, Norman, Okla. 73069.

OLSON, DR. RICHARD E(DWARD), b. Kearney, Nebr, Dec. 26, 32; m. 58; c. 2. ECONOMICS. B.S, Nebraska, 55, M.S. 61, Ph.D.(econ), 65. Asst. prof. econ, Wichita State, 64-68; ASSOC. PROF. FINANCE, ALABAMA, 68- Mem, Transportation Res. Forum. U.S.A.F, 56-59, Capt. Econ. Asn. Transportation, especially, air transportation. Address: Dept. of Economics, University of Alabama, University, Ala. 35486.

OLSON, ROBERT, b. Hector, Minn, Oct. 28, 21; m. 45; c. 3. AGRICULTURAL ECONOMICS. B.A, Gustavus Adolphus Col, 43; M.S, Minnesota, 48. Instr. econ, Minn. Sch. Bus, 46-47; asst. agr. econ, Minnesota, 48-50, res. assoc, 50-52; agr. economist, bur. agr. econ, U.S. Dept. Agr, 52-53, agr. mkt. serv, 53-56; secy, West. Agr. Econ. Res. Coun, 56-60; head mkt. info. & statist, mkt. econ. div, econ. res. serv, U.S. Dept. Agr, 60-62, chief, mkt. struct. & costs br, 62-63, asst. dir, mkt. econ. div, 63-66; dir. div. commercial agr, Nat. Adv. Cmn. Food & Fiber, 66-67; SR. AGR. ECONOMIST, STANFORD RES. INST, 68- Vis. lectr, grad. sch. bus. admin, Harvard, 64-65. U.S.N.R, 43-46, Res, 46-. Lt. Comdr. Agr. Econ. Asn; Econ. Asn. Agricultural marketing, especially resources employed, prices, productivity, market structure and information, marketing costs and functions and transportation economics; domestic and international agricultural development; marketing; agribusiness. Publ: Food and fiber for the future, Nat. Adv. Cmn. Food & Fiber, 7/67. Address: Stanford Research Institute, Menlo Park, Calif. 94025.

OLSON, PROF. RONALD L(EROY), b. Mankato, Minn, Dec. 8, 95; m. 21. ANTHROPOLOGY. A.B, Washington (Seattle), 25, A.M. 26, Ph.D.(anthrop), California, 29. Asst. curator, S.Am. archaeol, Am. Mus. Natural Hist, 29-31, res. assoc, 31-35; PROF. ANTHROP, CALIFORNIA, BERKELEY, 31- Mem. ethnog. expeds, Wash, 25-27; Alaska, 33-34; B.C. Can, 35-; archaeol. expeds, Calif, 27-28; Peru, 30. U.S.M.C, 17-19. AAAS; Anthropol. Asn; Soc. Appl. Anthropol; Soc. Archaeol. Anthropology of South America, Alaska, British Columbia and California. Publ: Quinault Indians, Univ. Washington, 67; Social structure...of the Tlingit, Univ. California, 67. Address: Dept. of Anthropology, University of California, Berkeley, Calif. 94720.

OLSON, DR. RUSSELL O(SCAR), b. Hector, Minn, Oct. 24, 17; m. 44; c. 3. AGRICULTURAL ECONOMICS. B.S, Minnesota, 46, M.S. 47; Ph.D.(agr. econ), Iowa State, 51. Asst. prof. econ, S.Dak. State Col, 47-49; agr. economist, agr. res. serv, U.S. Dept. Agr, 50-55; assoc. prof. agr. econ, Ohio State, 55-59, prof, 59-61, adv. & group leader, Ohio State-Int. Coop. Admin, 55-59; br. chief, Food & Agr. Orgn, UN, Rome, Italy, 61-65; CHIEF AGR. DIV, AGENCY INT. DEVELOP, INDIA, 65- U.S.A.A.F, 42-45. Agr. Econ. Asn. Production economics; farm management and economic development of underdeveloped areas. Address: U.S. Agency for International Development, American Embassy, New Delhi, India.

OLSON, DEAN WILLARD C(LIFFORD), b. Annandale, Minn, Oct. 8, 99; m. c. 1. PSYCHOLOGY. B.A, Minnesota, 20, M.A. 24, Ph.D.(ed. psychol), 26. Prin. & supt, schs, Minn, 20-23; asst. & instr. ed. psychol, Minnesota, 24-26, Nat. Res. Coun. fel, 26-27, asst. prof, 27-29, assoc. prof. ED. MICHIGAN, 29-35, PROF, 35-, PSYCHOL, 46-, DEAN SCH. ED, 52-, dir. res. child develop, 29-52. Lectr, Chicago, 39-40. Pres, Am. Ed. Res. Asn, 48. U.S.A, 18. Fel. Psychol. Asn.(secy, 37-45); fel. Orthopsychiat. Asn.(v.pres, 35); Soc. Res. Child Develop.(pres, 49); Inter-Am. Soc. Psychol.(pres, 55). Time sampling methods; child development and growth. Publ: Child development. Address: School of Education, University of Michigan, Ann Arbor, Mich. 48104.

OLSSON, PROF. GUNNAR, b. Ekshäräd, Sweden, Sept. 11, 35; m. 62; c. 1. GEOGRAPHY. Fil. Kand, Uppsala, 60, Fil. lic, 65, Fil. dr, 68; Swedish Coun. Soc. Sci. Res. fel, 61-68; Am. Coun. Learned Soc. fel, Pennsylvania, 63-64; Swedish State fel, 65-66. Lectr. human geog, Uppsala, 64-65; asst. prof. GEOG, MICHIGAN, 66-67, ASSOC. PROF, 67- Swedish Army. Swedish Soc. Anthrop. & Geog; Regional Sci. Asn; Asn. Am. Geog. Model building in human geography. Publ: Distance and human interaction: a review and bibliography, Regional Sci. Res. Inst, Phila, 65; Distance and human interaction: a migration study, Geografiska Annaler, 65; Central place theory, spatial interaction, and Stochastic processes, Papers & Proc. Regional Sci. Asn, 67. Address: Dept. of Geography, University of Michigan, Ann Arbor, Mich. 48104.

OLTMAN, DR. PHILIP KARL, b. Moline, Ill, Sept. 27, 38. PSYCHOLOGY. B.A, Illinois, 60; Ph.D.(psychol), Yale, 65. INSTR. PSYCHIAT, STATE UNIV. N.Y. DOWNSTATE MED. CENTER, 65- Psychol. Asn. Perception; cognition; personality relationships. Publ: Field dependence and arousal, 64 & co-auth, Field dependence and eye dominance, 67, Perceptual & Motor Skills; co-auth, Cognitive style, Int. J. Neurol, 68. Address: Dept. of Psychiatry, State University of New York Downstate Medical Center, 450 Clarkson Ave, Brooklyn, N.Y. 11203.

OLTMAN, DR. RUTH MARIE, b. Cleveland, Ohio, Jan. 12, 13. COUNSELING, INDUSTRIAL PSYCHOLOGY. A.B, Oberlin Col, 34; M.A, Western Reserve, 51, Ph.D. 61. Contact rep, Vet. Admin, 47-51; admin. asst, U.S. Naval Finance Center, Ohio, 51-55; voc. counsr. & psychologist, Voc. Guid. & Rehab. Serv, 55-62; DEAN WOMEN, BALDWIN-WALLACE COL, 62- Lectr. eve. col, Western Reserve, 52-53; Baldwin-Wallace Col, 62- Consult, Nat. Defense Ed. Act Inst. Student Personnel & Higher Ed, Mich. State, 67-68. W.A.V.E.S. 42-46, Res, 46-55, Lt. Psychol. Asn; Personnel & Guid. Asn; Nat. Asn. Women Deans & Counsr. Vocational evaluation; tests and measurements; student personnel. Address: 238 Rowan Dr, Berea, Ohio 44017.

OLTON, PROF. ROY, b. Richmond Hill, N.Y, Aug. 4, 22; m. 46; c. 2. POLITICAL SCIENCE. B.A, Ohio Wesleyan, 47; M.A, Fletcher Sch. Law & Diplomacy, 48, Ph.D. 54. Instr. POLIT. SCI, Mass. Inst. Tech, 49-54; asst. prof, 54-57; WESTERN MICHIGAN, 57-61, assoc. prof, 61-65, PROF, 65- U.S.A, 43-46, 1st Lt. Polit. Sci. Asn; Int. Studies Asn. American foreign policy; international relations organization and law. Address: Dept. of Political Science, Western Michigan University, Kalamazoo, Mich. 49001.

OLUM, DR. VIVIAN, b. New York, N.Y, May 14, 22; m. 42; c. 3. CHILD PSYCHOLOGY. B.A, Swarthmore Col, 43; Radcliffe Col, 46-48; Sage fel, Cornell, 53-54, U.S. Pub. Health Serv. fel, 55-56, Ph.D.(psychol), 57. U.S. Pub. Health Serv. fel. psychol, Cornell, 57-59, res. assoc, 58-60, child develop. & family relationships, 60-61; fel. psychiat. & clin. child psychol, sch. med, Stanford, 66-67; trainee child psychiatrist, State Univ. N.Y. Upstate Med. Center, 67-68; private practice clin. child psychol, 67- Summer asst. prof, dept. psychol, Cornell, 68. Psychol. Asn; Soc. Res. Child Develop; Soc. Psychol. Study Social Issues; Int. Coun. Psychol. Psychopathology in childhood; personality theory; perceptual development and its relationship to psychopathology. Publ: Co-auth, Experimental methods of studying perception in children, In: Handbook of research methods in child development; auth, Developmental differences in the perception of causality, Am. J. Psychol; Developmental differences in the perception of causality under conditions of specific instructions, Vita Humana. Address: 424 Hanshaw Rd, Ithaca, N.Y. 14850.

O'MAHONY, JOSEPH E(DWARD), b. Indianapolis, Ind, Jan. 13, 25; m. 56; c. 3. ECONOMICS. B.S, Illinois, 46. Economist, off. econ. policy, Off. Price Stabilization, 51-52; U.S. DEPT. STATE, 52-55, FOR. SERV. OFFICER, 55- Lectr, Seoul Nat. Univ, 56. Dipl. to Korea, Hong Kong, India & Chile. U.S.A, 41-45. Economic development and stability; finance. Address: Santiago Foreign Service Office, U.S. Dept. of State, Washington, D.C. 20521.

O'MALLEY, SISTER MARY KENNETH, R.S.M, b. Clinton, Mass. Oct. 3, 08; EDUCATIONAL PSYCHOLOGY. A.B, Col. Misericordia, 31; M.Ed, Boston, 50; summer, Catholic Univ, 51 & 52; scholar, Boston, 53; fel, N.Y. Univ, 58. Ed. psychologist, Youth Counseling Serv, 46-50, psychologist, 55-58; clin. psychologist, Hazleton Ment. Health, Inc, 51-55; psychologist, counseling, ed. & guid. inst, Col. Misericordia, 60-66, instr, 53-54; DIR. GUID. & COUNSELING PSYCHOLOGIST, MERCY HOSP. SCH. NURSING, 66- Guid. dir, W. Side Cent. Cath. High Sch, 54- Psychol. Asn; Personnel & Guid. Asn; Acad. Relig. & Ment. Health; Int. Coun. Psychol. Problem of cerebral palsy, especially evaluation of psychological assets or liabilities; rehabilitation counseling with the handicapped, physical, intellectual, social and educational; reading disability due to an emotional blocking. Address: 196 Hanover St, Wilkes-Barre, Pa. 18703.

O'MALLEY, THOMAS RONALD, Indust. Psychol, see 10th ed, Soc. & Behav. Vols.

OMRCANIN, PROF. IVO, For. Lang, Polit. Sci, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

OMWAKE, DR. KATHARINE T(AIT), b. Washington, D.C, Nov. 5, 02. PSYCHOLOGY. A.B, George Washington, 24, A.M. 25, fel, 26-28, Ph.D.(psychol), 28. Asst. prof. PSYCHOL, Agnes Scott Col, 28-29; lectr, George Washington, 29-30; asst. prof, AGNES SCOTT COL, 30-43, ASSOC. PROF, 43- Vis. assoc. prof, George Washington, 43-49. Fel. Psychol. Asn. Test construc-

- tion personality; acceptance of self. Publ: Co-auth, Introduction to the fields of psychology; auth, Relationship between acceptance of self and acceptance of others shown in three personality inventories, J. Consult. Psychol. Address: Dept. of Psychology, Agnes Scott College, Decatur, Ga. 30030.
- ONDRECHEN, J(OHN) P(HILIP), b. U.S. June 17, 24; m. 51; c. 1. ECONOMICS, STATISTICS. A.B. Western Reserve, 48; M.A. Pennsylvania, 49. Instr. econ. statist. Lehigh, 49-51; ACTUARIAL STATISTICIAN, BETHLEHEM STEEL CO, 51- Lectr, Lehigh, 55. U.S.N.R. 44-46, Lt.(jg). Econ. Asn. Publ: Co-auth, Recession re-examined. Address: 2984 Avon Rd, Bethlehem, Pa. 18017.
- O'NEIL, PROF. JOHN TETTEMER, b. Henderson, N.C., July 25, 13; m. 37; c. 3. FINANCE. B.S. North Carolina, 34; Atlanta Alumni scholar. & M.B.A. Harvard, 36; Ph.D.(finance), Northwestern, 48. Security analyst, Tri Continental Corp, 36-37; treas, O'Neil's, Inc, 38; instr. econ, Lehigh, 38-40; acting prof, Moravian Col, 40; instr. statist, Northwestern, 40-43, asst. dean sch. commerce, 46-47; prof. finance & asst. dean sch. bus, North Carolina, 47-56; prof. bus. admin. & coordinator quant. controls bus, NORTHWESTERN, 56-67, PROF. FINANCE, 63- Fel, Joint Cmt. Ed. N.Y. Stock Exchange Mem. Firms, summer 48; vis. prof, N.C. Col, 48-50; res. dir, bus. execs. res. cmt, North Carolina, 52-53; Northwestern, 56-57; fel. & consult. finance, Scott Paper Co, 54-55; dir. mgt. develop. prog, Stanvac, Indonesia, 67; Prog. consult. & teacher, initial mgt. develop. res. proj, Bell Tel. Syst, 59, 60; mgt. develop, Ford Found, Egypt, 60. Gov. & mem. finance cmt, Univ. North Carolina Press, 50-56. U.S.A. 44-45. Finance Asn; Econ. Asn; Inst. Mgt. Sci. Quantitative methods; financial policy formulation; optimal capital budgeting. Publ: Policy formation in railroad finance, Harvard, 56; co-auth, Quantitative controls for business, Irwin, 65. Address: Dept. of Finance, School of Business, Northwestern University, Evanston, Ill. 60201.
- O'NEILL, DR. DAVE MICHAEL, b. New York, N.Y., Aug. 28, 33; m. 66. ECONOMICS. B.B.A. City Col. New York, 59; Ph.D.(econ), Columbia, 67. ASST. PROF. ECON, PENNSYLVANIA, 64- U.S.A. 53-55. Labor economics; economic growth. Publ: A note on product price and aggregation bias in estimating the elasticity of substitution, Rev. Econ. & Statist, 8/67. Address: Dept. of Economics, University of Pennsylvania, Philadelphia, Pa. 19104.
- O'NEILL, HARRY W(ILLIAM), b. Atlantic City, N.J., Jan. 30, 29; m. 52; c. 2. INDUSTRIAL & BUSINESS PSYCHOLOGY. B.A. Colgate, 50, M.S. Pa. State, 51. Staff psychologist, Klein Inst. Aptitude Testing, 56; res. analyst, Prudential Ins. Co. Am, 57-62; RES. DIR, OPINION RES. CORP, PRINCETON, 62- Instr, univ. col, Rutgers, 59- Med.Serv.C, 51-54, Res, 54-, Capt. Psychol. Asn; Asn. Pub. Opinion Res. Opinion and attitude measurement; political research; market research. Address: 2 Cleveland Ave, Highland Park, N.J. 08904.
- O'NEILL, DR. JACK, b. Cleveland, Ohio, Jan. 31, 34; m. 60; c. 2. INTERNATIONAL RELATIONS, POLITICAL SCIENCE. B.A. Calif. State Col. Long Beach, 62; M.A. Iowa, 64, Nat. Defense Ed. Act fel. & Ph.D., 67. ASST. PROF. POLIT. SCI, Tennessee State, 64-65; SAN FERNANDO VALLEY STATE COL, 66- Polit. Sci. Asn; Int. Polit. Sci. Asn. Comparative historical international systems; international stratification. Address: Dept. of Political Science, San Fernando Valley State College, 18111 Nordhoff St, Northridge, Calif. 91324.
- O'NEILL, PROF. JOHN J, Philos, see 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- O'NEILL, PROF. JOHN J(OSEPH), b. De Pere, Wis, Dec. 6, 20; m. 43; c. 4. AUDIOLOGY. B.S. Ohio State, 47; Ph.D., 51. Instr. speech, Ohio State, 49-51, asst. prof, 51-56, res. assoc. voice commun. res. found, 54-59, assoc. prof. speech & hearing, Univ. 56-59, asst. prof. otolaryngol, med. sch, 56-59; PROF. SPEECH DISORDERS & AUDIOL, ILLINOIS, URBANA, 59- Res. assoc. U.S. Naval Sch. Aviation Med, 53-54. Consult, State Dept. Health, Ohio, 56-59; N.Am. Aviation, Inc, 57-59; U.S. Air Force Sch. Aerospace Med, 60-62; bur. ed. for handicapped, U.S. Off. Ed, 67- Pres. Am. Bd. Exam. Speech Path. & Audiol, 67-69. Psychol. Asn; Acoustical Soc; fel. Speech & Hearing Asn. Psychophysical study of audition; voice communication, lipreading and projective testing of speech defective individuals; psychological aspects of speech and hearing disorders. Publ: Co-auth, Visual communication & auth, The hard of hearing, Prentice-Hall, 64; co-auth, Applied audiometry, Dodd, 66. Address: Speech & Hearing Clinic, 601 E. John St, Champaign, Ill. 61820.
- O'NEILL, JOHN J(OSEPH), JR, Econ, see 10th ed, Soc. & Behav. Vols.
- O'NEILL, DR. SYLVIA T(URLINGTON), b. Washington, D.C., Oct. 13, 28; m. 50; div; c. 3. PSYCHOLOGY. B.A. Swarthmore Col, 50; M.S. Cornell, 51, Col. Home Econ. fel, 53-54, Ph.D.(child develop, family rels), 55. Instr. PSYCHOL, Douglass Col, Rutgers, 54-57; asst. prof, TRENTON STATE COL, 60-66, ASSOC. PROF, 66- Psychol. Asn; Nat. Coun. Family Rel. Family relationships; mental health; personality theory; adolescence; sex education. Address: Dept. of Psychology, Trenton State College, Trenton, N.J. 08625.
- O'NEILL, DR. WILLIAM L, U.S. Soc. & Intellectual Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- ONLA, DR. JOHN, b. Geogul de Sus, Romania, Nov. 9, 21; U.S. citizen; m. 42; c. 2. SOCIOLOGY. B.S.M.E. Purdue, 59, M.S.M.E. 62, M.S.I.A. 64, Ph.D. (indust. rels), 66. Asst. prof. air. sci. & tactics, Lehigh, 48-51; Col. Holy Cross, 51-52; group inspector & detachment comdr, 527th air control & warning group, U.S. Air Force, 52-53, chief sage branch-ground, hq. air defense command, 55-57, radar br. res. & develop. adminstr, 59-62; asst. comptroller humanities, soc. sci. & ed, PURDUE, 63-65, asst. to dean, 65-66, ASSOC. PROF. SOCIOL. & ASST. DEAN HUMANITIES, SOC. SCI. & ED. 66- U.S.A.F., 42-62, Lt. Col. Mgt. Asn; Indust. Rel. Res. Asn; Sociol. Asn; Acad. Polit. & Soc. Sci. Automation and the worker; industrial organization; electronic command and control systems. Address: R.R. 1, Box 261A, West Lafayette, Ind. 47906.
- ONLEY, DR. JUDITH W(HEELER), Exp. Psychol, see 11th ed, Phys. & Biol. Vols.
- ONORATO, PROF. NICHOLAS LOUIS, b. South Barre, Mass, Feb. 24, 25; m. 47; c. 6. ECONOMICS, ACCOUNTING. B.S. Boston, 51; M.A. Clark, 52, Ph.D.(econ), 59. Instr. econ, Becker Jr. Col, 52-55; ECON, GOVT. & BUS, WORCESTER POLYTECH, 55-56, asst. prof, 56-59, assoc. prof, 59-66, PROF, 66-, ASSOC. PROF, SCH. INDUST. MGT, 55- Lectr, Clark, 60-61, vis. prof, 64-66. Consult, Coz Chem. Corp, 59- U.S.N. 43-46. Econ. Asn; Am. Acct. Asn; Finance Asn. International trade and growth; national income accounting; money and banking. Publ: Some limitations of conventional accounting data for managerial decision making, Nat. Asn. Acct-Mgt. Acct, 12/65; Problems of managing a high pressure economy, Torch Mag, 7/67. Address: Dept. of Economics, Government & Business, Worcester Polytechnic Institute, Worcester, Mass. 01609.
- ONSAGER, PROF. LARS, Chem, Phys, see 11th ed. Phys. & Biol. Vols.
- ONSTINE, DR. BURTON WARNER, b. Spokane, Wash, July 25, 31. POLITICAL SCIENCE. B.A. Reed Col, 54; Falk fel, North Carolina, 58-59; M.A. Washington (Seattle), 59; Ph.D.(polit. sci), North Carolina, Chapel Hill, 65. Instr. POLIT. SCI, Hofstra, 60-65, ASST. PROF, 65-66; PORTLAND STATE COL, 66- Mem, Hempstead Democratic Cmt, 65; Urban Studies Center Metrop. Study Cmn, 67-68. U.S.A.R. 50-58, Sgt. Polit. Sci. Asn. Urban research; systemic political theory; political behavior. Address: Dept. of Political Science, Portland State College, Portland, Ore. 97209.
- ONWUACHI, DR. PATRICK CHIKE, b. Zaria, North. Nigeria, Sept. 17, 28; m. 51; c. 6. ANTHROPOLOGY, MICROBIOLOGY. B.Sc. N.Dak. State Teachers Col, Dickinson, 57; M.A. St. Louis, 61, Ph.D.(anthrop), 63. Med. bacteriologist, St. Louis State Hosp, Mo, 59-63; asst. prof. anthropol, St. Louis, 63-64; ANTHROP. & SOCIOL, FISK, 64-66, ASSOC. PROF, 66- Lectr. psychiat, Meharry Med. Col, 66-; summer vis. prof. anthropol, Washington (St. Louis), 64-67. Fel. Anthropol. Asn; Soc. Clin. Path; fel. Soc. Appl. Anthropol; Sociol. Asn. Ethnology; social anthropology; African ethnography; cultural organization of religion; race and ethnic relations in the United States; medical technology. Publ: Co-auth, The place of anthropology in the future of Africa, Human Orgn, summer 66; auth, African traditional culture and western education, J. Negro Ed, summer 68; Identity and black power, Negro Digest, 3/67. Address: Dept. of Anthropology & Sociology, Fisk University, Nashville, Tenn. 37203.
- ONYEWU, DR. NICHOLAS DONATUS UKACHI, b. Owerri, Biafra, Jan. 20, 29; m. 63; c. 3. INTERNATIONAL RELATIONS. B.A. Howard, 58, univ. fel. African Am. Inst. fel, Phelps Stokes fel. & M.A. 62; Nigerian Govt. scholar. & Ph.D. American Univ, 64. Teacher, parochial sch, Nigeria, 45-46; head master, parochial sch, 52-54; exec. secy, African Students' Union, 60-61; assoc. prof, Southern Univ, 64-65; ASST. PROF. GOVT. & POLIT, MARYLAND, 65- Frances Bolton lectr, Howard, 67- Consult, Biafran Govt, 66- Mem. bus. coun. int. understanding, American Univ, 63- African Studies Asn; Int. Studies Asn; Polit. Sci. Asn; Int. Polit. Sci. Asn. African studies; contemporary theory of nation-building, especially emerging nations; Nigeria; Africa in world affairs; behavioral approach to international relations. Publ: Co-auth, The philosophy of Pan-Africanism, Georgetown Univ, 65; auth, The divisive nature of the Nigerian legal system, 4/65 & The relation of Nigerian foreign trade to its economic growth, 6/65, Nigerian Students Voice. Address: Dept. of Government & Politics, University of Maryland, College Park, Md. 20740.
- OOMS, DR. VAN DOORN, b. Chicago, Ill, Oct. 29, 34; m. 61; c. 2. ECONOMICS. B.A. Amherst Col, 56; B.A. Oxford, 58, M.A. 62; Ph.D.(econ), Yale, 66. Asst. Prof. ECON, Yale, 65-68; ASSOC. PROF, Swarthmore Col, 68- Econ. Asn. Development, international and southeast Asian economics. Publ: Models of comparative export performance, Yale Econ. Essays, spring 67. Address: Dept. of Economics, Swarthmore College, Swarthmore, Pa. 19081.
- OOSTERHOF, WILLIS M(ACKAY), b. New Era, Mich, Nov. 20, 66; m. 30; c. 4. STATISTICS. A.B. Hope Col, 28; fel. & M.A. Michigan, 29. Prin, Annville Inst, 29-32; soc. work supvr, Ionia Co. Emergency Relief Admin, 33-35; admin. asst, res. transciency, State Emergency Relief Admin, 35-39; asst. statistician, Works Prog. Admin, 39-43; procedures analyst, State Dept. Soc. Welfare, 43-44, supvr. div. res. & statist, 44-67; ASST. DIR. SOC. FOUND. SYSTS, BUR. ADMIN. SERV. STATE DEPT. SOC. SERV. 67- Statist. Asn. Comprehensive social and economic trends; administrative cost analysis. Address: State Dept. of Social Services, Lewis Cass Bldg, Lansing, Mich. 48913.
- OPARA, DR. P(ATRICK) A(DEBAYO) U(ZOMA), b. Oshogbo, Nigeria, Oct. 18, 29; m. 62; c. 2. SOCIOLOGY, INDUSTRIAL RELATIONS. B.A. St. Joseph's Col.(Ind), 59; M.S. Loyola (Ill), 61, fel. & Ph.D.(sociol), 64. Lectr. SOCIOL, Nigeria, 64-66; ASSOC. PROF, MORGAN STATE COL, 66- Sociol. Asn; Nat. Coun. Family Rel. Sociology of law; industrial sociology. Publ: Social area and Negro social participation, Nigeria J. Econ. & Soc. Studies, 65; Social distance attitude of Nigerian students, Phylon, 68. Address: 1658 Winford Rd, Baltimore, Md. 21212.
- OPLER, PROF. MARVIN K(AUFMANN), b. Buffalo, N.Y., June 13, 14; m. c. 2. ANTHROPOLOGY, SOCIOLOGY. A.B. Michigan, 35; fel. Columbia, 36-38, Ph.D.(anthrop), 38. Prof. anthrop. & sociol, Reed Col, 38-43; community analyst, war relocation authority, U.S. Dept. Interior, 43-46; prof. anthrop. & sociol, Occidental Col, 46-47; assoc. prof. anthrop, Stanford, 47-49; prof. soc. rels, Harvard, 49-51; prof. anthrop. & soc. psychiat, med. col, Cornell & Whitney Psychiat. Clin, N.Y. Hosp, 52-58; PROF. SOC. PSYCHIAT, SCH. MED. & PROF. SOCIOL. & ANTHROP, GRAD. SCH. STATE UNIV. N.Y. BUFFALO, 58- Soc. Sci. Res. Coun. awards, 47, 49; vis. prof, Tulane, 51; prin. investr, Midtown Manhattan Ment. Health Res. Study, 52-60; Nat. Inst. Ment. Health training grants, 60-; res. awards, Wenner-Gren Found. Anthropol. Res. & Human Ecol. Found, 63-64, 67. Ed. Int. J. Soc. Psychiat. Fel.

- Anthrop. Asn; Sociol. Asn; Soc. Study Social Probs; fel. Ethnol. Soc. Social psychiatry; social theory and world areas research. Publ: Co-auth, Acculturation in seven American Indian tribes, Appleton, 40; auth, Culture and social psychiatry, Atherton, 67; co-auth, Impounded people, Univ. Arizona, 67. Address: 22 Summerwood Court, Buffalo, N.Y. 14223.
- OPLER, PROF. MORRIS EDWARD, b. Buffalo, N.Y., May 16, 07; m. 57. ANTHROPOLOGY. A.B. Buffalo, 29, A.M. 30; Soc. Sci. Res. Coun. fel, Chicago, 32-33, Ph.D.(anthrop), 33. Asst. & res. assoc. anthrop, Chicago, 33-35; Gen. Ed. Bd. fel. study rels. between sch. & community, 35-36; asst. anthrop, Bur. Indian Affairs, 36-38; asst. prof. grad. sch, Claremont Colls, 38-45; ed, Harvard, 46-48; PROF. ANTHROP. & ASIAN STUDIES, CORNELL, 48-, dir. India Prog, 52-66. Vis. lectr, Reed Coll, 37-38; Guggenheim Found. fel, 42-43; soc. sci. analyst, War Relocation Authority, 43-44; Off. War Info, 44-45, dep. chief & chief for. morale anal. div, 45; vis. prof, Lucknow Univ, India, 52-53; fel, Center Adv. Studies Behav. Sci, 56-57; fel, Nat. Center Endowment for Humanities, 68-69. Fel. Anthropol. Asn. (pres. elect, 61-62, pres, 62-63); Soc. Appl. Anthropol. Ethnol. Soc; Asn. Asian Studies; Sociol. Asn. Ethnology of Apache tribes; culture history of the Southwest; cultures of India. Publ: An Apache lifeway, Univ. Chicago, 41; Myths and tales of the Chiricahua Apache Indians; Childhood and youth in Jicarilla Apache society, Southwest Mus, 46. Address: Dept. of Anthropology, Cornell University, Ithaca, N.Y. 14850.
- OPPE, DR. HUBERT WILHELM, b. Bremen, Germany, Nov. 1, 24; U.S. citizen; m. 50; c. 4. SOCIOLOGY. B.A. San Diego State Col, 54; M.A. California, Berkeley, 57, Ph.D.(sociol), 68. Supvr. German youth activities, U.S. Army & U.S. State Dept, 48-51; instr. SOCIOL, Col. Holy Names (Calif), 56-60; asst. prof, WEST TEXAS STATE, 63-66, ASSOC. PROF, 66-. V-pres, German Youth Parliament, Land Bremen, Germany, 48-51; mem. bd. dirs, Radio Bremen, 49-51. Consult, Potter-Randall Citizens Cmt, Amarillo, Tex, 65-66. Sociol. Asn. Processes of change in generation sequences. Address: Dept. of Sociology, West Texas State University, Canyon, Tex. 79015
- OPPENHEIM, PROF. FELIX E(RRERA), b. Frankfurt, Germany, June 14, 13; nat; m. 49; c. 3. POLITICAL SCIENCE. Heidelberg, 32-33; LL.D. Brussels, 38; Ph.D. Princeton, 42. Res. analyst, Off. Strategic Serv, 43-45; U.S. Dept. State, D.C, 46; Asst. prof, Delaware, 46-48, assoc. prof. polit. sci, 49-61, chmn. dept, 49-51; PROF. GOVT, MASSACHUSETTS, 61-. Vis. assoc. prof, Yale, 51-52; Stanford, 55, Guggenheim fel, 56-57; vis. prof, Amherst Col, 63-64; Univ. Turin, 56; Columbia Univ, 67; Fulbright lectr, Univ. Florence, 68. Belgian Army, 36-40; U.S.A., 42-45, 2nd Lt. Polit. Sci. Asn; Philos. Asn; Soc. Polit. & Legal Philos; Int. Inst. Polit. Philos. Systematic political philosophy; ethics and politics; political parties of western Europe, especially Belgium. Publ: Dimensions of freedom, St. Martins, 61; Moral principles in political philosophy, Random, 68; The natural law thesis: affirmation or denial? Am. Polit. Sci. Rev, 57. Address: Dept. of Government, University of Massachusetts, Amherst, Mass. 01002.
- OPPENHEIM, DR. HENRY, b. Nürnberg, Germany, Sept. 19, 26; nat; m. 50; c. 3. CLINICAL PSYCHOLOGY. B.S. City Col. New York, 49; M.A. North Carolina, 51; Ph.D. Kentucky, 55. Clin. psychologist, ment. hyg. clin, Vet. Admin. Regional Off, Cincinnati, Ohio, 55-56; VET. ADMIN. HOSP, 56-59, COORDINATOR CLIN. PSYCHOL, 59-, ASST. CHIEF PSYCHOL. SERV, 62-Consult, Mass. Rehab. Cmn, 64-; res. consult, sch. soc. work, Smith Col, 66- Dipl. clin. psychol, Am. Bd. Exam. Prfnl. Psychol, 65. U.S.A.A.F, 46-47. Psychol. Asn. Individual and group psychotherapy; projective techniques; psychodynamics of behavior pathology. Address: Psychology Service, Veterans Administration Hospital, Northampton, Mass. 01060.
- OPPENHEIM, THEODORE S(PIVEY), b. New York, N.Y., Oct. 27, 10; m. 41; c. 2. PSYCHOLOGY. B.A. Union (N.Y.), 30; B.D. Yale, 35; M.A. Colorado, 46; summer, Duke, 41. Instr. Eng. Doane Col, 39-41, asst. prof. psychol. & philos, 41-43, assoc. prof. psychol, 44-49, registr, 43-47; mem. staff, counseling center, Chicago, 51-53; PRIN. Cook Ave. Sch, 55-61; GASTEYER SCH, 61- Coordinator, Civil Aeronaut. Admin. Training Sch, 42-43. Psychol. Asn. Social and abnormal psychology; non-directive counseling. Address: 5836 Lynwood Dr, Oak Lawn, Ill. 60453.
- OPPENHEIMER, DR. VALERIE KINCADE, b. London, Eng, Oct. 25, 32; U.S. citizen; m. 65; c. 1. SOCIOLOGY, DEMOGRAPHY. B.A. Vassar Col, 54; Pop. Coun. fcls, California, Berkeley, 60-61, 62-63, Woodrow Wilson Found. fel, 61-62, M.A. 62, Ph.D.(sociol), 66. ASST. PROF. SOCIOL, Arizona, 63-66; ILLINOIS, CHICAGO, 67- Sociol. Asn; Statist. Asn; Pop. Asn. Am; Acad. Polit. & Soc. Sci. Labor force; sociology of occupations, family, methodology. Publ: The interaction of demand and supply and its effect on the female labour force in the United States, Pop. Studies, 11/67; The sex labeling of jobs, Indust. Rels, 5/68. Address: Dept. of Sociology, University of Illinois at Chicago Circle, Box 4348, Chicago, Ill. 60680.
- OPPITZ, PROF. ROBERT J(AMES), b. Birmingham, Ala, Aug. 5, 22; m. 49. FINANCE. A.B. McKendree Col, 47; M.A. Washington (St. Louis), 52. Instr. finance, Washington (St. Louis), 49-52, asst. prof. acct, 55-58; lectr, Northwestern, 52-55; asst. prof. FINANCE, Arizona State, 59-62; Cincinnati, 62-65; ASSOC. PROF, WESTERN KENTUCKY, 65-. U.S.A.A.F, 42-46. Econ. Asn; Finance Asn; Am. Econ. Asn. Business finance; accounting. Publ: Selected case problems in finance. Address: College of Commerce, Western Kentucky University, Bowling Green, Ky. 42101.
- OPSATA, JAMES B, b. St. Joseph, Mich, May 26, 08; m. 37; c. 1. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.S. Western Michigan, 31; M.A. American Univ, 49. Teacher, high sch, Mich, 28-34; carpenter, 34-35; exhibits attend, U.S. Dept. Labor, Tex, 36-37; specifications writer, U.S. Employ. Serv, D.C, 37-40; admin, asst, U.S. Civil Serv. Cmn, 40; personnel technician, Fed. Security Agency, 40-41; dir. personnel, Off. Strategic Serv, 41-43; exec. officer, U.S. Dept. State, 46-51; Off. Price Stabilization, 51-53; INSPECTOR & FOR. SERV. OFFICER, U.S. INFO. AGENCY, 54-. U.S.N, 43-45, Lt. Comdr. Personnel administration; international affairs; equal employment opportunity. Publ: Co-auth, Dictionary of occupational titles, U.S. Dept. Labor, 39. Address: 1529 Eton Way, Crofton, Md. 21113.
- OPTON, DR. EDWARD M(ILTON), JR, b. New York, N.Y., June 12, 36; m. 63. PSYCHOLOGY. B.A. Yale, 57; U.S. Pub. Health Serv. fel. & Ph.D.(psychol), Duke, 64. Asst. res. psychologist, CALIFORNIA, BERKELEY, 63-66, ASSOC. RES. PSYCHOLOGIST, 66-. Psychol. Asn; Soc. Psychophysiol. Res. Psychological stress; personality; psychophysiology. Publ: Co-auth, Personality, Penguin, 67. Address: Dept. of Psychology, University of California, Berkeley, Calif. 94720.
- ORAZEM, DR. FRANK, b. Slovenia, Yugoslavia, Jan. 19, 25; m. 53; c. 5. ECONOMICS. Dr. rer. polit, Karl-Franzens Univ, Austria, 49; M.S. Kansas State, 53; Ph.D. Iowa State, 56. Agr. economist prod. econ, U.S. Dept. Agr, 54-56; asst. prof. AGR. ECON. KANSAS STATE, 56-60, assoc. prof, 60-66, PROF, 66-. Fulbright lectr. & vis. prof, Naples, 64-65. Mil. Intel. U.S.A., 50-52. Agr. Econ. Asn; Asn. Adv. Slavic Studies. Input and output relationships and the use of resources in agricultural production; agricultural economic development of Eastern Europe. Publ: Economic aspects of the effects of fertilizers, soil moisture and rainfall on the yields of grain sorghum, J. Farm Econ; Economic approach to the use of fertilizer, Kans. Agr. Exp. Sta. Tech. Bull; Drift from the land, Soc. Order. Address: Dept. of Agricultural Economics, Kansas State University, Manhattan, Kans. 66502.
- ORBACH, DR. CHARLES E(DMOND), b. Springfield, Mass, Sept. 6, 18; m. 42; c. 2. PSYCHOLOGY. B.S. Springfield Col, 43; fel, Columbia, 49-51, Ph.D. (statist, psychol. measurement), 52. Res. psychologist exp. psychiat, Mem. Center Cancer & Allied Diseases, New York, 51-54; res. fel, div. exp. med, Sloan-Kettering Div, Cornell Univ, Med. Col, 54-55, consult. psychologist, 55-57; res. psychologist psychodynamics, Northampton Vet. Admin. Hosp, Mass, 60-64; dir. psychol. res, Springfield Ment. Health Center, 64-66; PSYCHOLOGIST, CHILD GUID. CLIN. SPRINGFIELD, 66-. Psychologist, Montefiore Hosp, New York, 52-60; adj. asst. prof, grad. sch. arts & sci, N.Y. Univ, 53. Consult, prfnl. exam. serv, Am. Pub. Health Asn, 55-60; Albert Einstein Col. Med, 60-; Postgrad. Center Psychother, 60-. U.S.A.A.F, 42-44, Sgt. AAAS; Psychol. Asn. Psychological and social processes involved in responses to disease and its treatment. Publ: Fears and defensive adaptations associated with the destruction of anal sphincter control; co-auth, Acute depressive reactions to surgical treatment for cancer; Depressive and paranoid reaction. Address: 15 Woodlawn St, Springfield, Mass. 01108.
- ORBACH, DR. J(ACK), b. Montreal, Que, Sept. 20, 27; m. 51; c. 4. PSYCHOLOGY. M.A. McGill, 50; A.M. Princeton, 52, Ph.D.(psychol), 54. Res. fel. neuropsychol, Yerkes Labs. Primate Biol, 52-55; Nat. Res. Coun. fel, Montreal Neurol. Inst, McGill, 55-57; dir. psychophysiol. lab, inst. psychosom. & psychiat. res. & training, Michael Reese Hosp, 57-68; PROF. PSYCHOL, QUEENS COL.(N.Y.), 68-. Vis. lectr, Hebrew Univ, Israel, 65-66. AAAS; Psychol. Asn. Cerebral mechanisms in behavior; processes of learning; memory, attention and emotion; functional specialization of cerebral areas; sexual behavior in the primate and rodent; visual illusions. Address: Dept. of Psychology, Queens College, Flushing, N.Y. 11367.
- ORCHINK, DR. CARLTON W(EBSTER), b. Philadelphia, Pa, Sept. 1, 20; m. 50; c. 3. PSYCHOLOGY. A.B. Temple, 42, Ph.D.(psychol), 54; A.M. Pennsylvania, 47. Voc. & ed. counsr, Vet. Adv. Center, Phila, 46-48; instr. psychol, Temple, 48-50, res. psychologist, med. center, 49-56; psychologist, COUNTY COURT OF PHILA, 48-61, DIR. GROUP THERAPY & MENT. HEALTH CONSULT, 61-; DIR. JUVENILE CLIN, CAMDEN COUNTY PSYCHIAT. HOSP, 67-, psychologist, 56-67. Attend. psychologist, Am. Fedn. Labor Med. Center, 54-67; instr. sociol, Temple, 63-64; lectr, La Salle Col, 66-67; res. dir, Phila. Youth Develop. Day Care Treatment Center Proj, 67-69. Consult, Phila. Psychiat. Hosp, 46-48; Child Care Serv. Del. County, 54-. U.S.N.R., 44-46, Lt.(jg). AAAS; Psychol. Asn; Group Psychother. Asn; Acad. Psychother. Psychoanalysis; child development; brain functioning; treatment programs for juvenile delinquents and the culturally disadvantaged. Publ: Special psychological studies, In: Stereoccephalotomy, 62 & co-auth, The therapy of adolescent offenders, In: Current psychiatric therapies, Vol. III, 63, Grune; auth, Overcoming cultural alienation: a means to reclaim young delinquents, Quarterly, 63. Address: 8301 Rugby St, Philadelphia, Pa. 19150.
- ORCUTT, PROF. GUY H(ENDERSON), b. Wyandotte, Mich, July 5, 17; m. 41; c. 4. ECONOMICS. B.S. Michigan, 39, M.A. (econ), 40, Ph.D.(econ), 44. Instr. econ, Mass. Inst. Tech, 44-46; sr. res. worker appl. econ, Cambridge, 46-48; economist, Int. Monetary Fund, 49; asst. prof. ECON, Harvard, 49-53, assoc. prof, 53-58; BRITTINGHAM PROF. SOC. SYSTS. RES. INST, WISCONSIN, MADISON, 58-. Consult, Int. Monetary Fund, 51-53. Statist. Asn. (v-pres, 59-62); Econ. Asn; Economet. Soc. Econometrics; model building. Publ: Co-auth, Microanalysis of socioeconomic systems: a simulation study; auth, Measurement of price elasticities in international trade, Rev. Econ. & Statist; co-auth, Testing the significance of correlation between time series, Biometrika. Address: Dept. of Economics, Sterling Hall, University of Wisconsin, Madison, Wis. 53706.
- ORDEN, DR. ALEX, Math, see 11th ed, Phys. & Biol. Vols.
- ORDON, DR. V(LADIMIR) A(NTHONY), b. Warsaw, Poland, June 13, 08; nat; m. 50; c. 2. PHYSICS, PSYCHOLOGY. M.S. Warsaw, 30; Vienna, 31; Berlin, 35; Ph.D. Ottawa, 51. Dept. head, A.R.F. Prod, Inc, 45-49, 52-54; mgr. human eng. sect, Crosley Div, Avco Mfg. Corp, 54-60, mgr. human factors & oper. test dept, Avco Corp, Mass, 60-65; SR. RES. SCIENTIST, ASTROPOLAR LAB, MISSILE & SPACE SYSTS. DIV, McDONNELL DOUGLAS CORP, 65-. Assoc. prof, DePaul, 40-45; vis. lectr, Ottawa, 51; lectr, sensitivity-mgt. series, Santa Monica Civic Prog, 67-. AAAS; assoc. fel. Inst. Aeronaut. & Astronaut; Aerospace Med. Asn; Research Soc. Pattern recognition technology; biotechnology; computer science cybernetics. Publ: Functional vs. esthetic aspects of design, Northeast Electronics Res. & Eng. Meeting, 59; A controlled environment within a crew compartment, Avco Tech. Paper, 60; Detection and prediction of paroxysmal seizures, Douglas Prog, 67. Address: Astropolar Lab, McDonnell Douglas Corp, 2121 Campus Dr, Newport Beach, Calif. 92660.
- ORDWAY, DR. ROBERT K, b. Rooks Co, Kans, Nov. 28, 32; m. 50; c. 6. SOCIOLOGY. A.B. Phillips, 54; B.D. Garrett Theol. Sem, 58; M.A. Butler

- 59; Ph.D.(soc. orgn), Mich. State, 64. ASSOC. PROF. SOCIOL, Culver-Stockton Col, 64-67; WICHITA STATE, 68- Summers, res. consult, inst. community develop, Mich. State, 65, vis. prof, Ohio, 66, Lindenwood Col, 67. Sociol. Asn; Soc. Sci. Study Religion. Community structure and relationship to institutional structure of religious organizations; structure and decision-making process of religious organizations. Publ: Religious education program and personnel in Michigan churches, Inst. Community Develop, Mich. State, 65; co-auth, Ecumenical design: an imperative for action, Consult. Church & Community, 67. Address: 6622 Aberdeen, Wichita, Kans. 67206.
- ORDY, DR. JOSEPH MARK, Exp. Psychol, see 10th ed, Soc. & Behav. Vols.
- O'REGAN, DR. WILLIAM G(ERARD), b. New Orleans, La, Aug. 21, 15; m. 48; c. 2. STATISTICS. B.S. California, 49, Ph.D., 62; Fulbright scholar, London Sch. Econ, 51-52. Asst. specialist, Giannini Res. Found, 52-53; asst. prof, Florida, 53-55, assoc. prof, 55-56, consult, 53-56; dir. statist. anal. dept, Minute Maid Corp, 56; STATISTICIAN, PAC. S.W. FOREST & RANGE EXP. STA., U.S. FOREST SERV, 57- Lectr, forestry sch, California, Berkeley, 63- U.S.N., 40-46, Comdr. Statist. Asn; Biomet. Soc. Statistical methods and theory applied to forestry problems; research methods; operations research. Address: Pacific Southwest Forest & Range Experiment Station, Box 245, Berkeley, Calif. 94701.
- OREN, PROF. PAUL, JR, b. Detroit, Mich, July 19, 22; m. 46; c. 3. SOCIAL PSYCHOLOGY, SOCIOLOGY. A.B. Yale, 44, M.A., 47, Ph.D.(sociol), 51. Asst. prof. SOCIOL, Kent State, 49-52, assoc. prof, 52-58; Vermont, 58-62, prof, 62-65, chmn. dept, 60-65; PROF, INST. AM. STUDIES, PARIS, FRANCE, 65- Fulbright award, Paris, 52-53 & vis. lectr, Inst. Asian Studies & dept. sociol, Philippines, 57-58. Consult, Akron Cmt. Community Audit, 51; Cleveland Coun. Human Rels, 50-57; Nat. Conf. Christians & Jews, 55; Burlington Cmt. Human Rels, 58-; Col. Entrance Exam. Bd, 66-68. U.S.A., 43-46. Fel. Sociol. Asn. Adolescence; minorities; acculturation; small groups stratification; character and social structure; family cultures of dependent families; introduction to psychology and sociology through social psychology. Publ: Becoming a mill-town American; Habit-ways: a footnote to summer, Soc. Forces; Myth of painless metamorphosis: community development, Silliman J. Address: Institute d'Etudes Americaine, 7, Place de L'Odeon, Paris VI, France.
- ORENSTEIN, FRANK E(VERETT), b. New York, N.Y., June 22, 19. SOCIOL-OGY. B.A., Dartmouth Col, 40; M.A., Chicago, 42. Sr. res. analyst, R.H. Macy, Inc, 48-50; Voice of Am, U.S. Dept. State, 50-52, chief eval. staff, int. ed. exchange serv, 52-55; mgr. commun. res, McCann-Erickson, Inc, 56-60; surv. res, BUR. ADVERT. AM. NEWSPAPER PUBLISHERS ASN, INC, 60-66, DIR. RES, 66- U.S.A.A.F., 42-46. Sociol. Asn; Asn. Pub. Opinion Res. Public opinion and attitude research. Address: 41 Central Park W, New York, N.Y. 10023.
- ORENSTEIN, DR. HENRY, b. New York, N.Y., May 29, 24. ANTHROPOLOGY. A.B. California, 50, Fulbright fel, 54-55, Ph.D.(anthrop), 57. Instr. ANTHROP, Syracuse, 57-58; asst. prof, Tulane, 58-64, ASSOC. PROF, 64-67; BROOKLYN COL, 67- Asian studies prog, Am. Coun. Learned Soc.-Soc. Sci. Res. Coun. res. grant, 60; Nat. Sci. Found, summer res. grants, 60 & 61, suppl. summer grant, 61. U.S.A., 43-46. Fel. Am. Anthropol. Asn; Am. Ethnol. Soc; Asn. Asian Studies; Indian Sociol. Soc. India; anthropological theory; values; political anthropology; structural analysis. Publ: Gaon; conflict and cohesion in an Indian village, Princeton, 65; The evolutionary theory of V. Gordon Childe, Southwest. J. Anthropol; The structure of Hindu caste values, Ethnology, 65. Address: Dept. of Anthropology, Brooklyn College, Bedford & Ave. H, Brooklyn, N.Y. 11210.
- ORESCANIN, DR. DANILLO, b. Mingo Junction, Ohio, Apr. 7, 32; m. 54; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. B.S. West Virginia, 53; M.B.A., Indiana, 54, D.B.A., 60. Assoc. prof. mgt, South Florida, 60-63; ASSOC. PROF. BUS. ADMIN. & ASSOC. DEAN RES. & ADV. STUDIES, INDIANA, 63- U.S.A., 55-56, Res, 56- Econ. Asn. Business organization and management. Address: School of Business, Indiana University, Bloomington, Ind. 47401.
- ORGANIC, DR. HAROLD NATHAN, b. Brooklyn, N.Y., Aug. 21, 21; m. 53; c. 3. SOCIOLOGY. A.B. Michigan, 42, M.A., 57, Ph.D.(sociol), 63. Asst. prof. SOCIOL, BROWN, 62-66, RES. DIR, POP. STUDIES & TRAINING CENTER, 68-, ASSOC. PROF, 67- AAAS; Sociol. Asn. Survey research; social organization; population studies. Address: Dept. of Sociology, Brown University, Providence, R.I. 02912.
- ORGANSKI, PROF. A. F. K., b. Rome, Italy, May 17, 23; U.S. citizen; m. 47; c. 2. POLITICAL SCIENCE. B.A., N.Y. Univ, 47, M.A., 48, Ph.D.(govt), 51. Asst. prof. POLIT. SCI, Brooklyn Col, 52-57, assoc. prof, 58-61, PROF, 59-64; MICHIGAN, 65- Vis. assoc. prof, Columbia, 61-62; vis. prof, Fletcher Sch. Law, 64-67; summer vis. prof, Dartmouth Col, 63, 64. U.S.A., 43-45. Polit. Sci. Asn. Political modernization; international politics; theory. Publ: World politics, 58 & 68, co-auth, Population and world power, 61; & auth, The stages of political development, 65, Knopf. Address: Dept. of Political Science, University of Michigan, Ann Arbor, Mich. 48104.
- ORGEL, DR. SIDNEY A., b. Elizabeth, N.J., Apr. 18, 26; m. 51; c. 3. CLINICAL PSYCHOLOGY. B.A., N.Y. Univ, 48; M.A., Connecticut, 50, Ph.D.(psychol), 58. Intern, Norwich State Hosp, Conn, 49-50, clin. psychologist, 52-53, sr. clin. psychologist, 53-56; asst. psychol, Connecticut, 50-52; staff. clin. psychologist, VET. ADMIN. HOSP, SYRACUSE, 56-62, ASST. CHIEF PSYCHOLOGIST, 62-; ASST. PROF. PSYCHOL, STATE UNIV. N.Y. UP-STATE MED. CENTER, 62-, instr, 57-62. Lectr, Syracuse, 57- Consult, Syracuse Psychiat. Hosp, N.Y., 57-58; Onondaga County Heart Asn, 57-; Cayuga County Ment. Health Clin, 58-60. Cert. clin. psychol, Am. Bd. Exam. Prinl. Psychol, 64. U.S.A., 44-46. Psychol. Asn. Thinking processes in schizophrenia; structural analysis of Rorschach test; evaluation of psychotherapy. Publ: Co-auth, Psychotherapy referrals by educators, J. Higher Ed, 63; Rorschach developmental scores and intelligence level, J. Proj. Tech, 64; An evaluation of the trail making test, J. Consult. Psychol, 67. Address: Veterans Administration Hospital, 800 Irving Ave, Syracuse, N.Y. 13210.
- ORLANDS, DR. HAROLD, b. New York, N.Y., July 29, 21; m. 45, 50; c. 3. SOCIOL-OGY. B.S.S., City Col. New York, 41; Soc. Sci. Res. Coun. fel, London Sch. Econ, 48-49; Ph.D.(anthrop), Yale, 49. Fulbright scholar, London Sch. Econ, 49-50; vis. lectr. soc. anthrop, Birmingham, Eng, 50-51; sr. info. officer, Soc. Surv, 51-52; res. assoc, Inst. Res. Human Rels, 52-54; soc. sci. analyst & sect. chief, Nat. Sci. Found, 54-59; dir. studies, White House Conf. Children & Youth, 59-60; MEM. SR. STAFF, BROOKINGS INST, 60- Consult. res. & tech. progs. submt, cmt. govt. opers, U.S. House Rep, 66-67. Civilian pub. serv, 44-46. AAAS; Sociol. Asn. Government policy toward university science; government use of social science research. Publ: Utopia Ltd, Routledge & Kegan Paul, London, 52; The effects of federal programs on higher education, 62 & Contracting for atoms, 67, Brookings Inst. Address: 7035 Wilson Lane, Bethesda, Md. 20034.
- ORLANDSKY, DR. JESSE, Psychol, see 11th ed, Phys. & Biol. Vols.
- ORLEANS, ISAAK, b. July 4, 03; m. 31; c. 2. PSYCHOLOGY. B.A., Brown, 26; M.S., City Col. New York, 40; fel, Columbia, 48-50. Asst. prof. psychol, Sampson Col, 46-48; Yeshiva Col, 49-50; lectr. psychol. of adolescence, Queens Col.(N.Y.), 50-51; RES. PSYCHOLOGIST, U.S. Air Force, 51-58; U.S. ARMY BEHAV. SCI. RES. LAB, 58- Psychol. Asn. Culture and personality; communications. Publ: Manual on test construction; Construction of an alternate form of the supervisory practices test; Selecting the first-line supervisor. Address: 9304 Piney Branch Rd, Silver Spring, Md. 20903.
- ORLEANS, PROF. JACOB S(AMUEL), b. London, Eng, Dec. 22, 99; nat; m. 23, 56; c. 3. PSYCHOLOGY. B.S., City Col. New York, 19; M.A. Columbia, 21, Ph.D.(ed. psychol), 26. Teacher, high schs, N.Y., 21-22, 23-24; res. assoc, State Ed. Dept, N.Y. 24-28; dir. res. & test serv, World Book Co, 28-35; asst. prof. ed, City Col. New York, 35-37, assoc. prof, 37-48, prof, 48-50; prof. & dir. res. ed, div. teacher ed, Bd. Higher Ed, N.Y., 50-55; PROF. PSYCHOL, NEVADA SOUTHERN, 57- Consult, Adj. Gen's Off, 43-50; adv. to Commandant, Command & Gen. Staff Col, Kans, 47-48; consult, U.S. Dept. Air Force, 48-49; U.S. Dept. Defense, 50. Fel. Psychol. Asn; Soc. Clin. Hypnosis. Effects of hypnosis on the learning process; nature of hypnosis; learning of arithmetic; teacher effectiveness. Address: Dept. of Psychology, Nevada Southern University, Las Vegas, Nev. 89109.
- ORLEBEKE, CHARLES J., b. Grand Rapids, Mich, Oct. 27, 34; m. 61; c. 2. POLITICAL SCIENCE. B.A., Calvin Col, 57; Falk fel, Mich. State, 57-60, Ph.D.(polit. sci), 65; Fulbright scholar, Sydney, 60-61. Res. asst, Romney for Gov. Cmt, 62, admin. asst, PROG. DEVELOP. & AGENCY LIAISON DIV. GOV. OFF, 63-66, EXEC. ASST, 67- Polit. Sci. Asn; assoc. Soc. Pub. Admin. State and local government; Australian politics; party organization. Publ: The Calare by-election, Australian Polit. Studies Asn. News, 2/61; Ambition and organization: the liberal party (N.S.W.), In: Australian Politics, Tri-Ocean, 66; Executive branch has new look, Mich. Challenge, 2/67. Address: 315 Kedzie Dr, East Lansing, Mich. 48823.
- ORLINSKY, DR. DAVID E(LLIOT), b. New York, N.Y., June 6, 36; m. 58; c. 1. PSYCHOLOGY. A.B. Chicago, 54, Ph.D. 62. ASST. PROF. SOC. SCI. CHICAGO, 60- Sr. res. assoc, Inst. Juvenile Res, 64- AAAS; Psychol. Asn; Acad. Psychother. Psychotherapy; interpersonal relations; personality functioning; psychological theory. Address: Dept. of Social Science, University of Chicago, Chicago, Ill. 60637.
- ORLINSKY, DR. NANCY, Clin. Psychol, see 10th ed, Soc. & Behav. Vols.
- ORMAN, DR. ALLAN D., b. Minneapolis, Minn, Nov. 23, 31; m. 53; c. 4. SOCIOLOGY, ANTHROPOLOGY. B.A. Minnesota, Minneapolis, 52, M.A., 53; Ph.D.(rural social, anthrop), Wisconsin, 58. Asst. prof. rural social, Iowa State, 58-61; res. analyst, mkt res, PILLSBURY CO, 61-63, mgr, frozen food mkt. res, 63-65, MGR. NEW PROD. MKT. RES, 65- Sociol. Asn; Mkt. Asn. Demography; rural sociology; market research. Address: New Products Market Research, Pillsbury Co, Pillsbury Bldg, Minneapolis, Minn. 55402.
- ORMES, F(ERGUSON) R(EDDIE), Econ, see 10th ed, Soc. & Behav. Vols.
- ORMISTON, PROF. DONALD W(ILLIAM), b. Akron, Ohio, Oct. 5, 27; m. 48; c. 2. CLINICAL & EXPERIMENTAL PSYCHOLOGY. B.S. Akron, 50, M.A., 54; Ph.D., Purdue, 58. Asst. psychol, Purdue, 54-56; health center, Ohio State, 56-57; instr, Kent State, 57-58; res. psychologist, behav. sci. lab, U.S. Dept. Air Force, 58-61; asst. prof. PSYCHOL. MIAMI (OHIO), 61-67. ASSOC. PROF, 67- Private practice, 65- U.S.N., 45-46. Psychol. Asn. Sensory deprivation; isolation; confinement; personality; perception; human performance under stress. Publ: Device for measuring gross motor behavior in primates; Methodological study of confinement: Intellectual and perceptual functioning during confinement. Address: 216 W. High St, Oxford, Ohio 45056.
- ORMONT, DR. LOUIS R(OBERT), b. Philadelphia, Pa. June 16, 18; m. 59; c. 1. PSYCHOLOGY. B.S. Temple, 41; Washington & Jefferson Col, 43; Washington & Lee Col, 44; M.A. Western Reserve, 46; M.F.A. Yale, 49; Ph.D., Columbia, 60. INSTR. HOME & FAMILY LIFE, COLUMBIA, 58- Private practice, 50- U.S.A., 42-45. Sgt. Psychol. Asn; Inter-Am. Soc. Psychol; Group Psychother. Asn. Mem, Nat. Coun. Marriage Rels. Nat. Psychol. Asn. for Psychoanal. Group psychotherapy; marriage counseling. Publ: Co-auth, Talking cure, Harper, 64; auth, Establishing therapeutic contrast in group psychological analysis, Brit. J. Med. Psychol, 64 & Group resistance and the therapeutic contrast, Int. J. Group Psychother, 68. Address: 55 Central Park W, New York, N.Y. 10023.
- ORMSBY, PROF. ANDREW S(TEWART), Bus. Admin, see 10th ed, Soc. & Behav. Vols, deceased 65.
- ORNATI, PROF. OSCAR A(BRAHAM), b. Trieste, Italy, July 11, 22; nat; m. 46; c. 3. ECONOMICS. A.B. Hobart Col, 49; M.A., Harvard, 52, scholar & Ph.D.(econ), 55. Asst. prof. ECON, N.Y. State Sch. Indust. & Labor Rels, Cornell, 52-57; assoc. prof, grad. faculty, New Sch. Soc. Res, 57-61, prof, 61-65; chief econ. develop, Off. Econ. Opportunity, D.C., 65-66; PROF. MGT,

GRAD. SCH. BUS, N.Y. UNIV, 66- Vis. prof, Trieste, 55-56; v. pres, Kirschner Assocs. Inc, N.Mex, 67- Consult, Human Rels. Area Files, India, 55; econ. consult, Nat. Planning Coun. & First Minister, Repub. Indonesia, 60; Econ. Develop. Agency, U.S. Dept. Commerce, 67- Arbitrator, Allied Mil. Govt, U.S. Army, Italy, 43-45. Econ. Asn; Indust. Rels. Res. Asn. Collective bargaining; comparative labor relations; labor economics; poverty characteristics and causes in the United States; urban economics. Publ: Poverty amid affluence, 20th Century, 66; Labor mobility and distressed areas, Cmt. Econ. Develop. Report, 11/60; Affluence and the risk of poverty, Soc. Res, autumn 64. Address: 147 Edgars Lane, Hastings-on-Hudson, N.Y. 10706.

ORNE, DR. MARTIN THEODORE, b. Vienna, Austria, Oct. 16, 27; nat; m. 62. PSYCHIATRY, PSYCHOLOGY. B.A., Harvard, 48, Rantaul scholar, 49-50, M.A., 51, Ph.D. (psychol), 58; M.D., Tufts, 55. Psychologist, re-ed. clin, N.E. Hosp, 50-54; intern, Michael Reese Hosp, Chicago, Ill, 55-56; Nat. Inst. Ment. Health fel, Mass. Ment. Health Center, 56-57, res. psychiatrist, 57-59; res. assoc, dept. soc. rels, Harvard, 59-64, instr. psychiat, sch. med, 59-62, assoc, 62-64; sr. res. psychiatrist, Mass. Ment. Health Center, 60-64; DIR. UNIT EXP. PSYCHIAT, INST. PA. HOSP, 64-; PROF. PSYCHIAT, PENNSYLVANIA, 67-, assoc. prof, 64-67. Lectr, Harvard, 58-59; vis. lectr, California, Berkeley, 62. Summers, vis. lectr, Mainz, 51; Fulbright vis. prof, Sydney, 60. Consult, Inst. Defense Anal; Surgeon Gen, Study sect, Nat. Insts. Health. AAAS; N.Y. Acad. Sci; Psychiat. Res. Soc; Soc. Psychophysiol. Res; Psychol. Asn; Psychiat. Asn; Am. Med. Asn; Int. Soc. Clin. & Exp. Hypnosis (ed, Int. J. Clin. & Exp. Hypnosis). Clinically relevant psychology, especially special states of consciousness. Publ: The nature of hypnosis: artifact and essence, J. Abnorm. & Soc. Psychol, 5/59; On the social psychology of the psychological experiment: with particular reference to demand characteristics and their implications, Am. Psychologist, 11/62; Hypnosis, motivation and compliance, Am. J. Psychiat, 1/66. Address: Institute of Pennsylvania Hospital, 111 N. 49th St, Philadelphia, Pa. 19139.

ORNSTEIN, DR. GEORGE N(ORMAN), b. Brooklyn, N.Y., Oct. 2, 29; m. 53; c. 1. EXPERIMENTAL PSYCHOLOGY. A.B., Connecticut, 51, A.M., 52; Ph.D. (exp. psychol), Ohio State, 60. Asst. instr. psychol, Connecticut, 52-53; sr. engr. res. psychol, N.A.M. Rockwell Corp, 56-58, specialist, 58-60, sr. tech. specialist, 60-61, group leader adv. syst. res, 61-62, eng. chief, 62-66, mgr. systs. res. & anal. dept, 66-68; DIR. ADV. PLANNING & MGT. SYSTS, R. G. BARRY CORP, 68- Mem, Armed Forces-Nat. Acad. Sci-Nat. Res. Coun. Cmt. Vision. U.S.A.F., 53-56, 1st Lt. AAAS; Psychol. Asn; Psychomet. Soc; Human Factors Soc. Self-organizing systems; mathematical models of human behavior; system simulation; performance measurement and training. Publ: Co-auth, Analysis of pilot flying performance in terms of component abilities, J. Appl. Psychol; auth, The automatic analog determination of human transfer function coefficients, Med. Electron Biol. Eng, 63; Evaluation of probabilistic displays, Soc. Info. Display, 66. Address: Advanced Planning & Systems Management, R.G. Barry Corp, 78 E. Chestnut, Columbus, Ohio 43215.

ORNSTEIN, DR. PAUL H, b. Hajdunanas, Hungary, Apr. 4, 24; U.S. citizen; m. 46; c. 3. PSYCHIATRY, PSYCHOANALYSIS. Cluj, 45; Eötvös Löránd, Budapest, 45-46; Munich 46-47; M.D., Heidelberg, 50. Res. PSYCHIAT, Cincinnati Gen. Hosp, 55-57; instr. COL. MED, CINCINNATI, 57-59, asst. prof, 59-66, ASSOC. PROF, 66- Asst. dir. inpatient serv, Cincinnati Gen. Hosp; staff mem, Chicago Inst. Psychoanal, 67- Psychiat. Asn; assoc. Col. Neuropsychopharmacol. Teaching and learning of psychiatry and psychoanalysis; psychopharmacology; dream research; psychotherapy. Publ: Toward a conceptual scheme for teaching clinical psychiatric evaluation, Comprehensive Psychiat, 10/67; Trends in psychoanalysis, Ohio State Med. J. 1/68; What is and what is not psychotherapy, Diseases Nerv. Syst, 68. Address: Dept. of Psychiatry, College of Medicine, University of Cincinnati, Cincinnati, Ohio 45229.

O'ROURKE, FIDELIS, O.F.M., Bus. Admin, see 10th ed, Soc. & Behav. Vols.

O'ROURKE, DR. L(AWRENCE) J(AMES), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 65.

ORR, DR. CHARLES A(NDREW), b. North Branch, Mich, Nov. 15, 06; m. 48; c. 1. ECONOMICS. B.A., Michigan, 31, M.A., 32, fel, 33-35, Ph.D., 40. Statist. clerk, League Nations, 29-30; instr. ECON, Louisville, 35; Texas, 38-40; Univ. Kansas City, 40-41; asst. prof, Roosevelt, 46-48; exchange lectr, Wales, 48-49; ASSOC. PROF, ROOSEVELT, 49- Res. officer, Int. Confedn. Free Trade Unions, Belgium, 50-54; head adult ed. sect, UNESCO, France, 52; expert workers ed, Int. Labor Orgn, India & Malaya, 59-60. Comparative labor movements; African trade unions; labor and nationalism in Africa; workers' participation in management; workers' education in Asia; Foreign trade of India. Publ: Study of Indian boycotts; Stalin's slave camps; Workers' participation in industry. Address: Dept. of Economics, Roosevelt University, Chicago, Ill. 60605.

ORR, DR. DANIEL, b. New York, N.Y., Mar. 13, 33; m. 57. ECONOMICS. A.B., Oberlin Col, 54; Michigan, 54; M.A., Princeton, 56; Ph.D., 60. Ops. analyst, Procter & Gamble Co, 56-58; asst. prof. econ, Amherst Col, 60-61; asst. prof. math. econ, Chicago, 61-66; assoc. prof. ECON, CALIFORNIA, SAN DIEGO, 66-68, PROF, 68- Consult, Rand Corp, 64-65; U.S. Dept. Treas, 66- U.S.A.R., 57. Econ. Asn; Economet. Soc. Implications of optimal asset management for economic theory. Publ: Co-auth, Stochastic reserve losses and the expansion of bank credit, Am. Econ. Rev; auth, A stochastic income model using optimal inventory rules, Rev. Econ. Studies, 63; co-auth, A model of the demand for money by firms, Quart. J. Econ, 66. Address: Dept. of Economics, University of California, San Diego, La Jolla, Calif. 92037.

ORR, DR. DAVID B(RAM), b. Miami, Fla, Oct. 20, 30; m. 52; c. 1. PSYCHOLOGY. B.A. & B.S. Ed, Wittenberg, 52; M.A., Columbia, 53. Am. Ed. Res. Asn. fel, 53-54, Ph.D. (ed. & psychol. measurement), 56. Asst. ED. PSYCHOL, teachers col, Columbia, 53-56; res. scientist, Am. Insts. Res, 56-66, exec. scientist & prog. dir, 66-67; V. PRES. ED. RES, SOFTWARE SYSTS, INC, 67- Res. assoc, Pittsburgh, 59-64; lectr, Maryland, 58-66, adj. prof, 66-; instr, Montgomery Jr. Col, 59-65, adj. prof, 65- Psychol. Asn; Psychomet.

Soc; Personnel & Guid. Asn; Ed. Res. Asn. Design, execution and measurement of problems of educational and psychological research; educational communication; language skills; human information processing. Publ: Co-auth, Design for a study of American youth & The trainability of comprehension of speeded speech, J. Ed. Psychol, 65; auth, Project Talent, a national inventory of aptitudes and abilities, Phi Delta Kappan, 61. Address: 11714 Tifton Dr, Potomac, Md. 20854.

ORR, DR. DAVID H(AMILTON), b. Lynn, Mass, May 13, 20; m. 44; c. 1. CLINICAL PSYCHOLOGY. B.A., New Hampshire, 42; Ph.D. (clin. psychol), Kentucky, 50. Chief psychologist, East. State Hosp, Va, 50-55; DIR. PSYCHOL. SERV, ALLENTOWN STATE HOSP, 56- Lectr, Lafayette Col, 59; Lehigh, 60. Mem. bd. homeland ministries, United Church Christ, 62-; bd. mgr, Bethany Children's Home, Pa, 64- Dipl, Am. Bd. Exam. Prfnl. Psychol; Am. Bd. Exam. Psychol. Hypnosis, 61. U.S.A.A.F., 42-46. Fel. Psychol. Asn. Projective techniques; psychotherapy. Address: Dept. of Psychology, State Hospital, Allentown, Pa. 18103.

ORR, DR. EARLE W(ILFORD), JR, b. Omaha, Nebr. ECONOMICS. B.S., Iowa State, 48; M.S., Iowa, 52, Ph.D. (econ), 57. Transportation economist, U.S. Dept. Agr, 52-53; instr. econ, Purdue, 54-57; res. assoc, transportation center, Northwestern, 57-58; distribution analyst, Union Carbide Corp, 59; sr. ops. res. analyst, Arthur Andersen & Co, 59-62; economist, inland water transport study, Transportation Consult, Inc, E. Pakistan, 62-65, sr. economist, country-wide transport surv, S.Viet-Nam, 65-66, mining & hwy. feasibility study, Bolivia, 66-67; sr. assoc. econ. develop. projts, Consultora Latinoamericana Ltda, Cent. Am, 67-68; DIR. ECON. DIV, COMMONWEALTH TRANSPORTATION CONSULT, INC, 68- Consult, Nat. Coal Asn, 58. U.S.M.C., 43-46. Econ. Asn; Economet. Soc; Ops. Res. Soc. Am; Asn. Bus. Econ; Regional Sci. Asn; Inst. Mgt. Sci; Soc. Econ. Develop. Applications of operations analysis to business problems; operations analysis techniques; transportation. Address: 1250 Connecticut Ave, Washington, D.C. 20036.

ORR, PROF. KENNETH GORDON, b. Long Island, N.Y., Feb. 8, 16; m. 40; c. 2. ANTHROPOLOGY. B.A., Columbia Col. (N.Y.), 37; M.A., Chicago, 42, Ph.D. (anthrop), 44. Archaeol. supt, Works Progress Admin, Univ. Oklahoma, 38-40, asst. prof. anthrop, univ, 46; Chicago, 46-54; res. assoc, human rels. area file, Yale, 55-56; gen. ethnol. univ. mus, Pennsylvania, 56-57; assoc. prof. anthrop, American Univ. Beirut, 57-58; consult. probs. overseas effectiveness, D.C. 58-60; rural res. & community develop. adv, U.S. Agency Int. Develop, 60-65, chief, res. & eval. br, 65-66; PROF. ANTHROP, ARKANSAS, 67- Fulbright prof, Rangoon, 50-51; vis. prof, Arkansas, 52; prog. officer, Tech. Coop. Admin, Baghdad, Iraq, 52-53; specialist, For Ops. Admin, Amman, Jordan, 53-55; Soc. Sci. Res. Coun. Demobilization award fel; acting prof, Oregon, 56-57. U.S.A., 42-45. AAAS; fel. Anthrop. Asn; Burma Res. Soc. Archaeology of Mississippi Valley and Burma; applied cultural anthropology of southeast Asia, Middle East and central Europe; medical and public health aspects of biosocial man. Publ: Burmese standard of living; Development needs in a changing Liberia, 64 & Introducing the Laos; toward an understanding of the lowland farmers of Laos, 67, U.S. Agency Int. Develop. Address: 5 E. Trenton, Fayetteville, Ark. 72701.

ORR, DR. LLOYD DAVID, b. Knoxville, Iowa, Dec. 24, 34; m. c. 2. ECONOMICS. B.A., Mich. State, 56, M.A., 58; Standard Oil Found. fel, Sears Found. fel. & Ph.D. (econ), Northwestern, 63. Lectr. ECON, INDIANA, 60-64, asst. prof, 64-67, ASSOC. PROF, 67- Mem. res. staff, Cleveland Metrop. Serv. Orgn, summer 57; vis. prof, Mt. Union Col, summer 60. Econ. Asn; Statist. Asn. Publ: Expected sales, actual sales and inventory investment realization, J. Polit. Econ, 2/66; The electric car: economics and technology, Bus. Horizons, summer 67; A comment on sales anticipations and inventory investment, Int. Econ. Rev, 10/67. Address: Dept. of Economics, Indiana University, Bloomington, Ind. 47401.

ORR, SISTER M. ST. MARY, I.H.M., b. Scranton, Pa, Oct. 4, 99. CLINICAL & EXPERIMENTAL PSYCHOLOGY. A.B., Marywood Col, 19; M.A., Catholic Univ, 34; Ph.D., Fordham, 42. Teacher, high schs, Pa, 20-40; instr. psychol, Marywood Col, 40-42, dir. psychol. ed. clin, 42-55, dean students, 43-46; dir. studies, Sisters Servants Immaculate Heart of Mary, 55-61; PRES, MARYWOOD COL, 61- Alumni ed. achievement award, Catholic Univ, 67. Dipl. Am. Bd. Exam. Prfnl. Psychol, 48. Fel. Psychol. Asn. Experimental investigation of memory for color. Address: Marywood College, 2300 Adams Ave, Scranton, Pa. 18509.

ORR, DR. MARCUS WAYNE, Ancient Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

ORR, PHIL C(UMMINGS), Paleont, Anthropol, see 11th ed, Phys. & Biol. Vols.

ORRICO, DR. ALPHONSO JOHN, b. Jersey City, N.J. CLINICAL PSYCHOLOGY. B.S., Rutgers, 32; M.A., Columbia, 33; Fordham, 35-37; N.Y. Univ, 45-50; Ph.D., Ottawa, 53. Teacher, pub. schs, N.J., 32-56; DIR. PSYCHOL. HUDSON COUNTY HOSP. FOR MENT. DISEASES, 56- Lectr, sch. nursing, St. Francis Hosp, Jersey City, N.J., 46-48; sr. psychologist, Doctors Hosp, Union City, 47-61; adv. Police Magistrate, 47-54; psychologist, Assumption Sch, 53-; lectr, Jersey City Bd. Ed, 56- Consult, Our Lady of Sorrows Sch, N.J., 32-35; voc. guid. dept, YMCA, 35-38; Cerebral Palsy League Clin, 46-49; ment. guid. clin, Jersey City Med. Center, 49-52; Assoc. Cath. Charities, 48-55; State Rehab. Cmn, 57- Chmn. prfnl. adv. cmt. for ment. health clins, Ment. Health Bd, Hudson County, N.J., 57-; spec. adv. metrop. probs, President's Cmt. Juvenile Delinquency & Youth Crime, 61- Am. Psychol. Asn; Acad. Relig. & Ment. Health; N.Y. Acad. Sci; Brit. Psychol. Soc. Psychological evaluation of occupationally incompetent individuals; psychological evaluations of psychiatric patients before and after the administration of ataractics. Publ: Occupational neuroses, Occup. Ther. & Rehab; School club preview of nursing, Occupations; Are Catholic educators doing the right thing by our children? Cath. Educator. Address: 1009 Kennedy Blvd, North Bergen, N.J. 07047.

ORTEGO, PROF. ALBERT J(OSEPH), JR, b. Washington, La, Nov. 22, 33; m. 58. AGRICULTURAL ECONOMICS. B.S., Southwestern Louisiana, 55;

- M.S., La. State, 57; Ph.D.(agr. econ), California, Berkeley, 67. Instr. AGR. ECON, La. State, 57-58; asst. prof. Va. Polytech, 58-63; res. asst. & lectr., California, Berkeley, 65-67; ASSOC. PROF. VA. POLYTECH, 67- Agr. Econ. Asn. Dairy marketing; agricultural policy. Publ: Co-auth. An evaluation of prices and margins in California dairy industry; An analysis of financial statements of Virginia's retail farm equipment businesses; Operation of base-excess plans under state and federal regulations in Louisiana. Address: Dept. of Agricultural Economics, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- ORTEGON, DR. SAMUEL M(ALDONADO), b. El Paso, Tex, Apr. 30, 03. SOCIOLOGY. A.B. Southern California, 30, A.M. & Th.M., 32, fel. 34, Ph.D., 50. Prof. Spanish, Am. Baptist Theol. Sem., 30-38; missionary & evangelist, South. Calif. Baptist Convention, 38-43; prof. sociol. & Spanish, East Baptist Theol. Sem., 46-58; Hardin-Simmons, 58-62; HEAD DEPT. SOCIOLOGICAL, CALIF. BAPTIST COL., 62-, CHMN. SOC. SCI. DIV., 65- Asst. librarian, Southern California, 33. Ed. Neuva Senda, 38-43. Speaker & del. World Fellowship of Faith, London, 37. U.S.A., 43-46, Capt. Fel. Sociol. Asn. Publ: Rescue mission work, Int. Rescue Mission Asn; Making of social ideas. Address: Social Science Division, California Baptist College, 8432 Magnolia Ave, Riverside, Calif. 92504.
- ORTH, DR. ANDREW P(ARK), b. Harrisburg, Pa, Feb. 1, 00. ECONOMICS. B.S., Pennsylvania, 22, A.M., 26; B.S.C. Drexel Inst., 24; summers, Temple, 40-42, 46-48; D.Ed., Pa. State Col., 51. Instr. high schs, Pa. 23-36; chmn. dept. bus. practice & merchandising, Pa. State Teachers Col.(Bloomsburg), 36-40; sr. ed. adv. State Dept. Pub. Instr., Pa. 40-43; asst. prof. econ, Gettysburg Col., 43-45; assoc. prof. Dickinson Col., 45-48; prof. econ. & head dept. Lebanon Valley Col., 48-55; asst. prof. acct. Georgia, 55-58; instr. bus. admin. & chmn. dept. Flint Community Jr. Col., 58-66; ASSOC. PROF. ECON, DAYTON, 66- Econ. Asn; Statist. Asn; Am. Acct. Asn; Mkt. Asn; Am. Geog. Soc; Acad. Polit. & Soc. Sci. History of education; socialism. Publ: General education as a philosophical development in American higher education. Address: Dept. of Economics, University of Dayton, Dayton, Ohio 45409.
- ORTIZ, DR. ALFONSO A(LEX), b. Espanola, N.Mex, Apr. 30, 39; m. 61; c. 2. ANTHROPOLOGY. A.B. New Mexico, 61; Arizona State, 61-62; M.A. Chicago, 63, Ph.D.(anthrop), 67. Asst. prof. ANTHROP. Pitzer Col., 66-67; ASST. PROF. & RES. GRANT, PRINCETON, 67- Off. Econ. Opportunity res. grant, 65. Consult. eval. Am. Indian community action progs, Human Sci. Res. Inc, 66. Mem. bd. dir. Asn. Am. Indian Affairs, Inc, 67- Fel. Anthropol. Asn; Soc. Am. Archaeol. Anthropological study of religion and society; mythology and world view; contemporary American Indian affairs; anthropology and education; systems of symbolic classification. Publ: Project Head Start in an Indian community, Off. Econ. Opportunity, 65; Dual organization as an operational concept in the Pueblo Southwest, Ethnology, 10/65. Address: Dept. of Anthropology, Princeton University, Princeton, N.J. 08540.
- ORTLEB, DR. RUTH, b. Burlington, Iowa, Jan. 11, 98. PSYCHOLOGY. Ph.B. Chicago, 27; M.A. Columbia, 31; Ph.D.(clin. psychol), Iowa, 35. Psychometrician, Wrentham State Sch. Mass, 27-28; clin. psychologist, Cook County Psychopath. Hosp. Chicago, Ill., 28-30; sch. psychologist, Georgetown Demonstration Sch., Del., 31-32; res. worker, Iowa State Planning Bd., 34-35; sch. psychologist, Shorewood, Wis., 35-37; clin. psychologist, Children's Center, Detroit, Mich., 37-38; asst. prof. ED. MIAMI (OHIO), 39-47, assoc. prof., 48-64, EMER. ASSOC. PROF., 64-; CONSULT. PSYCHOLOGIST, 64- Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn. Exceptional children; psychotherapy; education. Publ: An objective study of emphasis in oral reading of emotional and unemotional material, Speech Monogr; The needs of the dull-normal elementary school child, Sch. & Society. Address: 208 N. Poplar St., Oxford, Ohio 45056.
- ORTMEYER, DR. CARL E(DWARD), b. Charles City, Iowa, Mar. 12, 15; m. 47; c. 1. SOCIOLOGY, STATISTICS. B.A. Iowa, 39, M.S. Iowa State, 48, Ph.D.(rural sociol), 54. Instr. sociol. Iowa State, 40-41; Wichita, 49-51; res. assoc. community health surv. sch. pub. health, Michigan, 54-56; researcher, health & med. care progs. & statist. legis. reference serv. Library Cong, 56; soc. admin. analyst med. care, prog. res. U.S. Soc. Security Admin, 56-57; res. assoc. community health surv. col. med, Howard, 57-59; anal. statistician, nat. vital statist. div. Nat. Center Health Statist., U.S. PUB. HEALTH SERV., 59-68, STATISTICIAN, APPALACHIAN LAB. OCCUP. & RESPIRATORY DISEASES, NAT. CENTER URBAN & INDUST. HEALTH, BUR. DISEASE PREV. & ENVIRON. CONTROL, 68- U.S.A., 41-45, Sgt. Fel. Sociol. Asn; Statist. Asn; fel. Pub. Health Asn; Rural Sociol. Soc; Int. Union Sci. Study Pop. Social stratification; medical care distribution and attitudes toward physicians and medical care; vital statistics; registration of vital records. Publ: Social interaction and social stratification, Rural Sociol. Address: Appalachian Laboratory for Occupational & Respiratory Diseases, U.S. Public Health Service, Box 821, Morgantown, W.Va. 26505.
- ORTMEYER, DR. DALE H(ERBERT), b. Charles City, Iowa, Mar. 1, 26; m. 60. CLINICAL PSYCHOLOGY. B.S. Iowa State, 49, M.S., 51; Ph.D. Columbia, 55; cert. William Alanson White Inst., 63. Clin. psychologist, outpatient clin., Vet. Admin. Regional Off., N.Y., 55-60; CLIN. PSYCHOLOGIST, 57- Suprv. clin. psychologist, ment. hyg. clin. Adelphi, 59-61, assoc. clin. prof., univ., 61-, mem. faculty & suprv. psychologist, postdoctoral prog. psychother. & consult. psychologist, soc. serv. clin., 67-; mem. faculty, William Alanson White Psychoanal. Inst., 65-; instr. bd. ed. New York, 65-; res. assoc. Roosevelt Hosp., 67- AAAS; Psychol. Asn; Group Psychother. Asn; N.Y. Acad. Sci. Individual, group and family psychotherapy; projective techniques; learning theory; value changes in dyads; psychotherapy techniques with the blue collar worker. Publ: Co-auth. Some social correlates of intellectual changes, Value system similarity: investigation of patient-therapist dyads, J. Consult. Psychol., 67 & A development of value profile types of psychotherapists, Proc. Am. Psychol. Asn, 67. Address: 315 Central Park W., New York, N.Y. 10025.
- ORTNER, DR. ROBERT, b. Newark, N.J., Oct. 19, 27; m. 47; c. 2. ECONOMICS, STATISTICS. B.S. Pennsylvania, 49; M.S. Columbia, 53, scholar, 53-54; Ford Found. fel., 58-59, Ph.D.(econ, statist), 60. Asst. to pres. mfg., Franklin Leather Goods Co., 49-53; asst. econ. grad. sch. bus. Columbia, 54; economist, Mid European Studies Center, Free Europe Cmt., 54-55; instr. & lectr. statist. & finance, Wharton Sch. & ops. analyst, ops. anal. stand-by unit, Pennsylvania, 55-61; ops. res. analyst, Ops. Anal. Off., Hq. U.S. Air Force, 61-62; econ. & financial analyst, Carl M. Loeb, Rhodes & Co., 62-65; assoc. economist, BANK OF NEW YORK, 65, v.pres., 65-66, V.PRES. & ECONOMIST, 66- Private consult., 60-61. U.S.A., 46-47. Econ. Asn; Economist Soc; Finance Asn. Economic theory; monetary economics; international trade and finance; econometrics; corporation finance and investments; operations research. Publ: Approach to the analysis of common share prices; Estimate of the time horizon and expected yield for a selected group of common shares, 1935-1955. Address: 374 White Oak Ridge Rd, Short Hills, N.J. 07078.
- ORTON, DWAYNE, b. Port Hope, Ont, May 6, 03; m. 26; c. 3. ECONOMICS, ETHICS. A.B. Redlands, 26, LL.D., 44; Andover-Newton Theol. Inst., 27-28; California, Berkeley, 31-42; M.A., Univ. of the Pacific, 33; LL.D., Tusculum Col., 48, St. Lawrence, 58; L.H.D., Clarkson Tech., 56; D.C.L., Nassau Col. & D.C.S., Pace Col., 57; D.Litt., Tampa, 60, West. New Eng. Col., 63. Instr. Eng. Baylor Col., 26-29; asst. prof. speech, Univ. of the Pacific, 29-32, dean col., 32-38, dir. chapel, 30-34; pres. Stockton Col., 36-42; dir. ed. INT. BUS. MACH. CORP., 42-54, editor, THINK MAG., 54-65, CHMN. ED. BD., 65-, ed. consult., 54-68. Hon. counsr., Int. Mgt. Coun., 63, gov., 64- Chmn. & pres. Coun. Int. Progress in Mgt., 57-63; chmn. Nat. Coun. Churches Cmn. Tech. & Human Values, 65-68; Church Exec. Develop. Bd., 67- AAAS; Nat. Ed. Asn. Effects on human values and institutions of changing technology and its application to industrial management, liberal arts education and Christian church message and theology. Publ: Co-auth. Automation and your future, Methodist Church, 62. Address: 25 Sutton Place S., New York, N.Y. 10022.
- ORTON, PROF. KENNETH D(ALLAS), b. Dallas Center, Iowa, May 28, 27; m. 51; c. 1. EDUCATIONAL PSYCHOLOGY. B.A. Iowa State, 51; M.A. Iowa, 56, Ph.D., 58. Teacher, high sch., Iowa, 51-52; Stanwood Independent Sch. Dist., 52-54; asst. prof. ed. psychol. & measurement, Southern Illinois, 58-63; assoc. prof. ED. PSYCHOL., NEBRASKA, 63-67, PROF., 67- U.S.N. 44-46. AAAS; Psychol. Asn; Ed. Res. Asn. Learning variables as applied to educational problems. Publ: Co-auth. Responses of bright, normal and retarded children to learning tasks. Address: 843 Moraine Dr., Lincoln, Nebr. 68510.
- ORUM, DR. ANTHONY MENDEL, b. Milwaukee, Wis., Nov. 20, 39; m. 64. SOCIOLOGY. B.A. Antioch Col., 62; M.A. Chicago, 65, Nat. Inst. Ment. Health surv. res. training fel., 64-66, Ph.D.(sociol), 67. Instr. SOCIOL., EMORY, 66-67, ASST. PROF., 67-, DIR. UNDERGRAD. STUDIES, 68- Consult. Emory Eval. Proj. Econ. Opportunity in Atlanta, summer, 67; Statewide Voc. Rehab. Proj. Ga., 67-68. Sociol. Asn. Political behavior and race relations, especially the influence of social dimensions upon political orientations and Negro politics. Publ: A re-appraisal of the social and political participation of Negroes, Am. J. Sociol., 7/66. Address: Dept. of Sociology, Emory University, Atlanta, Ga. 30322.
- ORZACK, DR. LOUIS H., b. New York, N.Y., Mar. 16, 24; m. 47; c. 3. SOCIOLOGY. B.S. City Col. New York, 43, fel., 43-44; M.A. Columbia, 48; Ph.D. (sociol), Indiana, 53. Instr. sociol., Indiana, 53-54; Washington (Seattle), 54-55; from instr. to asst. prof., Wisconsin, 55-60, mem. exec. cmt. indust. rels. res. center, 58-60; ASSOC. PROF. SOCIOL. & ANTHROP., BOSTON, 60-, acting chmn. dept., 63-64. Lectr. teaching prog. Wis. Psychiat. Inst., 57-60; dir. Orgn. Growth Res. Proj., 59-; lectr. guid. & counseling inst., Nat. Defense Ed. Act. Prog., Wisconsin, 60-61; indust. rels. assoc. Midwest Psychol. Serv., 61-63; prog. dir. U.S. Pub. Health Serv. grant, grad. res. training prog. in biol. psychol. sociol. & anthrop. for qualified nurses, 63-66; asst. dir. div. ment. retardation, Mass. Dept. Ment. Health, 66-67; prog. dir. Newton Sch. Lunch Eval. Proj., 67. Consult. Chicago State Hosp., 57-58; div. ment. hyg. State Dept. Pub. Welfare, Wis., 60; Cent. Wis. Colony & Training Sch., 61-; Northampton Proj. State Dept. Ment. Health, 61-64. Mem. prfnl. adv. bd. Help Ed. Emotionally Disturbed Children, 59-61; State Adv. Cmt. Joint Ed. Pilot Proj. Bd. Health & Dept. Nurses, Wis.; Mass. Ment. Retardation Planning Bd., 65-67. Fel. Sociol. Asn; Indust. Rel. Res. Asn; Soc. Study Social Probs; Asn. Ment. Deficiency. Social organization; industrial and medical sociology; analysis of change and growth in structure and function of formal organization; social psychology; sociology of occupations and professions; sociological aspects of mental retardation. Publ: Co-auth. A social profile of Levittown; Strategies of mental hospital change, Mass. Dept. Ment. Health, 65; auth. The early development of a hospital, (in prep). Address: 7 Bunny Circle, Newton, Mass. 02158.
- ORZACK, DR. MARESSA HECHT, b. Boston, Mass., Feb. 5, 24; m. 47; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A. Rochester, 45; M.A. Columbia, 47, Ph.D.(psychol), 51. Res. fel. ophthal. sch. med. Indiana, 51-54; lectr. psychol., Seattle, 55; instr. Wisconsin, 56; Wisconsin, Milwaukee, 57-58; res. psychologist, Cent. Wis. Colony & Training Sch., 59-61; tech. assoc. psychopharmacol. SCH. MED., BOSTON, 61-67, ASST. PROF. PSYCHOL., 67- Consult. Wis. Improv. Asn, 60. Psychol. Asn. Differential effects of drugs on behavior using controlled operant techniques; programmed learning; attention studies in schizophrenia. Address: Medfield Foundation, Medfield State Hospital, Medfield, Mass. 02052.
- ORZECK, DR. ARTHUR ZALMAN, b. Atoka, Okla., Nov. 23, 21; m. 57; c. 1. CLINICAL PSYCHOLOGY. A.B. Southern California, 50; Ph.D. Texas, 54. Intern. Vet. Admin. hosps. Hines & Downey, Ill., 54-56, Omaha, Nebr., 56, psychologist, Ment. Hyg. Clin., Indianapolis, Ind., 56-57, VET. ADMIN. HOSP., Ft. Lyon, Colo., 57-58, Sepulveda, Calif., 58-59, Kansas City, Mo., 59-61, STAFF PSYCHOLOGIST, SEPULVEDA, 61- U.S.A., 44-46. Psychol. Asn; fel. Soc. Clin. Hypnosis. Publ: Multiple self concepts as effected by mood states, J. Psychiat.; Some implications for psychotherapy and personality theory based on research employing hypnosis, J. Clin. Hypnosis; Orzeck aphasia evaluation, West. Psychol. Serv., 64. Address: Veterans Administration Hospital, Sepulveda, Calif. 91343.
- OSBORN, DR. DAVID G(ORDON), b. Rehoboth, N.Mex., July 24, 23; m. 56; c. 2. HEALTH ECONOMICS & PLANNING. A.M. Chicago, 49, Ph.D.(geog),

53. Staff asst. to v. pres. opers, Kroger Co, Ohio, 53-56; asst. tech. dir, Nowland & Co, Inc, 56-58; mkt. res. mgr, ADV. SYST. DEVELOP. DIV, INT. BUS. MACH. CORP, 58-64, ADV. SYST. PLANNER, 65- Seminar assoc, Columbia. U.S.N.R, 42-46, Res, 46-, Lt. AAAS; Asn. Am. Geog; Geophys. Union; Soc. Gen. Sys. Res. Urban, physical and economic geography; oceanography. Publ: Geographical features of automation of industry; co-auth, Automation and society. Address: 29 Locust Ave, White Plains, N.Y. 10605.

OSBORN, DR. FREDERICK HENRY, b. New York, N.Y. Mar. 21, 89; m. 14; c. 6. EUGENICS. A.B. Princeton, 10; Cambridge, 10-11; Litt.D. N.Y. Univ, 45; hon. D.Sc. Norwich, 42; LL.D. Washington & Lee, 43, Washington & Jefferson, 47. Treas. & v. pres. in charge traffic, Detroit, Toledo & Ironton R.R. 14-17, pres, 20-21; special partner, G.M.P. Murphy & Co, N.Y., 21-38; dir, Schieffelin & Co, res. assoc. anthrop, Am. Mus. Natural Hist. & U.S. deputy rep, UN Atomic Energy Cmn, 47; trustee, Pop. Coun. Trustee, Princeton; Am. Mus. Natural Hist; Carnegie Corp, N.Y. Dir. Soc. Sci. Res. Coun, 36- Pop. Asn. Am. del. Int. Union Sci. Invest. Pop. Probs. & Int. Pop. Cong, Paris, 37. U.S.A. 42-45, Maj. Gen. Eugenics Soc.(secy); fel. Philos. Soc; Pop. Asn. Population; heredity and environment. Publ: The future of human heredity, Weybright & Talley, 68. Address: Garrison, N.Y. 10524.

OSBORN, PROF. GEORGE C(OLEMAN), Hist, Soc. Sci, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

OSBORN, PROF. GRANT M(cNALLY), b. Salt Lake City, Utah, Dec. 8, 19; m. 47; c. 5. ECONOMICS. B.S. Brigham Young, 48; Newell scholar & M.B.A. Stanford, 50; Huebner Found. fel. & Ph.D.(econ), Pennsylvania, 56. Lectr. mkt, Washington (Seattle), 50; instr. ins, Pennsylvania, 52-54; assoc. prof, Omaha, 54-57; prof, Arizona State, 57-64; dir. econ. res, Am. Med. Asn, 64-66; PROF. INS. MASSACHUSETTS, AMHERST, 66- Dir. sch. mutual ins. agents, Oberlin Col, 66- Ed. consult, Am. Col. Life Underwriters, 66-; pension consult, Rutgers, 66-67; State Bd. Higher Ed, N.J., 68- U.S.A.A.F, 44-46. Econ. Asn. Insurance; social insurance; national health service in Great Britain. Publ: Historical background of state compulsory disability insurance, Rev. Ins. Studies; Compulsory temporary disability insurance in the United States; Voluntary health insurance in Great Britain, J. Risk & Ins, (in press). Address: School of Business Administration, University of Massachusetts, Amherst, Mass. 01002.

OSBORN, DR. JAMES EZRA, b. Tuttle, Okla, Nov. 9, 36; m. 56; c. 2. ECONOMICS, AGRICULTURAL ECONOMICS. B.S. Okla. State, 59, Nat. Defense Ed. Act fel, 59-62, Ph.D.(agr. econ), 64; fel, N.C. State, 62-64. Asst. prof. AGR. ECON, Auburn, 64-67; ASSOC. PROF. TEX. TECH. COL, 67- Agr. Econ. Asn. Production economics; statistics; econometrics; general economics. Publ: Co-auth, Economics analysis of selected cotton planting dates in the Texas high plains, 10/67 & An economic analysis of production responses for cotton and grain sorghum—mixed soils, Texas high plains, 11/67, Tex. Agr. Exp. Sta. Address: Dept. of Agricultural Economics, Texas Technological College, Lubbock, Tex. 79409.

OSBORN, PROF. RICHARDS C(LINTON), b. Des Moines, Iowa, Dec. 5, 08; m. 38; c. 2. FINANCE. A.B. Stanford, 30; A.M. Southern California, 33; Ph.D. Illinois, 38. Instr. econ, Beloit Col, 37-38; Iowa State Teachers Col, 38-40; asst. prof, Kalamazoo Col, 40-43; financial analyst & supvr, Detroit ord. dist, U.S. Dept. War, 43-46; prof. econ, Oklahoma, 46-47; assoc. prof, ILLINOIS, URBANA, 47-55, PROF, 55-57, FINANCE, 57- Finance Asn; Econ. Asn. Corporation finance and corporate profit; investments. Publ: Corporation finance; Business finance, 65 & Financing small business, 68, Appleton. Address: 198 Commerce West, University of Illinois, Urbana, Ill. 61801.

OSBORN, DR. WENDELL LINCOLN, b. DeKalb, Ill, July 12, 18; m. 44; c. 3. PSYCHOLOGY. B.Mus. DePauw, 47; M.Mus. Chicago Musical Col, 48; Ph.D. (psychol), Texas, 66. Head voice dept, sch. fine arts, SOUTHWESTERN (TEX), 48-66, ASSOC. PROF. PSYCHOL, COL. ARTS & SCI, 66- Med.C, U.S.A. 42-46, 1st Lt. Human development; psychology of music; industrial psychology. Address: Dept. of Psychology, Southwestern University, E. University Ave, Georgetown, Tex. 78626.

OSBORNE, DR. BRIAN S, b. Treharris, Scotland, Oct. 13, 38; m. 63; c. 1. GEOGRAPHY. B.A. Southampton, 60, Ph.D.(geog), 67. From instr. to ASST. PROF. geog. & anthrop, South. Colo. State Col, 63-67; GEOG, QUEEN'S (ONT), 67- Res. award, Queen's (Ont), 68-69. Asn. Am. Geog; Inst. Brit. Geog. Cultural and historical geography; enclosure movement in Great Britain; settlement patterns of early nineteenth century. Address: Dept. of Geography, Queen's University, Kingston, Ont, Can.

OSBORNE, PROF. DOUGLAS, b. Helena, Mont, Aug. 7, 12; m. 40; c. 2. ANTHROPOLOGY, ARCHAEOLOGY. B.A. New Mexico, 38, M.A. 42; Ph.D. California, 51. Archaeologist, Tenn. Valley Authority-Works Progress Admin, Tennessee, 39-41; acting field dir. Pac. Coast Area archaeol, Smithsonian Inst, 47-48; curator anthrop, Wash. State Mus. & asst. prof. anthrop, Washington (Seattle), 49-57; vis. prof, Yale, 57-58; supvr. archaeologist, Wetherill Mesa Proj, Mesa Verde Nat. Park, 58-64; PROF. ANTHROP, CALIF. STATE COL. LONG BEACH, 64- U.S.M.C.R, 43-46, 1st Lt. Fel. AAAS; fel. Anthropol. Asn.(ed. News Bull); Soc. Am. Archaeol. Micronesia; Western North America; primitive material culture. Publ: Archaeological occurrences of the pronghorn antelope, bison and horse in the plateau, Sci. Monthly, 53; Excavations in McNary Reservoir, Oregon, Bur. Am. Ethnol. Bull, 57; Archaeology of the Palau Islands, Bull. Bernice P. Bishop Mus, 66. Address: Dept. of Anthropology, California State College at Long Beach, Long Beach, Calif. 90804.

OSBORNE, PROF. ERNEST, Psychol, see 10th ed, Soc. & Behav. Vols.

OSBORNE, ERNEST L(ESLIE), Econ, see 10th ed, Soc. & Behav. Vols.

OSBORNE, PROF. HAROLD W(AYNE), b. El Dorado, Ark, Sept. 5, 30; m. 53; c. 2. SOCIOLOGY, ANTHROPOLOGY. B.A. Ouachita Baptist Col, 52; M.A., La. State, 56, Ph.D.(sociol), 59. Asst. rural sociol, La. State, 54-56, res.

assoc, 56-58; asst. prof. SOCIOL, BAYLOR, 58-61, assoc. prof, 61-63, PROF, 63- Soc. sci. analyst, agr. mkt. serv, U.S. Dept. Agr, 56-58. U.S.A. 52-54, Res, 54-, Capt. Fel. Sociol. Asn; Pop. Asn. Demography; juvenile delinquency; criminology; social and cultural change; rural sociology. Publ: Rural industrialization: situational analysis, Rural Sociol; co-auth, Rural industrialization in a Louisiana community, La. State Agr. Exp. Sta. Bull; Impact of industrialization on a rural community, J. Farm Econ. Address: Dept. of Sociology, Baylor University, Waco, Tex. 76703.

OSBORNE, PROF. JOSEPH DOLPHUS, JR, b. Ft. Worth, Tex, Feb. 19, 04; m. 33; c. 6. SOCIOLOGY. A.B. Baylor, 24, M.A. 25; summers, Oklahoma, 29, 34, 35, 38, Okla. Agr. & Mech. Col, 30; Colorado, 41, 44, 45, 48, 51. Teacher & coach, pub. schs, Tex, 25-26, teacher, 26-27, Murray State Sch, 27-30; pub. schs, Tex, 30-45; exec. secy, Detroit Teachers Asn, 46; ASSOC. PROF. SOCIOL, HARDIN-SIMMONS, 46-, dir. exten, 48-54. Social organization. Publ: School adequacy survey of Texas. Address: Dept. of Sociology, Hardin-Simmons University, Abilene, Tex. 79601.

OSBORNE, PROF. R(OBERT) T(RAVIS), b. Cocoa, Fla, Oct. 20, 13; m. 38. PSYCHOLOGY. A.B. Florida, 36; M.S. Georgia, 38, Ph.D. 50. PROF. PSYCHOL, GEORGIA, 37-, DIR. STUDENT GUID. CENTER, 45-, HUMAN VARIATION RES. CENTER, 65- Consult, Vet. Admin. & Off. Voc. Rehab, 61-Med.Serv.C.Res, Comdr. AAAS; fel. Psychol. Asn; Personnel & Guid. Asn. Psychological measurement; electroencephalography; hereditary factors in the visual evoked response. Publ: Co-auth, Race and modern science, Social Science, 67; Hereditary factors in the performance of visual perceptual tasks, Rev. Int. Sociol, 66; A longitudinal investigation of change in the factorial composition of intelligence with age in young school children, J. Genetic Psychol, 67. Address: 313 Academic Bldg, University of Georgia, Athens, Ga. 30601.

OSBORNE, DR. THOMAS MOTT, II, b. New York, N.Y. May 2, 23; m. 47; c. 5. SOCIOLOGY. B.A. Williams Col, 47; M.A. Boston, 58, Ph.D.(sociol), 67. Charist, Lever Bros. Co, 48-50; invest. analyst, State St. Bank & Trust, 50-57; lectr. SOCIOL, Boston, 59-63; ASST. PROF. WHEATON COL.(MASS), 64- Trustee, N.Conway Inst. U.S.A.A.F, 43-46, Sgt. Assoc. Sociol. Asn; Soc. Sci. Study Relig. Status consistency and its implications for deviant behavior. Address: 528 Glenn Rd, Weston, Mass. 02193.

OSBORNE, PROF. WILLIAM A, b. Brooklyn, N.Y. July 22, 19; m. 46; c. 7. SOCIOLOGY, HISTORY. B.A. St. John's (N.Y.), 41; M.A. Niagara, 42; Hopkins, 48; Ph.D.(soc. sci), Columbia, 44. Chmn. dept. soc. sci, St. Joseph Col.(Md), 53-58; dean sch. ed, Gonzaga, 58-60; asst. to pres, St. JOHN'S (N.Y.), 60-62, PROF. SOCIOL, 60- Consult, parishes & race rels. orgn, 60-; Brooklyn Pastoral Inst, 67- U.S.A.F, 42-46, Res, 46-51, Capt. Soc. Sci. Study Relig; Acad. Polit. & Soc. Sci. Sociology of religion; ethnic relations and urban sociology. Publ: The segregated covenant, Herder & Herder, 67; Catholic Church reform—too late?, Info Document. Conciliar Church, 67; The Church and the Negro, Crosscurrents, 65. Address: Dept. of Sociology, St. John's University, Grand Central & Utopia Parkways, Jamaica, N.Y. 11432.

OSBURN, PROF. H(OBART) G(LENN), b. Washington Co, Ark, Aug. 6, 21; m. 47; c. 2. PSYCHOLOGY. Fel. Michigan, 49-51, Ph.D.(psychol), 52. Psychologist, personnel res. br, U.S. Dept. Army, 51-52, sr. res. scientist, HumRRO, George Washington, 53-57; assoc. prof. PSYCHOL, Southern Illinois, 57-60; PROF, HOUSTON, 60- Consult, Vet. Admin. Hosp, Houston, 60- U.S.A.A.F, 42-46, 1st Lt. Psychol. Asn; Psychomet. Soc. Test and measurements; industrial psychology. Publ: Theory of pattern analysis for the prediction of a quantitative criterion, Psychometrika; Item sampling for achievement testing & A note on test experiments, J. Ed. & Psychol. Measurements. Address: 5706 Yarwell, Houston, Tex. 77035.

OSCHINSKY, DR. LAWRENCE, Phys. Anthropol, see 10th ed, Soc. & Behav. Vols.

OSER, PROF. JACOB, b. New York, N.Y. Apr. 4, 15; m. 54; c. 2. ECONOMICS. Ph.D.(econ), Columbia, 50. Mem. faculty, Harper Col, State Univ. N.Y., 48-56; PROF. ECON, UTICA COL, SYRACUSE, 56- U.S.A.A.F, 42-45. Econ. Asn; Asn. Evolutionary Econ. Food and population problems; economic history and development. Publ: Must men starve? The Malthusian controversy; Evolution of economic thought, Harcourt, 63; Promoting economic development, with illustrations from Kenya, Northwestern Univ, 67. Address: South St, Clinton, N.Y. 13323.

OSGOOD, PROF. CHARLES E(GERTON), b. Somerville, Mass, Nov. 20, 18; m. 39; c. 2. PSYCHOLOGY. B.A. Dartmouth Col, 39, hon. Sc.D. 62; Ph.D. (psychol), Yale, 45. Instr. psychol, Yale, 42-45; res. assoc, Off. Sci. Res. & Develop. & Smoky Hill Army Air Field, Kans, 45; statistician, U.S. Dept. Navy, Conn, 45-46; asst. prof. psychol, Connecticut, 46-49; assoc. prof, ILLINOIS, URBANA, 49-53, res. prof, 53-57, dir. inst. commun. res, 57-65, PROF. PSYCHOL, CENTER ADV. STUDY, 65- Guggenheim fel, 54-55; fel. Center Adv. Study Behav. Sci, 58-59. AAAS; Psychol. Asn.(award, 60, pres, 63); Ling. Soc. Publ: Method and theory in experimental psychology; co-auth, Measurement of meaning; auth, An alternative to war or surrender, Univ. Illinois, 62. Address: Institute of Communication Research, University of Illinois, Urbana, Ill. 61801.

OSGOOD, PROF. CORNELIUS, b. Winchester, Mass, Mar. 20, 05; m. 30; c. 2. ANTHROPOLOGY. Ph.B. Chicago, 27, Ph.D.(anthrop), 30. Ethnologist, Nat. Mus. Can, 28-29; instr. ANTHROP, GRAD. SCH, YALE, 31-34; asst. prof, 34-40, assoc. prof, 40-44, PROF, 44-, ASSOC. DIR. PEABODY MUS, 66-, asst. curator, 30-34, curator, 34-66, chmn. dept. anthrop, univ, 43-49. Ed, Viking Fund Pubs. Anthropol, 42-45. Anthropol. Asn.(treas, 34-39). Culture of certain Athapaskan Indian groups in Alaska and Canada; Chinese and Korean culture; cultural theory. Publ: Ingalik material, social and mental culture; The Koreans and their culture; Culture, its empirical and non-empirical character, Southwest. J. Anthropol. Address: 213 Peabody Museum, Yale University, New Haven, Conn. 06520.

OSGOOD, PROF. ROBERT E(NDICOTT), b. St. Louis, Mo, Aug. 14, 21; m. 46. POLITICAL SCIENCE. A.B. Harvard, 43, Ph.D.(polit. sci), 52. Res. assoc,

center study Am. for. policy, Chicago, 52-61, asst. prof. polit. sci. univ. 56-58, assoc. prof. 58-61, prof. 61; PROF. AM. DIPLOMACY; HOPKINS, 61-, DIR. WASH. CENTER FOR POLICY RES. 65- Mem. European adv. cmt. Dept. State, 67- U.S.A. 43-46. Polit. Sci. Assn. American foreign policy; international relations; military strategy. Publ: NATO, the entangling alliance; co-auth. Force, order and justice, 67 & auth. Alliances and American foreign policy, 68, Hopkins. Address: 5502 Park St, Chevy Chase, Md. 20015.

O'SHEA, PROF. HARRIET E (ASTABROOKS), b. Buffalo, N.Y., Oct. 27, 95. PSYCHOLOGY. B.A. Wisconsin, 16, M.A. 17, Brackett fel. 19-20; univ. fel. Columbia, 20-21, Ph.D. (psychol.), 30. Sch. psychologist, Children's Univ. Sch. N.Y., 17-19, 22-25, prin. high sch. 23-25; psychologist, Bellevue Hosp. New York, N.Y., 19-20; lectr. ed. Bryn Mawr Col., 22-23, asst. prof. 25-27; assoc. prof. psychol. & ed. & student personnel consult, Mills Col., 27-31, dir. presch. lab. 27-30; in charge personnel work for women, PURDUE, 31-37, consult. psychologist for women students, 37-45, assoc. prof. PSYCHOL., 31-64, EMER. PROF., 64- Fel. Strasburg; statistician, U.S. War Dept. 18; Newark Sch. Surv. N.J., 26; mem. adv. staff, State Sch. Surv. Miss., 26. Consult. psychologist, L.S. Ayers, Ind. 37. AAAS; fel. Psychol. Assn; fel. Orthopsychiat. Assn. Parent-child relationships; characteristics and needs of brilliant children; mental health of college students. Address: 6 High St, Turners Falls, Mass. 01376.

O'SHEA, DR. ROBERT MICHAEL, b. New York, N.Y., Mar. 25, 34; m. 58; c. 6. SOCIOLOGY. B.A. St. John's (N.Y.), 54; M.A. Catholic Univ. 56, Ph.D. (sociol.), 65. Soc. sci. analyst, div. dent. health, U.S. Pub. Health Serv. 59-63, sect. chief behav. studies, 63-67; ASST. PROF. BEHAV. SCI. & SOCIOL. SCH. DENT. & DEPT. SOCIOL. STATE UNIV. N.Y. BUFFALO, 67- Sociol. Assn. Sociology of occupations; organization of health care; public opinion. Publ: Co-auth. Factors in dentists' response to Minnesota oral cytology program, Northwest Dent. 11-12/65, A sociologic perspective on the dental student: a description from a survey, J. Dent. Ed. 9/66 & Dental patients' attitudes and behavior concerning prevention: a national survey, Pub. Health Reports, 5/68. Address: Dept. of Sociology, State University of New York, Buffalo, N.Y. 14214.

OSHIMA, PROF. HARRY T (ATSUMI), b. Honolulu, Hawaii, Oct. 4, 17; m. 47; c. 2. ECONOMICS. B.A. Hawaii, 40; Ph.D. Columbia, 56. Res. statistician, UN, 51-53; asst. nat. income prof. Nat. Bur. Econ. Res. 53-54; lectr. econ. Stanford, 54-57; Washington (Seattle), 57-59; Ford Found. grant, 59-61; PROF. ECON. HAWAII, 61- Rockefeller Found. grant, 58-59; Ford Found. faculty fel. 64-65; Nat. Sci. Found. res. grant, 65-67. Consult. inst. adv. projs. East-West Center, 67-; econ. res. center, Univ. Singapore, 67-68. Am. Econ. Assn; Royal Econ. Soc. Int. Assn. Res. Income & Wealth. National income accounting, especially Asian countries; use of national income statistics for the study of development of Asian countries. Publ: National income and expenditure in underdeveloped countries, J. Am. Statist. Share of government in GNP of various countries, Am. Econ. Rev. Consumer asset formation and the future of capitalism, Econ. J. Address: Social Science Research Institute, University of Hawaii, Honolulu, Hawaii 96822.

OSHRY, PROF. BARRY I (RVING), Psychol, Human Rels, see 10th ed, Soc. & Behav. Vols.

OSIPOW, DR. SAMUEL H (ERMAN), b. Allentown, Pa, Apr. 18, 34; m. 56; c. 4. PSYCHOLOGY. A.B. Lafayette Col. 54; M.A. Columbia, 55; Ph.D. (psychol), Syracuse, 59. Asst. psychol. Syracuse, 55-58; lectr. ed. Wisconsin, 61; psychologist, Pa. State, 61-67, asst. prof. PSYCHOL., 65-67; ASSOC. PROF., OHIO STATE, 67- Vis. res. assoc. Harvard, 65. Consult. Centre County Counseling Serv. 65-67; Vet. Admin. 68- U.S.A. 59-60, Res. 60-64, Capt. AAAS; Psychol. Assn. Vocational behavior; counseling psychology; cognitive functions. Publ: Theories of career development, Appleton, 68; co-auth. Vocational certainty and indecision in college freshmen, 66 & Personality types and career choice: a test of Holland's theory, 66, Personnel & Guid. J. Address: Dept. of Psychology, Ohio State University, 1945 N. High St, Columbus, Ohio 43210.

OSIS, DR. KARLIS, b. Riga, Latvia, Dec. 26, 17; nat; m. 51; c. 3. PSYCHOLOGY. Ph.D. (psychol), Munich, 51. Res. assoc. parapsychol. lab. Duke, 51-57; DIR. RES. Parapsychol. Found. Inc. New York, 57-62; AM. SOC. PSYCHICAL RES. 62- Psychol. Assn; Parapsychol. Assn. (pres). Extrasensory perception; emotions and hallucinatory behavior of terminal patients; altered states of consciousness. Publ: Test of the occurrence of a psi effect between man and the cat & Deathbed observations by physicians and nurses, Parapsychol. Monogr; co-auth. ESP over distance: a survey of experiments published in English, J. Am. Soc. Psychical Res. 1/65. Address: 10 Douglas Rd, Glen Ridge, N.J. 07028.

OSKAMP, DR. STUART, b. Oak Park, Ill, May 31, 30; m. 55; c. 2. SOCIAL PSYCHOLOGY. B.A. Grinnell Col. 51; U.S. Pub. Health Serv. fel. Stanford, 56-57, Ph.D. 60. Asst. psychol. Center Adv. Studies Behav. Sci. Calif, 56; Stanford, 57-59; trainee clin. psychol. Vet. Admin. Ment. Hyg. Clin. San Francisco, 59-60; asst. prof. PSYCHOL. CLAREMONT GRAD. SCH. 60-64, ASSOC. PROF. 64-, CHMN. GRAD. FACULTY PSYCHOL., 67-, consult. Ford Found. teaching team proj. 61. Trainee, Vet. Admin. Hosp. Palo Alto, 57-59; res. psychologist, Palo Alto Med. Res. Found. 60-; field assessment officer, U.S. Peace Corps, 63-; psychologist, Tri-City Ment. Health Authority, Pomona, Calif. 64-66; res. assoc. inst. soc. res. Michigan, 66-67. U.S.N. 51-55, Res. 55-, Lt. Psychol. Assn. Human judgment processes and clinical prediction; group dynamics; attitude and opinion research; contemporary social issues such as civil rights movement, nationalism. Publ: The relationship of clinical experience and training methods to several criteria of clinical prediction, Psychol. Monogr. 62; Attitudes toward U.S. and Russian actions: a double standard, Psychol. Reports, 65; co-auth. Factors affecting cooperation in a prisoner's dilemma game, J. Conflict Resolution, 65. Address: Dept. of Psychology, Claremont Graduate School, Claremont, Calif. 91711.

OSLER, DR. SONIA F (ELLNER), b. Pruchnik, Poland, Oct. 10, 12; nat; m. 38; c. 1. PSYCHOLOGY. Ph.D. (psychol), Hopkins, 53. Mgr. pub. housing, New York Housing Authority, 39-49; instr. psychol, Hopkins, 51-54; asst. prof.

Goucher Col. 54-58, assoc. prof. 58-62; assoc. prof. med. psychol. & pediat. sch. med. Hopkins, 62-68; PROF. PSYCHOL. ADELPHI, 68- AAAS; fel. Psychol. Assn; Soc. Res. Child Develop; Psychonomic Soc. Nature of intelligence; mental retardation; cognitive function. Publ: Effects of stimulus complexity upon concept attainment at two levels of intelligence, J. Exp. Psychol; Stimulus uncertainty as a variable in the development of conceptual ability, 65 & Structure and strategy in concept learning, 66, J. Exp. Child Psychol. Address: Dept. of Psychology, Adelphi University, Garden City, N.Y. 11530.

OSOINACH, PROF. JOHN C (AMPBELL), b. Washington, D.C. Sept. 22, 17; m. 42; c. 2. SOCIOLOGY, PHILOSOPHY. B.S. Cornell, 40; Southwestern at Memphis, 47-48; M.A. Illinois, 53, Ph.D. 58. Asst. sociol. Illinois, 50-54; asst. prof. sociol. & philos. Midwestern, 57-61; via. lectr. SOCIOL. Southwestern at Memphis, 61-63; PROF. ARKANSAS STATE, 63- U.S.A.A.F. 42-45, Sgt. Sociol. Assn; Philos. Assn. Publ: Socio-economic rank in urban research, Am. Sociol. Rev. Address: Division of Political Science, Sociology & Geography, Arkansas State University, State University, Ark. 72467.

OSPOVAT, DR. ALEXANDER M (EIER), Hist. of Sci, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

OSSE, DR. HARRY, b. London, Eng. Aug. 11, 27; m. 57; c. 3. PSYCHOLOGY. B.A. Queens, 58; Ph.D. (psychol), Cornell, 64. Asst. prof. psychol. York, 63-65; med. psychol. sch. med. Hopkins, 65-67; ASSOC. PROF. PSYCHOL., SAN FRANCISCO STATE COL. 67- R.N. 45-47, R.N.R. 47- AAAS; Psychol. Assn; Soc. Res. Child Develop. Language development in children; communication of emotion in speech; developmental studies in perception. Publ: Co-auth. Contemporary issues in developmental psychology, Holt, 68 & A cross cultural study of speech rate, Lang. & Speech, 4-6/64; auth. Teaching machines: a brief critique of theory and methodology, In: Ont. J. Ed. Res. autumn 65. Address: Dept. of Psychology, San Francisco State College, 1600 Holloway Ave, San Francisco, Calif. 94132.

OST, DR. JOHN W (ILLIAM) P (HILIP), b. Brooklyn, N.Y., Feb. 14, 31; m. 54; 67; c. 5. PSYCHOLOGY. B.A. Duke, 53, U.S. Pub. Health Serv. fel. & Ph.D. (psychol), 60; N.C. State Col. 56-57. U.S. Pub. Health Serv. res. fel. 60-62; ASST. PROF. PSYCHOL. INDIANA, 62- U.S.N. 53-56, Res. 56-, Lt. Comdr. Psychol. Assn; Psychonomic Soc. Classical conditioning in human and infra human, especially Pavlovian techniques. Publ: Co-auth. A conditioned inhibitory process in eyelid conditioning, J. Exp. Psychol. 61: 150-156. Some investigations of classical salivary conditioning in the dog, In: Classical conditioning: a symposium, Appleton, 65 & Classical differential salivary conditioning in dog: the effect of three CS-US intervals, Psychol. Reports, 68. Address: Dept. of Psychology, Indiana University, Bloomington, Ind. 47401.

OSTEEN, DR. ARTHUR M (ARION), b. Durham, N.C. June 30, 30. POLITICAL SCIENCE. B.A. Duke, 52, M.A. 54; Ph.D. (for. affairs), Virginia, 61. Instr. English, Clemson Col. 56-58; consult. Africa-Asia Pub. Serv. fel. prog. Syracuse, 61-62, exec. dir. 62-66; ASST. DIR. CENTER INT. PROGS. & SERV. N.Y. STATE ED. DEPT. 66- U.S.A. 53-56. Polit. Sci. Assn; Asn. Asian Studies; Soc. Int. Law. Territorial claims to the bed of the sea. Address: 75 Willett St, Albany, N.Y. 12210.

OSTER, PROF. CLINTON V (ICTOR), b. Danzig, N.Dak. Oct. 1, 20; m. 46; c. 2. ECONOMICS. B.A. Montana State, 46; M.A. Ohio State, 49, Ph.D. (econ), 53. Asst. ECON. OHIO STATE, 46-47, asst. instr. 47-48, instr. 48-53, asst. prof. 53-56, assoc. prof. 56-61, PROF. 61-, ASSOC. DEAN. COL. ADMIN. SCI. 68-, univ. controller, 63-68. Summer, vis. prof. univ. & res. consult. econ. res. center, Hawaii, 63. Dept. finance dir. State of Ohio, 59-61. Econ. Assn; Statist. Assn; Soc. Pub. Admin; Nat. Tax Assn. Cost of tax compliance; state government finance. Publ: Retail sales taxation; co-auth. Compliance costs and the Ohio axle mile tax, Nat. Tax J. & Real property taxation of farm lands and structures, Ohio State Univ. J. Address: College of Administrative Science, Ohio State University, 1775 S. College Rd, Columbus, Ohio 43210.

OSTER, DR. ROBERT J (OSEPH), b. South Gate, Calif, July 16, 41; m. 63; c. 1. ECONOMICS. A.B. Occidental Col. 63; M.A. California, Berkeley, 65, Ph.D. (econ), 67. ECONOMIST, BANK OF AMERICA, 66- Econ. Assn; Statist. Assn; Econometric Soc. Capital theory and the measurement of the cost of capital; econometric forecasting; commercial bank asset management. Address: Bank of America, 300 Montgomery St, San Francisco, Calif. 94120.

OSTERBERG, DR. WESLEY, b. Norway, Mich. Nov. 22, 17; m. 48; c. 3; div. PSYCHOLOGY. Ph.B. Wisconsin, 42, M.S. 47; fel. Mass. Inst. Tech; Ph.D. (psychol), Western Reserve, 49. Asst. prof. psychol. Illinois, 49-50; mgr. personnel res. Prudential Ins. Co. 50-55; sr. assoc. Bruce, Payne & Assocs. 55-56; v-pres. Denver Div. Tulsa Rig. Reel & Mfg. Co. 56-64; assoc. prof. psychol. Colorado State, 65-67; PRIVATE CONSULT. 68- U.S.A. 43-45. Group dynamics; supervisory training; motivation. Publ: Psychological factors in union-management bargaining, Personnel Psychol; Training that modified foremen's behavior & Building a supervisory test, Personnel J. Address: Rt. 3, Box 329, Longmont, Colo. 80501.

OSTERBUND, PROF. CARTER C (LARKE), b. Richmond, Va, July 24, 13; m. 39; c. 3. ECONOMICS. B.S. Va. Polytech, 34, fel. 35-36, M.S. 36; fel. Virginia, 37-38; Ph.D. (econ), American Univ. 53. Instr. econ. Susquehanna, 38-40, asst. prof. 40-42; acct. & econ. Va. Polytech, 42-43; economist, Off. Price Admin. 43-44, 45-47; price analyst, U.S. Army Air Force, 44-45; lectr. American Univ. 47-49; economist, U.S. Bur. Labor Statist. 49-50; assoc. res. prof. FLORIDA, 50-58, RES. PROF. 58-, DIR. BUR. ECON. & BUS. RES. 61- Econ. Assn; Mkt. Assn; fel. Gerontol. Soc. Marketing; regional economics; construction. Publ: Co-auth. Florida's older people; Residential mortgage financing; Florida's commercial fisheries. Address: 2105 N.W. Seventh Lane, Gainesville, Fla. 32601.

OSTERGREN, CLARENCE N (APOLEON), b. Portland, Conn. Nov. 17, 98; m. 25; c. 2. ECONOMICS. Ph.B. Yale, 17, Am. Scandinavian Found. fel. 19-20; M.A. N.Y. Univ. 59. Asst. prof. elec. eng. Ga. Inst. Tech. 20-21; eng.

economist, New York Tel. Co, 21-36; Am. Tel. & Tel. Co, 36-59, dir. eng. econ, 59-62; vis. prof. pub. utility regulation, Stanford, 62-63; CONSULT. ECONOMIST, 63- Eng. econ. consult, Int. Tel. & Tel. Co, 62-; United Tel. Syst, 65- Econ. Asn; Inst. Elec. Eng. Economics of capital investment in utility companies; determination of real corporate income when the value of the dollar is unstable. Publ: Inflation and the measuring of corporation income; co-auth, Depreciation engineering practices, 60 & Engineering economy, 62, Am. Tel. & Tel. Co. Address: Apt. 1A Drake, Garthwoods, Scarsdale, N.Y. 10583.

OSTERWEIL, DR. JERRY, b. Brooklyn, N.Y., May 20, 25; m. 49; c. 4. CLINICAL PSYCHOLOGY. A.B. Chicago, 46, Ph.D., 54. U.S. Pub. Health Serv. fel, Menninger Found, Kans, 54-56; superv. clin. psychologist, East. Pa. Psychiat. Inst, 56-58, sr. res. fel, 58-59; assoc. psychol. in psychiat, sch. med, Pennsylvania, 59-62, clin. psychologist, student health serv, univ. hosp, 60-62, field assessment officer, univ, 62; field selection officer, Peace Corps, 62-64, CHIEF classification br, div. selection, 64; state plans sect, community ment. health facilities br, NAT. INST. MENT. HEALTH, 64-66, comprehensive planning sect, TECH. PROGS. ASSISTANCE BR, 66-67, DIV. MENT. HEALTH SERV. PROGS, 67- Lectr, Washburn, 54-55; private practice, 57- Consult, Del. County Juvenile Court, Media, Pa, 58- Mem. comprehensive health planning & develop. adv. cmt, Off. Surgeon Gen, U.S. Pub. Health Serv. Fel. AAAS; fel. Psychol. Asn; fel. Orthopsychiat. Asn; fel. Soc. Proj. Tech; Pub. Health Asn. Personality theory; psychotherapy; psycho-diagnostic testing; community mental health; mental health planning. Publ: School psychology and comprehensive community mental health planning, Community Ment. Health J, summer 66; Applications of epidemiological findings in mental health planning, Psychiat. Epidemiol. & Ment. Health Planning, 4/67; Mental health planning: prelude to comprehensive health planning, Proc. N.Y. Acad. Med, 4/67. Address: 4977 Battery Lane, Bethesda, Md. 20014.

OSTHEIMER, DR. JOHN MAURICE, b. West Chester, Pa, Nov. 22, 38; m. 63; c. 3. POLITICAL SCIENCE. B.A. Yale, 60, Hochschule, 62, Sterling fel, 63, M.A., 64, Ph.D.(int. rels), 67. Instr. POLIT. SCI, Univ. Col. Dar es Salaam, 64-66; Albertus Magnus Col, 66-67; ASST. PROF, NORTHERN ARIZONA, 67- Instr, South. Conn. State Col, 66-67. Polit. Sci. Asn. Achievement motivation testing and political implications for economic development in underdeveloped countries. Address: 1968 N. Crescent Dr, Flagstaff, Ariz. 86001.

OSTHEIMER, DR. RICHARD H(ARMON), b. Brooklyn, N.Y., June 9, 22; m. 47; c. 5. ECONOMICS, STATISTICS. A.B. Columbia, 43, M.A., 46, Ph.D.(econ), 53. Economist, res. staff, Cmn. Financing Higher Ed, 49-52; asst. res. dir, LIFE MAG, 52-57, res. dir, 58-64, CORP. RES. DIR, 64- AAAS; Econ. Asn; Statist. Asn; Mkt. Asn. Application of techniques of statistics, economics, and mathematics to general economics, market research, and business management. Publ: Student charges and financing higher education; A statistical analysis of the organization of higher education in the U.S., 1948-1949. Address: 56 Old Highway, Wilton, Conn. 06897.

OSTLE, DEAN BERNARD, Statist, see Suppl. V to 11th ed, Phys. & Biol. Vols.

OSTLUND, DR. L(EONARD) A(LEXANDER), b. New York, N.Y., July 1, 10; m. 38. SOCIAL PSYCHOLOGY. B.A. Colgate, 48; M.Ed, Clark, 50; fel, Kansas, 50-53, Ph.D.(soc. psychol), 53. Asst. prof. psychol. & sch. exam, Okla. State, 53-56; asst. prof. psychol. & counseling trainer, psychol. clin, Kent State, 56-60; assoc. prof. human rels, OHIO, 60-68, PROF. ED, 68- Fulbright vis. prof, Rennes, 58, Bordeaux, 59. Consult, Nat. Sci. Found; Am. Asn. Adv. Sci. French translator & reviewer, Psychol. Abstracts. U.S.N., 44-46. Psychol. Asn. Group dynamics; human relations; counseling; French culture. Publ: Opinions on handicapped, Rehabilitation, 67; Case discussion, J. Human Rel, 68; French education, In: Education in contemporary cultures, Burgess, 68. Address: College of Education, Ohio University, Athens, Ohio 45701.

OSTRANDER, DR. EDWARD R(OBERT), b. Waterbury, Conn, Dec. 24, 27; m. 51; c. 1. SOCIAL PSYCHOLOGY. B.A. Syracuse, 50; M.A. Illinois, 51, Ph.D.(psychol), 58. Field rep, Opinion Res. Corp, N.J., 51-54; asst, Illinois, 54-57; asst. prof. psychol, Gettysburg Col, 57-60; Elmira Col, 60-67; ASSOC. PROF. TEXTILES & CLOTHING, COL. HOME ECON, CORNELL, 67- U.S.A., 45-47. Psychol. Asn. Social perception; motivation in academic and industrial setting; human interaction in small groups; consumer behavior; creativity. Address: 207 Martha Van Ren, Cornell University, Ithaca, N.Y. 14850.

OSTRANDER, F(RANK) TAYLOR, JR, b. Pittsburgh, Pa, Nov. 1, 10; m. 34, 51; c. 4. ECONOMICS. B.A. Williams Col, 32; Henry fel, Oxford, 32-33. Instr. econ, Williams Col, 34-35; economist, U.S. Dept. Treas, 36-40; Off. Price Admin. & Civilian Supply & War Prod. Bd, 41-42; consult, Pittsburgh Plate Glass Co, 43-44; chief price control, Off. Mil. Govt. of U.S. Germany, 45-48; econ. cmnr, Paris Regional Off, Marshall Plan & Mutual Security Agency, France, 48-53; exec. secy. new bus. cmt, AM. METAL CLIMAX, INC, 54-57, asst. to chmn, 57-67, ASST. TO PRES. & DIR. INT. ECON, 67- Mem. Coun. For. Rel, 55-; commercial policy & investment cmt, U.S. coun, Int. Chamber Commerce, 60-; African Adv. Coun, U.S. State Dept, 62-; int. cmt, U.S. Chamber Commerce, 64-; v-pres, African Am. Chamber Commerce, 64-67, pres. & dir, 67-; chmn. Africa Cmt, Nat. For. Trade Coun. Alternate dir, Roan Selection Trust, Zambia, 67-; dir, Botswana RST Ltd. Econ. Asn; Nat. Asn. Bus. Econ; Soc. Int. Develop; fel. African Studies Asn. Africa; foreign economic policy; international investment and development. Address: 72 Leroy Rd, Chappaqua, N.Y. 10514.

OSTRAU, DR. ELEANOR TANANBAUM, b. New York, N.Y., Aug. 20, 26; m. 55; c. 2. POLITICAL SCIENCE. A.B. Cornell, 47, A.M., 48, Ph.D.(govt), 52. Researcher, Coun. For. Rel, 52; res. analyst Italy, off. intel. res, U.S. Dept. State, 52-53; instr. POLIT. SCI, Hunter Col, 54-56; asst. prof. STERN COL. WOMEN, YESHIVA, 62-66, ASSOC. PROF, 66- Researcher, World War II diplomacy for Hon. W.A. Harriman, 53-55; mem, Ford. Found. Seminar Col. Teaching, Hunter Col, 55-66; N.Y. State Bd. Regents study grant,

Seminar Middle East, Columbia, summer 63. Polit. Sci. Asn. Comparative government; political theory; current Italian politics, primarily Christian Democratic party; Italian Jesuit politics after 1850. Publ: Co-auth, Italy, In: Americana Annual, 50, 52; Selected bibliography on Italian Christian democracy, In: Christian democracy in France and Italy, Einaudi-Goguel, 52; contrib, Dictionary of political science, Dunner, 64. Address: 3 Well House Close, Mamaroneck, N.Y. 10543.

OSTRIC, PROF. ANTHONY, b. Pag, Croatia, June 9, 13; nat; m. 50; c. 4. SOCIOLOGY, ANTHROPOLOGY. Sociol. license, Geneva, 46, Ph.D.(sociol), 50; Fribourg, 47-48; Columbia, 53. Asst. librn, univ. library, Fribourg, 51-52; sociol. researcher, Mid-European Studies Center, N.Y., 52-53; library asst, N.Y. Pub. Library, 54-57; soc. sci. analyst, U.S. Dept. Agr. & asst. sociologist, Miss. State, 57-58; asst. prof. sociol. & head dept, Rockhurst Col, 58-63; assoc. prof. sociol. & anthropol, St. Mary Col.(Kans), 63-65; from assoc. prof. to PROF. SOCIOL. & ANTHROP. & HEAD DEPT, ST. MARY'S COL, NOTRE DAME, 65- Nat. Sci. Found. res. grant, 63; vis. prof, Notre Dame, summers, 66, 67 & fall 67. Sociol. Asn; Anthropol. Asn. Sociological theory; sociological thought; prehistory; cultural and general anthropology; family; general sociology. Publ: La structure et les moeurs de la société Croate, 50. Address: 1114 Foster Ave, South Bend, Ind. 46617.

OSTRICH, RALPH, b. Washington, D.C., June 28, 26; m. 55; c. 2. PSYCHOLOGY, HISTORY. B.A. George Washington, 50, M.A., 53. Psychologist, civil aeronaut. admin, U.S. Dept. Commerce, 53-56; res. psychologist, Am. Inst. Res, 56-57; res. assoc, grad. sch. pub. health, Pittsburgh, 58-60; ops. res. analyst, Ops. Res. Inc, 60-61; STRATEGIC STUDIES ANALYST, RES. ANAL. CORP, 62- U.S.A., 45-46, Res, 53-67, Capt. Asn. Adv. Slavic Studies; Hist. Asn. Russian and East European history and general studies; strategic and political studies; intelligence data analysis. Publ: Major factors of success and failure in guerrilla war, Greece, 1946-1949, Res. Anal. Corp, 63; co-auth, Studies with the displacement, velocity, and acceleration ballistocardiograph in aortic insufficiency, Am. Heart J, 54; The performance of albino mice in the maze situation utilizing gravitation and vestibular sense as motivation, J. Genetic Psychol, 55. Address: 2400 41st St. N.W., Washington, D.C. 20007.

OSTROM, DR. ELINOR, b. Los Angeles, Calif, Aug. 7, 33. POLITICAL SCIENCE. A.B. California, Los Angeles, 54, M.A., 62, Charles F. Scott fel, 62-63, Ph.D.(polit. Sci), 65. Vis. asst. prof. govt, INDIANA, 65-66, ASST. PROF. GOVT. & GRAD. ADV, 66- Political behavior; political theory; American government; non-market decision-making. Publ: A behavioral approach to the study of intergovernmental relations, The Annals, 5/65. Address: Dept. of Government, Indiana University, Bloomington, Ind. 47401.

OSTROM, DR. GENE F, b. Louisa, Va, Mar. 18, 29; m. 55; c. 2. CLINICAL PSYCHOLOGY. B.A. George Washington, 53, M.A., 56; Nebraska, 57-59; Ph.D.(psychol), La. State, 62. Psychol. clerkship, med. integration & rehab. unit, George Washington, 55-56; staff psychologist, Bryce Hosp, Ala, 56-57; asst, counseling serv, Nebraska, 57-58; intern psychol, Wichita Guid. Center, Kans, 58-59; staff psychologist, Southeast La. State Hosp, 61-62, dir. res. & training PSYCHOL, 62-63; CHIEF, CROWNSVILLE STATE HOSP, 63- Instr, exten. serv, La. State, 62-63; instr. med. psychol, Hopkins, 65- Consult. psychologist, La. State Dept. Hosps, 59-63; consult. clin. psychol, Hartford County Ment. Hyg. Clin, Md, 63- U.S.A., 53-55. Psychol. Asn. Psychological measurement and evaluation; objective psychological testing; psychotherapy. Address: Psychology Services, Crownsville State Hospital, Crownsville, Md. 21032.

OSTROM, DR. STANLEY R(USSELL), b. Warren, Minn, Jan. 16, 14; m. 39; c. 2. EDUCATIONAL PSYCHOLOGY. B.S. Concordia Col.(Moorhead, Minn), 35; M.A. Minnesota, 43; D.Ed.(ed. psychol), Syracuse, 48. Suprv. guid. serv, State Dept. Ed, Del, 48-50; coordinator, child welfare serv, pub. schs, Long Beach, Calif, 50-53; dir. test develop, Calif. Test Bur, 53-63; adv. analyst, Serv. Bur. Corp, 64-65; ASST. DIR. GUID. & TESTING, SANTA CLARA COUNTY OFF. ED, 65- Psychol. Asn; Personnel & Guid. Asn. Evaluation and measurement; counseling. Publ: The OL key of the strong vocational interest blank for men and scholastic success at college freshman level & The OL key of the strong test and drive at the twelfth grade level, J. Appl. Psychol. Address: 1953 Colleen Dr, Los Altos, Calif. 94022.

OSTROM, DR. THOMAS M(ARSHALL), b. Mishawaka, Ind, Mar. 1, 36; m. 58; c. 2. PSYCHOLOGY. A.B. Wabash Col, 58; M.A. & Ph.D.(psychol), North Carolina, 64. Instr. PSYCHOL, Wabash Col, 58-59; North Carolina, 64; ASST. PROF, OHIO STATE, 64- Merston Cmt. Ed. in Nat. Security res. grant, 66-68; Am. Asn. Ment. Deficiency res. grant, 67-69. Consult, Am. Asn. Ment. Deficiency, 66- AAAS; Psychol. Asn; Soc. Sci. Study Relig. Attitude change and measurement; social judgment, methodology and statistics. Publ: Perspective as an intervening construct in the judgment of attitude statements, J. Personality & Soc. Psychol, 66; sr. auth, A cognitive model of attitudinal involvement, In: Theories of cognitive consistency, Rand McNally, 68; co-auth, Psychological foundations of attitude, Academic, 68. Address: Dept. of Psychology, Ohio State University, 1945 N. High St, Columbus, Ohio 43210.

OSTROM, PROF. VINCENT (ALFRED), b. Nooksack, Wash, Sept. 25, 19; m. 41; c. 2. POLITICAL SCIENCE. A.B. California, Los Angeles, 42, A.M. 45, Ph.D., 50. Asst. prof. polit. sci, Oregon, 49-54, assoc. prof, 54-58, assoc. dir, Pac. Northwest coop. prog. ed. admin, 51-57; assoc. prof. polit. sci, California, Los Angeles, 58-64; PROF. GOVT, INDIANA, 64- Soc. Sci. Res. Coun. faculty res. fel, 54-; fel, Center Adv. Study Behav. Sci, 55-56. Consult, Alaska Constitutional Convention, 55-56. Mem. consult. team merger study, Louisville-Jefferson County Pub. Schs, 66; task group human uses atmosphere, Nat. Center Atmospheric Res, 66-67. Polit. Sci. Asn; Soc. Pub. Admin.(ed-in-chief, Pub. Admin. Rev, 63-66); Am. Geog. Soc; Regional Sci. Asn. Local government; natural resource policy; political behavior. Publ: Water and politics, a study of water policies and administration in the development of Los Angeles; co-auth, The organization of government in metropolitan areas: a theoretical inquiry, Am. Polit. Sci. Rev, 12/62; auth, A continental water system. Political feasibility, Bull. Atomic Scientists, 9/67. Address: Dept. of Government, Indiana University, Bloomington, Ind. 47405.

- OSTRY, DR. SYLVIA, b. Winnipeg, Man, June 3, 27; m. 56; c. 2. LABOR ECONOMICS. B.A. McGill, 48, Ph.D. 54; Arthur Tagge Moyse traveling fela, Cambridge, 48-49, 50-51. Lectr. econ. Sir Geo. Williams, 48-54; asst. res. officer, inst. statist. Oxford, 55-57; asst. prof. McGill, 58-62; assoc. prof., Montreal, 62-64; asst. dir. labour div. DOM. BUR. STATIST., 64-66, DIR. SPEC. MANPOWER STUDIES, 66- Lectr. McGill, 53-55. Consult. Senate of Can, 60-61; Govt. of Man, Can, 61-62; consult. on manpower, Econ. Coun. Can, 64-66; Dept. Manpower & Immigration, 66- Am. Econ. Asn.; Indust. Rels. Res. Asn.; Can. Econ. Asn.; Can. Polit. Sci. Asn.; Royal Econ. Soc. Labor economics and policy. Publ: Co-auth. Labour policy and labour economics in Canada, Macmillan Ltd, 62; auth. The female worker & Occupational composition of the Canadian labour force, Queen's Printer, 68. Address: Aylmer Rd, R.R. 2, Aylmer East, Que, Can.
- OSTWALD, DR. PETER F (REDERIC), b. Berlin, Germany, Jan. 5, 28; m. 60; c. 2. PSYCHIATRY. A.B. California, 47; M.D. California, Berkeley, 50. Intern. San Francisco Hosp, 50-51; res. psychiatrist, Payne Whitney Clin, N.Y. 51-53, 55-56; clin. instr. LANGLEY PORTER INST, CALIFORNIA, 56-57, assoc. res. psychiatrist, 57-59, asst. clin. prof. PSYCHIAT, 58-64, ASSOC. PROF. 64- Instr. Cornell, 55-56; sr. resident, Langley Porter Neuro-psychiat. Inst, 56-57; Foundations Fund Res. Psychiat. res. grants, 61-63; proj. dir. Voc. Rehab. Admin, 67-68. Psychiat. consult. Voc. Rehab. Serv, 58- Dipl. Am. Bd. Psychiat. & Neurol, 57. AAAS; Psychiat. Asn; Am. Med. Asn; Nat. Soc. Study Commun; Col. Psychiat. Acoustically mediated communication processes in health and disease; psychiatric management of speech, hearing, and language disorders; function of sonic cues in emotional interactions. Publ: Soundmaking—the acoustic communication of emotion, C.C. Thomas, 63; Acoustic manifestations of emotional disturbance, Disorders Commun, 42: 450-465; Acoustic methods in psychiatry, Sci. Am, 212: 82-91. Address: Dept. of Psychiatry, University of California School of Medicine, San Francisco, Calif. 94122.
- OSTWALT, DR. JAY HAROLD, b. Statesville, N.C., Jan. 28, 13; m. 57. EDUCATIONAL PSYCHOLOGY. A.B. Davidson Col, 35; M.A. Duke, 39, Ph.D. (ed. psychol), 52. Assoc. prof. ed. Flora Macdonald Col, 37-39; instr. Duke, 39-40; teacher soc. sci. high sch. N.C., 40-41; assoc. prof. ed. & psychol, Davidson Col, 48-60; dean students & prof. psychol, Med. Col. Va, 60-61; assoc. prof. ED. & PSYCHOL, DAVIDSON COL, 61-67, ASSOC. DEAN FACULTY, 67- U.S.A.F., 35-46, Res, 46-65, Col. Nat. Soc. Study Ed; Psychol. Asn. Small amount of research in learning; limited research on prediction of academic success from multiple factors. Address: Dept. of Education & Psychology, Davidson College, Davidson, N.C. 28036.
- O'SULLIVAN, CURTIS H (OOPER) (ANTHONY), b. San Francisco, Calif, Sept. 15, 22; m. 60; c. 2. PUBLIC ADMINISTRATION. A.B. California, 47; dipl. Command & Gen. Staff Col, 51; Indust. Col. of Armed Forces, 55. Bd. adv. 12th U.S. Civil Serv. Regional Off, 51-53; placement officer & asst. exec. secy, civilian personnel off, 12th Naval Dist. Hq, 54-61; ASST. PERSONNEL OFFICER, WEST. REGION, NAT. PARK SERV, 61- Nat. Guard, 40-, Col. Acad. Polit. & Soc. Sci; Polit. Sci. Asn; Hist. Asn; Soc. Pub. Admin. Federal personnel administration; military science and administration; military history. Address: 480 Markham Dr, San Bruno, Calif. 94066.
- OSUSKY, DR. STEFAN, b. Brezova, Slovakia, Mar. 31, 89; m. 19; c. 3. INTERNATIONAL AFFAIRS. J.D. & Ph.B. Chicago, 15; LL.D. Dijon, 36. Envoy extraordinary & minister plenipotentiary of Czech, Gt. Brit, 18-21; France, 21-40; minister state, Czech. Govt. in exile, London, 40-42; lectr. European reconstruct, Oxford, 42-45; vis. prof. European civilization & culture, Colgate, 46-50; CONSULT, FREE EUROPE CMT. & MEM. INT. CMN. JURISTS. Lectr. Charles Univ, Prague; cols. & univs, U.S., 45- Secy. gen. & del. Czech. del. Paris Peace Conf, 19-20; rep. from Czech, Poland, Rumania, Yugoslavia & Greece, Reparations Cmn; Czech. del. Assembly League of Nations, 20-37, mem. suprvy. cmt, 21-37, chmn, 23-37. Karlík prize, 34; grand officer, Legion of Honor, France; Grand Cross of the Blue Star; grand officer, Order of Holy Redeemer, Greece; Order White Eagle, Yugoslavia; grand cross, Order Polonia Restituta, Poland; Order Great Star, Rumania. Acad. Diplomatique. Problem of raw materials and its influence on European destiny. Publ: The way of the free, U.S. ed, Dutton, 51, Chinese ed, Union Press, Hong Kong, 53, Italian ed, Sperling & Kupfer, 54; Reparations, In: Dictionary of public law, Prague, 34. Address: Quebec House North, Apt. 421, 2801 Quebec St. N.W., Washington, D.C. 20008.
- OSWALT, PROF. EDNA RICKEY, b. Albany, Ohio, Apr. 22, 97; m. 25, 43. PSYCHOLOGY. A.B. Ohio, 17, B.S. 20; M.A. Ohio State, 21, Ph.D. (exp. clin. psychol), 24. Psychologist, State Bur. Juvenile Res, Ohio, 20-24; supv. teacher spec. ed, Columbus Norm. Sch. 24-31; dir. private sch. problem children, Columbus, 31-34; supvr. spec. ed. & assoc. dir. psycho-ed. clin. West. State Teachers Col, Mich, 34-36; asst. prof. psychol. Kent State, 36-37, assoc. prof, 37-46, prof, 46-59, dir. psychol. clin, 36-46, head dept. spec. ed, 47-59; prof, Westminster Col, 59- Mem. Coun. Exceptional Children. AAAS; fel. Psychol. Asn; Asn. Ment. Deficiency. Psychological problems of children and family; endocrinology; exceptional children. Address: Box 121, Hiram, Ohio 44234.
- OSWALT, PROF. JESSE H (ARRELL), b. Maben, Miss, May 16, 23; m. 51; c. 3. INDUSTRIAL ENGINEERING. B.S. Miss. State, 48; M.S. Ga. Inst. Tech, 61. Teacher, high sch, Miss, 53-54; process engr, Am. Bosch Arms Corp, 54-56; ASSOC. PROF. INDUST. ENG, MISS. STATE, 56- Consult. Voc. Rehab. Workshop Prog, 63- U.S.A.F., 42-46, 50-52, Res, 52-, Lt. Col. Inst. Indust. Eng; Soc. Eng. Ed. Determination of method for use of high-way planners to estimate contract work days; application of industrial engineering principles to work methods and training for handicapped workers. Publ: Co-auth. An investigation of some factors affecting the hand quality picking of small objects, J. Indust. Eng, 5-6/59. Address: Mississippi State University, Drawer U, State College, Miss. 39762.
- OSWALT, DR. WENDELL H (ILLMAN), b. Youngstown, Ohio, June 26, 27; m; c. 3. ANTHROPOLOGY. A.B. Alaska, 52; fel. Arizona, 54, Ph.D. 59. Asst. mus, Alaska, 47-51, res. assoc. ANTHROP, 55-59; ASST. PROF, CALIFORNIA, LOS ANGELES, 59- U.S.C.G., 45-46. Anthropol. Asn; Soc. Am. Archaeol. Dendrochronology; socio-cultural anthropology; arctic research. Publ: Mis-
- sion of change in Alaska, Huntington Lib, 63; This land was theirs: a study of the American Indian, Wiley, 66; Alaskan Eskimos, Chandler, 67. Address: Dept. of Anthropology, University of California, Los Angeles, Calif. 90024.
- OTERO, DR. C (ARLOS) P (EREGRIN), Spanish Ling. & Lit, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- OTIS, DR. ARTHUR S (INTON), Psychol, Math, see 9th ed, Soc. & Behav. Vols, deceased 63.
- OTIS, DR. D (ELOS) S (ACKET), b. New York, N.Y., Jan. 17, 98; m. 30; c. 1. ECONOMICS. A.B. Amherst Col, 20; M.A. Wisconsin, 26, Ph.D. (hist), 29. Asst. prof. hist. & mem. exp. col. faculty, Wisconsin, 29-33; admin. asst., div. gen. ed, N.Y. Univ, 36-43; sect. chief, Nat. War Labor Bd, 43-45; wage stabilization dir, Nat. Wage Stabilization Bd, 46; dean instr. in bus. admin, Assoc. Cols. Upper N.Y., 47-49; exec. asst. higher ed, State Ed. Dept, N.Y., 49-51; dir. fed. agencies div, Wage Stabilization Bd, 51-53; salary & wage admin. officer, Off. Qm. Gen, 53-55; wage specialist, Army-Air Force Wage Bd, 55-58, chief anal. br, 58-65; RETIRED. U.S.A., 18. Wage analysis and administration; labor relations. Publ: History of land allotment policy; American history through fiction. Address: 8417 Flower Ave, Takoma Park, Md. 20012.
- OTIS, DR. JACK, b. Feb. 13, 23; m. 50; c. 1. SOCIOLOGY. A.B. Brooklyn Col, 46; M.S.W. Illinois, 48, M.A., 55, Ph.D. (ed), 57. Family case worker, Jewish Soc. Serv. Bur, Miami, Fla, 48-49; psychiat. soc. worker, Free Synagogue Soc. Serv. New York, 49-50; Jamaica Hosp. Vet. Clin, 50; instr. ment. health & clin. work, Illinois, 50-53, asst. prof. ment. health, sex ed. & family life, 53-55, assoc. prof. ment. health, 55-62; soc. admin. adv. U.S. Dept. Health, Ed. & Welfare, 62-65, consult, 62; DIR. SOC. WORK, GRAD. SCH. SOC. WORK, TEXAS, AUSTIN, 65- Summer vis. prof. Mich. State, 60. Ed. consult, President's Cmt. Juvenile Delinquency & Youth Crime, 62- Mem. training panel, U.S. Off. Juvenile Delinquency & Youth Development, 66-67; corrections panel, U.S. Dept. Justice, 66-68; adv. cmt. juvenile probs. cmt, Nat. Inst. Ment. Health, 67-70; bd. overseers, Lemberg Center Study Violence, Brandeis, 67- C. Eng. U.S.A., 43-46. Philos. Ed. Soc. Cultural phenomena; education; mental health. Publ: Co-auth. Corporate society and education; auth. Some problems in the provision of psychotherapeutic services in institutions of higher learning, Bull. Am. Asn. Univ. Profs; Business civilization and the family, Ed. Theory. Address: Graduate School of Social Work, University of Texas, Austin, Tex. 78712.
- OTIS, PROF. JAY L (ESTER), b. Lake Placid, N.Y., Aug. 30, 07; m. 31; c. 2. PSYCHOLOGY. A.B. Pennsylvania, 29, A.M., 31, Ph.D. (psychol), 36. Asst. instr. psychol, Pennsylvania, 29-36, instr. exten. sch, 35-36; sr. tech. asst. in charge criteria, U.S. Dept. Labor, 36, chief data-anal. unit, 36-38; asst. prof. psychol, CASE WESTERN RESERVE, 38-42, head bur. testing & counseling, 39-41, dir. personnel res. inst, 41-50, assoc. prof. psychol, 42-44, dir. res. & serv. center, 50-54, PROF. PSYCHOL, 44-, DIR. PSYCHOL. RES. SERV, 54- Fel. Psychol. Asn; Personnel & Guid. Asn. Employee attitudes; accident prevention; vocational guidance; selection; wage and salary administration. Address: Dept. of Psychology, Case Western Reserve University, Cleveland, Ohio 44106.
- OTIS, DR. LEON S (PELLEY), b. Chicago, Ill, July 2, 24; m. 48; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Chicago, 51, U.S. Pub. Health Serv. fel, 53-54, Ph.D. (psychol), 56; U.S. Pub. Health Serv. fel, Ill. Neuropsychiat. Inst, 54-55. Res. assoc, Ill. Neuropsychiat. Inst, 55-56; instr. psychol. & Nat. Inst. Ment. Health fel, Iowa, 56-57; asst. prof, Hopkins, 57-60; CHMN. BIO-BEHAV. SCI. DEPT, STANFORD RES. INST, 60-, ASSOC. DIR. BIOBEHAV. SCI. LIFE SCI. DIV, 68- Consult. psychopharmacol. serv. center, Nat. Inst. Ment. Health, Md, 58-62. U.S.A.A.F., 43-47, 1st Lt. AAAS; Psychol. Asn. Motivation; interoceptive conditioning; early experience; effects of drugs on animal and human behavior; psychopathology and behavioral disturbances; validity and reliability of behavioral measures. Address: Bio-Behavioral Sciences Dept, Stanford Research Institute, Menlo Park, Calif. 94025.
- O'TOOLE, PROF. A (LPHONSUS) L (AWRENCE), b. Peterboro, Can, Apr. 11, 02; nat. MATHEMATICAL STATISTICS. B.A. Toronto, 23; John Marshall Law Sch, 25-26; Chicago, 25-28, 38-42; M.S. Michigan, 30, Ph.D. (math. statist), 31; Ed.D., Harvard, 52. Nat. Res. Coun. fel, Minnesota, 31-32; prof. math, Mary Manse Col, 32-35; Col. of St. Catherine, 35-38; Mundein Col, 39-41; depreciation engr, Fed. Communications Cmn, 41-46; chief admin. anal. div, res. serv. coordination & planning, Vet. Admin, D.C., 46-47; chief res. statistician & chief res. psychologist, Young & Rubicam, Inc, 47-51; dir. res. Medimetric Inst, Inc, 53-55; bus. res. consult, 55-67; prof. actuarial sci. & math, Drake, 59-67; VIS. PROF. ADMIN. SCI, FLORIDA ATLANTIC, 67- U.S.N., 42-46, Comdr. Fel. AAAS; fel. Inst. Math. Statist; Statist. Asn. Sampling theory and design; operations research; curriculum construction; quantitative methods for business decisions; teaching probability and statistics in secondary schools and colleges. Publ: Elementary practical statistics, Macmillan, 64; Symmetric functions in sampling theory; System of frequency curves for which the method of moments is the best method of fitting. Address: College of Business & Public Administration, Florida Atlantic University, Boca Raton, Fla. 33432.
- O'TOOLE, SISTER MARY GEORGE, R.S.M., b. Portland, Maine, June 27, 30. SOCIOLOGY. B.A. St. Joseph's Col. (Maine), 51; M.A. Catholic Univ, 60, Ph.D. (sociol), 64. ASSOC. PROF. SOCIOL, ST. JOSEPH'S COL. (MAINE), 61-, CHMN. DEPT, 64- Nat. Sci. Found. summer res. grant anthrop, Univ. Colorado, 67. Sociol. Soc. Social system analysis of religious communities. Address: Dept. of Sociology, St. Joseph's College, North Windham, Maine 04062.
- OTT, DR. ATTIA FARAG, b. Cairo, Egypt, June 18, 35; m; c. 1. ECONOMICS. Consult. staff mem. ECON. Egyptian Treas. & Commerce Dept, 56-58; asst. prof, SOUTHERN METHODIST, 62-65, ASSOC. PROF, 65- Instr. Cairo, 57-58; res. assoc. Brookings Inst, 64-; dir. res. proj, Am. Bar Found. supported, 67-68. Economet. Soc. Tax policies and systems; fiscal policy; international trade. Publ: Co-auth. Federal budget policy, Brookings Inst, 65. Address: Dept. of Economics, Southern Methodist University, Dallas, Tex. 75222.

OTT, DR. DAVID J (ACKSON), b. Ft. Worth, Tex., Jan. 13, 34; m. 56; c. 1. ECONOMICS. B.A. N.Tex. State Col., 55, M.A. 56; Brookings Inst. fel. Maryland, 59-60, Ph.D.(econ), 61. Asst. prof. ECON. SOUTHERN METHODIST, 60-63, ASSOC. PROF., 63- Res. assoc. Brookings Inst., 62-; staff mem., President's Coun. Econ. Adv., 65; economist, 11th Nat. Bank Region, 66-Consult, Nat. Cmn. Govt. Finance, 61; President's Cmn. Budget Concepts, summer 67. U.S.A.R. 56-57, 1st Lt. Econ. Asn; Finance Asn. Monetary theory. Publ: Co-auth, Federal tax treatment of state-local securities, 63 & Federal budget policy, 65, Brookings; Budget balance and equilibrium income, J. Finance, 65. Address: Dept. of Economics, Southern Methodist University, Dallas, Tex. 75222.

OTT, DR. ROY, JR., b. Conway, Ark., May 1, 23; m. 51; c. 3. ECONOMICS, BUSINESS ADMINISTRATION. B.S., St. Louis, 43; B.S. Hendrix Col., 47; M.A. Vanderbilt, 50, Ford Found. fcls, 56-59, Ph.D.(econ, hist), 59. Economist, Lion Oil Co., 52-55; from asst. prof. to assoc. prof. econ, Harding Col., 55-61; asst. prof. Georgia, 61-62; prof. econ. & bus. admin. & acting head dept, Pepperdine Col., 62-63; ASSOC. PROF. FINANCE, ALABAMA, 63- Econ. Asn. Labor and social security; money and banking; statistics. Address: Dept. of Finance, University of Alabama, Box 2343, University, Ala. 35486.

OTTE, PROF. HERMAN F (FREDERICK), b. Colfax Co, Nebr., Mar. 4, 02; m. 31; c. 1. ECONOMIC GEOGRAPHY. B.S. Nebraska, 28, M.A. 29; Ph.D. (geog), Columbia, 40. Asst. geog. Nebraska, 28-30; COLUMBIA, 30-31, lectr., 31-37; instr., 37-41, asst. prof. ECON. GEOG., 41-47, assoc. prof., 47-52, PROF., 52- Fel. AAAS; Econ. Asn; Asn. Am. Geog. Raw material and resource position of the United States; locational shifts in manufacturing in the United States: regional economic geography; world resource patterns. Address: 714 Uris Hall, Graduate School of Business, Columbia University, New York, N.Y. 10027.

OTTE, DR. ROBERT C (HARLES), b. Nebr., Aug. 17, 22; m. 54; c. 2. AGRICULTURAL ECONOMICS. B.Sc. Nebraska, 47, M.A. 54; Ph.D.(econ), Wisconsin, 56. Instr. agr. econ, Wisconsin, 55-56; agr. economist, land & water res. br, agr. res. serv. U.S. DEPT. AGR., 56-58, head water utilization sect, 58-61, asst. chief land & water econ. br, ECON. RES. SERV., 61-66, CHIEF LAND RESOURCES BR, NATURAL RESOURCE ECON. DIV., 66- Agr. economist, Agency Int. Develop., Quito, Ecuador, 64-66. U.S.N., 42-45, 51-52. Agr. Econ. Asn; Soil Conserv. Soc. Economics of land use, including development, conservation and land-use shifts. Address: Natural Resources Economics Division, Economic Research Service, U.S. Dept. of Agriculture, Washington, D.C. 20250.

OTTEN, DR. CHARLOTTE MARIE, b. Sheboygan, Wis., May 23, 15. ANTHROPOLOGY. B.A. Carleton Col., 37; M.A. Chicago, 53; Ph.D.(anthrop), Michigan, 61. Res. asst. phys. anthrop, Michigan, 53-58; instr. lab. med, Minnesota, 58-60, ANTHROP., 60; asst. prof. Wisconsin, 60-67; ASSOC. PROF., NORTHERN ILLINOIS, 67- Staff participant, Nat. Insts. Health & Nat. Inst. Dent. Res. training grants, Wisconsin, 64-66; prin. investr. Nat. Sci. Found. res. grants, Wisconsin 66-67; Northern Illinois, 67-68. AAAS; fel. Anthropol. Asn; Asn. Phys. Anthrop; Soc. Human Genetics; Brit. Soc. Study Human Biol; Ethnol. Asn. Physical anthropology; blood group serology; human genetics; salivary blood group antigens and antibodies; annual fluctuations; pathologies; relation to caries; primitive art; role of art in culture. Publ: Co-auth, The unreliability of typing aged bone, Am. J. Phys. Anthrop., 15: 387-398; auth, Non-genetic variations in salivary isoglobulin titer, J. Dent. Res., 45: 1223; On pestilence, diet, natural selection and the distribution of microbial and human blood group antigens and antibodies, Current Anthrop., 8: 209-226. Address: Dept. of Anthropology, Northern Illinois University, DeKalb, Ill. 60115.

OTTERBEIN, DR. KEITH F (FREDERICK), b. Warren, Pa., May 5, 36; m. 65. ANTHROPOLOGY. B.A. Pa. State, 58; A.M. Pennsylvania, 60; Ph.D.(anthrop), Pittsburgh, 63. Asst. prof. res. American Univ., 63-64; ANTHROP., Kansas, 64-66; STATE UNIV. N.Y. BUFFALO, 66-67, ASSOC. PROF., 67- Soc. Ethnologist; fel. Anthropol. Asn; fel. Soc. Appl. Anthropol; Ethnol. Soc; Sociol. Asn. Political anthropology; warfare; law; social organization; cross-cultural methodology; ethnohistory; Caribbean; West Africa. Publ: The Andros islanders: a study of family organization in the Bahamas, Univ. Kansas, 66; Caribbean family organization: a comparative analysis, 67: 66-79 & co-auth, An eye for an eye, a tooth for a tooth: a cross-cultural study of feuding, 67: 1470-82. Am. Anthropologist. Address: Dept. of Anthropology, State University of New York at Buffalo, 4242 Ridge Lea Rd, Amherst, N.Y. 14226.

OTTESON, PROF. SCHUYLER F (RANKLIN), b. Modena, Wis., July 17, 17. ECONOMICS, BUSINESS ADMINISTRATION. Ph.B. Wisconsin, 39, M.B.A., Northwestern, 40; Ph.D. Ohio State, 48. Asst. prof. econ. & bus. admin, Ohio Wesleyan, 43-46; MKT, INDIANA, 46-48, assoc. prof., 48-52, PROF., 52-, CHMN. DBA PROG., 65-, dir. bur. bus. res., 54-60, chmn. dept. mkt., 60-65. Mem. mkt. adv. coun. U.S. Chamber Commerce, 67. Econ. Asn; Mkt. Asn; Statist. Asn. Marketing and business research techniques; economic analysis of communities; credits and collection. Publ: Co-auth, Marketing: the firm's viewpoint, Macmillan, 64. Address: Graduate School of Business, Indiana University, Bloomington, Ind. 47401.

OTTO, PROF. ERICH A, Finance, Bus. Admin, see 10th ed, Soc. & Behav. Vols.

OTTO, PROF. INGOLF H. E., b. Düsseldorf, Germany, May 7, 20; nat; div; c. 2. ECONOMICS, FINANCE. A.B. Cincinnati, 41; A.M. George Washington, 50, Ph.D., 59. Field rep. Royal-Globe Group, 46-50; asst. prof. bus. admin, George Washington, 51-52; assoc. prof. ins. & mgt, Univ. Kansas City, 52-54; underwriter, U.K. & U.S., 55-60; assoc. prof. finance, N.Y. Univ., 60-64; first officer, UNESCO, 64-65; PROF. FINANCE, Southern Mississippi, 65-67; SOUTH ALABAMA, 67- Fulbright grant, U.S. Dept. State, Mex., 63-64. Mil. Intel., 41-46, Res., 46-, Lt. Col. Econ. Asn; Finance Asn. Insurance, money and banking. Publ: Behavior of words, J. Chartered Life Underwriters; Section 102: the tax on a corporation's psyche, Taxes; Capacity, J. Ins. Address: Dept. of Finance, School of Business, University of South Alabama, Mobile, Ala. 36608.

OTTO, PROF. WAYNE (RAYMOND), b. Fremont, Wis., Oct. 22, 31; m. 63; c. 1. PSYCHOLOGY, EDUCATION. B.S. Wis. State, 53; M.S. Wisconsin, 59, Ph.D.(ed. psychol), 61. Asst. prof. sch. ed, Oregon, 61-64; assoc. prof. col. ed, Georgia, 64-65; PROF., DEPT. CURRICULUM & INSTR., WISCONSIN, 65- Prin. investr. reading proj, Wis. Res. & Develop. Center Cognitive Learning, 65- U.S.M.C., 53-55, Sgt. Psychol. Asn; Ed. Res. Asn. Correlates of reading-learning disability; children's learning; handwriting. Publ: Co-auth, Corrective and remedial teaching, 66, Teaching adults to read, 67 & Remedial teaching: research and comment, (in press), Houghton. Address: Lab. for Research, 1815 University, Madison, Wis. 53705.

OTTOSON, PROF. HOWARD W (ARREN), b. Detroit Lakes, Minn., Sept. 18, 20; m. 44; c. 3. AGRICULTURAL ECONOMICS. B.S. Minnesota, 42, M.S., 50; Ph.D.(agr. econ), Iowa State, 52. Instr. high schs, Minn., 42-44; asst. agr. econ, Minnesota, 46-47; bus. analyst, St. Paul Bank Co., 47-48; instr. AGR. ECON, Iowa State, 49-50; asst. prof. NEBRASKA, 50-54, assoc. prof., 54-58, PROF., 58-, ASSOC. DEAN COL. AGR. & HOME ECON., 68-, chmn. dept. agr. econ., 57-66, Bert Rodgers prof., 65-66, dir. Nebr. Agr. Exp. Sta., 66-68. Summer instr. Colorado State, 59. Consult, U.S. Dept. Agr., 61, 64; U.S. Agency Int. Develop., Argentina, 62; Colombia, 66. Mem. adv. cmt. grains, U.S. Dept. Agr., 66- U.S.N.R., 44-46, Res., 46-, Lt. Econ. Asn; Agr. Econ. Asn; Int. Asn. Agr. Econ. Agricultural production economics; farm management; land economics; economic principles; agricultural policy. Publ: Ed, Land use problems and policies in the United States, 63, co-auth, Land and people in the Northern Plains transition area, 66 & co-ed, Transportation problems and policies in the trans-Missouri West, 67, Univ. Nebraska. Address: 221 Agricultural Hall, University of Nebraska, Lincoln, Nebr. 68503.

OUELLETTE, HENRY PAUL, b. Salem, Mass., Sept. 12, 24. PSYCHOLOGY. A.B. St. John's Sem., 45; Ed. M. Boston, 51; Ph.D.(psychol), Cath. Inst. Paris, 52. Students counsr, high sch, Mass., 52-58; CHMN. DEPT. PSYCHOL, EMMANUEL COL.(MASS), 58- Prof. St. John's Sem., 60- Mem. Gov. Cmn. for Commonwealth Mass., 64-; bd. dirs, Dorchester Ment. Health Clin, 64- Adolescence; psychology and religion. Address: Dept. of Psychology, Emmanuel College, 400 The Fenway, Boston, Mass. 02115.

OUNJIAN, DR. DANIEL, b. Boston, Mass., June 5, 29; div; c. 1. ECONOMICS. A.B. Tufts, 57; Ph.D.(econ), Harvard, 66. Instr. ECON, TUFTS, 62-65, ASST. PROF., 65- Cmnr. Mass. Consumers Coun., 67- Consult, U.S. Agency Int. Develop., Ethiopia, 65. U.S.A.F., 51-54, S/Sgt. Money and finance; public finance and fiscal policy. Publ: Long term public financing of small corporations—the Region A market, Fed. Reserve Bank of Boston, 66. Address: Dept. of Economics, Tufts University, Medford, Mass. 02155.

OUTLAND, PROF. GEORGE E., b. Santa Paula, Calif., Oct. 8, 06; m. 38; c. 2. GOVERNMENT. A.B. Whittier Col., 28; M.A. Harvard, 29; Southern California, 33-34; Ph.D.(ed), Yale, 37. From instr. to assoc. prof., Santa Barbara State Col., 37-42; mem, U.S. House Rep., 43-46; PROF. GOVT, SAN FRANCISCO STATE COL., 47- Ford Found res. fel., 51-52; lectr., California, 56. Lectr. & consult, San Francisco Police Dept., 52- Consult, Nat. Cmt. Against Intolerance in Am., 46-57; Nat. Cmt. for Effective Cong., 47-; Pub. Affairs Inst., 50-64; Consumers' Union of Am. Inc., 53- Mem. adv. bd. Calif. Consumer Counsel, 59-60. Boy transiency; legislative organization and problems; political problems. Publ: Co-auth, Social foundations of education, Crowell, 42; Accent on teaching, Harper, 54; Social control, Revised Ed, Van Nostrand, 56. Address: 528 Font Blvd, San Francisco, Calif. 94132.

OVERACKER, PROF. LOUISE, b. Nov. 18, 91. POLITICAL SCIENCE. A.B. Stanford, 15, A.M., 17; Ph.D. Chicago, 24. Instr. Vassar Col., 20-22; prof., Wilson Col., 24-25; asst. prof. POLIT. SCI., WELLESLEY COL., 25-31, assoc. prof., 31-40, prof., 40-57, EMER. PROF., 57- Guggenheim fel., 51; Whitney vis. prof., Bethany Col.(W.Va.), 57-58; vis. prof., California, Los Angeles, 60; vis. fel. polit. sci., sch. adv. studies, Australian Nat. Univ., 65. Polit. Sci. Asn.(2nd v-pres, 39); fel. Am. Acad. Arts & Sci. Money in elections; primary elections; Australian politics. Publ: The Australian party system, Yale, 52; Australian parties in a changing society: 1947-1967, Tri-Ocean, 68. Address: 20218 Blauer Dr, Saratoga, Calif. 95070.

OVERALL, DR. JOHN E (RNEST), b. Gonzales, Tex., Oct. 11, 29; m. 53; c. 2. PSYCHOLOGY. B.S. Trinity (Tex), 54; M.A. Texas, 56, Ph.D., 58. Asst. psychol, Texas, 57-58; Nat. Sci. Found. fel, psychomet. lab, North Carolina, 58-59; chief criterion develop, cent. neuropsychiat. res. lab, Vet. Admin, 59-61; assoc. prof. psychol, Kansas State, 61-63; dir. res. computation center, MED. BR, TEXAS, 63-67, RES. PROF. NEUROL. & PSYCHIAT., 67- Lectr., McCoy Col, Hopkins, 60-61. Consult, Vet. Admin, 64- Mem. rev. cmt. narcotics & drug abuse, Nat. Inst. Ment. Health, 67- U.S.A.F., 52-54. Psychol. Asn; Psychomet. Soc; Statist. Asn. Basic dimensions of psychiatric symptomatology; applications and developments of psychometric methods; development of psychometric instruments for diagnosis and classification of patients; computer applications in psychiatry. Address: Dept. of Neurology & Psychiatry, University of Texas Medical Branch, Galveston, Tex. 77550.

OVERLADE, DR. DAN C (ULMER), b. Washington, D.C., July 14, 27; m. 49; c. 4. PSYCHOLOGY. B.S. & M.S. Utah State, 51; Ph.D.(psychol), Purdue, 54. Asst. prof. child welfare, inst. child welfare, Minnesota, 54-55; dir., Escambia County Guid. Clin., 56-64; CLIN. PSYCHOLOGIST, 64- Consult, Am. Soc. Hyg. Asn., 54-55. Dipl. Am. Bd. Exam. Prfl. Psychol. & Am. Bd. Exam. Psychol. Hypnosis, 62. Psychol. Asn; Soc. Clin. Hypnosis. Perception and cognition; developmental psychology; clinical practice. Publ: Co-ed, Reconciliation: a theory of man transcending, Van Nostrand, 66. Address: 1515 W. Moreno St, Pensacola, Fla. 32501.

OVERMAN, PROF. EDWARD S., b. South Norfolk, Va., May 24, 15; m. 40; c. 4. POLITICAL SCIENCE. B.S. Virginia, 36, Ph.D.(polit. sci.), 40. Res. asst, bur. pub. admin, Virginia, 40-41, asst. dir., 45-56, assoc. prof., polit. sci., univ., 45-56; prof. polit. sci. & assoc. dir. bur. pub. admin, Tennessee, 56-61; prof. polit. sci. & dir. div. urban affairs, Delaware, 61-68; PROF. GOVT. & DIR. URBAN STUDIES PROG, TEXAS, ARLINGTON, 68- Ford faculty fel., law sch, Chicago, 54-55. U.S.N.R., 42-45; U.S.A.R., 56-, Maj. Polit. Sci. Asn; Soc. Pub. Admin; Nat. Munic. League. State and local government;

urban affairs. Publ: Taxation of public utilities in Tennessee, Univ. Tennessee, 62. Address: University of Texas at Arlington, Arlington, Tex. 76010.

OVERMAN, DEAN GLENN D(ELBERT), b. Camden, Ark, Apr. 23, 16; m. 39; c. 2. BUSINESS ADMINISTRATION, ECONOMICS. B.S. Cent. State Col. (Okla.), 37; M.S. Okla. State, 46; D.B.A. Indiana, 54. Teacher, high sch., Okla., 37-39; rep. South-Western Pub. Co., 39-42; dir. sch. intensive bus. training, Okla. State, 46-50; asst. grad. sch. bus., Indiana, 50-51; DEAN sch. bus., Oklahoma City Univ., 52-56; COL. BUS. ADMIN., ARIZONA STATE, 56-Participant, Case course bus. professors, Harvard, 60; meet mod. Sweden prog., Am. Assn. Collegiate Schs. Bus. & Exp. Int. Living, 67. U.S.N.R. 42-56, Lt. Econ. Asn.; Mkt. Asn.; Soc. Adv. Mgt. Basic economic concepts about American system which white business executives believe everyone should know; role of business school deans as viewed by college presidents. Address: College of Business Administration, Arizona State University, Tempe, Ariz. 85281.

OVERMILLER, DR. CHARLES SILVUS, b. Wilkes Barre, Pa., Apr. 21, 20; m. 46; c. 4. ECONOMICS. B.A. Ohio Wesleyan, 47; M.A. Ohio State, 48, Ph.D., 50. Asst. prof., La. State, 50-53; financial economist, Fed. Reserve Bank Atlanta, 53-56; economist, HUMBLE OIL & REF. CO., 56-58, mgr. econ. dept., 58-59, exec. asst. to pres., 59-60, asst. treas., 60-61, COORDINATOR ECON, 61- U.S.A., 42-45. Econ. Asn. Economic theory; money and banking. Address: Humble Oil Co., Humble Bldg., Room 3255, Houston, Tex. 77001.

OVERMIER, DR. J(AMES) BRUCE, b. Queens, N.Y., Aug. 2, 38; m. 62. EXPERIMENTAL PSYCHOLOGY. A.B., Kenyon Col., 60; M.A., Bowling Green State, 62; M.A., Pennsylvania, 64, Ph.D.(psychol.), 65. Asst. prof. PSYCHOL., MINNESOTA, MINNEAPOLIS, 65-68, ASSOC. PROF., 68- Res. grants, 65-69. AAAS; Psychol. Asn.; Psychonomic Soc. Control of aversively motivated behaviors using conditioning and training techniques. Publ: Instrumental and cardiac indices of Pavlovian fear conditioning as a function of UCS duration, 66 & co-auth. Specific and permanent deficits in instrumental avoidance responding following forebrain ablation in goldfish, 67, J. Comp. & Physiol. Psychol.; auth. Interference with avoidance behavior: failure to avoid traumatic shock, J. Exp. Psychol., 68. Address: Dept. of Psychology, University of Minnesota, Minneapolis, Minn. 55455.

OVERTON, DR. RICHARD K(ENNETH), b. Tarzan, Tex., May 16, 28; m. 52; c. 3. PSYCHOLOGY. B.A., Abilene Christian Col., 49; M.A., Texas, 54, Ph.D., 56. Asst. prof. psychol., Ft. Hays Kans. State Col., 56-59; sr. res. engr., autometrics div., N.Am. Aviation, Inc., 59-67; PRES., OVERTON ASSOCS., 67- Psychol. Asn.; Asn. Comput. Mach. Intelligent machines; physiology of learning and thinking; mathematics. Publ: Thought and action: a physiological approach, Random House, 59; The Autometrics learning machine, Autometrics Pub., 61; Experimental studies of organ inferiority, J. Individual Psychol., 14: 62-63. Address: P.O. Box 37, Capistrano Beach, Calif. 92624.

OWEN, DR. DEAN H., b. Rockwell City, Iowa, Jan. 8, 38; m. 60; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S., Iowa State, 61, M.S., 62; Ph.D.(psychol.), 65. ASST. PROF. PSYCHOL., OHIO STATE, 65- Perception, especially development and application of psychophysical approach to form perception; perceptual motivation and development. Address: Dept. of Psychology, Ohio State University, 1945 N. High St., Columbus, Ohio 43210.

OWEN, DR. DONALD B(RUCE), Math. Statist, see 11th ed, Phys. & Biol. Vols.

OWEN, DR. FREYA WEAVER, b. Palo Alto, Calif., May 27, 21; m. c. 3. CHILD DEVELOPMENT, SPECIAL EDUCATION. B.A., Santa Barbara Col., 44; M.A., Stanford, 54, Ph.D.(child develop.), 61. Teacher, pub. schs., Calif., 44-47; demonstration teacher & superv., Univ. California, Santa Barbara & Santa Barbara City Schs., 47-53; psychologist, Stanford Children's Convalescent Hosp., 53-63; consult. psychologist, guid. dept., PALO ALTO UNIFIED SCH. DIST., 64-65, COORDINATOR ED. HANDICAPPED & MENTALLY HANDICAPPED PROG., 65- Res. assoc. lab. human develop., Stanford Univ., 61-65; study, Maudsley Hosp., London, Eng., 62; prin. investr., Nat. Inst. Child Health & Human Develop. res. proj., 63-64 & 65-68. Psychol. Asn.; Soc. Res. Child Develop. Psychosomatic disorders in childhood; exceptional children; learning disorders; parent-child relationships. Publ: Patterns in respiratory disturbance in asthmatic children evoked by the stimulus of the mother's voice, Acta Psychother., 11: 228-241. Address: Palo Alto Unified School District, 25 Churchill, Palo Alto, Calif. 94306.

OWEN, DR. JOHN E(LIAS), b. Manchester, Eng., Jan. 17, 19; nat; m. 44. SOCIOLOGY. A.B. Duke, 43; Boston, 44; Tufts Col., 44; A.M., Southern California, 46, Ph.D.(sociol.), 49; London, 52. Asst. prof. SOCIOL., Ohio, 49-51; vis. prof., Smith-Mundt grant, Helsinki, Finland, 51-52; lectr., Univ. Maryland Overseas Prog., Eng. & France, U.S. Air Force, 52-53; assoc. prof., Fla. South. Col., 53-58; Fulbright lectr., Dacca, 58-59, UNESCO adv. & head dept. sociol., 60-63; assoc. prof., Wis. State Col.(Superior), 59-60; vis. assoc. prof., Pomona Col., 63-64; assoc. prof., ARIZONA STATE, 64-68, PROF., 68- Consult, spec. ops. res. off., U.S. Dept. Army, 60; Off. Econ. Opportunity, 66-67. Sociol. Asn. History of social theory; the role of valuation in sociology; American society. Publ: Sociological thought of L.T. Hobhouse, Westminster Soc. Trans.; Sociology in Finland, Am. Sociol. Rev.; co-auth. Sociology in East Pakistan, Asiatic Soc., 62. Address: Dept. of Sociology, Arizona State University, Tempe, Ariz. 85281.

OWEN, DEAN JOHN P(PKIN), b. Newport, Ark., Sept. 13, 19. ECONOMICS. A.B., La. State, 41, M.B.A., 44, Ph.D., 49; fel. Wisconsin, 45-46. Field rep. bus. res., La. State, 42-43, instr. ECON, 43-44, 46-49; prof. & chmn. dept., Houston, 49-67, dir. grad. studies, col. bus. admin., 57-67; PROF. & DEAN COL. BUS. ADMIN., ARKANSAS, 67- Econ. Asn.; Indust. Rels. Res. Asn.; Finance Asn.; Econ. Hist. Asn. Labor economics and legislation; comparative economic systems; current economic conditions. Publ: Co-auth. Mantrap, 4 vols., 64 & Anatomy of a work force reduction, 65, Center Res. Bus. & Econ., Univ. Houston; Economic feasibility of multi-purpose dams. Address: College of Business Administration, University of Arkansas, Fayetteville, Ark. 72701.

OWEN, PROF. (EDGAR) LYLE, b. Kiowa Co., Okla., July 25, 06; m. 40; c. 3. ECONOMICS, POLITICAL SCIENCE. A.B., Southwest Mo. State Col., 27; A.M., Wisconsin, 28, Ph.D.(econ. polit. sci.), 37. Instr. econ., Carnegie Inst. Tech., 30-38, asst. prof. econ. & govt., 38-45; assoc. prof. ECON., TULSA, 45-47, PROF., 47-, HEAD DEPT., 45- Summers, vis. prof., Southwest Mo. State Col., 40, 43. Econ. Asn. Public finance; comparative economic systems; college and university organization and operation; college teaching methods. Publ: Source of taxes, Tax Mag., 8/36; Your million fathers, Common Ground, summer 44; Communism and our colleges, Bull. Am. Assn. Univ. Profs., fall 50. Address: Dept. of Economics, University of Tulsa, Tulsa, Okla. 74104.

OWEN, PROF. ROGER CORY, b. Port Arthur, Tex., Sept. 14, 28; m. 51; c. 5. ANTHROPOLOGY. B.A., Mich. State, 53; M.A., Arizona, 57; Ph.D.(anthrop.), California, Los Angeles, 62. From instr. to assoc. prof., ANTHROP., California, Santa Barbara, 59-67; PROF., QUEENS COL.(N.Y.), 67- Res. grants, Nat. Sci. Found., Nat. Res. Coun., Licensed Beverage Indus. Inc. & Sci. Adv. Panel; vis. prof., found. sch. sociol. & polit., São Paulo, 64-65. U.S.A., 47-49. AAAS; fel. Anthropol. Asn.; Ethnol. Soc. Latin American ethnology, Brazil; Mexico; Baja California; cultural evolutionary theory; social organization; cultural significance of alcoholic beverages. Publ: Marobavi: a study of an assimilated group in Sonora, Mexico, Univ. Arizona, 59; co-auth. The North American Indians: a reader, Macmillan, 67. Address: Dept. of Anthropology, Queens College, Flushing, N.Y. 11367.

OWEN, WILFRED, b. Birmingham, Eng., Dec. 19, 12; U.S. citizen; m. 40; c. 3. ECONOMICS. A.B., Harvard, 34. Mem. staff res. transportation, Nat. Res. Coun., 35-39; economist, Nat. Resources Planning Bd., 40-43; MEM. SR. STAFF, BROOKINGS INST., 46- Consult, Int. Labor Off., 47; Port of N.Y. Authority, 49-50, 55-56; Univ. Pennsylvania, 53; City of Phila., 54; Govt. Japan, 56; planning cmn., Govt. Pakistan, 58; UN Econ. Cmn. Asia & Far East, 60; Univ. Tokyo & Waseda Univ., Japan, 60; U.S. Dept. Commerce, 60. Mem. World Bank Econ. Mission, India. Transportation; economic development; urban affairs. Publ: Metropolitan transportation problem; Cities in the motor age; Strategy for mobility. Address: Brookings Institution, 1775 Massachusetts Ave. N.W., Washington, D.C. 20036.

OWEN, PROF. W(ILLIAM) V(ERN), b. Tipton, Iowa, Sept. 3, 94. ECONOMICS. Ph.B., Chicago, 20; Ph.M., Wisconsin, 28. Instr. econ., PURDUE, 21-39, prof., 39-59, Loeb prof. indust. mgt., 59-64, EMER. PROF. INDUST. ADMIN., 64- Vis. prof., New Mexico, 63-64, 67-68; dir. personnel, Reynolds Elec. & Eng. Co., Inc., 64-68. Personnel work; employer's labor statement; labor and labor-management problems; equal employment opportunity. Publ: Co-auth. Industrial relations, Appleton, 64; auth. An economic and institutional analysis of equal employment opportunity administration, Blue Feather, 68. Address: 2213 Copita Lane, Santa Fe, N.Mex. 87501.

OWEN, PROF. WYN FOSTER, b. Dorriggo, Australia, Dec. 23, 23; m. 52; c. 3. ECONOMICS. B.Sc.Agr., Sydney, 46; dipl., Oxford, 48, B.Litt., 53; Ph.D.(econ. agr. econ. philos.), Wisconsin, 54. Res. officer, New South Wales Dept. Agr., 46-48, 52-53; fel. Agr. Econ. Res. Inst., Eng., 48-50; instr. agr. econ., Wisconsin, 51-52, 54-55, asst. prof., 55-57; assoc. prof. ECON., COLORADO, 57-64, PROF., 64-, DIR. ECON. INST., 58-, DIR. INT. ECON. STUDIES CENTER, 62- Consult, Int. Bank Reconstruct. & Develop. Econ. Surv. Mission to UAR, 62-63. Econ. Asn.; Agr. Econ. Asn.; Comp. Econ.; Int. Asn. Agr. Econ.; Econ. Soc. Australia & N.Z. Economic development; comparative economic systems; agricultural economics; international education. Publ: Academic orientation for foreign graduate students, Inst. Int. Ed., N.Y., 67; Land and water use in the Egyptian high dam era, Land Econ., 8/64; The double developmental squeeze on agriculture, Am. Econ. Rev., 3/66. Address: Dept. of Economics, University of Colorado, Boulder, Colo. 80302.

OWENS, PROF. BERL WINFIELD, b. Fairmont, Minn., Feb. 15, 23; m. 45; c. 1. INDUSTRIAL ENGINEERING. B.Aero.E., Minnesota, 44; M.S.E., Washington (Seattle), 53. Instr. mech. eng., Minnesota, 46-47; ASSOC. PROF. INDUST. ENG., WASHINGTON (SEATTLE), 48- Consult, Doctors Hosp., Seattle, 54-60; Repub. Yugoslavia, Int. Coop. Admin., 60-61; Weyerhaeuser Co., 63- U.S.N., 43-46, 50-52, Lt. Inst. Indust. Eng.; Soc. Qual. Control; Soc. Eng. Ed. Methods analysis; application of statistical methods to production planning and quality control; application of industrial engineering techniques in hospitals. Publ: Effective utilization of staff and facilities, J. Eng. Ed.; Snimanje rada metodom trenutnih opazanja i sistem snimanja tempo, Produktivnost; co-auth. On the measurement of human power, Trend, 1/66. Address: Dept. of Mechanical Engineering, University of Washington, Seattle, Wash. 98105.

OWENS, DR. JOHN R(OBERT), b. Ilion, N.Y., May 29, 26. POLITICAL SCIENCE. B.A., Syracuse, 49, M.A., 52, Ph.D., 56; fel. Wesleyan, 53-55. Instr. POLIT. SCI., Wesleyan, 55-56; Michigan, 56-59; asst. prof., CALIFORNIA, DAVIS, 59-66, ASSOC. PROF., 66- Res. grant, Citizens Res. Found., 66; summer fel., California, Davis, 64. U.S.N., 44-46. Polit. Sci. Asn.; Soc. Pub. Admin. Political parties and behavior; legislative process; public administration. Publ: Co-auth. The American party system, Macmillan, 65; auth. A wildlife agency and its possessive public, Bobbs, 65; Money and politics in California, Citizens Res. Found., 66. Address: 527 Rutgers Dr., Davis, Calif. 95616.

OWENS, PROF. RICHARD N(ORMAN), b. Mill Spring, Mo., Oct. 24, 94. MANAGEMENT. B.Pd., Mo. Norm. Sch., 14; A.B. & B.S., Missouri, 17; A.M., Chicago, 22, Ph.D., 28. Mem. staff, Brookings Inst., 23-24; asst. prof. econ., Washington (St. Louis), 24-25; assoc. prof. acct. & bus. admin., Emory, 25-28; PROF. George Washington, 28-60; MGT., CALIF. STATE COL. LOS ANGELES, 60- Vis. prof., California, 50-51. Econ. Asn.; Am. Acct. Asn. Business organization and combination; interest rates and stock speculation; management of industrial enterprises; business management and public policy. Address: Dept. of Management, California State College at Los Angeles, Los Angeles, Calif. 90032.

OWENS, PROF. S. LEE, b. N.C., Aug. 4, 21; m. 54; c. 2. BUSINESS ADMINISTRATION. B.B.A., Georgia, 62, M.B.A., 63, Ph.D.(bus. admin.), 68. Teaching asst. econ., Georgia, 62-64, instr., 64-67; PROF. MGT. & CHMN. DEPT.,

TENNESSEE TECH, 67- Consult, Upper Cumberland Econ. & Resource Develop. Center, 68-69. U.S.N. 40-60. Economic theory; structure and management of state debts. Address: Dept. of Business Management, Tennessee Technological University, Cookeville, Tenn. 38501.

OWENS, PROF. W(ILLIAM) A(BBOTT), JR, b. Duluth, Minn, June 13, 14; m. 41; c. 1. PSYCHOLOGY. B.A., Winona State Col, 35; serv. fel, Chicago, 35-36; Ph.D.(psychol), Minnesota, 40. Asst. Minnesota, 38-40; instr. psychol, Iowa State, 40-42, assoc. prof, 46-47, prof, 47-59, head dept, 48-59; occup. res. center, Purdue, 59-68; DIR. PSYCHOMET. LAB, UNIV. GEORGIA, 68- U.S.N.R. 42-45, Lt. Fel. Psychol. Asn; Geront. Soc; Int. Asn. Appl. Psychol. Individual differences; measurement; industrial psychology; gerontology; creativity; integration in the behavioral sciences. Address: Psychometric Lab, University of Georgia, Athens, Ga. 30602.

OWENS, WILLIAM A(BBOTT), SR, b. Oshkosh, Wis, Aug. 25, 80; m. 08; c. 1. PSYCHOLOGY. S.B., Chicago, 10, A.M., 11, fel, 17-18, 22, 35. Dir. training, Minn. State Teachers Col, Duluth, 11-17; asst. prof. psychol, Rochester, 18-19, prof, Cornell Col, 19-20; head dept, WINONA STATE COL, 20-30, v. pres. & co-chmn. div. psychol. & ed, 30-49, EMER. V. PRES. & PSYCHOL. CONSULT, 49- AAAS; Psychol. Asn. Psychology of learning; selective admission in teachers colleges; mental hygiene. Publ: A study of musical superiority in a low grade imbecile; Some advantages of A.C.E. and Army alpha in prediction of scholastic success in teachers colleges; Some factors in the academic superiority of veteran students. Address: 368 Washington St, Winona, Minn. 55987.

OWINGS, DR. WILLIAM ADOLPH, Mod. European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

OWSLEY, DR. ROY H(AMILTON), b. Sonora, Ky, Aug. 3, 08; m. 57; c. 2. POLITICAL SCIENCE. A.B., West. Ky. State Teachers Col, 28; Soc. Sci. Res. Coun. fel, 30-31; Ph.D.(polit. sci), Kentucky, 33. Asst. secy, Ky. Munic. League, 29-31, field secy, 32, field consult, 33-37; instr. polit. sci, Kentucky, 31-32; prin. pub. sch, Ky, 33; exec. secy, Maine Munic. Asn, 37-40; Wash. rep, Am. Munic. Asn, 40-41, asst. dir, 41-47, assoc. dir, 47-48; city consult, Louisville, Ky, 48-52; city mgr, Portland, Maine, 52-54; city consult, Louisville, Ky, 54-62; spec. consult. to Gov. of Ky, 62; v-pres, LIFE INS. CO. KY, 62, exec. v-pres, 62-67, CHMN. FINANCE CMT. & MGT. CONSULT, 67- Adj. prof, Bowdoin Col, 53-54; Murray Seasongood Good Govt. Fund vis. lectr, 60-66. Consult, Univ. Michigan-Int. Coop. Admin. Contract, Philippines, 56; State Tax Study, Colo, 57; U.S. Adv. Cmn. Intergovt. Rels, 62-67; Chmn, Ky. Authority Ed. TV, 62-; regional v-pres, Travelers Aid Asn. Am, 64- U.S.M.C., 42-45, Res, 45-58, Col; Legion of Merit. Int. City Mgrs. Asn. City and state government; corporate management. Publ: Co-auth, Zoning manual for Maine towns; auth, Philippine city charters, Inst. Pub. Admin, Univ. Philippines, 56; auth, Life insurance company cost study, pub. annually in Best Ins. News (Life Ed), 63- Address: Life Insurance Company of Kentucky, 231 W. Main St, Louisville, Ky. 40202.

OXENFELDT, PROF. ALFRED R(ICHARD), b. Philadelphia, Pa, July 1, 17; m. 41; 67; c. 2. ECONOMICS. B.S., Pennsylvania, 37; M.A., Columbia, 38, Soc. Sci. Res. Coun. field fel, 39-40, Ph.D.(econ), 42. Statistician in charge surv, Dun & Bradstreet, Inc, 40-41; prin. economist, War Prod. Bd, 41-43; spec. asst. to dir, textile div, Civilian Prod. Admin, 46; assoc. prof. econ, Hofstra Col, 46-49, chmn. dept, 49-51; assoc. prof, City Col. New York, 51-52; exec. v-pres, Boni, Watkins, Mounter & Co, 52-56; mem. faculty, Sarah Lawrence Col, 56; PROF. MKT, GRAD. SCH. BUS, COLUMBIA, 56- Consult, UN & Off. Secy, Dept. Interior, 51. Soc. Sci. Res. Coun. demobilization award, 46. U.S.N. 43-46, Lt.(jg). Econ. Asn. Publ: Industrial pricing and market practices; Economic principles and public issues; Executive action in marketing, Wadsworth, 66. Address: 464 Riverside Dr, New York, N.Y. 10027.

OXLEY, DR. FRANCES E, b. Alta, Can, Oct. 14, 21. ECONOMICS. B.A., Western Ontario, 49; A.M., Indiana, 50, Ph.D.(econ), 63. Res. assoc. bus. admin, Western Ontario, 54-57; personnel asst, Polymer Corp, 57-59; asst. prof. bus. & econ, Hanover Col, 60-62; ASSOC. PROF. ECON, ROOSEVELT, 62- Dir. eval, Proj. Upgrade, funded U.S. Dept. Labor, 67-68. Women's Div, R.C.A.F, 43-45, Sft. Econ. Asn; Indust. Rels. Res. Asn. Labor economics; economics of poverty. Address: Dept. of Economics, Roosevelt University, 430 S. Michigan Ave, Chicago, Ill. 60605.

OXNAM, PRES. ROBERT F(ISHER), b. Boston, Mass, May 31, 15; m. 39; c. 3. PUBLIC ADMINISTRATION. A.B., DePauw, 37; M.A., Southern California, 42, M.S.P.A., 47, Ph.D.(polit. sci. & pub. admin), 48; hon. LL.D., American Univ, 59, DePauw, 61 & W.Va. Wesleyan Col, 64; hon. L.H.D., Norwich, 66. Asst. dir, off. pub. rels, Southern California, 40-41, coord. off, 41-42; asst. prof. polit. sci. & asst. dean col. lib. arts, Syracuse, 48-53, asst. to chancellor, 50-53, dean sch. speech & dramatic art, 51-53; v-pres. for admin. affairs & assoc. prof. govt, Boston, 53-57; PRES, Pratt Inst, 57-61; DREW, 60- U.S.A. 42-46, Capt. Soc. Pub. Admin; Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Administration; organization and management. Address: Drew University, Madison, N.J. 07940.

OXTOBY, DR. TOBY, Psychol, see Suppl. V to 11th ed, Phys. & Biol. Vols.

OYER, PROF. HERBERT J(OSEPH), b. Groveland, Ill, Jan. 28, 21; m. 47; c. 1. SPEECH PATHOLOGY, AUDIOLOGY. A.B., Bluffton Col, 43; M.S., Bowling Green State, 49; Ph.D.(polit. sci. & pub. admin), 55. Asst. prof. speech & hearing, Bowling Green State, 49-53; asst. prof. speech & hearing & res. assoc, Ohio State, 55-60, asst. prof. col. med, 59-60; PROF. AUDIOL. & SPEECH SCI. & CHMN. DEPT, MICH. STATE, 60- Dir. speech & hearing dept, rehab. center, Sparrow Hosp, 60- Consult, Lima Mem. Hosp, Ohio, 50- U.S.A. 43-46, Sgt. Psychol. Asn; fel. Speech & Hearing Asn; Acoustical Soc. Experimental phonetics; audiology; psycholinguistics. Publ: Co-auth, Visual communication, 61 & auth, Auditory communication, 67, Prentice Hall; co-auth, Applied audiometry, Dodd, 67. Address: Dept. of Audiology & Speech Sciences, Michigan State University, East Lansing, Mich. 48823.

OYLER, PROF. MERTON D(ALE), b. Harrison, Ohio, Sept. 8, 02; m. 29; c. 2. SOCIOLOGY. B.S., Ohio State, 26, M.S., 28; Soc. Sci. Res. Coun. fel, Chicago,

31-32, Gen. Ed. Bd. fel, 39-40, Ph.D.(sociol), 43. Asst. rural life studies, Kentucky, 28-38, asst. prof. & res. asst, 38-42; rural sociologist, regional land tenure res. proj, Ark, 42-46; prof. sociol. & chmn. dept, Berea Col, 46-49; res. assoc, bur. pop. & econ. res, Virginia, 49-50; PROF. SOCIOLOGICAL, OHIO STATE, 50-, RURAL SOCIOLOGICAL, 53- Sociol. Asn; Rural Sociol. Soc; Pop. Asn; Statist. Asn. Adjustment of faculty families to retirement; comparison of British and United States suburban housing attitudes; Amish patterns of belief. Publ: Amish patterns of farming, Dept. Agr. Econ, Ohio State Univ, 63. Address: 184 E. Tulane Rd, Columbus, Ohio 43202.

OZAKI, DR. ROBERT SHIGEO, b. Tokyo, Japan, Feb. 28, 34; m. 61. ECONOMICS. B.A., Ohio Wesleyan, 56; M.A., Harvard, 58, summer fel, 59, Ph.D.(econ), 60. Asst. ECON, Center East Asian Studies, Harvard, 57-58; from asst. prof. to ASSOC. PROF. CALIF. STATE COL. HAYWARD, 60- Econ. Asn. Postwar Japanese economy; United States and Japan international trade relations; money and banking. Publ: Note on the future of Japan's trade with Red China, Am. Economist; Look at Japan's foreign trade problems & Duality in the structure of Japanese exports, Bus. Eng. Address: Dept. of Economics, California State College at Hayward, 25800 Hillary St, Hayward, Calif. 94542.

OZANNE, PROF. ROBERT WILLARD, b. Neenah, Wis, Oct. 16, 14; m. 40; c. 4. ECONOMICS. B.S., Wisconsin, 36, M.S., 41, Ph.D.(econ), 54. Teacher, high schs, Wis, 36-41; Colo, 41-47; dir. res. & ed, State Fedn. Labor, Colo, 47; rep, Retail Clerks Int. Asn, 48-49; instr. labor ed, EXTEN. DIV, WISCONSIN, 49-52, DIR. LABOR ED, 52-, PROF. ECON, UNIV, 59-, asst. prof, 54-57, assoc. prof, 57-59. Econ. Asn; Indust. Rels. Res. Asn. Collective bargaining; labor history and education; wage theory. Publ: Century of labor management relations, 67 & Wage practice and theory, a payroll book study 1860-1960, 68, Univ. Wisconsin; Century of occupational differentials in manufacturing, Rev. Econ. & Statist. Address: Dept. of Economics, University of Wisconsin, Madison, Wis. 53706.

OZAWA, DR. TERUTOMO, b. Japan, Jan. 17, 35; m. 67. ECONOMICS. B.A., Tokyo Univ. For. Studies, 58; M.B.A., Columbia, 62, Ph.D.(econ), 66. ASST. PROF. ECON, COLO. STATE COL, 66- Econ. Asn. International transmission of technology and its effects on economic development and world trade. Publ: Imitation, innovation and Japanese exports, In: The open economy: essays on foreign trade and finance, Columbia, 68. Address: 1105 Seventh St, Apt. 9, Greeley, Colo. 80631.

OZOLINS, DR. E(IZENS) ADRIANS, b. Sauka, Latvia, Feb. 19, 12; nat; m. 49. ECONOMICS, PUBLIC FINANCE. M.A., Riga, Latvia, 39; Ph.D.(econ), Frankfurt, 60. Ed. pubs. & dir. econ. res. prog, Nat. Chamber Commerce, Latvia, 37-44; teacher econ, Aglasterhausen Sch, Germany, 45-52; economist, Continental Baking Co, N.Y., 52-58, Swingline, Inc, New York, 61-62; ASSOC. PROF. ECON, LOCK HAVEN STATE COL, 62- Econ. Asn. Effectiveness of fiscal policy measures to prevent inflation. Publ: Principles of taxation in the Soviet Union. Address: Dept. of Economics, Lock Haven State College, Lock Haven, Pa. 17745.

P

PAAR, PROF. HENRY (JULIUS), b. Baltimore, Md, Dec. 27, 24; m. 46; c. 2. PSYCHOLOGY. B.S., Springfield Col, 49; M.A., Columbia, 50; Ph.D., Peabody Col, 57. Psychologist, Rosewood State Training Sch, Md, 50; East. Shore State Hosp, 50-53; trainee psychol, Vet. Admin. Ment. Hosp, Murfreesboro, Tenn, 55-56; Vet. Admin. Gen. Med. & Surg. Hosp, Nashville, 56-57; psychologist, Guid. Clin. Children & Adults, W.Va, 57; asst. prof. PSYCHOL, SPRINGFIELD COL, 57-59, assoc. prof, 59-64, PROF, 64-, DIR. DIV. ARTS & SCI, 64-, counseling center, 57-59, asst. dir. guid. & personnel serv, 59-60, dir, 60-64. Psychologist, Easton Ment. Health Clin, Md, 51-53. U.S.N., 43-45. Psychol. Asn; Acad. Psychother. Psychotherapy. Publ: Experimental counseling, Am. Psychologist. Address: Dept. of Psychology, Springfield College, Springfield, Mass. 01109.

PAAUW, DR. DOUGLAS S(EYMOUR), b. Hancock, Minn, Dec. 13, 21; m. 48; c. 2. ECONOMICS. B.A., Calvin Col, 46; scholar, Harvard, 48, M.A., 49, fel, 49-50, Ph.D.(econ), 50. Instr. econ, Harvard, 50-52, lectr, 53-56; prof, Lake Forest Col, 56-59; vis. prof, Nommensen Univ, Indonesia, 59-61; assoc. prof, Yale, 61-63; DIR. CENTER DEVELOP. PLANNING, NAT. PLANNING ASN, 63- Yenching fel, Harvard, 51; res. assoc. & proj. dir, Mass. Inst. Tech, 52-54. Mem. Southeast Asia Develop. Adv. Group, U.S. State Dept, 65- U.S.A., 43-46. Econ. Asn; Asn. Asian Studies. Economic development; comparative analysis of economic growth in southeast Asian countries. Publ: Financing economic development: the Indonesian case, Macmillan, 60; auth, Development planning in Asia, 65 & co-auth, Planning capital inflows for Southeast Asia, 66, Nat. Planning Asn. Address: 3801 Raymond St, Chevy Chase, Md. 20015.

PABLEY, DR. JAG MOHAN S, b. Nawanshehar, India, Oct. 1, 31; m. 63; c. 2. MARKETING. B.A., Delhi, 51; Cert. bus. admin, Scottish Col. Commerce, Glasgow, 57; M.B.A., American Univ, 61; D.B.A., George Washington, 66. Off. mgr, Asian Films, India, 52-56; sr. purchasing clerk, India Supply Mission, D.C., 58-65; teaching asst. MKT, George Washington, 65-66, instr, summer 66; ASST. PROF. WIS. STATE, OSHKOSH, 66- Comparative marketing systems. Address: Dept. of Marketing, Wisconsin State University, Oshkosh, Wis. 54901.

PABST, DR. WILLIAM R(ICHARD), JR, b. Brooklyn, N.Y., Jan. 21, 11; m. 35, 62; c. 2. STATISTICS. A.B., Amherst Col, 31; Ph.D.(econ), Columbia, 37. Instr. Cornell, 34-36; Amherst Col, 36-38; assoc. prof. econ, Tulane, 38-41; chief requirement rev. sect, statist. div, War Prod. Bd, 41-42; res. sect, mach. br, Off. Price Admin, 42-44; head statist. br, qual. control div, bur. ord, U.S. Dept. Navy, 46-52, chief statist, 52-57; adv. to Govt. India, UN Tech. Assistance Admin, 58-59; lectr, Japanese Union Scientists & Engrs, 59; CHIEF STATISTICIAN, bur. naval weapons, U.S. DEPT. NAVY, 59-66, NAVAL ORD. SYSTS. COMMAND, 66-; COURSE COORDINATOR, U.S. DEPT. AGR. GRAD. SCH, 61- Vis. prof, California, 40. Adv. Works Progress Admin, 36; Dun & Bradstreet, 37. U.S.N., 42-46. Fel. Statist. Asn; fel. Soc. Qual. Control; Economet. Soc; Econ. Asn; Inst. Math. Statist. En-

engineering statistics; sampling; statistical quality control. Publ: Butter and oleomargarine, an analysis of competing commodities; Statistical quality control in India; Statistics in the physical sciences in the United States, Proc. Int. Statist. Inst. Address: U.S. Naval Ordnance Systems Command, Washington, D.C. 20360.

PACE, PROF. C(HARLES) ROBERT, b. St. Paul, Minn, Sept. 7, 12; m. 37; c. 2. PSYCHOLOGY. B.A. DePaul, 33; M.A. Minnesota, 35, Ph.D.(psychol), 37. Dir. follow-up study former students, Minnesota, 37-40; Rockefeller Found. res. fel. 40-41; res. assoc. cmn. teacher ed, Am. Coun. Ed. 41-43; head res. unit, bur. navy personnel, U.S. Dept. Navy, 43-45, field res. sect. 45-47; assoc. dir. eval. serv. center, Syracuse, 47-50, dir. 50-52, asst. to chancellor, 48-52, chmn. dept. psychol. & dir. psychol. res. center, 52-61; PROF. HIGHER ED. CALIFORNIA, LOS ANGELES, 61- Fel. Center Adv. Study Behav. Sci. 59-60. Mem. cmn. tests, Col. Entrance Exam. Bd. 67- Psychol. Asn; Ed. Res. Asn. Educational measurement and evaluation; higher education. Publ: They went to college; co-auth. Evaluation in teacher education; auth. College & university environment scales, Ed. Testing Serv. 63. Address: School of Education, University of California, Los Angeles, Calif. 90024.

PACE, DR. R(ALPH) WAYNE, b. Wanship, Utah, May 15, 31; m. 53; c. 5. SPEECH, COMMUNICATION. B.S. Utah, 53; M.S. Brigham Young, 57; Univ. Res. Found. summer grants, Purdue, 59 & 60, Ph.D.(speech commun), 60. Teacher, Box Elder County High Sch, Utah, 55-56; assoc. prof. speech, Parsons Col., 60-62, chmn. dept. speech & drama, 61-62; asst. prof. pub. address & commun, Fresno State Col., 62-66; ASSOC. PROF. SPEECH COMMUN. & CHMN. DEPT. MONTANA, 66- Lectr. Bowdoin Col., 61. Mem. planning cmt. Nat. Center Commun. Arts & Sci, Denver, Colo. 65. U.S.A. 53-55. Nat. Soc. Study Commun.(exec. secy. 65-67, 2nd v.pres, 67); Speech Asn. Organizational communication, including source-receiver fidelity, serial transmission of information, perception, motivation, persuasion and oral correlates. Publ: Oral communication and sales effectiveness, J. Appl. Psychol., 10/62; co-auth. Preliminary validation report on the Purdue Basic Oral Communication Evaluation Form, Personnel J., 4/63; auth. Practical speech for modern business and essentials in interviewing, West. Speech, 64. Address: Dept. of Speech Communication, University of Montana, Missoula, Mont. 59801.

PACELLA, DR. BERNARD L(EONARD), Psychiat, see 11th ed, Phys. & Biol. Vols.

PACHT, DR. ASHER R, b. Youngstown, Ohio, July 2, 22; m. 47; c. 2. CLINICAL PSYCHOLOGY. B.S. Ohio, 44, B.A. 47, M.A. 48; U.S. Pub. Health Serv. fel. Wisconsin, 52-53, Ph.D.(clin. psychol), 53. Trainee clin. psychol, Vet. Admin. Training Prog, Wisconsin, 48-52; supvr. psychologist, div. corrections, State Dept. Pub. Welfare, 53-56; dep. cmnr, State Dept. Correction, Mass. 56-57; chief psychologist, DIV. CORRECTIONS, STATE DEPT. HEALTH & SOC. SERV. WIS. 57-62, CHIEF CLIN. SERV. 62- Instr. exten. sch. Wisconsin, 53-56, 57-58; lectr. dept. psychol, 58-, assoc. clin. prof. med. sch. 62- Clin. psychologist, 61-; Madison Orthopsychiat. Assocs, 61- Consult, Wis. State Hwy. Patrol, 62-; Job Corps, 66-67. Mem. exec. cmt. Joint Cm. Correctional Manpower & Training, 65- U.S.A. 43-46, Capt. Psychol. Asn; Asn. Correctional Psychol.(1st v.pres, 55); Correctional Asn. Delinquency and criminality; evaluation of psychotherapy; staff development; diagnosis and treatment of the sexual offender. Publ: Psychology of personality and adjustment, U.S. Armed Forces Inst. Regents, Univ. Wisconsin, 66; co-auth. Termination of inpatient treatment for sex deviates: psychiatric, social and legal factors, Am. J. Psychiat, 65; Predicting institutional and postrelease adjustment of delinquent boys, J. Consult. Psychol, 67. Address: Clinical Services, State Dept. of Health & Social Services, Box 669, Madison, Wis. 53701.

PACHTER, DR. HENRY M, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

PACOE, DR. LARRY VERN, b. Butler, Pa, Apr. 24, 38; m. 60; c. 1. PSYCHOLOGY. B.A. Pittsburgh, 60; M.A. Duquesne, 63, Ph.D.(psychol), 65. Instr. PSYCHOL, WEST. PSYCHIAT. INST. & CLIN. SCH. MED. PITTSBURGH, 65-66, ASST. PROF. 66- Staunton fel. psychol, 64-65. Psychol. Asn. Linguistic-kinetic variables in human behavior, particularly in interpersonal interaction. Publ: Co-auth. Anthropological psychology and behavioristic animal experimentation, In: *Conditio humana*, Springer-Verlag, Berlin, 66. Address: Western Psychiatric Institute & Clinic, University of Pittsburgh School of Medicine, Pittsburgh, Pa. 15213.

PADBERG, DR. DANIEL I(VAN), b. Summersville, Mo, Nov. 9, 31; m. 56; c. 3. AGRICULTURAL ECONOMICS. B.S. Missouri, 53, M.S. 55; Ph.D. (agr. mkt). California, Berkeley, 61. Asst. prof. agr. econ, Ohio State, 61-66; ASSOC. PROF. MKT. STATE UNIV. N.Y. COL. AGR. CORNELL, 66- Proj. leader retailing, Nat. Cm. Food Mkt. 65-66; mem. President's Task Force Agr. Bargaining, 67-68. U.S.N. 55-58, Lt. Comdr. Agr. Econ. Asn. Agricultural marketing, particularly market structure, food retailing, farmer bargaining and consumer brand preferences. Publ: Economics of food retailing, Cornell, 68; Welfare and efficiency considerations in an integrated agriculture, 12/66 & co-auth. Measuring consumer brand preferences, 8/67, J. Farm Econ. Address: Dept. of Agricultural Economics, State University of New York College of Agriculture at Cornell University, Ithaca, N.Y. 14850.

PADDEN, DR. ROBERT C, Mod. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

PADELFORD, EDWARD A(LOYSTUS), JR, b. Wilkes-Barre, Pa, Nov. 12, 26. POLITICAL SCIENCE, ECONOMICS. B.S. Georgetown, 50. Mem. for. affairs & mgt. intern prog, U.S. DEPT. STATE, 51-52, intel. res. specialist, div. Near East, S.Asian & African Affairs, 52-61, asst. officer in charge, BUR. NEAR EAST-S.ASIAN AFFAIRS, 61-66, POLIT. MIL. OFFICER, 66- Part-time instr. Catholic Univ; lectr. U.S. Naval Acad, U.S. Mil. Acad, J.F. Kennedy Spec. Warfare Center, Ft. Bragg, N.C, Inst. Defense Anal, Mil. Assistance Inst, Arlington, Va. & various cols. & univs. U.S.A.F. 44-46, Res. 46-, Maj. Near Eastern, including Greece; South Asian, including

Indian Ocean; military affairs; United States politics, culture and history. Address: 3850 Tunlaw Rd. N.W., Washington, D.C. 20007.

PADELFORD, PROF. NORMAN J(UDSON), b. Haverhill, Mass, Nov. 18, 03; m. 29; c. 3. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. Ph.B. Denison, 25, LL.D. 47; Ph.D.(govt), Harvard, 29. Asst. prof. polit. sci. Colgate, 29-33; prof. & chmn. dept. 33-36; PROF. int. law, Fletcher Sch. Law, 36-44; POLIT. SCI. MASS. INST. TECH, 45-, MEM. SR. STAFF, CENTER INT. STUDIES, 59-, chmn. dept. polit. sci. 54-59. Adv. to secy. state, London Coun. For. Ministers, secy. conf. Jurists Int. Court Justice, D.C. & exec. officer, UN Conf, Calif, 45; consult, U.S. Dept. State, 42-49. Mem. U.S. staff, Dumbarton Oaks Conf. Int. Orgn, 44; mem. bd. trustees, Denison, 56- Polit. Sci. Asn; fel. Am. Acad. Arts & Sci; Am. Soc. Int. Law. United States foreign policy; international organization affairs and politics; political behavior of nations members of the United Nations on issues within world organization and operation of regional organizations. Publ: Politics in United Nations elections; Dynamics of international politics; co-auth. The United Nations in the balance, Praeger, 65. Address: Dept. of Political Science, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

PADEN, DR. DAVID L(OWRY), b. Berea, Ohio, Sept. 30, 30; m. 56; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. B.S. Miami (Ohio), 51; M.B.A. Indiana, 52, J.H. Edwards fel. 55-56, D.B.A. 62. Faculty lectr. transportation & admin. asst. to dean bus. admin, Indiana, 56-57; acting asst. prof. transportation, Stanford, 57-58, staff lectr. transportation mgt. prog, summer, 58, lectr. transportation & mgt. & res. asst. transportation sys., 58-59; asst. prof. mkt. transportation, Southern California, 60-63; economist, Stanford Res. Inst. 63-64; SR. ECONOMIST, MIDWEST RES. INST. 64- Asst. prof. California, Los Angeles, 60-61. Consult, insts. corps. & indust. orgns, 60-; mem. task force transportation res. & develop, U.S. Chamber Commerce, 65-66; indust. v.pres, Transportation Res. Forum, 68-69. U.S.N. 52-55, Res. 55-, Comdr. Econ. Asn. Transportation economics, operations, policy and technology; managerial, marketing and industrial economics; corporate planning and strategy; business and military logistics; management information and control systems. Publ: Co-auth. Transportation horizons—the decade of the 1960's, Univ. Southern California, 61; auth. Railroad technology, Stanford Res. Inst. 64; Intercity surface travel technology—the outlook to 1975, Transportation Res. Forum, 64. Address: Midwest Research Institute, 425 Volker Blvd, Kansas City, Mo. 64110.

PADEN, PROF. DONALD W, b. Iowa City, Iowa, Oct. 25, 13; m. 43; c. 3. ECONOMICS. Ph.D. Iowa, 42. Economist, U.S. Dept. Commerce, 43-46; asst. prof. ECON, ILLINOIS, URBANA, 46-50, assoc. prof. 50-58, PROF. 58- Econ. Asn; Statist. Asn. Statistics for economics and business; national income; economics education by way of programmed and televised instruction. Address: 226 David Kinley Hall, University of Illinois, Urbana, Ill. 61801.

PADFIELD, DR. HARLAND IRVINE, b. Chandler, Ariz, July 23, 26; m. 49; c. 2. CULTURAL ANTHROPOLOGY. B.A. San Diego State Col., 50; M.A. Arizona State, 52; Ph.D.(cultural anthrop), Arizona, 64. Master, San Miguel Sch. Boys, 52-54; dir. ed, Episcopal Boys' Home, Kans. 54-55; teacher Eng, Arizona, 55-56; high sch, Ariz, 56-59; teacher Eng, ARIZONA, 59-62, RES. SPECIALIST, bur. bus. & pub. res, 62-64, BUR. ETHNIC RES, 64-, ASST. PROF. ANTHROP, 65- U.S. Dept. Labor res. grant soc. change in agr, 62-64; Rockefeller Found. res. grant agr. develop. & soc. change, northwest. Mex. 66-67. Award, Am. Farm. Econ. Asn. 66. U.S.N. 44-46. Fel. Anthropol. Asn; fel. Soc. Appl. Anthropol. Publ: Farmers, workers and machines: technological and social change in farm industries in Arizona, Univ. Arizona, 65; Social foundations of rural poverty in the Southwest, Arizona Rev, 6, 7/67; co-auth. Organizational and resource factors affecting Mexican agricultural development, Proc. West. Farm Econ. Asn. Meetings, 7/67. Address: Dept. of Anthropology, University of Arizona, Tucson, Ariz. 85721.

PADGETT, DR. EDWARD R(MIDDLE), b. Detroit, Mich, Jan. 19, 22; m. 51. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B. Hopkins, 47; M.A. George Washington, 49; Ph.D.(polit. sci), Maryland, 57. Asst. prof. polit. sci. & hist, Washington Col, 50-51, 52-56; instr. govt. & polit, Maryland, 51-52, lectr. 53-56, instr. European Prog, 56-57, asst. prof. 57-58; POLIT. SCI, CIN-CINNATI, 58-62, assoc. prof. 62-68, PROF. 68-, PROG. ADV. GRAD. PROG. PUB. ADMIN, 64- Consult, Brookings Inst. 60-61. U.S.A.F. 43-46. Polit. Sci. Asn; Soc. Pub. Admin; Acad. Polit. & Soc. Sci. Administration of American foreign policy, especially national policy machinery and bi-partisanship; decision making in federal governmental agencies; administrative behavior. Publ: Congress and China policy: a critical appraisal, Univ. Cincinnati Center Study Am. For. Policy, 61; co-auth. Line-staff relationships in employee training, Int. City Mgrs. Asn, 67; auth. A nation looks at its policy machinery, Int. Rev. Admin. Sci, 65. Address: Dept. of Political Science, University of Cincinnati, Cincinnati, Ohio 45221.

PADGETT, DR. JERRY HILL, b. Hayesville, N.C, Nov. 17, 32; m. 57; c. 2. ECONOMICS. B.S. Clemson Col., 54, M.S. 55; Ph.D. Purdue, 60. Asst. Clemson Col., 54-55; asst. economist, GEORGIA, 55-57, asst. prof. agr. econ, 57-67, ASSOC. PROF. ECON, 67-, COORDINATOR GRAD. STUDIES, COL. BUS. ADMIN, 67- Asst. Purdue, 57-59. Consult, Hort. Res. Inst, 65- Marketing horticultural specialties; plant location; interregional competition; marketing dairy products. Publ: Economic analysis of consumer market for woody ornamentals, Ga. Agr. Exp. Sta. Bull; So you want to be a pecan speculator, Atlanta Econ. Rev, 66. Address: College of Business Administration, University of Georgia, Athens, Ga. 30601.

PADOVER, PROF. SAUL K, b. Austria, Apr. 13, 05; U.S. citizen; m. 57. POLITICS. A.B. Wayne, 28; Yale, 28-29; A.M. Chicago, 30, Ph.D. 32. Res. assoc. California, 33-36; Guggenheim Found. fel. 36-37; asst. to secy. U.S. Dept. Interior, 38-43; Rockefeller fel. 45; ed. writer, Newspaper PM, 48-48; consult. Hoover Inst, Stanford, 48; vis. prof. Paris, 49; PROF. POLIT, NEW SCH. SOC. RES. 50- Vis. prof. Columbia, 54-55, teachers col, 54; proj. dir. Carnegie Endowment Int. Peace, 55-56; vis. prof. Tokyo, 60; Univ. Malaya, 60; prof. Salzburg Summer Seminar Am. Studies, 66. Commonwealth silver medal, 34. Polit. Sci. Asn. Research on biography of Karl Marx. Publ: The genius of America, McGraw, 60; The meaning of democ-

- racy; Jefferson and the foundations of American freedom, Van Nostrand, 65. Address: New School for Social Research, 66 W. 12th St, New York, N.Y. 10011.
- PAGE, PROF. CHARLES H(UNT), b. Tonawanda, N.Y., Apr. 12, 09; m. 36. SOCIOLOGY. A.B. Illinois, 31; Ph.D.(sociol), Columbia, 40. Instr. Birch-Wathen Sch, N.Y., 31-33; City Col. New York, 39-41, prof. sociol. & anthrop. & chmn. dept, 52-53; lectr, Columbia, 41-42; prof. sociol, Smith Col, 46-52, 53-60; prof. sociol. & chmn. dept. sociol. & anthrop, Princeton, 60-65; prof. sociol, California, Santa Cruz, 65-67, provost, Stevenson Col, 65-67; PROF. SOCIOL. MASSACHUSETTS, 66- U.S.N.R., 42-46, Lt. Comdr. Sociol. Asn. (ed, Am. Sociol. Rev, 58-60); Soc. Study Social Probs. Social stratification; bureaucracy; social theory; sociology of knowledge. Publ: Class and American sociology; Society: an introductory analysis; co-auth, Sociology and contemporary education, Random, 64. Address: Dept. of Sociology, University of Massachusetts, Amherst, Mass. 01003.
- PAGE, DR. CURTIS W(ILBUR), b. Cloud Chief, Okla, Jan. 6, 26; m. 47; c. 2. CLINICAL PSYCHOLOGY. B.A. Denver, 50, M.A., 51, fel, 51-52, Ph.D. (clin. psychol), 52. Clin. psychologist, Jamestown State Hosp, 52; chief clin. psychologist, Willmar State Hosp, Minn, 52-54; Fergus Falls State Hosp, 54-56; Osawatimie State Hosp, Kans, 56-57; dir. res. & training, Traverse City State Hosp, Mich, 57-65; SR. V.PRES. & V.CHMN. BD, SANFORD MGT. SERV, 65- Psychol. Asn. Group psychotherapy; personality theory; management development. Publ: An exploratory study of the affective reactions of patients in cortisone therapy; Comparative study of three types of group psychotherapy formulations; Group psychotherapy and concomitant psychological change. Address: 1212 Wilshire Blvd, Los Angeles, Calif. 90017.
- PAGE, EDWARD L(UPTON), b. Quincy, Mass, Oct. 8, 16; m. 51; c. 3. INDUSTRIAL ENGINEERING. B.S.E. Michigan, 40, M.S.E., 53. Indust. engr, King-Seeley Corp, 39-40, Reidler Knitting Mill, 40-41; tool engr, Detroit Transmission Div, Gen. Motors Corp, 41-42; Am. Designing & Eng. Corp, 42-43; mech. engr, Detroit Tap & Tool Co, 43-47; instr. mech. eng, Lawrence Inst. Tech, 47-48; from instr. to assoc. prof. indust. eng, Michigan, 48-65; founder & gen. mgr, Employ. Enterprises Develop. Corp, 65-67; PRES, Soc. Sys. Inst. Inc, 66-68; SOCIO-ECON. INST, 67- Adj. res. assoc, bur. indust. rels, grad. sch. bus. admin, Michigan, 65- Adv. Waseda Univ, Japan, 56-58; U.S. Opers. Mission prof. prod. tech, Inst. Tech. Aeronaut, Brazil, 60-62. Consult, George Ennen Co, 50; Chelsea Prods, Inc, 51; Argus Cameras, 54-55; Buckeye Prods. Corp, 55; Am. Forging & Socket Co, 55; Albion Malleable Iron Co, 59. Mem. ad hoc com. time designation, U.S. Standards Asn. & U.S. Bur. Standards, 66- Soc. Eng. Ed; Inst. Indust. Eng. Management analysis and control; plant layout and material handling; methods and time study; application of industrial engineering principles and practices to social and economic problems—socio-economic engineering. Publ: Page pages; Technidata; Material handling equipment outline. Address: 2618 Essex Rd, Ann Arbor, Mich. 48104.
- PAGE, DR. ELLIS BATTEN, b. San Diego, Calif, Apr. 29, 24; m. 52; c. 3. EDUCATIONAL PSYCHOLOGY. A.B. Pomona Col, 47; M.A., San Diego State Col, 55; Ed.D., California, Los Angeles, 58. Teacher, high sch, Calif, 52-56; asst. ed. psychol, California, Los Angeles, 56-57; mem. faculty psychol. & couns, San Diego City Col, 57-58; lectr. psychol. & dir. guid. & testing, Eastern Michigan, 58-60; prof. ed. & psychol. & dean col. ed, Texas Woman's Univ, 60-62; PROF. ED. PSYCHOL. & DIR. BUR. ED. RES, CONNECTICUT, 62- Nat. Sci. Found. summer fel, Michigan, 59; vis. prof. & statist. consult, Wisconsin, 60 & 62; vis. prof, Stanford, 64; New Eng. vis. scientist, comput. center, Mass. Inst. Tech, 66-67. Consult, U.S. Off. Ed. U.S.M.C., 43-46, Res, 46-, Capt. Fel. AAAS; fel. Psychol. Asn; Personnel & Guid. Asn; fel. Philos Ed. Soc; Statist. Asn; Psychomet. Soc; Soc. Info. Sci; Asn. Comput. Mach; Asn. Mach. Transl. & Comput. Ling; Asn. Ed. Data Sys; Ling. Soc. Am. Educational measurement and statistical prediction; educational and adolescent psychology; computer analysis of student essays. Publ: Teacher comments and student performance: a seventy-four classroom experiment in school motivation, J. Ed. Psychol; Ordered hypotheses for treatments, J. Am. Statist. Asn; Grading essays by computer, Phi Delta Kappan. Address: Bureau of Educational Research, University of Connecticut, Storrs, Conn. 06268.
- PAGE, PROF. HORACE A(LLEN), b. Trenton, N.J., Apr. 8, 25; m. 45; c. 3. PSYCHOLOGY. B.S., Pa, State, 47, M.S., 48, Ph.D., 51. Staff psychologist, Vet. Admin. Hosp, Perry Point, Md, 51-52; asst. prof. PSYCHOL, Wisconsin, 52-57; assoc. prof, Temple, 57-62, PROF, KENT STATE, 62- Consult, Vet. Admin, 53- Dipl. Am. Bd. Exam. Prfnl. Psychol, 56. U.S.M.C., 43-46, 2nd Lt. Fel. AAAS; fel. Psychol. Asn. Personality dynamics; learning; psychotherapy; studies in fantasy; autokinetic movement as a function of flicker and movement after effects. Address: Dept. of Psychology, Kent State University, Kent, Ohio 44240.
- PAGE, DR. HOWARD E(ASTMAN), b. Groton, Vt, Sept. 28, 15; m. 42; c. 3. PSYCHOLOGY. B.S. Vermont, 37; M.A. Clark, 38, Ph.D.(psychol), 40. Instr. psychol, Amherst Col, 40-41; voc. & ed. adv, Voc. Counseling Serv. Inc, Conn, 45-46; res. psychologist, off. chief naval air training, U.S. Naval Air Sta, 47-50; dir. psychol. sci. div, Off. Naval Res, 50-57, chief scientist, br. off, London, Eng, 58-60; head off, INSTNL. PROGS, NAT. SCI. FOUND, 60-62, div. dir, 62-66, DEP. ASSOC. DIR, 66- Adj. Gen. Dept, 41-45, Lt. Col. AAAS; fel. Psychol. Asn. Personnel selection and training; research administration; relation between area of stimulation and intensity of light at various levels of visual excitation as measured by pupil constriction; higher education. Publ: Human behavior and the conference process, Personnel Admin. Address: National Science Foundation, Washington, D.C. 20550.
- PAGE, DR. H(OWARD) J(OSEPH), Exp. Psychol, see 11th ed, Phys. & Biol. Vols.
- PAGE, PROF. JAMES D, b. Rome, N.Y., May 6, 10; m. 38; c. 2. CLINICAL PSYCHOLOGY. A.B. Columbia, 32, M.A., 34, Ph.D.(psychol), 35. Res. fel. psychopath, N.Y. State Psychiat. Inst, 35-37; instr. psychol, Rochester, 37-41; asst. prof, TEMPLE, 41-44, assoc. prof, 46-48, PROF. CLIN. PSYCHOL. & DIR. PSYCHOL. CLIN, 48- Consult, Vet. Admin, 58- Dipl, Am. Bd. Clin. Psychol. U.S.P.H.S., 44-46, Lt. Comdr. Psychol. Asn. Behavior disorders in children; psychopathology; personality theory. Publ: Abnormal psychology, McGraw, 48; Approaches to psychopathology, Columbia, 66. Address: Dept. of Psychology, Temple University, Philadelphia, Pa. 19122.
- PAGE, PROF. JOHN L(ORENCE), b. Grapevine, Tex, Sept. 23, 01; m. 37. GEOGRAPHY. A.B. Oklahoma, 28; A.M. Clark, 27, Ph.D.(geog), 29. Lectr. GEOG, California, 27; assoc, ILLINOIS, URBANA, 29-45, assoc. prof, 45-50, prof, 50-65, EMER. PROF, 65- AAAS; Asn. Am. Geog; Meteorol. Soc. Long-period climatic variations in North America; climatic regions of North America. Publ: Climate of Mexico; Climate of Illinois. Address: 716 S. Lynn St, Champaign, Ill. 61820.
- PAGE, DEAN R(ALPH) E(MERSON), b. Middlebury, Ind, Feb. 4, 03. POLITICAL SCIENCE. A.B. Bluffton Col, 26; fel, Syracuse, 27-30, A.M., 28, Ph.D. 34. Asst. prof, Bucknell, 30-31, assoc. prof, 31-38, prof, 38-46, head dept, 31-46, chmn. div. soc. sci, 38-46, dean men, 40-46; dir. training, N.Y. State Maritime Acad, 46-47; v.pres. & dean, Parsons Col, 47-48; DEAN COL. ARTS & SCI, FLORIDA, 48-, PROF. POLIT. SCI, 66- Polit. Sci. Asn. Address: College of Arts & Sciences, University of Florida, Gainesville, Fla. 32603.
- PAGE, DR. RICHARD M(ARTIN), b. Spencer, Iowa, Mar. 3, 98; m. 24. PSYCHOLOGY. A.B. Michigan, 21; M.S. Chicago, 32; Ph.D.(psychol), Northwestern, 41. Instr. psychol, New Mexico, 29-30, asst. prof, 30-33; asst. personnel mgr, Denver Munic. Water Works, 33-34, chief clerk, 34-35, acting rate engr, 36; consult. psychologist, Denver, 37-38; psychologist, bur. child study, Bd. Ed, Chicago, 39-42, admin. asst, 42-45, ed. Ed. Progress, 48-56; CONSULT. PSYCHOLOGIST, 57- Vis. lectr, Illinois, 47-48. Consult. psychologist, Ill, 45-47. Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn. Industrial psychology; retirement counseling; school psychology. Publ: How to pick the right climate; Personal reaction survey; Aggression and withdrawal in relation to frustrating factors in the lives of children. Address: 2767 Miradero Dr, Apt. D, Santa Barbara, Calif. 93105.
- PAGE, PROF. ROGER B(ETHEL), b. Richmond, Va, Aug. 14, 17; m. 42; c. 4. PSYCHOLOGY. B.A. Richmond, 38; Wisconsin, 38-39; Ph.D.(psychol), Minnesota, 47. Instr. & counsr, MINNESOTA, 41-42, from asst. prof. to PROF. PSYCHOL, 46-, ASSOC. DEAN COL. SCI, LIT. & ARTS, 58-, coord. natl faculty counseling, 46-48. U.S.N.R., 42-45, Lt. Psychol. Asn. Student personnel. Address: 7745 Xerxes Ave. S.W., Minneapolis, Minn. 55405.
- PAGE, DR. THOMAS, b. Topeka, Kans, Oct. 3, 13; m. 37. POLITICAL SCIENCE. B.A. Kansas, 34; fel, Minnesota, 46, M.A., 48, Ph.D.(polit. sci), 51. Res. assoc, bur. govt. res, Kansas, 46-48, instr. polit. sci, 49-51; instr. POLIT. SCI, ILLINOIS, URBANA, & res. assoc, inst. govt. & pub. affairs, 51-53, asst. prof. univ. & res. asst. prof, inst, 53-60, ASSOC. PROF, 60- Dir. training, Univ. Illinois-Peace Corps Proj. for India, 62-63. Consult, Nat. Manpower Coun; Munic. Manpower Cmn; U.S. Dept. Navy; U.S. Dept. Agr. Mem. adv. bd, Ill. Dept. Personnel, 61-, secy, 61-66, chmn, 67- U.S.A.A.F., 42-45, Lt. Polit. Sci. Asn; Soc. Pub. Admin; Soc. Personnel Admin; Pub. Personnel Asn. Public administration; American government. Publ: Ed. Next steps in Illinois personnel administration; ed. & contrib. The public personnel agency and the chief executive; auth, State Personnel reorganization in Illinois. Address: 2022 Burlington Dr, Urbana, Ill. 61801.
- PAGLIN, PROF. MORTON, b. New York, N.Y., Feb. 15, 22; m. 49; c. 2. ECONOMICS. A.B. Miami (Fla), 43; Ph.D.(econ), California, 56. Economist, bur. labor statist, U.S. Dept. Labor, 50-53; statistician & acting chief div. statist. & anal, Pac. Area, Mil. Sea Transportation Serv, 55-56; asst. prof. speech & econ, California, 57-61; assoc. prof. ECON, PORTLAND STATE COL, 61-65, PROF, 65- U.S. Pub. Health Serv. res. grant, 63-65; Ford Found. faculty fel. econ, 67-68. Econ. Asn; Statist. Asn. Productivity in underdeveloped areas; effects of public health measures on population and productivity; history of economic thought. Publ: Malthus and Lauderdale: the anti-Ricardian tradition; ed, Inquiry into the nature of public welfare; auth, Surplus agricultural labor and development, Am. Econ. Rev, 9/65 & 3/67. Address: Dept. of Economics, Portland State College, Portland, Ore. 97207.
- PAHNKE, DR. WALTER NORMAN, b. Harvey, Ill, Jan. 18, 31; m. 59; c. 2. PSYCHIATRY, PSYCHOLOGY OF RELIGION. A.B. Carleton Col, 52; Chicago Community Trust Fund scholar, Harvard, 52-55, M.D., 56, Rockefeller Brothers Theol. fel, 57-58, Hopkins Share scholar, 59-60, B.D. 60, Arthur Lehman fel, 60-63, Kent fel, 60-64, Sheldon fel, 63-64, Ph.D.(psychol, philos. of relig), 64; Göttingen, 64. Intern, Denver Gen. Hosp, Colo, 56-57; resident psychiatrist, Mass. Ment. Health Center, 64-67; res. psychiatrist, PSYCHEDELIC DRUG RES, Friends Psychiat. Res, SPRING GROVE STATE HOSP, 67, CHIEF RES. PSYCHIATRIST, MD. STATE PSYCHIAT. RES. CENTER, 68- Gen. practitioner, summer 57-59, 61; fel, Harvard, 64-67. Am. Med. Asn; Soc. Biol. Psychiat. Clinical psychiatric research; psychopharmacology; LSD-type, psychedelic drug research with normal subjects and patients; psychedelic, LSD-assisted, psychotherapy with alcoholic, neurotic, and dying cancer patients; pastoral theology. Publ: Co-auth, Implications of LSD and experimental mysticism, J. Relig. & Health, 7/66; auth, The contribution of the psychology of religion to the therapeutic use of the psychedelic substances, In: The use of LSD in psychotherapy and alcoholism, Bobbs, 67; LSD and religious experience, In: LSD, man, and society, Wesleyan, 67. Address: Maryland State Psychiatric Research Center, Spring Grove State Hospital, Baltimore, Md. 21228.
- PAIGE, PROF. GLENN D(URLAND), b. Brockton, Mass, June 28, 29; m. 49; c. 6. POLITICAL SCIENCE. A.B. Princeton, 55; Woodrow Wilson fel, Harvard, 55-56, Ford Found. fel, 56-59, M.A., 57; Ph.D.(polit. sci), Northwestern, 59. Asst. prof. pub. admin, Minnesota, 59-61; polit, Princeton, 61-67; polit. scientist, soc. sci. res. inst, HAWAII, 67-68, PROF. POLIT. SCI, 68- Res. adv. sch. pub. admin, Seoul Nat. Univ, 59-61. Mem. joint com. Korean studies, Soc. Sci. Res. Coun. & Am. Coun. Learned Soci, 67- U.S.A., 48-52, 1st Lt. Polit. Sci. Asn; Asn. Asian Studies; Soc. Psychol. Study Social Issues; Soc. Pub. Admin. Creation of a conceptual framework for study of political leadership containing the following elements, concepts of leadership, personality development, roles, organizational behavior, tasks,

societal context, evaluative criteria, education for leadership and research methods. Publ: The Korean decision; June 24-30, 1960, Macmillan, 68; Proposition-building in the study of comparative administration, Comp. Admin. Group, Am. Soc. Pub. Admin, 64. Address: Social Science Research Institute, University of Hawaii, 1914 University Ave. 101, Honolulu, Hawaii 96822.

PAIKERT, PROF. G(EZA) C(HARLES), Polit. Sci, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

PAILTHORP, R(AYMOND) R(ANDALL), Agr. Econ, see 10th ed, Soc. & Behav. Vols, deceased 87.

PAINE, DR. HAROLD E(LWOOD), b. Atkinson, Maine, Mar. 27, 19; m. 47; c. 5. PSYCHOLOGY. B.S. Boston, 46; fel. Western Reserve, 47-49, Ph.D. (psychol), 50. Asst. prof. psychol, Kent State, 50-51; chief psychologist, State Bur. Juvenile Res, Ohio, 51-54; Columbus Receiving Hosp. for Children, 54-57; Mem. Guid. Clin. Richmond, Va, 57-60; PRACTICING PSYCHOLOGIST, 60- Consult, Albuquerque Child Guid. Center, 62- U.S.A., 41-46. Psychol. Asn. Personality development; parent-child relationships; delinquency. Address: 2807 San Mateo, Albuquerque, N.Mex. 87110.

PAINE, DR. NEIL R(EUBEN), b. Houston, Tex, Nov. 23, 34. STATISTICS, ACCOUNTING. B.A. Rice, 57; univ. fel. Texas, 57-59, M.B.A., 59, Ford Found. fel, 59-61, Ph.D., 61. Asst. prof. bus. statist, HOUSTON, 61-64, ASSOC. PROF. QUANT. MGT. SCI, 64- Econ. Asn; Statist. Asn. Application of quantitative methods in business. Publ: Uncertainty and capital budgeting, Acct. Rev, 4/64; A case study in mathematical programming of portfolio selections, Appl. Statist, 3/66. Address: College of Business Administration, University of Houston, Cullen Blvd, Houston, Tex. 77004.

PAINE, DR. ROBERT PATRICK BARTEN, b. Portsmouth, Eng, 26; m; c. 1. ANTHROPOLOGY, SOCIOLOGY. B.A. Oxford, 50, dipl. soc. anthropol, 51, B.Sc., 55, D. Phil.(soc. anthropol), 60; Brit. Coun. scholar, Norway, 52-54. Asst. inst. soc. anthropol, Oxford, 54-55, Alan Coltart scholar, Exeter Col, 55-57; Norwegian Res. Coun. Sci. & Humanities, 57-62; res. fel. Bergen, 62-65; PROF. SOCIOL. & ANTHROP. & HEAD DEPT. & DIR. SOCIOL. RES, INST. SOC. & ECON. RES, MEMORIAL UNIV, 65- Lectr, Oslo, 64. Royal Anthropol. Inst. North Europe; Arctic; ecology; ritual; small groups. Publ: Lapp betrothal: a description and social anthropological analysis of the ritual and contract of betrothal among reindeer breeders, Studia Ethnographica Upsalensis, Upsala, 64; Coast Lapp society II: a study of economic development and social values, Tromsø & Oslo, 65; A critique of the methodology of Robert Redfield: folk culture and other concepts, Ethnos, 68. Address: Dept. of Sociology & Anthropology, Memorial University of Newfoundland, St. John's Newf, Can.

PAINTER, DEAN EDITH PRATT, b. U.S., Sept. 19, 25; m. 52; c. 2. PSYCHOLOGY. B.S. Tufts, 47; Anne Elizabeth Cook fel. & M.A., Columbia, 48; Ed.D. (ed. psychol), Colo. State Col, 64. Asst. dean women, Meredith Col, 48-50; students, New Paltz State Col, 50-51; recreation dir, U.S. Armed Serv, Ft. Monmouth, N.J., 51-52; exec. dir, Community Agency, Quincy, Mass, 52-58; dean women, Boise Col, 58-61; DEAN WOMEN & ASSOC. PROF. PSYCHOL, YOUNGSTOWN STATE, 61- Psychol. Asn. Variables determining early college marriage; combining marriage and careers for women. Publ: Significant variables predicting early college marriage, NAWDC Jour, spring 67. Address: Dept. of Psychology, Youngstown University, Youngstown, Ohio 44503.

PAINTING, DR. DONALD H(ERBERT), b. Rochester, N.Y., Dec. 23, 29; m. 56; c. 1. CLINICAL PSYCHOLOGY. A.B. Rochester, 52; M.A., Kentucky, 54, U.S. Pub. Health Serv. fel, 55-56, Ph.D.(clin. psychol), 59. Clin. psychologist, U.S. Pub. Health Serv. Hosp, Lexington, Ky, 53-55, 56-59; trainee psychol, Louisville Child Guid. Clin, 55-56; clin. psychologist, Anclote Manor Psychiat. Hosp, Tarpon Springs, Fla, 59-60; Vet. Admin. Hosp, Coatesville, Pa, 60-64; CHIEF DIAG. SERV, PATHWAY SCH, NORRISTOWN, 64- Consult, Greenbank Sch, Glenmoore, 63- Private practice, 61- Psychol. Asn; Soc. Proj. Tech. Psychodiagnostic testing and psychotherapy with emotionally disturbed children and adults; psychopathology; diagnosis and treatment of minimally brain injured children. Publ: Performance of psychopathic individuals under conditions of positive and negative partial reinforcement, J. Abnorm. & Soc. Psychol. Address: 1412 Wren Lane, West Chester, Pa. 19380.

PAINTON, PROF. EMILE (BASSETT), b. Can, May 25, 05; nat; m. 44; c. 2. PSYCHOLOGY. A.B. San Jose State Col, 31; M.A., California, Los Angeles, 42, Ed.D., 49. PROF. PSYCHOL, Los Angeles Harbor Jr. Col, 49-52; LOS ANGELES CITY COL, 52- Psychol. Asn. Behavior maladjustments in relation to deficiencies in subjects; improvement of reading efficiency; emotional adjustment in relation to learning. Publ: Mental ability as a factor in guidance; Behavior maladjustments of adolescent boys. Address: 2009 Estes Rd, Los Angeles, Calif. 90041.

PAISIOS, DR. JOHN P(ETER), b. Boston, Mass, Sept. 21, 24; m. 48; c. 2. INDUSTRIAL PSYCHOLOGY. A.B. Boston, 49; M.S. Purdue, 51, Ph.D.(ind. psychol), 54. Instr. ed. res, Purdue, 53-54; asst. dir. div. ed. reference, 54; asst. ed. test dept, Sci. Res. Assoc., 54-55; dir. personnel, container div, Inland Steel Co, 55-57, asst. to v-pres. ind. rels, 57-59; staff personnel consult, George Fry & Assoc., 59-60, dir. & assoc. personnel & psychol. serv, 60-63, v-pres, 63-65; PRES, JOHN PAISIOS & ASSOC., 65- Instr. eve. div, Northwestern, 58- U.S.M.C. 42-45, 52-53, Lt. Psychol. Asn. Manpower planning; motivation leadership; human factors in management and organization. Publ: Factor analysis of the SRA youth inventory; summary report for the selective service system college qualification tests, 1954-1955; Social distance and housing, an investigation of the attitudes of an industrial population. Address: 312 E. Seventh St, Hinsdale, Ill. 60521.

PAIVIO, DR. ALLAN URHO, b. Port Arthur, Ont, Mar. 29, 25; m. 46; c. 5. PSYCHOLOGY. B.Sc. McGill, 49, M.Sc., 57, Ph.D.(psychol), 59. Lectr. psychol, Sir George Williams, summer, 57; res. psychologist, Cornell, 58-59; asst. prof. PSYCHOL, New Brunswick, 59-62; WESTERN ONTARIO, 62-

63, assoc. prof, 63-67, PROF, 67- R.C.N., 44-46. AAAS; Psychonomic Soc; Am. Psychol. Asn; Can. Psychol. Asn. Verbal learning and memory; psycholinguistics; social behavior. Publ: Personality and audience influence, In: Progress in experimental personality research, vol. 2, Acad. Press, 65; Abstractness, imagery and meaningfulness in paired associate learning, 65 & A factor analytic study of word attributes and verbal learning, 68, J. Verbal Learning & Verbal Behav. Address: Dept. of Psychology, University of Western Ontario, London, Ont, Can.

PAJOR, DR. W(LADYSLAW), b. Lask, Poland, Dec. 7, 20; m. 55; c. 3. ECONOMICS, STATISTICS. M.Econ, Madrid, 50, D.Econ, 52. Economist & statistician, for. trade dept, Spanish Textile Indust, 54-57; T. EATON CO. LTD, 57-63, mgr. oper. res, 63-64, mgr. res, 64-66, CO. MGR. INFO. SYSTS, 66- Polish Army, 39-45. Am. Statist. Asn; Can. Oper. Res. Asn; Am. Mgt. Asn. International cotton marketing problems; sales analysis and forecasting; plant and warehouse location; economic and operating problems. Publ: U.S.A. losing its historical position in international cotton trade & Hong Kong industry fighting for international markets, Balance; International cotton markets, Textile. Address: Company Information Systems Office, T. Eaton Co, Ltd, 43 Dundas St. W, Toronto 1, Ont, Can.

PAK, DR. BYUNG KOO, b. Kwangju, Korea, Mar. 24, 37; m. 66. POLITICAL SCIENCE. B.A. Union Col, 61; M.A., Fla. State, 63, Ph.D.(polit. sci), 65. ASST. PROF. POLIT. SCI, Mercer, 65-66; Texas Woman's Univ, 66-67; EAST CAROLINA, 67- Polit. Sci. Asn. Importance of psycholinguistic factors for political systems. Address: Dept. of Political Science, East Carolina University, Greenville, N.C. 27834.

PAK, DR. CHI YOUNG, b. Seoul, Korea, Aug. 12, 30; m. 65; c. 1. POLITICAL SCIENCE. B.A. Idaho, 56; M.A., Columbia, 58; Ph.D.(polit. sci), N.Y. Univ, 63. ASST. PROF. POLIT. SCI, Va. State Col, Norfolk, 63-65; WYOMING, 65-, faculty summer res. fel, 67. Univ. Denver Grad. Sch. Int. Studies res. grant, 67-68. Polit. Sci. Asn. International relations and comparative politics. Publ: The third republic constitution of Korea: an analysis, West. Polit. Quart, 3/68. Address: 1217 Lewis St, Apt. 3, Laramie, Wyo, 82070.

PAK, PROF. CHONG MO, b. Pyongan Nam Do, Korea, Nov. 20, 28; U.S. citizen; m. 55. POLITICAL SCIENCE. B.A. Huron Col.(S.Dak), 53; M.A., Wisconsin, 55; D.P.A., Southern California, 62. Instr. Korean, U.S. Army Lang. Sch, 55-58; staff assoc, Coro Found, Los Angeles, Calif, 59-60; res. assoc. pub. admin, Brazil Proj, Univ. Southern California, 60-61, Instr. sch. pub. admin, 61-62; asst. prof. POLIT. SCI, CARROLL COL.(WIS), 62-63, assoc. prof, 63-65, PROF, 65- Consult, police admin. prog, Marquette, 63; ed. consult. Police Depts, Cities of Waukesha & New Berlin & County of Waukesha, Wis, 67- Edward Uhrig Mem. Award Excellence in Teaching, 64. Polit. Sci. Asn; Soc. Pub. Admin; Acad. Polit. & Soc. Sci. Dynamics of personnel interaction within the organizational context. Publ: Ed. A selection of case reports in public administration, Sch. Pub. Admin, Univ. Southern California, 61; auth. Development of public administration curriculum in United States (in Korean), Bop Jung (Law & Polit.), 1/61; Do not bring foreign students, unless... Saturday Rev, 8/64. Address: Dept. of Political Science, Carroll College, 100 N. East Ave, Waukesha, Wis. 53186.

PAL, DR. I(ZZUD) D(IN), b. Amritsar, India, Jan. 22, 26; m. 57; c. 1. INTERNATIONAL ECONOMICS, ECONOMIC DEVELOPMENT. B.A. Univ. Panjab, Pakistan, 45, M.A., 48; M.Sc., London Sch. Econ, 52; Bronfman fel, McGill, 55-56, Ph.D., 60; summer, Can. Coun. travel grant, 59. Lectr. econ, Forman Christian Col, Pakistan, 48-50; sr. lectr. Univ. Panjab, 52-55; lectr. McGill, 58-61; from asst. prof. econ. to ASSOC. PROF. ECON. & POLIT. SCI, VICTORIA (B.C.), 61- Am. Econ. Asn; Economet. Soc; Can. Polit. Sci. Asn; fel. Royal Econ. Soc. International trade; commercial policy and economic development, especially of Pakistan. Publ: Pakistan: a case of an export-lagging economy, Economia Internazionale. Address: Dept. of Economics & Political Science, University of Victoria, 3155 Richmond Rd, Victoria, B.C., Can.

PALACIOS, DR. MAY (HUSNI), b. Tripoli, Lebanon, June 18, 26; U.S. citizen; m. 52; c. 2. CLINICAL PSYCHOLOGY. B.S. Utah State, 49; Palo Alto Med. Res. Found. fel, Stanford, 50-52, M.A., 52; Dept. Health, Ed. & Welfare fel, Purdue, 57-59, Ph.D.(clin. psychol), 59. Sr. clinician, adult clin, Purdue, 56-57, res. assoc. psychol, univ, 57-59; vis. prof, N.C. Col. Women, 60-61; res. assoc. auditory perception, Wichita, 62-64; ASSOC. PROF. PSYCHOL, BALL STATE, 65- Res. grants, Dept. Health, Ed. & Welfare, Voc. Rehab. Admin, 62-64, Am. Found. Blind, 66 & Ball State, 68. Clin. psychologist, Vet. Admin. Hosp, 62-65; clin. consult, Del. County Child Guid. Clin, 65- AAAS; Psychol. Asn. Auditory perception—it's structural aspect, how it relates to behavior, adjustment and learning; use of auditory perception as a diagnostic tool. Publ: The productive validity of the interview, J. Appl. Psychol, Vol. 50, No. 1: 67-72; Auditory perceptual patterns of process and reactive schizophrenics, J. Proj. Tech. & Personality Assessment, 31: 89-91; The sound test: an auditory projective technique, Seventh Int. Cong. Proj. Tech, Eng, 8/68. Address: 952 Gustave Place, Marion, Ind. 46952.

PALAMOUNTAIN, PRES. JOSEPH C(ORNWALL), JR, b. Newton, Mass, Nov. 26, 20; m. 46; c. 2. POLITICAL SCIENCE. A.B. Dartmouth Col, 42; fel. Harvard, 47-51, A.M., 48, Ph.D.(polit. econ. & govt), 51. Tutor govt, Harvard, 47-51, instr, 51-52, asst. prof, 52-55, sr. tutor, Adams House, 51-55; assoc. prof, Wesleyan, 55-59, prof, 59-65, chmn. dept, 60-61, provost acad. affairs, 61-65; PRES, SKIDMORE COL, 65- Vis. assoc. prof, Harvard, summer, 59; Soc. Sci. Res. Coun. grant, 59-60; vis. prof, grad. sch, Yale, 64-65. Consult, Brookings Inst, 59-60, Am. Govt. ed, Scott, Foresman & Co, 63- V.chmn. bd. trustees, Independent Day Sch, Middlefield, Conn, 63-65; assoc. trustee, N.Y. Univ. Med. Center, 65- Mem. Inter-Univ. Case Prog. Cmt. on Introd. Course, 59-62; bd. dirs, Family Serv. Asn, Conn, 60-65; Standing Cmt. Accreditation Conn. Coun. Higher Ed, 62-65; chmn. Gov. Cmt. Study Estab. Br. Univ. Connecticut in Middlesex County, 64-65; mem. bd. dirs, Adirondack Trust Co, N.Y., 65-; bd. dirs, Saratoga Performing Arts Center, 65-; Cmn. Independent Cols. & Univs, 66-; secy, Empire State Found. Independent Lib. Arts Cols, 67- U.S.N., 42-46, Lt. Comdr. Polit. Sci. Asn; Soc. Pub. Admin. Domestic policy formation; interrelations of politics and economics; national government. Publ: The politics of distribu-

tion, Harvard, 56; co-auth, Government and the American economy, Norton, 3rd ed, 59; auth, The Dolcin Case and the Federal Trade Commission, Univ. Alabama, 63. Address: Skidmore College, Saratoga Springs, N.Y. 12866.

PALAZZOLO, PROF. CHARLES SANTO, b. New Orleans, La, Aug. 29, 32; m. 56; c. 2. **SOCIOLOGY, RACE RELATIONS**. Ph.B. Loyola (La), 53; State Legis. grants, La. State, 53-55, M.A. 55; Pennsylvania, 61. Asst. La. State, 53-55; instr. SOCIOL, inst. indust. rels, Loyola (La), 55-56, summer, 54; St. Mary's Dominican Col, 56-59; ASST. PROF, VILLANOVA, 59-Group dynamics. Address: Dept. of Sociology, Villanova University, Villanova, Pa. 19085.

PALCHANIS, DR. A. EUGENE, b. Shavertown, Pa, Oct. 8, 36; m. 61; c. 3. **CLINICAL PSYCHOLOGY**. B.S. Scranton, 59; M.A. Ottawa (Ont), 62, Ph.D. (clin. psychol), 66. Clin. psychologist intern, Fairfield Hills Hosp, 63-64; staff psychologist, Ottawa Civic Hosp, 64-66; STAFF COUNSR, COL. HOLY CROSS, 66- Consult. clin. psychologist, Webster Intermediate Sch, 67- Psychol. Asn. Psychotherapy; language; institutional organization. Address: College of the Holy Cross, Worcester, Mass. 01610.

PALEN, DR. J. JOHN, b. Dubuque, Iowa, Feb. 24, 39; m. 62; c. 2. **SOCIOLOGY, DEMOGRAPHY**. A.B. Notre Dame, 61; Nat. Inst. Ment. Health fcls, Wisconsin, 61-64, M.S. 63, Ph.D. 66. Teaching asst. SOCIOL, Wisconsin, Madison, 64-65, instr. center syst, 65-66; ASST. PROF, WISCONSIN, MILWAUKEE, 66- Univ. Wisconsin center syst. grant, 66; faculty res. grant, Wisconsin, Milwaukee, 67. U.S.A. 67-, Capt. Sociol. Asn; Pop. Asn. Am. Urban sociology and demography. Publ: Co-auth, Color composition and city-suburban status differences, Land Econ, 65 & Unemployment and re-employment status, Indust. & Labor Rels. Rev, 68. Address: Dept. of Sociology, University of Wisconsin, Milwaukee, Wis. 53211.

PALERM, ANGEL, b. Ibiza, Spain, Sept. 11, 19; nat. Mex; m. 41; c. 4. **ANTHROPOLOGY**. B.A. Barcelona, 36; M.Hist. Mexico, 49. Anthropologist, Escuela Nacional de Antropologia, Mex, 51; prog. specialist, soc. sci. div, dept. cultural affairs & ed, Soc. Sci. Pan Am. Union, 52-58, chief, soc. sci. div, 57-58, exec. officer, 58-61, dir. dept. soc. affairs, 61-65; DIR. INST. SOC. SCI. IBEROAMERICAN UNIV, MEX, 66- Fel, Wenner-Gren Found, 54; prof. lectr, American Univ, 60-; vis. prof, Catholic Univ, 61- Mem. cmt. Latin Am. Nat. Acad. Sci-Nat. Res. Coun, 56-58; pres. publ. bd, Inter-Am. Cmt. Anthropol, Pan. Am. Inst. Geog. & Hist, 56-58, mem. bd. dirs, 57-58. Ed, sect. ethnol. Mid. Am. Caribbean Area, Handbook of Latin Am. Studies, 52-58. Hon. prof. Nat. Inst. Anthropol. & Hist, Mex, 51. Anthropol. Asn; Am. Geog. Soc; Mex. Anthropol. Soc; Inst. Anthropol. & Ethnol. Brazil. Social and cultural anthropology; ethnohistory and archaeology; primitive economics; social history, especially Latin America, Spain and Portugal, and Middle America and the Central Andes. Publ: The Tajin Tototnac. I. History, subsistence, shelter, and technology; Teoria etnologica, Iberoamerican Univ, Mex, 67; The agricultural bases of urban civilization in Mesoamerica, Soc. Sci. Monogr. Address: Instituto de Ciencias Sociales, Universidad Iberoamericana, Cerro de las Torres 395, Mexico 21, D.F.

PALERMO, PROF. DAVID S(TUART), b. Norwood, Mass, Aug. 21, 29; m. 52; c. 4. **CHILD PSYCHOLOGY**. B.S. Lynchburg Col, 51; M.S. Massachusetts, 53; Ph.D. (exp. child psychol), Iowa, 55. Asst. prof. PSYCHOL, Southern Illinois, 55-58; inst. child develop, Minnesota, Minneapolis, 58-63; assoc. prof. PA. STATE, 63-66, PROF, 66- Nat. Inst. Child Health & Human Develop. career develop. award, 65-70. Mem. ment. health fellowships rev. cmt. Nat. Inst. Ment. Health, 64-67. Fel. AAAS; fel. Psychol. Asn; Psychonomic Soc; Soc. Res. Child Develop. Learning theory; motivation; verbal learning. Publ: Co-auth, Research readings in child psychology, Holt, 63; Word association norms: grade school through college, Univ. Minnesota, 64; On the learning of morphological rules: an experimental analogy, J. Verbal Learning & Verbal Behav, 68. Address: Dept. of Psychology, Burrows Bldg, Pennsylvania State University, University Park, Pa. 16802.

PALISI, DR. BARTOLOMEO J., b. New York, N.Y., June 16, 33; m. 59. **SOCIOLOGY**. B.S. Brooklyn Col, 56, M.S. 60; Ph.D. (sociol), Nebraska, 63. ASSOC. PROF. SOCIOL, CALIF. STATE COL, FULLERTON, 63- U.S.A. 57-59. Sociol. Asn; Soc. Study Social Probs. Social organization; urban sociology; voluntary associations and social participation; population. Publ: Ethnic generation and social participation, Sociol. Inquiry, spring 65; Patterns of social participation in a two generation sample of Italian Americans, Sociol. Quart, spring 66; Ethnic patterns of friendship, Phylon, fall 66. Address: Dept. of Sociology, California State College at Fullerton, 800 N. State College Blvd, Fullerton, Calif. 92631.

PALLISTER, DR. HELEN, b. Brooklyn, N.Y., Oct. 15, 07; m. 35; c. 1. **PSYCHOLOGY**. A.B. Columbia, 29, fel. 31-32, Ph.D. (psychol), 33; Chicago, 30; Wash. Sch. Psychiat, 46. Asst. psychol, Barnard Col, Columbia, 29-31, instr. 39-40, 41-42; res. assoc. Psychol. Corp, 33-34; St. Andrews, 35-38; sch. psychologist, Columbia Grammar Sch, N.Y., 38-39, 40-41; asst. civil serv. exam, U.S. Civil Serv. Cmn, 42, employee counsr, 42-44; training specialist, U.S. Dept. State, 44-45; prof. PSYCHOL, Mt. Vernon Jr. Col, 46-47; INSTR, U.S. DEPT. AGR. GRAD. SCH, 48- Resident clin. psychologist, St. Elizabeths Hosp, 48-49; clin. psychologist, univ. hosp, George Washington, 49-64; staff psychologist, legal psychiat. serv, Dept. Pub. Health, Wash, D.C., 64-66; assoc. prof, Col. St. Teresa (Minn), 67-68. Psychol. Asn. General, developmental, applied and personality psychology. Address: 4602 Fessenden St. N.W., Washington, D.C. 20016.

PALLY, DR. SIDNEY, b. New York, N.Y., Apr. 29, 21; m. 42; c. 2. **PSYCHOLOGY**. Ph.D. (psychol), Pennsylvania, 51. Clin. psychologist, VET. ADMIN, 51-64, CHIEF PSYCHOLOGIST, N.Y. OUTPATIENT CLIN, 64- U.S.A. 43-45. Psychol. Asn. Rigidity; perception. Publ: Cognitive rigidity as a function of threat, J. Personality. Address: 94-11 60th Ave, Rego Park, N.Y. 11373.

PALM, DR. ROSE, b. Emmen, Netherlands, Apr. 17, 12; nat; m. 46. **PSYCHOLOGY**. B.A. Jr. Col, Kampen, Netherlands, 29; M.A. Amsterdam, 34, Ph.D. (psychol), 38. Chief psychologist, State Hosp, Apeldoorn, Netherlands, 38-40; lectr, Montessori Teachers Training Col, 41-42; clin. worker, State Training Sch. Boys, Warwick, N.Y., 44-45; psychologist, Jewish Bd. Guid, 45-

47; res. psychologist, Columbia Univ. & Josiah Macy Found, 47-48; sr. res. psychologist, State Dept. Ment. Hyg, N.Y., 48-53; instr. Hunter Col, 49-51; consult, family serv, Community Serv. Soc, 51-53; PSYCHOANALYST, 46- Lectr, Long Island Univ, 51-54; faculty & bd. mem, Inst. Psychoanal. Training & Res, 61-65. Mem. panel psychol, div. voc. rehab, N.Y. State Dept. Ed, 66- Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn. Theory and practice of psychoanalysis; processes of productive thinking. Publ: Six Days; Symbol formation in the Rorschach test and the dream, Psychoanal. Rev. Address: 263 West End Ave, New York, N.Y. 10023.

PALMATARY, HELEN C(ONSTANCE), b. Wilmington, Del, Sept. 12, 84. **ANTHROPOLOGY, ARCHAEOLOGY**. B.S. Pennsylvania, 24, M.A. 36. Res. assoc. Brazilian studies, Univ. Mus, Pennsylvania, 50-60; RETIRED. Fel. Anthropol. Asn; Asn. Am. Indian Affairs; Acad. Polit. & Soc. Sci; Folklore Soc; N.Y. Acad. Sci; fel. Inst. Anthropol. & Ethnol. Brazil. Archaeology of the Amazons, Marajó Island and the Tapajós Valley in Brazil. Publ: Tapajó pottery, Ethnog. Mus, Goteborg, Sweden, 39; Pottery of Marajó Island, Brazil, 50 & Archaeology of the Lower Tapajós Valley, Brazil, 60, Trans. Am. Philos. Soc. Address: 423 Wesley Terr, Des Moines, Wash. 98188.

PALMER, DR. ALLAN VAN, b. Savanna, Ill, May 25, 29; m. 51; c. 3. **ECONOMICS, BUSINESS ADMINISTRATION**. B.S. Iowa State, 51; M.B.A. North Carolina, 58, Julian Price Found. fel. & Ph.D. (mkt), 65. Instr. bus. mgt, Norfolk Col, Col. William & Mary, 56-57, asst. prof, 58-61; part time instr. statist, North Carolina, 61-64; assoc. prof. bus. admin, Old Dominion Col, 64-67, prof, 67-68; PROF. ECON. & BUS. ADMIN. & CHMN. DEPT, NORTH CAROLINA, CHARLOTTE, 68- U.S.N. 51-54, Res, 54-, Lt. Comdr. Mkt. Asn; Sales & Mkt. Exec. Int. Business economics and management; marketing; statistics. Publ: Forecasting advertising expenditures in the cigarette industry, Am. Mkt. Asn, 65. Address: Dept. of Economics & Business Administration, University of North Carolina, P.O. Box 12665, Charlotte, N.C. 28205.

PALMER, ARCHIE M(AC INNES), b. Hoboken, N.J., May 9, 96; m. 30; c. 2. **ACADEMIC ADMINISTRATION**. A.B. Cornell, 20; M.A. Columbia, 27; hon. D.C.L. Univ. of the South, 41. Acting dean col. arts & sci, Cornell, 20-23, exec. secy, Cornellian Coun, 34-38; sales & personnel res, Procter & Gamble Co, 23-24; bus. secy, Alumni Fedn, Columbia, 25-27; asst. dir, Inst. Int. Ed, 27-29; assoc. secy, Asn. Am. Cols, 29-34; pres, Chattanooga, 38-42; govt. serv, Off. Price Admin, War Prod. Bd. & U.S. Dept. State, 42-46; dir. patent policy surv, Nat. Res. Coun, 46-66; DIR, GALE RES. CENTER, 65- Mem. cmt. patent policy, Nat. Res. Coun, 33-; chmn, Govt. Patents Bd, 50-55. Officer, Order of White Lion, Czech. U.S.A. 17-20, Col. AAAS; Hist. Asn. Surveys; inventive productivity; patent licensing. Publ: Architectural planning of the American college; University research and patent policies and practices; Research centers directory. Address: 3321 Runtymede Place, N.W., Washington, D.C. 20015.

PALMER, DR. BRUCE E(UGENE), b. Eugene, Ore, May 29, 30; m. 51; c. 2. **CLINICAL PSYCHOLOGY**. B.A. Yankton Col, 53; M.S. Oregon, 59, Ph.D. (psychol), 63. Instr. PSYCHOL, Oregon, 61-63; ASST. PROF, Denver, 63-66; WASHINGTON STATE, 66- Summers, consult, Peace Corps, Univ. Denver, 65, assessment officer, Hawaii, 66. Consult, Denver Gen. Hosp, Colo, 63; Job Corps Training Prog, Idaho, 66-; Whitman County Ment. Health Center, Wash, 68- U.S.A.F., 51-55, S/Sgt. Psychol. Asn. Programmed learning methods of psychotherapy training; assessment of marital conflicts and therapy methods of resolution of marital conflicts. Publ: Co-auth, Quasi-programmed instruction in psychotherapy, Res. Bull, Wash. State Div. Ment. Health, 2/63; An analysis of social reinforcement of infant babbling, Child Develop, 8/68. Address: Dept. of Psychology, Washington State University, Pullman, Wash. 99163.

PALMER, DR. (GLENN) DEAN, b. Ada, Okla, Nov. 27, 33; m. 56; c. 4. **MAR- KETING, EDUCATION**. B.A. Colo. State Col, 58, M.A. 59; Ed.D. Montana State, 67. Teacher-coordinator, high sch, Mont, 58-60; asst. prof. distributive ed, North. Mont. Col, 60-63; state supvr, Mont. Dept. Pub. Instr, 60-64; asst. prof. COMMERCE, MONTANA STATE, 63-67, ASSOC. PROF, 67- U.S.A. 53-55. Attitudes of educational personnel towards various vocational education programs. Publ: Opinions of Montana educational personnel concerning the distributive education program, Montana State Univ, 67. Address: 1621 S. Willson, Bozeman, Mont. 59715.

PALMER, PROF. EDGAR Z(AVITZ), b. Chester, Pa, Apr. 10, 98; m. 24; c. 3. **STATISTICS**. A.B. Swarthmore Col, 19; Ph.D. Wisconsin, 28. Instr. soc. sci. Ogden Col, 20-23; prof. econ. col. commerce, Kentucky, 27-45; res. assoc, sch. commerce, Wisconsin, 45-46; prof. statist. & dir. bur. bus. res, NEBRASKA, 46-63, EMER. PROF. STATIST, 63- Prof, Atatürk Univ, Turkey, 63-65; dir. econ. res, Robert Col, Istanbul, 65-66. National income measurement; community economics; methods of economic research. Publ: The meaning and measurement of the national income, Univ. Nebraska; Agriculture in Turkey, U.S. Dept. Agr; Estimating the number of business establishments in Nebraska, Univ. Nebraska Bus. Res. Bull. Address: 2415 Winthrop Rd, Lincoln, Nebr. 68502.

PALMER, DR. FRANCIS H(ENRY), b. New York, N.Y., Apr. 12, 20; m. 41; c. 3. **PSYCHOLOGY**. M.S. Pittsburgh, 47, Ph.D. (psychol), 50. Asst. prof, Allegheny Col, 48-50; sr. res. scientist, HumRRO, 52-55, dir. res, 55-58; res. psychologist, California, 58-60; mem. staff, Soc. Sci. Res. Coun, 60-63; v.pres. Ed. & World Affairs, 63-64; PROF. PSYCHOL. & DIR. INST. CHILD DEVELOP. & EXP. ED, CITY UNIV. NEW YORK, 64- U.S.A. 41-45, 51-52, Capt. Psychol. Asn. Comparative and developmental behavior; behavior under stress; socialization processes; language and concept development; birth to six years of age. Address: 205 West End Ave, Apt. 22C, New York, N.Y. 10023.

PALMER, DR. GEORGE J(OSEPH), JR., b. New Orleans, La, Nov. 27, 29; m. 52; c. 2. **INDUSTRIAL PSYCHOLOGY**. B.B.A. Tulane, 52; M.A. La. State, 56; fel. Purdue, 56-58, Ph.D. 58. Asst. psychol, La. State, 55-56; indust. psychol, Purdue, 56-58; asst. prof. Tulane, 58-61, prin. investr, U.S. Off. Naval Res. Projs, 59-61; vis. prof. indust. psychol, La. State, 61-62; prog. dir, inst. behav. res, Texas Christian, 62-64; RES. SCIENTIST,

Human Sci. Res. Inc, Va, 64-66; CENTURY RES. CORP, ARLINGTON, 66-Consult, Gulf States Utilities, 62; Life Sci. Inc, Tex, 63-64; Ling-Temco-Vought, Inc, 64; Nat. Hwy. Safety Bur, 67. Mem, Int. Union Sci. Psychol; Orgn. Res. Conf. U.S.N, 52-54, Lt.(jg). AAAS; Psychol. Asn; Psychomet. Soc; Statist. Asn. Conditions and behavior in real life organizations; consensus and decision making processes in business gaming and problem situations; interpersonal relationships, similarity and assortative association processes in groups. Publ: Incentive conditions and behavior in 188 industrial manufacturing organizations; co-auth, Factor analysis of job activities, J. Appl. Psychol; Behavioral factors in disaster situations, J. Soc. Psychol, 65. Address: 11205 Belmont Dr, Fairfax, Va. 22030.

PALMER, DR. GLADYS L(OUISE), Indust. Rels, see 10th ed, Soc. & Behav. Vols.

PALMER, DR. HAROLD J(EROME), b. Ford City, Pa, Nov. 20, 02; m. 24; c. 5. PSYCHOLOGY. A.B, Cornell, 24, Ph.D.(psychol), 46. Ins. broker, 28-41; instr. psychol, Cornell, 41-42, personnel admin, 42-43, instr. rural ed. & chmn. bur. ed. serv, 43-45, counsr, vet. guid. center, 45-47, asst. dir, 47-48, dir, 48-53; CHIEF VOC. COUNSELING SERV, VET. ADMIN, 53- Lectr, Ithaca Col, 46-52. Dipl, Am. Bd. Exam. Prfnl. Psychol. AAAS; fel. Psychol. Asn; Personnel & Guid. Asn. Gerontological psychology; vocational rehabilitation; effects of sheltered care on rehabilitation potentials. Address: 673 W. Lake Rd, Hammondsport, N.Y. 14840.

PALMER, DR. JAMES O, b. Zionsville, Ind, Apr. 2, 18; m. 40; c. 1. CLINICAL PSYCHOLOGY. A.B, California, 40, Ph.D.(clin. psychol), 49. Instr. med. psychol. & staff psychologist, sch. med, Washington (St. Louis), 49-53; clin. psychologist, Sonoma State Hosp, Eldridge, Calif, 53-57; ASST. PROF. MED. PSYCHOL, SCH. MED, CALIFORNIA, LOS ANGELES, 57- Lectr, Santa Rosa Community Serv. Prog, Santa Rosa Jr. Col, 54-56. Clin. psychologist, St. Louis Neuropsychiat. Inst, Mo, 51-53. Consult, Homer G. Phillips Hosp, St. Louis, Mo, 49-53; St. Louis Bur. Blind, 52-53; Calif. Rehab. Center, Vallejo, 54-57; Nat. Charities League Children's Clin, 61- Dipl, Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn. Personality dynamics; psychopathology of childhood and adolescence; group psychotherapy. Publ: A dual approach to Rorschach validation, Psychol. Monogr; Rorschach's experience balance, J. Proj. Tech; Behavior correlates of the 14/6 per second EEG pattern, Arch. Psychiat. Address: University of California Medical Center, Los Angeles, Calif. 90024.

PALMER, DR. JOHN DAVID, b. Des Moines, Iowa, Jan. 25, 36; m. 65; c. 1. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.S, Northwestern, 58; Ph.D.(polit. sci), Texas, 65. Asst. Am. govt, Texas, 62-65; asst. prof. polit. sci. & res. assoc. state & local probs, bur. govt. res. serv, South Carolina, 65-68; ASSOC. PROF. POLIT. SCI, GA. STATE COL, 68- Consult, Econ. Opportunity Bd, Inc, S.C, summer 67. U.S.N, 58-61, Lt. Comdr. Soc. Pub. Admin; Polit. Sci. Asn; Nat. Munic. League; Acad. Polit. Sci; Mgt. Asn; Pub. Personnel Asn. American government; the Presidency; executive-legislative relations; Congress; intergovernmental relations; public personnel administration; state legislatures; governors; personality profiles of federal and state executives in South Carolina. Publ: A call for a tribune of the people, Gen. Polit. Quart, fall 67. Address: Dept. of Political Science, Georgia State College, 33 Gilmer St. S.E., Atlanta, Ga. 30303.

PALMER, DR. MARTHA ELLEN, b. New Haven, Conn, Apr. 17, 38. GEOGRAPHY. B.S, Cent. Conn. State Col, 60; Carnegie fel. & M.A., George Peabody Col, 61; Ph.D.(geog), Mich. State, 67. ASST. PROF. GEOG, GEORGE PEABODY COL, 66- Address: Dept. of Geography, George Peabody College for Teachers, Nashville, Tenn. 37203.

PALMER, PROF. NEIL M(EREDITH), b. Austin, Minn, Dec. 20, 25; m. c. 3. SOCIOLOGY. B.S, Texas, 46, B.A., 47, M.A., 49; Ph.D.(sociol), Iowa, 54. From asst. prof. to PROF. SOCIOL, SOUTH DAKOTA, 54-, acting chmn. dept, 54-64, head dept, 64-65, dir. soc. res. center, 63. U.S.N.R, 43-46, Lt.(jg). Sociol. Asn. Community; research methods; theory. Publ: An approach to the ecology of the lower Rio Grande Valley; Relation of selected variables to the use of membership groups as reference groups; The Sioux Indian goes to college. Address: Dept. of Sociology, University of South Dakota, Vermillion, S.Dak. 57069.

PALMER, PROF. NORMAN D(UNBAR), b. Hinckley, Maine, June 25, 09; m. 44; c. 1. POLITICAL SCIENCE. A.B, Colby Col, 30, L.H.D., 55; A.M., Yale, 32, Ph.D., 36. From instr. to assoc. prof. hist. & govt, Colby Col, 33-47, chmn. dept, 46-47; assoc. prof. POLIT. SCI, PENNSYLVANIA, 47-51, PROF, 51-, chmn. dept, 49-52, int. rels. grad. prog, 59-66. Vis. Fulbright prof, Univ. Delhi, 52-53; res. fel. Coun. For. Rels, 61-62; sr. faculty fel, Am. Inst. Indian Studies, 66-67; sr. specialist, inst. adv. projs, East-West Center, Honolulu, 66 & 67. Mem, For. Policy Asn-World Affairs Coun; pres, Nat. Coun. Asian Affairs, 55-; chmn, Friends of India Cmt, 61-; mem. int. cmt, Col. Entrance Exam. Bd, 65- U.S.N, 42-46, Lt. Comdr. Acad. Polit. & Soc. Sci.(secy); Am. Polit. Sci. Asn; Hist. Asn; Am. Soc. Int. Law; Asn. Asian Studies; Soc. Pub. Admin; Indian Polit. Sci. Asn; Int. Polit. Sci. Asn; Int. Peace Res. Asn. International politics; American foreign relations and diplomacy; Asian government, politics and international relations. Publ: Co-auth, International relations: the world community in transition, 53, 2nd ed, 57, 3rd ed, 69, auth, The Indian political system, 61 & South Asia and United States policy, 66, Houghton. Address: 1110 Signal Hill Lane, Berwyn, Pa. 19312.

PALMER, PROF. STUART (HUNTER), b. New York, N.Y., Apr. 29, 24; m. 46. SOCIOLOGY. B.A, Yale, 49, M.A., 51, Page fel, 53-55, Ph.D., 55. Instr, New Haven Col, 49-51, 53-55; from instr. to assoc. prof. SOCIOL, NEW HAMPSHIRE, 55-64, PROF. & CHMN. DEPT, 64- Asst. to dean, Yale Col, 49-51. Consult, U.S. Off. Juvenile Delinquency & Youth Develop, 65; U.S. Pub. Health Serv, 65; U.S. Dept. Justice, 67. U.S.A., 42-45; U.S.A.F., 51-53. Sociol. Asn. Deviance; social control; analysis of aggressive behavior in fifty-eight non-literate societies. Publ: Understanding other people; A study of murder; co-auth, Challenge of supervision. Address: Riverview Rd, Durham, N.H. 03824.

PALMER, PROF. WALTER S(TANLEY), JR, b. Reno, Nev, June 14, 15. BUSINESS ADMINISTRATION. A.B, Nevada, 37; M.B.A., Stanford, 41, Ph.D.(bus. admin), 54. Instr. econ. & bus. admin, Nevada, 46-49, assoc. prof. & chmn. dept, 54-55; acting asst. prof, grad. sch. bus, Stanford, 52-54; assoc. prof. finance & acct, Washington (Seattle), 55-60; assoc. prof. bus. admin, NEVADA, 60-61, PROF. ACCT, 62- U.S.N.R, 42-46, Lt. Econ. Asn; Acct. Asn; Finance Asn. Accounting; finance. Publ: Uniform accounting systems. Address: College of Business Administration, University of Nevada, Reno, Nev. 89507.

PALMERTON, DR. L(EIGHTON) R, b. Clinton Falls, Minn, Apr. 17, 04; m. 26; c. 2. PSYCHOLOGY. B.S, Gen. Beadle State Col, 25; M.A., Minnesota, 32; fel. & Ed.D., Colorado, 54. Ed. dep, State Dept. Fish & Game, S.Dak, 26-27; teacher, high sch, S.Dak, 27-35; PROF. PSYCHOL. & DEAN STUDENTS, S.DAK. SCH. MINES & TECH, 35- Psychol. Asn; Personnel & Guid. Asn. Guidance and counseling; personnel management. Address: Route 1, Box 111C, Rapid City, S.Dak. 57701.

PALMORE, DR. ERDMAN B, b. Tokuyama, Japan, June 3, 30; U.S. citizen; m. 52; c. 2. SOCIOLOGY. B.A, Duke, 52; Danforth fel, 52-59; M.A., Chicago, 54; Ph.D.(sociol), Columbia, 59. Asst. sociol, bur. appl. soc. res, Columbia, 58-59; chmn. dept, Finch Col, 58-60; asst. prof, Yale, 60-63; chief disability & family studies br, Soc. Security Admin, 63-67; ASSOC. PROF. SOCIOL, DUKE, 67- Lectr, George Washington, 63-64; Maryland, 64-67. U.S.A, 54-56. Sociol. Asn; Geront. Soc. Juvenile delinquency; race relations; sociological theory; social deviance; sociology of religion; medical sociology; social gerontology. Publ: Co-auth, Anatomy of psychotherapy, Columbia, 64; Widows with children under social security, Soc. Security Admin, 66; auth, Differences in retirement patterns, Gerontologist, 65. Address: 1400 Welcome Circle, Durham, N.C. 27705.

PALMORE, DR. JAMES ANDREW, JR, b. Birmingham, Ala, Feb. 5, 40; m. 58; c. 1. DEMOGRAPHY. A.B, Antioch Col, 62; A.M., Chicago, 64, Pop. Coun. fel, 64-65, Ph.D.(sociol), 66. Instr. SOCIOL, Chicago, 64-65; ASST. PROF. MICHIGAN, 65- Sr. demogr. adv, Nat. Family Planning Bd, Malaysia, 66-67. AAAS; Sociol. Asn; Pop. Asn. Am; Statist. Asn; Int. Union Sci. Study Pop. Statistical methods in sociology; personal influence. Publ: Co-auth, Some empirical and analytic relations among demographic fertility measures, with regression models for fertility estimation, Demography, Vol. 1, No. 1; auth, The Chicago snowball: a study of the flow of influence and the diffusion of family planning information, In: Sociological contributions to family planning research, Community & Family Study Center, Univ. Chicago, 67. Address: 308 W. Keech St, Ann Arbor, Mich. 48103.

PALOLA, DR. ERNEST G(EOGE), b. Seattle, Wash, May 16, 34; m. 56; c. 2. SOCIOLOGY. B.S, Washington (Seattle), 56, M.S., 58, Ph.D.(sociol), 62. Res. instr. sociol, sch. med, Washington (Seattle), 60-63; asst. prof. sociol. & dir. instnl. res, Nevada, 63-65; assoc. prof. sociol. & dir. instnl. planning, State Univ. N.Y. Col. Cortland, 65-66; RES. SOCIOLOGIST, CENTER RES. & DEVELOP. HIGHER ED, CALIFORNIA, BERKELEY, 66- Consult, nursing home div, State Health Dept, Wash, 61-62; Nev. State Planning Bd, 64-65. Sociol. Asn; World Future Soc; Asn. Instnl. Res. Role strains in hospital and simulated laboratory organizations; alcoholism and suicide; coordinated state systems for hospital care; statewide coordination and long-range planning in higher education. Publ: Co-auth, Alcoholism and suicidal behavior, In: Society, culture and drinking patterns, Wiley, 62 & The miniature replica model and its use in laboratory experiments of complex organizations, Soc. Forces, 5/64; auth, Organizational types and role strains: a laboratory study of complex organization, Sociol. & Soc. Res, 1/67. Address: 1947 Center St, Berkeley, Calif. 94720.

PALOMBA, DR. NEIL A(NTHONY), b. Brooklyn, N.Y., Dec. 30, 41; m. 65. ECONOMICS. B.B.A, City Col. New York, 63; Ford Found. fel, Minnesota, 63-64, Nat. Sci. Found. fel, 64-66, Ph.D.(econ), 66. ASST. PROF. ECON, IOWA STATE, 66- Consult, Iowa Manpower Develop. Coun, 67. Indust. Rels. Res. Asn; Econ. Asn. Manpower economics; collective bargaining. Publ: Experience rating: 30 year controversy, Labor Law J, 1/68; Unemployment compensation program: stabilizing or destabilizing, J. Polit. Econ, 2/68; co-auth, On the shifting of the military draft as a progressive tax-in-kind, West. Econ. J, 3/68. Address: Dept. of Economics, 103 East Hall, Iowa State University, Ames, Iowa 50010.

PALTIEL, DR. KHAYYAM ZEV, b. Montreal, Que, Mar. 16, 22; m. 49; c. 4. POLITICAL SCIENCE. B.A, McGill, 43, Bronfman fel, 46-48; M.A., Toronto, 44; Klausner fel, Hebrew Univ, Jerusalem, 58-60, Ph.D.(polit. sci), 64. Prod. asst, Nat. Film Bd, Can, 44-45; res. asst. econ, Royal Cmn. Coal, Ottawa, 45; Am. Econ. Cmt. Palestine, N.Y., 45-46; spec. lectr. econ. & polit. sci, McGill, 46-48, comp. govt, Sir George Williams Col, 48; pub. rels. dir, west. div, Can. Jewish Cong, 50-53, exec. dir, Jewish Community Coun, 53-58; external teacher, Paul Baerwald Sch. Soc. Work, Hebrew Univ, Jerusalem, 60-61; asst. prof. POLIT. SCI, CARLETON (CAN), 63-65, assoc. prof, 65-68, PROF, 68- Lectr, Civil Serv. Cmn, Can, 63-66; res. dir. & acting secy, adv. cmt. election expenses, Dept. of Secy. State, Govt. Can, 65-67. Dir, Aid to Israel Cmt, Zionist Orgn. Can, 48; dep. chief brief analyst, Royal Cmn. Bilingualism & Biculturalism, 64-65. Am. Polit. Sci. Asn; Can. Polit. Sci. Asn; Int. Polit. Sci. Asn. Party finance; control of election expenses; Canadian and Israeli government; politics and party systems, nationalism. Publ: Ed. & co-auth, Report of the Committee on Election Expenses, 66 & Studies in Canadian party finance, 66-67, Queen's Printer, Can; auth, The proposed reform of Canadian election finance: a study and critique, In: Jahrbuch des Öffentlichen Rechts der Gegenwart, Tübingen, 67. Address: Dept. of Political Science, Carleton University, Colonel By Dr, Ottawa 1, Ont. Can.

PALUBINSKAS, PROF. ALICE L(UCILLE), b. Lawrence, Mass, Jan. 5, 23; m. 46; c. 1. PSYCHOLOGY. B.S, Salem Teachers Col, 45; M.A., Harvard, 46; Ph.D., Iowa State Col, 52. Instr, Salem Teachers Col, 47; Iowa State Col, 48-51, asst. prof, 51-52; PSYCHOL, TUFTS, 52-58, ASSOC. PROF, 58- AAAS; Psychol. Asn. Tests and measurements; general psychology; statistics and research design. Address: 4 Winslow Rd, Winchester, Mass. 01890.

- PALUBINSKAS, DR. FELIKSAS, b. Lithuania, Mar. 15, 35; U.S. citizen; m.61; c. 4. MARKETING, ECONOMICS. B.Sc. DePaul, 57, M.B.A. 59; Ph.D. (bus), Illinois, 64. Mgr. Felix Foods, 57; researcher orgn & procedures, Autoquip Corp, 57; cost analyst, Acme Steel Co, 57-58; asst. prof. MKT, Idaho State, 63-65; ASSOC. PROF. CALIF. STATE COL, LONG BEACH, 65- Mkt. Asn; Econ. Asn. Marketing in Soviet Russia; international business; senior citizens' market; interrelationship of product and container personality. Publ: Baznycios paztura ekonomijon, Draugas, 66; The growing importance of marketing in Soviet Russia, West. Econ. J, 65. Address: Dept. of Marketing, California State College at Long Beach, Long Beach, Calif. 90801.
- PALUMBO, DR. DENNIS J(AMES), b. Chicago, Ill, Nov. 18, 29; m. 54; c. 3. POLITICAL SCIENCE. M.A. Chicago, 58 & 59, Ph.D. 60. Res. assoc. Coun. State Govts, 60; instr. soc. sci. Mich. State, 60-62; asst. prof. govt, Hawaii, 62-63; POLIT. SCI. Pennsylvania, 63-66; ASSOC. PROF. BROOKLYN COL, 63- U.S. Pub. Health Serv. res. grant, 66-68. U.S.A.F., 51-54. Polit. Sci. Asn. Federalism and the conduct of American foreign relations. Publ: Statistics in political science, Appleton, 68; Segmentation of power in American government; co-auth. Predictors of public policy: the case of local public health, Urban Affairs Quart, 6/67. Address: Dept. of Political Science, Brooklyn College, Bedford Ave. & Avenue H, Brooklyn, N.Y. 11210.
- PALYI, DR. MELCHIOR, b. Budapest, Hungary, Mar. 14, 92. ECONOMICS. A.B. Budapest, 09; M.Comm. Munich, 12, Polit.Sci.D. 15; hon. Dr. Cologne, 62. Rep. Austro-Hungary Nat. Bank & Hungarian Ministry Agr, 17; prof. bus. schs. & univs. Munich, Gottingen, Kiel & Berlin, 18-33; vis. prof. & res. economist, Chicago, 26-27, 34-37; economist, Stifel, Nicolaus & Co. Mo. & Ill, 37-40; CONSULT. ECONOMIST, 40- Chief economist, Deuts. Bank, Berlin, 28-33; managing dir. Currency Res. Inst, Berlin & adv. Reichsbank, 31-33; guest economist, Midland Bank, London, 33; lectr. Univ. Col. Oxford, 33; Wisconsin, 35; Northwestern, 40; vis. prof. Wisconsin, 41. Chief ed, Mone-tart Econ, 31-33. Econ. Asn. Economic situation of Germany; open-market policy and totalitarian control; compulsory medical care and the welfare state. Publ: The dollar dilemma: perpetual aid to Europe?; Managed money at the crossroads: the European experience; An inflation primer. Address: 211 W. Wacker Dr, Chicago, Ill. 60606.
- PAN, DR. FRANCIS (WEI-TUNG), b. China, Feb. 23, 17; m. 45; c. 2. INTERNATIONAL LAW & RELATIONS. B.A. Kuomin Univ, China, 36; dipl. Meiji Univ, Japan, 37; M.A. Boston Col, 40; Ph.D. (int. rels), Catholic Univ, 44; LL.B. N.Y. Law Sch, 59. Instr. sch. for. serv. Georgetown, 44-45; analyst, Off. Strategic Serv, 45; prof. int. law & rels, constitutional hist, geo-polit. & Eng. Sun Yat-sen Mem. Univ, China, Kwangtung Col. Law & Commerce, Kuo-min Univ. & Canton Univ, 48-49; instr. Eng. La Salle Col, Hong Kong, 49-55; prof. int. rels, Marywood Col, 55-59; ATTORNEY-AT-LAW, NEW YORK, 59- Adv. Kwangtung Prov. Govt, China, 48-49. Managing ed, The Authority, Canton, China, 48-49. Polit. Sci. Asn; Am. Soc. Int. Law. Constitutional law. Publ: The Chinese constitution. Address: 605 Water St, New York, N.Y. 10002.
- PAN, PROF. JU SHU, Sociol, Soc. Psychol, see 10th ed, Soc. & Behav. Vols, deceased 64.
- PAN, DR. STEPHEN CHAO-YING, b. China, May 30, 12; m. 42; c. 1. INTERNATIONAL RELATIONS. B.A. Fu Jen Cath. Univ, Peiping, 33; fel. & M.A. Catholic Univ, 35, Ph.D. (int. law & rels), 38; fel. Georgetown, 35-38; LL.D. Rome, 45; Columbia, 57-59. Lectr. int. rels, Providence Col, 38-39; managing ed, China Monthly, New York, 39-41; prof. polit. Catholic Univ, 43-45; int. rels, sch. for. serv. Georgetown, 43-45; dir. & prof. Far East. studies, Seton Hall, 52-56; dean human affairs, Univ. Seven Seas, 63-65; DIR. E.ASIAN AFFAIRS, INST. E.ASIAN RES, 65- Soc. Int. Law; Chinese Soc. Polit. & Soc. Sci. Vietnam war; Communist Chinese problems; Communist China's foreign policy; China's Red Army. Publ: Vietnam crisis, E.ASIAN Res. Inst, 66 & 67; Voice of Peking, 67 & Peking's Red Guards, 68, Twin Circle Pub. Co. Address: 924 West End Ave, New York, N.Y. 10025.
- PANCERZ, DR. HELEN K(AROLYN), b. Chicago, Ill, Mar. 4, 17. CLINICAL PSYCHOLOGY. B.S. Alabama, 39; M.A. Loyola (Ill), 50, Ph.D. (clin. psychol), 59. Dir. phys. ed, Webster Col, 39-41; asst. psychologist, GUID. CENTER, LOYOLA (ILL), 45-50, PSYCHOLOGIST, 50- Psychol. Asn. Personality problems of childhood and adolescence; projective techniques as diagnostic instruments applied to children's problems. Address: 777 N. Michigan Ave, Chicago, Ill. 60611.
- PANCOAST, PROF. ELINOR, b. Ottawa, Kans, May 21, 93. ECONOMICS. Ph.B. Chicago, 17, A.M. 22, Ph.D. 27; Bryn Mawr Col, 18-19. Instr. ECON, GOUCHER COL, 24-25, asst. prof. 25-29, assoc. prof. 29-32, prof. 32-60, EMER. PROF, 60- Past chmn. dept. soc. sci. analyst, U.S. Bur. Old Age & Survivors Ins, 43-46; field dir, Coun. Econ. Ed, Md, 62- Consult, Off. Price Admin, 42-43; Md. State Cmn. on Aging, 59-67. Econ. Asn; Econ. Hist. Asn. Consumer economics; labor market; economic history. Publ: The incorrigible idealist: Robert Dale Owen in America; Report of study of desegregation in Baltimore City schools. Address: Dept. of Economics, Goucher College, Baltimore, Md. 21204.
- PANCOAST, DR. OMAR B(ORTON), JR, b. Baltimore, Md. Feb. 15, 10; m. 39; c. 4. ECONOMICS, GEOGRAPHY. B.S. Hopkins, 32; fel. Columbia, 39-41, Ph.D. 41. From instr. to asst. prof. econ. & sociol, Haverford Col, 41-44; from economist to acting chief food & agr. U.S. Mil. Govt, Germany, 45-51; assoc. prof. econ. City Col. New York, 51-52; INT. ECONOMIST, U.S. GOVT, 53- Vis. asst. prof. Swarthmore Col, 42-44; dir. prog. planning, Tech. Coop. Admin, 51-53. Consult, J.C. Winston Co, Pa. 42-44. Econ. Asn; Acad. Polit. Sci. International economics; international resource planning; development of underdeveloped countries. Publ: Occupational mobility, democratic efficiency through the use of human resources; Malthus versus Ricardo, Polit. Sci. Quart; Point IV concept, Bull. Atomic Scientists. Address: Blackrock Rd, R.F.D. 2, Germantown, Md. 20767.
- PANICKAVEDE, REV. PAUL LOUIS, Econ. Bus. Admin, see 10th ed, Soc. & Behav. Vols.
- PANKRATZ, DR. DAVID S(CHULTZ), Anat, see 11th ed, Phys. & Biol. Vols.
- PANOS, DR. ROBERT J(OHN), b. Chicago, Ill, Dec. 31, 36; m. 58; c. 3. PSYCHOLOGY. B.A. Chicago, 62, M.A. 64, Ph.D. (psychol), 66. RES. ASSOC, AM. COUN. ED, 65- AAAS; Ed. Res. Asn; Psychol. Asn. Effects of institutional and social environments on student growth and development in higher education. Publ: Co-auth, A national research data bank for higher education, Ed. Record, 66, National norms for entering college freshmen—fall 1967, Am. Coun. Ed, 67 & Attrition among college students, Am. Ed. Res. J, 68. Address: American Council on Education, 1785 Massachusetts Ave. N.W., Washington, D.C. 20036.
- PANUNZIO, PROF. CONSTANTINE, Sociol, see 10th ed, Soc. & Behav. Vols.
- PAOLINO, DR. ALBERT F, b. Kearny, N.J, Dec. 14, 21; m. 57; c. 3. CLINICAL PSYCHOLOGY. B.S. Rutgers, 47; Ph.D. (clin. psychol), Western Reserve, 56. Chief psychologist, Cleveland Boys Sch, 50-51; Summit County Receiving Hosp, 51-56; sr. psychologist, Cleveland Psychiat. Inst. & Hosp, 56-63; res. psychologist, Brecksville Vet. Admin. Hosp, 63-65; RES. ASSOC. PSYCHOSOCIAL RES, CLEVELAND PSYCHIAT. INST, 65- Lectr. John Carroll, 55-57; Western Reserve, 56-57. Dipl. Am. Bd. Exam. Prfnl. Psychol, 61- U.S.A.A.F., 42-46, Sgt. AAAS; Psychol. Asn. Contents of dream series; social psychology of psychiatric hospital; epidemiology of mental disorder; tests of higher thought processes. Address: 3154 Monticello Blvd, Cleveland Heights, Ohio 44118.
- PAOLINO! DR. RONALD M, b. Providence, R.I, Mar. 15, 38; m. 60; c. 1. PSYCHOLOGY, PHARMACOLOGY. B.S. Rhode Island, 59; M.S. Purdue, 61, Ph.D. (pharmacol), 63. Nat. Inst. Ment. Health fel. psychol, Yale, 63-65; asst. prof. PHARMACOL, Connecticut, 65-67; ASSOC. PROF, PURDUE, 67- Nat. Inst. Ment. Health res. grant, 65-66; Res. Found. grant, Connecticut, 66-68, Univ. faculty summer fel, 67. Psychol. Asn. Physical and chemical bases of learning and memory. Address: Dept. of Pharmacology, Purdue University, Lafayette, Ind. 47907.
- PAONE, DR. FRANCIS XAVIER, b. New York, N.Y, Dec. 19, 19; m. 40; c. 3. SOCIAL & INDUSTRIAL PSYCHOLOGY. A.B. Fordham, 42; M.A. Loyola (Ill), 54, Ph.D. 60. Asst. dir. mkt. res, Pabst Brewing Co, 56-58; dir. mkt. res, Wilson & Co, 58-63; dir. mgt. sci. center, St. Louis Univ, 64-65; CORP. DIR. MKT. RES, ANHEUSER-BUSCH, INC, ST. LOUIS, 65- Assoc. dir. soc. res, Loyola (Ill), 54-60, lectr. 59-63; prof. lectr. St. Louis Univ, 68- U.S.A.F. 42-46, Res, 51-52, Capt. AAAS; Acad. Polit. & Soc. Sci; Mkt. Asn; Psychol. Asn; Inst. Mgt. Sci. Attitudes among employees, especially allegiances of professional workers. Publ: Collab, Blue collar man. Address: 1227 DuBois Court, Kirkwood, Mo. 63122.
- PAONE, DR. ROCCO MICHAEL, U.S. Diplomatic Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- PAPAGEORGIS, DR. DEMETRIOS, b. Athens, Greece, Apr. 13, 36; U.S. citizen; m. 56; c. 1. PSYCHOLOGY. A.B. Hamilton Col, 57; U.S. Pub. Health Serv. fel. Illinois, 59-61, M.A. 60, Ph.D. (psychol), 62. Instr. PSYCHOL, Illinois, 62; asst. prof. Texas, 62-66; ASSOC. PROF, BRITISH COLUMBIA, 66- Hogg Found. Ment. Health res. grant, 62-64, summer fel, 64; Pres. Res. Cmt. res. grant, British Columbia, 67-68; Can. Coun. res. grant, 68-69. Consult, U.S. Vet. Admin, 62-66; dept. pediat, British Columbia, 66- Immunization to persuasive communications; changes in self-perception; warning and attitude change; psychopathology. Publ: Co-auth, The generality of immunity to persuasion produced by pre-exposure to weakened counterarguments, 5/61 & auth. Bartlett effect and the persistence of induced opinion change, 7/63, J. Abnorm. & Soc. Psychol; auth. Anticipation of exposure to persuasive messages and belief change, J. Personality & Soc. Psychol, 4/67. Address: Dept. of Psychology, University of British Columbia, Vancouver 8, B.C., Can.
- PAPANDREOU, PROF. ANDREAS G(GEORGE), Econ, see 10th ed, Soc. & Behav. Vols.
- PAPANEK, DR. GUSTAV F(RITZ), b. Vienna, Austria, July 12, 26; nat; m; c. 2. ECONOMICS. B.S. Cornell, 47; M.A. & Ph.D. Harvard, 51. Agr. economist, bur. agr. econ, U.S. Dept. Agr, 51; dep. chief prog. planning, tech. coop. admin, U.S. Dept. State, 51-53; taxation & develop. consult, law sch, HARVARD, 53-54, econ. adv. adv. group to Pakistan Planning Cmm, 54-57, proj. field supvr, 57-58, LECTR. ECON, UNIV, 58-, DIR. DEVELOP. ADV. SERV, CENTER INT. AFFAIRS, 66-, dep. dir, 58-66. Consult, spec. fund, UN, 61; Agency Int. Develop, 62- U.S.A. 44-46, Sgt. Am. Econ. Asn; Agr. Econ. Asn; Asn. Asian Studies; Pakistan Econ. Asn; Soc. Int. Develop. Economic development; development policy. Publ: Pakistan's development—social goals and private incentives, 10/67 & ed, Development policy—theory and practice, 1/68, Harvard Univ; auth, Framing a development policy, Int. Conciliation, 3/60. Address: 2 Mason St, Lexington, Mass. 02173.
- PAPANEK, DR. HANNA, b. Berlin, Germany, Jan. 24, 27; U.S. citizen; m. 47; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A. Brooklyn Col, 48; M.A. Radcliffe Col, 51, Ph.D. (soc. psychol), 62. Res. assoc. SOCIOL, Brandeis, 62-63; assoc. scholar, Radcliffe Inst, 63-64; RES. ASSOC, CENTER INT. AFFAIRS, HARVARD, 64- Res. assoc. lab. soc. rels, Harvard, 62-63. Fel. Sociol. Asn; Anthropol. Asn; Soc. Psychol. Study Soc. Issues; fel. Soc. Appl. Anthropol; Asn. Asian Studies. Social change and economic development, especially Pakistan & India; industrial entrepreneurship in developing countries; multiracial societies; Islamism; minority sects in Islam; education; student movements; American colleges. Publ: The woman field worker in a Purdah society, Human Orgn, summer 64; Bases sociales du développement économique au Pakistan, Congo-Afrique, 1/67. Address: 2 Mason St, Lexington, Mass. 02173.
- PAPANEK, DR. MIRIAM L(EWIN), b. Berlin, Germany, Apr. 22, 31; nat; m. 53; c. 3. SOCIOLOGY, PSYCHOLOGY. B.A. Swarthmore Col, 52; M.A. Radcliffe Col, 54, Ph.D. 57; fel. Harvard, 54-57. Asst. soc. rels, Harvard, 54-57; res. assoc. center sociopsychol. res, Harvard Med. Sch, 57-59; lectr. soc. psychol, N.Y. Univ, 60-61; res. psychologist, Fieldston Sch, 61-62; res. supvr, Ed. Testing Serv, 65-68; MEM. FACULTY DEPT. PSYCHOL, SARAH LAWRENCE COL, 68- Psychol. Asn; Sociol. Asn. Social psychology; child development; medical sociology. Publ: Co-auth, Breadth of

learning, *Psychol. Rev.*; Authority and sex roles in the family, *J. Marriage & the Family*, 1/69. Address: 5550 Fieldston Rd, Riverdale, N.Y. 10471.

PAPANIA, DR. NED, *Psychol.*, see 10th ed, *Soc. & Behav. Vols.*

PAPERA, PROF. D. ROBERT, b. Santa Rosa, Calif, Nov. 4, 27; m. 56; c. 2. **ECONOMICS.** B.A., Stanford, 49, M.A. 51, Ph.D.(econ. res), 58. Assoc. economist, Fed. Reserve Bank San Francisco, 56-58; admin. planning coordinator, Radio Corp. Am, 58-59; mkt. economist, West. Pac. R.R. Co, 59-60; PROF. FINANCE & CHMN. DEPT, SANTA CLARA, 61- Univ. Santa Clara Sch. Bus. consult, Fu Jen Univ, China, 65- Econ. Asn; Finance Asn; Nat. Asn. Bus. Econ; Asn. Asian Studies. Financial economics; international management education. Publ: Co-auth, The sale and financing of on-the-lot housing, *Land Econ.*, 11/64, Analysis of selected Regulation A issues, 1959-1961, *Quart. Rev. Econ. & Bus.*, autumn, 64 & Threats to the Swiss watch cartel, *West. Econ. J.*, 3/65. Address: School of Business, University of Santa Clara, Santa Clara, Calif. 95053.

PAPIER, ROSE LOCUM, b. St. Marys, Ohio, Nov. 29, 12; m. 37; c. 1. **PUBLIC ADMINISTRATION.** B.Sc., Ohio State, 40, M.A. 42; Capital Univ, 52-58. Occup. analyst, U.S. Employ. Serv, 44-45; asst. econ, Ohio State, 45; teacher, pub. schs, Ohio, 45-59; res. dir, Governor's Cmn. on Aging, 59-60; secy, Ohio Cmn. on Aging; Dept. of Pub. Welfare, 60-63; planning consult, OHIO STATE DEPT. MENT. HYG. & CORRECTION, 63-65, COORDINATOR, ADMIN. ON AGING, 65- Del, White House Conf. on Aging, 61. Employment security; aging. Publ: Ohio's senior citizens; co-auth, After unemployment benefits, what? auth, Unemployment compensation experience of beneficiaries in Columbus, Ohio, 1939-40. Address: 1023 S. Remington Rd, Columbus, Ohio 43209.

PAPIER, WILLIAM (BERNARD), b. Columbus, Ohio, Jan. 2, 19; m. 37; c. 1. **ECONOMICS.** B.Sc., Ohio State, 32, M.A. 33, scholar, 33-34. Asst. econ, Ohio State, 32-33; asst. statist. supvr, State Employ. Serv, Ohio, 34-36; DIR. DIV. RES. & STATIST, OHIO BUR. EMPLOY. SERV, 38- Instr. Ohio Sch. of the Air, 34-36. Consult, Ohio Cmn. Ed. beyond High Sch, 57-58. Secy, State Adv. Coun. Employ. Serv, 38-; coop. rep. for Ohio, U.S. Bur. Labor Statist, 48-; mem. Governor's Cmt. Ethics, 59. U.S.A.A.F. 43-45. Econ. Asn; Statist. Asn; Indust. Rels. Res. Asn. Unemployment compensation; employment security and the labor market. Publ: Co-auth, Financing unemployment compensation; auth, Guaranteed annual wage proposals, their implications for unemployment compensation, *Indust. & Labor Rels. Rev.*; Seasonal employment in Ohio canning and preserving establishments, 1926-36. Address: 1023 S. Remington Rd, Columbus, Ohio 43209.

PAPPAS, DR. GEORGE R, *Geog. Sociol.*, see 10th ed, *Soc. & Behav. Vols.*

PARADOWSKI, DR. WILLIAM, b. New York, N.Y., Jan. 6, 31; div. **PSYCHOLOGY.** B.A., City Col. New York, 57, fel, 57-58; U.S. Pub. Health Serv. stipend, Columbia, 62-63, Ph.D. (psychol), 64. Clin. psychologist trainee, Montrose Vet. Admin. Hosp, 58-59, Kingsbridge Vet. Admin. Hosp, 59-60, N.Y. Vet. Admin. Regional Off, 60-62; res. scientist, dept. med. genetics, Psychiat. Inst, 63-65; SUPVR. PSYCHOL, DEPT. REHAB. MED, GOLD-WATER MEM. HOSP, 65- Res. psychol., Bank St. Col, summer 62; lectr, eve. session, Queens Col.(N.Y.), 65- U.S.N. 51-55. AAAS; Psychol. Asn. Motivation, especially curiosity and exploratory behavior; psychopathology. Publ: Co-auth, Selection and schizophrenia, *Am. Naturalist*, 11/66; auth, Effect of curiosity on incidental learning, *J. Ed. Psychol.*, 2/67. Address: 415 E. 85th St. New York, N.Y. 10028.

PARCHER, PROF. L(ORIS) A(LVIN), b. Heartwell, Nebr, Dec. 27, 07. **LAND ECONOMICS.** B.S., Okla. Agr. & Mech. Col, 40, M.S., 49; Ph.D. Agr. & Mech. Col, Tex, 55. Asst. econ, OKLA. STATE, 40-43, from asst. prof. to assoc. prof. AGR. ECON, 46-64, PROF. 64- Dean, Imp. Ethiopian Col. Agr, 55-57, pres, 57-59. Ed, *Current Farm Econ. U.S.A.*, 43-46. Agr. Econ. Asn. Sub-surface land economics; farmland market; ad valorem taxation and assessments. Publ: Co-auth, Mineral rights management by private landowners, *Great Plains Agr. Coun. Bull.*, 13, 55. Address: Dept. of Agricultural Economics, Oklahoma State University, Stillwater, Okla. 74074.

PARDUCCI, PROF. ALLEN, b. Detroit, Mich, Dec. 25, 25; m. 49; c. 4. **PSYCHOLOGY.** B.A., Michigan, 49; Nat. Sci. Found. fel. & Ph.D. (psychol), California, 54. Instr. PSYCHOL, Oregon, 54-55; asst. prof. Swarthmore Col, 55-57; from asst. prof. to assoc. prof. CALIFORNIA, LOS ANGELES, 57-67, PROF. 67- U.S.N.R. 43-46. Psychol. Asn; Psychonomic Soc. Context effects in perceptual judgment. Publ: Range-frequency compromise in judgment, *Psychol. Monogr.*, Vol. 77, 565; Category judgment: a range-frequency model, *Psychol. Rev.*, 72: 407-418; Interference with memory for lifted weight, *Perception & Psychophys.*, 1: 83-86. Address: Dept. of Psychology, University of California, Los Angeles, Calif. 90024.

PARE, DR. WILLIAM P(AUL), b. Manchester, N.H., Aug. 25, 33. **EXPERIMENTAL PSYCHOLOGY.** B.S., Fordham, 55; M.S., Carnegie Inst. Tech, 57, Nat. Insts. Health fel, 58-59, Ph.D. (psychol), 59. Asst. prof. psychol, Boston Col, 59-64, assoc. prof, 64-65; DIR. PAVLOVIAN RES. LAB, VET. ADMIN. HOSP, 65- Psychol. Asn; Animal Behav. Soc; Pavlovian Soc. N.Am. Physiological correlates of learning and motivation; psychosomatic reactions; aging. Address: Pavlovian Research Lab, Veterans Administration, Perry Point, Md. 21902.

PARADES, PROF. AMERICO, *Latin Am. Folklore & Cultural Hist.*, see 5th ed, *Dir. Am. Scholars*, Vol. I, Hist.

PAREIS, DR. E. NELSON, b. Elizabeth, N.J., July 16, 23; m. 64; c. 2. **CLINICAL PSYCHOLOGY.** B.Sc., Rutgers, 48; Iowa, 48-49; Nebraska, 49-51; Ph.D.(clin. psychol), Texas, 58. Psychologist, Lincoln State Hosp, summers, 50-51; psychol. intern, Norwich State Hosp, 51-52; voc. counsr, Inst. of Living, 52-53; dir. counseling, Portland State Col, 59-62; assoc. prof. psychol, West. Wash. State Col, 63-64; Victoria, 64-66; CLIN. PSYCHOLOGIST & CONSULT, 66- Lectr. & chief psychologist, Texas, 58-59; fel. med. psychol, Oregon, 58-59. Psychol. consult, Brown Schs, 54. U.S.A.A.F. 43-45. AAAS; Psychol. Asn. Perceptual feedback in psychotherapy. Publ: Co-

auth, Verbal conditioning of two response classes: some methodological considerations, *J. Abnormal Soc. Psychol.*, 60 & A survey of counseling center practices in the United States. Address: 812 Cormorant St, Victoria, B.C., Can.

PARENTEAU, ROLAND, b. Montreal, Que, Dec. 13, 21; m. 47; c. 6. **ECONOMICS.** B.A., Montreal, 42; M.Com, 45; dipl, Paris, 49. Lectr, econ, Montreal, 45-50, asst. prof, 50-54, prof, 54-64; DIR. GEN. ECON. PLANNING, QUE. ECON. ADV. COUN, 64- Ed, *L'Actualité Economique*, 50-54. Mem. Que. Econ. Adv. Coun, 61-; bd. dirs, Que. Deposit & Investment Fund, 66- Royal Soc. Can. Regional and metropolitan public finance and economic planning. Address: Quebec Economic Advisory Council, Government of Quebec, Quebec, Que, Can.

PARENTI, DR. MICHAEL JOHN, b. New York, N.Y., Sept. 30, 33; m. 64. **POLITICAL SCIENCE, SOCIOLOGY.** B.A., City Col. New York, 55; M.A., Brown, 57; Ph.D.(polit. sci), Yale, 62. Instr. POLIT. SCI, City Col. New York, 59-60; asst. prof, State Univ. N.Y. Stony Brook, 60-65; SARAH LAWRENCE COL, 65- Louis Rabinowitz Found. res. grant, 66; Soc. Sci. Res. Coun. fel, 67-68; Danforth Found. fel, 68-69. Polit. Sci. Asn. Ethnic politics; foreign policy and cold war attitudes; power and power theory in American politics; community power and political leadership. Publ: Power and the powerless, Holt, (in press); The anti-Communist impulse, Random, 69; Ethnic politics and identity, *Am. Polit. Sci. Rev.*, 9/67. Address: Sarah Lawrence College, Bronxville, N.Y. 10708.

PARENTON, PROF. VERNON J(OSEPH), b. Plattenville, La, June 1, 08; m. 43; c. 2. **SOCIOLOGY.** A.B., La. State, 36, A.M., 38; Gen. Ed. Bd. fel, Harvard, 38-39, Ph.D., 48; Rockefeller Found. fel, Can. & France, 39-40. Asst. rural sociol, LA. STATE, 37-38, instr. SOCIOL, 40-42, assoc. prof, 45-54, PROF. 54- Guggenheim Mem. Found. fel, East. Can. & France, 60-61. U.S.N.R. 42-45, Lt. Sociol. Asn; Rural Sociol. Soc; Acad. Polit. & Soc. Sci. General and rural sociology; inter-personal relations; social cohesion and social control. Publ: Co-auth, Social and psychological consequences of a natural disaster: a longitudinal study of hurricane Audrey, 63 & Before the wind: a study of the response to hurricane Carla, 63, Nat. Acad. Sci-Nat. Res. Coun; Class structure and class conflict in Haitian society, Soc. Forces 3/65. Address: Dept. of Sociology, 150 Himes Hall, Louisiana State University, Baton Rouge, La. 70803.

PARET, PROF. PETER, *Mod. European Hist.*, see 5th ed, *Dir. Am. Scholars*, Vol. I, Hist.

PARIS, DR. JAMES D(ANIEL), b. New York, N.Y., Dec. 23, 08; m. c. 1. **ECONOMICS.** A.B., Columbia, 29, A.M. 31, Ph.D., 38. From res. asst. to ASST. ECONOMIST, METROP. LIFE INS. CO, NEW YORK, 30- Lectr, Columbia. Civilian instr, U.S. Navy & U.S. Coast Guard, 42-45; consult, Surg. Gen, U.S. Army, 45. Ed, *The Ensign*, 55-60. Econ. Asn; Statist. Asn; Economet. Soc; Asn. Bus. Econ. Life insurance in the national economy; market research; national income. Publ: Monetary policies of the United States, 1932-1938; Reflections on marketing responsibilities: a case study of insurance marketing research, *Paper, Am. Mkt. Asn.* Address: 83 Old Pond Rd, Great Neck, N.Y. 11023.

PARIS, PROF. NORMAN M(ARTIN), b. New York, N.Y., Jan. 21, 26; m. 51; c. 2. **PSYCHOLOGY.** A.B., Syracuse, 48; California, 48-49; Ph.D.(psychol), Vanderbilt, 53. Counsr. & instr. psychol, Maryland, 52-53, asst. prof, 53-54; chief voc. counseling serv, Vet. Admin. Hosp, Albany, N.Y., 54-58; assoc. prof. PSYCHOL, CINCINNATI, 58-65, PROF. 65-, dir. testing & counseling center, 58-67. Assoc. Inst. Appl. Behav. Sci, Nat. Training Labs, 64-, mem. bd. dir. 66- Consult, State Dept. Ed, N.Y., 55-58; Vet. Admin, 61- U.S.A., 43-46. Psychol. Asn; Personnel & Guidance Asn. Applied behavioral science; T-groups and laboratory method; organizational and management psychology and consulting; group dynamics. Publ: T-grouping: the helping movement, *Phi Delta Kappan*, 68. Address: Dept. of Psychology, University of Cincinnati, Cincinnati, Ohio 45221.

PARISH, DEAN H(AYWARD) CARROLL, JR, b. Pasadena, Calif, Feb. 13, 20. **INTERNATIONAL RELATIONS, POLITICAL SCIENCE.** B.A., California, Los Angeles, 49, M.A., 50, Ph.D., 59; Fulbright fel, Japan, 58-59. Asst. prof. naval sci, California, Los Angeles, 45, 46, 52-53; officer, State Legis. Assembly, Calif, 47; mem. staff, polit-mil. affairs div, Off. Chief Naval Ops, 50; assoc. prof. naval sci, CALIFORNIA, LOS ANGELES, 54, asst. dean students, 57-62, ASSOC. DEAN, 62-, DEAN FINANCIAL AIDS, 66- Lectr, Waseda & Aoyama Gakuin Univs, Japan, 58-59, overseas collab, Aoyama Gakuin Univ, 60-; instr, Naval Reserve Officers Sch, 60-; lectr, Southern California, 61. Victor M. Carter Diamond award, 62. U.S.N. 43-46, 50-54, Res. 54-, Capt. Fel. AAAS; Am. Polit. Sci. Asn; Asn. Asian Studies; fel. Int. Inst. Arts & Letters; Int. Polit. Sci. Asn. Comparative research of relations between Asian countries and other nations. Publ: Thailand bibliography; Local election in the United States, *Munic. Probe*; Thailand: cornerstone of peace in Southeast Asia, *World Affairs*. Address: 633 24th St, Santa Monica, Calif. 90402.

PARISH, DEAN W(ILLIAM) J(ACKSON), *Bus. Admin.*, see 10th ed, *Soc. & Behav. Vols.*

PARIZEAU, GÉRARD, *Commerce*, see 10th ed, *Soc. & Behav. Vols.*

PARK, DR. ALEXANDER G(ARLAND), *Polit. Sci.*, see 10th ed, *Soc. & Behav. Vols.*

PARK, DR. COLIN, b. Finchley, Eng, Aug. 11, 18; nat; m; c. 2. **ACCOUNTING, ECONOMICS.** C.P.A., State Univ. N.Y., 48; M.B.A., Buffalo, 49; Ph.D. (bus), Chicago, 55. Prof. acct, Buffalo, 49-56, dir. exec. develop. prog, 55-56; PARTNER, HASKINS & SELLS, 56- Lectr, Chicago, 51. U.S.A.A.F. 41-45, Capt. Econ. Asn; Am. Acct. Asn; Mgt. Asn; Asn. Bus. Econ. Managerial and financial accounting; business economics. Publ: Working capital, Macmillan, 63; El Capital de Trabajo, Formaca, 67; Funds flow, In: *Modern accounting theory*, Prentice-Hall, 67. Address: 43 Dale Dr, Chatham Township, N.J. 07928.

- PARK, PROF. GEORGE K(ERL)N, b. Boston, Mass, Jan. 8, 25; m. 48; c. 4. SOCIAL ANTHROPOLOGY, SOCIOLOGY. M.A. Chicago, 52; Ph.D.(soc. anthrop), 58; Cambridge, 58-59. Instr. sociol, Ohio State, 52-53, asst. prof., 55-58, 59-64; assoc. prof. SOC. ANTHROP, PITZER COL, 64-67, PROF, 67- Sr. res. fel, E.African Inst. Soc. Res, Makerere Univ. Col, Uganda, 61-; Mellon res. fel, Univ. Pittsburgh, 63-64. U.S.M.C.R., 43-46, Capt. Anthropol. Asn; Sociol. Asn; Ethnol. Soc; African Studies Asn; Int. African Inst. Peasant cultures; comparative sociology of tribal societies. Address: Dept. of Social Anthropology, Pitzer College, Claremont, Calif. 91711.
- PARK, PROF. JOHN C(HONG) S(OON), Econ. Bus. Admin, see 10th ed, Soc. & Behav. Vols.
- PARK, DR. JOHN N, b. Rochester, Minn, Aug. 29, 30. PSYCHOLOGY. B.A., Arizona, 52; Union Theol. Sem, 52-54; Yale, 54 & 56; Nat. Inst. Ment. Health fel. & M.A. Kansas, 61; Ph.D.(psychol), 64. ASST. PROF. PSYCHOL, State Univ. N.Y. Col. Cortland, 64-65; Montana State, 65-66; DEPAUL, 66- AAAS; Psychol. Asn. Visual perception. Publ: Co-auth, Shape constancy: functional relationships and theoretical formulations, 63 & An examination of Gibson's psychophysical hypothesis, 64. Psychological Bull; Co-auth, Recognition thresholds for value-related words, J. Personality & Soc. Psychol, 66. Address: Dept. of Psychology, DePaul University, Chicago, Ill. 60604.
- PARK, PROF. JULIAN, Int. Rels, see 10th ed, Soc. & Behav. Vols, deceased.
- PARK, DR. PETER, b. Incheon, Korea, Sept. 3, 29. SOCIOLOGY. B.A. Columbia, 53; fel. & M.A. Yale, 55; fel. & Ph.D., 58; Soc. Sci. Res. Coun. fel, Harvard, 57-58. Res. asst. sociol, center alcohol studies, Yale, 58-61; res. assoc. Soc. Res. Inst. Alcohol Studies, Finland, 61-62; asst. prof. SOCIOL, MASSACHUSETTS, 62-67, ASSOC. PROF, 67- AAAS; Sociol. Asn; Statist. Asn; Psychomet. Soc; Pop. Asn. Am. Sociological method and theory; drinking behavior; social stratification. Publ: Measurement of the pattern variables, Sociometry, 6/67; The scalogram model for sociometric data. Sociol. Inquiry, summer 67; The Cretan Dictum: a functional analysis of sociology, Am. Sociologists, 8/67. Address: Dept. of Sociology, University of Massachusetts, Amherst, Mass. 01002.
- PARK, PROF. RICHARD L(EONARD), b. Savannah, Ga, Mar. 29, 20; m. 60. POLITICAL SCIENCE. S.B. Northwestern, 42; M.A. Harvard, 48, Soc. Sci. Res. Coun. fel, 48-49, Ph.D., 51. Asst. prof. polit. sci. & chmn. Center South Asia Studies, California, 53-59; assoc. prof. polit. sci., Michigan, 59-64, dir, Center South. Asian Studies, 61-62; dean div. soc. sci., Pittsburgh, 64-66; PROF. POLIT. SCI, MICHIGAN, 66- Mid. East Inst. fel, 51-52; rep, Asia Found, India, 62-64; prof, Nat. War Col, 68-69. Consult. Nat. Sci. Found. & Cmt. Int. Exchange Persons, 66-; adv. U.S. Dept. State, 66- Mem. Coun. For. Rels; Indian Coun. World Affairs; v.pres, Am. Inst. Indian Studies, 64-67. U.S.A., 42-45, Capt. Am. Polit. Sci. Asn; Asn. Asian Studies; Int. Polit. Sci. Asn; Asiatic Soc, India; Indian Inst. Hist.Studies. Comparative government of India, Pakistan and Ceylon; international relations; South Asia. Publ: Co-auth, Pilot project, India & Leadership and political institutions in India; auth, India's political system, Prentice-Hall, 67. Address: Dept. of Political Science, University of Michigan, Ann Arbor, Mich. 48104.
- PARK, DR. SANG OH, b. Seoul, Korea, July 23, 30; U.S. citizen; m. 59; c. 2. ECONOMETRICS, REGIONAL SCIENCE. B.A. Fla. State, 57, M.A. 59; Ph.D. (econ), North Carolina, Chapel Hill, 63. Asst. prof. econ, Austin Col, 62-63; asst. prof. & sr. res. economist, New Mexico, 63-64; asst. prof. INDUST. MGT, CLEMSON, 64-66, ASSOC. PROF, 66- Consult, Lyman Printing & Finishing Co, S.C., summer 64; regional econ. div, off. bus. econ, U.S. Dept. Commerce, D.C., 66- Adj.Gen.C. Repub. Korea Army, 50-55. Econ. Asn; Statist. Asn; Economet. Soc; Regional Sci. Asn. Regional economic analysis; economic development and planning; building econometric models. Publ: Co-auth, Financing unemployment compensation in North Carolina, 1936-1965, Univ. North Carolina, Chapel Hill, 1/61; auth, Input-output method of analyzing the state's economy, Univ. New Mexico, 9/63; co-auth, Analysis of the recent changes in South Carolina's personal income, Univ. South Carolina, 3/67. Address: Dept. of Industrial Management, Clemson University, Clemson, S.C. 29631.
- PARK, WILLIAM R, Eng. Econs, see 11th ed, Phys. & Biol. Vols.
- PARKANY, DR. JOHN, b. Budapest, Hungary, Jan. 28, 21; nat; m. 54; c. 2. ECONOMICS. J.D. Univ. Budapest, 45; M.A. Georgetown, 49; Ph.D.(econ), Columbia, 55. Asst. prof. econ. & finance, Loyola (Ill), 50-54; sr. res. analyst, Imperial Oil Ltd, 55-56; head mkt. res. dept, Formica Co, 56-61; assoc. prof. mkt. Xavier (Ohio), 61-62; sr. mkt. analyst, WEYERHAEUSER CO, 62-64, asst. mgr. mkt. res, 64-67, MGR. ECON. RES, 67- Nat. Asn. Bus. Econ; Forestry Asn; Econ. Asn; Mkt. Asn. Government regulation of competition and monopoly; marketing research; business fluctuations. Publ: New approach to sales forecasting and production scheduling, J. Mkt; New forms of manufacturing competition, Bus. Horizons. Address: 4718 Slayden Rd. N.E., Tacoma, Wash. 98422.
- PARKE, ROBERT JR, b. Buffalo, N.Y., July 2, 27; m. 52; c. 2. DEMOGRAPHY, SOCIOLOGY. A.B. Haverford Col, 50; M.A. Columbia, 52. Intern sociol, Brown, 54-55; instr, Muhlenberg Col, 56-59; statistician, U.S. BUR. CENSUS, 59-61, family analyst pop. div, 61-65, staff asst, 66-67, PROG. PLANNING OFFICER, 68- Mem. submt. pop. dynamics, U.S. Nat. Cmt. Vital & Health Statist, 67- U.S.A.A.F., 45-47. Sociol. Asn; Pop. Asn; Int. Union Sci. Study Pop. Population; family statistics, especially formation of the family; marital stability; projections of households and families. Publ: Selection of assumptions in household and family projections, World Pop. Conf, Belgrade, 65; co-auth, Prospective changes in marriage and the family, J. Marriage & Family, 67 & New household projections for the United States, Demography, 68. Address: U.S. Bureau of the Census, Washington, D.C. 20233.
- PARKE, DR. ROSS DUKE, b. Huntsville, Ont, Dec. 17, 38; m. 62; c. 2. PSYCHOLOGY. B.A. Toronto, 62, M.A. 63; Ph.D.(psychol), Waterloo, 65. ASST. PROF. PSYCHOL, WISCONSIN, 65- Nat. Inst. Ment. Health res. grant, 65-66; Nat. Sci. Found. res. grant, 67-69. Psychol. Asn; Soc. Res.
- Child Develop. Social and personality development in children; the role of imitation and punishment in the development of self-control. Publ: Co-auth, Some factors influencing the efficacy of punishment training, Monogr. Soc. Res. Child Develop, 67; auth, Nurture, nurture withdrawal and resistance to deviation, Child Develop, 12/67; co-auth, The influence of punishment on the social behavior of children, In: Progress in experimental personality research, Academic, 68. Address: Dept. of Psychology, University of Wisconsin, Madison, Wis. 53706.
- PARKER, DR. AARON G(EORGE), b. New York, N.Y., Sept. 2, 28. PSYCHOLOGY. Ph.D.(psychol), California, Los Angeles, 55. Clin. psychol. intern, Letterman Army Hosp, San Francisco, Calif, 52-53; chief clin. psychol. sect, Wm. Beaumont Army Hosp, 54-57; human factors scientist, Syst. Develop. Corp, 57-60; CLIN. PSYCHOLOGIST, VET. ADMIN, 60- U.S.A. 52-57, Res, 57-, Capt. Psychol. Asn. Physiological psychology; psychodiagnostic testing; psychotherapy; day treatment centers; schizophrenia. Address: 6212 Commodore Sloat Dr, Los Angeles, Calif. 90048.
- PARKER, DR. ALLEN H(UDSON), b. Ritzville, Wash, Nov. 30, 21; m. 42; c. 4. CLINICAL PSYCHOLOGY. B.S. Ore. State Col, 43; M.S. Portland, 51, fel, 51-53, Ph.D., 54. Staff psychologist, Univ. Portland, 54-58; dir. psychol. serv, Morningside Hosp, Portland, Ore, 58-62; CLIN. PSYCHOLOGIST, LANGDON PSYCHIAT. CLIN, 62- Distinguished lectr, Anchorage Regional Center, Univ. Alaska, 62- Counsr, McLaren Sch. for Boys, 54; psychologist, pub. schs, Ore, 54, 55; clin. psychologist, Morningside Hosp, 55-58. U.S.A., 43-48, Capt. Psychol. Asn. Psychotherapy; community mental health. Address: 207 E. Northern Lights Blvd, Anchorage, Alaska 99503.
- PARKER, DR. B(ARTLE) KENT, b. Salt Lake City, Utah, Nov. 12, 37; m. 67. PSYCHOLOGY. B.S. Utah, 61, M.S., 64, Ph.D.(psychol), 67. Res. asst. Utah, 62-67, teaching asst, 63-67; ASST. PROF. PSYCHOL, PORTLAND, 67- U.S.A. 61-62, S/Sgt. Animal learning. Publ: Co-auth, Differences among modes for portraying stimulus information in concept identification, Psychonomic Sci, 64 & Overtraining effects on reversal and nonreversal shifts with a continuously reinforced free operant, Perceptual Motor Skills, 67. Address: Dept. of Psychology, University of Portland, 5000 N. Willamette Blvd, Portland, Ore. 97203.
- PARKER, PROF. CHARLES D, Audiol, see 11th ed, Phys. & Biol. Vols.
- PARKER, DR. CHRISTOPHER E(UGENE), b. Newark, N.J., Aug. 19, 33; m. 59; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. San Diego State Col, 59, M.A., 63; Ph.D.(psychol), California, Los Angeles, 66. ASST. PROF. PSYCHOL, SAN DIEGO STATE COL, 65- Nat. Insts. Health res. grant, 67. Human factors consult, Res. Mfg. Corp, 60-61. U.S.A.F. 52-56. Physiological psychology, especially brain-behavior relationships; comparative psychology, particularly comparative animal intelligence and general comparative animal behavior; general learning theory. Publ: Co-auth, Pressure changes in the esophagus to fear, pain and intense animal stimulation, J. Comp. & Physiol. Psychol, 63; Spectrographic analysis of electroencephalograms under conditions of alertness and relaxation, J. Psychol, 66; auth, Total darkness as an aversive stimulus for the squirrel monkey, Psychonomic Sci, 66. Address: Dept. of Psychology, San Diego State College, Box 483, San Diego, Calif. 92115.
- PARKER, CLARENCE EUGENE, Opers. Res, see 11th ed, Phys. & Biol. Vols.
- PARKER, PROF. CLYDE A, b. Ogden, Utah, Mar. 17, 27; m. 50; c. 2. EDUCATIONAL PSYCHOLOGY. B.S. & M.S. Brigham Young, 52; fel, Minnesota, 55-57, Ph.D., 57. Teacher, Ogden City Schs, 52-53; counsr, Brigham Young, 53-55, assoc. prof. personnel & guid, 57-64, chmn. counseling serv, 57-61, dir, 61-64, asst. dean students, 61-64; PROF. ED, PSYCHOL. MINNESOTA, MINNEAPOLIS, 64- Consult, Pine Hills Delinquency Exp. 58-; Vet. Admin, 64-; Stillwater High Sch, 66- U.S.N. 45-46. Psychol. Asn. Diagnostic process; counseling; college student personnel work. Publ: Empathy, Vol. 34, 10/55 & The place of counseling in the preparation of college student personnel workers, 66, Personnel & Guid. J; As a clinician thinks, J. Counseling Psychol, 58. Address: 249 Burton Hall, University of Minnesota, Minneapolis, Minn. 55455.
- PARKER, PROF. DAISY, b. Charlotte, N.C., Feb. 18, 15. POLITICAL SCIENCE. A.B. Fla. State Col. Women, 37; A.M. Virginia, 40, Ph.D., 59. From instr. polit. sci. to PROF. GOVT, FLA. STATE, 42- Chmn. fel. cmt, Mortar Bd, 58-, ed, Mortar Bd. Quart, 50-55. Florida government; state government; legislative process. Publ: Co-ed, Background for public decision making, Inst. Govt. Res, Fla. State, 4/67. Address: Dept. of Government, Florida State University, Tallahassee, Fla. 32306.
- PARKER, DR. DANIEL P(ASKIN), b. Philadelphia, Pa, Nov. 30, 22; m. 43; c. 2. POLITICAL SCIENCE. A.B. Emory, 43; M.A. Pennsylvania, 47, Ph.D. (polit. sci), 51. Instr. POLIT. SCI, CITY COL. NEW YORK, 46-51, ASST. PROF, 51- Adj. prof, exten. div, Cornell, 51-60; exec. secy, Nassau-Suffolk Legis. Clearing House, 57-60; vis. prof, California, Los Angeles, 61; summer lectr, Am. Polit. & Am. For. Policy in Israel, 65 & 67. U.S.A., 42-46. International relations; foreign policy; political parties; urban and metropolitan problems; political biography. Publ: Co-ed, Major aspects of American government. Address: 17 Lexington Ave, New York, N.Y. 10010.
- PARKER, DR. DAVID M, b. Honolulu, Hawaii, Jan. 3, 20; m. 67. PHYSIOLOGICAL PSYCHOLOGY. A.B. San Diego State Col, 60; M.A. California, Los Angeles, 63, Ph.D.(psychol), 64. Res. asst. PSYCHOL, SAN DIEGO STATE COL, 58-60; California, Los Angeles, 60-63; ASST. PROF, SAN FERNANDO VALLEY STATE COL, 64- U.S.A. 46-50. AAAS; Soc. Psychophysiol. Res. Physiological correlates of feelings and emotions, particularly motion sickness. Publ: An investigation of autonomic function in motion sickness, Univ. Microfilms, 64; A simple scanner digitizer for polygraph, Psychophysiology, 64; Effects of sea sickness on error scores in mirror tracing, J. Psychol, (in press). Address: Dept. of Psychology, San Fernando Valley State College, Northridge, Calif. 91324.
- PARKER, DR. DONALD E(DWARD), b. Chicago, Ill, Apr. 6, 36; m. 59; c. 2. PSYCHOLOGY. A.B. DePauw, 58; Nat. Insts. Health fel, Princeton, 60-61,

- Ph.D.(psychol), 61. Nat. Insts. Health fel. audition, Princeton, 61-62; mem. staff, biodynamics environ. br, aeromed. res. lab, Wright-Patterson Air Force Base, 62-65; fel. vestibular res, Max Planck Inst. Physiol. Behav., 65-66; ASST. PROF. PSYCHOL, MIAMI (OHIO), 66- AAAS; Acoustical Soc; Psychol. Asn. Orientation; vestibular research; audition. Publ: Co-auth, Acoustic vestibular stimulation, J. Acoustical Soc. Am, 67, Subjective vertical, Naturwiss, 67 & Vestibular damage, Rev. Panam. Otol, 67. Address: Dept. of Psychology, Miami University, Oxford, Ohio 45056.
- PARKER, DR. D(ONALD) H(ENRY), b. Syracuse, N.Y., Apr. 18, 12; m. 31; c. 1. EDUCATIONAL PSYCHOLOGY. B.A. Florida, 50, M.A., 52; Ed.D., Columbia, 57. Dir. testing, Personnel Res. Counsr, 44-46; psychologist, Children's Home Soc, Fla, 46-50; reading consult, Bradford County Schs, 50-52; lectr. & dir. reading lab, North Carolina, 52-54; dir. reading center, Charlotte Col, 54-55; reading consult, Westchester County Schs, N.Y., 55-57; prof. ed. & dir. reading lab, Bridgeport, 57-58; multilevel consult. reading & gen. ed, Sci. Res. Assocs, Ill, 58-64; DIR, INST. MULTILEVEL LEARNING INT, 64- Lectr, Columbia, 56-57; Scotland, Eng, Sweden, Spain, Venezuela & Colombia, 63-64. Consult, Thomas Nelson & Sons, Scotland, 60; Edinburgh Schs, 60; ed. consult, U.S. Agency Int. Develop, Venezuela, 64. U.S.N., 42-44. AAAS; Psychol. Asn; Sci. Teachers Asn; Personnel & Guid. Asn. Develop. of a multilevel philosophy of teaching and learning; learning rate and capacity; development of a structure of balanced schooling, training and education; M3X Synchroteach. Publ: SRA reading laboratories; Schooling for individual excellence, Nelson, 63; Multilevel, self-programming learning materials, In: Innovations for time to teach, Nat. Ed. Asn, 66. Address: Institute for Multilevel Learning International, Emlimar, Big Sur, Calif. 93920.
- PARKER, DR. EDWIN B(URKE), b. Berwyn, Alta, Jan. 19, 32; m. 57; c. 2. SOCIAL PSYCHOLOGY. B.A., British Columbia, 54; M.A., Stanford, 58, Ph.D., 60. Reporter, Vancouver Sun, 54-55; info. officer, British Columbia, 55-57; asst, Stanford, 58-60; asst. prof. journalism & res. asst. prof, inst. commun. res, Illinois, 60-62; asst. prof. COMMUN, STANFORD, 62-63, ASSOC. PROF, 63- Psychol. Asn; Sociol. Asn; Statist. Asn; Asn. Pub. Opinion Res; Asn. Ed. Journalism; Asn. Comput. Mach; Inst. Info. Scientists. Communication research methods; theory of communication; computers as communication media; information retrieval. Publ: Co-auth, Television in the lives of our children, 61 & co-ed, The Kennedy assassination and the American public, 65, Stanford Univ. Address: Dept. of Communication, Stanford University, Stanford, Calif. 94305.
- PARKER, PROF. FRANKLIN, American & African Education History, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- PARKER, PROF. FREDERICK B(UTTERFIELD), Sociol, see 10th ed, Soc. & Behav. Vols.
- PARKER, DR. GARLAND G(LENWOOD), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- PARKER, PROF. G(EOGE) GORDON, Cultural Anthropol, Sociol, see 10th ed, Soc. & Behav. Vols.
- PARKER, DR. HARRY J(OHN), b. Sioux City, Iowa, Jan. 18, 23; m. 53; c. 2. COUNSELING PSYCHOLOGY. B.A. Elmhurst Col, 47; M.A. Northwestern, 53, Ph.D.(counseling psychol), 56. Counsr, counseling center, Northwestern, 53-56, psychologist, 56-57, asst. dir. center, 57-58, dir. 58-59, lectr, univ, 56-59; assoc. prof. ED. PSYCHOL, OKLAHOMA, 59-66, PROF, 66-, RES. PROF. PREV. MED. & PUB. HEALTH, SCH. MED, 66- Res. award, Frontiers Sci. Found. Okla, Inc, 60-61; contract grant, div. voc. & tech. ed, off. ed, Dept. Health, Ed. & Welfare, 65; dir. planning, sch. health related professions, med. center, Oklahoma, 67. Consult, pub. schs, Okla, 59-; consult, psychologist, Peace Corps Training Projs, Univ. Oklahoma, 62-63; voc. consult, soc. security admin, Bur. Hearings & Appeals, 63-; Okla. State Bd. Voc. Ed, 66-67. U.S.A., 43-46. Psychol. Asn. Occupational choice; distortion of information within the counseling process; effects of parental climate upon the child's occupational development and choice; dissemination of occupational information in counseling; training health related professions. Publ: Co-auth, Parental influence upon adolescents' occupational choice: a test of an aspect of Roe's theory, J. Counseling Psychol, winter 65; auth, Employability of impaired individuals who have transferable skills and not specific training, Documents of Interest to Voc. Consult, 65; co-auth, Parent-child relations: research status, measurement, and predictive value, Monogr. 1, Med. Center, Oklahoma, 67. Address: Dept. of Preventive Medicine, University of Oklahoma Medical Center, Oklahoma City, Okla. 73104.
- PARKER, DR. JAMES, b. Pitman, N.J., Feb. 10, 18; m. 46; c. 3. PSYCHOLOGY, EDUCATION. B.S. Glassboro State Col, 49, M.S., 55; Ed.S., Florida, 58, Ed.D.(guid, counseling), 64. Teacher, pub. schs, Calif, 49-50 & N.J., 50-56; sch. psychologist, pub. schs, Fla, 58-63, supvr. sch. psychologists, 64-68; ASSOC. PROF. ED, GA. SOUTH. COL, 68- U.S.N., 39-45, U.S.N.R. Psychol. Asn; Personnel & Guid. Asn. Learning and school adjustment problems in children; training of school psychologists. Publ: The school psychologist in Florida, Fla. J. Ed. Res, 61; The relationship of self report to inferred self concept, Ed. & Psychol. Measurement, 66. Address: Dept. of Education, Georgia Southern College, Statesboro, Ga. 30459.
- PARKER, DR. JAMES F(LETCHER), JR, Psychol, see 10th ed, Soc. & Behav. Vols.
- PARKER, MAJ. JAMES W(ILLIAM), U.S.A., b. Houston, Tex, Aug. 30, 21; m. 43; c. 2. CLINICAL PSYCHOLOGY. Ph.D.(psychol), Texas, 53. U.S. ARMY, 51-, clin. psychologist, Brooke Army Hosp, 53-55, chief psychologist, ment. hyg. consultation serv, Ft. Ord Army Hosp, 55-60, Madigan Gen. Hosp, Tacoma, Wash, 60-63, DIR. CLIN. TRAINING, LETTERMAN GEN. HOSP, 63- U.S.A.A.F., 43-45. Psychol. Asn. Hypnosis; brain damage; psychosomatic disorders. Publ: Tactual-kinesthetic perception as a technique for diagnosing brain damage; Validity of some current tests for organicity; Sexual aggression and the need for tenderness. Address: U.S. Army Letterman General Hospital, Box 264, San Francisco, Calif. 94129.
- PARKER, JAMES W(INFORD), b. Burlington, Vt, May 24, 27; m. 55. INDUS-TRIAL PSYCHOLOGY. A.B. Vermont, 49; Connecticut, 49-50; Am. Optical Co. fel, Tufts, 52; M.S. N.C. State Col, 52; Western Reserve, 53-57. Asst. psychol, N.C. State Col, 50-52; inst. appl. exp. psychol, Tufts, 52-53; res. assoc, personnel res. inst, Western Reserve, 53-57; Personnel Res. & Develop. Corp, 57-60; RES. PSYCHOLOGIST, PERSONNEL RES. BR, NAVAL SUBMARINE MED. RES. LAB, 60- U.S.N., 45-47, Res, 49-, Comdr. Psychol. Asn; Psychomet. Soc; Human Factors Soc; Soc. Psychophysiol. Res; N.Y. Acad. Sci. Selection techniques for submarine personnel; test construction; factor analysis; human factors engineering; application of psychophysiological techniques to personnel assessment. Publ: Co-auth, Psychological & psychophysiological effects of confinement in a high-pressure helium-oxygen atmosphere for 284 hours, Report 411, 11/64 & auth, The response analysis tester (RATER) & logical inference tester (LOGIT); I. some preliminary findings, Report 487, 2/67, Naval Submarine Med. Center. Address: Naval Submarine Medical Research Lab, Box 600-Submarine Base New London, Groton, Conn. 06340.
- PARKER, PROF. JAN, b. Bangor, Maine, Aug. 27, 32. ECONOMICS. B.A., Conn. Col, 54; M.A. Connecticut, 56; Brown, 56-59, Ford Found. fel, 59-60; vis. scholar, Mass. Inst. Tech, 67-68. Instr. ECON, Wellesley Col, 60-64; asst. prof, Wheaton Col.(Mass), 64-67; ASSOC. PROF, SWEET BRIAR COL, 68- Econ. Asn; Finance Asn; Nat. Tax Asn. Age-earnings profiles and the valuation of human capital. Address: Dept. of Economics, Sweet Briar College, Sweet Briar, Va. 24595.
- PARKER, DR. JOSEPH B, JR, Psychiat, see 11th ed, Phys. & Biol. Vols.
- PARKER, PROF. MABEL E(STELLE), b. Rowena, S.Dak, Feb. 16, 97. SOCIAL SCIENCE. B.S. Minnesota, 21; M.A., California, 31; Ph.D.(econ), Colorado, 51. Registr. & instr, BEMIDJI STATE COL, 31-45, assoc. prof. SOC. STUDIES, 47-53, prof, 53-62, EMER. PROF, 62- Local history; government; economic and social problems. Address: 1121 Lake Blvd, Bemidji, Minn. 56601.
- PARKER, PROF. PATRICK J, Econ, Statist, see 10th ed, Soc. & Behav. Vols.
- PARKER, DR. PAUL D(AVID), b. Boston, Mass, Feb. 21, 21; m. 46; c. 2. PUBLIC HEALTH. B.S. Boston, 45, A.M., 47, Ed.D.(psychol), 63; California, Los Angeles, 47-48. Psychologist, Myles Standish State Sch, Mass, 49-52; Medfield State Hosp, 52-54, prin. psychologist, 54-62; dir. training & res, STATE DEPT. PUB. HEALTH, MASS, 62-67, ACTING DIR. HEALTH STATIST, 67- Lectr, State Teachers Col. Boston 57; Suffolk, 63-67. Consult, Mass. Soc. Prev. Cruelty to Children, 49-52; Family Aid Asn, 49-52; Quincy Juvenile Court, Mass, 52-62; Mass. Correctional Inst. Women, 52-62; Newton-Wellesley Hosp, 52-62; Quincy Sch. Dept, 54-55; res. consult, St. Paul's Rehab. Center for Blind, Newton, 60-61; consult, Oper. Headstart, 65; Upward-Bound Prog, 66, 67. Field dir, Wheaton Col. (Mass), 51-52; Wellesley Col, 55; Brandeis, 56-62; Regis Col.(Mass), 56-62. Psychol. Asn; Asn. Ment. Deficiency; Group Psychother. Asn; Pub. Health Asn. Publ: Co-auth, Hypnosis, task-motivating instructions, and learning performance, J. Abnorm. & Soc. Psychol, 11/64. Address: 240 Tappan St, Brookline, Mass. 02146.
- PARKER, DR. ROLLAND S, b. New York, N.Y., Dec. 31, 28. CLINICAL PSYCHOLOGY. A.B. N.Y. Univ, 48, Ph.D., 59. Asst. psychol, N.Y. Univ, 48-51; trainee, Alfred Adler Psychiat. Clin, 52-55; clin. psychologist, St. Lawrence State Hosp, Ogdensburg, N.Y., 55-56; sr. clin. psychologist, Manhattan State Hosp, 56-59; psychotherapist, New Hope Guild Psychiat. Clin, 59-60; CLIN. PSYCHOLOGIST, Vet. Admin. Hosp, Northport, N.Y., 60-62, VET. ADMIN. N.Y. REGIONAL OFF, 62- Lectr, Brooklyn Col, 59-60; Long Island, 59-60, adj. assoc. prof, grad. sch, 66; lectr, Hunter Col, 67. Intern, Mt. Sinai Hosp, New York, N.Y., 53-54; clin. psychologist, Creedmoor State Hosp, 56, private practice, 60- Consult. sch. psychologist, Bialik Sch, N.Y., 53-64; pub. schs, 55-66; consult, Police Athletic League, 64-66, assoc. consult, Dunlap & Assocs, 67; Drake, Beam & Assocs, 68. Dipl. Am. Bd. Exam. Prinl. Psychol, 64. Med.Serv.C. Res, 48-, Maj. Psychol. Asn; Soc. Psychophysiol. Res; fel. Soc. Proj. Tech. & Personality Assessment; Soc. Group Psychother. & Psychodrama. Projective techniques; intelligence testing; comparative psychophysiology. Publ: The varieties of resistance in group psychotherapy, 67 & Therapist activity in the resolution of resistance in group psychotherapy, 68, Psychiat. Quart; co-auth, The significance of varieties of actors of the Rorschach human movement response, J. Proj. Tech. & Personality Eval, 68. Address: 50 W. 96th St, Apt. 9-C, New York, N.Y. 10025.
- PARKER, DR. RONALD KEITH, b. Stamford, Tex, Sept. 7, 39; m. 67. PSYCHOLOGY. B.A. Southern Methodist, 62; M.A. Vanderbilt, 65, Ph.D., 66. ASST. PROF. PSYCHOL, FLA. STATE, 66- Consult, Projs. Head Start, Fla, Ga. & N.C. Psychol. Asn; Soc. Res. Child Develop; Ed. Res. Asn. Cognitive development in young children. Publ: Readings in educational psychology, Allyn & Bacon, 68. Address: Dept. of Psychology, Florida State University, Tallahassee, Fla. 32304.
- PARKER, DR. SEYMOUR, b. New York, N.Y., May 7, 22; m. 49; c. 2. CULTURAL ANTHROPOLOGY. B.A. N.Y. Univ, 47, M.A., 49; Ph.D.(soc. anthrop), Cornell, 54. Asst. sociol. & anthrop, Cornell, 50-53; soc. rehab. unit, Belmont Hosp, Sutton, Eng, 54-56; asst. prof. cultural anthrop, Jefferson Med. Col, 57-65; ASSOC. PROF. SOC. SCI, MICH. STATE, 65- U.S.A.A.F., 41-43; U.S.A., 43-45, Sgt. Fel. Anthropol. Asn. Socio-environmental studies relating to mental health and illness; studies of migration and its relationship to mental disorder; culture-personality studies. Publ: Disorganization on a psychiatric ward: natural history of a crisis, Psychiatry; Leadership patterns in a psychiatric ward, Human Rel; Eskimo psychopathology in the context of Eskimo personality and culture, Am. Anthropol. Address: Dept. of Social Sciences, Michigan State University, East Lansing, Mich. 48824.
- PARKER, DR. TREADWAY C(HISHOLM), b. St. Louis, Mo, July 23, 32; m. 56; c. 1. PSYCHOLOGY. B.A. Washington (St. Louis), 55, M.A., 57; Ph.D., N.Y. Univ, 61. Res. assoc, Standard Oil Co.(N.J.), 56-58, 60-61; asst. PSY-

- CHOL. RES. N.Y. Univ. 58-60; assoc. scientist, Dunlap & Assocs, Inc. Conn. 62-65; DIR. & MGR. LEARNING RES. AM. FOUND. MGT. RES. NEW YORK, 65- U.S.A.R. 54-, 1st Lt. Psychol. Asn; Psychomet. Soc; Soc. Psychol. Study Social Issues. Social behavior in organizations; psychological measurement techniques; management development; organizational change and development. Publ: Relationships among measures of supervisory behavior, group behavior and situational characteristics, Personnel Psychol. 63; The psychological environment and work group behavior, Personnel Admin. 65; co-auth. The relationship of personal characteristics to telephone dialling performance, Ergonomics, 66. Address: 28 Patterson Ave, Greenwich, Conn. 06830.
- PARKER, WILLARD E (AGLESON), Indust. Psychol. see 10th ed, Soc. & Behav. Vols.
- PARKER, PROF. WILLIAM N (ELSON), b. Columbus, Ohio, June 14, 19; m. 48. ECONOMICS. Nat. scholar. & A.B. Harvard, 39, M.A., 41, Fulbright & Soc. Sci. Res. Coun. fcls. & Ph.D. (econ. hist), 51. Economist, U.S. Senate Cmt. 46; U.S. Dept. State, 47-48; asst. prof. ECON, Williams Col. (Mass), 51-55; assoc. prof. North Carolina, 58-61, PROF. 61-62; YALE, 62- Guggenheim Mem. Found. fel. 66-67. U.S.A. 41-45. Econ. Asn; Econ. Hist. Asn. (co-ed, J. Econ. Hist. 60-66); Hist. Asn; Royal Econ. Soc; Econ. Hist. Soc. Brit. Economic history; European industry. Publ: Co-auth. Coal and steel in Western Europe, Indiana Univ. 57; ed, Trends in American economy in 19th century, Princeton, 61; Productivity growth in American agriculture, In: Vol. I, Studies in income and wealth. Address: 181 E. Rock Rd, New Haven, Conn. 06511.
- PARKES, DR. ERNEST, b. Vienna, Austria, May 31, 04; nat; m. 36. CLINICAL PSYCHOLOGY. B.S. City Col. New York, 45; M.A. N.Y. Univ. 49, fel. 49-50, Ph.D. (clin. psychol.), 53. Instr. ed. N.Y. Univ. 51-53; clin. psychologist, Vet. Admin. New York, 53-61, chief clin. psychol. sect. VET. ADMIN. HOSP. BROOKLYN, 62-66, CHIEF PSYCHOL. SERV. 66- Clin. psychol. trainees, Vet. Admin. 50-53. Psychol. Asn; Soc. Clin. & Exp. Hypnosis. Application of clinical methods to social psychology; parent-child relationships; problems of old age. Publ: Co-auth. Manic depressive psychosis and allied conditions. Address: 303 W. 66th St, Apt. 17BW, New York, N.Y. 10023.
- PARKHURST, ELIZABETH (MRS. J. V. DE PORTE), b. Moline, Ill, Apr. 20, 05; m. 37; c. 1. STATISTICS. A.B. Smith Col. 25; Rockefeller fel. Hopkins, 28-29, M.Sc. 38. Asst. div. vital statist, State Dept. Health, N.Y. 25-28, sr. statistician, 29-49, assoc. biostatistician, 49-54, prin. biostatistician, 54-60; biostatist. consult. 61-67; RETIRED. Statist. Asn; fel. Pub. Health Asn. Public health statistics. Publ: Study of the association of factors of pregnancy and parturition with the development of cerebral palsy, Am. J. Hyg; Differential mortality in urban and rural areas of N.Y. State & co-auth. Epidemiological study of congenital malformations in N.Y. State, Am. J. Pub. Health. Address: New Lebanon Center, N.Y. 12126.
- PARKHURST, PROF. FREDERICK W (ILBERT), JR. b. Boston, Mass, Aug. 12, 28; m. 57; c. 1. ECONOMICS. LAW. B.A. Northeastern, 51, LL.B. 53; M.A. Boston, 55; Ford Found. fel. Pennsylvania, 60-61; Piedmont Univ. Center summer grant, 66; summer fcls. N.Y. Univ. 66 & 67, LL.M. 68. Sch. committee, City of Waltham, Mass. 51-54; instr. econ. Emory & Henry Col. 58, asst. prof. 59-60, assoc. prof. ECON. & chmn. dept. 61-64; ASSOC. PROF. GUILFORD COL. 64- Asst. instr. Northeastern, 53. Attorney-at-law, 53-; dir. cmt. civil rights proj. Am. Friends Serv. Cmt. S.C. summer 65. U.S.A. 55-57. Econ. Asn; Indust. Rels. Res. Asn; Law & Society Asn; Asn. Evolutionary Econ. Labor union political action; consumer economics; relationship between economics and politics; application of ethical principles to the solution of economic problems; law and the social sciences, including taxation for planning. Publ: Noise, jets, and the sonic boom, U.S. Cong. Record, H14550-H14563, 11/3/67. Address: Dept. of Economics, Box 8207, Guilford College, Greensboro, N.C. 27410.
- PARKHURST, PROF. KENNETH L (ANGROISE), b. Moscow, Idaho, Mar. 3, 25; m. 59; c. 3. BUSINESS ECONOMICS. B.A. Amherst Col. 50; Stockholm, 48-49, Am. Scandinavian Found. fel. 52-53; M.A. George Washington, 55; Ph.D. (econ), Southern California, 63. Asst. prof. econ. & bus. N.Mex. West. Col. 55-63; assoc. prof. ECON. & acting chmn. dept. Northern Michigan, 63-66; PROF. JOHN CARROLL, 66- V-pres. admin. Miocene Drilling Corp. 55-57; dir. U.S. Dept. Labor res. grant, 64-66. Summers, lectr. Uppsala, 65, Econ-in-Action fel. Case Western Reserve, 67. Mem. Mich. Gov. Study Cmn. Refinancing Mackinac Bridge, 64-65; U.S.N. 50-52, Lt. (jg). Econ. Asn; Asn. Study Soviet-Type Econ; Asn. Comp. Econ. Swedish cooperative activity; grade labeling controversy during the second world war; influence of grade labeling on the demand curve. Publ: Ed. Soviet book of readings & Socio-economic influences on managerial class, (in prep); res. dir. Manpower problems and economic opportunities in an adjusting economy, Off. Manpower, Automation & Training, U.S. Dept. Labor, 9/65. Address: Dept. of Economics, School of Business, John Carroll University, Cleveland, Ohio 44122.
- PARKINS, DR. IVAN W (ORTH), b. Centralia, Ill, Mar. 26, 22; m. 46; c. 3. POLITICAL SCIENCE. B.S. U.S. Naval Acad. 43; M.A. Chicago, 48, Ph.D. (polit. sci.), 55. Instr. polit. & soc. sci. Akron, 48-55; asst. prof. soc. sci. Florida, 55-57; assoc. prof. govt. Jacksonville, 57-61, prof. 61-63; Asheville-Biltmore Col. 63-67; ASSOC. PROF. POLIT. SCI. CENTRAL MICHIGAN, 67- U.S.N. 40-45, Lt. (jg). Polit. Sci. Asn. American government; social science; political theory. Publ: Among our fellow men, Vols. I & II; Let's disassemble the House, S. Atlantic Quart. Address: Dept. of Political Science, Central Michigan University, Mt. Pleasant, Mich. 48858.
- PARKINSON, DR. BLAINE P, b. Logan Utah, Dec. 10, 24; m. 48; c. 9. EDUCATIONAL PSYCHOLOGY. B.S. Utah, 51, M.S. 59, Ph.D. (ed. psychol.) 64. Teacher, elem. sch. 51-52; jr. high sch. 52-53; counselor, high sch. 54-57; dir. prog. & personnel, men's housing, Brigham Young, 57-60; PROF. ED. WEBER STATE COL., 62- Consult. inst. develop. ed. activities, Charles F. Kettering Found. 67. U.S.N. 43-45. Psychol. Asn. Individualization of instruction at all levels of education. Address: 1340 37th St, Ogden, Utah 84403.
- PARKINSON, J (OSEPH) F (REDERICK), b. Wallasey, Eng, June 5, 04; m. 28; c. 2. ECONOMICS. B.Com. London Sch. Econ. 28. Assoc. prof. econ. Toronto, 29-41; economist, Can-U.S.A. Joint Econ. Cmtes, 41-43; econ. adv. Can. Wartime Prices & Trade Bd. 43-46; alternate dir. for Can. Int. Bank & Int. Monetary Fund, D.C. 46-51; Can. rep. OEEC, France, 51-52; financial counsr. Off. Can. High Cmnr. Eng. 52-53; dir. econ. policy div. CAN. DEPT. FINANCE, 54-57, ECON. ADV. 57- Dir. Cent. Housing & Mortgage Corp. 54-, chmn. Munic. Develop. & Loan Bd. Ottawa, 65- Financial counsr. Can. Embassy, D.C. 48-51, minister, France, 51-52; Mem. North. Can. Power Cmn. 58- Am. Econ. Asn; Can. Econ. Asn; Inst. Pub. Admin. Can. Publ: Ed. Canadian investment and foreign exchange problem & Canadian war economics; auth. Bases of Canadian commercial policy 1926-39, Can. Inst. Int. Affairs. Address: Room 117, Confederation Bldg, Wellington St, Ottawa, Ont. Can.
- PARKMAN-RAY, DR. MARGARET ANNE, b. Chicago, Ill, Mar. 7, 39; m. 68; c. 5. SOCIAL PSYCHOLOGY. B.A. Michigan, 60; Nat. Sci. Found. fel. Chicago, 61-64, M.A. 63, Ph.D. (soc. psychol.), 65. Asst. dir. soc. psychol. lab. Chicago, 64-65; ASST. PROF. CHILD DEVELOP. & FAMILY RELS. CORNELL, 65- Sociol. Asn; Nat. Coun. Family Rels; Soc. Res. Child Develop. Small group processes; family relations; socialization; communication processes. Publ: Co-auth. Intermarriage in Hawaii, Am. Sociol. Rev. 67. Address: G-60 Martha Van Rensselaer, Cornell University, Ithaca, N.Y. 14850.
- PARKS, DEAN DONALD S (TEVENS), b. Battle Creek, Mich, Oct. 12, 00; m. 30; c. 1. ECONOMICS. A.B. Albion Col. 25; M.B.A. Northwestern, 26; Penfield scholar, N.Y. Univ. 28. Instr. bus. orgn. & mgt. Northwestern, 29-30; asst. prof. mgt. TOLEDO, 31-32, assoc. prof. 33-42, dir. univ. & labor leadership prog. 44-46, PROF. PERSONNEL MGT. 44-, DEAN STUDENTS, 34-42, 50- Arbit. Asn; Personnel & Guid. Asn. Personnel studies; industrial relations; college personnel. Publ: How trends personnel work; Survey of the training and qualifications of personnel executives & Labor leadership training, Personnel J. Address: 2446 Meadowwood Dr, Toledo, Ohio 43606.
- PARKS, PROF. FRANK L (OVERN), b. Portland, Ore, Apr. 6, 04. SOCIOLOGY. A.B. & B.Ed. Colorado, 29, A.M. 31; Ph.D. Washington (Seattle), 49. Instr. soc. sci. Milwaukee, 30-35; superv. soc. studies, pub. schs. Wis. 35-42; instr. sociol. Washington (Seattle), 46-49; PROF. SOCIOLOGICAL & HEAD COUNSR. LIB. ARTS, OREGON STATE, 49- U.S.N. 42-46, Comdr. Sociol. Asn; Anthropol. Asn. Interpersonal relationships; sociometry; race relations; social psychology. Address: 209 School of Humanities & Social Sciences, Oregon State University, Corvallis, Ore. 97330.
- PARKS, DR. JAMES E. b. Scottsboro, Ala, Jan. 27, 25; m. 48; c. 2. ECONOMICS. BUSINESS ADMINISTRATION. B.B.A. Mississippi, 48; Marshall Field scholarship & M.B.A. Northwestern, 49; Gen. Ed. Bd. fel. & D.C.S. Harvard, 58. Asst. prof. mkt. & retailing & asst. to dean, sch. bus. Mississippi, 49-52; res. assoc. bus. admin. Harvard Bus. Sch. 53-54, asst. prof. res. 54-57; assoc. prof. indust. mgt. sch. indust. admin. Purdue, 57-61; dir. mkt. res. & manpower develop. Westinghouse Air Brake Co. 61-65; PROF. INDUST. ECON. MISSISSIPPI, 65- Consult. N.Y. Cent. R.R. 57-59. Chmn. Pittsburgh Regional Conf. Harvard Bus. Sch. 64. U.S.A.A.F. 43-45, S/Sgt. Mkt. Asn. Acad. Mgt. Business policy formulation and administration; railroad passenger service. Publ: Marketing capital goods, Proc. Nat. Conf. Am. Mkt. Asn. 6/64. Address: Dept. of Economics & Business Administration, University of Mississippi, Conner Hall, University, Miss. 38677.
- PARKS, PROF. NORMAN L (EXINGTON), b. Tiptonville, Tenn, Jan. 19, 04. POLITICAL SCIENCE. A.B. Abilene Christian Col. 23; A.M. Peabody Col. 30; Ph.D. Vanderbilt, 42. Dean, David Lipscomb Col. 34-42; mem. soc. sci. faculty, Peabody Col. 42-47; asst. prof. & lectr. polit. sci. Vanderbilt, 47-53; PROF. SOC. SCI. MID. TENN. STATE, 53-. HEAD DEPT. POLIT. SCI. 66-, chmn. dept. soc. sci. 53-66. NBC election res. dir. Tenn. 66, 68. Sr. ed. writer, Tenn. 44-48. Polit. Sci. Asn. American foreign policy, theory and law. Publ: Co-auth. Voices of concern, Messenger, 66; auth. The sovereign state of Bell, Nation, 68; Tenn. politics since Kefauver, J. Polit. 66. Address: Dept. of Political Science, Middle Tennessee State University, Murfreesboro, Tenn. 37130.
- PARKS, PROF. ORAL E (UGENE), b. Draw, Tex, Aug. 28, 31; m. 59. POLITICAL SCIENCE. B.A. Tex. Tech. Col. 57; Fulbright scholar, Philippines, 59-60; M.A. Mich. State, 60, Falk fel. 61-62. Instr. govt. Lansing Community Col. 61-64; asst. prof. POLIT. SCI. Montana State, 64-68; ASSOC. PROF. EAST CAROLINA, 68- U.S.A. 52-54, M/Sgt. Polit. Sci. Asn. Theoretical and statistical analysis of voting behavior particularly split-ticket voting. Publ: Co-auth. What to read on Vietnam: an annotated bibliography, Inst. Pac. Rels. 59; auth. Montana, In: State party structures and procedures, Nat. Munic. League, 67. Address: Dept. of Political Science, East Carolina University, P.O. Box 2752, Greenville, N.C. 27834.
- PARKS, DR. RICHARD W, b. Utica, N.Y., Oct. 16, 38; m. 60; c. 2. ECONOMICS. A.B. Harvard Col. 60; Ford Found. fel. California, Berkeley, 64-65, M.A. 65, Ph.D. (econ), 66. ASST. PROF. ECON. CHICAGO, 65- Fulbright lectr. Tucuman, Argentina, summer 68. Consult. dept. planning, Govt. Panama, 66-67. Econ. Asn; Economet. Soc. Econometric research on consumer demand relations and the demand for consumer durables; econometric methodology. Publ: Efficient estimation of a system of regression equations when disturbances are both serially and contemporaneously correlated, J. Am. Statist. Asn. 62: 500-509; Systems of demand relations: an empirical comparison of alternative functional forms, Report 6808, Univ. Chicago, 67. Address: Dept. of Economics, University of Chicago, Chicago, Ill. 60637.
- PARKS, DR. ROBERT B (ENJAMIN), b. DeKalb, Ill, Jan. 20, 23; m. 42; c. 3. PSYCHOLOGY, PUBLIC HEALTH. Ph.B. Chicago, 47; B.A. & M.A. Denver, 48, fel. 49-51, Ph.D. (psychol.), 51. Behav. scientist, Armament Sys. Res. Lab. U.S. Air Force, 51-54; syst. training specialist, Rand Corp. 54-55; ops. analyst, Martin Corp. 56-60; mem. staff planning & mgt., Int. Bus.

Mach. Corp, 60-63; syst. scientist, Syst. Develop. Corp, 63-65; EXEC. V.-PRES, TECHNOMICS, INC, 66- Instr, Denver, 50-51. Consult, City of New York, 66-67. U.S.A.A.F, 42-45, T/Sgt. Fel. Psychol. Asn; Pub. Health Asn. System analysis in urban government; public health; health delivery modes; management. Publ: Co-auth, Health Care delivery in New York City, Praeger, 68. Address: 16943 Dulce Ynez Lane, Pacific Palisades, Calif. 90272.

PARKS, PRES. WILLIAM ROBERT, b. Lincoln Co, Tenn, Oct. 13, 15; m. 40; c. 2. POLITICAL SCIENCE, ECONOMICS. B.A, Berea Col, 37, LL.D, 66; M.A, Kentucky, 38; Ph.D.(polit. sci), Wisconsin, 48. Agr. economist, bur. agr. econ, U.S. Dept. Agr, 40-48; prof. govt, Iowa State, 48-58; agr. econ, Wisconsin, 58-58; dean of instr, IOWA STATE, 58-61, v.pres. acad. affairs, 61-65, PRES, 65- Consult, Missouri Basin Surv. Cmn, 52; U.S. Dept. Interior, 52; Tenn. Valley Authority, 58-58. U.S.N, 43-46, Lt.(jg). Polit. Sci. Asn; Agr. Econ. Asn. Political economy of agriculture; public administration. Publ: Soil conservation districts in action. Address: Room 117, Beardshear Hall, Iowa State University, Ames, Iowa 50010.

PARL, DR. BORIS, b. Turi, Estonia, May 20, 19; m. 48; c. 2. BUSINESS STATISTICS, ECONOMICS. LL.B, Univ. Tartu, 42; B.Ec, Stockholm Sch. Econ, 52; M.B.A, Northwestern, 53, Danforth Found. fel, 59-60, Ph.D.(mkt), 60. Secy. soc. security, Estonian Dept. Interior, 42-43; head planning dept, Uplandproducer, Upsala, Sweden, 45-47; res. assoc. econ. res, Swedish Royal Dept. Commerce, 48-51; res. assoc. Wash. Sch. Psychiat, 48-49; instr. psychiat, Hopkins, 51-53; res. clin. psychologist, NAT. INST. MENT. HEALTH, 53-58, CHIEF SECT. PERSONALITY, LAB. PSYCHOL, 58- Mem. faculty, Wash. Sch. Psychiat, 59- U.S.A, 42-46; U.S.P.H.S.R, 53-, Lt. Comdr. Psychol. Asn; Group Psychother. Asn. Process of individual and group therapy; creative problem solving; personality theory. Publ: Advances in analytic group psychotherapy, Basic Books; co-auth, Personality characteristics of the potentially creative scientist, Grune, 65; auth, Goals in psychotherapy: mediating and ultimate, Meredith, 67. Address: Clinical Center, National Institute of Mental Health, Bethesda, Md. 20014.

PARLOFF, DR. MORRIS B(ERNARD), b. Cleveland, Ohio, Oct. 29, 18; m. 42; c. 2. CLINICAL PSYCHOLOGY. A.B, Western Reserve, 40, U.S. Pub. Health Serv. fel, 50-51, Ph.D.(psychol), 53; M.A, Chicago, 42. Psychiat. soc. worker, D.C. Varo, 46-48; res. assoc. Wash. Sch. Psychiat, 48-49; instr. psychiat, Hopkins, 51-53; res. clin. psychologist, NAT. INST. MENT. HEALTH, 53-58, CHIEF SECT. PERSONALITY, LAB. PSYCHOL, 58- Mem. faculty, Wash. Sch. Psychiat, 59- U.S.A, 42-46; U.S.P.H.S.R, 53-, Lt. Comdr. Psychol. Asn; Group Psychother. Asn. Process of individual and group therapy; creative problem solving; personality theory. Publ: Advances in analytic group psychotherapy, Basic Books; co-auth, Personality characteristics of the potentially creative scientist, Grune, 65; auth, Goals in psychotherapy: mediating and ultimate, Meredith, 67. Address: Clinical Center, National Institute of Mental Health, Bethesda, Md. 20014.

PARMELEE, DR. REXFORD C(LARK), Statist, see 10th ed, Soc. & Behav. Vols.

PARMENTER, DR. GUY NORRIS, b. Wahoo, Nebr, Sept. 12, 20. GEOGRAPHY. B.A, Nebr. Wesleyan, 42; M.A, Clark, 47, Ph.D.(geog), 56. Instr. geog. Kentucky, 57-58; geogr. intel. div. gen. staff, U.S. Dept. Army, 48-49; res. specialist, engr. strategic intel. div. map serv, U.S. DEPT. ARMY, 50-53, res. specialist & supvr. dept. engr. intel, 56-63, geogr. off. chief res. & develop, 63-65, CHIEF RES. DIV. TROPIC TEST CENTER, 65- U.S.A.A.F, 42-45, Sgt. AAAS; Am. Geog. Soc; Asn. Am. Geog. Nonurban land use; military geography; tropical environmental research; tropical microclimates; environmental testing of material. Address: U.S. Army Tropic Test Center, P.O. Drawer 942, Ft. Clayton, C.Z.

PARMER, PROF. C(HARLES) HARRISON, b. Lancaster, Pa, June 26, 10; m. 46. SOCIAL PSYCHOLOGY. B.S, Pa. State, 34, M.Ed, 38, scholar, 40-41, fel, 48-49, Ph.D.(sociol), 53; Bonn, 54-55; Münster & Göttingen, 55; Arizona, 56 & 57; Illinois State, 65. PROF. BEHAV. SCI, BLACKBURN COL, 59- Asn. Aviation Psychol; Psychol. Asn. Experimental analysis of behavior; medical sociology; linguistics and culture. Address: Blackburn College, Carlinville, Ill. 62626.

PARNES, PROF. HERBERT S(AUL), b. Pittsburgh, Pa, Apr. 4, 19; m. 44; c. 3. ECONOMICS. A.B, Pittsburgh, 39, M.A, 41; Ph.D.(econ), Ohio State, 50. Asst. econ, Pittsburgh, 39-42, instr, 46-47; OHIO STATE, 47-50, dir. manpower res, 50-51, asst. prof. ECON, 51-53, assoc. prof, 53-57, PROF, 58- Vis. assoc. prof, Princeton, 54-55. Consult, Orgn. Econ. Coop. & Develop, Paris, 61-62. U.S.A, 42-46. Econ. Asn; Indust. Rels. Res. Asn. Labor market analysis; trade unionism; human resource development planning. Publ: Research on labor mobility; Forecasting educational needs for economic and social development, Orgn. Econ. Coop. & Develop, Paris, 62; co-auth, The reluctant job changer, Univ. Pennsylvania, 62. Address: 302 E. Beaumont Rd, Columbus, Ohio 43214.

PARNES, PROF. SIDNEY J, b. Pittsburgh, Pa, Jan. 5, 22; m. 46; c. 2. MANAGEMENT, EDUCATION. B.S, Pittsburgh, 46, M.Ed, 50, Ph.D.(gen. & voc. ed), 54. Field supvr. distributive ed, Univ. Pittsburgh, 50-56; dir. creative ed, State Univ. N.Y. Buffalo, 56-67, PROF. CREATIVE STUDIES, STATE UNIV. N.Y. COL. BUFFALO, 67- U.S. Off. Ed. res. grant, 63-66. Dir. creative prob. solving inst, State Univ. N.Y. Buffalo, 56-; pres, Creative Ed. Found, 67- Sig.C, U.S.A, 43-45. Nat. Soc. Study Commun. Creative education, problem-solving and studies. Publ: Co-ed, A source book for creative thinking, 62 & auth, Creative behavior guidebook, 67 & Creative behavior workbook, 67, Scribner. Address: Cassety Hall, State University of New York College at Buffalo, 1300 Elmwood Ave, Buffalo, N.Y. 14222.

PARRIS, DR. HOWARD L, b. Polk Co, Ga, Feb. 13, 17; m. 46; c. 2. PSYCHOLOGY. A.B, Piedmont Col, 38, M.A, Southern California, 47; Ph.D. (psychol), Ohio State, 51. Personal affairs officer, U.S. Air Force, 45-46, res. psychologist, 47-49, dept. dir. personnel res. lab, human factors ops. res. labs, 51-53, chief personnel eval. br, career develop. div, hg, 54-57, liaison officer, nat. manpower coun, Columbia, 57-58, chief behav. sci. lab, aerospace med. res. labs, Wright-Patterson Air Force Base, Dayton, 58-63; mgr. human factors dept, Philco-Houston Ops, Tex, 63-64; supvr. human factors eng. group, Lockheed Missiles & Space Co, Calif, 64-65, MGR. PER-

SONNEL SUBSYSYS. ENG. DEPT, LOCKHEED-GA. CO, MARIETTA, 65- Mem. training adv. cmt, Nat. Security Indust. Asn, 67- U.S.A.F, 41-63, Col. Psychol. Asn; Human Factors Soc. Personnel selection and evaluation; student personnel; job analysis. Publ: Comparative study of forced-choice and check list ratings of Air Force R.O.T.C. instructors; Military manpower problems as seen by the defense establishment; Issues in military manpower policy. Address: 7175 Dunhill Terr, Atlanta, Ga. 30328.

PARRISH, PROF. CHARLES H(ENRY), Sociol, see 10th ed, Soc. & Behav. Vols.

PARRISH, DR. JACK A(LBERT), b. Ft. Madison, Iowa, Dec. 14, 21; m. 48; c. 1. INDUSTRIAL & PERSONNEL PSYCHOLOGY. B.A, Coe Col, 47; M.A, Ohio State, 48, Ph.D.(psychol), 58. Res. psychologist, personnel res. br, U.S. Dept. Army, 50-59; assoc. psychologist, Dunlap & Assocs, Inc, D.C, 59-60, Conn, 60-62, sr. psychologist, 62-63; sr. res. scientist, Litton Data Sys. Div, Litton Indus. Calif, 63-66; CHIEF PROJ. RES, MISSILES & SPACE SYSTS. DIV, DOUGLAS AIRCRAFT CO, INC, 66- U.S.N, 43-46, Lt. Human Factors Soc; Psychol. Asn. Human factors research; systems evaluation; leadership selection; personnel research and requirements. Address: 28510 Cedarbluff Dr, Palos Verdes Peninsula, Calif. 90274.

PARRISH, PROF. JOHN B(ISHOP), b. Decatur, Ill, June 7, 11. LABOR ECONOMICS. A.B, Illinois, 34, Ph.D, 38. Asst. prof. ECON, Southern Illinois, 39-42; assoc. prof, ILLINOIS, URBANA, 47-55, PROF, 55- Prin. economist, Nat. War Labor Bd, 42-44; regional dir, U.S. Bur. Labor Statist, 44-47. Econ. Asn. Publ: Co-auth, Labor problems of American society, Houghton, 846, 52; auth, Professional womanpower as a national resource, Quart. Rev. Econ. & Bus, Vol. 1, 1: 54-63, 2/61; Rise of economics as an academic discipline: the formative years to 1900, South. Econ. J, Vol. XXXIV, 1: 1-16, 7/67. Address: 191 Commerce West, University of Illinois, Urbana, Ill. 61803.

PARRISH, ROBERT H(ENRY), b. Columbia, S.C, Mar. 5, 18; m. 50; c. 4. ECONOMICS, STATISTICS. A.B, Duke, 48; M.B.A, N.Y. Univ, 54. From statistician to dir. adv. & mkt. res, Miles Labs, Inc, 54-60; dir. mkt. res, Richardson Homes Corp, 60-66; PRES, MICHIANA MKT. RES, 67- Instr. dept. bus, Goshen Col. U.S.A, 41-45. Statist. Asn; Mkt. Asn. Marketing. Address: 2900 Calumet Ave, Elkhart, Ind. 46514.

PARRY, PROF. DOUGLAS F(ARLOW), b. Salt Lake City, Utah, Feb. 25, 13; m. 41. EDUCATIONAL PSYCHOLOGY. B.A, Utah, 37, M.A, 38; Ph.D.(psychol. & ed), Syracuse, 42. Instr. psychol, Syracuse, 40-42; clin. psychologist, bur. child guid, Southern Illinois, 42-43; asst. prof. ed, Wisconsin, 46-50; assoc. prof, Drake, 50-53, prof, 53-56; prof. ed. & psychol. & dir. remedial serv, Agr. & Mech. Col, Tex, 56-67; PROF. ED, ARMSTRONG STATE COL, 67- U.S.A, 43-46. Psychology as applied to educational practices. Address: Dept. of Education, Armstrong State College, Savannah, Ga. 31406.

PARRY, PROF. HUGH JONES, b. London, Eng, Mar. 10, 16; nat; m. 41, 61; c. 3. BEHAVIORAL SCIENCE. A.B, Yale, 37; M.A, Columbia, 39; Ph.D, Southern California, 49. Chief res, intel. & anal. br, U.S. War Dept, 41-42; assoc. prof. sociol. & psychol. & dep. dir. opinion res. center, Denver, 47-49; dir. troop attitude res. div, European Command, U.S. Dept. Army, 50-52; proj. dir, reactions anal. staff, Off. High Cmn. Germany, 52-54; res. analyst, off. res. & intel, U.S. Info. Agency, 55-56; res. officer, Am. Embassy, Paris, France, 56-58; chief west. European res. off. res. & anal, U.S. Info. Agency, 58-61, surv. dir, 61-66; PROF. SOCIOL. GEORGE WASHINGTON & DIR. PSYCHOTROPIC DRUG ACQUISITION & USE PROJ, SOC. RES. GROUP, 66- Lectr, overseas training prog, sch. int. serv, American Univ, 59-; For. Serv. Inst, 60- U.S.N, 42-46, Lt. Sociol. Asn; Soc. Study Social Probs; Hist. Asn; Am. Asn. Pub. Opinion Res; Acad. Polit. & Soc. Sci; World Asn. Pub. Opinion Res. International communication; psychological intelligence; propaganda analysis and evaluation; opinion and attitude research; acquisition and use of psychotropic drugs. Publ: Co-auth, Public opinion in western Europe, U.S. High Cmn. Germany, 53; contrib, Public opinion and propaganda & American sexual behavior. Address: 4814 Falstone Ave, Chevy Chase, Md. 20015.

PARRY, DR. J(OHN) T(REVOR), Geog, see 11th ed, Phys. & Biol. Vols.

PARRY, REV. STANLEY JOSEPH, C.S.C, Polit. Sci, see 10th ed, Soc. & Behav. Vols.

PARSLEY, DR. K(ENNETH) M(cKAY), JR, b. Youngstown, Ohio, Mar. 13, 23; m. 50; c. 5. EDUCATIONAL PSYCHOLOGY & ADMINISTRATION. A.B, Western Reserve, 50, M.A, 60, Ph.D.(psychol), 61. Mgt. trainee, Union Commerce Bank, 49-50; sales rep, Elec. Storage Batry Co, 50-51; intern psychologist, Rocky River Bd. Ed, 51-52; intern staff psychologist, Cleveland State Hosp, 52-53; personnel officer, Warner & Swasey Co, 53-54; v.pres. & treas, Parton-Parsley Co, 54-57; res. & staff psychologist, Willoughby Eastlake Bd. Ed, 57-60; assoc. prof. ed. psychol, Alabama, 60-65; BR. CHIEF ED. ADMIN, U.S. OFF. ED, 65- U.S.A, 43-45. Planning; cognitive theory. Address: Division of State Agency Cooperation, Room A 4055, 400 Maryland Ave, S.W, Washington, D.C. 20002.

PARSON, DANIEL, b. New York, N.Y, Nov. 16, 21; m. 49. ECONOMICS, STATISTICS. B.B.A, City Col. New York, 42; M.B.A, N.Y. Univ, 52. Dir. bur. statist, Am. Gas Asn, 44-60; mgr. econ. & rate res, NORTH. ILL. GAS CO, 60-64, asst. to v.pres, 64-67, DIR. CORP. PLANNING, 67- Chmn. mkt. res. cmt, Am. Gas Asn, 65-67. Econ. Asn; Acct. Asn; Finance Asn; Asn. Bus. Econ. Public utilities; business activity and administration; energy usage; consumer purchasing characteristics. Address: Northern Illinois Gas Co, P.O. Box 190, Aurora, Ill. 60507.

PARSON, PROF. RUBEN L(EROY), b. Battle Lake, Minn, May 3, 07; m. 40; c. 3. GEOGRAPHY. B.Ed, Moorhead State Teachers Col, Minn, 23; M.A, Clark, 34, Ph.D.(geog), 43. Airways observer, U.S. Weather Bur, 31-32; jr. geogr. Tenn. Valley Authority, 35-36; jr. soil surveyor, soil conserv. serv, U.S. Dept. Agr, 36; consult. geogr. & land planner, Nat. Res. Cmt. & State Planning Cmn, Miss, 37-39; head dept. geog, Ala. State Teachers Col, Troy,

39-41; coordinator & ground instr. Civil Aeronaut. Admin, 40-41; prof. geog. & head dept. E.Tenn. State Col, 46-58; PROF. earth sci. Northern Illinois, 58-67; GEOG. ST. CLOUD STATE COL, 67- Ed. Bull. Ill. Geog. Soc, 66-67. App. Ky. Col, 66; cert. of appreciation, Am. Forest Prod. Indus., Inc, 66; cert. of recognition, Northern Illinois, 67. U.S.A.F., 41-46, 51-53, Lt. Col. Asn. Am. Geog. Soc; Soil Conserv. Soc; Wilderness Soc; Conserv. Ed. Asn; Nat. Coun. Geog. Ed; Nat. Parks Asn; Polar Soc. Resource use and conservation; agricultural geography and land use; political and military geography. Publ. Ed. Conserving American resources, 56, 2nd ed, 64; auth. Geography and resource management, J. Geog; ed. Progress report, Mississippi planning. Address: 725 N. Park Place, St. Cloud, Minn. 56301.

PARSONS, DR. ANNE, Soc. Anthropol. see 10th ed, Soc. & Behav. Vols.

PARSONS, PROF. BURKE A(DRIAN), b. Gilmer, Tex, Dec. 8, 10; m. 50. ECONOMICS. B.S., Oklahoma, 49, M.B.A., 50; Ph.D.(econ), Texas, 58. Teacher, pub. schs, Okla, 45; from instr. to assoc. prof. bus. admin. Tex. Col. Arts & Indust, 50-59; PROF. ECON. & DIR. BUR. BUS. & ECON. RES. BAYLOR, 59- Consult, Tex. State Hwy. Dept. & City of Waco, 65; Cent. Tex. Econ. Develop. Dist, 67- A.U.S., 44-46, S/Sgt. Finance Asn; Econ. Asn. Economic analysis of urban and other small areas. Publ. The post-war inflation cycle in the United States: example and interpretation, Baylor Bus. Studies, 12/60; Economic factors affecting development of the Waco area, In: Waco urban transportation plan, Vol. 2, Tex. State Hwy. Dept, 65; Credito Bancario Americano e cicli economici Britannici nel periodo 1815-1840, Rivista Internazionale di Scienze Economiche e Commerciali, 12/66. Address: Dept. of Economics, Baylor University, Waco, Tex. 76706.

PARSONS, C(HARLES) G(RAHAM), b. Minneapolis, Minn, Dec. 8, 06; m. 28; c. 2. ECONOMICS, MARKETING. B.S., Iowa State, 30, M.S., 32. Proj. & asst. chief engr, Iowa Relief Admin, 33-35; proj. planning engr. & state statistician, Works Progress Admin, Iowa, 35-42, dir. statist. div, 42-43; economist & head progr. planning stove rationing, Off. Price Admin, 43-45; chief economist, elec. sect, 45-46; statistician, Off. Housing Expediter, 46-47; U.S. Bur. Census, 47-51; chief economist, mach. br., Off. Price Stabilization, 51-52; sr. mkt. res. analyst, Gen. Elec. Co, 52-60, specialist sales anal. & measurement, elec. utility sales oper, 60-61, sys. programmer, mil. commun. dept, 61-64; statistician, Defense Fuel Supply Center, Wash, D.C., 64-66; SUPVY. ECONOMIST, BUR. LABOR STATIST, 66- Econ. Asn; Mkt. Asn. Marketing research and administration; business economics and forecasting; pricing problems and relationships. Address: 8416 Conover Place, Alexandria, Va. 22308.

PARSONS, DR. EDGAR A(LLEN), b. Akron, Ohio, Jan. 7, 20; m. 47; c. 4. ECONOMICS. B.Sc., Akron, 46; Ph.D., Cornell, 50. Asst. prof. corp. finance & indust. rels, Cornell, 49-50; intel. specialist, directorate intel. U.S. Dept. Air Force, 50-54; planning officer, Fed. Civil Defense Admin, 54-58; dir. econ. res. div, Exec. Off. of President, Off. Civil & Defense Mobilization, 58-60; HEAD, OPERS. RES. & ECON. DIV. RES. TRIANGLE INST, DURHAM, 61- U.S.A., 42-46, 1st Lt. Econ. Asn; Econ. Hist. Asn; Pub. Health Asn; Transportation Res. Forum. Documentation; computers; capabilities and economics of military strategy and national defense; industrial relations; corporation finance. Address: 1913 Lake Shore Dr, Chapel Hill, N.C. 27514.

PARSONS, DR. FRANCES H(OLSOPPLE), Psychol, see 10th ed, Soc. & Behav. Vols.

PARSONS, DR. HENRY McILVAINE, b. Lenox, Mass, Aug. 31, 11; m. 38, 49, 57; c. 1. EXPERIMENTAL PSYCHOLOGY, HUMAN FACTORS. B.A., Yale, 33; M.A., Columbia, 47; Ph.D.(exp. psychol), California, Los Angeles, 63. Reporter, New York Herald Tribune, 35-42; organizer, Newspaper Guild New York, 42; lectr. psychol, Columbia, 49-51, supvr. electronics res. labs, 52-56; group leader human factors, missiles eng. dept, Douglas Aircraft Co, Calif, 57-58; sr. human factors scientist, Syst. Develop. Corp, 58-68, head sys. personnel br, 60-64, mgr. human factors tech, 65-67. Pres, Psychol. Res. Assocs. Corp, 52-56; mem. bd. dirs, Lynwood Children's Center, Elliott City, Md, 67- Consult, Douglas Aircraft Co, Calif, 56-57; Off. Naval Res, 64-65, Bur. Naval Personnel, 65; Am. Insts. Res, 66-; Syst. Develop. Corp, 68-; Nat. Res. Coun, 68- Mem. sci. writers' award cmt, Am. Psychol. Found, 67-; adv. cmt. non-rail transit, Nat. Res. Coun, 67-68. U.S.N.R., 42-45, Lt. Comdr. Fel. Psychol. Asn; Human Factors Soc.(managing ed, 64-67, pres, 68-69); Inst. Elec. & Electronics Eng; Sci. Res. Soc. Am; N.Y. Acad. Sci. Operant conditioning; avoidance and escape; large-scale man-machine system experiments; human engineering in data processing systems; team and system training. Address: 1200 N. Nash St, Arlington, Va. 22209.

PARSONS, PROF. JAMES JEROME, b. Cortland, N.Y., Nov. 15, 15; m. 42; c. 3. GEOGRAPHY. A.B., California, 37, M.A., 39, Ph.D.(geog), 48; hon. Dr., Antioquia, Colombia, 65. Instr. GEOG. CALIFORNIA, BERKELEY, 46-48, asst. prof, 48-53, assoc. prof, 53-59, PROF, 59-, chmn. dept, 60-66. Gugenheim fel, 59-60. U.S.A.A.F., 44-45, Maj. Fel. Geog. Soc; hon. mem. Colombian Acad. Hist. Historical geography of Latin America; geographical distribution of manufacturing; geography of the tropics. Publ. Antioqueno colonization in Western Colombia; San Andres and Providencia; The green turtle and man. Address: Dept. of Geography, University of California, Berkeley, Calif. 94720.

PARSONS, PROF. JAMES W(ILSON), JR., b. Mansfield, La, Mar. 11, 26; m. 48; c. 1. ACCOUNTING. B.S., La. State, 48; M.B.A., 49, Ph.D.(statist), 55. Instr. bus. admin. La. State, 49-55; assoc. prof. acct. & statist, BAYLOR, 55-58, PROF. ACCT, 59- U.S.A.A.F. Acct. Asn. Statistical quality control; income taxation. Publ. Theory and application of statistical quality control to problems of a nonmanufacturing nature; Accounting for law offices. Address: Hankamer School of Business, Baylor University, Waco, Tex. 76703.

PARSONS, DR. JEFFREY ROBINSON, b. Washington, D.C., Oct. 9, 39; m. 68. ANTHROPOLOGY. B.S., Pa. State, 61; M.A., Michigan, 63, Ph.D.(anthrop), 66. ASST. PROF. ANTHROP, MICHIGAN, 66- Soc. Am Archaeol; Anthropol.

Asn. Developmental processes and patterns in the evolution of early civilizations, especially in Middle and South America; use of archaeological methodology in making interpretations. Publ: Co-auth, Prehispanic obsidian mines in Southern Hidalgo, Mexico, 67, auth, The archaeological significance of Mahamaes cultivation on the coast of Peru, 68 & An estimate of size and population for Middle Horizon Tiahuanaco, Bolivia, 68, Am. Antiq. Address: Museum of Anthropology, University of Michigan, Ann Arbor, Mich. 48104.

PARSONS, PROF. KENNETH H(ERALD), b. Kokomo, Ind, July 20, 03; m. 31; c. 2. AGRICULTURAL ECONOMICS. A.B., Butler, 28; Chicago, 39-40; Ph.D., Wisconsin, 40. Asst. prof. AGR. ECON, WISCONSIN, 37-40, assoc. prof, 40-46, PROF, 46- Economist, div. econ. & statist, Food & Agr. Orgn, U.N., 47; chief plans & progs. sect, div. food & agr. off. spec. rep, Econ. Coop. Admin. France, 49-50. Consult, Wage Stabilization Bd, 51; India Planning Cmn, 52; overseas consult, agr. econ, Ford Found, 58-59; consult, Int. Coop. Admin, 61; Econ. Cmn. Latin Am, UN, 61. Mem. res. adv. cmt, Agency Int. Develop, 62-65; U.S. del. UN Conf. Appln. Sci. & Tech. for Benefit of Less Develop. Areas, Geneva, 63; mem, Int. Conf. Agr. Econ. Econ. Asn; Soc. Int. Develop; Agr. Econ. Asn.(v. pres, 49). Economic development; agricultural policy. Publ: Ed, Land tenure; auth, Logical foundations of economic research; Institutional aspects of agricultural development policy, J. Farm Econ, 12/66. Address: Dept. of Agricultural Economics, University of Wisconsin, Madison, Wis. 53706.

PARSONS, DR. LEE A(LLEN), b. Wausau, Wis, June 15, 32; m. 56; c. 2. ANTHROPOLOGY. B.A., Beloit Col, 54, Wenner-Gren Found. fel, 57-58, univ. fel, 58-59; A.M., Harvard, 58, Nat. Sci. Found. grant, 61-63, Ph.D.(anthrop), 64. Asst. curator anthrop, Milwaukee Pub. Mus, 59-64, assoc. curator, 64-68; CURATOR OF COLLECTIONS, PEABODY MUS, HARVARD, 68- Collab. Sem. of Mayan Culture, 64; prin. investr, Nat. Geog. Soc. grant, 68-69. Soc. Am. Archaeol; fel. Anthropol. Asn. Middle and South American archaeology; museology; primitive art; archaeological field work in southern Guatemala; origins and stylistic development of monumental stone sculpture. Publ: Bilbao, Guatemala: an archaeological study of the Pacific Coast Cotzumalhuapa Region, Milwaukee Pub. Mus, 67; Boulder sculpture of the Pacific Coast of Guatemala, Archaeology, Vol. 18, No. 2; An early Maya Stela on the Pacific Coast of Guatemala, Studies of Mayan Culture, 66. Address: Peabody Museum, Harvard University, Cambridge, Mass. 02138.

PARSONS, PROF. MALCOLM B(ARNINGHAM), b. Greenville, Mich, Oct. 29, 19; m. 50; c. 1. POLITICAL SCIENCE. B.A., Arizona, 46, fel, 46-47, M.A., 47; Ph.D.(polit. sci), Illinois, 50. Asst. Illinois, 47-49; instr. GOVT, Oklahoma, 49-50, asst. prof, 50-51; FLA. STATE, 51-53, assoc. prof, 53-57, PROF, 57-, CHMN. DEPT, 63- Vis. prof, Philippines, 55-56. U.S.A., 42-45. Polit. Sci. Asn; Soc. Pub. Admin. Public administration; American government. Publ: Use of the licensing power by the city of Chicago; co-auth, Government services in the Philippines; ed, Perspectives in the study of politics, Rand McNally, 68. Address: Dept. of Government, Florida State University, Tallahassee, Fla. 32306.

PARSONS, PROF. M(ELVIN) GODFREY, b. St. Louis, Mo, Apr. 25, 24; m. 48; c. 1. MARKETING, BUSINESS MANAGEMENT. B.S. & M.S., Missouri, 50. Personnel analyst, classification div, U.S. Dept. Air Force, Ill, 50-52, orgn. & methods exam, 52-53; statist. analyst, mkt. res. div, Eli Lilly & Co, 54; asst. prof. bus. mgt, Illinois, Urbana, 54-64; assoc. prof. mkt, Missouri, Columbia, 64-67; PROF. MKT. & DIR. BUR. BUS. SERV. & RES, EASTERN MICHIGAN, 67- Consult, Nat. Trade Assn. U.S.A.A.F., 42-43. Econ. Asn; Statist. Asn; Mkt. Asn; Nat. Coun. Small Bus. Mgt. Community development; statistical methods; national trade associations. Address: 1302 Whittier, Ypsilanti, Mich. 48197.

PARSONS, DR. MERTON S(TANLEY), b. South Paris, Maine, Nov. 1, 07; m. 36; c. 3. AGRICULTURAL ECONOMICS. B.S., Maine, 29, M.S., 31; Ph.D., Cornell, 37. Agr. economist, Maine, 29-34; asst. agr. econ, Cornell, 34-37; AGR. ECONOMIST, Farm Credit Admin, 37-39; U.S. DEPT. AGR, 39- Agr. Econ. Asn. Agricultural economics, especially farm mechanization. Publ: Bulk handling of milk; its economy to farmers, Farm machinery: survey of ownership and custom work & co-auth, Farm machinery: use, depreciation, replacement, U.S. Dept. Agr. Bull. Address: 4100 Orchard Dr, Fairfax, Va. 22030.

PARSONS, PROF. OSCAR A(LBERT), b. Glendora, N.J., Mar. 19, 20; m. 49; c. 3. PSYCHOLOGY. B.A. & M.A., Temple, 48; U.S. Pub. Health Serv. fel, Duke, 49-51, Ph.D.(psychol), 54. Res. psychologist, Worcester State Hosp, Mass, 51-54; asst. prof. psychol, Duke, 54-58, assoc. prof. psychol. & med. psychol, 58-59, assoc. med. psychol, med. center, 54, asst. prof, 55-58; PROF. PSYCHOL, OKLAHOMA, 59-, MED. PSYCHOL, MED. CENTER, 59-, DIR. DIV. BEHAV. SCI, DEPT. PSYCHIAT, NEUROL. & BEHAV. SCI, 61-, BIOL. PSYCHOL. PH.D. PROG, 66-, PSYCHOLOGIST-IN-CHIEF, UNIV. HOSP, 59. Fulbright lectr, Copenhagen Univ, 66-67. Consult, Durham Vet. Admin. Hosp, N.C.; N.C. State Hosp, Raleigh, 58-59; Oklahoma City Vet. Admin. Hosp, 59- U.S.N.R., 44-45. AAAS; Acad. Neurol; Soc. Psychophysiol. Res; Psychol. Asn; Int. Neuropsychol. Soc. Neuropsychology; personality and stress research; behavioral science teaching in medical schools. Publ: Co-auth, Localization of brain lesions by flicker perimetry, Cortex, 66; Pursuit-rotor performance in the brain-damaged, J. Abnorm. Psychol, 65; The "coronary personality", Psychosomatic Med, 67. Address: Dept. of Psychiatry, Neurology & Behavioral Sciences, University of Oklahoma, Oklahoma City, Okla. 73104.

PARSONS, PROF. ROBERT T(HOMAS), b. Dayton, Ohio, Sept. 27, 04; m. 28; c. 2. CULTURAL ANTHROPOLOGY. A.B., Ind. Cent. Col, 26; B.D., Bonebrake Theol. Sem, 29; A.M., Cornell, 37; Ph.D., Hartford Sem. Found, 40. Prof. rural sociol, Union Col.(W.Africa), 37-39; PROF. AFRICAN CULTURE, HARTFORD SEM. FOUND, 46-, FACULTY CHMN, 61-, acting dean, 47-48, dean, 49-61. Carnegie grant, Africa, 52-53; lectr, inst. int. studies, Hopkins, 54; Fulbright res. fel, Univ. Col. Ghana, 55-56. Anthropol. Asn. Function of religion in African society; African ideas of God; African misology and ethnology. Address: Hartford Seminary Foundation, Hartford, Conn. 06105.

PARSONS, DR. RONALD J(OHN), b. Woodford, Wis, June 2, 31; m. 56; c. 3. PSYCHOLOGY. A.B. East Nazarene Col, 53; M.A. Pasadena Col, 58; Ph.D. (psychol), Boston, 68. ASSOC. PROF. PSYCHOL. MO. VALLEY COL, 65-Psychol. consult, Mo. Valley Human Resources Develop. Corp, Off. Econ. Opportunity, 66-Psychol. Asn. Individual differences in cognitive development and functioning. Publ: Perceptual selectivity and information processing by fast and slow learners in paired-associate learning, *Perception & Psychophys*, 68. Address: Dept. of Psychology, Missouri Valley College, Marshall, Mo. 65340.

PARSONS, DR. STUART O(VERTON), b. Denver, Colo, Aug. 11, 26; m. 55; c. 3. INDUSTRIAL PSYCHOLOGY. A.B. Colorado, 48; A.M. Southern California, 50, Ph.D. 58. Test technician personnel res. Colo. Merit Syst. Coun, 47-48; personnel technician govt. personnel, City & County of Denver, 50-51; res. technician, Psychol. Serv. Inc, Calif, 51-53; testing res. specialist, LOCKHEED AIRCRAFT CORP, 54-56, indust. rels. analyst, 56-57, mgt. selection rep, MISSILES & SPACE CO, 57-59, eng. psychologist human factors, 59-65, MGR. HUMAN FACTORS ENG, 65- Asst. prof, San Jose State Col, 64- U.S.N. 44-46; U.S.A.F.R. 50-. Maj. Human Factors Soc.(secy-treas, 66); assoc.fel, Inst. Aeronaut. & Astronaut. Human factors management; teaching. Publ: Co-auth, Display systems design, *Mach. Design*, 11/63; 17 ways to stop control accidents, *Control Eng*, 11/64; Sensory discrimination and attitudes toward water reclaimed from urine, *Aerospace Med*, 9/67. Address: ORG, 62-70 Bldg. 104, Lockheed Missiles & Space Co, Sunnyvale, Calif. 94088.

PARSONS, PROF. TALCOTT, b. Colorado Springs, Colo, Dec. 13, 02; m. 27; c. 3. SOCIOLOGY. A.B. Amherst Col, 24, hon. L.H.D., 49; London Sch. Econ, 24-25; Dr. Phil.(sociol, econ), Heidelberg, 27; hon. A.M. Harvard, 38; hon. Dr. Rer. Pol, Cologne, 63; hon. LL.D. Chicago, 67. Instr. econ, HARVARD, 27-31, SOCIOL, 31-36, asst. prof, 36-39, assoc. prof, 39-44, PROF, 44-, chmn. dept. soc. rels, 46-56. Fel, Center Adv. Study Behav. Sci, Stanford, 57-58; Guggenheim fel, 66-67. Sociol. Asn.(pres, 49, secy, 60-65); Philos. Soc; fel. Am. Acad. Arts & Sci.(pres, 67); Sociological and economic theory; social institutions. Publ: The social system, 51; Theories of society, 61 & Sociological theory and modern society, 67, Macmillan. Address: 330 William James Hall, Harvard University, Cambridge, Mass. 02138.

PARSONS, THOMAS S(AMUEL), b. Niles, Mich, Mar. 24, 24; m. 44; c. 2. EDUCATIONAL PSYCHOLOGY. SOCIOLOGY. A.B. Michigan, 50, Rackham fel. & M.S. 52. Asst. & consult, dept. community & adult ed, Michigan, 51-55, asst. adolescent develop. res. prog, 51-54, instr. psychol. of child develop, sch. ed, 53-63, ed. sociol, 54-64, ed. psychol, 55-63, res. assoc, 58-63; res. dir, Chicago Joint Youth Develop. Cmt, 63-64; C.S. Mott Found, 64; prog. dir, indust. rels. center, Univ. Chicago, 64-65; ASSOC. DEAN PUB. SERV, HUMBOLDT STATE COL, 67- Owner, Community Ed. Assocs, 65-Spec. consult, U.S. Off. Econ. Opportunity, 64-; U.S. Off. Ed, 65-; consult, Proj. Upward Bound, 65-; Wash. State Adv. Coun. Higher Ed, 66; DePaul, 66; Southern Illinois, 66-67; Northeast. Ill. State Col, 67; spec. consult, President's Cmt. Manpower, 67. Trustee, Park Forest Col, 65- U.S.A.A.F, 42-45. AAAS; Psychol. Asn; Sociol. Asn; Soc. Psychol. Study Social Issues; Nat. Community Sch. Ed. Asn. Home-school-community relations; instructional efficiency at the college level; community development, planning and organization; designing educational and employment opportunities for the economically disadvantaged; organization of community schools; community education. Publ: A mental health paradox, In: *Mental hygiene: a test of readings; A model for analyzing small group properties pertinent to planned change*, In: *The planning of change: readings in the applied behavioral sciences*, 61; And so, my friend have we!, *Idea Exchange*, 67. Address: Humboldt State College, Arcata, Calif. 95521.

PARSONS, DR. WILLIAM W(ALTER), b. Los Angeles, Calif, June 18, 12; m. 35; c. 3. OPERATIONS ANALYSIS, PUBLIC ADMINISTRATION. B.S., Southern California, 35; fel. & M.S. Syracuse, 38; American Univ, 41-42; LL.D. Southeastern, 57. Mem. field staff, Regents' Ed. Inquiry, N.Y., 36; field consult, Pub. Admin. Serv, Chicago, Ill, 37-40; spec. asst. State Dept. Ed, N.Y., 40-41; exam, U.S. Bur. Budget, 41-44; dep. dir. mgt. procurement div, U.S. Dept. Treas, 44-45, tech. asst. off. secy, 45-46, admin. asst. to secy, 46-59; V.PRES. SYST. DEVELOP. CORP, 59- Asst. mgt. adminstr, Econ. Stabilization Agency, 50. Trustee & mem. budget cmt, United Community Serv, 49-52. Mem. exec. cmt, Community Chest Fedn, 52-56; United Givers Fund, 56-58; dir, D.C. Chap. Am. Red Cross, 56-58; v.pres, Nat. Capital Area, Health & Welfare Coun, 58-59; exec. cmt, Nat. Acad. Pub. Admin, 67- Soc. Pub. Admin.(pres, 54). Address: System Development Corp, 2500 Colorado Ave, Santa Monica, Calif. 90406.

PARTEN, DR. MILDRED, b. Minneapolis, Minn, Aug. 4, 02; m. 40. SOCIOLOGY. A.B. Minnesota, 23, Laura Spellman scholar. & Ph.D. 29. Asst. prof. sociol, Tex. State Col. Women, 28-29; res. asst, inst. human rels, Yale, 30-34, res. assoc, 34-36; from assoc. dir. to dir. sampling & income anal, study consumer purchases, U.S. Bur. Labor Statist, 36-39; soc. sci. analyst, Pop. Cmt. Study Human Fertility, 40; res. fel, employ. stabilization inst, Minnesota, 41; surv. consult, 41-49; res. assoc. psychol, Rochester, 49-56; RES. & WRITING, 56- Soc. Sci. Res. Coun. fel, 31-32. Public opinion polls; sampling procedures; market research; social play and leadership among pre-school children. Publ: Surveys, polls and samples, *Spanish ed*, 50, U.S. ed, Cooper, 66 & world wide ed, Harper, 66; contrib, *Encyclopaedia Britannica*, 56. Address: Route 1, Long Lake, Minn. 55356.

PARTENHEIMER, DR. EARL J(ULIUS), b. Huntingburg, Ind, Nov. 14, 30; m. 57; c. 3. AGRICULTURAL ECONOMICS. B.S. Purdue, 52, M.S. 56; Ph.D.(agr. econ), Mich. State, 59. Asst. agr. econ, Purdue, 54-56; Mich. State, 56-58; asst. prof. & asst. agr. economist, Auburn, 58-61, assoc. prof. & assoc. agr. economist, 61-65; agr. economist, econ. res. serv, U.S. Dept. Agr, 65-67; ASSOC. PROF. AGR. ECON, PA. STATE, 67- U.S.A. 52-54. Agr. Econ. Asn. Agricultural production economics; farm management. Publ: Executive skills and executive capacity in farm management, *J. Farm Econ*, 12/62; co-auth, Optimum farm organization with different livestock prices, limestone valleys, 4/65 & Implications of allotments on optimum farm organization and supply, 10/65, *Agr. Exp. Sta. Auburn*. Address: Dept. of Agricultural Economics & Rural Sociology, Pennsylvania State University, University Park, Pa. 16801.

PARTHEMOS, PROF. GEORGE STEVEN, b. Charleston, S.C., Dec. 4, 21; m. 47; c. 2. POLITICAL SCIENCE. A.B. Erskine Col, 47; M.A. South Carolina, 50; Ph.D. North Carolina, 53; Georgia, 55. Instr. polit. sci, South Carolina, 48-49; asst, North Carolina, 50-53; instr, GEORGIA, 53-55, asst. prof, 55-58, assoc. prof. polit. sci. & secy. col. arts & sci, 59-62, PROF. POLIT. SCI, 62-, V.PRES. INSTR, 63-, ed. Local Govt. J, 53-58. Rockefeller Found. res. grant, 58. U.S.N. 43-46, Res, 46-, Lt.(jg). Polit. Sci. Asn. Political theory; jurisprudence and public law. Publ: Higher education in a world of conflict; Political perspectives; co-auth, American government: policies and functions. Address: Dept. of Political Science, University of Georgia, Athens, Ga. 30601.

PARTHEMOS, JAMES, b. Abbeville, S.C., Mar. 15, 20; m. 45; c. 3. ECONOMICS. A.B. Erskine Col, 42; M.A. South Carolina, 50; Fulbright scholar, Nat. Univ. Athens, 50-51; Earhart fel, Duke, 54-57. News reporter, State Co, S.C., 45-46; teaching asst. hist, South Carolina, 46-49; asst. prof. econ, Catawba Col, 49-50; Presby. Col.(S.C.), 52-53; South Carolina, 53-54; instr, Duke, 54-57; Tulane, 57-60; assoc. economist, FED. RESERVE BANK, 60-61, economist, 61-62, asst. v.pres, 62-65, V.PRES, 65-, DIR. RES, 67- U.S.N. 42-45, Lt. Econ. Asn; Newcomen Soc. Monetary and banking theory and history; central banking control mechanisms; public policy. Publ: Co-auth, The federal reserve discount window—a bank management tool, Bankers Mag, summer 64 & Administration of the discount function: a comment, *Nat. Banking Rev*, 9/66. Address: Federal Reserve Bank, Ninth & Franklin Sts, Richmond, Va. 23213.

PARTIN, PROF. CHARLES A(RTHUR), b. Cushing, Tex, Mar. 14, 15. ECONOMICS. B.S. Stephen F. Austin State Col, 39; M.A. Texas, 47, univ. fel, 60-61, Ph.D.(econ), 61; Chicago, 48-50. Asst. prof. econ, Southwestern at Memphis, 47-48; Carroll Col.(Wis), 51; chief finance officer, br. off, West. Enterprises, Inc, Formosa, 51-56; asst. prof. econ, Wis. State Col, Superior, 56-59; ECON, New Mexico State, 61-62, assoc. prof, 62-63; PROF, LAMAR STATE COL, 64-, HEAD DEPT, 67- U.S.A.A.F, 42-45, Sgt. Am. Econ. Asn; Asn. Evolutionary Econ; Royal Econ. Soc. International economics; money and banking; public finance; history and development. Address: School of Business, Lamar State College of Technology, Beaumont, Tex. 77704.

PARTINGTON, JOHN E(DWIN), b. Union Springs, N.Y., Nov. 13, 07; m. 38. PSYCHOLOGY. A.B. Earlham Col, 29; M.A. Kentucky, 38; summer, Chicago, 46; Purdue, 59-62. Teacher, Ky. Houses Reform, 30-35; asst. to res. psychologist, U.S. Pub. Health Serv. Hosp, Lexington, 35-40; psychologist, U.S. Employ. Serv, D.C., 40-42; Roanoke Regional Off, Vet. Admin, Va, 46-50; psychologist & ed. specialist, U.S. Naval Exam. Center, Ill, 50-58; RES. PSYCHOLOGIST, U.S. ARMY ENLISTED EVAL. CENTER, 58-, TECH. ADV. TEST DEVELOP, 64-, chief test develop. br, 58-64. Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.A., 42-46, Capt. Psychol. Asn. Achievement and aptitude test development; vocational counseling; psychotherapy. Publ: Comparative mental efficiency of a drug addict group, *J. Appl. Psychol*; Partington's pathways test & Manual for the Leiter-Partington adult performance scale, *Psychol. Serv. Center J.* Address: U.S. Army Enlisted Evaluation Center, Ft. Benjamin Harrison, Indianapolis, Ind. 46249.

PARTNER, JAMES W(ENDELL), b. Spokane, Wash, Aug. 5, 20; m. 54; c. 1. MARKETING. A.B. Washington (Seattle), 42, fel, 42-43, M.B.A., 43. Assoc. Washington (Seattle), 44; instr, Northwestern, 45-47; acting asst. prof. statist. & mkt, Cornell, 47-49, asst. prof, 49-52; mem. staff, Dun & Bradstreet, Inc, 52-57; V.PRES. Audits & Surv. Co, Inc, 57-65; consumer res, Mkt. Serv. Co. Div, Dun & Bradstreet, Inc, 65-66; MKT-EAST, MKT. RES. CORP. AM, 66- Adj. assoc. prof, grad. sch. bus, Pace Col, 64- Mkt. Asn; Econ. Asn. Economic appraisal of vertical integration; proposed involuntary divorcement of the major functional activities of integrated companies in the petroleum industry. Publ: Prefabricated housing industry. Address: Market Research Corp. of America, 122 E. 42nd St, New York, N.Y. 10017.

PARVIN, PROF. D(AVID) W(ODDROW), b. Corinth, Miss, June 28, 17; m. 38; c. 3. ECONOMICS. B.S. Miss. State Col, 38, M.S. 41; Ph.D.(agr. econ), Virginia, 44. Instr. AGR. ECON, MISS. STATE, 38-41, assoc. econ. prof, 43-52, prof, 52-56, HEAD DEPT, 56- Agr. Econ. Asn. Southern agricultural workers; farm management industry. Address: Box 5187, Mississippi State University, State College, Miss. 39762.

PASAMANICK, DR. BENJAMIN, Psychiat, see 11th ed, Phys. & Biol. Vols.

PASCAL, DR. GERALD R(OSS), b. Raritan, N.J., Aug. 3, 07; m. 38; c. 4. PSYCHOLOGY. A.B. California, 40; A.M. Harvard, 42; Ph.D.(psychol), Brown, 48. Extern, Mass. Gen. Hosp, Boston, 41-42; res. personality, psychol. clin, Harvard, 42-43; chief psychologist, Butler Hosp, R.I., 46-49; assoc. prof. psychol, Pittsburgh, 49-52; prof, Tennessee, 52-64; res. prof, sch. med, Mississippi, 64-66; PRACTICING PSYCHOLOGIST, 66- Lectr, Brown, 48-49; res. psychologist, West. State Psychiat. Inst. & Clin, 49-; psychologist, U.S. Army, Maine, 42; Consult, Crippled Children of R.I.; res. consult, dept. surg, Vet. Admin, 59- U.S.A.A.F, 43-46. Fel. Psychol. Asn; fel. Soc. Proj. Tech. & Personality Assessment; Acad. Psychother. Learning theory and psychological treatment; theory in abnormal behavior; psychological factors in duodenal ulcers. Publ: Behavioral change in the clinic; Systematic observation of gross human behavior; co-auth, *Studies of psychological factors in intractable duodenal ulcer patients*, *Psychosomatic*, 67. Address: Medical Tower Bldg, Jackson, Miss. 39216.

PASCHAL, DR. ELIZABETH, b. Spring Hill, Kans. ECONOMICS. B.A. Wellesley Col, 24, M.A. 27; univ. fel, Wisconsin, 31-33, Horton-Hallowell fel. from Wellesley Col, 32-33, Ph.D.(labor econ), 33. Assoc. prof. econ. & sociol, Marietta Col, 27-31; prof. econ, Eureka Col, 33-36; regional dir. consumers' purchase surv, U.S. Dept. Agr, 36-37; lectr. econ, N.J. Col. Women, Rutgers, 37-39; res. economist, Am. Fedn. Labor, 39-42; chief prog. planning br, Bur. Old Age & Survivors' Ins, 42-51; exec. assoc. fund. adv. ed, Ford Found, 51-61, secy, 61-65, assoc. prog. dir, found, 57-65; ED. CONSULT, 65- Econ. Asn; Indust. Rel. Res. Asn. Workers' equity in their jobs; social insurance; education of gifted students. Publ: Encouraging the excellent; contrib, *Campus 1980*, Dell, 68. Address: 569 Patricia Lane, Palo Alto, Calif. 94303.

- PASEK, DR. R(OBERT) L(EWIS), b. Niles, Ill, May 13, 26; m. 53; c. 4. INDUSTRIAL ENGINEERING. B.S. Northwestern, 50, M.S. 51, Ph.D.(prod. eng.), 54. Asst. prof. indust. eng. tech. inst. Northwestern, 53-54, indust. mgt. & personnel, commerce sch, 54-57; with Booz, Allen & Hamilton, 57-58; asst. to v-pres, Cook Res. Lab, 58-59; assoc. dir. adv. res. dept, Sunbeam Corp, 59-65; V-PRES, R.M. SCHMITZ & CO, INC, 65- Consult, 50-57. Ed. Laser Abstracts & Laser Newsletter; Microelectronics Abstracts; Lowry-Cocroft Abstracts, Ill. U.S.A., 44-46. Indust. Mgt. Soc; Phys. Soc; Optical Soc. Am; sr. mem. Inst. Elec. & Electronics Eng. Operations research and automation; industrial statistics; mechanical engineering and physics, especially applied thermoelectricity and ultrasonics. Publ: Evaluation and use of predetermined motion times, Proc. Indust. Mgt. Soc; Optimum machining conditions determined with dynamometer, Machinery. Address: R.M. Schmitz & Co, Inc, Prudential Plaza, Room 2012, Chicago, Ill. 60601.
- PASEWARK, PROF. RICHARD A(RTHUR), b. New York, N.Y., Oct. 21, 27. PSYCHOLOGY. B.S.S. City Col. New York, 49; M.A., N.Y. Univ, 50, Ph.D., 57. Intern. Voc. Serv. Center, 50-51; Conn. State Hosp, 52-53; psychologist, Embreeville State Hosp, Pa, 54-55, sr. psychologist, 55-57; consult. psychologist, div. ment. health, State Dept. Health, Wyo, 57-59, dir; 59-61; assoc. prof. PSYCHOL, WYOMING, 61-67, PROF, 67- Consult, Wyo. State Hosp, 61-; Wyo. Div. Voc. Rehab, 65-67. U.S.N.R., 45-46, 51-52. Psychol. Asn. Community mental health; training in mental health. Publ: Behavior in intellectual deficit, Am. J. Ment. Deficiency. Address: 2114 Thornburgh, Laramie, Wyo, 82070.
- PASHIGIAN, DR. B. PETER, b. Detroit, Mich, June 12, 32; m. 65; c. 1. ECONOMICS. B.A. Wayne State, 54; Ph.D.(econ), Mass. Inst. Tech, 60. Asst. prof. ECON, GRAD. SCH. BUS, CHICAGO, 61-64, ASSOC. PROF, 64- Ford Found. fel, 60-61, faculty fel, 67-68. Economet. Soc; Inst. Mgt. Sci; Econ. Asn. Micro-economic theory; industrial organization; scheduling and horizon problems. Publ: The distribution of automobiles, Prentice-Hall, 61; co-auth, Firm size and rate of growth, J. Polit. Econ, 62; auth, The relevance of sales anticipation in explaining inventory investment, Int. Econ. Rev, 65. Address: Dept. of Economics, University of Chicago Graduate School of Business, Chicago, Ill. 60637.
- PASOUR, DR. ERNEST CALEB, JR, b. Dallas, N.C., Sept. 12, 32; m. 67. ECONOMICS. B.S. N.C. State, 54, M.S. 59; Ph.D.(agr. econ), Mich. State, 63. Res. asst. agr. econ, N.C. State, 57-60; Mich. State, 60-62; economist, U.S. Dept. Agr, 62-63; asst. prof. ECON, N.C. STATE, 63-67, ASSOC. PROF, 67- Nat. Sci. Found. fel, inst. econ. optimization Missouri, summer, 65. U.S.A., 54-56. Econ. Asn; Agr. Econ. Asn. Agricultural economics; price theory; production economics. Publ: Co-auth, Intraseasonal supply and demand functions for apples, Mich. State, 66; auth, An analysis of intraseasonal apple price movements, Agr. Econ. Res, 1/65; co-auth, The effect of length of run on measured demand elasticities, J. Farm Econ, 8/65. Address: 4516 Laurel Hills Rd, Raleigh, N.C. 27609.
- PASSER, DR. HAROLD C(LARENCE), b. Lakefield, Minn, Nov. 27, 21; m. 49; div; m. 66. ECONOMICS. S.B. Harvard, 43, A.M. 48, Soc. Sci. Res. Coun. fel, 48-50, Sheldon summer traveling fel, 49, Ph.D.(econ), 50. Asst. prof. econ, Princeton, 50-52; ECONOMIST, EASTMAN KODAK CO, 52- Lectr, Rochester, 53-55; vis. lectr, Cornell, 55. Consult, cmt. consumer surv. statist, Fed. Reserve Bd, 54-55; mem. econ. adv. bd, U.S. Dept. Commerce, 67-68. U.S.N., 43-46, Lt. Econ. Asn; Statist. Asn; Asn. Bus. Econ. International economics; business cycles; national income analysis. Publ: Electrical manufacturers, 1875-1900; International monetary problems, Bus. Econ, winter 65-66; American economy in perspective, Orientation Economics, 2/67. Address: 133 Imperial Circle, Rochester, N.Y. 14617.
- PASSEY, DR. GEORGE E(DWARD), b. Stratford, Conn, Sept. 28, 20; m. 50. PSYCHOLOGY. B.S. Springfield Col, 42; scholar, Clark, 46-47; M.A., 47; Ph.D., Tulane, 50. Res. assoc, Tulane, 47-50; res. psychologist, U.S. Dept. Air Force, 50-52; asst. prof. psychol, Alabama, 52-55, assoc. prof. & dir. arts & sci. exten. servs, 55-56; res. psychologist, Lockheed Aircraft Corp, 56-57; assoc. prof. psychol, Alabama, 57-59, prof, 59-63; staff scientist, Lockheed-Ga. Co, 63-65; prof. psychol, Ga. Inst. Tech, 65-67; CHMN. DIV. SOC. SCI, ALABAMA, 67- Fulbright lectr, Gujarat Univ, India, 60-61. U.S.N., 42-46, Lt. Fel. Psychol. Asn. Learning; perception; military psychology; psychological refractoriness. Publ: Historical review and advanced conceptual approach to use of perceptual psychomotor tests in air crew selection, 66 & Critical behavioral functions and recommended tests for selection of air crew members, 66, U.S.A.F. Address: 3841 Spring Valley Rd, Birmingham, Ala. 35223.
- PASSIN, PROF. HERBERT, b. Chicago, Ill, Dec. 16, 16; m; c. 1. ANTHROPOLOGY. Scholar, Chicago, 38-39, fel, 39-40, M.A., 41. Instr. anthropol, Northwestern, 41-42; chief pub. opinion & sociol. res, Supreme Comdr. Allied Powers, Japan, 47-52; vis. lectr. anthropol, California, 52; Soc. Sci. Res. Coun. res. fel, Japan, 52-53; res. assoc. sociol. & anthropol, Ohio State, 53-54; Far East rep, Encounter, 54-57; vis. prof. Far East studies, Washington (Seattle), 59-61, assoc. prof, 61-62; PROF. SOCIOL, EAST ASIAN INST, COLUMBIA, 62- Sr. specialist, inst. adv. projs, East-West Center, Univ. Hawaii, 66-67. Consult, int. affairs prog, Ford Found, 60-Mem, Coun. For. Rels, 66- U.S.A., 44-47, 1st Lt. Anthropol. Asn; Asn. Asian Studies. Comparative politics and sociology; caste systems and elite formation; education and development; modernization; sociolinguistic change. Publ: Co-auth, In search of identity; auth, Society and education in Japan, Teachers Col, Columbia, 65; ed, The United States and Japan, Prentice-Hall, 66. Address: East Asian Institute, 510 Kent Hall, Columbia University, New York, N.Y. 10027.
- PASTALAN, DR. LEON ANTHONY, b. Newark Valley, N.Y., Feb. 7, 30; m. 59; c. 2. SOCIOLOGY. B.A. State Univ. N.Y., 53; D.S.S. Syracuse, 61. Asst. prof. soc. sci, Colo. State Col, 59-60; sociol, Hartwick Col, 60-61, assoc. prof. & chmn. dept, 61-63; asst. prof, Toledo, 63-66, dir. urban studies, 65-66; RES. SOCIOLOGIST & LECTR. ARCHIT. & CITY PLANNING, MICHIGAN, 66- Summers, Nat. Sci. Found. study grant, Colorado, 62, Soc. Sci. Res. Coun-Nat. Sci. Found. math. inst, Stanford, 64, lectr, Nat. Sci. Found. inst. sociol, Kent State, 66. AAAS; Sociol. Asn. Housing and urbanization; spatial-behavioral relationships with primary focus on micro-ecology including territoriality, organized space and stimulus, crowding and stress and space and scale. Publ: Specialized housing as a therapeutic device, Am. J. Pub. Health, 66; A sociological concept of urban re-examined, Indian Sociol. Bull, 66; Some social factors related to congregate housing of mixed income groups, Gerontologist, 67. Address: 1818 Ivywood, Ann Arbor, Mich. 48103.
- PASTERNAK, DR. RUTH SIMON, b. New York, N.Y., July 27, 19; m. 48; c. 2. PSYCHOLOGY. A.B. Hunter Col, 40; Ed.D.(ed. psychol), Hopkins, 48. SCH. PSYCHOLOGIST, bur. child guid, New York, 45-48, BD. COOP. ED. SERV, SECOND SUPVRY. SCH. DIST, SUFFOLK COUNTY, 48- Assoc. Adelphi Col, 55-58. Mem, Econ. Opportunity Coun. Suffolk County, 65-, chmn, 68- Psychol. Asn. School psychology, diagnosis and treatment of children with learning and emotional problems. Address: 8 Namkee Rd, Blue Point, N.Y. 11715.
- PASTERNAK, DR. BURTON, b. New York, N.Y., Mar. 25, 33; m. 57; c. 2. ANTHROPOLOGY. B.A. N.Y. Univ, 54; Nat. Defense For. Lang. fel, Columbia, 60-63 & summer 63, M.A. 62, For. Area fel, 63-66, Ph.D.(anthrop), 67. Fulbright lectr, Summer Seminar Chinese Culture & Soc, Taipei, Taiwan, 66; Lectr. ANTHROP, STATE UNIV. N.Y. BUFFALO, 66-67, ASST. PROF, 67- U.S.N., 54-59, Lt.(jg). Fel. Anthropol. Asn; Asn. Asian Studies. Anthropology of China; social organization; community studies; ecology. Publ: Agraticatropy in a Formosan village, Am. Anthropologist, (in press); Atrophy of patrilineal bonds in a Chinese village in historical perspective, Ethnohistory, (in press); On the social consequences of equalizing irrigation access, Human Orgn. (in press). Address: Dept. of Anthropology, State University of New York at Buffalo, Buffalo, N.Y. 14226.
- PASTI, DEAN GEORGE, JR, Mod. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- PASTO, PROF. TARMO ABRAHAM, b. Monessen, Pa, July 27, 06; m. 49; c. 2. PSYCHOLOGY. B.Sc. Cornell, 32, Ph.D., 44; Syracuse, summer, 36, 38; M.A. Albany State Col, 37. Teacher, high sch, 34-35; prin, 35-38; instr. drawing, Cornell, 38-44; chief, Vet. Admin. Guid. Center, 45-48; PROF. ART & PSYCHOL, SACRAMENTO STATE COL, 48- Fulbright prof, Helsinki, 55-56; Nat. Inst. Ment. Health res. grant, 63-65. Consult, Calif. State Dept. Ment. Hyg, 59-61. Collab, Confinita Psychiatrica, 59-62. U.S.A.A.F. 44-45. Psychol. Asn; Soc. Aesthetics; Soc. Psychopath. Expression (secy-gen); Int. Soc. Art & Psychopath. Psychotic and child art; perception and art form; oil painting. Publ: The space-frame experience in art, A.S. Barnes, 65; Berenson's criteria and the space frames of Braque and Picasso, Brit. J. Aesthetics, 10/66; Roots of art, Psychiat. Spectator, 4/67. Address: Dept. of Art, Sacramento State College, Sacramento, Calif. 95819.
- PASTORE, PROF. NICHOLAS J(AMES), b. New York, N.Y., Nov. 2, 16. PSYCHOLOGY. B.S. City Col. New York, 40; Ph.D.(psychol), Columbia, 48. Tutor math, City Col. New York, 46-48; instr. PSYCHOL, Long Island, 48-51; from instr. to PROF, QUEENS COL.(N.Y.), 51- AAAS; Psychol. Asn. Social and experimental psychology. Publ: The nature-nurture controversy; Learning ability in the canary, Sci. Am; Need as a determinant of perception, J. Psychol. Address: 56 Seventh Ave, New York, N.Y. 10011.
- PATAI, DR. RAPHAEL, b. Budapest, Hungary, Nov. 22, 10; nat; m; c. 2. ANTHROPOLOGY. Ph.D. Hebrew Univ, Israel, 36. Res. fel, Hebrew Univ, Israel, 36-37, instr. 38-42, res. fel. ethno, 44-47; instr, Jerusalem Tutorial Classes, 45-47; Viking Fund fel, 47-48; prof. anthropol, Dropsie Col, 48-56; DIR. RES, THEODOR HERZL INST, 56-; PROF. FAIRLEIGH DICKINSON, 66- Dir. res, Palestine Inst. Folklore & Ethnol, 45-49; vis. lectr, Columbia, 48; vis. prof. Pennsylvania, 48-49; lectr. New Sch. Soc. Res, 48; N.Y. Univ, 51-53; vis. lectr, Princeton, 52-54; dir. Syria-Lebanon-Jordan res. proj, Human Rels. Area Files, Inc, Conn, 55-56. Consult, dept. soc. affairs, UN, 51. Ed, Edoth, 45-48; Soc. Studies, 47-48; Herzl Year Book, 58- Fel. Anthropol. Asn. Publ: Golden river to golden road: society, culture and change in the Middle East, Univ. Pennsylvania, 62; co-auth, Hebrew myths, Doubleday, 64; auth, The Hebrew goddess, 67. Address: 39 Bow St, Forest Hills, N.Y. 11375.
- PATCH, DR. RICHARD W, b. Lansing, Mich, Apr. 12, 29. ANTHROPOLOGY. B.A. Cornell, 51, Ph.D. 56. Mem. faculty, Tulane, 56-57; Am. Univs. Field Staff, 57-68; PROF. ANTHROP, STATE UNIV. N.Y. BUFFALO, 68- Mem. staff, Land Tenure Center, 63-; vis. prof, Wisconsin, 63-68. Mem. & trustee, Inst. Current World Affairs, 66. Mem, Latin Am. Task Force, Nat. Acad. Sci, 64-65, Latin Am. Sci. Bd, 65. Fel. Anthropol. Asn; fel. Soc. Appl. Anthropol; Ethnol. Soc. Development in the Central Andes. Publ: Social change in Latin America today, Coun. For. Rels, N.Y. Address: Dept. of Anthropology, State University of New York at Buffalo, 4242 Ridge Lea Rd, Amherst, N.Y. 14226.
- PATCHEN, DR. MARTIN, b. New York, N.Y., July 3, 32; m. 57. SOCIAL PSYCHOLOGY. B.A. Columbia, 53; M.A. North Carolina, 54; Ph.D. Michigan, 60. STUDY DIR, INST. SOC. RES. 59- Winner, Ford Found. Doctoral Dissertation Competition, Michigan, 60. U.S.A., 54-56. Psychol. Asn; Sociol. Asn. Reference group phenomena; job motivations. Publ: Choice of wage comparisons; Effect of reference group standards on job satisfactions, Human Rels; Conceptual framework and some empirical data concerning choice of social comparisons, Sociometry. Address: Institute for Social Research, Ann Arbor, Mich. 48103.
- PATE, DR. B(ART) CARTER, b. Sulphur Springs, Tex, Apr. 1, 27; m. 55; c. 3. SOCIOLOGY. B.A. Texas, 48; M.A. Vanderbilt, 50; Michigan, 53-55; Human Rels. fel, Boston, 55-57, S.T.B. 58, Ph.D.(sociol, soc. ethics), 64. Res. asst. sociol, Vanderbilt, 49-50; missionary, Methodist Mission Bd. N.Y. Argentina & Uruguay, 50-53; campus minister, United Campus Christian Ministry, George Washington, 59-63; asst. prof. SOCIOL, Appalachian State Teachers Col, 63-66; ASSOC. PROF. CHATTANOOGA, 66- Counsr, Protestant Migrant Ministry, summer 55-59, Methodist student work-camp, Cuba, summer 56; Univ. Chattanooga grant, Nat. Sci. Found.

Summer Inst. Anthropol. Col. Teachers, Univ. Colorado, 67. Sig.C, 45-46. Sociol. Assn; Anthropol. Assn; Soc. Sci. Study Relig. Religion in higher education; intergroup relations; sociology of religion; philosophy of science; human relations training; culture and personality. Publ: Colleges as environmental systems—toward the codification of social theory, Boston Univ, 63. Address: Dept. of Sociology, University of Chattanooga, Chattanooga, Tenn. 37403.

PATE, DR. JAMES LESTER, b. Clanton, Ala, Nov. 24, 33; m. 54; c. 2. PSYCHOLOGY. A.B., Alabama, 54, M.A., 60, Ph.D.(psychol), 63. Instr. PSYCHOL, Alabama, 61-62; asst. prof., Western Illinois, 62-65; GA. STATE COL., 65-66, ASSOC. PROF., 66- Res. consult, Georgian Clin, 66- U.S.N., 54-58. Psychol. Assn; Psychomet. Soc; Biomet. Soc. Factors controlling alternation behavior in the white rat; two-choice probability learning. Publ: Losing games and their recognition, 67 & Choice behavior as a function of stimulus exposure, 67, Psychol. Reports; Co-auth, Extra-maze pre-exposure and choice behavior, Psychonomic Sci, 67. Address: Dept. of Psychology, Georgia State College, Atlanta, Ga. 30303.

PATE, PROF. WOODROW WILSON, b. Murfreesboro, Ark, Feb. 11, 13; m. 38; c. 2. ECONOMICS. A.B., Henderson State Teachers Col, 36; M.A., La. State, 38; Gen. Ed. Bd. fel, 41-42; Ph.D.(econ), North Carolina, 49. Head dept. soc. sci, Agr. & Mech. Col. Ark, 38-43; instr. ECON, North Carolina, 46-48; asst. prof., Oklahoma, 48-49; PROF., CENTENARY COL., 49- Econ. consult, Opers. Res. Off., Hopkins, 51-52. U.S.N., 43-46, Lt. Labor; finance. Address: 3823 Greenway, Shreveport, La. 71105.

PATEL, DR. MALVIKA S, b. Baroda, India, Aug. 16, 39; m. 64; c. 1. ECONOMICS. B.A., Baroda, 60, M.A., 62; Ph.D.(econ), Southern California, 67. Lectr. ECON, Baroda, 62-64; ASST. PROF., San Diego State Col, 67-68; SAN FERNANDO VALLEY STATE COL, 68- Economic theory and development; econometrics; international trade. Publ: Co-auth, Evaluation of Indian fertilizer projects, J. Farm. Econ, 8/66. Address: Dept. of Economics, San Fernando Valley State College, Northridge, Calif. 91324.

PATEL, DR. MANIBHAI S, Math. Statist, see 10th ed, Soc. & Behav. Vols. New Address: Faculty of Science, Maharaja Sayajirao University of Baroda, Baroda, India.

PATEL, DR. RAMAN C, b. Vaso, India, July 6, 31; m. 51; c. 3. ECONOMICS. STATISTICS. B.Sc., Baroda, 54, M.Sc., 56; M.S., Chicago, 63; Ph.D.(econ), Southern California, 66. Statistician, S. Gujarat Circle, Pub. Works Dept, Govt. Bombay, 56-58; asst. prof. statist, univ. sch. soc. sci, Gujarat Univ, India, 58-62; lectr. econ, California, Riverside, 65-66; ASSOC. PROF. OPERS. RES. & STATIST, CALIF. STATE COL. LONG BEACH, 66- Res. asst. to Prof. Gerhard Tintner, Southern California, 63-66. Statist. Assn; Econ. Assn. Statistical inference; economic theory; mathematical economics and econometrics. Address: Dept. of Operations Research & Statistics, California State College at Long Beach, 6101 E. Seventh St, Long Beach, Calif. 90801.

PATERSON, PROF. JAMES J(AMIESON), b. Chicago, Ill, Oct. 30, 99; m. 31; c. 1. ECONOMICS. B.S., Northwestern, 23; summers, Columbia, 28-31, Chicago, 39-41. Asst. sales mgr., J.J. Badenoch Co, Ill, 23-27; instr. econ, WABASH COL, 27-31, freshman coach, 27-42, dir. intramurals, 31-42, asst. prof. econ, 31-42, 45-54, dir. student activities & student health serv, 45-67, asst. prof. sociol. & anthropol, 49-54, assoc. prof, 55-67, dir. auxiliary enterprises, 60-67, EMER. ASSOC. PROF. ECON, 67- U.S.A., 18-19; U.S.A.A.F., 42-45, Maj. Indust. Rels. Res. Assn. Address: 616 Sugar Tree Rd, Crawfordsville, Ind. 47933.

PATERSON, PROF. ROBERT WACKER, b. Columbus, Ohio, Dec. 30, 18; m. 46; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. B.S.C., Virginia, 44, M.A., 45, Ph.D.(econ), 53. Instr. & asst. bur. pop. & econ. res, Virginia, 44, 49-53; v.consul, U.S. Dept. State, Rio de Janeiro, 45-46, 47; officer-in-charge, Am. consulates, Havana, 47, Vitoria, Brazil, 47-49, Barbados, B.W.I., 48-49; prof. econ. & dir. bus. & econ. res, South Carolina, 53-59; PROF. ECON. & DIR. RES. CENTER, MISSOURI, 59- Consult, 54- Mem. cmt. Hwy. Res. Bd, Nat. Acad. Sci-Nat. Res. Coun, 60-70; U.S. Dept. Commerce Adv. Cmt, 62-70. Econ. Assn; Statist. Assn; Acad. Polit. & Soc. Sci. Business cycles and economic forecasting; agricultural economics, statistics and methodology. Publ: Financing Missouri's road needs; Forecasting techniques for determining the potential demand for highways; The problems of urban organization. Address: School of Business & Public Administration, University of Missouri, Columbia, Mo. 65202.

PATEY, HENRY CURTIS, b. Waymart, Pa, Oct. 24, 00; m. 26; c. 1. PSYCHOLOGY. A.B., Linfield Col, 26; summer, Washington State, 25; A.M., Oregon, 29; Columbia, 29-31. Teacher, pub. schs, Alaska, 19-22; Hill Mil. Acad, 26; asst. ed, Oregon, 26-28; prin. & teacher, Sitka, Alaska, 28-29; instr. ed, N.Y. Sch. Fine & Appl. Art, 29-34; psychologist, State Hosp. & Ment. Health Clin, Del, 35-36; Boston Sch. Occup. Ther., 38-41; citizenship training group, Boston Juvenile Court, 44-48; DIR, HAMPSHIRE COUNTRY SCH, 48- Summers, instr. St. Martins Col, 28, counsr, Camp Winnebago, 30-31. Counsr, Nat. Cmn. Ment. Hyg, 30-31; psychologist, Brooklyn Child Guid. Center, 31-35; Judge Baker Guid. Center, 44-47; private practice, 45-48. Consult, Dublin Sch, N.H., 45-47; Wellesley Friendly Aid Assn, 45-48. Psychol. Assn; Orthopsychiat. Assn; Group Psychother. Assn. Matching of prognostic twins; Cambridge-Somerville youth study. Publ: Authoritarianism versus permissiveness, Timbertopics; Teacher as general practitioner, Ment. Hyg; co-auth, Mental Health emphasis in education, Am. J. Orthopsychiat. Address: Hampshire Country School, Timbertop, East Rindge, N.H. 03461.

PATIL, DR. GANAPATI PARASHURAM, Statist, see 11th ed, Phys. & Biol. Vols.

PATIL, DR. SURGOUNDA A, Math, see Suppl. V to 11th ed, Phys. & Biol. Vols.

PATINKA, DR. PAUL JOHN, Psychol, see 10th ed, Soc. & Behav. Vols.

PATMOS, DEAN A(DRIAN) EDWARD, b. Paterson, N.J, June 29, 14; m. 42; c. 2. ECONOMICS. A.B., N.Y. Univ, 35, A.M., 36, Penfield fel, 37-38; scholar, American Univ, 36-37. Asst. prof. ECON, WITTENBERG, 38-47, assoc. prof, 47-50, PROF. & HEAD DEPT, 50- DIR. MGT. DEVELOP. PROG, 52-, DEAN, SCH. COMMUNITY ED, 55- Lectr., N.Y. Univ, 46-47; adj. prof., U.S. Air Force Inst. Tech, 49-50; City Cmnr, Springfield, 58-62, Mayor, 60-62. Trustee, Clark County Tech. Inst, 66-68, v.pres. bd. trustees, 68- Chmn, Clark County Hosp. Facilities Planning Cmt, 66. Econ. Assn. Government regulation of industry; money, banking and finance; popular presentation of basic economic concepts; management training for supervisory personnel. Address: School of Community Education, Wittenberg University, Springfield, Ohio 45501.

PATNO, PROF. MARY ELLEN, b. Buena Vista, Colo, Nov. 22, 15. BIO-STATISTICS. B.S., Colorado, 38; M.Sc., Hopkins, 51; Ph.D., Pittsburgh, 55. Instr., Adams State Col, 38-42; statistician, State Health Dept, Ill, 43-47; Vet. Admin, 47-48; res. assoc, Hopkins, 48-50; chief off. biostatist, Pittsburgh Health Dept, 50-57; asst. prof. BIostatist, Pittsburgh, 57-60; assoc. prof., MICHIGAN, 60-65, PROF., 65- Statist. Assn; Pub. Health Assn. Address: Dept. of Biostatistics, University of Michigan, Ann Arbor, Mich. 48104.

PATRICK, DR. GORDON M, b. Chicago, Ill, Mar. 20, 27; m. 56; c. 2. POLITICAL SCIENCE. B.S., Bradley, 50; A.M., Illinois, 54, Babcock fel, 56-57, Ph.D.(polit. sci), 57. Asst. prof. polit. sci, Loyola (Ill), 59-65; SPEC. PROGS. ADMINSTR, INDIANA, NORTHWEST CAMPUS, 65- U.S.N., 44-46. Polit. Sci. Assn. American foreign policy; public law; national government. Publ: Impact of a court decision, In: Courts, judges and politics. Address: Indiana University, Northwest Campus, 3400 Broadway, Gary, Ind. 46408.

PATRICK, PROF. CLARENCE H(ODGES), b. Winchester, Tenn, Dec. 25, 07; m. 46; c. 1. SOCIOLOGY. B.A., Wake Forest Col, 31; B.D., Andover-Newton Theol. Sch, 34; Ph.D., Duke, 43. PROF. SOCIOLOG, Shorter Col, 43-44; Meredith Col, 44-47; WAKE FOREST, 47- Study grant, India, 67. Chmn, State Bd. Paroles, N.C., 53-56; mem. & chmn, N.C. Probn. Cmn. Sociol. Assn. Criminology; race and culture; alcohol and culture. Publ: Alcohol, culture and society; Lunch counter desegregation in Winston-Salem, N.C. Address: Dept. of Sociology, Wake Forest University, College Station, Winston-Salem, N.C. 27106.

PATRICK, DR. HUGH T(ALBOT), b. Goldsboro, N.C., Feb. 22, 30; m. 53; c. 3. ECONOMICS. B.A., Yale, 51; M.A., Michigan, 55 & 57, Taylor fel, 56-57, Ford Found. fel, 57-58, Ph.D.(econ), 60. Econ. analyst, U.S. Govt, 51-53; lectr. ECON, Michigan, 58-60; asst. prof., YALE, 60-64, assoc. prof, 64-68, PROF., 68- Vis. prof., Bombay, 61-62; Guggenheim fel. & Fulbright res. prof., Japan, 64-65. Econ. Assn; Asn. Asian Studies (treas, 64-). Economic development, especially Asia; role of government in Japan's postwar economic development; investment; foreign trade; fiscal and monetary policy; financing of economic development; induction of foreign technology and capital. Publ: Monetary policy and central banking in contemporary Japan, Univ. Bombay, 62, Japanese trans, 64; Japan, In: Banking in the early stages of industrialization, Oxford Univ, Chap. 8; 239-89, 67; Financial development and economic growth in underdeveloped countries, Econ. Develop. & Cultural Change, Vol. XIV, 2, 1/66. Address: Dept. of Economics, Yale University, 1987 Yale Station, New Haven, Conn. 06520.

PATRICK, PROF. JAMES R(UEY), b. Monroe, Ga, Feb. 16, 93; m. c. 2. PSYCHOLOGY. A.B., Georgia, 25, Phelps-Stokes fel, 25-26, A.M., 28; Ph.D. (psychol), North Carolina, 31. Asst. prof. PSYCHOL, OHIO, 28-35, assoc. prof, 35-38, prof, 38-63, EMER. PROF., 63- Vis. prof., Wofford Col, 63-64. U.S.A., 17-19, 42-46, Lt. Col. Fel. Psychol. Assn; Acad. Polit. Sci. Emotions; learning; personality. Address: 12 Northwood Dr, Athens, Ohio 45701.

PATRICK, DR. JERRY HEARD, b. Canton, Tex, Mar. 3, 33; m. 57; c. 2. CLINICAL PSYCHOLOGY. B.S., Abilene Christian Col, 57; M.Ed., Arkansas, 59; fels, North Texas State, 59-60, 63-64, Ed.D.(counseling), 65. Teacher & coach, pub. schs, Tex, 57-58; asst. counseling center, Arkansas, 59; dir. counseling, Community Guid. Serv, Tex, 60-61; disability determining officer, Tex. Ed. Agency, 61-62; asst. prof. psychol, Howard Payne Col, 62-63; chief psychologist, Rusk State Hosp, Tex, 64-65; RES. ASST. PROF. PSYCHOL, MED. BR, TEXAS, 65- U.S.N.R., 53-55. Psychol. Assn; Soc. Proj. Tech. & Personality Assessment. Applying clinical psychological techniques for assessment of personality changes; psychotherapy; drugs. Publ: Co-auth, Computer monitoring and analysis of a psychiatric treatment program, Ment. Hyg, 7/67; auth, Validity of beta IQs for white female psychiatric patients, J. Clin. Psychol, in press; Multiple discriminate analysis of clinical diagnostic groups, Proc. Am. Psychol. Assn, 68. Address: Dept. of Psychology, University of Texas Medical Branch, Galveston, Tex. 77550.

PATRICK, DR. RALPH CLINTON, Soc. Anthropol, see 10th ed, Soc. & Behav. Vols.

PATTEN, PROF. EVERETT FRANK, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 66.

PATTEN, DR. GEORGE P(HILLIP), b. Farmersburg, Ind, June 29, 24; m. 49; c. 2. GEOGRAPHY. B.S., Indiana State, 48; M.A., Ohio State, 49; fel, Northwestern, 53-54, Ph.D.(geog), 55. Asst., Ohio State, 48-50; instr., Arkansas, 50-51; asst. prof., Hunter Col, 54; Iowa State Teachers Col, 55-57; from asst. prof. to ASSOC. PROF. GEOG, OHIO STATE, 57- Summers, vis. prof., De Paul, 57, Indiana State, 58-60, Victoria Col.(B.C.), 62. U.S.A.F., 43-46, Res, 46-61, 2nd Lt. Asn. Am. Geog; Am. Geog. Soc; African Studies Assn; Nat. Coun. Geog. Ed; Latin Am. Studies Assn. Agricultural land use; regional geography of Africa and Latin America. Publ: Contrib, Collier's yearbook 1962; auth, Gabon & Congo Brazzaville, Focus. Address: Dept. of Geography, Ohio State University, Columbus, Ohio 43210.

PATTEN, PROF. RONALD J(AMES), b. Iron Mountain, Mich, July 17, 35; m. 59; c. 3. ACCOUNTING, BUSINESS ADMINISTRATION. B.A., Mich. State, 57, M.A., 59; Ph.D.(acct, econ, bus. law), Alabama, 63. Acct., Price Waterhouse & Co, Cert. Pub. Acct, 58; Sherck & Krewz, 59; D.M. Shafer, 60;

- instr. ACCT, Northern Illinois, 59-60; Alabama, 62; asst. prof, Colorado, 63-65; assoc. prof, VA. POLYTECH, 65-67, PROF, 67-, HEAD DEPT, 66-Summer vis. prof, Northeastern, 67. U.S.A.R., 57-68, Capt. Am. Acct. Asn; Inst. Cert. Pub. Acct. Financial accounting theory. Publ: An independent examination of internal control in an electronic data processing system, Acct. J. N.Z., 9/64; Intraperiod income tax allocation—a practical concept, Acct. Rev., 10/64; co-auth, Emerging trends in education for accountants, Nat. Pub. Acct., 9/65. Address: 1393 Locust St, Blacksburg, Va. 24060.
- PATTEN, DR. THOMAS H(ENRY), JR, b. Cambridge, Mass, Mar. 24, 29; m. 58. INDUSTRIAL RELATIONS, SOCIOLOGY. B.A. Brown, 53; Theta Delta Chi scholar, Cornell, 53-55, M.S., 55, Ph.D.(indust. rel.), 59. Asst. indust. rel, Cornell, 53-55, 56-57; prog. analyst, President's Cmn. Vets. Pensions, 55-56; res. analyst, indust. rels, Ford Motor Co, 57-60, supvr, 60-65; prof. mgt. & sociol, Detroit, 65-67; PROF. INDUST. RELS. & ASSOC. DIR, MICH. STATE, 67- Instr, Wayne State, 58; lectr, Detroit, 60- Consult, Mayor's Cmt. Total Action Against Poverty, Detroit, 65-66; Mich. Off. Econ. Opportunity, summer 66; Mich. Employ. Security Cmn, 66-68. U.S.M.C., 46-48. Fel. Sociol. Asn; Indust. Rel. Res. Asn; Soc. Personnel Admin; Pub. Personnel Asn. Personnel management and organizational problems; educational planning and industrial training; employee pay plans and job evaluation; union-management relations; industrial applications of behavioral science. Publ: Manpower planning and the development of human resources, Wiley, 68; Organizational processes and the development of managers: some hypotheses, Human Orgn, winter 67; The foreman: forgotten man of management, Am. Mgt. Asn, 68. Address: School of Labor & Industrial Relations, Michigan State University, 432 S. Kedzie Hall, East Lansing, Mich. 48823.
- PATTERSON, DR. BRAXTON I(RVINE), b. Hastings, Nebr, Dec. 21, 25; m. 50. ECONOMICS. B.S. Bradley, 49, M.A., 55; Fed. Reserve Bank Chicago fel, Mich. State, 58-59, Ph.D., 61. Indust. specialist, Ord. Ammunition Command, Ill, 51-54; economist, Weather Forecasts, Inc, 54-56; instr. econ, Mich. State, 56-58; econ. & statist, Illinois, 59-60; ECON, Wisconsin, Milwaukee, 60-61, ASST. PROF, 61-67; WIS. STATE, OSHKOSH, 67- Consult, develop. econ. ed. prog, Neenah Pub. Schs, Wis, 67- U.S.N., 44-46. Econ. Asn. Monetary theory and financial intermediaries. Address: 1225 Faust Ave, Oshkosh, Wis. 54901.
- PATTERSON, PROF. C(ALEB) PERRY, Govt, see 10th ed, Soc. & Behav. Vols.
- PATTERSON, PROF. CECIL H(OLDEN), b. Lynn, Mass, June 22, 12; m. 42; c. 7. PSYCHOLOGY. A.B. Chicago, 38; M.A., Minnesota, 45, Ph.D.(ed. psychol), 55. Asst. psychol, Fels Res. Inst, Antioch Col, 39-41; sr. asst, inst. child welfare, Minnesota, 41-42; clin. psychologist, Vet. Admin. Hosp, Canandaigua, N.Y., 46-47, counseling psychologist, regional off, Vet. Admin, St. Paul, Minn, 47-56; assoc. prof. ED. PSYCHOL, COL. ED, ILLINOIS, URBANA, 56-60, PROF, 60-, CHMN. DIV. COUNSELING ED, 65- Lectr, Col. St. Thomas (Minn), 55. U.S.A.A.F., 42-46. Fel. Psychol. Asn; Personnel & Guid. Asn. Psychotherapy; vocational counseling of the psychiatrically disabled; rehabilitation counseling. Publ: Counseling and psychotherapy: theory and practice; Counseling and guidance in schools; Theories of counseling and psychotherapy, Harper, 66. Address: 188 Education Bldg, University of Illinois, Urbana, Ill. 61801.
- PATTERSON, DR. CHARLES E(DWIN), JR, b. Washington, D.C, Dec. 10, 34; m. 58; c. 1. POLITICAL SCIENCE. A.B. Emory, 57, M.A., 58; Fulbright scholar, Birmingham, 58-59; Ph.D.(polit. sci), Illinois, 63. Instr. polit. sci, Lehigh, 62-63, asst. prof, 63-67; proj. assoc. local & regional planning, Joint Planning Cmn, Lehigh-Northampton Counties, Pa, 67-68; ASST. DIR, BUR. PUB. ADMIN, TENNESSEE, 68- Polit. Sci. Asn. Urban affairs; politics of planning; urban land use and development; urban administration and politics; intergovernmental relationships. Address: Bureau of Public Administration, University of Tennessee, Knoxville, Tenn. 37916.
- PATTERSON, DR. DAVID A, b. Adolphus, Ky, Feb. 24, 30; m. 52; c. 5. ECONOMICS. B.S. Xavier (Ohio), 56, M.B.A., 58; Pittsburgh 59-62; Ind. Found. fel, Indiana, 64-65, D.B.A., 66. ASST. PROF. ECON, Col. Steubenville, 58-62; TENNESSEE, 65- Consult, civil defense study group, Oak Ridge Nat. Labs, 66- U.S.N. Econ. Asn; Asn. Evolutionary Econ. Economics of passive defense; industrial organization. Address: Dept. of Economics, University of Tennessee, Knoxville, Tenn. 37916.
- PATTERSON, PROF. ERNEST F, b. Rising Star, Tex, June 5, 14; m. 43; c. 1. ECONOMICS. B.S. Southwest Tex. State Col, 41; M.A. Texas, 47, fel, 48, Ph.D., 51. Instr. ECON, Texas, 46-50; asst. prof, Alabama, 50-55, assoc. prof, 55-57; DAVIDSON COL, 57-66, PROF, 66- Ford Found. Faculty fel, Alabama, 54. U.S.A., 41-46. AAAS; Econ. Asn. Education; economic and social problems of disarmament. Publ: Tax system of the Argentine National Government, Nat. Tax J; Extent and pattern of expenditures of the Argentine National Government, Finances Publiques; Cotton, the first problem of U.S. agriculture, Cotton Hist. Rev. Address: Box 517, Davidson, N.C. 28036.
- PATTERSON, PROF. GARDNER, b. Burt, Iowa, May 13, 16; m. 41; c. 1. INTERNATIONAL ECONOMICS. A.B. Michigan, 38, A.M., 39; Ph.D., Harvard, 49. Rep, N.Africa & Middle East, U.S. Treasury, 43-44; U.S. mem. Greek currency cmt, Bank of Greece, Athens, 46-48; asst. prof. ECON, Michigan, 48-49; assoc. prof, PRINCETON, 49-54, PROF, 54-, dir. int. finance sect, 49-57, dir, Woodrow Willson Sch. Pub. & Int. Affairs, 58-64. Adv, U.S. Govt. Mission, Israel, 52-53, Turkey, 55-56; head, U.S. Econ. Mission, Tunisia, 61; Ford Found. faculty res. fel, Geneva, 64-65; asst. dir-gen, Gen. Agreement on Tariffs & Trade, Geneva, 66-67. Mem. Coun. For. Rels. U.S.N., 44-46. Econ. Asn. International economic relations. Publ: Survey of United States international finance; U.S. foreign trade policy; Discrimination in international trade, Princeton, 66. Address: Dept. of Economics, Princeton University, Princeton, N.J. 08540.
- PATTERSON, PROF. GEORGE RICHARD, b. Union Bridge, Md, Jan. 4, 98; m. 19; c. 4. EDUCATION, PSYCHOLOGY. A.B. Midland Lutheran Col, 18; M.Ed., Kansas, 30. Prin, high sch, Kans, 19-20, supt. schs, 20-25; head dept. ed. & psychol, LENOIR RHYNE COL, 25-66, PROF. ED. & PSYCHOL, 66- U.S.N., 18-19, Res, 19-21. Measurement of intelligence. Address: Dept. of Education & Psychology, Lenoir Rhyne College, Hickory, N.C. 28601.
- PATTERSON, PROF. GERALD ROY, b. N.Dak, July 24, 26; m. 51; c. 3. PSYCHOLOGY. B.S. & M.S. Oregon, 51; Ph.D.(psychol), Minnesota, 56. Instr. psychol, med. col, Nebraska, 56-57; asst. prof, OREGON, 57-62, assoc. prof, 62-65, PROF, dept. psychol, 65-66, SCH. ED, 67-; MEM. STAFF, ORE. RES. INST, 67- U.S.A., 44-45. Psychol. Asn. Application of learning theory to child behavior, assessment and classification. Publ: Responsiveness to social stimuli, In: Innovations in research on behavior modification, Holt, 65; Assertive behavior in children: a step toward a theory of aggression, Monogr. Soc. Res. Child Develop, 32: 1-43; Social learning: an additional base for behavior modification, In: Assessment and status of behavior therapies and associated developments, McGraw, 68. Address: School of Education, University of Oregon, Eugene, Ore. 97403.
- PATTERSON, DR. HARRY O(SCAR), b. Omaha, Nebr, Feb. 1, 19, m. 46; c. 2. PSYCHOLOGY. A.B. Omaha, 40; M.A. Nebraska, 51; Ed.D.(guid, counseling), Wayne State, 64. Jr. psychologist, Hawaii, 46-47; asst. prof. psychol, Baldwin-Wallace Col, 49-52; res. assoc. indust. rels, Standard Oil Co.(Ohio), 52-53; sr. instr. psychol, GEN. MOTORS INST, 53-57, mgt, 57-64, ASSOC. PROF. SOC. SCI, 64-, DIR. READING IMPROV. PROG, 57- Mem, Nat. Reading Asn. U.S.N.R., 41-46, Lt. Comdr. Psychol. Asn. Developmental reading for college students and adults; retirement; learning and study techniques applicable to engineering students in a five year cooperative educational program. Publ: Survey of reading improvement programs in industry; Reading improvement program in industry; Essential ingredients of a reading improvement program in industry. Address: General Motors Institute, Third & Chevrolet Ave, Flint, Mich. 48502.
- PATTERSON, DR. HOWARD R(OSCOE), b. Stamford, Tex, Jan. 7, 20; m. 43; c. 1. PSYCHOLOGY. A.B. Texas Christian, 49; M.A. Texas, 50; Ed.D., North Texas State, 59. Asst, Texas, 49; clin. psychologist diag, Dept. Corrections, Tex, 52-54; asst. prof. psychol, Eastern New Mexico, 56-58; assoc. prof. psychol. & chmn. dept, Tenn. Polytech, 58-61; chief clin. psychologist diag, Wichita Falls State Hosp, 61-64; CONSULT. PSYCHOLOGIST, 64- Clin. psychologist, Upper Cumberland Ment. Health Clin, Cookeville, Tenn, 60-61. U.S.A., 40-45, Lt. Psychol. Asn; Acad. Psychother. Clinical and projective techniques; ego-development as a determining factor in personality development as measured by projective techniques. Publ: Relationship between personality traits and preferences for instructional methods, Dissertation Abstracts. Address: 800 Fifth Ave, Suite 511, Ft. Worth, Tex. 76104.
- PATTERSON, PROF. JAMES E(DWARD), b. McKenzie, Tenn, Jan. 22, 18; m. 47; c. 4. GEOGRAPHY. B.A. Mich. State Col, 42; M.A., Illinois, 51, Ph.D.(geog), 58. Asst. prof. GEOG, Tex. Agr. & Mech. Col, 54-55; South. State Col, 55-57; assoc. prof, ILLINOIS STATE, 57-63, PROF, 63- AAAS; Asn. Am. Geog; Nat. Coun. Geog. Ed. Geography of Illinois and the United States; Latin America; earth science. Publ: Co-auth, A handbook for geography teachers, Nat. Coun. Geog. Teachers, 66; auth, Illinois new book of knowledge, Grolier, 66; West-central lowland, In: North American Midwest: a regional geography. Address: Dept. of Geography, Illinois State University, Normal, Ill. 61761.
- PATTERSON, DR. JAMES MILTON, b. DeQueen, Ark, Oct. 15, 27; m. 64; c. 1. MARKETING, ECONOMICS. B.S. U.S. Merchant Marine Acad, 48; Teagle Found. fel. & M.B.A. Cornell, 54, Ford Found. fel. & Ph.D.(managerial econ), 61. Instr. bus. admin, Northwestern, 57-60; asst. prof. MKT, INDIANA, 60-63, ASSOC. PROF, 63- Vis. assoc. prof, Northwestern, 67. Econ. Asn; Mkt. Asn. Marketing management and consumer behavior; antitrust; business responsibility. Publ: Co-auth, Management's relationships with its publics, Northwestern, 60; Marketing: the firm's viewpoint, Macmillan, 64; Legal semantics of conglomerate mergers, Am. Bus. Law Rev, 68. Address: Dept. of Marketing, Indiana University School of Business, Bloomington, Ind. 47401.
- PATTERSON, DR. PHILIP D, JR, b. Palatine, Ill, Sept. 16, 40; m. 66; c. 1. ECONOMICS. B.A. DePaul, 63; Earhart fel, Georgetown, 63-66, Ph.D.(econ), 68. Res. economist, bur. pub. roads, Dept. Commerce, summers, 63-64; RES. ASSOC. URBAN ECON, WASH. CENTER METROP. STUDIES, 67- Economet. Soc; Econ. Asn. Urban and regional economics; intergovernmental fiscal relations; financing vocational education. Address: Washington Center for Metropolitan Studies, 1717 Massachusetts Ave. N.W., Washington, D.C. 20036.
- PATTERSON, DEAN ROBERT (FOSTER), Bus. Econ, see 10th ed, Soc. & Behav. Vols.
- PATTERSON, DR. ROBERT T(RESCOTT), b. Wilkes-Barre, Pa, Nov. 5, 09. ECONOMICS. A.B. Dickinson Col, 31; M.A. George Washington, 33; Ph.D., N.Y. Univ, 50. Reference asst. & asst. to curator rare books, Library Cong, 31-35; private res. & bus, 36-42; instr. econ, N.Y. Univ, 46-51, lectr. financial hist, U.S., 53, asst. prof. econ, 53-55; assoc. prof. pub. finance & taxation, men's col. & grad. sch, Claremont Colls, 55-58; res. assoc, Am. Inst. Econ. Res, 58-64; ECONOMIST, NAT. TAX EQUALITY ASN, 64- Lectr, Am. Inst. Econ. Res, 55; asst. dir, Inst. Freedom & Competitive Enterprise, 55-58. Econ. consult, Gold Reserve Act Hearings, 53-54; testimony before Congressional Cmts. & Can. Royal Cmn. Taxation. Mem, Econ. Nat. Cmt. Monetary Policy, 52-; Coun. Private Enterprise, 65-, trustee, 67- Weddell prize, 32. U.S.A., 42-45. Econ. Asn; Econ. Hist. Asn. Public finance; financial history of United States; money and banking. Publ: Federal debt-management policies, 1865-1879; Tax exemption of cooperatives; The great boom and panic, 1921-1929, Regnery, 65. Address: 1400 20th St. N.W., Washington, D.C. 20036.
- PATTERSON, DR. RUTH M(ELCHER), b. Chicago, Ill, June 30, 01; m. 41; c. 2. PSYCHOLOGY. A.B. Wellesley Col, 22; M.A. Kentucky, 27; Ph.D. (child psychol), Hopkins, 34. Res. scholar, Vienna, Austria, 35-36; instr. child develop, nursery sch, Kentucky, 36-38; res. assoc. psychol, Wayne Co.

Training Sch, 38-48; psychologist, Bur. Juvenile Res, 48-51; dir. res. proj. brain injured children, COLUMBUS STATE SCH, 51-61, DIR. RES. PROJ. 50, 63. Psychologist, Partridge Schs, 61-63. Psychol. Asn; Int. Coun. Psychol. (treas, 47). Mental deficiency; brain injury; child development; clinical psychology; the non-verbal child. Publ: Organization of a residence unit for pre-academic training of mentally deficient children & Significance of practice effect upon re-administration of Grace Arthur performance scale to high-grade mentally deficient children, *Am. J. Ment. Deficiency*; chap. in, *Evaluation and education of children with brain damage*, C.C. Thomas, 67. Address: 2615 Wellesley Dr, Columbus, Ohio 43221.

PATTERSON, PROF. SAMUEL C(HARLES), b. Omaha, Nebr, Nov. 29, 31; m. 56; c. 3. POLITICAL SCIENCE. B.A., South Dakota, 53; M.S., Wisconsin, 56. Knapp fel, 57-58, Ph.D., 59. Asst. prof. POLIT. SCI., Okla. State, 59-61; IOWA, 61-64, assoc. prof, 64-67, PROF., 67- Soc. Sci. Res. Coun. faculty grant-in-aid, 61, res. grant, 67; Am. Polit. Sci. Asn. study grant, 64-65. U.S.A., 53-55, 1st Lt. Am. Polit. Sci. Asn; Int. Polit. Sci. Asn. Legislative bodies, especially role systems, interaction processes and leadership structure. Publ: Labor lobbying and labor reform, Bobbs, 66; co-auth: The legislative process in the United States, Random, 66; auth, American legislative behavior, Van Nostrand, 67. Address: 28 Seventh Ave, Iowa City, Iowa 52240.

PATTERSON, PROF. S(AMUEL) HOWARD, Econ, see 10th ed, Soc. & Behav. Vols.

PATTERSON, DR. THOMAS C(ARL), b. Rutland, Vt, Nov. 5, 37; m. 59. ARCHAEOLOGY, ANTHROPOLOGY. A.B., California, Riverside, 60, Ph.D.(anthrop), Berkeley, 64; Fulbright grant, Univ. Lima, 62-63. Acting instr. anthrop, California, Berkeley, 63-64, acting asst. prof, 64-65; asst. prof. anthrop. & res. assoc. S.Am. archaeol, Harvard, 65-68; ASST. PROF. ANTHROP, YALE, 68- Res. grants, Wenner-Gren Found, 65-66 & Nat. Sci. Found, 66-69. Soc. Am. Archaeol.(asst. ed, 65-); Inst. Andean Studies (v.pres, 66); Am. Anthropol. Asn. South American archaeology; archaeological method and theory. Publ: Contemporaneity and cross-dating in archaeological interpretation, *Am. Antiq.* 63; Early cultural remains on the central coast of Peru, Nawpa Pacha 4, 66; Pattern and process in the early intermediate period pottery of the central coast of Peru, Univ. California Publ. Anthrop, 66. Address: Dept. of Anthropology, Yale University, New Haven, Conn. 06520.

PATTERSON, DR. TOM WAYNE, b. Frederick, Okla, Sept. 12, 31; m. 61; c. 2. PSYCHOLOGY. B.A., Oklahoma, 53, M.S., 56; Ph.D.(psychol), Nebraska, 63. Trainee psychol, Norfolk State Hosp, Nebr, 57; Vet. Admin. Hosp, Omaha, 58-59, Salt Lake City, Utah, 59-61; asst. psychologist, Lincoln State Hosp, Nebr, 62-63; ASST. PROF. PSYCHOL, COLORADO STATE, 63-, clin. psychologist, univ. counseling center, 63-66. Faculty improvement grants, 64, 65 & 67. Voc. Rehab. Admin. grant, 66; lectr, Commun. Workers Am, 64 & 65. Consult, Child Develop. Center, Cheyenne, Wyo. & Vet. Admin. Hosp, Denver, Colo, 66- Qm.C. U.S.A. 53-61. Capt. Psychol. Asn. Personality theory; perception; self-concept; psychotherapy. Publ: Co-auth, A behavioral evaluation of geriatric patients living in nursing homes, *Gerontologist*, 61 & A companion therapy program, *J. Community Ment. Health*, 67. Address: Dept. of Psychology, Colorado State University, Ft. Collins, Colo. 80521.

PATTERSON, VIRGINIA, b. Manila, Philippines, May 13, 24; U.S. citizen. CLINICAL PSYCHOLOGY. B.A., Stanford, 44, M.A., 46. Fel. clin. psychol, Langley Porter Clin, 46-47; CLIN. PSYCHOLOGIST, San Francisco Juvenile Court, 47-48; Children's Hosp. Child Guid. Clin, 48; diag. serv, San Francisco Separate Women's Court, 49; OUTPATIENT DEPT., LANGLEY PORTER NEUROPSYCHIAT. INST. 50- Clin. psychologist, Palo Alto Med. Res. Found, 54-55; asst. clin. prof, sch. med, California, San Francisco, 66- Psychol. Asn; World Fedn. Ment. Health. Personality dynamics of parents of disturbed children; treatment of criminal offenders; development of an inventory of social functioning. Publ: Co-auth, Study of the parents of schizophrenic and neurotic children, Relation between intention to conceive and symptoms during pregnancy & Captive outpatients: a psychotherapy program for parolees. Address: Langley Porter Neuropsychiatric Institute, 401 Parnassus, San Francisco, Calif. 94122.

PATTERSON, DR. WAYNE C(URTIS), b. Buffalo, N.Y., Jan. 2, 36; m. 61. PHYSIOLOGICAL PSYCHOLOGY. B.S., Juniata Col, 60; M.S., Delaware, 62, Nat. Inst. Health fel, 63-65, Ph.D.(physiol. psychol), 65. Asst. prof. PSYCHOL, VERMONT, 65-68, ASSOC. PROF., 68- Res. consult. NASA grant, Vermont & res. instr, div. otolaryngol, col. med, 65- U.S.A., 55-57; U.S.N.R., 64-, Lt. Psychol. Asn; Acoustical Soc. Am; N.Y. Acad. Sci. Sensory processes; physiological and psychological acoustics. Publ: Hearing in the turtle, 66 & co-auth, A method for measuring auditory thresholds in the turtle, 66, *J. Auditory Res*; co-auth, Chloramphenicol: topical application in the middle ear, *Arch. Otolaryngol*, 67. Address: Dept. of Psychology, University of Vermont, Burlington, Vt. 05401.

PATTIE, PROF. FRANK A(CKLEN), b. Winchester, Tenn, Jan. 13, 01; m. 39; c. 3. PSYCHOLOGY. A.B., Vanderbilt, 22; fel. Princeton, 22-23, Procter fel, 24-25, Ph.D.(psychol), 25; Macdonald fel, Harvard, 23-24, A.M., 25. Nat. Res. Coun. fel, Harvard, 25-26, instr. PSYCHOL, 26-29; Rice Inst, 29-31, asst. prof, 31-47; PROF., KENTUCKY, 47-, head dept, 47-49. Vis. prof, Cincinnati, 50. Consult, Lexington Vet. Admin. Hosp, 58- Int. ed, *Revista Latino-Americana de Hipnosis Clinica*, 60- Dipl. Am. Bd. Exam. Prfnl. Psychol. Soc. Clin. Hypnosis (pres, 59-61); hon. mem. Argentine Soc. Hypnosis. Hypnosis; hypnotherapy; projective techniques; history of psychology. Publ: An attempt to produce unocular blindness by hypnotic suggestion; Mesmer's medical dissertation and its debt to Mead's *De Imperio Solis ac Lunae*; chaps. In: Hypnosis and its therapeutic applications. Address: Dept. of Psychology, University of Kentucky, Lexington, Ky. 40506.

PATTISHALL, PROF. EVAN G(RADICK), JR, b. Richmond, Va, Sept. 2, 21; m. 45; c. 4. BEHAVIORAL SCIENCE. B.M., Michigan, 47, M.M., 48, Ph.D. (ed. psychol), 51; M.D., Western Reserve, 62. Asst. prof. psychol. & ed, Appalachian State Col, 50-51; res. psychologist, Off. Naval Res, 51-53; act-

ing asst. prof. psychol, Virginia, 53-54, asst. prof. ed. res, 54-56, assoc. prof, 56-58, dir. div. ed. res. & res. psychologist, hosp, 55-58; aerospace med. consult, 58-62; assoc. prof. psychiat, col. med. & assoc. prof. psychol, col. arts & sci, Florida, 62-66; PROF. BEHAV. SCI. & CHMN. DEPT., COL. MED., HERSEY MED. CENTER, PA. STATE, 66- U.S.N.R., 43-46, 51-53, Lt. AAAS; Psychol. Asn; Aerospace Med. Asn; Asn. Am. Med. Cois; Am. Med. Asn; Psychosom. Soc. Medical education research; biochemical correlates of human behavior; nervous system and behavior; physiological and behavioral correlates of stress and disease; evaluation of learning and performance. Publ: Co-auth, Behavioral science contributions to psychiatry, Little, 65; Method of evaluating student-patient interviews; Speech braininess, handedness, and ear asymmetry, *Proc. Vol. IV*, 9/65. Address: Dept. of Behavioral Science, College of Medicine, Pennsylvania State University, Hershey, Pa. 17033.

PATTISON, DR. WILLIAM D(AVID), b. Chicago, Ill, May 18, 21. GEOGRAPHY. Ph.B., Chicago, 48, Salisbury fel. & M.A., 52, Asher fel. & Ph.D.(geog), 57. Lectr. GEOG, Univ. Col, London, 53-54; asst. prof, California, Los Angeles, 57-63; ASSOC. PROF., San Fernando Valley State Col, 63-66; CHICAGO, 66- U.S.A., 42-46. Asn. Am. Geog; Am. Geog. Soc. Geographical aspects of history of land surveying; geography in education. Address: Dept. of Geography, University of Chicago, Chicago, Ill. 60637.

PATTON, DR. A(UDLEY) E(VERETT), Econ, see 10th ed, Soc. & Behav. Vols.

PATTON, PROF. CLYDE P(ERRY), b. Paris, France, July 14, 23; U.S. citizen; m. 48; c. 4. GEOGRAPHY. A.B., California, 48, M.A., 50, Ph.D.(geog), 53. Asst. prof. GEOG, Syracuse, 53-58; from assoc. prof. to PROF. & HEAD DEPT., OREGON, 58- U.S.A., 43-46, 2nd Lt. Asn. Am. Geog; Am. Geog. Soc. Climatology; cartography; historical geography of Europe. Address: Dept. of Geography, University of Oregon, Eugene, Ore. 97403.

PATTON, DR. GARY W(ILLIAM) R(OBERT), b. Madison, Wis, July 19, 37; m. 61; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S.M.E., Purdue, 59; M.S., Tufts, 63, Ph.D.(exp. psychol), 67. Res. psychologist, physiol. & exp. psychol, U.S. Army Res. Inst. Environ. Med, 64-65; instr. psychol, Bentley Col, 65-66; RES. PSYCHOLOGIST, PHYSIOL. & EXP. PSYCHOL, U.S. ARMY RES. INST. ENVIRON. MED, 66- Psychol. Asn; Sci. Res. Soc. Am; Soc. Psychophysiol. Res. Human psychophysiology. Publ: Tachistoscopic recognition thresholds as a function of arousal level, *J. Exp. Psychol*, 7/68. Address: U.S. Army Research Institute of Environmental Medicine, Natick, Mass. 01760.

PATTON, DR. H(ASKELL) RILEY, b. Slippery Rock, Pa, Nov. 22, 17; m. 41; c. 2. PSYCHOLOGY. A.B., Westminster Col, 38; M.A., Wisconsin, 41; Ph.D.(psychol), Pittsburgh, 52. Area supvr, food distribution admin, U.S. Dept. Agr, 41-43; asst. psychol. testing, Pittsburgh, 46-47, instr. psychol, 47-49; asst. prof, Allegheny Col, 49-53, assoc. prof, 53-55; head training develop. & indoctrination group, syst. develop. div, Rand Corp, 55-57; Corporate rep. to Air Defense Command Hqs. & U.S. Air Force Hqs, Syst. Develop. Corp, 58-59, mgr, strategic air command control syst. dept, 59-60, command control div, 60-65; PRES. INFO. MGT, INC, 65- U.S.A., 43-46, Sgt. AAAS; Psychol. Asn; Asn. Comput. Mach. Information and electronic data processing systems. Address: 323 Springs Rd, Bedford, Mass. 01730.

PATTON, PROF. LESLIE KARR, b. Senatobia, Miss, Sept. 6, 98; m. 30. PSYCHOLOGY. B.S., Ga. Inst. Tech, 24; M.A., Emory, 29; Ph.D.(ed. & psychol), Columbia, 40. Instr. math, Ga. Inst. Tech, 24-27; asst. dean men, Emory, 28-32; instr. math, eve. col, Brooklyn Col, 35-39; prof. ed. & psychol. & dean, Tusculum Col, 39-43, 45-50 & 52-53, acting pres, 50-51; prof. psychol. & chmn. dept, EAST TENN. STATE, 55-64, PROF. PSYCHOL, 65- Asst. to dir. admissions, Columbia, 35-38. U.S.N., 17-19. Psychol. Asn. Psychological study of social issues; statistics; personnel psychology. Publ: Purposes of church-related colleges. Address: Dept. of Psychology, East Tennessee State University, Johnson City, Tenn. 37601.

PATTON, PROF. ROBERT A(DAMS), b. May 20, 15. PSYCHOLOGY. A.B., Geneva Col, 37; A.M., Pittsburgh, 39, Williams-Waterman Res. Corp. fel, 40-42, Ph.D.(exp. psychol), 42. Buhl Found. fel. & instr. PSYCHOL, PITTSBURGH, 42-44, lectr, 45-48, assoc. prof, 48-52, PROF. & CHMN. DEPT. 52- Assoc. res. neurophysiologist, West. State Psychiat. Inst. & Clin, 45-47, res. neurophysiologist, 47-49, dir. res, 49-52. AAAS; fel. Psychol. Asn. Comparative studies of learning; etiology of convulsive seizures in animals; effects of electroshock. Address: Dept. of Psychology, University of Pittsburgh, Pittsburgh, Pa. 15213.

PATTON, PROF. R(OBERT) D(EAN), b. Columbus, Ohio, Sept. 9, 01. ECONOMIC. B.S., Ohio State, 22, A.M., 26, Ph.D., 38; fel, Columbia, 29-30. Asst. prof. ECON, OHIO STATE, 30-40, assoc. prof, 40-44, from prof. to EMER. PROF, 44- Hearings officer, War Labor Bd, 43-45. Ed, *J. Higher Ed*, 60. Econ. Asn. History and relationship of economic thought and institutions; higher education and innovative behavior. Address: 11, 140 Sunbury Rd, Galena, Ohio 43021.

PATTON, ROBERT E(PRON), b. N.J., Oct. 5, 21; m. 53; c. 2. STATISTICS. A.B., State Univ. N.Y. Teachers Col, Albany, 41; M.A., Michigan, 49, M.P.H., 51. Assoc. biostatistician, State Dept. Health, N.Y., 51-53; asst. dir. statist. serv. STATE DEPT. MENT. HYG, 53-55, dir, 55-66, ASSOC. CMNR, 66- U.S.N.R., 42-47, Lt. Statist. Asn; Inst. Math. Statist. Pub. Health Asn. Mental health and public health statistics; sampling methods. Publ: Sampling of records, *Pub. Health Reports*. Address: New York State Department of Mental Hygiene, 44 Holland Ave, Albany, N.Y. 12208.

PATTON, ROBERT L(AWRENCE), b. Tulsa, Okla, Dec. 20, 21; m. 41; c. 4. MATHEMATICAL STATISTICS. B.A., Tulsa, 42; B.D., Northwestern, 44; M.Sc., Okla. State, 56; Chicago, 42-43, 48-50. Mem. staff, Lincoln Lab, Mass. Inst. Tech, 55-57; team leader, Syst. Develop. Co, 57-59; group leader adv. projs, missiles & space systs. develop. div, Douglas Aircraft Co, Inc, 59-63; mathematician, performance eval. dept, Air Force West. Range Proj, Int. Tel. & Tel, 63-64, sci. programmer, 64-65, eng. specialist, 65-66; engr, eng. proj. for White Sands Missile Range, Radio Corp. Am, 66;

- prog. specialist, war game progs. for U.S. Army Combat Develop. & Command Exp. Command, Litton Sci. Support Lab, 66-67; LECTR. MATH. PSYCHOL. & PHILOS. PAC; GROVE ADULT SCH, 67- Consult, Alva Lee Mgt. Serv, 61- U.S.N.R., 45-46, 50-52, Lt. Statist. Asn; Opera. Res. Soc. Am. Operations research; command technology; military computer and command control systems; human factors and statistical analysis; management consultation; social psychology; counseling. Publ: Particle size distribution in the air, Douglas Aircraft Co, Missile & Space Sys. Div. Report, 4/63; Bicotar display capability study, Air Force West. Test Range, 11/65; Finite difference signatures, White Sands Missile Range Tech. Report, 9/66. Address: 431 Bishop Ave, Pacific Grove, Calif. 93950.
- PATTON, DR. ROLLIN M (ARCUM), b. Louisville, Ky, Sept. 6, 24; m. 51; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A., Texas Christian, 48; Ph.D. (exp. psychol.), Indiana, 53. Instr. exp. psychol., Akron, 53-55; RES. SCIENTIST, Air Force Personnel & Training Res. Center, 55-56; Lockheed Aircraft Corp, Ga, 56-57, missiles & space div, Calif, 57-62; BIOTECH. DIV, AMES. RES. CENTER, 62- U.S.N., 43-46. Psychol. Asn; Human Factors Soc. Perceptual and motor skills research. Publ: Electromyographic factors in aircraft control, Sch. Aviation Med. Report, 55-133; Fatigue, stress, bodily change and behavior, Wright Air Develop. Center Tech. Report, 57-125; Decrement in a learned drinking response, J. Comp. & Physiol. Psychol., 46: 23-27, 53. Address: Biotechnology Division, Ames Research Center, Mountain View, Calif. 94035.
- PATTON, PRES. WENDELL M (ELTON), JR, b. Spartanburg, S.C., July 10, 22; m. 44; c. 4. PSYCHOLOGY. B.S., Georgia, 46, M.S., 48; Ph.D., Purdue, 51; hon. LL.D., Wake Forest Col., 61. Head dept. psychol., Lander Col., 48-52; sr. assoc., Bruce Payne & Assocs, Inc, 52-55; asst. gen. mgr., Shuford Mills, Inc, 55-59; PRES, HIGH POINT COL., 59- Lectr., Inter-Am. Defense Col., U.S. Army & Labor Forum. Mem. bd. dirs., Wachovia Bank, Life of Carolina & Shuford Mills, Inc. U.S.A.A.F., 42-45, Capt. Psychol. Asn. Executive selection; group analysis; supervisory testing. Publ: Contrib. to, Adv. Mgt. J. Appl. Psychol., Personnel J. Address: 821 W. College Dr, High Point, N.C. 27622.
- PAUK, PROF. WALTER, b. New Britain, Conn, May 1, 14; m. 44; c. 2. EDUCATIONAL PSYCHOLOGY. A.B., Connecticut, 49; Ph.D., Cornell, 55. PROF. ED. & DIR. READING STUDY CENTER, CORNELL, 55- Fulbright lectr., Univ. West Indies, 63-64; prof. col. lib. & fine arts, Univ. Liberia, Cornell Univ.-Agency Int. Develop. Proj., 66-67. U.S.A., 42-46, 51-52, Res, 52-, Lt. Col. Psychol. Asn. Study skills and attitudes; developmental reading at high school, college and adult levels; test construction. Publ: How to study in college, Houghton, 62; Successful scholarship, Prentice-Hall, 66. Address: 304 Olin Hall, Cornell University, Ithaca, N.Y. 14850.
- PAUKER, DR. GUY J (EAN), b. Bucharest, Rumania, Sept. 15, 16; U.S. citizen; m. 60; c. 2. POLITICAL SCIENCE. Lic. es lettres, Bucharest, 38, Lic. en droit, 39, Dr. Pol. & Ec.Sc., 46; A.M., Harvard, 50, Ph.D. (soc. sci.), 52. Lectr. govt., Harvard, 54-56; asst. prof. polit. sci., California, Berkeley, 56-59; SR. STAFF MEM., RAND CORP., 60- Ford faculty fel., 54-55; res. assoc., center int. studies, Mass. Inst. Tech., 54-56; assoc. prof., California, Berkeley, 59-63. Polit. Sci. Asn. Government and politics of Southeast Asia; political development; international relations. Address: Rand Corp, 1700 Main St, Santa Monica, Calif. 90406.
- PAUKER, DR. JEROME D (AVID), b. New York, N.Y., Oct. 4, 25; m. 53; c. 4. CLINICAL PSYCHOLOGY. B.A., Brooklyn Col., 49; M.S., Purdue, 51; Ph.D., Washington (St. Louis), 57. Intern. clin. psychol., Logansport State Hosp., 50-51, staff psychologist, 51-52; Toledo State Hosp., 52-54; asst. med. psychol., sch. med., Washington (St. Louis), 55-57, clin. instr., 57-61, instr. psychol., univ. col., 58-61; staff psychologist, Malcolm Bliss Ment. Health Center, 57-61, dir. psychol. training, 59-61; Fulton State Hosp., Mo., 61-62; asst. prof. clin. psychol., med. sch., Minnesota, 62-68; ASSOC. PROF. MED. PSYCHOL., SCH. MED., MISSOURI, 66-, vis. asst. prof., univ., 61-62. Clin. psychologist, Psychol. Assocs., 59- U.S.A., 43-46. AAAS; Psychol. Asn; Asn. Ment. Deficiency; Soc. Res. Child Develop. Objective personality appraisal; out-of-wedlock pregnancy. Publ: The psychological consultation and the referral, Am. Med. Asn. Arch. Gen. Psychiat., 61; Identification of MMPI profile types in a female, inpatient, psychiatric population using the Marks and Seeman rules, J. Consult. Psychol., 66; Stability of MMPI scales over five testings within a one-month period, Ed. & Psychol. Measurement, 66. Address: Bldg. TD-4 W, University of Missouri Medical Center, Columbia, Mo. 65201.
- PAUL, DR. ALLEN B, b. Gunnison, Utah, Dec. 30, 17; m. 44; c. 2. AGRICULTURAL ECONOMICS. B.S., Illinois, 40, M.S., 41, fel., 45-47, Ph.D. (agr. econ), 47. Asst. prof. food indust. res., Illinois, 47-50; mem. staff, Brookings Inst., 50-53, consult., 56-58; consult. economist, Tenn. Valley Authority, 53-54; Fed. Trade Cmn., 54; private indust., 54-56; AGR. ECONOMIST, U.S. DEPT. AGR., 58- Econ. Asn; Am. Asn. Agr. Econ. (prize, Farm Econ. Asn, 66); Int. Asn. Agr. Econ. Economics of food and agriculture. Publ: Pricing below cost in the soybean processing industry, J. Farm Econ., 8/66; co-auth., Pricing feedlot services through cattle futures, Agr. Econ. Res., 4/67. Address: 5813 Ipswich Rd, Bethesda, Md. 20014.
- PAUL, PROF. BENJAMIN D (AVID), b. New York, N.Y., Jan. 25, 11; m. 36; c. 2. SOCIAL ANTHROPOLOGY. B.A., Chicago, 38, Ph.D., 42. Proj. supvr. Strategic Index of the Americas, inst. human rels., Yale, 42-43; community orgn. specialist, Fed. Serv., Guatemala, 46; res. assoc. soc. anthropol. dept. soc. rels., Harvard, 46-48; asst. prof., 48-51, lectr., sch. pub. health, 51-55, assoc. prof., 55-62, res. asst. Middle Am. ethiol., Peabody Mus., 51-62; PROF. ANTHROP., STANFORD, 63-, CHMN. DEPT., 67- Soc. Sci. Res. Coun. traveling fel., Guatemala Field Trip, 42-43; Commonwealth Fund fel., 50-51; fel., Center Adv. Study Behav. Sci., 62-63. Consult., Nat. Inst. Ment. Health, 57- U.S.A., 44-45. AAAS; fel. Anthropol. Asn. Significance of cultural differences in determining success or failure of health programs; scientific understanding of processes and factors involved in producing social and cultural change at local level. Publ: Ed. Health, culture and community: case studies of public reactions to health programs, 55; co-auth., Trigger for community conflict: the case of fluoridation, 61; Changing marriage patterns in a highland Guatemalan community. Address: Dept. of Anthropology, Stanford University, Stanford, Calif. 94305.
- PAUL, DR. COLEMAN, b. Wilmington, Del, Sept. 17, 36; m. 63; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A., West. Md. Col., 57; M.A., MacMurry Col., 58; Ph.D. (psychol.), Wayne State, 62. ASSOC. PROF. PSYCHOL., ADELPHI, 63- U.S. Pub. Health Serv. res. fel., 62-63; Nat. Sci. Found. res. fel., 63. Psychol. Asn; Psychonomic Soc. Discrimination factors in verbal learning. Address: Dept. of Psychology, Adelphi University, Garden City, N.Y. 11530.
- PAUL, PROF. GILBERT I (VAN), Statist., see Suppl. V to 11th ed, Phys. & Biol. Vols.
- PAUL, DR. GORDON L (EE), b. Marshalltown, Iowa, Sept. 2, 35; m. 54; c. 3. CLINICAL PSYCHOLOGY. B.A., Iowa, 60; M.A., Illinois, Urbana, 62, Nat. Inst. Ment. Health fel., 63-64, Ph.D. (psychol.), 64. Psychologist, Vet. Admin. Hosp., Palo Alto, Calif., 64-65; asst. prof. PSYCHOL., ILLINOIS, URBANA, 65-67, ASSOC. PROF., 67- Univ. Illinois Grad. Res. Bd. res. grant, 65-; U.S. Off. Ed. res. grant, 63-64. Psychother. res. consult., Ment. Res. Inst., 64-65; ment. health consult., State of Ill., 65-; summers, soc. sci. analyst, Vet. Admin. Hosp., Danville, Ill., 62, psychologist, counseling bur., Illinois, 63. Private practice, 64- Am. Inst. Res. award, 64. U.S.N., 54-58, Res, 58-62. Psychol. Asn. Innovation and evaluation of treatment and modification of behavioral and emotional disorders; individual and group psychotherapy; hypnosis; conditioning; institutional treatment programs; social and physiological influence; community programs. Publ: Insight vs. desensitization in psychotherapy; an experiment in anxiety reduction, Stanford, 66; Production of blisters by hypnotic suggestion; another look, Psychosom. Med., 63; Behavior modification research: design and tactics, In: Assessment and status of the behavioral therapies, McGraw, 68. Address: 1402 Briarwood Dr, Champaign, Ill. 61820.
- PAUL, DR. GORDON W, b. Muskegon, Mich., Aug. 12, 33; m. 61; c. 2. MARKETING. B.S., Tulsa, 55; M.B.A., Texas, Austin, 62; Ph.D. (mkt), Mich. State, 66. Asst. instr. MKT., Mich. State, 63-65; ASST. PROF., LA. STATE, 65- U.S.A.F., 55-58, Capt. Mkt. Asn; Sales & Mkt. Execs. Int. Consumer behavior and store patronage. Publ: An interactional approach to investigating food buying behavior, Mich. State Univ., 66. Address: Dept. of Marketing, Louisiana State University, Baton Rouge, La. 70803.
- PAUL, DR. HADASSAH, b. Jerusalem, Israel, Mar. 17, 35; m. 63; c. 1. PSYCHOLOGY. B.A., Hebrew, 61; Ph.D. (psychol.), Wayne State, 66. ASST. PROF. EXP. PSYCHOL., HOFSTRA, 67- Faculty res. grant, Hofstra, 68. Effects of mediating processes on verbal learning and retention. Address: Hofstra University, Hempstead, N.Y. 11550.
- PAUL, DR. IRVING H, b. Montreal, Que., Apr. 8, 28; m. 58. PSYCHOLOGY. B.A., McGill, 49, M.A., 50; Harrison fel., Pennsylvania, 50-52, Ph.D., 54; N.Y. Psychoanal. Inst., 65. Fel. PSYCHOL., Austen Riggs Centre, Inc., 53-54, as-soc., 54-56; asst. prof., N.Y. Univ., 57-63; ASSOC. PROF., CITY COL. NEW YORK, 63- Psychol. Asn. Psychological testing; personality assessment; memory; subliminal stimulation; psychoanalytic process; effects of altered states of consciousness. Publ: Co-auth., Effect of subliminal visual stimulation on images and dreams: a validation study, J. Am. Psychoanal. Asn; auth., The effects of a drug-induced alteration in state of consciousness on retention of drive-related verbal material, J. Nerv. & Ment. Disease, 64; On a scheme theory of remembering, Psychol. Issues, 67. Address: Dept. of Psychology, City College of New York, New York, N.Y. 10031.
- PAUL, PROF. JULIUS, b. Cleveland, Ohio, May 25, 26; m. 52; c. 5. POLITICAL SCIENCE. A.B., Minnesota, 47, Hawaii, 47-48; Harvard, 48-49; summer fel., Denver, 50; fel. scholar & Ph.D. (polit. sci.), Ohio State, 54. Asst. hist., Hawaii, 47-48; polit. sci., Ohio State, 50-53, instr., 54-55; vis. asst. prof., Kenyon Col., 55; asst. prof. govt., Southern Illinois, 55-58; res. grant, 56-59, assoc. prof., 58-59; polit. sci., Wayne State, 59-64, res. grant, 61-62; RES. POLIT. SCIENTIST, WALTER REED ARMY INST. RES., WALTER REED ARMY MED. CENTER, 64- Instr., Denison, 54-55; Am. Philos. Soc. grant, 58-60 & 62-63. Consult., inst. law, psychiat. & criminol., George Washington Univ. Nat. Law Center, 66-68. AAAS; Soc. Psychol. Study Soc. Issues; Polit. Sci. Asn; Soc. Polit. & Legal Philos.; Law & Soc. Asn; Int. Asn. Philos. Law & Soc. Philos. Public law and jurisprudence; political theory; history of ideas; forensic medicine; science and public policy. Publ: Legal realism of Jerome N. Frank, Nijhoff, 59; Supreme Court: mirror of the American Conscience, Am. J. Econ. & Sociol., 10/59; The psychiatrist as public administrator; case in point: state sterilization laws, Am. J. Orthopsychiat., 1/68. Address: 802 Levertown Rd, Rockville, Md. 20852.
- PAULENE, DR. MORRIS M (ICHAEL), Clin. Psychol., see 10th ed, Soc. & Behav. Vols.
- PAULEY, DR. BRUCE F, Cent. European Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- PAULING, DR. FREDERICK J (OSEPH), b. New York, N.Y., Mar. 2, 32; m. 67. PSYCHOLOGY. B.A., Hunter Col., 57; Ph.D. (soc. psychol.), American Univ., 62. Counsr., Pa. State, 57-59; staff psychologist, Goodwill Rehab. Center, D.C., 59-62; res. assoc., Mt. Sinai Hosp., New York, 62-63; asst. prof. PSYCHOL., Alfred, 63-65; Long Island, 65-67; ASSOC. PROF., JOHN JAY COL., CITY UNIV. NEW YORK, 67- Instr., American Univ., 61-62. Consult., Allegheny County, N.Y. Ment. Health Bd., 64-65, mem. postdoctoral prog. psychother., Adelphi, 66-68. U.S.N., 52-53. Psychol. Asn. Processes of attitude organization and change; social influence and behavior control; psychotherapy. Publ: Co-auth., The effect of self-esteem and order of presentation in persuasive communications, 6/65 & The use of the Semantic differential as a measure of attitude change, 9/65, Psychol. Reports; auth., Contributor to panel on promiscuity, In: Modern Woman—her psychology and sexuality, Springer, (in press). Address: Dept. of Psychology, John Jay College of Criminal Justice, City University of New York, New York, N.Y. 10003.

PAULING, DR. NORMAN G(EOGE), b. San Antonio, Tex, May 13, 23; m. 53; c. 1. ECONOMICS. B.A. Texas, 44, scholar, 46, M.A., 47, fel. 49, Ph.D. (labor econ), 52; Fulbright fel, New Zealand, 50-51. Instr. econ. Texas, 46-47; econ. & bus. admin, Vanderbilt, 47-48; asst. dist. economist, Off. Price Stabilization, La, 51-52; supvr. socioecon. res. sect, Arabian Am. Oil Co. Arabia, 52-58, dir. res. & planning div, 59-61; chief div. automation impact studies, off. manpower, automation & training, U.S. Dept. Labor, 62-64; manpower planning consult, Agency Int. Develop, Guatemala, 64-65; CONSULT. ECONOMIST, 65- Mem. nat. adv. coun. Inst. Mediterranean Affairs, 67- U.S.A., 43-46. Econ. Asn; Planning Asn; Indust. Rels. Res. Asn. Labor economics; occupational sociology; industrial relations; economic problems of underdeveloped areas; problems of social change. Publ: Employment problem in preclassical English economic literature, Econ. Record; Some neglected areas of research on the effects of automation and other technological change on workers, Univ. Chicago J. Bus, 7/64; Labor separations in an underdeveloped area: a case study of worker adjustment to change, Am. J. Econ. & Sociol, 10/64. Address: 4602 Kling Dr, Alexandria, Va. 22312.

PAULIS, DR. ROBERT J(OSEPH), b. Jermer, Bohemia, Feb. 3, 10; nat. STATISTICS, BUSINESS MANAGEMENT. Bohemian Acad. Sci. traveling fel, France, 31-32; J.D. Charles Univ, Prague, 34; Ph.D. Prague, 38; Columbia, 50-51. Asst. statist. & econ, Columbia, 50-51; chmn. econ. panel, Mid-European Studies Center, N.Y., 51-55; asst. prof. statist. & mgt, St. Francis Col.(Pa), 55-57; statist, Canisius Col, 57-58; ASSOC. PROF. taxes & acct, Bradley, 58-60; STATIST. & MGT, RHODE ISLAND, 60- Fel, regional seminar, Ford Found, 63-64. Summers, econ-in-action fel, Case, 61, lectr, Link Found. Airlines Seminar, 61, vis. prof, Harvard, 62. Consult, Am. Pipeline Asn, 65. Econ. Asn; Am. Acct. Asn; Statist. Asn; Soc. Adv. Mgt. Production and inventory control; operations research; national planning; money market; banking; corporation finance; problems of depreciation; airlines and taxes; economic development in postwar Germany. Publ: Value analysis, 67 & Network diagrams methods, 67, Inst. Heavy Indust; Coal and steel community: coal and steel industries in Europe. Address: Dept. of Industrial Management, University of Rhode Island, Kingston, R.I. 02882.

PAULL, DR. A(LLAN) E, b. Regina, Sask, Mar. 5, 18; m. 53; c. 2. STATISTICS. B.A. Manitoba, 38; Ph.D.(exp. statist), North Carolina, 48. Staff consult. statist. & math, grain res. lab, Bd. Grain Cmns, Can, 39-41, 48-50; chief statistician, Abitibi Power & Paper Co. Ltd, 50-61; dir. ops. res, Kimberly-Clark Corp, 61-65; PROF. STATIST, DEPT. MATH, FACULTY ARTS & SCI. & SCH. BUS, TORONTO, 65- R.C.A.F, 41-45, Flight Lt. Am. Statist. Asn; Ops. Res. Soc. Am; Can. Ops. Res. Soc; Royal Statist. Soc. Applications of statistical and mathematical methods in business and industry. Publ: Linear programming: a key to optimum newsprint production, Pulp & Paper Mag. Can; The trim problem: an application of linear programming to the manufacture of newsprint paper, Econometrica; On a preliminary test for pooling mean squares in the analysis of variance, Ann. Math. Statist. Address: Dept. of Mathematics, University of Toronto, Toronto 5, Ont, Can.

PAULL, DR. DONALD, b. Chicago, Ill, Nov. 22, 28; m. 57; c. 2. PSYCHOLOGY. B.S. Illinois, 49, A.M. 51; B.A. Roosevelt Col, 50; Ph.D.(psychol), Ill. Inst. Tech, 54. Asst. psychol, Illinois, 51-52; instr, Ill. Inst. Tech, 52-54; clin. psychol. trainee, Vet. Admin. Hosp, Downey, Ill, 56-58, staff clin. psychologist, Westside Vet. Admin. Hosp, Chicago, 58-63; chief psychologist, Forest Hosp, Des Plaines, 63-64; asst. prof. PSYCHOL, Ill. State Teachers Col. Chicago-North, 66-67; ASSOC. PROF. CHICAGO STATE COL, 67- Lectr, Northwestern, 59-63. Private practice, 64-; consult, psychiat. inst, Circuit Court Cook County, 65- U.S.A., 54-56. Psychol. Asn. Psychotherapy; psychoanalytic theory. Address: 980 Marvell Lane, Highland Park, Ill. 60035.

PAULS, JOHN F, Appl. Math, Statist, see 11th ed, Phys. & Biol. Vols.

PAULSEN, DEAN GAIGE B(RUE), b. Hollandale, Wis, July 22, 05; m. 31; c. 2. PSYCHOLOGY. A.B. Minnesota, 27, Ph.D.(psychol), 30. Asst. prof. PSYCHOL, OHIO, 30-40, assoc. prof, 40-45, PROF, 46-; DEAN UNIV. COL, 54-; supvr. univ. testing, 46-54. Fel, Harvard, 48. Fel. Psychol. Asn. Individual differences in college students; prediction of college success; measurement of motor control. Address: University College, Ohio University, Athens, Ohio 45701.

PAULSEN, DR. JOHN R(OBERT), b. Woburn, Mass, May 14, 24; m. 51; c. 3. INDUSTRIAL PSYCHOLOGY. B.A. Massachusetts, 50; M.S. Purdue, 51, Ph.D.(indust. psychol), 53. Personnel dir, Lake Cent. Airlines, 53-57; res. consult, Prudential Ins. Co, 57-59, res. mgr, 59-61; staff psychologist, INT. BUS. MACH. CORP, 61-62, MGR. ENG. PERSONNEL SERV, 62- U.S.A.A.F, 42-46. Psychol. Asn. Manager selection and development. Address: Dept. 502, Office Products Division, International Business Machines, Lexington, Ky. 40507.

PAULSON, DR. BELDEN HENRY, b. Oak Park, Ill, June 29, 27; m. 54; c. 2. POLITICAL SCIENCE. B.A. Oberlin Col, 50; M.A. Chicago, 55, Ph.D.(polit. sci), 62. Co-dir, Congregational Church Rehab. Proj, Italy, 50-53; proj. dir, pilot refugee proj, Homeless European Land prog, Sardinia, 57-59; consult. refugee prog, Europe, UN Higher Cmnr. Refugees, 60-61; asst. prof. POLIT. SCI, WISCONSIN, MILWAUKEE, 62-67, ASSOC. PROF, 67- Res. grants, Univ. Wisconsin Land Tenure Center, Brazil, summer 63, Univ. Wisconsin Grad. Sch, Italy, summer 64 & Soc. Sci. Res. Coun, Brazil, 67-68. U.S.N.R., 45-46. Polit. Sci. Asn; Latin Am. Studies Asn; Adult Ed. Asn. U.S. Developing areas; community development. Publ: Political patterns in northeast Brazil, Univ. Wisconsin, 64; The searchers: conflict and communism in an Italian town, Quadrangle, 66; Research, training and action in Milwaukee's inner core, Adult Leadership, 4/67. Address: Dept. of Political Science, University of Wisconsin, Milwaukee, Wis. 53201.

PAULSON, DR. MORRIS J(AMES), b. Medicine Hat, Alta, Jan. 10, 21; nat; m. 47. CLINICAL PSYCHOLOGY. B.Ed, Alberta, 48, M.Ed, 49; U.S. Pub. Health Serv. fel, 55-56, Ph.D. Kansas, 56. Teacher, pub. sch, Can, 40-41, v.prin, 47-48; asst. instr. psychol, Kansas, 52-54, 55-56, intern, med. cen-

ter, 54-56; instr. MED. PSYCHOL, DEPT. PSYCHIAT, CENTER HEALTH SCI, SCH. MED, CALIFORNIA, LOS ANGELES, 56-63, ASST. PROF, 63- R.C.A.F, 41-45. Psychol. Asn. Psychological concomitants of premenstrual tension and areas of psychosomatic involvement; psychodiagnosis; psychotherapy; battered and abused child-parent attitudes and child rearing practices; suicide in the preadolescent child. Address: Dept. of Psychiatry, Center for Health Sciences, University of California, Los Angeles, Calif. 90024.

PAULSON, PROF. STANLEY, Speech, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

PAULUS, DR. DIETER H, b. Reutlingen, Germany, Oct. 3, 37; m. 57; c. 1. EDUCATIONAL RESEARCH. B.Ed, Illinois State, 60, M.S., 62; Ph.D.(ed. psychol), Cornell, 67. ASST. DIR. BUR. ED. RES, UNIV. CONNECTICUT, 66- Ed. Res. Asn; Asn. Comput. Mach; Statist. Asn. Computer applications; natural language computing. Publ: Co-auth, Critical thinking readiness in grades 1-12, Cornell Critical Thinking Proj, 66. Address: Bureau of Educational Research, University of Connecticut, Storrs, Conn. 06268.

PAULY, DR. MARK VINCENT, b. Cincinnati, Ohio, Nov. 24, 41; m. 67. ECONOMICS. A.B. Xavier (Ohio), 63; M.A. Delaware, 65; Ph.D.(econ), Virginia, 67. Res. assoc. ECON, Virginia, 66-67; ASST. PROF. NORTHWESTERN, 67- Econ. Asn. Economics of public expenditures, especially of education and health; theory of non-market decision-making; industrial organization. Publ: Public-private interaction in provision of education, Am. Econ. Rev, 3/67; Clubs, commonality, and the core, Economica, 8/67. Address: Dept. of Economics, Northwestern University, Evanston, Ill. 60201.

PAUSTIAN, PROF. PAUL W(ILLIAM), b. Stafford, Kans, Mar. 8, 96; m. 49; c. 2. ECONOMICS. A.B. Cent. Wesleyan Col, 19; B.D. Drew, 23; A.M. Columbia, 23, Ph.D., 30. Prof. econ, Punjab, 24-28; instr, Columbia, 28-31; dir, div. soc. studies, Stephens Col, 31-42; prof. econ, Alabama, 47-67, acting dir, bur. bus. res, 58-59; DISTINGUISHED PROF. ECON, SAMFORD, 67- Instr. Am. Inst. Banking, 28-31. Res. coordinator, Ala. Bus. Res. Coun, 55-67, proj. dir, Small Bus. Admin. Res. Prog, 59-61; Mobil-Alabama-Coosa River Basin Econ. Base Study, Univ. Alabama contract with Dept. Health Ed. & Welfare, 65-67. U.S.A.A.F, 42-47, Lt. Col. Econ. Asn. Economic changes and potentials of selected oriental countries and areas; economic theory: canal irrigation in the Punjab. Publ: Co-auth, Economic base study, Mobile-Alabama-Coosa River basin, 67 & Alabama's manufacturing economy, 68, Bur. Bus. Res, Univ. Alabama. Address: Dept. of Economics, Samford University, 800 Lakeshore Dr, Birmingham, Ala. 35209.

PAVALKO, DR. RONALD M(ICHAE), b. Youngstown, Ohio, Sept. 20, 34; m. 60; c. 2. SOCIOLOGY. B.A. California, Los Angeles, 56, M.A. 61. Ph.D. (sociol), 63. Asst. prof. SOCIOL, Wisconsin, 63-67; ASSOC. PROF. FLA. STATE, 67- U.S. Pub. Health Serv. res. grant, 65-67. U.S.A. 56-58. Am. Sociol. Asn; Can. Sociol. & Anthropol. Asn. Sociology of occupations, education and social stratification. Publ: Sociology of education: a book of readings, Peacock, 68; co-auth, Socioeconomic status and college plans, Sociol. Ed, summer 66; Peer influences on college plans, Can. Rev. Sociol. & Anthropol, 11/66. Address: Dept. of Sociology, Florida State University, Tallahassee, Fla. 32306.

PAVEY, DR. STANLEY, b. New York, N.Y., Sept. 11, 30. PSYCHOLOGY. B.A. City Coll. New York, 52, M.S., 55; Ph.D. Ohio State, 61. Counsr, voc. consult. & testing div, Polytech. Inst. Brooklyn, 56-58; counseling & testing center, Ohio State, 60-61; ASST. PROF. PSYCHOL. UNIV. & COUNSR. COUNSELING CENTER, MARYLAND, 61- U.S.A. 53-55. Psychol. Asn. Counseling and psychotherapy; personality; time perspective. Address: University Counseling Center, University of Maryland, College Park, Md. 20742.

PAVLIK, DR. WILLIAM B(RUCE), b. Cleveland, Ohio, Feb. 29, 32; m. 54; c. 4. EXPERIMENTAL PSYCHOLOGY. B.S. Western Reserve, 53; M.A. Ohio State, 55, Ph.D.(psychol), 56. Asst. PSYCHOL, Ohio State, 54-55. res. assoc. res. found, 55-56; asst. prof. Western Michigan, 56-60; Rutgers, 60-64, assoc. prof. 64-68; PROF. & HEAD DEPT. VA. POLYTECH. 68- AAAS: Psychol. Asn; Psychonomic Soc; Animal Behav. Soc. Experimental study of theoretical propositions of learning and motivation: animal behavior. Publ: Co-auth, A reversed partial reinforcement effect, 70. 65. Strength of alternative responses and subsequent choices, 74. 67 & Effects of reinforcement schedules on reward shifts, 74. 67, J. Exp. Psychol. Address: Dept. of Psychology, Virginia Polytechnic Institute, Blacksburg, Va. 24061.

PAWLING, PROF. JOHN, b. Coatesville, Pa, May 4, 13; m. 61; c. 2. GEOGRAPHY. B.A. North Dakota, 55; Fulbright fel, Pa. State, 57, M.S. 58; univ. fel, Boston, 58-59, Nat. Sci. Found. fel, 59. Supvr. sanit. & pub. health, Creole Petrol. Corp, Venezuela, 45-51; asst. geog. Pa. State, 55-57, agr. econ, 57-58; instr. geog, Bay City Jr. Col, 59-60; asst. prof. Morehead State, 60; NATURAL SCI. & GEOG. DELTA COL, 61-65, ASSOC. PROF. 65- AAAS: Asn. Am. Geog; Am. Geog. Soc; Acad. Polit. & Soc. Sci; Latin Am. Studies Asn. Medical, physical, and agricultural geography; climatology. Publ: Diet in disease; Cacao industry of Costa Rica; Medical geography of northeast Venezuela. Address: Science Division, Delta College, University City, Mich. 48710.

PAYDARFAR, DR. ALI AKBAR, b. June 26, 28; Iranian citizen; m. 13; c. 3. SOCIOLOGY, SOCIAL DEMOGRAPHY. B.A. Tehran, 50, B.L.L., 54; univ. fel, Kentucky, 56-61, M.A. 60, Pop. Coun. fel, 61-62, Ph.D.(sociol), 62. Asst. prof. sociol, Cornell, 62-63; St. Lawrence, 63-65; res. scientist, HumRRO, George Washington, 65-66, assoc. prof. sociol, univ, 65-67; SR. RES. SCIENTIST, INT. RES. INST. AM. INSTS. RES. BEHAV. SCI, 66- Assoc. prof, Pahlavi Univ, Iran, 67-69. Pop. Asn. Am; Sociol. Asn; Soc. Int. Develop. Research planning and investigation of planned socio-economic development and human fertility, family planning and other social demographic analysis of developed and developing nations. Publ: Absorptive capacities of local communities in adopting planned socio-economic change, 66 & Modernization and demographic characteristics of Iranian provinces, 67, Am. Insts. Res. Behav. Sci; Modernization process and demographic change, Sociol. Rev, England, 7/67. Address: International Research Insti-

- tute, American Institutes for Research in Behavioral Sciences, 8555 16th St, Silver Spring, Md. 20910.
- PAYN, DR. BENJAMIN ROBERT, b. Swir, Russia, Dec. 24, 13; nat; m; c. 2. ECONOMICS, INTERNATIONAL RELATIONS. D.Lett, Paris, 38; Adv. Sch. Int. Studies, Paris, 38; Columbia, 43. Adv. press & info. serv. Provisional French Govt, N.Y. 43-44; PRES. CAMN LABS, INC. 46- Pres. West. Tech. Corp., 54-; Lamford Paper Int. Ltd. Knight, French Legion Honor. French Army, 39-40. Polit. Sci. Assn. United States foreign investments; Latin American industrial development; European industrial and economic development. Publ: Jerusalem contre Rome; French legislation in exile, J. Comp. Legis. & Int. Law. Address: 103 E. 86th St, New York, N.Y. 10028.
- PAYNE, DAN, b. Cleveland, Okla, Nov. 6, 31; m. 53; c. 2. PSYCHOLOGY. B.A. & M.A., Ohio, 58. Clin. psychologist, Pueblo State Hosp, Colo, 58-59; sr. res. assoc. eng. psychol, Am. Inst. Res, Pa, 59-60, assoc. res. scientist, 60-62, res. scientist, 62-64, sr. res. scientist, 64-65, assoc. prog. dir. eng. psychol, 65-66; PROG. DIR. INFO. SYSTS, WEST. INTERSTATE CMN. HIGHER ED, 66- Sig.C, U.S.A., 51-54, Sgt. Psychol. Assn; Human Factors Soc. Information systems, especially those of benefit to mental health problems. Publ: Co-auth, A textual abstracting technique: preliminary development and evaluation support, 62 & Automatic abstracting evaluation support, 64, Am. Inst. Res; auth, A regional census of mental retardation: the system and its reliability, West. Interstate Cmn. Higher Ed, 67. Address: Western Interstate Commission for Higher Education, 30th St, E. Campus, Boulder, Colo. 80302.
- PAYNE, DR. DAVID A, b. Indianapolis, Ind, July 3, 35; m. 57; c. 4. PSYCHOLOGY, EDUCATION. A.B, Hope Col, 57; M.A., Mich. State, 58, Ph.D. (counseling), 61. Asst. instr. ed, Mich. State, 61, instr. 61-62; asst. prof. MEASUREMENT & STATIST, SYRACUSE, 62-66, ASSOC. PROF, 66- Summer consult, Nat. Sci. Found. & AAAS, 65, East. Regional Inst. Ed, 66. Psychol. Assn; Ed. Res. Assn; Nat. Coun. Measurement in Ed; Personnel & Guid. Assn. Educational and psychological test development; self-concept; motivation; foreign language learning. Publ: Co-ed, Educational and psychological measurement: contributions to theory and practice, 67 & auth, The specification and measurement of learning outcomes, 68, Blaisdell; A note on skewness and internal consistency reliability estimates, J. Exp. Ed, 32: 43-46. Address: 337 Huntington Hall, Syracuse University, 150 Marshall St, Syracuse, N.Y. 13210.
- PAYNE, DR. DONALD E(LESLY), b. Bethlehem, Pa, Mar. 2, 30; m. 49; c. 4. PSYCHOLOGY. B.A., Lehigh, 52; M.A., Ohio State, 54, U.S. Pub. Health Serv. scholar, 55-56, Ph.D. (psychol), 56. Asst. psychol, Ohio State, 52-53; clin. psychol. trainee, Vet. Admin. Hosp, Chillicothe, Ohio, 53-55; consult. psychologist, Nordli, Ogan, Wilson Assocs, Inc, 56-58; asst. prof. psychol, Bridgeport, 58; sr. scientist, Pub. Serv. Res, Inc, 59-64, secy, 60-64; assoc. res. dir. MKT. RES, Marplan Div, Interpub. Group of Co, Inc, 64-67; SR. RES. SUPVR, OXTOBY-SMITH, INC, 67- Sr. res. assoc. Dunlap & Assocs, Inc, 58-64; lectr, City Col. New York, 60-64; grad. sch. commn, Fairfield, 66- Summers, psychologist, Harding Sanitarium, 54, clin. psychologist, Columbus Receiving Hosp, Ohio, 55. Adv. res. ed, J. Typographic Res, 67- Mem. road user characteristics cmt, Hwy. Res. Bd, Nat. Acad. Sci-Nat. Res. Coun, 64- U.S.A., 46-47. AAAS; Pub. Health Assn; Asn. Pub. Opinion Res; Mkt. Assn; N.Y. Acad. Sci. Communications; marketing; applied experimental social psychology. Publ: Ed, The obstinate audience, Found. Res. Human Behav, 65; auth, Jet set, pseudo-store, and new product development, J. Mkt. Res, 66; Looking without learning: eye movements when viewing print advertisements, Proc. Am. Mkt. Assn, 67. Address: Blueberry Hill, Weston, Conn. 06880.
- PAYNE, PROF. JAMES P, JR, b. Gilliam, Mo, Aug. 22, 20; m. 47; c. 3. ECONOMICS, POLITICAL SCIENCE. A.B, William Jewell Col, 42; M.S., Okla. State, 48; fel, Illinois, 48-50, Ph.D. (econ. & polit. sci), 51. Instr. William Jewell Col, 46-47; asst. Okla. State, 47-48; asst. prof. ECON. LA. STATE, 51-52, assoc. prof, 52-60, prof, 60-66, ALUMNI PROF, 66-. GRAD. COORDINATOR DEPT, 65-. Instr. U.S. Naval Reserve Officers Sch, 55-56, 59-60. U.S.N.A.F., 42-46, Res, 46-, Lt. Comdr. Econ. Assn; Soc. Traffic & Transportation. Public policy; transportation and public utilities; regulation and management functions; cost of capital and the fair rate of return. Publ: Competition or consolidation for United States international air carriers; Economic aspects of international air transportation; Analysis of the Louisiana economic situation. Address: Dept. of Economics, College of Business Administration, Louisiana State University, Baton Rouge, La. 70803.
- PAYNE, DR. LAVETA M, b. Lebanon, Kans, Feb. 20, 16. EDUCATION, PSYCHOLOGY. B.A., Union Col, 40; M.A., Nebraska, 43, Ph.D. 52; B.A., Atlantic Union Col, 66. Elem. teacher, Kans, 34-36 & Nebr., 40-41, high sch, Va, 41-46 & Nebr., 46-50; instr. physics, Eng. & math, exten. div, Nebraska, 50-51; from asst. prof. to assoc. prof. ED. & PSYCHOL, Columbia Union Col, 51-59; PROF, Atlantic Union Col, 59-66; SOUTH. MISSIONARY COL, 66-. Curriculum consult, Newhold Col, Eng, 55-57. Publ: Called to teach, Rev. & Herald Pub. Assocs, 68. Address: Southern Missionary College, Collegedale, Tenn. 37315.
- PAYNE, PROF. M(AXWELL) CARR, JR, b. Nashville, Tenn, Feb. 9, 27. PSYCHOLOGY. A.B, Vanderbilt, 49; A.M., Princeton, 50, Ph.D. (psychol), 51. Res. assoc. PSYCHOL, Illinois, 51-54; from asst. prof. to PROF, GA. INST. TECH, 54- U.S.N.R., 45-46. AAAS; Psychol. Assn. Audition; perception; experimental psychology. Address: School of Psychology, Georgia Institute of Technology, Atlanta, Ga. 30332.
- PAYNE, DR. PAUL A, b. Frederick, Okla, Feb. 21, 31; m. 58; c. 2. PSYCHOLOGY. B.A., Phillips, 53, B.D., Yale, 56; M.A., Ohio State, 62, Ph.D. (counseling psychol), 64. Minister, Northwest Christian Church, Columbus, Ohio, 56-60; asst. instr. psychol, Ohio State, 63-64; ASST. PROF. PSYCHOL. & COUNSR. COUNSELING SERV, CINCINNATI, 64- Psychol. consult, Munic. Court Psychiat. Clin, Ohio, 66-67. Psychol. Assn. Counselor prediction and supervision, use of tests in counseling. Publ: Placebo effects in test taking, 68, The use of a situation test for predicting counselor performance, (in press) & co-auth, Effects of supervisor style and empathy upon counselor learning, (in press), J. Counseling Psychol. Address: 325 Pharmacy Bldg, University of Cincinnati, Cincinnati, Ohio 45221.
- PAYNE, PROF. RAYMOND, b. Shelbyville, Ky, Apr. 11, 19; m. 41; c. 2. SOCIOLOGY. B.S., Kentucky, 48, M.S., 49; Ph.D. (rural sociol), Cornell, 51. Asst. rural sociol, Kentucky, 48-49; Cornell, 49-51; asst. prof. SOCIOL, Oklahoma, 51-52; Miss. State Col, 52-53; GEORGIA, 53-56, from assoc. prof. to PROF, 56-, ACTING HEAD DEPT, 61- U.S.A., 44-46. Sociol. Assn; Rural Sociol. Soc; Soc. Study Social Probs. Community organization; criminology; industrial sociology; personality development. Publ: Approach to the study of the relative prestige of formal organizations & Some theoretical approaches to the sociology of aging, Social Forces; Citizen conception of the ideal role of the school among youth service agencies, J. Ed. Sociol. Address: Dept. of Sociology, University of Georgia, Athens, Ga. 30602.
- PAYNE, DR. ROBERT B(RYAN), b. Mt. Sterling, Ill, Oct. 23, 14; m. 41; c. 1. PSYCHOLOGY. A.B., Maryville Col, 36; A.M., Indiana, 38; Ph.D. (psychol), 42. Res. psychologist, U.S. Air Force Sch. Aviation Med, 46-48, head dept. psychol, 49-57; dir. biol. sci, arctic aeromed. lab, U.S. Air Force, 57-59; dep. chief med. res. div, U.S. Air Force Sch. Aerospace Med, 59-61, dir. med. res. & chief opers. div, 61-64; dep. for. tech, hq. aerospace med. div, U.S. Air Force, 64-68; PROF. PSYCHOL, GEORGIA, 68- Adj. prof, Trinity (Tex) & Texas A&M, 63-68; lectr, St. Mary's, 67-68. Consult, Univ. Texas M.D. Anderson Hosp. & Tumor Inst, 52-53; U.S. Air Force Surgeon Gen, 65-68. U.S.A.F., 41-68, Col. Fel. Psychol. Assn. Psychopharmacology; perceptual-motor skills; fatigue; vigilance. Publ: Co-auth, The effects of experimentally induced attitudes upon task proficiency, 47: 267-273 & auth, An extension of Hullian theory to response decrements resulting from drugs, 55: 342-346, J. Exp. Psychol; co-auth, Restoration of tracking proficiency as a function of amount and delay of analeptic medication, J. Comp. & Physiol. Psychol, 50: 146-149. Address: Dept. of Psychology, University of Georgia, Athens, Ga. 30601.
- PAYNE, PROF. R(OBERT) W(ALTER), b. Calgary, Alta, Nov. 5, 25; m. 48; c. 3. PSYCHOLOGY. B.A., Alberta, 49; dipl, London, 50, Ph.D. (psychol), 54. Consult. psychol, West Park Hosp, Epsom, Eng, 50-52; lectr, inst. psychiat, Maudsley Hosp, Univ. London, 52-59; assoc. prof. clin. psychol. & head sect, Queen's (Ont), 59-64, prof. PSYCHOL. & chmn. grad. studies, 64-65; PROF. & CHMN. DEPT. BEHAV. SCI, SCH. MED, TEMPLE, 65- Stratton res. award, 64. Can. Army, 43-45. Am. Psychol. Assn; Can. Psychol. Assn; fel. Brit. Psychol. Soc. Method and theory in clinical psychological practice. Publ: Diagnostic and personality testing in clinical psychology, Am. J. Psychiat; Cognitive abnormalities, In: Handbook of abnormal psychology; co-auth, Thought disorder in psychotic patients, In: Experiments in personality. Address: Eastern Pennsylvania Psychiatric Institute, Henry Ave. & Abbottsford Rd, Philadelphia, Pa. 19129.
- PAYNE, PROF. THOMAS, b. Fulton, Mo, Apr. 11, 20; m. 43; c. 2. POLITICAL SCIENCE. A.B, Westminster Col. (Mo), 41; M.A., Chicago, 48, Ph.D. (polit. sci), 51. Instr. POLIT. SCI, Tennessee, 48-50; MONTANA, 51-52, asst. prof, 52-56, assoc. prof, 56-59, PROF, 59-, chmn. dept, 59-66. U.S.A.A.F., 42-46, 1st Lt. Polit. Sci. Assn. Public administration; political behavior: parties, interest groups, voting behavior. Address: 112 Pattee Creek Dr, Missoula, Mont. 59801.
- PAYNE, DR. THOMAS A(LAN), b. Washington, D.C, Aug. 31, 21; m. 57; c. 1. PSYCHOLOGY, HUMAN ENGINEERING. A.B, Maryland, 47; M.A., Illinois, 50, Ph.D. (psychol), 52. Asst. psychol, Illinois, 47-52, res. assoc, 52-53; res. psychologist, U.S. Air Force, 53-54; asst. prof. psychol. & dir. aviation psychol, Maryland, 54-56; head human factors, Glenn L. Martin Co, Md, 56; Douglas Aircraft Co, Calif, 56-59; head human factors res, HUGHES AIRCRAFT CO, 59-60, head res. projs, 60-62, sr. mem. tech. staff, 62-65, head human factors staff, 66-67, SR. MEM. TECH. STAFF, 67- U.S.A.A.F., 43-46, 1st Lt. Psychol. Assn; Human Factors Soc; Sci. Res. Soc. Am. Training; training devices; visual perception; human tracking performance; equipment design; displays and controls; system human engineering. Address: 62 61st Place, Long Beach, Calif. 90803.
- PAYNE, DR. WILLIAM H(ARRIS), Exp. Psychol, see Suppl. V to 11th ed, Phys. & Biol. Vols.
- PAYNE, DR. W(INFIELD) SCOTT, b. Denver, Colo, Jan. 20, 17; m. 44; c. 2. POLITICAL ECONOMY, GOVERNMENT. B.A., Colorado, 39, M.A., 41; Littauer fel. & M.P.A., Harvard, 47, Ph.D. (polit. econ. govt), 55. Admin. asst, Off. Defense Transportation, 43-44; economist, U.S. Bur. Budget, 44-46; mem. staff, Cmt. on Pub. Admin. Cases, 48-50; transportation economist, U.S. Dept. Commerce, 50; indust. analyst, President's Mat. Policy Cmn, 51-52; proj. chmn, Res. Anal. Corp, Hopkins, 52-63; MEM. SR. RES. STAFF, SCI. & TECH. DIV, INST. DEFENSE ANAL, 63- U.S.M.C., 42. AAAS; Polit. Sci. Assn; Opers. Res. Soc; Econ. Assn. Systems analysis; political theory; public administration and policy; transportation economics. Publ: Contrib. The Latin American proceeding; Air search and rescue program, Pub. Admin. & Policy Develop. Address: 6515 Broxburn Dr, Bethesda, Md. 20034.
- PAYNTER, DR. RICHARD H(ENRY), Psychol, see 10th ed, Soc. & Behav. Vols.
- PAYNTON, DR. CLIFFORD T(HOMAS), b. Barrhead, Alta, July 30, 29; m. 55; c. 1. SOCIOLOGY. B.A., Seattle Pac. Col, 58; M.A., Washington (Seattle), 61, Ph.D. (sociol), 64. Acting asst. prof. SOCIOL, California, Los Angeles, 64-65; asst. prof, York (Ont), 65-68; ASSOC. PROF, CALIF. STATE COL. SAN BERNARDINO, 68- Consult. mem. planning cmt, Ont. Curriculum Inst, 65-66; consult, large scale res. proj. on Can. youth, 67- Sociol. Assn. Social psychology; social institutions. Publ: A suggestion for reference group theory: ideation referents and group referents, Can. Rev. Sociol. & Anthropol, 11/66. Address: Dept. of Sociology, California State College, San Bernardino, Calif. 92407.
- PAYZS, DEAN TIBOR, b. Budapest, Hungary, May 16, 13. POLITICAL SCIENCE. Dr. Polit. Sci., Pázmány Peter Univ, Budapest, 34, Dr. Juris. Univ, 35.

Asst. Pázmány Peter Univ, 35-39; instr. Loyola (Ill), 40-43, asst. prof. govt. & chmn. dept, 43-46; DETROIT, 46-48, assoc. prof. POLIT. SCI, 48-50, PROF. 50-, DIR. CENTER HUMAN RELS, 53-, SPEC. ASST. TO PRES. FOR CIVIC & PUB. AFFAIRS, 66-, DEAN CENTER CONTINUING ED. & COMMUN. SERV, 67-, chmn. dept. polit. sci, 48-63, mem. Cmt, Fulbright Scholars, 60. Mem. Wayne County Bd. Supvrs, Mich, 62. Polit. Sci. Asn; Soc. Int. Law. Political philosophy; intergroup relations. Publ: Co-auth. Dictionary of political science, 64 & Handbook of world history, 67, Philos. Library; auth. Human rights, In: The new Catholic encyclopedia, 67. Address: Center for Continuing Education & Community Services, University of Detroit, 4001 W. McNichols, Detroit, Mich. 48821.

PEABODY, DR. DEAN, b. Boston, Mass, May 26, 28; m. 54; c. 2. PSYCHOLOGY. B.A. Swarthmore Col, 49; Ph.D., Harvard, 60. Lectr. PSYCHOL, Columbia, 59-60; asst. prof., Oregon, 60-61; from asst. prof. to ASSOC. PROF., SWARTHMORE COL, 61- Psychol. Asn. Social psychology; cognitive processes. Publ: Attitude content and agreement set in scales of authoritarianism, dogmatism, anti-semitism and economic conservatism, J. Abnorm. & Soc. Psychol; Two components in bipolar scales: direction and extremeness, Psychol. Rev; Trait inferences: evaluative and descriptive aspects, J. Personality & Soc. Psychol. Address: Dept. of Psychology, Swarthmore College, Swarthmore, Pa. 19081.

PEABODY, DR. ROBERT L(EE), b. Seattle, Wash, Dec. 23, 31; m. 58; c. 3. POLITICAL SCIENCE, GOVERNMENT. B.A. Washington (Seattle), 54, M.A., 56; scholar, Stanford, 56-57, Ford Found. fel, 59-60, Ph.D.(polit. sci), 60. Res. fel. govt. studies, Brookings Inst, D.C., 60-61; asst. prof. POLIT. SCI, HOPKINS, 61-65, ASSOC. PROF., 65- Assoc. dir. election coverage proj, New York Times-Simulatics Corp, 62; Soc. Sci. Res. Coun. res. grant, 64-65. U.S.A.R., 49-58. Polit. Sci. Asn. American government; legislative behavior; political parties; organization theory. Publ: Co-ed, New perspectives on the house of representatives, Rand McNally, 63; auth. Organizational authority, Atherton, 64; Party leadership change in the United States House of Representatives, Am. Polit. Sci. Rev, 9/67. Address: 4416 Windom Place N.W., Washington, D.C. 20016.

PEACH, PROF. PAUL, b. St. Louis, Mo, July 15, 02; m. 41; c. 1. STATISTICS. OPERATIONS RESEARCH. A.B. Arizona, 56; Int. Bus. Mach. fel, Case Inst. Tech, 56-57, M.S., 58, Ph.D.(opers. res), 61. Statistician, U.S. Rubber Co, Wis, 42-44; U.S. War Prod. Bd, D.C., 44-45; assoc. prof. statist, N.C. State Col, 45-50; head assessment div. missile testing, U.S. Naval Ord. Test Sta, China Lake, Calif, 50-54; res. assoc. opers. res, Case Inst. Tech, 57-59; sr. opers. res. scientist, Syst. Develop. Corp, Calif, 59-65; Fulbright exchange prof. COMPUT. METHODS, FACULTY ENG, UNIV. MALAYA, 66-68, VIS. PROF. 68- Sci. Res. Soc. Am. Statistical methods in industrial quality control; use of digital computers to supplement human decision making. Publ: Industrial statistics and quality control, Edwards & Broughton, 47; Quality control for management, Prentice-Hall, 64. Address: c/o Brest, 37-06 80th St, Jackson Heights, N.Y. 11372.

PEACH, PROF. WILLIAM N(ELSON), b. Granite, Md, Oct. 21, 12; m. 39; c. 3. ECONOMICS. A.B. Loyola Col.(Md), 35; Ph.D. Hopkins, 39. Instr. econ. Texas, 38-42; asst. mgr. res. & statist. dept. Fed. Reserve Bank, Tex, 42-44; asst. prof. ECON, Texas, 46-47; assoc. prof. Syracuse, 47-49; PROF, OKLAHOMA, 49- Adv. Univ. Pennsylvania-Int. Coop. Admin. Proj, Pakistan, 56-58; spec. consult. select cmt. small bus, U.S. House Rep, D.C., 60; with Int. Coop. Admin. Africa & Arabia, 60; adv. Agency Int. Develop, D.C., 61. Econ. Asn; Finance Asn. National income and resources; basic data of the economy of America and Pakistan; principles of economics. Address: Dept. of Economics, University of Oklahoma, Norman, Okla. 73069.

PEACHER, DR. GEORGINA M(ELICENT), Speech Ther, see 11th ed, Phys. & Biol. Vols.

PEACOCK, DR. JAMES LOWE, b. Montgomery, Ala, Oct. 31, 37; m. 62; c. 2. ANTHROPOLOGY. B.A. Duke, 59; Ph.D.(soc. anthrop), Harvard, 65. ASST. PROF. ANTHROP. Princeton, 65-67; NORTH CAROLINA, CHAPEL HILL, 67- Anthrop. Asn. Symbolic and ideological facets of modernization, especially in Southeast Asia and Southeast United States. Publ: Rites of modernization, Univ. Chicago, 68. Address: Dept. of Anthropology, University of North Carolina, Chapel Hill, N.C. 27514.

PEACOCK, PROF. L(ELON) J(AMES), Physiol. & Comp. Psychol, see 11th ed, Phys. & Biol. Vols.

PEAIRS, DR. RICHARD H(OPE), b. Normal, Ill, Feb. 15, 29; m. 54; c. 3. EXPERIMENTAL PSYCHOLOGY. A.B. Occidental Col, 51; M.A., Ohio State, 56, Ph.D. 58. Asst. psychol. res. found, Ohio State, 54-56, asst. instr, 56-57; asst. prof. Colo. State, 57-59; San Fernando Valley State Col, 59-62; assoc. prof, 63-66, chmn. dept, 65-66; staff assoc. Wash. Off, Am. ASN. UNIV. PROFS, 66, DIR. WEST. REGIONAL OFF, 67- U.S.A. 51-53, Res, 54-60, Capt. AAAS; Psychol. Asn; Asn. Univ. Profs. Address: Western Regional Office, American Association of University Professors, 582 Market St, San Francisco, Calif. 94104.

PEAK, DR. HELEN, b. Dallas, Tex, Mar. 17, 00. PSYCHOLOGY. A.B. Texas, 21; A.M. Radcliffe Col, 24; Ph.D.(psychol), Yale, 30. Clin. psychologist, Girls' Training Sch, Tex, 24-26; instr. psychol, Southern Methodist, 26-27; asst. inst. human rel, Yale, 29-32, Sterling fel, 32-33; prof. psychol, Randolph-Macon Woman's Col, 33-43; res. consult, Nat. Defense Res. Cmt, Tiffany Found, 43; sect. chief, Off. War Info, 43; psychologist, War Prod. Bd, 44-45; bombing analyst, U.S. Dept. War, 45-46; PROF. PSYCHOL, Conn. Col, 46-50; MICHIGAN, 50- Fel. Center Adv. Study Behav. Sci, 58-59; Soc. Sci. Res. Coun. faculty fel, 65-66. Fel. Psychol. Asn.(recording secy, 47-50); Social psychology; learning; motivation; cognitive structure. Publ: Attitude and motivation; Psychological structure and psychological activity; Activation theory, In: Consistency theories, Rand McNally, 68. Address: Dept. of Psychology, University of Michigan, Ann Arbor, Mich. 48104.

PEALY, PROF. ROBERT H, b. Akron, Ohio, May 22, 14; m. 53. POLITICAL SCIENCE. B.S., Akron, 37; M.P.A., Michigan, 52, Mich. Dept. Revenue Tax-

ation fel, 52-53, Ph.D.(polit. sci), 56. Lectr. polit. sci, Michigan, 55-60, assoc. prof, 60-66, res. assoc. inst. pub. admin, 62-61, asst. dir, 61-62, assoc. dir, 62-66; PROF. PUB. AFFAIRS, GRAD. SCH. & DIR. BUR. GOVT. RES. & SERV, WASHINGTON (SEATTLE), 67- U.S.A. 41-45, 2nd Lt. Polit. Sci. Asn; Soc. Pub. Admin. Public administration and finance; state and local government and administration; natural resources. Publ: Co-auth, Michigan department of administration; auth, Comprehensive river basin planning: the Arkansas-White-Red Basins inter-agency committee experience; Organization for comprehensive river basin planning: The Texas and Southeast experiences, Inst. Pub. Admin, Univ. Michigan, 64. Address: 16203-41st Ave. N.E., Seattle, Wash. 98155.

PEAR, DR. JOSEPH J(AMES), b. Chicago, Ill, July 7, 38; m. 66. PSYCHOLOGY. B.S. Maryland, 61; M.A., Ohio State, 64, Ph.D.(psychol), 66. ASST. PROF. PSYCHOL, MANITOBA, 66- Nat. Res. Coun. grant, 67-69; Defence Res. Bd. grant, 68-69. Consult, faculty med, Univ. Manitoba, 68- U.S.A.R., 56-61, Sgt. AAAS; Am. Psychol. Asn; Can. Psychol. Asn. Operant conditioning; verbal behavior; programmed instruction; behavior modification. Publ: Co-auth, Summation of response rates to discriminative stimuli associated with qualitatively different reinforcers, J. Exp. Anal. Behav, (in press). Address: Dept. of Psychology, University of Manitoba, Winnipeg 19, Man, Can.

PEARCE, DR. ANTHONY J, b. Launceston, Eng, Sept. 23, 28; U.S. citizen; m. 52; c. 2. POLITICAL SCIENCE. B.Sc. London Sch. Econ, 52; Ph.D. (polit. sci), California, Berkeley, 59. Instr. humanities, San Jose State Col, 57-59; asst. prof. polit. sci, Mt. Holyoke Col, 59-60; ed, Anchor Books Div, Doubleday & Co, Inc, 60-61; assoc. prof. polit. sci, N.Y. Univ, 61-67; MEM. FACULTY, SOC. STUDIES, FRIENDS WORLD INST, 65- Brit. Army, 49-52, 2nd Lt. Polit. Sci. Asn; Int. Peace Res. Asn. Theories of imperialism; theories of inter-state relations. Publ: Ed, Halford Mackinder, Norton 62; co-ed, Annual survey of United Nations 1963-64, Oceana, 64; ed, Readings in world politics, Oxford Univ, 68. Address: Friends World Institute, Mitchel Gardens, Westbury, N.Y. 11590.

PEARCE, DR. C. A, b. Waynesburg, Ohio; m. 44; c. 3. ECONOMICS, STATISTICS. A.B. Hiram Col, 28; M.A. Kentucky, 30; Ph.D. Wisconsin, 38. Various positions with U.S. Fed. Govt, Nat. Recovery Admin, Soc. Security Bd, Dept. Justice, 33-42; wage stabilization dir, region II, Nat. War Labor Bd, 42-45; DIR, LABOR RES, STATE DEPT. LABOR, N.Y., 45- Econ. Asn; Statist. Asn; Indust. Rels. Res. Asn. Industrial trade practices; labor market analysis; labor law development, administration and effects; labor statistics. Publ: NRA trade practice programs, Columbia, 39; Trade association survey, U.S. Govt. Printing Off, 40; co-auth, Economic effects of minimum wages, N.Y. State, 65. Address: 225 Seaman Ave, Rockville Centre, N.Y. 11570.

PEARCE, PROF. CLIFFORD HOLDEN, b. Central Falls, R.I, Sept. 23, 10; m. 36; c. 3. PSYCHOLOGY. Ph.B. Brown, 32, A.M., 33, fel, 33-34; fel, Princeton, 35-36, Ph.D.(psychol), 36. Lab. asst, Bradley Home, R.I., 36-37; asst. state psychologist, R.I., 37; from instr. to asst. prof. PSYCHOL. & ED. West. Ill. State Col, 37-45; asst. prof. R.I. Col. Ed, 45-47; from asst. prof. to PROF, UNION (N.Y.), 47- Psychol. Asn. Clinical and social psychology; personality theory; scientific creativity. Publ: Pitch specificity of auditory adaptation, J. Gen. Psychol; Response in the median plane localization of sound, J. Exp. Psychol; Creativity in young science students; Except. Children, 5/68. Address: Dept. of Psychology, Union College, Schenectady, N.Y. 12309.

PEARCE, DR. DOUGLAS B(RUCE), b. Los Angeles, Calif, Dec. 12, 13; m. 42. COUNSELING PSYCHOLOGY. A.B. Southern California, 36, M.A., 37; Ph.D. Claremont Cols, 55. Asst. histol. dent. col, Southern California, 35-36, zool, 36-37; teacher, Los Angeles City Bd. Ed, 38-46, coordinator adv. serv, 47-49, supvr, 50-51; lectr. counseling, Claremont Grad. Sch, 52; asst. prof. ed, Los Angeles State Col, 53-55; counsr, counseling & employ, East Los Angeles Col, 56-61, asst. dean, 61-63, assoc. prof. psychol, 62-63; SUPVR. ADVISEMENT SERV, LOS ANGELES CITY SCS, 64- Consult, Nat. Defense Ed. Act, Claremont Grad. Sch, 58; res. & eval. sect, Los Angeles City Bd. Ed, 62-; voc. specialist, bur. hearings & appeals, Dept. Health, Ed. & Welfare, 62- U.S.N., 42-45, Lt. Comdr. Personnel & Guid. Asn; Psychol. Asn. College counseling and guidance; college educational research; invertebrate histology; physiology. Publ: Histology study of Moniezia expansa; Social psychological investigation of the attitudes of high school seniors concerning teachers and teaching as a career. Address: 988 Alta Pine Dr, Altadena, Calif. 91001.

PEARCE, DR. DOUGLAS GRANT, b. Toronto, Ont, July 20, 36. PSYCHOLOGY. B.A. Toronto, 60; Ph.D.(psychol), Hopkins, 64. SCI. OFFICER, DEFENCE RES. ESTAB. TORONTO, 64- Visual perception. Publ: Co-auth, Visual perception of direction for stimuli flashed during saccadic eye movements, Science, 65; auth, The measurement of autokinetic speed, Can. J. Psychol, 66. Address: Defense Research Establishment Toronto, Box 2000, Downsview, Ont, Can.

PEARCE, PROF. REX RAY, b. Smithville, Miss, Dec. 11, 02; m. 28; c. 2. SOCIOLOGY. B.S. Southern Mississippi, 27; M.A., Mississippi, 31. D.Ed, 56; scholar, Peabody Col, 45; Yale, 47; Colorado, 52; Harvard, 54. Prin. high schs, Miss, 27-34; head soc. sci. dept, Copiah-Lincoln Jr. Col, 34-48; assoc. prof. SOCIOLOG. MISS. COL, 48-55, PROF. & HEAD DEPT, 55-, CHMN. DIV. SOC. SCI, 65- Teacher, Civil Aeronaut. Authority, 42. Fel. Sociol. Asn. Educational administration; alcohol education; alcohol and society. Address: Division of Social Sciences, Mississippi College, Clinton, Miss. 39056.

PEARCE, PROF. WALTER H(ERMAN), Econ, see 10th ed, Soc. & Behav. Vols.

PEARCY, DR. G(EOGE) ETZEL, b. Greencastle, Ind, May 2, 05; m. 37. GEOGRAPHY. B.E. California, Los Angeles, 31; M.A. Clark, 32, Ph.D. (geog), 40; Am. Field Serv. fel, Grenoble, 33-34. Asst. prof. econ. geog, Alabama, 39-42; head depts. navig. & aircraft identification, Randolph Field,

- Tex, 42-43; asst. prof. geog. Missouri, 43; geogr. Trans World Airline, 43-50; geog. attaché, For. Serv. U.S. Embassies, Bangkok, Thailand, New Delhi, India, London, Eng. Paris & France, 50-57; GEOGR. U.S. DEPT. STATE, 57-Ed, 36 polit. geog. books in Searchlight Series, D. Van Nostrand Co, 62-67. Asn. Am. Geog. Political geography and cartography. Publ: The west Indian scene, Van Nostrand, 65; co-auth, Handbook of new nations, Crowell, 68. Address: 1100 22nd St, N.W., Apt. 904, Washington, D.C. 20037.
- PEARSON, PROF. THOMAS P(RESTON), b. Can, Oct. 24, 99. POLITICAL SCIENCE. B.A. British Columbia, 21; A.M. Clark, 22; Cornell, 22-23; Ph.D. Columbia, 33. Instr. BARNARD COL. COLUMBIA, 23-31, govt, 31-35, asst. prof, 35-42, assoc. prof, 42-45, prof, 45-65, assoc. dean faculty, 50-53, dean, 53-59, EMER. PROF. GOVT, 65- Spec. lectr. Columbia, 65-66; vis. prof, Swarthmore Col, 66-67; hist. Boston, 67-68. Managing ed, Polit. Sci. Quart, 58-63. Polit. Sci. Asn; Hist. Asn. Transition in English historical writing, 1760-1830. Address: Dept. of Government, Barnard College, Columbia University, New York, N.Y. 10027.
- PEARL, DR. D(AVID), b. Poland, Feb. 15, 21; nat; m. 45; c. 2. PSYCHOLOGY. B.A. Cent. YMCA Col, 42; M.A. Chicago, 48, Ph.D.(psychol), 50. Asst. chief psychologist & dir. res, Vet. Admin. Hosp, Battle Creek, Mich, 51-62; exec. secy. ment. health res. study sect, Nat. Insts. Health, 62-67, personality & cognition res. rev. cmt, NAT. INST. MENT. HEALTH, 67, CHIEF PERSONALITY & COGNITION SECT, BEHAV. SCI. BR, 67- U.S.A., 42-46, Lt. AAAS; fel. Psychol. Asn. Psychopathology; personality and cognitive processes and development. Publ: Ethnocentrism and the self concept, J. Soc. Psychol; Psychotherapy and ethnocentrism & sr. co-auth, Time perception and conflict arousal in schizophrenia, 63, J. Abnormal & Soc. Psychol. Address: 6418 Hollins Dr, Bethesda, Md. 20034.
- PEARL, DR. JACK, b. Lauter, Germany, Sept. 11, 33; U.S. citizen; m. 64; c. 2. EXPERIMENTAL PSYCHOLOGY, PSYCHOPHARMACOLOGY. B.A. Buffalo, 55, M.A., 60; Ph.D.(psychol), Portland, 64. Res. asst. exp. psychol. & psychopharmacol, STERLING-WINTHROP RES. INST, 60-62, assoc. res. biologist, 64-66, RES. BIOLOGIST, 66- U.S.A., 55-57. Animal behavior, including motivation, avoidance learning, punishment, analgesics, tranquilizers, stimulants and narcotic antagonists. Publ: Intertrial interval and acquisition of a lever press avoidance response, J. Comp. & Physiol. Psychol, 63; Suppressing effects of aversive stimulation on subsequently punished behavior, Can. J. Psychol, 64; Inhibition of writhing by narcotic antagonists, J. Pharmacol. & Exp. Therapeut, 66. Address: Sterling-Winthrop Research Institute, Rensselaer, N.Y. 12144.
- PEARLIN, DR. LEONARD IRVING, b. Milton, Mass, Dec. 26, 24; m. 47; c. 2. SOCIOLOGY. A.B. Oklahoma, 49; South. Fel. Fund fel, Columbia, 55-56, Ph.D.(sociol), Columbia, 56. Instr. sociol, North Carolina, 55-55; res. assoc, Ohio State, 56-57; RES. SOCIOLOGIST, NAT. INST. MENT. HEALTH, 57- Lectr, Howard, 66- U.S.A., 43-45. AAAS; Sociol. Asn. Effects of social structure on personality, values and behavior. Publ: Alienation from work: a study of nursing personnel, 6/62 & Social class, occupation and parental values: a cross-national study, 8/66, Am. Sociol. Rev; Unintended effects of parental aspirations: the case of children's cheating, Am. J. Sociol, 7/67. Address: Room 2N216, Bldg. 10, National Institutes of Health, Bethesda, Md. 20014.
- PEARLMAN, DR. SAMUEL, b. New York, N.Y., Nov. 28, 11; m. 42; c. 2. CLINICAL PSYCHOLOGY. B.S.S., City Col. New York, 32; Ph.D.(psychol), N.Y. Univ, 52. Instr. soc. studies, Townsend Harris Div, City Col. New York, 33-37, guid. dir, 37-42; ASSOC. PROF. BROOKLYN COL, 42- Chmn. N.Y. State Bd. Exam. Psychol, 65-; pres, Am. Asn. State Psychol. Bds, 68-69. Dipl. Am. Bd. Exam. Prfnl. Psychol, 53. U.S.A., 43-46. Fel. Psychol. Asn; Inter-Am. Soc. Psychol; Personnel & Guid. Asn; Orthopsychiat. Asn. Diagnostic evaluation; psychotherapy. Address: Brooklyn College, Brooklyn, N.Y. 11210.
- PEARMAN, PROF. J(EAN) R(ICHARDSON), b. Cherry, Nebr, July 15, 15; m. 41; c. 4. ECONOMICS, SOCIOLOGY. M.A., Nebraska, 45; Ph.D., Minnesota, 59. Psychiat. soc. worker, regional off, Vet. Admin, 46-47; from asst. prof. to prof. econ, sociol. & soc. work & adv. & supvr. soc. serv. curriculum, Northern Michigan, 47-64, acting head dept. hist. & soc. scis, 61-62, head dept. econ. & sociol, 62-64; HEAD DEPT. SOC. WELFARE, FLA. STATE, 64- Lectr, Rachham Sch. Grad. Studies, Michigan, 48-59; summer vis. prof, Wisconsin-Milwaukee, 62. Dept. Health, Ed. & Welfare coop. res. grant, 61-62; Mich. State Bd. Alcoholism res. grant, 61. Econ. Asn; Pub. Welfare Asn. Social security economics; school social work; labor economics. Publ: Co-auth, Social services in the school; contrib, Social security, In: Introduction to modern economics; New approaches to agricultural policy; New approaches to agricultural policy, Am. J. Econ. & Sociol. Address: School of Social Welfare, Florida State University, Tallahassee, Fla. 32306.
- PEARMAN, DR. WILLIAM A, b. Trenton, N.J., Sept. 24, 40. SOCIOLOGY. B.A., La Salle Col, 62; M.A. Fordham, 64; Ph.D.(sociol), Pittsburgh, 66. Res. asst, learning res. & develop. center, Pittsburgh, 64-66; ASST. PROF. SOCIOL, FORDHAM, 66- ADMIN. DIR. LINCOLN HALL PLANNING GROUP INST. SOC. RES, 67- Consult, center adv. study ed. admin, Oregon, 65-66. Sociol. Asn. Organizational research; sociology of education; relation of bureaucracies and secondary institutions to their environment. Publ: Co-auth, Working papers on learning research and development center, Learning Res. & Develop. Center, Pittsburgh, 64-66. Address: Dept. of Sociology, Fordham University, Bronx, N.Y. 10458.
- PEARSALL, DR. MARION, b. Brooklyn, N.Y., Apr. 27, 23. ANTHROPOLOGY. A.B., New Mexico, 44; fel. California, 45-47, Ph.D.(anthrop), 50. Asst. prof. sociol. & anthrop, Arkansas, 50; res. officer, Rhodes-Livingstone Inst, Rhodesia, 51; asst. prof. sociol. & anthrop, Alabama, 52-56; soc. sci. resident, Russell Sage Found, Mass, 56-58; ASSOC. PROF. sociol. & rural sociol, KENTUCKY, 58-60, BEHAV. SCI, 60- Mem. nurse scientist grad. training cmt, U.S. Pub. Health Serv, 63-67. Fel. AAAS; fel. Am. Anthropol. Asn; Soc. Appl. Anthropol(ed, Human Orgn, 66-71); Sociol. Asn; Rural Sociol. Soc; fel, Royal Anthropol. Inst. Gt. Brit. Social anthropological fieldwork with
- Klamath Indians, central African peoples and in the American South; social and cultural change and medical anthropology. Publ: Little Smoky Ridge, the natural history of a Southern Appalachian neighborhood; co-auth, Talladega story, a study of community process; Medical behavioral science: a selected bibliography, Univ. Kentucky, 63. Address: Dept. of Behavioral Science, University of Kentucky, Lexington, Ky. 40506.
- PEARSE, DR. PETER HECTOR, b. Vernon, B.C., Nov. 26, 32; m. 57; c. 2. ECONOMICS. B.S.F., British Columbia, 56; M.A. Edinburgh, 59, Can. Coun. fel, 60, Ph.D.(econ), 62. Forester-in-training, B.C. Forest Prod. Ltd, 56-57; asst. lectr. econ, Edinburgh, 59-61; economist, Orgn. Econ. Coop. & Develop, Paris, 61-62; asst. prof. ECON, BRITISH COLUMBIA, 62-67, ASSOC. PROF, 67- Consult, Can. Royal Cmn. Taxation, 63. Can. Econ. Asn; Can. Inst. Forestry. Economics of natural resources and government finance; forestry economics. Publ: Automatic stabilization and the British taxes on income, Rev. Econ. Studies, 2/62; Public management and mismanagement of natural resources in Canada, Queen's Quart, spring 66; The optimum forest rotation, Forestry Chronicle, 6/67. Address: Dept. of Economics, University of British Columbia, Vancouver 8, B.C., Can.
- PEARSE, PROF. ROBERT F(RANCIS), b. Detroit, Mich, Nov. 15, 16; m. 47; c. 2. PSYCHOLOGY. A.B. Olivet Col, 38; M.A. Chicago, 47, Ph.D. 50. Extern, counseling center, Chicago, 48-50; coordinator of exec. develop, Kaiser-Frazer Corp, Mich, 50-52; dir. psychol. serv, H.F. Howard Co, 52-53; exec. v-pres, Worthington Assocs, Inc, Ill, 53-57; consult, Fred Rudge Assocs, Conn, 57-59; dir. personnel, Stop & Shop, Inc, Mass, 59-64; PROF. BEHAV. SCI. & CHMN. DEPT, COL. BUS. ADMIN, BOSTON, 64- U.S.A.F., 48-53, 1st Lt. Psychol. Asn; Sociol. Asn. Personality factors in executive development; use of projective techniques in industrial personnel assessment; counseling business executives; group dynamics. Publ: Superior: subordinate communication problems, Am. Mgt. Asn. Res. Report; Work relations on the shop floor, In: Management by participation, Harper, 67; co-auth, Collective bargaining or collective bludgeoning, Personnel, 68. Address: 159 Tiffany Rd, Norwell, Mass. 02061.
- PEARSON, PROF. F(RANK) A(SHMORE), Agr. Econ, see 10th ed, Soc. & Behav. Vols.
- PEARSON, DR. JOHN S(UMNER), b. Hatton, N.Dak, June 26, 22; m. 43; c. 4. PSYCHOLOGY. B.A. Gustavus Adolphus Col, 44; Ph.D.(psychol), Minnesota, 54. Supvr. bur. psychol. serv, State Dept. Pub. Welfare, Minn, 49-52; CONSULT. CLIN. PSYCHOL, MAYO CLIN, 58- ASSOC. PROF. PSYCHOL, MAYO GRAD. SCH. MED, MINNESOTA, 65- Asst. dir. genetic res. prog, State Dept. Pub. Welfare, Minn, 52- U.S.M.C., 44-45. AAAS; Soc. Human Genetics; Psychol. Asn; Asn. Gifted Children. Genetic factors in human behavior; gifted children; automated personality assessment. Publ: A user's guide to the Mayo Clinic automated MMPI program, Psychol. Corp, 67. Address: Dept. of Clinical Psychology, Mayo Graduate School of Medicine, University of Minnesota, Rochester, Minn. 55901.
- PEARSON, DR. JUDSON, b. Omaha, Nebr, Aug. 4, 22; m. 58. SOCIOLOGY. B.A. Colorado, 46, M.A., 49; Ph.D. Washington (Seattle), 53. Personnel res. analyst, Hardware Mutuals, Wis, 47-48; assoc. sociol, Washington (Seattle), 49-51, 52-53; exec. asst, Richfield Oil Corp, Wash, 51-52; acting asst. prof. sociol, Colorado, 53-54; asst. prof, 54-58; lectr. sociol. & personnel mgmt, European div, Germany, Univ. Maryland, 58-59; asst. prof. sociol, Colorado, 59-64, dir. bur. soc. res, 60-62, ASSOC. PROF. SOCIOL, 64-; DIR. G-PE VALUATION PROJ, WEST. INTERSTATE CMN. HIGHER ED, 63- U.S.A., 43. Fel. Sociol. Asn; Statist. Asn. Statistics; research methods; social stratification; public opinion; industrial sociology. Publ: Co-auth, Message diffusion under uncontrolled conditions & Sales success and job satisfaction, Am. Soc. Rev. Address: Dept. of Sociology, University of Colorado, Boulder, Colo. 80304.
- PEARSON, DR. NORMAN M(ARTIN), b. Ill, July 8, 15; m. 41; c. 2. POLITICAL SCIENCE. A.B. Chicago, 37, Soc. Sci. Res. Coun. fel, 39-40, Ph.D. 43. Prin. examr, int. progs. & agencies, U.S. Bur. Budget, 44-47; spec. asst. to dir. econ. develop. & financial affairs, U.S. DEPT. STATE, 47-49, exec. staff asst. to asst. secy, Inter-Am. Affairs, 49-56, first secy, U.S. Embassy, Montevideo, Uruguay, 56-58, Santiago, Chile, 58-61, counsr. polit. affairs, 61-63, acting consul. gen, Salisbury, Rhodesia, 63-64, ASST. U.S. REP, ORGN. AM. STATES, 65- Polit. Sci. Asn; Soc. Pub. Admin; Econ. Asn. Latin American affairs; political theory; public administration. Publ: General administrative staff to aid the President, Pub. Admin. Rev; National planning for a public works program, Southwest. Soc. Sci. Quart; Fayolism as the necessary complement of Taylorism, Am. Polit. Sci. Rev. Address: Bureau of Inter-American Affairs & Bureau for Latin America, U.S. Dept. of State, 2201 C St, Washington, D.C. 20520.
- PEARSON, OSCAR P(AUL), Econ, Statist, see 10th ed, Soc. & Behav. Vols.
- PEARSON, DR. RICHARD G(USTAVE), b. Camden, N.J., Jan. 1, 31; m. 51; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S. Purdue, 52, M.S. 53; fel. Vet. Admin. Neuropsychiat. Lab, 59-60; Ph.D.(psychol), Carnegie Inst. Tech, 61. Res. psychologist, U.S. Air Force Sch. Aviation Med, 53-57; asst. Carnegie Inst. Tech, 57-60; res. psychologist, aviation crash injury res. div, Flight Safety Found, 60-61; chief psychophysiol. sect, civil aeromed. res. inst, Fed. Aviation Agency, 61-62, eng. psychol, 62-66; ASSOC. PROF. PSYCHOL. & INDUST. ENG, N.C. STATE, 66- Vis. asst. prof, Oklahoma, 63-64; vis. prof, Oklahoma City Univ, 65-66. Mem. cmt. hearing, bioacoustics & biomech, Nat. Acad. Sci-Nat. Res. Coun, 67- U.S.A.F., 53-57. Psychol. Asn; Human Factors Soc; Aerospace Med. Asn; Brit. Ergonomics Res. Soc. Effects of fatigue and drugs on perceptual motor skills; vigilance; work efficiency; human factors in systems design; systems safety engineering; environmental factors. Publ: Co-auth, Adaptive processes determining proprioceptive perception of verticality, J. Exp. Psychol, 57: 367-371; Determinants of injury severity in lightplane crashes, Aerospace Med, 33: 1407-1414; co-auth, Comparative effects of age, sex and drugs upon two tasks of auditory vigilance, Perceptual & Motor Skills, 23: 967-974. Address: Dept. of Industrial Engineering, North Carolina State University, Raleigh, N.C. 27609.

PEARSON, DR. RICHARD JOSEPH, b. Kitchener, Ont, May 2, 38; m. 64; c. 1. ANTHROPOLOGY. B.A. Toronto, 60; Hawaii, 60-61; Ph.D.(anthrop), Yale, 66. ASST. PROF. ANTHROP. HAWAII, 66- Anthrop. Asn; Soc. Am. Archaeology; Far-Eastern Prehist. Asn; Polynesian Soc. Archaeology of East Asia, Southeast Asia and the Pacific Basin. Address: Dept. of Anthropology, University of Hawaii, Honolulu, Hawaii 96822.

PEARSON, PROF. ROSS NORTON, b. Nebo, Ill, June 9, 17; m. 44; c. 3. GEOGRAPHY. B.Ed. Ill. State Norm. Univ, 39; M.S. Wisconsin, 47; Ph.D. (geog), Michigan, 53. Asst. prof. GEOG. Mich. State Norm. Col, 47-51; lectr. MICHIGAN, 51-52, asst. prof, 53-58, assoc. prof, 58-64, PROF, 64-, ASSOC. DIR. ORGN. TROPICAL STUDIES, 67- Chmn. working group pop. mapping, Pan. Am. Inst. Geog. & Hist, 65- U.S.N.R., 42-46, Lt. Asn. Am. Geog; fel. Am. Geog. Soc; Nat. Coun. Geog. Ed. Geography of recreational regions; geography of Latin America; land use. Publ: An outline of physical geography, Barnes & Noble, 68. Address: 1007 Lincoln Ave, Ann Arbor, Mich. 48104.

PEASE, PROF. DAMARIS, b. Toledo, Ohio, Oct. 21, 21. CHILD PSYCHOLOGY. B.S. Ohio State, 44, M.S., 46; Ph.D.(child develop, family rels), Cornell, 53. Instr. home econ, Kansas, 46-48; child develop, Ohio, 48-50; asst. child develop. & family rels, Cornell, 50-53; asst. prof. CHILD DEVELOP. IOWA STATE, 53-55, assoc. prof, 55-65, PROF, 65- Psychol. Asn; Soc. Res. Child Develop; Home Econ. Asn. Developmental aspects of child development; infancy and preadolescence. Publ: Co-auth, Behavior and development from 5 to 12; Observation and parent-child interaction, Am. J. Orthopsychiat; Research on the effects of non-continuous mothering, Child Develop. Address: Dept. of Child Development, Iowa State University, Ames, Iowa 50010.

PEASE, DR. ROBERT WILLIAM, b. Cleveland, Ohio, June 3, 23; m. 49; c. 2. BUSINESS ADMINISTRATION. A.B. Dartmouth Col, 44, M.C.S., 47; Pittsburgh, 52-53; Ph.D.(bus. admin), N.Y. Univ, 57. Asst. buyer furniture, R.H. Macy Co. Inc, N.Y., 47-48; salesman, Repub. Steel Corp, 48-52; instr. mkt. sch. bus. admin, Rutgers, 52-56, asst. prof, 56-58; sr. assoc. Cresap, McCormick & Paget, 58-65; dir. planning, Schering Labs. Div, Schering Corp, 65-66; MGR-IN-CHARGE EAST. REGIONAL MKT. CONSULT. PRACTICE, PEAT, MARWICK, MITCHELL & CO, 66- Mkt. consult, 52-58. U.S.N.R., 43-46; Lt. Comdr. Mkt. Asn. International currency control; sales incentive compensation; marketing administration and management. Address: Management Consultant Dept, Peat, Marwick, Mitchell & Co, 70 Pine St, New York, N.Y. 10005.

PEASE, DR. WILLIAM H(ENRY), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

PEASTREL, DR. AUGUST L, Psychol, see 10th ed, Soc. & Behav. Vols.

PEATMAN, PROF. JOHN GRAY, b. Centerville, Iowa, Mar. 16, 04; m. c. 4. PSYCHOLOGY. A.B. Columbia, 27, M.A. 28, Ph.D.(psychol), 31. Asst. PSYCHOL, Columbia, 27-28; instr, St. Marks Hosp, New York, 28-29; tutor, CITY COL. NEW YORK, 29-31, instr, 31-36, asst. prof, 36-42, assoc. prof, 42-47. PROF. 48-, secy. faculty, 40-65, chmn. dept. psychol, 52-63, assoc. dean, 44-53. Pres. & dir, Off. Res. Inc, 41-58; vis. prof, Columbia, 48; pres. Res. Consults, Inc, 50- Consult, Air Univ, 49. Dipl. Am. Bd. Exam. Prinl. Psychol, 48. Fel. Psychol. Asn; Statist. Asn; Psychonomic Soc. Applied statistics in social sciences; market and communications research; history of psychology and contemporary theory. Publ: Descriptive and sampling statistics; Introduction to applied statistics, Harper, 63. Address: 83 East Ave, Norwalk, Conn. 06851.

PECHMAN, DR. JOSEPH A(ARON), b. New York, N.Y., Apr. 1, 18; m. 43; c. 2. ECONOMICS. B.S. City Col. New York, 37; M.A. Wisconsin, 38, Ph.D.(econ), 42. Economist, U.S. Dept. Treasury, 46-53; assoc. prof. finance, sch. indust. mgt, Mass. Inst. Tech, 53-54; economist, Coun. Econ. Adv, 54-56; Cmt. Econ. Develop, 56-60; EXEC. DIR. STUDIES OF GOVT. FINANCE, BROOKINGS INST, 60-, DIR. ECON. STUDIES, 62- Irving Fisher res. prof, Yale, 66-67. Consult, U.S. Treas. Dept, 61-; Coun. Econ. Adv, 61- U.S.A., 43-45. Econ. Asn; Finance Asn. Taxation; finance; monetary policy. Publ: Federal tax policy, Brookings, 66; co-auth, Analysis of Wisconsin income, Studies in Income & Wealth; co-auth, Social security: perspective for reform. Address: 7112 Wilson Lane, Bethesda, Md. 20034.

PECHSTEIN, DR. L(OUIS) A(UGUSTUS), b. Clinton, Mo, Oct. 30, 88; m. 09; c. 3. PSYCHOLOGY. B.S. Missouri, 12; fel, Chicago, 14-16, Ph.D.(psychol), 16; hon. LL.D. Cincinnati, 49; hon. Litt.D. Cincinnati Conservatory Music, 50. Head dept. math, Okla. Tech. Sch, 12-14; asst. psychol, Chicago, 14-16; prof. psychol. & ed. & head dept, Rochester, 16-22; prof. CINCINNATI, 22-47, dean teachers col, 22-47, dir. war training progs, EMER. DEAN, TEACHERS COL, 47- Pres. Coun. of Ed, 38-44, v.pres, 44. Sanit.C, 17-19, Capt. AAAS; Psychol. Asn. Mental testing; educational measurement. Publ: Psychology of the junior high school pupil; Psychology of the kindergarten primary child; Methods in motor learning. Address: 1321 Michigan Ave, Cincinnati, Ohio 45208.

PECHTEL, DR. CURTIS, b. Milwaukee, Wis, June 30, 20; m. 48. SOCIAL PSYCHOLOGY. B.A. Lewis & Clark Col, 41; M.A. Wisconsin, 46; Ph.D. (psychol), Northwestern, 51. Asst. psychol, Wisconsin, 46, cor. instr, exten, 46-48; res. assoc. dir. behav. res. lab. med. sch, Northwestern, 47-59; consult. psychol, Milwaukee Community Welfare Coun, 60; clin. psychologist, Milwaukee Ment. Health Center, 60-62; asst. prof. psychol, Chicago Med. Sch, 62-63; RES. CONSULT, MT. SINAI HOSP, 63- Lectr. Ment. Hosp. Syst. State of Ill, 55-59; Chicago Col. Osteop, 58-59. Res. consult, Chicago Med. Sch, 57-59. Soc. Biol. Psychiat. Behavioral determinants and patterns; learning and motivation; brain function; olfaction; history, etiology and therapy of mental illness; effects of isolation; social psychology; integration of social sciences. Address: 3926 N. 12th St, Milwaukee, Wis. 53206.

PECK, DR. CECIL P(AGE), b. Lake Park, Minn, Feb. 16, 22; m. 47. PSYCHOLOGY. B.A. Concordia Col, 47; Ph.D. Kentucky, 52. Chief clin. psychol. serv, Vet. Admin. Hosp, Sheridan, Wyo, 51-54; psychol. training unit,

Salt Lake City, 55-56; CHIEF CONSULT. PSYCHOLOGIST, DEPT. MED. & SURG, VET. ADMIN. CENT. OFF, 56-, CHIEF PSYCHOL. DIV, 62- U.S.A.A.F, 42-46, Capt. Clinical psychological personality evaluation and treatment; professional training; perception. Publ: Measurement of quality of medical care; An investigation of association provoking properties and meanings; co-auth, Training in the Veterans Administration, In: Sourcebook for training in clinical psychology, Springer, 64. Address: Dept. of Medicine & Surgery, Veterans Administration Central Office, 810 Vermont Ave. N.W., Washington, D.C. 20420.

PECK, PROF. GEORGE S(HARBER), Econ, see 10th ed, Soc. & Behav. Vols.

PECK, DR. GUSTAV, b. Kishinev, Russia, May 21, 99; nat; m. 59. LABOR ECONOMICS. A.B. Columbia, 21, A.M., 24; Ph.D. Brookings Inst, 28. Asst. prof. econ, South Dakota, 24-26; mem. res. staff, Phila. Bur. Munic. Res, 27-28; ed. staff, Encyclop. Soc. Serv, 28-30; res. staff, President's Cmt. Recent Soc. Trends, 30-33; exec. dir. labor adv. bd, Nat. Recovery Admin, 33-36; mem. bd, Prison Indust. Reorgn. Admin, 38-38; dir. hearings, Wage & Hour Div, U.S. Dept. Labor, 39-41; exec. off. of chmn. consult. to chmn. on manpower, alternate & rep. to War Manpower Cmn, War Prod. Bd, 41-45; SR. SPECIALIST, LEGIS. REFERENCE SERV, LIBRARY OF CONG, 45-, chief econ. div, 54-60. Instr, City Col. New York, 30-33; Hunter Col, summers, 30-33; lectr, American Univ, 36-, adj. prof, 40-; lectr, Catholic Univ, 53-56. Econ. Asn; Indust. Rels. Res. Asn. Wages and profits; economic factors in statutory minimum wages; factors in successful collective bargaining amendments to the Taft-Hartley Act; emergency disputes settlement. Address: Albemarle House, Apt. 822, 4501 Connecticut Ave, Washington, D.C. 20008.

PECK, DR. H(ENRY) AUSTIN, b. Somerville, Mass, Apr. 6, 21; m. 48; c. 3. ECONOMICS. A.B. Tufts Col, 42, M.A. Fletcher Sch. Law & Diplomacy, 47, Ph.D.(econ), 52. Assoc. prof. econ, Maine, 48-59, dir. sch. bus. admin, 59-61, v.pres. acad. affairs, 61-68; PRES. STATE UNIV. N.Y. COL. POTSDAM, 68- Sig.C. U.S.A., 42-46. Econ. Asn. International and regional economics. Publ: Seaports in Maine: an economic study; Freedom, planning and international trade. Address: Pierrepont Ave, Potsdam, N.Y. 13676.

PECK, PROF. LEIGH, b. Rockwall, Tex, Feb. 14, 01. CHILD PSYCHOLOGY. A.B. N.Tex. State Teachers Col, 22; M.A. Texas, 30, Ph.D.(ed. psychol), 34; Chicago, 30, 32. From instr. to assoc. prof. ED. PSYCHOL, TEXAS, AUSTIN, 32-64, EMER. ASSOC. PROF, 64- Acting chief, clin. psychol. serv, Vet. Admin. Hosp, Miss, 48-49. Consult, Austin State Hosp. AAAS; Psychol. Asn; Authors League. Developmental psychology; mental hygiene; creative writing. Publ: Child psychology; Pecos Bill and Lightning; They were made of rawhide. Address: P.O. Box 1094, Port Isabel, Tex. 78578.

PECK, PROF. MAYNARD A(URELIUS), b. Bridgeport, Kans, Dec. 20, 02; m. 30; c. 1. ECONOMICS. B.A. Bethany Col, 30; M.A. Nebraska, 34; fel, Colorado, 45-46, Ph.D., 47. Head dept. bus. Hutchinson Jr. Col, 35-42; assoc. prof, Ottawa (Kans), 42-45; asst. prof. mkt, Colorado, 45-50; PROF. ECON, STERLING COL, 52-, HEAD DEPT. ECON. & BUS, 53- vis. prof. mkt, Calif. State Col. Los Angeles, 68-69. Summers, mem. econ. workshop, Wisconsin, 55, Virginia, 63, Ford. Found. res. fel, Rice, 62. Trustee, Kans. Coun. Econ. Ed, 62- Econ. Asn. Public utilities; coal industry. Publ: History and development of the natural gas industry in Lincoln, Nebraska; Some economic aspects of the coal industry in Boulder County, Colorado; Business education in the liberal arts college. Address: Box 221, Alden, Kans. 67512.

PECK, PROF. ROBERT F, b. Buffalo, N.Y., Sept. 22, 19; m. 46; c. 2. PSYCHOLOGY. B.Sc. Buffalo State Teachers Col, 41; M.Sc. Albany State Teachers Col, 42; Ph.D.(human develop), Chicago, 51. Instr. human develop, Chicago, 47-49, res. assoc, 49-60; assoc. prof. ED. PSYCHOL, TEXAS, AUSTIN, 54-59, PROF, 59-, DIR. RES. & DEVELOP. CENTER TEACHER ED, 65- V.pres. & res. dir, Worthington Assocs, Inc, 50-54. Consult, Soc. Res. Inc, 47-50; Univ. Chicago-Kansas City Study Adult Life, 52-60. U.S.A.A.F, 43-46. Fel. Psychol. Asn; Soc. Res. Child Develop; Inter-Am. Soc. Psychol; Int. Union Sci. Psychol. Personality and social determinants of moral character development; psychological concomitants of successful aging from age thirty-five on; personality determinants of occupational choice and effectiveness. Publ: Co-auth. The psychology of character development, Wiley, 60; auth, Student mental health: the range of personality patterns in a college population, In: Personality factors on college campus, Hogg Found.Ment. Health, 62; A comparison of the value systems of Mexican and American youths, Inter-Am. J. Psychol, 67. Address: 3304 Glen Rose Dr, Austin, Tex. 78731.

PECKENS, PROF. RUSSELL GEORGE, b. Eden, Mich, Oct. 6, 26; m. 49; c. 1. EDUCATIONAL PSYCHOLOGY. B.A. Drake, 46; M.A. South Dakota, 51; E.Ed. Tennessee, 62. Teacher, pub. schs, 49-52, prin. & teacher, 52-53, dir. guid. & counseling, 53-55, counsr, 55-57; asst. prof. PSYCHOL, East Tenn. State, 57-63; Texas Woman's Univ, 63-66; PROF. COLO. STATE COL, 66-, & PAKISTAN PROJ, INST. ED. & RES, UNIV. DACCA, 67- Hogg Found. Ment. Health res. grants, 64-66. U.S.N.R., 44-46. Psychol. Asn; Personnel & Guid. Asn; Ed. Res. Asn. Educational measurement. Address: Dept. of Psychology, Colorado State College, Greeley, Colo. 80631.

PECKHAM, DEAN EDMUND T, b. Worcester, Mass, Feb. 9, 24; m. 46; c. 3. INTERNATIONAL RELATIONS, STUDENT PERSONNEL. A.B. Brown, 48; M.A. Harvard, 49, Ph.D., 54. Asst. prof. hist. & polit. sci. & asst. registr, Rice, 52-58; assoc. prof. hist. & polit. sci., admissions counsr. & for. student adv, Col. of Pacific, 58-62; prof. soc. sci. & dean student life, Raymond Col, 62-67; DEAN STUDENT ACTIVITIES & HOUSING, SAN FERNANDO VALLEY STATE COL, 67- U.S.A., 43-46. United States and Latin-American history. Address: 17560 Parthenia, Northridge, Calif. 91324.

PECKHAM, DR. R(OBERT) H(AMILTON), Optics, see 11th ed, Phys. & Biol. Vols.

PECSOK, DR. JAMES D(UDLEY), b. Cleveland, Ohio, Dec. 3, 22; m. 49; c. 3. PSYCHOLOGY. B.S. Purdue, 46, M.S. 49, Ph.D.(psychol), 51. Personnel asst, Du Pont Co, 51-54; DIV. PERSONNEL MGR, REYNOLDS METALS CO,

- 54- U.S.A. 43-46. Psychol. Asn. Personnel psychology. Address: 7701 Rockfalls Dr, Richmond, Va. 23225.
- PEDERSEN, DR. DARHL M(AX), b. Orem, Utah, Oct. 12, 35; m. 60. PSYCHOLOGY. B.S. Brigham Young, 57, M.S. 58; Nat. Sci. Found. fel. & Ph.D. (personality measurement), Illinois, 62. Asst. prof. PSYCHOL., BRIGHAM YOUNG, 62-66, ASSOC. PROF., 66- CHMN. DEPT., 67- Psychomet. Soc.; Psychol. Asn. Intra- and inter-personal perception, especially impression formation, self-concept and self-disclosure. Publ: Co-auth, Psychological tests and measurement workbook, Pruett, 65; auth, The measurement of individual differences in perceived personality trait relationships and their relation to certain determinants, J. Soc. Psychol., 65: 233-258; Acquiescence and social desirability response sets and some personality correlates, Ed. & Psychol. Measurement, 27: 691-697. Address: 1230 Smith Family Living Center, Dept. of Psychology, Brigham Young University, Provo, Utah 84601.
- PEDERSEN, PROF. HARALD A(NSGAR), b. Niagara, N.Dak, Jan. 16, 11; m. 45; c. 1. SOCIOLOGY, DEMOGRAPHY. A.B. N.Mex. Agr. & Mech. Col., 39; A.M. Louisiana, 42; Ph.D. Wisconsin, 49. Asst. Louisiana, 41-42; rural sociologist, Southwest. Regional Land Tenure Staff, 46; asst. Wisconsin, 46-48; asst. prof. sociol. Miss. State Col., 48-51, assoc. prof. 51-55, prof. 55-57; community develop. adv. Int. Coop. Admin. Pakistan, 57-59; prof. sociol. Montana, 59-63; STATISTICIAN, U.S. BUR. CENSUS, 62- Fulbright scholar, Denmark, 54-55. Consult. demog. & res. U.S. Agency Int. Develop. Pakistan, 63- U.S.A. 42-45. Fel. Sociol. Asn; Pop. Asn. Am; Int. Union Sci. Study Pop. Cultural change; survey methods; population trends. Publ: Cultural evaluation of the family farm concept; Montana's human resources; co-auth, Cotton plantation in transition. Address: U.S. Agency for International Development-Karachi, Dept. of State, Washington, D.C. 20521.
- PEDERSON, DR. DAVID REARDON, b. Fargo, N.Dak, Aug. 18, 39; m. 65; c. 1. PSYCHOLOGY. B.A. Minnesota, 61; M.A. Iowa, 65, Ph.D. (psychol), 68. Res. asst. PSYCHOL, Iowa, 62-64 & 65-66; instr. Western Illinois, 64-65; ASST. PROF. WESTERN ONTARIO, 66- Soc. Res. Child Develop; Psychol. Asn. Motivational variables affecting children's learning. Publ: Associative versus motivational interpretations of reward percentage effects in children's performance, Psychonomic Sci, 67. Address: Dept. of Psychology, University of Western Ontario, London, Ont, Can.
- PEDERSON, DR. LELAND ROGER, b. Bismarck, N.Dak, Jan. 2, 28; m. 55; c. 1. GEOGRAPHY. B.S. Valley City State Col., 52; M.A. Colo. State Col., 53; Ph.D.(geog), California, Berkeley, 65. Elem. & secondary pub. sch. teaching, 45-56; instr. GEOG. Northwestern, 61-65, asst. prof. 65-68; ASSOC. PROF. ARIZONA, 68- U.S.A. 50-52. Asn. Am. Geog. Geography of Latin America; historical geography; history and philosophy of geography. Publ: The mining industry of the Norte Chico, Chile, Northwestern Univ. Studies Geog, 68; United States: area and boundaries, Encyclop. Americana, 64. Address: Dept. of Geography, University of Arizona, Tucson, Ariz. 85721.
- PEDRINI, PROF. D(UILIO) T(HOMAS), b. New York, N.Y., Jan. 15, 25; m. 58. PSYCHOLOGY. A.B. Miami (Fla), 50, M.S. 51; Ph.D.(clin. & ed. psychol), Texas, 58. Intern. State Psychol. Internship Prog, N.Y., 52-53; clin. psychologist, Austin State Hosp, Tex, 53-54, 56; asst. res. psychologist, Tex. Tech. Col., 54-56; res. & clin. psychologist, Texas, 56-59; asst. dir. psychol. servs. & team adv. & coordinator, Glenwood State Sch, 59-61; assoc. prof. PSYCHOL. OMAHA, 61-67, PROF. 67- DIR. PSYCHOL. CLIN, 64, dir. child study clin, 61-64. Dir. psychol. dept, Glenwood State Hosp-Sch, 63- Consult, St. Bernard's Hosp, Council Bluffs, Iowa, 61- U.S.N. 42-46. Psychol. Asn; Asn. Ment. Deficiency. Clinical psychology. Publ: Co-auth, Serpent imagery and symbolism, Col. & Univ, 66, The Vineland Social Maturity Scale: recommendations for administration, scoring and analysis, J. Sch. Psychol, 66 & Where to begin testing on the 1960 Stanford-Binet L-M, 67. Address: Dept. of Psychology, University of Omaha, Omaha, Nebr. 68101.
- PEEBLES, DR. CLARENCE M(ETCALF), b. Carthage, Mo., Oct. 17, 05; m. 28; c. 1. PSYCHOLOGY. A.B. Illinois, 27; B.Mus.Ed. Am. Conservatory, 31; M.A. Northwestern, 39, Ph.D.(ed), 46. Teacher, high sch, 28-46; from asst. prof. to PROF. & ASST. DEAN DENT. SCH. NORTHWESTERN, 46- Consult, Coun. Dent. Ed. Psychol. Asn. Educational guidance, measurement, and administration; survey and analysis of precollege guidance of freshmen in selected liberal arts colleges. Address: Northwestern University Dental School, 311 E. Chicago Ave, Chicago, Ill. 60611.
- PEEK, ROLAND M(ANLEY), b. Freeborn Co, Minn, Nov. 2, 20; m. 45; c. 3. CLINICAL PSYCHOLOGY. B.S. Minnesota, 42, Ph.D.(clin. psychol), 68. Trainee clin. psychol, Vet. Admin. Hosp. & Clin, Minneapolis, 47-51; chief clin. psychologist, Hastings State Hosp, 51-68; CHIEF PSYCHOLOGIST, DEPT. PUB. WELFARE, STATE OF MINN, 68- Clin. instr. psychol, Minnesota, 64- Mem. Minn. State Bd. Exam. Psychol, 64-73, v.chmn, 64-65, chmn, 65-66. C.W.S. U.S.A.A.F, 42-46, Sgt. Psychol. Asn. Personality test construction and validation; personality theory; mental health program planning; training of mental health workers. Publ: Co-auth, Scoring system for the Bender-Gestalt Test & Organization and internal structure of the Minnesota Multiphasic Personality Inventory; auth, Directionality of lines in the Bender-Gestalt Test, J. Consult. Psychol. Address: Grey Cloud Island, St. Paul Park, Minn. 55071.
- PEEL, PROF. ROY V(ICTOR), b. Des Moines, Iowa, July 26, 96; m. 27; c. 2. POLITICAL SCIENCE. A.B. Augustana Col., 20, hon. LL.D. 50; A.M. Chicago, 23, Ph.D.(polit. sci), 27. Instr. N.Y. Univ, 24-25, asst. prof. 27-34, dir. res. pub. admin, 34, assoc. prof. 34-39; prof. govt. & dir. inst. polit. Indiana, 39-53; prof. polit. sci. head dept. & dir. inst. govt. Utah, 53-61; prof. polit. sci. & chmn. div. soc. sci. Calif. Lutheran Col., 61-63; PROF. POLIT. SCI. SAN FERNANDO VALLEY STATE COL., 63- Soc. Sci. Res. Coun. fel. N.Y., 29-30; Inst. Pub. Admin. & Spelman Fund field res. fel. Scandinavia, 34-36; dir. U.S. Bur. Census, 50-52; vis. prof. American Univ, 51, 52-; Mich. State, 60; Calif. State Col. Los Angeles, summer 67. Consult. Local Govt. Surv. Cmn. Utah, 55-56; State Planning Bd. N.J., 56-58; Study Congressional Constituencies, 1952-1967, 67-68. U.S.A.A.F, 18-19, 2nd Lt. Polit. Sci. Asn. Public administration; political behavior; planning.
- Publ: Ed, Better city governments, Annals, 9/38; auth, Political philosophies, In: Colliers Encyclopedia, 50; U.S.—living conditions, In: Encyclopedia Britannica, 62. Address: Dept. of Political Science, San Fernando Valley State College, 18111 Nordhoff St, Northridge, Calif. 91324
- PEELER, DR. RALPH JAMES, JR., b. Gibson, N.C., Dec. 31, 29; m. 55; c. 2. ECONOMICS. B.S. N.C. State, 52, M.S. 54, Ph.D.(agr. econ), 62. Asst. county agent farm mgt, N.C. Exten. Serv, 56-58; dist. mgr, Lindsey Robinson Co, 58-59; res. asst. agr. econ, N.C. STATE, 59-62, asst. prof. 62-67, ASSOC. PROF. ECON, 67- Med.C. U.S.A. 54-56. Agr. Econ. Asn. Agricultural marketing and production. Address: Dept. of Economics, North Carolina State University, Raleigh, N.C. 27607.
- PEELING, PROF. JAMES H(EDLEY), b. York Co, Pa, Mar. 6, 96; m. 26; c. 1; m. 51. URBAN SOCIOLOGY. A.B. Gettysburg Col., 20, A.M. 23; Ph.D. Chicago, 29. Chmn. dept. soc. sci, Indianapolis Teachers Col., 28-30; assoc. prof. SOCIOL. BUTLER, 30-45, prof. & head dept, 45-66, EMER. PROF. 66- Sociol. Asn. American colonial institutions; social ecology; Thomas McKean and the Pennsylvania Jacobins. Address: 245 W. 46th St, Indianapolis, Ind. 46208.
- PEET, PROF. LOUISE J(ENISON), b. Cambridge, Mass, Sept. 10, 85; m. 16; c. 1. HOME MANAGEMENT. A.B. Wellesley Col., 08, A.M. 11; Zurich, 12-13; Ph.D.(physiol. nutrit), Iowa State Col., 29. Instr. chem, Constantinople Woman's Col., 10-12, 13-14; curator chem, Wellesley Col., 14-16; assoc. prof. foods & nutrit, IOWA STATE, 29-31, PROF. HOUSEHOLD EQUIP., 31-, acting head dept, 30-31, head dept, 31-52. Prof, Constantinople Col., 38-39; vis. lectr, Utah State, 67-68. Household engineering and equipment; kitchen planning; home lighting. Publ: Young homemakers equipment guide; co-auth, Household equipment. Address: 2833 Ross Rd, Ames, Iowa 50010.
- PEFFER, PROF. NATHANIEL, Int. Rels, see 10th ed, Soc. & Behav. Vols, deceased 64.
- PEGELS, DR. C(ORNELIS) CARL, b. Barendrecht, Netherlands, Feb. 26, 33; Can. citizen; m. 57; c. 2. MANAGEMENT SCIENCE. B.Sc. Detroit Inst. Tech, 61; M.Sc. Purdue, 63, Krannert fel, 65-66, Ph.D.(indust. admin), 66. Engr, Ford Motor Co, Can, 55-62; instr. indust. admin, sch. indust. mgt, Purdue, 63-65; ASST. PROF. MGT. SCI. SCH. BUS. ADMIN, STATE UNIV. N.Y. BUFFALO, 66- Faculty grant, State Univ. N.Y., 67-68, res. fel, summer 67; med. res. grant, Regional Med. Prog, 67-68. Inst. Mgt. Sci; Econ. Asn. Developing mathematical models to solve problems in management science, operations analysis, production, medical and educational fields; medical economics. Publ: Plant layout and discrete optimizing, Int. J. Prod. Res, 9/66; A comparison of corrugator schedulers, J. Indust. Eng, 8/67; co-auth, Optimal capacities of production facilities, Mgt. Sci, 6/68. Address: School of Business Administration, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- PEGNATO, DR. CARL V(ITO), Psychol, see 10th ed, Soc. & Behav. Vols.
- PEGNUM, PROF. DUDLEY F(RANK), b. Romford, Eng, May 28, 98; nat; m; c. 1. ECONOMICS. B.A. Alberta, 22, M.A. 24; Ph.D. California, 27. Asst. ECON. California, 25-27; instr. CALIFORNIA, LOS ANGELES, 27-28, asst. prof. 28-35, assoc. prof. 35-44, chmn. dept, 38-44, prof. 44-65, EMER. PROF. 65- Consult. Trustee, Transportation Res. Forum. Cert. merit, Dictionary Int. Biography, 68. Econ. Asn. (award, 66); Soc. Traffic & Transportation. Regulation of transportation; public utilities and industry: relations of government to economic life. Publ: Regulation of industry: Transportation: economics and public policy, 63, rev. ed, 68 & Public regulation of business, rev. ed, 65, Irwin. Address: Dept. of Economics, University of California, Los Angeles, Calif. 90024.
- PEIFFER, DEAN HERBERT C(LAIRE), JR., b. Alba, Mo., Mar. 11, 07; m. 38; c. 2. PSYCHOLOGY. A.B. California, Los Angeles, 28; Southern California, 28-29; M.A. Stanford, 31, Ph.D.(ed), 39. Instr. psychol. & chmn. dept. SAN DIEGO STATE COL., 41-43, registr. & dir. student personnel, 42-43, assoc. prof. PSYCHOL, 46-48, PROF. 48- DEAN STUDENTS, 46- U.S.N. 43-46. Psychol. Asn. Industrial and vocational education. Address: Office of the Dean, San Diego State College, San Diego, Calif. 92115.
- PEIRCE, PROF. ADAH, b. Indianapolis, Ind, Apr. 29, 96. SOCIOLOGY. Ph.B. Chicago, 25, A.M. 30; Harvard, 32; California, 34; London Sch. Econ. 38; Columbia, 49. Instr. sociol, voc. counsr. & dean permissions, Stephens Col., 25-31; acad. dean women, HIRAM COL., 31-47, prof. sociol. & chmn. dept, 47-64, EMER. PROF. SOCIOL, 64- Sociol. Asn; Personnel & Guid. Asn. Vocations for women. Address: 203 Hamlet Hills, Apt. 69, Chagrin Falls, Ohio 44022.
- PEIRCE, DR. J(OHN) TREVOR, Psychol, see 10th ed, Soc. & Behav. Vols.
- PEIRCE, DR. WILLIAM S(PANGAR), b. Stoneham, Mass, Dec. 7, 38; m. 66; c. 1. ECONOMICS. A.B. Harvard, 60; fel. Am. Inst. Econ. Res, 60-62. Ph.D.(econ), Princeton, 66. Instr. ECON, CASE WESTERN RESERVE, 66, ASST. PROF. 66- Econ. Asn. Labor economics; manpower development; public finance. Publ: Co-auth, The United States labor force, In: Labor and the national economy, Norton, 65; auth, Development of relocation allowances as manpower policy; a comment, Indust. & Labor Rels. Rev, 67; Comment on job vacancy measurement, J. Human Resources, 67. Address: Dept. of Economics, Case Western Reserve University, University Circle, Cleveland, Ohio 44106.
- PEISNER, DR. EARL F(REDERICK), b. Blue Island, Ill, Mar. 7, 26; m. 51; c. 2. PSYCHOLOGY. B.A. Grinnell Col., 50; M.A. Iowa, 53; Ed.D.(guid. & counseling), Oregon State, 56. Teacher-couns, pub. schs, Iowa, 50-53; instr. counseling & testing center, Oregon State, 53-55, psychol, 55-56; asst. prof. ed. psychol. & guid, Colo. State Teachers Col., 56-57; asst. prof. psychol. & dean men, Grinnell Col., 57-61; COORDINATOR, COUNSELING CENTER, SAN DIEGO STATE COL., 61- U.S.N.R. 44-46. Personnel & Guid. Asn. Counseling; psychotherapy; group counseling and sensitivity training. Address: Counseling Center, San Diego State College, San Diego, Calif. 92115.

PEITCHINIS, DR. STEPHEN GABRIEL, b. Macedonia, Greece, Oct. 12, 25; nat. Can; m. 52. LABOR ECONOMICS. B.A. Western Ontario, 54, M.A., 55; MacKenzie King traveling fel. 58-60; Ph.D. London Sch. Econ. 60. Instr. labor, WESTERN ONTARIO, 55-58, asst. prof. labor & pub. finance, 60-62; ASSOC. PROF. LABOR & ECON. DEVELOP, 62- Am. Econ. Asn; Can. Econ. Asn. Labor economics, especially wage determination; public finance. Publ: The economics of labour, McGraw, 65; The development of manpower and economic development, Indust. Rele, 1/67; The economic value of education, Bus. Quart, spring 67. Address: Dept. of Economics, University of Western Ontario, London, Can.

PEIKOTTO, DR. HELEN E(STHER), b. New York, N.Y., Apr. 7, 13. PSYCHOLOGY. A.B. Mt. St. Vincent Col, 34; M.A. Columbia, 37; Ph.D.(psychol), Fordham, 40. Instr. psychol, Hunter Col, 42-43; Wheaton Col, 43-48; asst. psychologist, psychol. clin, Hawaii, 46-49; ASSOC. PROF. CLIN. PSYCHOL, CATHOLIC UNIV, 49- Consult, Vet. Admin. Training Prog, 51- AAAS; Psychol. Asn; Soc. Proj. Tech. & Personality Assessment; Orthopsychiat. Asn; Int. Col. Psychol. Memory; clinical psychology. Publ: Intraserial inhibition as measured by reproduction & Pro-active inhibition in the recognition of nonsense syllables, J. Exp. Psychol; Bender-Gestalt as a culture free test of personality, J. Clin. Psychol. Address: Dept. of Psychology, Catholic University of America, Washington, D.C. 20017.

PEIZER, DR. SHELDON B(ARUCH), b. Syracuse, N.Y., Apr. 1, 25; m. 47; c. 3. CLINICAL PSYCHOLOGY. A.B. Louisville, 47; A.M. Chicago, 49, Ph.D. (clin. & develop. psychol), 60. Chief psychologist, inst. psychol. serv, Ill. Inst. Tech, 50-52; Ohio State Reformatory, Mansfield, 52-57; chief clin. psychologist, U.S. Naval Hosp, Memphis, Tenn, 57-59; Fed. Youth Corrections Inst, Ashland, Ky, 59-60; chief psychologist, D.C. Dept. Corrections, 60-64; supvr. psychol. serv, Montgomery County Bd. Ed, Rockville, Md, 64-66; ASSOC. PROF. PSYCHOL. & CRIMINOL, FLA. STATE, 66- Consult, Ashland, Ky. Ment. Health Clin, 59-60; Community Psychiat. Clin, Bethesda, Md. 62-64; Tallahassee, Fla. Community Ment. Health Center, 66-; Joint Cmn. Correctional Manpower & Training, 66-; Inst. Rehab. Serv, Fed. Voc. Rehab. Serv, 66- U.S.N.R., 44-46. AAAS; Psychol. Asn; Pub. Health Asn; Asn. Correctional Psychol.(pres, 54, ed, J. Correctional Psychol, 53-60); N.Y. Acad. Sci. Character and behavior disorders; projective personality evaluation; group and individual psychotherapy. Publ: Co-auth, The behavioral sciences in correctional practice, D.C. Dept. Corrections, 62; auth, Correctional rehabilitation as a function of interpersonal relations, J. Criminal Law, Criminol. & Police Sci, 61; What do prisons do anyway?, In: Penology, C.C. Thomas, 64. Address: Dept. of Psychology & Criminology, Florida State University, Tallahassee, Fla. 32306.

PELISSIER, DR. RAYMOND FRANCIS, b. Hatfield, Mass, May 16, 12; m. 43; c. 1. ECONOMICS, BUSINESS ADMINISTRATION. B.S. Massachusetts, 33, M.S. 38; Ph.D. American Univ, 58. Adminstr. Agr. Adjust. Admin, 33-42; price analyst, Off. Price Admin, 44-47; instr. bus. admin, Notre Dame, 47-49; chmn. dept. econ, Mexico City Col, 49-51; inst. economist, U.S. Dept. State, 52-53; ASST. PROF. ECON. SCH. BUS. ADMIN, GEORGETOWN, 53-, DIR. SCH, 60- Adv. Mex. Inst. Bus. Admin, 56- Mgt. consult, U.S. & abroad, 58- Human relations in management; executive and supervisory training. Publ: Management, In: The new Catholic encyclopedia. Address: 5150 Third St. N. Arlington, Va. 22203.

PELL, DR. SIDNEY, Biostatist, see 11th ed, Phys. & Biol. Vols.

PELLEGRIN, PROF. ROLAND J(OSEPH), b. Chacahoula, La, Feb. 4, 23; m. 49; c. 2. SOCIOLOGY. B.S. La. State, 47, M.A., 49; fel. North Carolina, 51-52, Ph.D.(sociol), 52. Asst. sociol, La. State, 47-50; North Carolina, 50-51; asst. prof, La. State, 52-55, assoc. prof, 55-59, prof, 59-61, head dept. sociol. & rural sociol, 58-61; PROF. SOCIOL. & DIR. INST. COMMUNITY STUDIES, OREGON, 61-, dir. center adv. study ed. admin, 64-67. Consult, bur. res, U.S. Off. Ed, 65-67. U.S.A., 43-46. Sociol. Asn; Ed. Res. Asn. Social organization; sociology of work; educational sociology. Publ: Co-auth, Teacher participation in the community, 67, Power structure and decision-making in the local community, 68, Univ. Oregon; co-auth, Absentee-owned corporations and community power structure, Am. J. Sociol. Address: Institute for Community Studies, University of Oregon, Eugene, Ore. 97403.

PELLET, DR. BERNARD, Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

PELLETIER, PRES. LAWRENCE LEE, b. Farmington, N.H., Sept. 8, 14; m. 39; c. 2. POLITICAL SCIENCE. A.B. Bowdoin Col, 36, fel. 37-38; A.M. Harvard, 39, Soc. Sci. Res. Coun. fel, 45-46, Ph.D., 47; LL.D., Bowdoin Col, 62, Colby Col, 63. Instr. govt. Maine, 39-45; asst. prof, Bowdoin Col, 46-50, assoc. prof. 50-55, prof, 55; PRES. ALLEGHENY COL, 55- Polit. Sci. Asn. State and local government and political behavior. Publ: Financing local government; Financing state government; The initiative and referendum in Maine. Address: Allegheny College, Meadville, Pa. 16335.

PELLETTIERI, PROF. A(NTHONY) J(OSEPH), b. Italy, Jan. 24, 04; nat; m. 30; c. 2. SOCIAL PSYCHOLOGY. B.S. Peabody Col, 30, 35-37; M.A., YMCA Col, 30, Ph.D.(soc. psychol), 35; summer, Columbia, 41. Asst. secy, Young Men-Young Women Hebrew Asn, Tenn, 29-37; ed. voc. adv, U.S. Off. Indian Affairs, 37-41; regional exec, Nat. United Serv. Orgns, Ga, 43-45; prof. psychol. & dir. reading clin, Southern Mississippi, 47-51; Houston, 52-55; PROF. PSYCHOL, ST. THOMAS (TEX), 55- Lectr, La. State, 50; Peabody Col, 51. Consult, Pub. Sch. Syst, Miss, 48-49, 50-51; Tex, 52-54, 55-66. AAAS; fel. Psychol. Asn; Asn. Ment. Deficiency. Problems of youth; reading problems. Address: University of St. Thomas, 812 Montrose Blvd, Houston, Tex. 77006.

PELTASON, CHANCELLOR JACK W(ALTER), b. St. Louis, Mo, Aug. 29, 23. POLITICAL SCIENCE. A.B. Missouri, 43, A.M., 44; A.M. Princeton, 46, Proctor fel. & Ph.D., 47. Instr. Princeton, 46, lectr, 47; instr. polit. sci, Smith Col, 47-48, asst. prof, 48-51; Illinois; 51-53, assoc. prof, 53-59, prof, 59-64, dean col. lib. arts & sci, 60-64; v.chancellor acad. affairs, California, Irvine, 64-67; CHANCELLOR, ILLINOIS, URBANA, 67- Consult, Cmn. State Structure, Mass, 50. Mem. ed. adv. bd, Encyclop. Britannica Ed. Corp, 67- Polit. Sci. Asn.(v.pres, 67-68). Constitutional law; American govern-

ment; judicial process. Publ: Federal courts in the political process; Fifty-eight lonely men; co-auth, Government by the people. Address: Office of the Chancellor, 112 English Bldg, University of Illinois, Urbana, Ill. 61801.

PELTIER, DR. LOUIS C(OOK), Geomorphol, see 11th ed, Phys. & Biol. Vols.

PELTO, DR. PERTTI JUHO, b. Portland, Ore, July 16, 27; m. 60; c. 3. ANTHROPOLOGY. B.A. Washington State, 49; Helsinki, Finland, 54-55; Ph.D. California, 60. Lectr. ANTHROP, California, 60-61; asst. prof, Cornell, 61-64; ASSOC. PROF. MINNESOTA, MINNEAPOLIS, 64- Dir. anthropol. res, Upper Miss. Res. Proj, 64-67. U.S.A., 50-52. AAAS; Anthropol. Asn; Ethnol. Soc. Culture and personality research; cultures and peoples of the circumpolar area; theory and method in anthropology. Publ: The study of anthropology, C.E. Merrill, 65; co-auth, Guide to cultural anthropology, Sernoll, Inc, 67; Individualism in Skolt Lapp society, Finnish Antiquities Soc, 62. Address: Dept. of Anthropology, University of Minnesota, Minneapolis, Minn. 55455.

PELZ, DR. DONALD C(AMPBELL), b. Seattle, Wash, July 23, 21; m. 58; c. 4. SOCIAL PSYCHOLOGY. B.A. Swarthmore Col, 42; M.A. Iowa, 44; Soc. Sci. Res. Coun. fel, Michigan, 49-50, Ph.D.(soc. psychol), 52. Res. analyst, Boy Scouts Am, N.Y., 45; study dir, Columbia Broadcasting Syst, 46-47; asst. study dir, SURV. RES. CENTER, MICHIGAN, 48-49, study dir, 50-57, asst. prog. dir, 57-59, PROG. DIR, 59-, PROF. PSYCHOL, 67- Psychol. Asn; Sociol. Asn. Highway safety; organizational behavior; scientific personnel. Publ: Co-auth, Scientists in organizations, Wiley, 66; Influence in the first-line supervisor, Personnel; Creative tensions in research and development climate, Science. Address: 1824 Arbdale, Ann Arbor, Mich. 48103.

PELZEL, PROF. JOHN C(AMPBELL), b. Harper, Kans, July 25, 14. ANTHROPOLOGY. A.B. Chicago, 35; Pennsylvania, 39; A.M. Harvard, 41, Ph.D., 50; hon. Ph.D. Korea Univ, 63. Asst. anthropol, HARVARD, 47, instr, 49-50, from instr. to PROF. ANTHROP. & ASST. CURATOR FAR EAST ETHNOL, 50- Dir, Harvard-Yenching Inst, 64- Consult, Supreme Comdr. Allied Powers, Japan, 47-48, chief, pub. opinion & sociol. res, 48-49. U.S.M.C., 41-46, Lt. Col. AAAS; fel. Anthropol. Asn; Asn. Asian Studies; Am. Acad. Arts & Sci. Social anthropology; comparative Far East social structure. Address: 2 Divinity Ave, Cambridge, Mass. 02138.

PELZER, PROF. KARL J(OSEF), b. Oberpleis, Germany, Feb. 23, 09; nat; m. 36; c. 2. GEOGRAPHY. Ph.D.(geog), Bonn, 35; hon. M.A. Yale, 52. Asst. California, 35-36; Coun. For. Rels, N.Y., 36-37; instr. exten. div, California, 37-38; asst. inst. Pac. Rels, 38, res. assoc, 40-41; Page Sch. Int. Rels, Hopkins, 38-40, 41-42, asst. prof. geog, 42-44; sr. region specialist, Off. War Info, 44-45; agr. economist, off. for. agr. rels, U.S. Dept. Agr, 45-47; assoc. prof. GEOG, YALE, 47-52, PROF, 52- Fulbright res. prof, Philippines, 50; Ford Found. fel, Indonesia, 55-56; Fulbright-Hays res. fel. in Malaysia. Agr. economist, U.S. Commercial Co. Econ. Surv, Japanese Mandated Islands, 46. Coun. For. Rels; Asn. Asian Studies; African Studies Asn; Asn. Am. Geog; Am. Geog. Soc. Human geography of the tropics; southeast Asia; land use and tenure. Publ: Arbeiterwanderungen in Suedostasien; Economic survey of the Pacific; Pioneer settlement in the Asiatic tropics, Am. Geog. Soc., 45. Address: Dept. of Geography, Yale University, New Haven, Conn. 06520.

PEMBERTON, PROF. PRENTISS L, b. Yates Center, Kans, Feb. 16, 09; m. 33; c. 3. SOCIOLOGY OF RELIGION. A.B. Ottawa (Kans), 32; B.D. Andover Newton Theol. Sch, 35; M.A. Harvard, 38, Ph.D.(sociol. of relig), 51. Minister, Grace Baptist Church, Mass, 36-40; prof. philos. & relig, Sioux Falls Col, 40-43; minister to students, Am. Baptist Convention Ministry in Boston, 43-47; exec. secy, New Eng. Student Christian Movement, Mass, 47-49; assoc. prof. soc. ethics, Andover Newton Theol. Sem, 49-54; assoc. dir, Danforth Found, Mo, 54-58; PROF. SOCIOL. OF RELIG. & SOC. ETHICS, COLGATE ROCHESTER DIVINITY SCH, 58- Kent fel, Nat. Coun. Relig. Higher Ed, 48-51. Soc. Sci. Study Relig.(pres, 54, ed. jour, 60-65), Sociol. Asn. Role of the behavioral sciences in equipping those responsible for formulating valued judgments and ethical decisions to assure the judgments and decisions are soundly grounded in functional prerequisites. Publ: An examination of some criticisms of Talcott Parsons' sociology of religion, J. Relig, 10/56; Sociology of religion—a 50-year perspective, J. Bible & Relig, 4/60; An interpretation of Biblical sexual ethics with reference to the new morality, Foundations, 7-9/66. Address: 1100 S. Goodman St, Rochester, N.Y. 14620.

PEMBERTON, PROF. W(ILFRED) A(NDERSON), b. Ill, June 24, 09; m. 48; c. 4. PSYCHOLOGY. Ph.D.(psychol), Chicago, 51. ASST. PROF. PSYCHOL. & COUNSELING PSYCHOLOGIST, DELAWARE, 51- Sr. res. psychologist, Nat. Inst. Personnel Res, Johannesburg, S.Africa, 62-63. U.S.N.R., 41-45. Psychol. Asn; Personnel & Guid. Asn; Int. Soc. Gen. Semantics. Non-intellective factors in scholastic aptitude; clinical and statistical prediction. Publ: Abilities, values and college achievement, 63 & The psychology of decision making, Ed. Serv. Women, 67, Delaware; The nature of intelligence, Rohoboth Workshop Proc, State Dept. Pub. Instr, 66. Address: 810 Dallam Rd, Newark, Del. 19711.

PEMBERTON, DR. WILLIAM H(ERBERT), b. Bellingham, Wash, Dec. 4, 11; m. 41; c. 3. PSYCHOLOGY. A.B. Washington (Seattle), 36; Bucharest, 39; Columbia, 39; Ed.D. California, 50. Res. technician, Langley Porter Clin, San Francisco, Calif, 42-43; field dir. & personnel consult, Am. Red Cross, 43-46; state dir, Nat. Found. Infantile Paralysis, Wash, 46-47, Calif, 47-48; CONSULT. PSYCHOLOGIST & MARRIAGE COUNSR, 48- Lectr, Col. Marin & univ. exten, California, Berkeley, 50- Chmn. psychol. exam. cmt, Calif. State Bd. Med. Exam. Psychol. Asn; Acad. Psychother. Publ: Co-auth, Personality characteristics related to success in practicing teaching, J. Appl. Psychol; auth, Semantics and communication, J. Calif. Dent; Dynamics of insult, Boeing Mgt. J. Address: Medical Psychology Bldg, 10 Millwood, Mill Valley, Calif. 94941.

PEÑA, DR. CESAREO D(ENNIS), b. Montpelier, Vt, Nov. 30, 21; m. 46; c. 3. CLINICAL PSYCHOLOGY. A.B. Boston, 47, M.A., 48, Ph.D.(clin. psychol), 52. Staff clin. psychologist, Northampton, Vet. Admin. Hosp, 52-58; dir.

psychol. serv. ment. Health Inst. Iowa, 58-62; CHIEF PSYCHOLOGIST, ONTARIO COUNTY MENT. HEALTH CENTER, 62- U.S.A.A.F., 42-45. Fel. Psychol. Asn; Acad. Psychother. Personality evaluation; psychotherapy; projective techniques. Publ: Co-auth, Effect of isonicotinic acid hydrazide in tuberculous and non-tuberculous schizophrenics, *Diseases Nerv. Syst.*; Genetic evaluation of perceptual structuring in cerebral pathology, *J. Proj. Tech.*; Influence of social desirability upon Rorschach content, *J. Clin. Psychol.* Address: 109 Maxwell Ave., Geneva, N.Y. 14456.

PENALOSA, DR. FERNANDO, b. Berkeley, Calif., July 28, 25; m. 53; c. 2. SOCIOLOGY. A.B. Denver, 49, A.M. 50; Ph.D. (librarianship), Chicago, 56; A.M. Southern California, 59, Ph.D. (sociol.), 63. Asst. prof. librarianship, Southern California, 54-59; SOCIOLOGICAL, Calif. State Polytech. Col., 59-65; assoc. prof. CALIF. STATE COL. SAN BERNARDINO, 65-66, PROF., 66- Med. C. Mex. Army, 44; U.S.A., 45-47. Anthropol. Asn; Sociol. Asn. Mexican communities in the United States; social change in Mexico; Latin American immigrants in Israel. Publ: Co-auth, Social mobility in a Mexican-American community, 6/66 & auth, Ecological organization of the transitional city in Mexico, 12/67, Soc. Forces; The changing Mexican-American in Southern California, *Sociol. & Soc. Res.*, 8/67. Address: Social Sciences Division, California State College at San Bernardino, San Bernardino, Calif. 92407.

PENDELL, DR. ELMER, b. Waverly, N.Y., July 28, 94; div; c. 1. POPULATION, ECONOMICS. LL.B., George Washington, 17; B.S., Oregon, 21; M.A., Chicago, 23; Ph.D., Cornell, 29. Asst. prof. undergrad. centers, Pa. State Col., 33-44; res. Republican Nat. Cmt. & U.S. Senators, 44-45; asst. prof. econ. Baldwin-Wallace Col., 46-53; exec. secy, Ashtabula County Hist. Soc., Ohio, 55-56; vis. prof. econ. Olivet Col., 56-57; assoc. prof. Jacksonville State Col., 57-65; POP. SPECIALIST, 65- U.S.A., 17-19, Lt. Publ: Population on the loose; Next civilization; Sex versus civilization, *Noontide*, 67. Address: 206 W. Mountain Ave., Jacksonville, Ala. 36265.

PENDERGAST, DR. DAVID M (ICHAEL), b. Oakland, Calif., May 29, 34; m. 55. ANTHROPOLOGY. B.A., California, Berkeley, 55, Ph.D., Los Angeles, 60. Instr. anthropol. & curator mus., Utah, 60-61, asst. prof. anthropol., 61-67, assoc. prof., 67-68; ASSOC. ARCHAEOLOGIST, ROYAL ONT. MUS., 68- AAAS; Am. Anthropol. Asn; Soc. Am. Archaeol.; Mex. Anthropol. Soc. Archaeology of the Maya area and Mesoamerica in general. Publ: Palenque: The Walker-Caddy Expedition to the ancient Maya City, 1839-1840, *Univ. Oklahoma*, 67; co-auth, Ecological interpretations in archaeology, *Am. Antiq.*; auth, The Actun Balam Vase, *Archaeology*, 66. Address: Office of the Chief Archaeologist, Royal Ontario Museum, 100 Queen's Park, Toronto 5, Ont., Can.

PENDERGAST, R (USSELL) A (NTHONY) J (OSEPH), C.S.B., b. Toronto, Ont., Sept. 24, 21. ECONOMICS. B.A., Toronto, 47, M.A., 51; Ph.D., Ottawa, 57. From asst. prof. to assoc. prof. econ. St. John Fisher Col., 51-63; BURSAR, ST. JOSEPH'S COL. (ALTA), 63-, ASST. PROF. ECON., ALBERTA, 65- Am. Econ. Asn; Can. Econ. Asn; Can. Hist. Asn. Economic growth analysis; Canadian fur trade; economic theory; economic development and regional differentials in the modern Canadian economy. Publ: Objectives of Catholic business education, *Rev. Cath. Bus. Ed. Asn.* Address: St. Joseph's College, University of Alberta, Edmonton, Alta., Can.

PENDLETON, PROF. EDWIN C (HARLES), b. Petaluma, Calif., Oct. 21, 09; m. 35; c. 2. ECONOMICS. B.S., California, 32, M.S., 34, fel., 46-50, Ph.D. (econ), 50. Instr. bus. admin. Phoenix Col., 35-43; exec. secy, Teachers Retirement Syst., Ariz., 43-45; instr. bus. Cannon's Sch. Bus., 45-46; consult. economist, President's Cmn. Migratory Labor, 50-51; assoc. economist, Stanford Res. Inst., Calif., 51-52; assoc. prof. ECON., HAWAII, 52-60, PROF., 60-, acting dean col. bus. admin., 59-60, 61-62, asst. dean, 63-67. Mem. Gen. Elec. Co. seminar, Univ. Chicago, summer 60. Econ. Asn; Indust. Res. Res. Asn. Labor history of Hawaii; labor-management problems of Hawaii; agricultural labor problems. Publ: Labor in Hawaii: a bibliography; Reversal of roles: the case of paternalism in Hawaiian labor-management relations. Address: 2123 Armstrong St., Honolulu, Hawaii 96822.

PENDLETON, DR. WILLIAM W., JR., b. Rock Hill, S.C., Aug. 31, 37; m. 62. SOCIOLOGY. A.B., Wofford Col., 59; M.A., Tulane, 62, Ph.D. (sociol.), 65. Instr. sociol., Dillard, 63; res. asst., Inst. Center Med. Res. & Training, sch. med. Tulane, 63-64, res. assoc., 64-65; res. scientist, Human Sci. Res. Inc., 65-66; ASST. PROF. SOCIOLOGICAL, EMORY, 66-, ASSOC. DIR. CENTER RES. SOC. CHANGE, 67- Sociol. Asn; Pop. Asn. Am. Population; statistics; social change. Address: Dept. of Sociology, Emory University, Atlanta, Ga. 30322.

PENNINGTON, DR. RALPH ALDEN, b. Seattle, Wash., July 1, 11; m. 34; c. 3. INDUSTRIAL RELATIONS. B.S., Maryland, 61; M.S., Purdue, 62, Ph.D. (indust. rels.), 68. ASSOC. PROF. econ., St. Joseph's Col. (Ind.), 62-68; BUS. ADMIN., PAN AM. COL., 68- Nat. Guard, 29-40; U.S.A., 40-41 & 43-61, Lt. Col. Indust. Rel. Res. Asn. Industrial relations, specifically operations of the National Labor Relations Board since 1935. Address: Division of Business Administration, Pan American College, Edinburg, Tex. 78539.

PENMAN, DR. ALLEN S., b. Williston, N.Dak., June 16, 20; m. 46; c. 2. CLINICAL PSYCHOLOGY. Ph.D. (clin. psychol.), Illinois, 51. Staff psychologist, St. Cloud Vet. Admin. Hosp., 51-53, chief clin. psychol., 53-57; managing partner, ROHRER, HIBLER & REPLOGLE, 58-66, GEN. PARTNER, 66- U.S.A.A.F., 42-45. Psychol. Asn. Appraisal and selection; management development and training; performance counseling. Publ: Effects of reserpine and open ward privileges on chronic schizophrenics, *Arch. Neurol. & Psychiat.* Address: 69 W. Washington, Chicago, Ill. 60602.

PENN, DR. NOLAN E (DWIN), b. Shreveport, La., Dec. 1, 28; m. 56; c. 2. PSYCHOLOGY. A.B., Los Angeles State Col., 49; M.S., Southern California, 52; Ph.D., Denver, 58. Res. psychologist, Air Force Res. Lab., Lowry Air Force Base, Colo., 56-57; staff psychologist, Carter Hosp., Indianapolis, Ind., 58-59; psychologist & fel. psychiatrist, MED. SCH., WISCONSIN, 59-61, clin. instr., 61-63, CLIN. ASST. PROF. PSYCHOL. & PSYCHIAT. & ASST. PROF. COUNSELING PSYCHOL., UNIV., 63-, ASST. DIR. RES. & CONSULT., COUNSELING CENTER, 67- Psychologist, Mendota State Hosp., 61-63. U.S.A., 52-54. Learning and retention in normal and disturbed people; experimental

analogues of the repression phenomenon; racial and socio-economic influences in decision making; community psychology. Address: 415 W. Gilman, University of Wisconsin, Madison, Wis. 53706.

PENN, PROF. RAYMOND J., b. Morris, Minn., May 25, 11; m. 37; c. 4. AGRICULTURAL ECONOMICS. B.Ed., Wis. State Col. (River Falls), 32; fel., Wisconsin, 34-35, Ph.D. (econ), 41. Asst. Wisconsin, 33-34; prof. agr. econ., S.Dak. State Col., 35-40; regional res. supvr., bur. agr. econ., U.S. Dept. Agr., 40-46; PROF. AGR. ECON., WISCONSIN, 46-, CHMN. ADV. CMT. LAND TENURE CENTER, 65-, dir., 62-65, chmn. dept. agr. econ., 48-55. Collab., U.S. Dept. Agr.; team leader, For. Agr. Serv., Latin Am., 60. U.S.N.R., 42-46, Lt. Econ. Asn; Agr. Econ. Asn. (v.pres., 57-58); Soil Conserv. Soc. Agricultural policy; land economics, planning and zoning; resource development; regional economic development. Address: Dept. of Agricultural Economics, University of Wisconsin, Madison, Wis. 53706.

PENN, PROF. ROBERT, b. Mt. Pleasant, Pa., Jan. 3, 26; m. 52; c. 2. PSYCHOLOGY. B.A., San Diego State Col., 51, M.A., 53; Ph.D. (psychol.), Carnegie Inst. Tech., 55. Instr., Carnegie Inst. Tech., 53-54; asst. prof., Woman's Col., North Carolina, 55-56; sr. res. engr., Convair Div., Gen. Dynamic Corp., 56-60; from asst. prof. to PROF. PSYCHOL., SAN DIEGO STATE COL., 60- U.S. Merchant Marine, 44-46. Psychol. Asn. Industrial and organizational psychology; achievement motivation. Address: Dept. of Psychology, San Diego State College, San Diego, Calif. 92119.

PENN, WILLIAM S (WAIN), JR., b. Kansas City, Mo., July 7, 16; m. 40; c. 3. ECONOMICS, BUSINESS ADMINISTRATION. B.S., California, Los Angeles, 41; Southern California, 42-44; M.B.A., Santa Clara, 65. Chemist, Union Oil Co., Calif., 41-42, asst. to mgr. refinery ops., 42-45, economist, 45-53, mgr. mkt. res., 53-59; sr. mkt. analyst, Calif. Chem. Co., 59; sr. economist, Stanford Res. Inst., 59-66; DIR. CHEM. & PETROL. ECON. RES. MGT. & ECON. RES. INC., 66- Econ. Asn; Mkt. Asn. (ed. Jour., 55-); Chem. Soc. Consumer and industrial techno-economics in marketing chemicals and allied products industry. Publ: Co-auth, Man-made leathers & Reinforced plastics, *Stanford Res. Inst.*; auth, Mergers and acquisitions in the United States chemical industry, *Mgt. & Econ. Res. Inc.*, 67. Address: Management & Economics Research Incorporated, 800 Welch Rd., Palo Alto, Calif. 94304.

PENNAR, DR. JAAN, b. Tallinn, Estonia, June 12, 24; U.S. citizen; m. 53; c. 1. POLITICS. B.A., Bates Col., 47; M.A., Princeton, 50, Ph.D. (polit.), 53. COUNSR. & REP. INST. STUDY U.S.S.R. IN MUNICH, GERMANY, RADIO LIBERTY CMT., 53- Polit. Sci. Asn; Hist. Asn. Soviet education, nationality policies and policies in the Arab world. Publ: Co-auth. & co-ed, The politics of Soviet education, Praeger, 60; ed, Islam and Communism, *Inst. Study, U.S.S.R.*, 60; auth, Moscow and socialism in Egypt, *Probs. Communism*, 66. Address: Radio Liberty Committee, 30 E. 42nd St., New York, N.Y. 10017.

PENNER, PROF. RUDOLPH GERHARD, b. Windsor, Ont., July 15, 36; m. 59. ECONOMICS. B.Comm., Toronto, 58; Hopkins, 58-61. From asst. prof. to ASSOC. PROF. ECON., ROCHESTER, 61- R.C.N.R., 54-57, Sub. Lt. Econ. Asn; Can. Polit. Sci. Asn. International economics and public finance. Address: Dept. of Economics, University of Rochester, Rochester, N.Y. 14627.

PENNEY, PROF. RONALD KEITH, b. Windsor, Ont., June 16, 30. EXPERIMENTAL & CHILD PSYCHOLOGY. B.Sc., Wayne State, 52, M.A., 58; Ph.D., Iowa, 59. Lectr. PSYCHOL., McMaster, 59-61; asst. prof., Texas, 61-64; assoc. prof., WATERLOO, 64-66, PROF., 66- Nat. Res. Coun. res. grant, 65-68; Ont. Ment. Health Found. res. grant, 66-68. Asn. Ment. Deficiency; Asn. Adv. Behav. Ther.; Psychonomic Soc. Role of aversive stimulation in children's learning and motivation. Publ: Co-auth, Children's discrimination learning as a function of reward and punishment, *J. Comp. & Physiol. Psychol.*; auth, Children's escape performance as a function of delay of reinforcement, 67 & Effect of reward and punishment on children's orientation and discrimination learning, 67, *J. Exp. Psychol.* Address: Dept. of Psychology, University of Waterloo, Waterloo, Ont., Can.

PENNIMAN, PROF. CLARA, b. Steger, Ill., Apr. 5, 14. POLITICAL SCIENCE. B.A., Wisconsin, 50, M.A., 51; Ph.D., Minnesota, 54. Secy, Cortew & Meyer. Attorneys, 34-37; admin. asst., State Employ. Serv., Wis., 37-47; instr. POLIT. SCI., WISCONSIN, 53-54, asst. prof., 54-58, assoc. prof., 58-61, PROF. & DIR. CENTER PUB. POLICY & ADMIN., 61- Polit. Sci. Asn; Soc. Pub. Admin. Tax administration; identification of administrative practices in tax field; comparative administration between taxation and other programs; administration and tax impact. Publ: Co-auth, State Income tax administration & Government in the fifty states. Address: Dept. of Political Science, University of Wisconsin, Madison, Wis. 53706.

PENNIMAN, PROF. HOWARD R., b. Steger, Ill., Jan. 30, 16; m. 40; c. 5. POLITICAL SCIENCE. B.A., La. State, 36, M.A., 38; Soc. Sci. Res. Coun. fel., 40-41; Ph.D. (polit. sci.), Minnesota, 41. Instr. polit. sci., Alabama, 41-42; instr. & asst. prof., Yale, 42-48; asst. chief external res. staff, U.S. Dept. State, 48-52; res. analyst, Psychol. Strategy Bd., 52-53; chief external res. staff, U.S. Dept. State, 53-55; overseas book pub. div., U.S. Info. Agency, 55-57; PROF. POLIT. SCI., GEORGETOWN, 67- Fulbright res. fel., France, 64-65. Mem. President's Observation Team, Vietnamese Presidential Elections, 67; del. & chmn. cmt. style, drafting & arrangement, Md. Constitutional Convention, 67-68. U.S.A., 45-46. Polit. Sci. Asn. American government and institutions; political parties and elections with special emphasis on French, Vietnamese and American parties and elections. Publ: Sait's American parties and elections, Appleton, 48 & 52; co-auth, Government and politics in the United States, 61 & 65 & auth, American political process, Van. Nostrand, 62. Address: 1409 Red Oak Dr., Silver Spring, Md. 20910.

PENNINGROTH, DR. PAUL W (ILLIAM), b. Tipton, Iowa, May 27, 01; m. 26; c. 3. PSYCHOLOGY. B.S., Iowa, 22; M.A., Columbia, 27, Ph.D., 32. Prof., American Univ. Beirut, 28-29; field coordinator, Am. Community, 29-30; head psychol. dept., St. Petersburg Jr. Col., 34-44; dir. Child Guid. Clin., 44-53; div. ment. health, State Bd. Health, Fla., 53-56; asst. dir. ment. health, South. Regional Ed. Bd., Ga., 57-66; RETIRED. Nat. Inst. Ment. Health res. grant, 63. Mem. Nat. Adv. Cmt. Proj. Re-Ed., 60-68. Psychol. Asn; Publ Health Asn. Clinical psychology; emotionally disturbed children,

- total continuum of mental illness. Publ: Programs for emotionally disturbed children, 63. Address: 3242 W. Roxboro Rd. N.E., Atlanta, Ga. 30324.
- PENNINGTON, PROF. CAMPBELL WHITE, b. Campbell's Sta, Tenn, Feb. 2, 18. GEOGRAPHY. B.A. Texas, 47, M.A., 49; Ph.D.(geog.), California, Berkeley, 59. Asst. prof. GEOG. Ga. State Col, 56-57; from asst. prof. to assoc. prof. Utah, 57-64; PROF. SOUTHERN ILLINOIS, 64- U.S.A. 42-46, Capt. AAAS; Asn. Am. Geog. Cultural geography; Latin America. Publ: The Tarahumar of Mexico, their environment and material culture, Univ. Utah, 63; Tarahumar fish stupefaction plants, Econ. Bot, 12: 95-102; Medicinal plants utilized by the Tepehuán of Southern Chihuahua, Am. Indígena, 23: 31-47. Address: Dept. of Geography, Southern Illinois University, Carbondale, Ill. 62901.
- PENNINGTON, DR. LEON A(LFRED), b. Hart, Mich, July 12, 08; m. 35. PSYCHOLOGY. A.B. Michigan, 30, M.A., 32; Ph.D.(psychol.), Brown, 34. Nat. Res. Coun. fel. biol. sci, Chicago, 34-35; instr. psychol, Western Illinois, 35-37; Arkansas, 37-38; asst. prof. Illinois, 38-42, assoc. prof, 46-48, vis. prof, 52-55; chief, Fed. Admin. Hosp, Ill, 48-52; chief clin. psychologist, State Clin, Danville, Ill, 55-65; DIR. SPEC. SERVS. CIRCUIT COURT, FIFTH DIST, ILL, 66- Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.N.R, 42-46. Fel. Psychol. Asn. Brain function; clinical psychology. Publ: co-auth, Handbook of general psychology; Psychology of military leadership; Introduction to clinical psychology, Ronald, 66. Address: 12 Westwood Place, Danville, Ill. 61832.
- PENNOCK, PROF. J(AMES) ROLAND, b. Chatham, Pa, Feb. 4, 06. POLITICAL SCIENCE. A.B. Swarthmore Col, 27; A.M. Harvard, 28, Ph.D., 32. Instr. POLIT. SCI, SWARTHMORE COL, 29-32, asst. prof, 32-41, assoc. prof, 41-45, PROF, 46- Mem. bd. dirs, Soc. Sci. Res. Coun, 60-66. Admin. specialist, Soc. Security Bd, 35-36; prin. div. asst, off. for. relief, U.S. Dept. State, 43; panel chmn, 3rd region, War Labor Bd, 43-45; Guggenheim fel, 53-54. Am. Polit. Sci. Asn.(v.pres, 64); Soc. Polit. & Legal Philos.(ed, Yearbook, 64-); Int. Polit. Sci. Asn. Political theory; constitutional law. Publ: Administration and the rule of law; Liberal democracy: its merits and prospects; co-auth, Political science: an introduction, Macmillan, 64. Address: 3 Whittier Place, Swarthmore, Pa. 19081.
- PENNOCK, PROF. JOHN ALBERT, b. Salt Lake City, Utah, Nov. 21, 16; m. 40; c. 2. SOCIOLOGY. B.S. Utah, 49, M.S., 50, cert, 51. Asst. prof. SOCIOL, San Diego State Col, 54-56; from asst. prof. to ASSOC. PROF. UTAH STATE, 59- Probtn. officer, San Diego County, 54-55, dir. coord. coun, 55-58. U.S.A.A.F, 43-45, 1st Lt. Social Work. Address: Dept. of Sociology, Utah State University, Logan, Utah 84321.
- PENNY, PROF. LAWRENCE L(EE), b. Arkansas City, Kans, Dec. 13, 17; m. 48; c. 1. PSYCHOLOGY, GUIDANCE. B.S. Okla. State, 47, M.S., 48; Ed.D. Kansas, 59. PROF. PSYCHOL, CLARION STATE COL, 59- Prof, Pa. State, 60; summer prof, South Dakota, 60 & 61. Consult, Keystone Carbon Co, 60. U.S.A.A.F, 41-45, Sgt. Socioeconomic status. Publ: Educational opportunity as a function of socio-economic status, Sch. & Soc; Practical means of determining pupil socio-economic status, Peabody J. Ed. Address: Dept. of Psychology & Reading, Clarion State College, Clarion, Pa. 16214.
- PENNY, DR. NEWTON MACK, Econ, see 10th ed, Soc. & Behav. Vols.
- PENNYPACKER, DR. HENRY SUTTON, JR, b. Missoula, Mont, May 27, 37; m. 55; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A. Mont. State, 58, M.A., 60; Ph.D.(psychol), Duke, 62. Asst. prof. PSYCHOL, FLORIDA, 62-66, ASSOC. PROF, 66- Nat. Inst. Ment. Health res. grants, 62-63 & 64-67. Assoc. center neurobiol. sci, Florida, 64-65, mem, 65- AAAS; Psychol. Asn; Psychonomic Soc. Classical conditioning; animal learning; mathematical psychology. Publ: External inhibition of the conditioned eyelid reflex, J. Exp. Psychol, 64; co-auth, Operant control of vocal behavior in the monkey, Psychonomic Sci, 65; auth, A magnitude measure of the conditioned eyelid response, Found. Conditioning & Learning, 66. Address: Dept. of Psychology, University of Florida, Gainesville, Fla. 32601.
- PENROSE, PROF. EDITH TILTON, b. Los Angeles, Calif. Nov. 29, 14; m. 34, 44; c. 3. ECONOMICS. A.B. California, 36; M.A. Hopkins, 48, Ph.D. 50. Spec. asst. to ambassador, U.S. For. Serv, Eng, 41-46; asst. to econ. adv. U.S. Del. to UN, N.Y., 46-47; jr. instr, Hopkins, 47-50, lectr. & res. assoc, 50-60; reader econ, London Sch. Econ, 60-64; PROF. ECON. & HEAD DEPT. ECON. & POLIT. STUDIES, SCH. ORIENTAL & AFRICAN STUDIES, LONDON, 64-, acting head dept, 62-64. Guggenheim fel. & vis. fel. Australian Nat. Univ, 55; vis. prof. Baghdad, 57-59; American Univ. Beirut, 67-68. Ed. Library Selections, 54-60. Mem. cmt. inquiry relationship pharmacut. industry, U.K. Govt-Nat. Health Serv, 65-67. Am. Econ. Asn; Royal Econ. Soc. Asn. Brit. Orientalists. Industrial, monetary, international and regional economics, particularly the Middle East. Publ: Economics of the international patent system; Theory of the growth of the firm; The large international firm in developing countries: the international petroleum industry, Allen & Unwin, 68. Address: 15 Chaldon Way, Coulsdon Surrey, England.
- PENZ, PROF. A(NTON) J(ACOB), b. Cleveland, Ohio, Feb. 22, 06. ACCOUNTING, BUSINESS ADMINISTRATION. B.S. Fenn Col, 33; M.A. Western Reserve, 36; M.B.A. Northwestern, 42; fel, Ohio State, 42-44, Ph.D., 47. Prof. commerce, Davis & Elkins Col, 37-40; asst. prof. ACCT, La. State, 44-47; PROF. & HEAD DEPT, ALABAMA, 47- Consult, Agency Int. Develop, Lima, Peru, 65-66. Lybrand award. Am. Acct. Asn; Inst. Mgt. Industrial cost accounting, management and control; graduate study in business administration; personnel administration. Publ: Ed. Careers in accountancy, Univ. Ala. Bull. & Accounting teachers guide; Standard cost in a small steel company, Nat. Asn. Accts. Bull; Manual de contabilidad y costos, Centro Nacional de Productividad, Peru, 66. Address: Box 3111, University, Ala. 35486.
- PEOPLES, DR. LANDON CROCKER, b. Soddy, Tenn, Dec. 30, 31; m. 58; c. 3. PSYCHOLOGY. B.S. Carson-Newman Col, 53; Ph.D.(psychol), Tennessee, 61. Res. psychologist, Vet. Admin. Hosp, Atlanta, Ga, 60-61; from asst. prof. to assoc. prof. PSYCHOL, Ft. Hays Kans. State Col, 61-66; ASST. PROF, OAKLAND, 66- Psychol. consult, rehab. unit, Hadley Mem. Hosp, Hays, Kans, 62-64; High Plains Ment. Health Center, Hays, 64-66. U.S.A., 53-55. Psychol. Asn. Behavioral components of psychosomatic disorders; accomplishment of affective goals of higher education; effects of social stimulation on mental hospital patients; changes in students associated with field work in social problems. Publ: Co-auth, Bender-Gestalt performance as a function of drawing ability, school performance and intelligence, J. Clin Psychol, 62. Verbal conditioning of schizophrenics and normals in situation resembling psychotherapy, J. Consult. Psychol, 63 & Psychological factors predictive of success in patients with intractable duodenal ulcer: a study of male veterans, Psychosom. Med, 64. Address: Dept. of Psychology, Oakland University, Rochester, Mich. 48063.
- PEPINSKY, PROF. ABE, b. Cincinnati, Ohio, Dec. 3, 88; m. 09; c. 3. PSYCHOLOGY. B.A. Minnesota, 31, M.A., 32; Ph.D.(psychol), Iowa, 39. From instr. to prof. ed, Minnesota, 13-42; res. fel, Bartol Res. Found, Franklin Inst, 42-43; from vis. prof. to prof. PSYCHOL, HAVERFORD COL, 43-54, EMER. PROF, 54-; EMER. DEAN, PHILA. MUSICAL ACAD, 65-, dean & dir. admissions, 54-65. Musicol. res, Berlin, 29-30; res. neurophysiologist, Iowa, 38-39. Psychol. Asn; Musicol. Soc; Acoustical Soc. Neurophysiological acoustics; acoustics of auditoria; clinical psychology. Address: 1815 Spera Lane, Norristown, Pa. 19401.
- PEPINSKY, PROF. HAROLD B(RENNER), b. St. Paul, Minn, Oct. 16, 17; m. 43; c. 1. PSYCHOLOGY. B.A. Minnesota, 38, M.S., 40, Ph.D.(ed. psychol), 46. Asst. psychol. & gen. col, Minnesota, 38-42, admin. fel, dean students off, 42-44; asst. dir. guid. bur. & asst. prof. ed, Kansas, 44-45; asst. prof. counseling, testing, guid. & dept. effective living, Mich. State, 45-48; dir. student counseling center & assoc. prof. psychol, Washington State, 48-51; assoc. prof. psychol, OHIO STATE, 51-56, PROF. PSYCHOL, 56-, PROF. COMPUTER & INFO. SCI, 67-, dir. res. counseling & testing center, 51-62. Guggenheim fel. & Fulbright res. scholar, Norway, 61-62. AAAS; Am. Psychol. Asn; Sociol. Asn; Interam. Soc. Psychol. Intrapersonal, interpersonal and organizational processes. Publ: Co-auth, Counseling: theory and practice; auth, Selection and use of diagnostic categories in clinical counseling, Appl. Psychol. Monogr; co-auth, Organization, management strategy and team productivity, In: Leadership and interpersonal behavior. Address: Dept. of Psychology, Ohio State University, Columbus, Ohio 43210.
- PEPINSKY, DR. PAULINE N(ICHOLS), b. Baton Rouge, La, June 27, 19; m. 43; c. 1. PSYCHOLOGY. B.A. La. State, 39, M.A., 41, Rosenwald fel, 45-46; Ph.D.(ed. psychol), Minnesota, 49. Acting asst. prof. dept. effective living, basic col, Mich. State, 46-47; sch. ed, Washington State, 49-50; RES. ASSOC. PSYCHOL, OHIO STATE, 52- Fulbright res. scholar, 61-62. Psychol. Asn. Counseling and experimental social psychology. Publ: Co-auth, Counseling: theory and practice, Ronald, 54; auth, Social exceptions that prove the rule, In: Conformity and deviation, Harper, 61. Address: 519 Evergreen Circle, Worthington, Ohio 43085.
- PEPITONE, PROF. ALBERT, b. New York, N.Y., Jan. 22, 23; m. 49; c. 4. PSYCHOLOGY. B.A. N.Y. Univ, 42; M.A. Yale, 43; fel, Michigan, 48-49, Ph.D., 49. Asst. econ, Mass. Inst. Tech, 46-48; prof. dir, inst. soc. res, Michigan, 49-51; asst. prof. PSYCHOL, PENNSYLVANIA, 51-56, ASSOC. PROF, 56- Vis. prof, Wisconsin & Haverford Col, 59; Fulbright res. fcls, Groningen, 60-61 & Nat. Inst. Psychol, Rome, Italy, 67-68; vis. prof, Dartmouth Col, 66. Mem. interdisciplinary conf. behav. sci, New Mexico, 58. U.S.A.A.F, 43-46, Sgt. Fel. Psychol. Asn; Soc. Psychol. Study Social Issues; Soc. Exp. Soc. Psychol. Experimental social psychology, cognitive bases of interpersonal attraction and hostility, social and cultural factors in decision making. Publ: Motivational effects in social perception, Human Rels; Role of danger in affiliation and attraction, Acta Psychologica; Attributions of causality, social attitudes, and cognitive matching processes, In: Person perception and interpersonal behavior. Address: Dept. of Psychology, University of Pennsylvania, Philadelphia, Pa. 19104.
- PEPLER, DR. RICHARD D(UGLAS), b. Marlborough, Eng, Apr. 6, 23; m. 46; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Cambridge, 47, M.A., 50, Ph.D. (psychol), 56. Res. worker. psychol. res, appl. psychol. res. unit, Med. Res. Coun, 48-58; MGR. SCI. PSYCHOL. RES. & DEVELOP, DUNLAP & ASSOCS, INC, DARIEN, 58- R.N.V.R, Lt. Soc. Info. Display; Psychol. Asn; Brit. Ergonomic Res. Soc. Effects of unusual environments and other forms of stress on human performance; human engineering systems development and research work. Publ: Warmth and performance: an investigation in the tropics, Ergonomics, Vol. 2, No. 1; Warmth and lack of sleep: accuracy as activity reduced, J. Comp. & Physiol. Psychol, Vol. 52, No. 4. Performance and well-being in heat, In: Temperature, its measurement & control, Sci. & Indust, Vol. 3, Part 3. Address: 7 Old Club House Rd, Old Greenwich, Conn. 06870.
- PEPPER, PROF. HENRY C(ORNELIUS), b. Wyaconda, Mo, Jan. 10, 01. POLITICAL SCIENCE. A.B. Missouri, 22, A.M., 24; Stanford, 25; California, 26; Ph.D. Iowa, 32. Instr. soc. sci, Christian Col, 22-24; asst. prof. hist. & polit. sci, Arkansas, 26-28; self-employed, 29-30; 45-49; asst. Iowa, 30-31; res. assoc. econ. & govt, Colo. Agr. & Mech. Col, 31-32; prof. soc. sci, Paducah Jr. Col, 32-36; asst. prof. hist. & polit. sci, Georgetown Col, 36-39; field rep, Kiwanis Int, Ill, 39-44; asst. prof. hist, Mo. Valley Col, 49-51; prof. pub. admin. & chmn. dept, Ga. State Col, 51-59, prof. econ, 59-68; vis. lectr, Oglethorpe Col, 68; VIS. PROF. POLIT. SCI, SOUTHEAST MO. STATE COL, 68- Polit. Sci. Asn; Acad. Polit. Sci; Soc. Pub. Admin; Pub. Personnel Asn. Public administration and taxation. Publ: County government in Colorado; Legislative process in Georgia; Handbook for Georgia county commissioners. Address: Dept. of Political Science, Southeast Missouri State College, Cape Girardeau, Mo. 63701.
- PEPPER, DR. MAX PHILIP, b. Bayonne, N.J., Mar. 4, 30; m. 55; c. 2. MEDICINE, SOCIOLOGY. B.A. Amherst Col, 51; M.D. Pennsylvania, 55; fel, Yale, 58-59. M.P.H. 59. Resident in psychiat, Albert Einstein Col. Med, 58-58; ASSOC. PSYCHIAT, YALE-NEW HAVEN HOSP, 59-; ASSOC. PROF. PSYCHIAT. & EPIDEMIOLOG. & PUB. HEALTH, SCH. MED, YALE, 65-, DIR. PLANNING COMPREHENSIVE HEALTH CENTER PROG, OFF. OF DEAN, 67-, DIR. ADV. TRAINING PROG. SOC. & COMMUNITY PSYCHIAT, DEPT.

PSYCHIAT, 67- Instr, Yale, 59-61, asst. prof, 61-65, fel, Trumbull Col, 67- Dir. ment. health planning, Conn. Dept. Ment. Health, 63-66; chief, Hill-West Haven Unit, Conn. Ment. Health Center, 65-67. Consult, Milbank Mem. Fund, N.Y., 62-63, 67-; Nat. Inst. Ment. Health, 64-; Griffin Hosp, Derby, Conn, 66-; Stamford Hosp, Conn, 67- AAAS; Psychiat. Asn; Pub. Health Asn; Sociol. Asn; N.Y. Acad. Sci. Epidemiological studies of mental disorders; social and community psychiatry; health planning and social development; health services research and medical education. Publ: Collab. & co-auth, A decade later: a follow-up of social class and mental illness, Wiley, 68; co-auth, Social psychiatry, Am. J. Psychiat, 60-65; auth, Decentralization of mental hospitals, Milbank Mem. Fund Quart, 64. Address: Yale University School of Medicine, 333 Cedar St, New Haven, Conn. 06510.

PERAZICH, GEORGE NIKOLAS, b. Rezevici, Yugoslavia, Apr. 20, 05; U.S. citizen; m. 33; c. 2. ECONOMICS, INDUSTRIAL TECHNOLOGY. B.S. California, Berkeley, 31; Pennsylvania, 37-38; Buffalo, 41-42. Res. asst. econ, California, 34-35; engr. & economist, Works Progress Admin, 35-40; econ. dir. tech. Res. Adv. Serv. N.Y., 40-42; proj. engr, West. Elec. Co, 42-43; dir. indust. div, UN Relief & Rehab. Admin, 44-47; assoc. prof. econ, Chicago, 47-48; consult. econ. tech, 48-54; sr. analyst, Nat. Planning Asn, 54-56; ASSOC. DIR. ECON. ASSOCS, INC, 60- Consult, Penn-Jersey Transportation Study, 60-61; Mass. Inst. Tech-Harvard Joint Center Urban Studies, 62-64; Corp. Venezolana de Guayana, 64-66. Urban economics and transportation; impact of technology on regional economic development. Publ: Co-auth, Economic aspects of atomic power, Princeton, 50; auth, Nuclear process heat in industry, Nat. Planning Asn, 57; co-auth, Industrial research and changing technology, Works Progress Admin, 1/40. Address: 3207 Oliver St. N.W., Washington, D.C. 20015.

PERDUE, PRES. JAMES E (VERETT), b. Auburn, Nebr, June 24, 16; m. 39; c. 2. SOCIAL SCIENCE. A.B. Nebr. State Col, 37; A.M. Colo. State Col, 40; Ph.D. Stanford, 51; LL.D. Denver, 65. Ed. specialist, Row, Peterson & Co, Ill, 40-41; asst. dean, col. arts & sci, Denver, 46-47, acting dean, 47-49, assoc. prof. soc. sci, 49-53, prof. soc. sci. & dean, col. arts. & sci, 53-65, assoc. dean, 49-53, asst. to chancellor, 52-53; PRES. STATE UNIV. N.Y. COL. OSWEGO, 65- Pres. elect, Am. Conf. Acad. Deans, 65; mem. bd. dir, Am. Asn. State Cols. & Univs, 67- & rep. to Nat. Coun. Humanities, 68. U.S.N.R, 42-46, Lt. Polit. Sci. Asn. Dr. James B. Conant's concepts of educational structures; faculty personnel policies; administration of higher education. Publ: The analytic and the synthetic, a bridge of integration, Vital Speeches of the Day, 66; The summer session's unique contributions, Nat. Asn. Col. & Univ. Summer Sessions, 67. Address: State University of New York College at Oswego, Oswego, N.Y. 13126.

PEREBOOM, DR. A (NDRUEW) CLINTON, b. Los Angeles, Calif, Nov. 15, 24; m. 52. PSYCHOLOGY. Ph.D. (psychol), California, Los Angeles, 55. Asst. prof. PSYCHOL, Okla. Agr. & Mech. Col, 55-56; Tex. Tech. Col, 56-61; ASSOC. PROF. LA. STATE, 61- Methodology; motivation; learning. Address: 5495 N. College Hill Dr, Baton Rouge, La. 70808.

PEREJDA, DR. ANDREW D (ANIEL), b. Walthoning, Ohio, Dec. 13, 17; m; c. 2. GEOGRAPHY, GEOLOGY. B.A. Wayne State, 38; M.A. Syracuse, 39; Ph.D. (geog), Michigan, 50. Instr, Wayne State, 46-49; asst. prof. geol. & geog, Mich. State, 49-55; training officer, staff col, off. training & ed, Off. Civil & Defense Mobilization, 55-62; assoc. prof. GEOG, E. Carolina Col, 62-65; prof. & chmn. dept, Radford Col, 65-66; ASSOC. PROF. CENT. CONN. STATE COL, 66- U.S.A.A.F, 42-46. Asn. Am. Geog; Am. Geog. Soc; Nat. Coun. Geog. Ed. Economic and Soviet geography; cartography. Publ: Chap, Geography of the Union of Soviet Socialist Republics, In: World geography, McGraw, 58; Chap, How to teach the geography of the Union of Soviet Socialist Republics, In: The teaching of geography, Blaisdell, Summer 68; Isochronic map of Michigan, Mich. State, 54. Address: Dept. of Geography, Central Connecticut State College, New Britain, Conn. 06050.

PERERA, DR. THOMAS BIDDLE, b. New York, N.Y., Nov. 20, 38; m. 60; c. 2. EXPERIMENTAL PSYCHOLOGY. A.B. Columbia, 61, M.A. 63, Ph.D. (psychol), 68. Teaching asst. psychol, Columbia, 63-66, instr, BARNARD COL, 66-68, ASST. PROF, 68-, mgr. electropsychol. lab, 63-67. Res. scientist, N.Y. State Psychiat. Inst, 64-68. AAAS; Psychol. Asn. Experimental analysis of covert responses and autonomic variables as underlying factors influencing human behavior. Publ: Co-auth, Proprioceptive discrimination of a covert operant without its observation by the subject, Science, 63; auth, Conditioned suppression and reinforcement of eating produced by stimulation of the lateral hypothalamus, J. Comp. & Physiol. Psychol, 68; An experimental analysis of agonistic and antagonistic covert muscle responses during human escape-avoidance conditioning, Dissertation Abstracts, 68. Address: Dept. of Psychology, Barnard College, Columbia University, 606 W. 120th St, New York, N.Y. 10027.

PERES, DR. SHERWOOD H (ARRY), b. Paterson, N.J., Dec. 2, 33; m. 67. PSYCHOLOGY, STATISTICS. B.A. Ohio State, 55, M.A. 56, Ph.D. (psychol), 58. Asst. psychol, Ohio State, 55-57; Kellogg Found, 57-58; res. psychologist, human factors res. br, Adj. Gen. Off, D.C., 58-59; indust. psychologist, personnel res. div, Sandia Corp, 59-65; consult. behav. res. serv. Gen. Elec. Co, 65-67; SOC. SCI. RES. ADV. ESSO STANDARD EAST, INC, 67- Vis. assoc. prof, New Mexico, 63-65. Personnel psychologist, State Hwy. Patrol, Ohio, 57-58; consult, Wash. Sch. Psychiat, 58-59; William Alanson White Found, 58-59; State Personnel Bd, 59-65; Albuquerque Personnel Dept, 60-65. Mem. N.A.M. Res. Group Mgt, 67-; Mgt. Inst. Training & Res. Asia, 67- U.S.A.R, 59-, Capt. Psychol. Asn. Cross-cultural research; executive selection; manpower planning; performance evaluation; factor analysis; computer technology; work motivation. Publ: Factors which influence careers in General Electric, 66, Profiles of doctoral candidates, 67 & Factors which influence job satisfaction, 67, Gen. Elec. Co. Address: Esso Standard Eastern, Inc, Room 2223, 15 W. 51st St, New York, N.Y. 10019.

PERET, DR. J (OHN) CORTLAND G (IFFORD), b. Oregon, Mo, Nov. 24, 19; m. 44; c. 2. ECONOMICS. B.S. Missouri, 47, A.M. 50; A.M. Harvard, 54, fel, 54-56, Ph.D. 62. Asst. econ, Missouri, 47-48, instr, 48-51; ECONOMIST, BD. GOVERNORS, FED. RESERVE SYST, 56- Econ. Asn. Monetary and fiscal policies and their relations to current, cyclical and long-run eco-

nomic developments; theoretical, statistical and econometric analysis of growth developments, especially with respect to utilization of resources. Publ: Limits of taxation, In: Public policy. Address: 201 Noland St, Falls Church, Va. 22046.

PERETZ, PROF. DON, b. Baltimore, Md, Oct. 31, 22. POLITICAL SCIENCE. B.A. Minnesota, 45; M.A. Columbia, 52, Ford Found. grant, 52-54, Ph.D. (pub. law, govt), 55. For. correspondent, Nat. Broadcasting Co, 47-48; Am. Friends Serv. Cmt. rep, UN, 49; for. correspondent, UN World Mag, 49-52; Mid. East media evaluator, Voice of Am, U.S. Dept. State, 52; res. dir. econ. soc. & polit. prob, Regional Res. Analysts, 54-56; consult. Mid. East, Am. Jewish Cmt, 56-58; lectr, Long Island, 59-62; assoc. dir. center int. progs. & services, N.Y. State Ed. Dept, 62-67; PROF. POLIT. SCI. & DIR. SOUTH-WEST ASIAN & N. AFRICAN PROG, STATE UNIV. N.Y. BINGHAMTON, 67- Rockefeller Found. res. grant, 61-62. Consult. on Mid. East, U.S. Dept. State, 68- Mem. Inst. Mediterranean Affairs panel to prepare study on Am. Mid. East policy, cmt. for rels, U.S. Senate, 57-58; mem. Mid. East study groups, Coun. For. Rel, 59-61; mem. panel. study Am. ed. & cultural policy in Asia, U.S. Dept. State, 61. Hist. Asn; Mid. East Studies Asn. N. Am; fel. Mid. East Inst; Acad. Polit. Sci. History; economic, political and social problems of the contemporary Middle East; politics of underdeveloped areas. Publ: The Middle East today, Holt, 62; The Middle East—selected readings, Houghton, 68; Israel's administration and Arab refugees, For. Affairs, 1/68. Address: 209 Pennsylvania Ave, Binghamton, N.Y. 13903.

PEREZ, PROF. JOSEPH F, b. Nice, France, Sept. 19, 30; U.S. citizen; m. 54; c. 4. PSYCHOLOGY. A.B. Connecticut, 54, Ph.D. 59; Ed.M. Boston, 56. Dir. guid. psychol. pub. schs, Mass, 59-61; counseling psychologist, Vet. Admin. Hosp, Northampton, Mass, 61-63; PROF. PSYCHOL. & CHMN. DEPT, MASS. STATE COL. WESTFIELD, 63- Consult. Our Lady of the Guild, 65-68; pub. schs, Northampton, 67- U.S.A., 50-52. Psychol. Asn. Counseling; psychotherapy. Publ: Counseling: theory and practice, Addison-Wesley, 65; co-auth, General psychology: selected readings, Van Nostrand, 67; auth, The initial counseling contact, Houghton, 68. Address: 9 Villone Dr, Leeds, Mass. 01053.

PEREZ, DR. PAUL, b. New York, N.Y., Feb. 4, 20; m. 51; c. 3. PSYCHOLOGY. B.Sc. U.S. Coast Guard Acad, 44; Columbia, 48-49; Ph.D. N.Y. Univ, 55. Trainee clin. psychol, Vet. Admin, 51-55, clin. psychologist, Vet. Admin. Center, Togus, Maine, 55-60; ASSOC. PROF. PSYCHOL, COLBY COL, 60- U.S.C.G, 41-48, Lt.(jg). Psychol. Asn. Emotional problems of college students; perception and psychopathology. Publ: Size constancy and schizophrenia, In: Perceptual changes in psychopathology. Address: Dept. of Psychology, Colby College, Waterville, Maine 04901.

PEREZ-JUSINO, DR. DAVID, Psychol, see 10th ed, Soc. & Behav. Vols.

PEREZ-RAMIREZ, DR. GUSTAVO, b. Medellin, Colombia, Oct. 31, 28. SOCIOLOGY. Lic, Gregorian Univ, 54; lic, Louvain, 56, D.Sc.S, 58. Dir. Center Soc. Res, BOGOTA, 58-63, GEN. DIR. COLOMBIAN INST. SOC. DEVELOP, 63- Secy. for Latin Am, Int. Fedn. Insts. Soc. Res, 64- Speaker, Annual Cath. Inter-Am. Coop. Prog, Chicago, 64-66, Boston, 67, St. Louis Univ, 68; Latin-Am. Year-Cornell Univ, 65; Int. Teach-In, Toronto Univ, 67. Assoc. mem. Am. Sociol. Asn; Colombian Sociol. Asn. (v.pres, 62, pres, 62-63); Int. Union Sci. Study Pop. Demography; population genetics; social structures, especially in Colombian peasant society; religious sociology; sociology of religion, the Church and social change in Latin America—some of the challenges to Her; population explosion—the revolutionary movements. Publ: El campesinado colombiano: un problema de estructura, Ed. Iquielma, Bogota, 1st ed, 59, Ed. Rivadeneira, Madrid, 2nd ed, 61; La Iglesia Católica y la planificación familiar, perspectivas en 1965, (en siete idiomas), Asamblea Pan-Am, Rev. Concilio No. 10, 8/65; Integrational religious cooperation in favor of integration in Latin America, Proc. Cath. Inter-Am. Coop. Prog, Boston, 67. Address: Carrera 22, Apt. 35-56, Bogota, Colombia.

PERIN, PROF. C (HARLES) T (HEODORE), JR, b. Hillsboro, Ohio, Oct. 16, 16; m. 41; c. 2. PSYCHOLOGY. A.B. Miami (Ohio), 38; M.A. Yale, 40, Ph.D. (psychol), 42. Asst. inst. human rels, Yale, 38-42; chief, classification & wage admin, Lewis Flight Propulsion Lab, Nat. Adv. Cmt. Aeronaut, 45-46; wage admin, Hqs, U.S. Dept. Air Force, 46-47; from asst. to PROF. PSYCHOL, MIAMI (OHIO), 47- Lectr, eve. col, Cincinnati, 51- Consult. Off. Secy. Defense, 50; U.S. Dept. Air Force, 50-, Wright Air Develop. Div, 51-; Armco Steel Corp, 55- Mem. Gov. Traffic Safety Cmt. U.S.A.A.F, 42-45. Psychol. Asn. Learning theory; personnel classification techniques; highway safety. Publ: Behavior potentiality as a joint function of the amount of training and the degree of hunger at the time of extinction & Quantitative investigation of the delay-of-reinforcement gradient, J. Exp. Psychol; Work methods of the electronic technician. Address: 138 Hilltop Rd, Oxford, Ohio 45056.

PERINBANAYAGAM, DR. ROBERT S, b. Rangoon, Burma, Feb. 14, 34. SOCIOLOGY, ANTHROPOLOGY. B.A. Ceylon, 59; M.A. Minnesota, 64, Ph.D. (sociol), 67. Asst. Ceylon studies, Minnesota, 62-63, sociol. & soc. psychol, 63-66; instr. SOCIOL. THEORY & COLLECTIVE BEHAV, MISSOURI, COLUMBIA, 66-67, ASST. PROF, 67- Sociol. Asn. Social change, movement and psychology. Publ: Caste, religion and ritual in Ceylon, Anthropol. Quart, 10/65; Towards a theory of social change, Mo. Acad. Sci. Trans, 12/67. Address: Dept. of Sociology, University of Missouri, Columbia, Mo. 65201.

PERITZ, DR. RENÉ, b. Como, Italy, Nov. 3, 33; U.S. citizen. POLITICAL SCIENCE. B.A. Temple, 55; Penfield & Harrison fells. & M.A. Pennsylvania, 56, Ph.D. (polit. sci, int. rels), 64; Fulbright fel, Singapore, 62-63. Instr. polit. sci, Georgia, 57-58; teacher, Phila. Bd. Ed, Pa, 58-59; instr. POLIT. SCI, Pennsylvania, 60-62; asst. prof, INDIANA STATE, 64-66, ASSOC. PROF, 67- Faculty res. grants, Indiana State, 65-66, non-West. studies res. grant, 66-; Am. Philos. Soc. fel, 66-67. U.S.A., 56-58. Polit. Sci. Asn; Asn. Asian Studies, Acad. Polit. & Soc. Sci. Comparative Asian politics, especially foreign policy developments; judicial process and public law; international relations of the developing areas, particularly China and Southeast Asia. Publ: The United States, Communist China and Indonesia's

confrontation policies, United Asia, 7-8/65; The changing world of Malaysia, Current Hist, 1/67; American-Malaysian relations: shadows and substance, Orbis, summer 67. Address: Dept. of Political Science, Indiana State University, Terre Haute, Ind. 47809.

PERKINS, PROF. BERNARD D, b. Corydon, Iowa, Apr. 30, 14; m. 37; c. 2. MANAGEMENT, PERSONNEL ADMINISTRATION. B.A. Simpson Col, 37; M.A. Iowa, 41, Ph.D.(commerce), 55. Teacher, pub. sch. Ind, 32-33; elem. sch. Iowa, 33-35, high sch, 35-46; PROF. MGT. & DIR. BUS. PLACEMENT, SOUTH DAKOTA, 46- Summer mem. case seminar, Harvard, 57, opers. res. seminar, Carnegie Inst. Tech, 60, seminar math, Kansas, 62. Acad. Mgt. Case writing; personnel; general administrative problems. Address: School of Business, University of South Dakota, Vermillion, S.Dak. 57069.

PERKINS, DR. BRIAN BANBURY, b. Buenos Aires, Argentina, Mar. 13, 34; m. 59; c. 2. AGRICULTURAL ECONOMICS. B.Sc. London, 56; M.A. Manchester, 59; Ph.D.(agr. econ), Mich. State, 64. Lectr. AGR. ECON. Ont. Agr. Col, 58-60; asst. prof. GUELPH, 63-66, ASSOC. PROF. 66- Consult. Nat. Adv. Cmn. Rural Poverty, 67. Am. Agr. Econ. Asn; Can. Agr. Econ. Asn. Agricultural policy, particularly emphasis to date on rural poverty, labour mobility, employment projections and dairy industry policies. Publ: Co-auth. Movement of labour between farm and nonfarm jobs, Mich. Agr. Exp. Sta. Res. Bull, 66. Address: Dept. of Agricultural Economics, University of Guelph, Guelph, Ont, Can.

PERKINS, PROF. CHARLES C(ALLAHAN), JR, b. Philadelphia, Pa. May 23, 17; m. 42; c. 5. PSYCHOLOGY. B.A. Harvard, 41; M.A. Iowa, 42, Ph.D. (psychol), 46. Instr. PSYCHOL, Grinnell Col, 46-47; asst. prof. Kent State, 47-48, assoc. prof. 48-53, PROF. 53-60; EMORY, 60-, chmn. dept. 60-63. Psychol. Asn. Learning theory. Publ: An analysis of the concept of reinforcement, Psychol. Rev; co-auth. Immediate versus delayed shock in T-maze performance & The relation between mean reward and mean reinforcement, J. Exp. Psychol. Address: Dept. of Psychology, Emory University, Atlanta, Ga. 30322.

PERKINS, DR. DWIGHT HEALD, b. Chicago, Ill. Oct. 20, 34; m. 57; c. 2. ECONOMICS. B.A. Cornell, 56; A.M. Harvard, 61, Ph.D.(econ), 64. Instr. ECON. HARVARD, 63-64, asst. prof. 64-66, ASSOC. PROF. 66- Consult. Dept. of Defense, 66- U.S.N.R. 56-58, Res. 58-67, Lt.(jg). Econ. Asn; Asn. Asian Studies. Economy of China. Publ: Co-auth. Communist China and arms control, Praeger, 65; auth. Market control and planning in Communist China, Harvard, 66. Address: Dept. of Economics, Harvard University, Cambridge, Mass. 02138.

PERKINS, EDWARD L, b. Evanston, Ill. Oct. 21, 29; m. 66. BUSINESS ECONOMICS. B.S. Mass. Inst. Tech, 50; M.B.A. Harvard, 52. Economist, Stanford Res. Inst, 54-62, mgr. econ. res. south. Calif, 62-65; V.PRES. INDUST. ECON, MGT. & ECON. RES, INC, 65- U.S.A.F. 52-54, Capt. Economics of aviation, travel and aerospace industries; corporate long-range planning; policy development. Publ: Co-auth. An economic analysis of the supersonic transport, Stanford Res. Inst. Proj. Report, 61 & Guidelines for an appalachian airport system, Mgt. & Econ. Res, Inc. Proj. Report, 67. Address: Suite 250, Management & Economics Research, Inc, 800 Welch Rd, Palo Alto, Calif. 94304.

PERKINS, DR. ERNEST R(ALPH), b. North Haverhill, N.H. Dec. 27, 93. INTERNATIONAL RELATIONS. A.B. Wesleyan, 17; A.M. Clark, 21, Ph.D. 30. Instr. hist, Denison, 21-22; assoc. prof. Norwich, 22-30; assoc. hist. res. U.S. Dept. State, 30-37, acting chief res. sect, 37-38, ed. For. Rels. of United States, 37-63, chief res. sect, 38-44, for. rels. br. hist. div, 44-46, attache, Off. U.S. Polit. Adv. German Affairs, Supreme Hqs. Allied Exped. Forces, 46-47, asst. div. chief in charge for. rels. br, 47-55, chief for. rels. div, hist. off, 55-63; RETIRED. Hist. Asn; Soc. Int. Law. Foreign relations of the United States. Address: 1628 21st St. N.W. Washington, D.C. 20009.

PERKINS, PROF. F(RANCIS) THEODORE, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.

PERKINS, DR. GEORGE, b. LaGrange, Ind. Mar. 20, 17; m. 40; c. 2. CHILD WELFARE. B.S. Purdue, 37, Ph.D.(chem. eng). 40; M.S.S.W. Louisville, 64. Metallurgist, Aluminum Co. Am. Pa, 37; res. engr. Saunders P. Jones Assocs, Ky, 39-41; tech. serv. engr. Standard Oil Co.(Ind), 41-42; metallurgist, Bohn Aluminum & Brass Corp, Mich, 42-44; tech. sales engr. Reynolds Metals Co, 44-47; tech. serv. dir, 47-50, dir. prod. & appl, 50-54, gen. dir. prod. develop, 54-58; dir. Presby. Home for Children, 58-68; CMNR. CHILD WELFARE. COMMONWEALTH OF KY. 68- Asn. Social Workers. Electro-deposition of zinc; non-ferrous metallurgy; metallurgical engineering. Address: 1003 Glenbrook Rd, Anchorage, Ky. 40223.

PERKINS, DR. GEORGE L(IONEL), b. Boston, Mass. Mar. 4, 11; m. 52; c. 2. PSYCHIATRY. Ph.B. Chicago, 32, M.D. Rush, Chicago, 42. From fel. to mem. sr. staff, Inst. Juvenile Res, Chicago, Ill, 40-47, chief childrens' ward, 47-48, acting supt, 50-52, clin. dir, 52-53; ASST. CLIN. PROF. PSYCHIAT. MED. SCH. ILLINOIS, CHICAGO, 48- Lectr. social serv. admin. sch. Chicago, 49-54; lectr. & consult. Wis. Child Guid. Group, 52-56; med. dir. Nicholas J. Pritzker Center & Hosp. of Jewish Children's Bur. 64-67. Consult, orthogenic sch, Chicago, 49-; Jewish Childrens' Bur, 49-; child guid, State Dept. Pub. Welfare, Ill, 51-53, child welfare, Chicago div, 59-; Juvenile Protective Assn, 53- U.S.A. 42-45. Psychiat. Asn; Am. Med. Asn; fel. Orthopsychiat. Asn; Acad. Child Psychiat. Child psychiatry, especially childhood psychoses, delinquency, institutional treatment of disturbed children, child psychoanalysis. Address: 735 St. Johns St, Highland Park, Ill. 62249.

PERKINS, DR. HOWARD C(ETIL), Polit. Sci, see 10th ed, Soc. & Behav. Vols, deceased 65.

PERKINS, PROF. HUGH V(ICTOR), b. Toledo, Ohio, June 9, 18; m. 46; c. 5. EDUCATIONAL PSYCHOLOGY. A.B. Oberlin Col, 41; M.A. Chicago, 46, Ph.D.(ed), 49; fel. Maryland, 47-48; Ed.D. N.Y. Univ, 56. Asst. prof. ED.

MARYLAND, 48-51, assoc. prof, 51-56, PROF, 56-, DEP. DIR. INST. CHILD STUDY, 60- U.S.A. 42-45. Psychol. Asn. Human development, group processes. Publ: Co-auth. Research evaluating a child study program, Monogr, Soc. Res. Child Develop; auth. Human development and learning, Wadsworth, 69. Address: Institute for Child Study, College of Education, University of Maryland, College Park, Md. 20742.

PERKINS, DR. JAMES E(LIAB), b. St. Paul, Minn, July 17, 05; m. 34; c. 3. PUBLIC HEALTH. B.S. Minnesota, 27, M.B. 29, M.D. 30; M.P.H. Hopkins, 31, Dr.P.H.(epidemiol), 33. Epidemiologist, State Dept. Health, Minn, 30-33; N.Y. 34, dist. state health officer, N.Y. 35-38, dir. communicable disease div, 38-46, deputy cmnr, 46-47; MANAGING DIR, NAT. TUBERC. & RESPIRATORY DISEASE ASN, 48- Mem. Med. Nutrit. Mission, Italy, 45; Pub. Health Surv. Team, West. Germany, 51; pres. Nat. Health Council, 60-61. Del. World Health Assembly, 48 & 61; Pan-Pacific Tuberc. Conf, Manila, 53; del. commemorative session, WHO, 58. Epidemiol. Soc; Am. Med. Asn; fel. Pub. Health Asn; fel. N.Y. Acad. Med; Int. Union against Tuberc.(pres, 67-69). Public health administration. Address: National Tuberculosis & Respiratory Disease Association, 1740 Broadway, New York, N.Y. 10019.

PERKINS, DR. JOHN A(LANSON), b. Owosso, Mich, June 29, 14; m. 37; c. 2. POLITICAL SCIENCE. A.B. Michigan, 38, A.M. 39, Ph.D. 41; LL.D. South Carolina, 60; Pennsylvania, 64. Instr. polit. sci, Michigan, 41-43, asst. prof. polit. sci. & secy, inst. pub. admin, 45-46, prof. polit. sci. & asst. provost, 49-50; asst. prof. govt, Rochester, 43-45; state budget dir, State of Mich, 46-48, state controller & head dept. admin, 48; pres. Univ. Delaware, 50-67; PRES. & DIR, DUN & BRADSTREET, INC, 67- Undersecy, Dept. Health, Ed. & Welfare, 57-58. Pres. Asn. Land-Grant Colls. & Univs, 60-61. Polit. Sci. Asn; Soc. Pub. Admin.(ed, Pub. Admin. Rev, 61). Public administration: political theory; administration of higher education. Publ: Plain talk from a campus: Role of the governor of Michigan in the enactment of appropriations: Financing publicly-supported institutions of higher education. Address: Dun & Bradstreet, Inc, 99 Church St, New York, N.Y. 10007.

PERKINS, DR. JOHN C(HESTER), b. Danbury, Conn, Dec. 26, 22; m. 52; c. 2. PSYCHOLOGY. B.A. Wesleyan, 48; M.S. Pa. State, 51, Ph.D.(clin. psychol), 54. CLIN. PSYCHOLOGIST, Vet. Admin. Ment. Hyg. Clin, Buffalo, N.Y. 53-55; U.S. GOVT, 55- U.S.A.A.F. 43-45. Psychol. Asn. Projective tests: psychiatric selection. Publ: Psychological intake testing program; co-auth. Psychological studies on patients undergoing non-convulsive electric-stimulation treatment, Am. J. Psychol. Address: 5409 Littleford St, Springfield, Va. 22151.

PERKINS, DR. KEITH J, b. Ind, July 2, 02; m. 33; c. 2. PSYCHOLOGY. A.B. DePauw, 29; M.A. Michigan, 33; Ph.D.(psychol), Purdue, 41. Psychologist, Child Guid. Center, 41-43; dir. child study, Akron Pub. Schs, 46-48; psychologist, Phoenix Ment. Health Center, 48-52; DIR. CHILD STUDY, PHOENIX DIST. SCHS, 52- U.S.N.R. 43-46. Psychol. Asn; Coun. Except. Children. U.S.N.R. 43-46. School psychological services; community mental health programs. Publ: Study of teachers' knowledge and attitudes toward adolescent behavior in everyday school situations. Address: 4513 E. Camelback Rd, Phoenix, Ariz. 85018.

PERKINS, PROF. LEE E, b. Houston, Tex. June 6, 17; m. 48. CULTURAL GEOGRAPHY, HISTORY. Ed.D.(soc. sci. in higher ed), Denver, 58; scholar. Northwestern, 65-66. Assoc. prof. soc. sci, Prairie View Agr. & Mech. Col, 38-48, PROF. cultural geog, 48-58; GEOG. & HIST. GRAMBLING COL. 58- Ford Found. grant, 68; faculty res. consult. Asn. Am. Geog-Nat. Sci. Found. Summer Inst. Geog, Clark, 66. State coordinator geog. La, 67-68. U.S.C.G. 42-45. Asn. Am. Geog. Geography of West Africa and New England: field studies of the geography of the Gulf Coast region; oceanography of the Gulf Coast region; European history. Publ: Co-auth. World regional geography, Pitman, 56; auth. The social scientist looks ahead, La. Ed. J. 65. Address: 106 Richmond Dr, P.O. Box 12, Grambling, La. 71245.

PERKINS, DR. NELLIE L(UISE), b. Chicago, Ill. Aug. 5, 89. CHILD PSYCHOLOGY. A.B. Michigan, 12, Ph.D.(psychol), 25; Chicago, 12-14. Chief psychologist, Wayne County Psychopath. Clin, Mich, 16-25; chmn. div. child develop, Cornell, 25-27; chief psychologist, Harper Hosp. Psychiat. Clin. Mich, 27-35; prof. child develop, Illinois, 40-57; DIR. PERKINS PRE-SCH. GIFTED CHILDREN, 57- Prof. exten. Michigan, 21-23; spec. lectr. Wayne, 27-35; psychologist, Methodist Children's Soc. Mich, 27-35; private practice, 27-40; dir. Country Day Nursery Sch, 29-40. Mem. Coun. Family Living, 40- Psychol. Asn; Orthopsychiat. Asn. Children's emotional problems; negativism in the early years; growth and development in democratic homes. Address: 208 W. Delaware Ave, Urbana, Ill. 61801.

PERKINS, PROF. WHITNEY T(ROW), b. Boston, Mass. Feb. 28, 21; m. 47; c. 4. INTERNATIONAL RELATIONS. A.B. Tufts Col, 42. A.M. Fletcher Sch. Law & Diplomacy, 47, Ph.D. 48. Asst. prof. int. rels, Denver, 48-53; ASSOC. PROF. POLIT. SCI, BROWN, 53- Fulbright res. grant, Netherlands, 50-51. Consult. U.S-P.R. Cmn. Status P.R, 65-66. U.S.A.A.F. 42-45, Capt. Polit. Sci. Asn; Int. Studies Asn. United States policy in the administration of its dependent areas; intervention, in theory and as practiced by the United States particularly in the Caribbean region. Publ: Denial of empire: the United States and its dependencies. Address: Dept. of Political Science, Brown University, Providence, R.I. 02912.

PERKINS, DR. WILLIAM H(UGHES), b. Kansas City, Mo. Feb. 21, 23; m. 52; c. 4. SPEECH PATHOLOGY. B.S. Southwest Mo. State Col, 43; M.A. Missouri, 49, Ph.D.(speech path), 52. Asst. prof. SPEECH PATH, SOUTHERN CALIFORNIA, 52-56, assoc. prof, 56-60, PROF. 60- U.S.N.R. 43-46. Lt. Comdr. Speech & Hearing Asn; Psychol. Asn; Acoustical Soc. Am. Behavioral and psychological studies of stuttering and of normal and disordered vocal production. Publ: Stuttering: some common denominators. In: New directions in stuttering, C.C. Thomas, 65; Studies in the physiological bases of stuttering. In: Scientific studies in stuttering, Harper, (in press). Vocal function: normal and disordered. In: Handbook of speech pathology and audiology, Appleton, (in press). Address: Dept. of Communicative Disorders, University of Southern California, University Park, Los Angeles, Calif. 90007.

- PERKOWSKI, NAPOLEON, b. Chicago, Ill, Sept. 17, 24; m. 55; c. 2. INDUSTRIAL ECONOMICS. B.S., Ill. Inst. Tech, 49, M.S. 56. Plant engr. City Water Works Dept, Chicago, Ill, 49-51; methods engr, Ford Motor Co, 51-54; instr. indust. eng. Southern California, 54-57, asst. prof. 57-59; res. engr. econ, Stanford Res. Inst, 59-61; staff engr, Aerojet-Gen. Corp. Div, Gen. Tire & Rubber Co, 61-66; specialist, Westwood Res. Corp, 66; CHIEF ENGR. SYSTS. ANAL, RALPH M. PARSONS CO, 66- Summer, mem. sch. indust. sci. indust. prog, Hughes Aircraft Co, 58. U.S.A., 43-46, Ord.C. Res, 54-. Maj. Ops. Res. Soc; Ord. Asn; Inst. Indust. Eng. Analysis and synthesis of techno-economic models by means of mathematical analysis or simulation tools; essential principles underlying the techno-economic areas. Publ: Maintenance and automation; Developing a maintenance program, Automation; The research laboratory, J. Indust. Eng. Address: 157 S. Arden Blvd, Los Angeles, Calif. 90004.
- PERL, DR. WILLIAM R, b. Prague, Czech, Sept. 21, 06; nat; m. 38; c. 2. PSYCHOLOGY. M.A., Vienna, 27, Ph.D.(correctional psychol), 30; M.A., Columbia, 51. Dir, New Zionist Resettlement Center, Vienna, 35-39; practicing psychologist, New York, 47-51; chief clin. psychologist, U.S. Disciplinary Barracks, Ft. Leavenworth, Kans, 51-55; CHIEF psychol. sect, U.S. Army Hosp, Munich, 55-58; PSYCHOL. DEPT, LAUREL CHILD CENTER, D.C. DEPT. WELFARE, 58- Prof. lectr, George Washington, 62- Consult, psychol, Walter Reed Army Hosp, 65-; consult. crime & crime prev, Gov. of Neb., 68- Del. White House Conf. Children & Youth, 60; U.S. del. Int. Cong. Psychol, Moscow, 66. U.S.A., 42-46. Psychol. Asn; Asn. Correctional Psychol.(1st v.pres, 53; pres, 54); Int. Soc. Criminol. Delinquency; group psychotherapy; handwriting analysis. Publ: Utilization in group therapy of disadvantages of the prevailing prison system, Group Psychother; On the psychodiagnostic value of handwriting analysis, Am. J. Psychiat; Military delinquency and service motivation, Mil. Rev. Address: 8411 48th Ave, College Park, Md. 20740.
- PERLE, DR. EUGENE D, b. Jersey City, N.J., Jan. 24, 36; m. 63; c. 2. GEOGRAPHY, REGIONAL SCIENCE. A.B., Dartmouth Col, 57; M.A., Syracuse, 59; Union Carbide fel, Northwestern, 61-62; Ph.D.(geog), Chicago, 64. Res. asst. transportation, transportation center, Northwestern, 61-63; ASST. PROF. GEOG, Indiana, 63-65; PITTSBURGH, 65- Sr. res. geogr, transportation res. inst, Carnegie-Mellon Univ, 67- Asn. Am. Geog; Regional Sci. Asn; Statist. Asn. Transportation systems and their locational impacts upon human activities. Publ: The demand for transportation, Univ. Chicago, 64; Estimation of transportation demand, Papers & Proc. Regional Sci. Asn, 65. Address: Dept. of Geography, University of Pittsburgh, Pittsburgh, Pa. 15213.
- PERLES, PROF. B(ENJAMIN) M(AX), b. Boston, Mass, May 27, 22; m. 44; c. 3. ECONOMICS, ACCOUNTING. B.S., Northeastern, 46; M.B.A., Boston, 48, Ph.D., 61. Asst. prof. ECON, Northeastern, 47-60; assoc. prof, BENTLEY COL. ACCT. & FINANCE, 60-62, PROF, 62-, CHMN. DEPT. 60- Participant, Ford Found. Regional Faculty Seminar Labor Econ, Harvard, summer, 64. U.S.N., 42-46, Capt. Econ. Asn; Statist. Asn. Industrial studies, especially textile industry. Publ: Co-auth, Laboratory manual and workbook, modern business statistics, Bentley Col. Acct. & Finance, 67; auth, Gold exodus, Bentley J, 60; Innovation in the machine tool industry: comment, Quart. J. Econ, 8/63. Address: 38 Everett St, Newton Centre, Mass. 02159.
- PERLINE, DR. MARTIN M(ACHAEL), b. St. Louis, Mo, June 26, 36; m. 64. ECONOMICS. B.A., Arizona State, 60; Green fel. & M.A., Ohio State, 62, Ph.D.(econ), 65. Asst. prof. ECON, WICHITA STATE, 65-67, ASSOC. PROF, 67- Econ. Asn; Indust. Rels. Res. Asn. Labor economics; industrial relations. Publ: The trade union movement and social reform, 9/66 & The future of trade union growth: an historical perspective, 12/66, Labor Law J; Trade union compliance: a theoretical possibility, Personnel J, 12/67. Address: 4000 E. 17th, Apt. 21, Wichita, Kans. 67208.
- PERLMAN, DR. ELLIS B, b. Philadelphia, Pa, Oct. 16, 35; m. 62; c. 1. POLITICAL SCIENCE, URBAN STUDIES. A.B., California, Los Angeles, 57, M.A., 58, Scott fel, 61-62, Ph.D.(polit. sci), 67. Res. assoc. local govt, Metrop. Community Studies, Inc, Ohio, 59; instr. polit. sci, Calif. State Col. Long Beach, 62-67; ASST. PROF. POLIT. SCI. & URBAN STUDIES, FLINT COL, MICHIGAN, 67- Datamatics Corp. res. grant, 68-69. Polit. Sci. Asn; Soc. Pub. Admin. Urban politics; government in metropolitan areas; public opinion and voting behavior; political behavior. Address: Dept. of Political Science, University of Michigan, 1321 E. Court St, Flint, Mich. 48503.
- PERLMAN, DR. J(ACOB), Econ, Statist, see 10th ed, Soc. & Behav. Vols, deceased 68.
- PERLMAN, PROF. MARCEL I(SAAC), Psychol, see 10th ed, Soc. & Behav. Vols.
- PERLMAN, PROF. MARK, b. Madison, Wis, Dec. 23, 23; m. 53; c. 1. ECONOMICS. B.A. & M.A., Wisconsin, 47; Soc. Sci. Res. Coun. fel, Columbia, 49-50, Ph.D., 50. Lectr, grad. sch. bus, Columbia, 50-51; asst. prof. econ, Hawaii, 51-52; Cornell, 52-55; from asst. prof. to assoc. prof. polit. econ. & pub. health admin, Hopkins, 55-63; PROF. ECON, PITTSBURGH, 63-, CHMN. DEPT. 65- Ford Found. faculty fel, 62-63; Fulbright lectr, Australia, 68. Consult, pop. div, Ford Found, 65-67. Managing ed, J. Econ. Lit, 68- U.S.A., 43-46. Am. Econ. Asn; Am. Pub. Health Asn; Int. Union Sci. Study Pop; Royal Econ. Soc. Demographic economics; economic history. Publ: Labor union theories in America, 58; The machinists, Harvard, 61; co-auth, Health manpower in a developing economy, Johns Hopkins, 67. Address: Dept. of Economics, University of Pittsburgh, Pittsburgh, Pa. 15213.
- PERLMAN, DR. MELVIN L, b. Chicago, Ill, May 22, 25; m. 46; c. 1. PSYCHOLOGY. M.A., Chicago, 50, Ph.D., 53. Staff psychologist, Vet. Admin. Hosp, Downey, Ill, 53-60, coordinator training psychol, 60-63; ASST. CHIEF PSYCHOLOGIST, ILL. STATE PSYCHIAT. INST, 63- Lectr, Northeast. Ill. State Col, 58- Consult, Forest Hosp, Des Plaines, Ill, 58-; Lutheran Gen. Hosp, Park Ridge, 68- Dipl. Am. Bd. Exam. Prfnl. Psychol, 58. U.S.A.A.F., 43-45, 1st Lt. Psychol. Asn. Psychological diagnosis and treatment of adults; teaching of psychology and training of psychological internes; psychopathology and personality theory. Publ: Investigation of anxiety as related to guilt and shame, Arch. Neurol. & Psychiat; Teaching and developing nurse-patient relationships in a psychiatric setting, Psychiat. Quart. Suppl. Address: 1601 W. Taylor St, Chicago, Ill. 60612.
- PERLMAN, PROF. RICHARD, Econ, see 10th ed, Soc. & Behav. Vols.
- PERLMUTER, DR. LAWRENCE C(HARLES), b. Boston, Mass, Aug. 22, 38; m. 60; c. 4. EXPERIMENTAL PSYCHOLOGY. B.A., Boston, 60; Nat. Sci. Found. summer fel. & M.A., Syracuse, 64, Ph.D.(exp. psychol), 65. U.S. Pub. Health Serv. fel. PSYCHOL, Duke, 65-66; ASST. PROF, BOWDOIN COL, 66- AAAS; Psychol. Asn. Classical conditioning; human learning. Address: Dept. of Psychology, Bowdoin College, Brunswick, Maine 04011.
- PERLMUTTER, PROF. HOWARD V(ICTOR), b. Framingham, Mass, Nov. 4, 25. PSYCHOLOGY. S.B., Mass. Inst. Tech, 46; fel, Oxford, 48; Fulbright fel, Sorbonne, 49-50; Ph.D.(psychol), Kansas, 52. Res. assoc, center int. studies, Mass. Inst. Tech, 50-58, dir. exp. proj, 54-55; res. assoc, Menninger Found, 58-61; lectr. indust. admin. & psychol, Yale, 61-62; prof. orgn. behav, mgt. develop. inst, Lausanne, 62-67; vis. prof. int. orgn, int. indust. admin. inst, Geneva, 67-68; PROF. ORGN. BEHAV, WHARTON SCH. & DIR, RES. INST. WORLD WIDE INST. BLDG, MGT. SCI. CENTER, PENNSYLVANIA, 68- Lectr, Boston, 50-53; res. assoc, lab. soc. rels, Harvard, 53-54; sr. res. assoc, Assocs. Int. Res. Inc, 54-58. Adv. League of Red Cross Socq, Geneva, 64; WHO, 64-66. U.S.N., 43-46. Psychol. Asn. Social architecture; application of behavioral and management sciences to building institutions, social, political and industrial, with a world wide orientation; international enterprise. Publ: Towards a theory and practice of social architecture, Tavistock, 66; Three conceptions of an international enterprise, Revue Economique et Sociale, Lausanne Univ, 66; Social architectural problems of the international enterprise, Revue Economique, Lausanne Univ, 67. Address: Wharton School, University of Pennsylvania, Philadelphia, Pa. 19104.
- PERLMUTTER, DEAN O(SCAR) WILLIAM, b. July 5, 20. POLITICAL SCIENCE. A.M., Chicago, 49, Ph.D., 59. Instr. soc. sci, St. Xavier Col, 48-51, asst. prof, 51-54, prof. & chmn. div, 54-59, v.pres, 58-59; acad. adv. from Inst. European Studies to Univs. Vienna, Freiburg & Paris, 59-62; prof. polit. sci, Minnesota, Minneapolis, 62-63; honors prof, Santa Clara, 63-64; prof. polit. sci. & dean col. fine & prnl. arts, Kent State, 64-66; PROF. POLIT. SCI. & DEAN COL. ARTS & SCI, STATE UNIV. N.Y. ALBANY, 66- Lectr, Chicago, 49-51; Ford Found. fel, Yale, 52-53; Ford Found. grant, 57-58. Church counseling, 67- Mem, Catholic Interracial Coun. & Nat. Conf. Christians & Jews, 59. Polit. Sci. Asn; Sociol. Asn. Political philosophy and sociology; foreign policy and international relations; social theory and education; social and political theory. Address: College of Arts & Sciences, State University of New York at Albany, Albany, N.Y. 12203.
- PERLO, VICTOR, b. New York, N.Y., May 15, 12; m. 43; c. 3. MATHEMATICAL STATISTICS, ECONOMICS. A.B., Columbia, 31, A.M., 33. From asst. statistician to chief economist, Govt. Agencies, 33-37, 39-47; jr. mem. staff, Brookings Inst, 37-39; ECON. CONSULT. & WRITER, 47- Dep. mem, trade agreements cmt, Exec. Cmt. Econ. For. Policy, 45-47. Econ. Asn; Asn. Comp. Econ; Asn. Study Soviet-Type Econ. Economic structure of society; labor conditions and relations; foreign economic policies; economics of disarmament; postwar business cycles in the United States. Publ: American imperialism; Empire of high finance; Militarism and industry, International, 63. Address: Park Trail, Croton-on-Hudson, N.Y. 10520.
- PERLOE, DR. SIDNEY I(RWIN), b. Brooklyn, N.Y., June 21, 32; m. 57; c. 2. SOCIAL PSYCHOLOGY. A.B., N.Y. Univ, 53; Woodrow Wilson fel, Harvard, 53-54; univ. fel, Michigan, 55-56, Ph.D.(soc. psychol), 59. Asst. soc. psychol, res. center group dynamics, Michigan, 54-55, PSYCHOL, 56-58, instr, 57-58; asst. prof, Yale, 58-61; HAVERFORD COL, 61-64, ASSOC. PROF, 64- Nat. Sci. Found. sci. faculty fel, 67-68. Psychol. Asn. Social perception and judgement; attitude change; impact of college upon students' values. Publ: Status and the judgment of occupational prestige, J. Abnorm. & Soc. Psychol; Assimilation as a consequence of categorization & The effects of attitudes and concepts on categorization, 64, J. Personality. Address: Dept. of Psychology, Haverford College, Haverford, Pa. 19041.
- PERLOFF, DR. HARVEY S(TEPHEN), b. U.S., June 8, 15; m. 44; c. 2. ECONOMICS. A.B., Pennsylvania, 35; London Sch. Econ, 35-36; Ph.D.(polit. econ), Harvard, 40. Economist, Fed. Reserve Bd, 41-43; dir. econ, res. unit, Soc. Sci. Res. Center, P.R., 46-47; assoc. prof, soc. sci. div, Chicago, 47-55, head planning prog, 51-55; DIR. PROG. REGIONAL STUDIES, RESOURCES FOR FUTURE, INC, 55- Consult, President's Water Resources Policy Cmn, 50; Govt. of P.R., 50-51; Tenn. Valley Authority, 54; UN Mission, Turkey, 54. Mem. bd. trustees, Wash. Center Metrop. Studies, 60- Chmn. cmt. urban econ, off. sci. personnel, Nat. Acad. Sci-Nat. Res. Coun, 59-, mem. adv. cmt, 60-, environ. studies bd, Nat. Acad. Eng, 67-; cmt. of nine, Alliance for Progress, 62-65; panel soc. develop, U.S. State Dept, 64-65; mem. bd. & chmn. planning cmt, United Planning Orgn, 64-; mem. adv. cmt, UN Res/Training Prog. Regional Develop, 65-66; Secretary's Adv. Cmt. Urban Develop, U.S. Dept. Housing & Urban Develop, 66-; panel soc. indicators, U.S. Dept. Health, Ed. & Welfare, 67- U.S.A., 43-46. Econ. Asn; Regional Sci. Asn; Soc. Planning Off; Soc. Pub. Admin; Am. Acad. Arts & Sci. Economic and urban development; planning and budgeting processes; information systems; social development. Publ: Auth, Education for planning: city, state and regional, 57 & co-auth, Regions, resources and economic growth, 60, Johns Hopkins; How a region grows, Cmt. Econ. Develop, 63. Address: Resources for the Future, Inc, 1755 Massachusetts Ave. N.W., Washington, D.C. 20036.
- PERLOFF, PROF. ROBERT, b. Philadelphia, Pa, Feb. 3, 21; m. 46; c. 3. PSYCHOLOGY. A.B., Temple, 49; M.A., Ohio State, 49, Ph.D.(psychol), 51. Chief statist. res. & consult. unit, personnel res. br, U.S. Dept. Army, 51-55; dir. res. & develop, Sci. Res. Assocs, Inc, 55-59; assoc. prof. PSYCHOL, PURDUE, 59-63, PROF, 64- U.S.A., 42-45, Res, 47-54, 1st Lt. AAAS; Psychol. Asn; Asn. Pub. Opinion Res; Mkt. Asn; Nat. Coun. Measurement in Ed; Inter-Am. Soc. Psychol. Consumer research; psychological statistics; psy-

chological tests; personnel research. Publ: Consumer analysis, Annual Rev. Psychol, 68. Address: Dept. of Psychology, Purdue University, Lafayette, Ind. 47907.

PERRET, PROF. MAURICE E, b. La Chaux-de-Fonds, Switz, May 19, 11. GEOGRAPHY. B.A. Neuchâtel, 40; M.A. California, Berkeley, 42; Ph.D. (geog), Lausanne, 50. Secy, Consulte Switz, San Francisco, 42-43; del. relief, Int. Cmt. Red Cross, Wash, D.C., 43-45; Aid to Arab Refugees, Hebron, Palestine, 49-51; asst. commun, Int. Telecommun. Union, Geneva, 51-53; asst. librn, Munic. Library, La-Chaux-de-Fonds, 53-55; secy. travels, Acad. Travel Soc, Zurich, 56; Oltremare, Rome, Italy, 56-57; prof, Avenches, Switz, 57-63; asst. to assoc. prof. GEOG, WIS. STATE, STEVENS POINT, 63-66, PROF, 66- Curator, Roman Mus. Avenches, Switz, 60-63; v. pres, Nat. Cmt. Switz. Int. Geog. Union, 61-63; Wis. State res. grants, 64-66. Swiss Army. Asn. Am. Geog. Soc; Nat. Coun. Geog. Ed. Climate of Switzerland; Swiss colonies in foreign countries; regional geography of middle America; toponym; passenger services of railroads; international tourism in the world and especially in the United States. Publ: Les Colonies Tessinoises en Californie, Libr. Univ. Lausanne, 50; Presentacion del Atlas de Suiza, U.G.I. Conf. Reg. Latin Am. Mexico III, 66; co-auth, Geographical analysis of Wisconsin railroads, Bull. Wis. Coun. Geog. Ed, spring 66. Address: Dept. of Geography, Wisconsin State University, Stevens Point, Wis. 54481.

PERRIGO, PROF. LYNN I(RWIN), Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

PERRILL, DR. NORMAN K(IEH), Speech Commun, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

PERRIN, PROF. LESTER S(TANLEY), b. Sparta, Ohio, Mar. 8, 09. SOCIOLOGY. A.B. Ohio Wesleyan, 32; A.M. Ohio State, 41; Ph.D. North Carolina, 50. Assoc. prof. sociol, Fla. State, 46-52; prof. & head dept, Drake, 52-57; from prof. sociol. to PROF. ED. & COORDINATOR ADULT ED. GRAD. PROG, ARIZONA STATE, 57- U.S.N.R., 44-46, Capt. AAAS; fel. Sociol. Asn; fel. Geront. Soc. Marriage and family relations; gerontology; community; adult education. Publ: You and society; Consumer education for the elderly, Arizona State Univ, 67. Address: College of Education, Arizona State University, Tempe, Ariz. 85281.

PERRILL, DR. NORMAN K(IEH), Speech Commun, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

PERRIN, PROF. EDWARD B(URTON), Biostatist, see 11th ed, Phys. & Biol. Vols.

PERRINE, DR. M(ERVYN) W(ILLIAM), b. New Haven, Conn, Apr. 1, 28; m. 66; c. 1. PSYCHOLOGY. B.A. Connecticut, 53; Rotary Found. fel, Amsterdam, 54-55; M.A. Princeton, 57, Ph.D.(psychol), 58. Res. asst. PSYCHOL, Princeton, 57-58; lectr, Hochschule für Gestaltung, Ulm, Germany, 58-61; asst. prof, VERMONT, 61-67, ASSOC. PROF, 67- Vis. prof, Heidelberg, 64-65; res. assoc, study group systs. res, German Ministry Sci, 64-65. Psychol. consult, Int. Bus. Mach. Inc. Vt, 61-64. Dir, Ford. Found. grant, Res. Center Visual Perception, Germany, 58-61; proj. dir, U.S. Dept. Transportation, 67- Sig-C, U.S.A., 46-49. Am. Psychol. Asn; German Soc. Psychol. Social perception; visual perception, especially dichoptic presentation; attitude formation, change and measurement; influences of alcohol on attitude, personality and perceptual-cognitive measures and on driving behavior; psychometric prediction and selection. Publ: Das transaktionalistische Modell der Wahrnehmungsorganisation, Verlag für Psychologie, Göttingen, Germany, 65; Bezugskalenbildung, Diskrimination und verbale Verstärkung, Zeitschrift f. experimentelle u. angewandte Psychologie, 66; American social psychology, In: The Soviet system and democratic society: a comparative encyclopedia, Herder, Freiburg, Germany, (in press). Address: Dept. of Psychology, University of Vermont, Burlington, Vt. 05401.

PERRON, PROF. CHARLES B(RYCE), b. Tacoma, Wash, Feb. 9, 25; m. 58. SOCIOLOGY. B.A. California, 53, M.A., 55, univ. fel, 55-56, Nat. Insts. Health. fel. & Ph.D., 60. Asst. inst. indust. & labor rels, California, 53-55; res. assoc, San Francisco Home Care Proj, 56-58; instr. sociol, Michigan, 58-61, asst. prof, 61-63, asst. dir. center res. soc. orgn, 60-63; asst. prof. sociol. & admin, Pittsburgh, 63-64, assoc. prof, 64-66, res. assoc, admin. sci. center 63-66; assoc. prof. SOCIOL, WISCONSIN, 66-68, PROF, 68- Res. assoc, Mt. Zion Hosp, San Francisco, 57-58. Assoc. dir, Comp. Study Seven Juvenile Correctional Insts, 58-62; prin. investr, Study of One Correctional Inst. & Study of City Youth Cmn, 63; Comp. Study Eight Indust. Corp, 65-67; Restudy of Eight Indust. Corp. & Comp. Study of 20 Indust. Corp, 67-68. U.S.A., 43-46. Sociol. Asn. Sociology of large-scale organizations. Publ: Co-auth, Organization for treatment: a comparative study of juvenile correctional institutions, Macmillan, 66; auth, Analysis of goals in complex organizations & A framework for the comparative analysis of organizations, 4/67, Am. Sociol. Rev. Address: Dept. of Sociology, 3444 Social Science Bldg, University of Wisconsin, Madison, Wis. 53706.

PERRUCCI, DR. CAROLYN CUMMINGS, b. Murfreesboro, Tenn, June 18, 40; m. 65. SOCIOLOGY. B.S. Mid. Tenn. State, 61; Nat. Defense Ed. Act. fel, Purdue, 61-64, M.S., 63, Ph.D.(sociol), 65. Res. assoc. SOCIOL, PURDUE, 64-66, ASST. PROF, 66- Off. manpower policy, U.S. Dept. Labor res. grant, 66-67; manpower admin, U.S. Dept. Labor res. grant, 67-68; Am. Coun. Learned Soc. travel grant, Tenth Int. Seminar Family Res, Iran, 68. Sociol. Asn. Sociology of the family; sociology of occupations and professions; sociology of education. Publ: Co-auth, The engineer and scientist: student, professional, citizen, Purdue, 67; auth, Social origins, mobility patterns and fertility, Am. Sociol. Rev, 8/67; Engineering and the class structure, In: Engineers in the social system, Wiley, 68. Address: Dept. of Sociology, Purdue University, Lafayette, Ind. 47907.

PERRUCCI, PROF. ROBERT, b. New York, N.Y., Nov. 11, 30; m. 65; c. 3. SOCIOLOGY. B.S. State Univ. N.Y. Col. Cortland, 58; M.S. Purdue, 59. Soc. Sci. Res. Coun. fel, 60-61, Ph.D.(sociol), 62. Instr. SOCIOL, PURDUE, 62, asst. prof, 62-64, assoc. prof, 64-66, PROF, 67- Nat. Sci. Found. res. grant study orgn. & prinl, 66-68. U.S.M.C., 51-53. Sociol. Asn; Soc. Study Social Probs. Complex organizations; social class. Publ: Co-auth, The triple revolution, Little, 68, The engineers and the social system, Wiley, 68

& Profession without community, Random, 68. Address: Dept. of Sociology, Purdue University, Lafayette, Ind. 47907.

PERRY, PROF. A(LVAH) L(IONEL), b. Stacyville, Maine, Apr. 16, 18; m. 41; c. 2. AGRICULTURAL ECONOMICS. B.S. Maine, 42, M.S., 47; Missouri, 47-49; Ph.D., Pa. State, 57. Asst. agr. economist, Maine, 43-47; instr. AGR. ECON, Missouri, 47-49; from assoc. prof. to PROF, MAINE, 49- Consult, Venezuela & Can. Agr. Econ. Asn; Soc. Qual. Control. Marketing of agricultural products, especially potatoes. Address: Dept. of Agricultural Economics, Winslow Hall, University of Maine, Orono, Maine 04473.

PERRY, DEAN B(ENJAMIN) L(UTHER), JR, b. Eatonville, Fla, Feb. 27, 18; m. 44; c. 1. ECONOMICS, RURAL SOCIOLOGY. B.S. Fla. Agr. & Mech. Col, 40; scholar. & M.S. Iowa State Col, 42; Ph.D. Cornell, 54. Teacher, high sch, N.C., 46-47; Fla., 48-49; instr. econ, Fla. Agr. & Mech, 50-52, asst. prof, 53-55, prof, 55-62; adv. student affairs, Michigan State Univ. & Univ. Nigeria, 62-64; prof. econ, FLA. AGR. & MECH, 64-67, DEAN ADMIN, 67- Mem. tech. panel, Res. Group, Atlanta, 66- U.S.A., 42-47, 1st Lt. Econ. Asn; Agr. Econ. Asn. Economics of agronomic responses of lime and phosphate on farms cooperating under Tennessee Valley Authority agreements in Iowa; alternative economic opportunities on the land in the general farming area of northwest Florida. Publ: Marketing class surveys; Negro consumer, patronage motives; Negro consumer reaction to the suggested boycott of downtown stores in Tallahassee, Florida. Address: Florida Agricultural & Mechanical University, Tallahassee, Fla. 32307.

PERRY, DR. DALLIS K(AY), b. Anacortes, Wash, Mar. 15, 29; m. 52; c. 2. PSYCHOLOGY. B.S. Washington (Seattle), 50; M.A. Minnesota, 51, Ph.D. (psychol), 53. Asst. psychol, Minnesota, 50-53; asst. prof. officer, U.S. Dept. Air Force, 54-55; res. psychologist, U.S. Govt, 55-60; human factors scientist, Syst. Develop. Corp, 60-67; ASSOC. PROF. PSYCHOL, MINNESOTA, MINNEAPOLIS, 67- Psychol. Asn; Psychomet. Soc; Personnel & Guid. Asn. Measurement of vocational interests, work attitudes and job values; personnel selection and placement; assessment and evaluation of scientific and professional personnel; educational measurement. Address: 701 N. Keller Pkwy, St. Paul, Minn. 55117.

PERRY, DR. EVERETT L, b. Warsaw, N.Y., June 20, 11; m. 32; c. 1. SOCIOLOGY OF RELIGION, URBAN SOCIOLOGY. A.B. Rochester, 38; B.D. Colgate-Rochester Divinity Sch, 41; Ph.D. Chicago, 59. Asst. BD. NAT. MISSIONS, UNITED PRESBY. CHURCH IN THE U.S.A., 45-52, field surv. secy, 51-61, DIR. FIELD SURV. & RES, 61-, ASSOC. CHMN. INST. STRATEGIC STUDIES, 62- Sociol. Asn; Inst. Planners; Pop. Asn. Fundamentalism; social class; human ecology; demography; institutional analysis; community studies; church planning. Publ: Some suggestions for church-community surveys; co-auth, Church and city planning & The Church and the aging, United Presby. Church U.S.A. Bd. Nat. Missions, 67. Address: Room 1244, 475 Riverside Dr, New York, N.Y. 10027.

PERRY, DR. GEORGE L, b. New York, N.Y., Jan. 23, 34; m. 56; c. 3. ECONOMICS. S.B. Mass. Inst. Tech, 54, U.S. Steel Found. fel, 58-60, Ford Found. fel, 60-61, Ph.D.(econ), 61. Asst. prof. ECON, MINNESOTA, MINNEAPOLIS, 61-65, ASSOC. PROF, 65- Ford Found. faculty res. fel, 66-67. Consult, Rand Corp, summer, 58-59, sr. economist, President's Coun. Econ. Adv, 61-63, consult, 63-; President's Automation Cmn, 65-; U.S. Treas, 67- Econ. Asn; Economet. Soc. Inflation and growth in the American economy; economic forecasting. Publ: Unemployment, money wage rates and inflation, M.I.T. Press, 66; Determinants of wage rate changes, Rev. Econ. Studies, 64; Wages and the guideposts, Am. Econ. Rev, 67. Address: Dept. of Economics, University of Minnesota, Minneapolis, Minn. 55455.

PERRY, DR. GORDON NEIL, b. Victoria, B.C., Nov. 22, 09; nat. m. 40; c. 2. BUSINESS ADMINISTRATION. B.A. British Columbia, 33; M.P.A. Harvard, 43, A.M. & Ph.D., 52. Secy, Econ. Coun, B.C., 34-38; dir. bur. econ. statist. & econ. adv. dom-prov. rels, Govt. Province B.C., 38-47; asst. dir. int. econ. rels. div, dept. finance, Govt. Can, 47-50; chief payment div, Int. Monetary Fund, 50-52; Can. alternate & exec. dir, Int. Monetary Fund & Int. Bank Reconstruct. & Develop, 52-53; econ. adv. & gov. State Bank, Govt. Ethiopia, 54-56; asst. dir. opers. dept, Int. Bank Reconstruct. & Develop, 56-60; prof. commerce & bus. admin. & dean faculty, British Columbia, 60-65; DEP. MINISTER ED, GOVT. B.C., 65- Econ. Asn; Can. Polit. Sci. Asn; Inst. Pub. Admin. Can. Theory of intergovernmental fiscal relations; international finance. Address: Dept. of Education, Parliament Bldgs, Victoria, B.C., Can.

PERRY, DR. HORACE M, Psychol, see 10th ed, Soc. & Behav. Vols.

PERRY, DEAN J. WARREN, b. Richmond, Ind, Oct. 25, 12. PSYCHOLOGY. B.A. DePaul, 44; fel, Harvard, 47-48; fel. & Ph.D.(ed. psychol), Northwestern, 55. Instr. speech & Eng, St. John's Mil. Acad, 48-51; asst. prof. psychol, Illinois, 55-57; asst. prof. psychol. & dir. prosthetic ed, med. sch, Northwestern, 57-61; asst. chief, div. training, off. voc. rehab, Dept. Health, Ed. & Welfare, Wash, D.C., 61-64, dept. asst. cmnr, 64-66; DEAN. SCH. HEALTH RELATED PROFESSIONS, STATE UNIV. N.Y. BUFFALO, 66- Mem. cmt. prosthetic-orthotic ed, Nat. Acad. Sci.-Nat. Res. Coun, 66- Psychol. Asn; Personnel & Guid. Asn; Am. Med. Asn; Asn. Schs. Allied Health Professions (v. pres, 67-). Psychology; rehabilitation. Address: 1217 Delaware Ave, Apt. 901, Buffalo, N.Y. 14209.

PERRY, PROF. JAMES DONALD, b. Huntington, W.Va, July 29, 12. PSYCHOLOGY, STATISTICS. B.S. Marshall, 48, M.A. 49; Ohio State, 50-55; Nat. Sci. Found. grant, Wyoming, 59. Instr, Marshall, 50-53, asst. prof, 53-60; ASSOC. PROF. PSYCHOL. & STATIST, DEFIANCE COL, 60- Counseling psychologist, Vet. Admin, Huntington, W.Va, 58-59. U.S.N., 41-46. AAAS; Psychol. Asn. Learning theory; validity of statistical tests of homogeneity of variances. Address: 1626 Baringer Dr, Defiance, Ohio 43512.

PERRY, PROF. J(OHN) DOUGLAS, Pub. Rels, see 10th ed, Soc. & Behav. Vols.

PERRY, DR. JOSEPH M(CARITY), b. Marietta, Ga, Sept. 22, 36; m. 62; c. 1. ECONOMICS, ECONOMIC HISTORY. A.B. Emory, 58; M.B.A. Ga. State Col, 61; M.A. Northwestern, 64, Ph.D.(econ), 66. Lectr. ECON, eve. div. North-

- western, 63-64; ASST. PROF. FLORIDA, 64- U.S.A. & U.S.A.R, 54-62, Sgt. Econ. Asn; Econ. Hist. Asn; Brit. Econ. Hist. Soc. Analysis of United States economic development during the 1860-1914 period. Address: 2149 N.W. 29th Place, Gainesville, Fla. 32601.
- PERRY, DR. LOUIS B(ARNES), b. Los Angeles, Calif, Mar. 4, 18; m. 42; c. 3. ECONOMICS. A.B. California, Los Angeles, 38, A.M. 40, Ph.D. 50; fel, Yale, 41; LL.D. Pacific Univ, 64; hon. L.H.D. Whitman Col, 67. Asst. California, Los Angeles, 39-41, 47, asst. & instr. exten. div, 46-47; instr. econ. Pomona Col, 47-50, asst. prof, 50-52, assoc. prof, 52-55, asst. to pres, 55-57, prof, 57-59, dir. voc. guid. & placement, 47-51; pres, Whitman Col, 59-67; V.PRES. & TREAS. STANDARD INS. CO, 67- U.S.A. 42-45. Econ. Asn. Labor economics and industrial relations; investments. Publ: Our needy aged; co-auth, A history of the labor movement, Los Angeles, 1933-39, Univ. California, 63. Address: Standard Insurance Co, 1100 S.W. Sixth St, Portland, Ore. 97207.
- PERRY, DR. NATHAN W, JR, b. Belvedere, N.C, July 6, 32; m. 55; c. 4. PSYCHOLOGY. B.S. Fla. State, 58, U.S. Pub. Health Serv. fel, 60, Ph.D. (psychol), 63. Asst. prof. PSYCHOL, FLORIDA, 63-67, ASSOC. PROF, 67- Co-investr, U.S. Pub. Health Serv. res. grant, 63-66, prin. investr, 66-69. U.S.N. 50-54. Psychol. Asn; Int. Soc. Clin. Electrorretinography. Cortical functions and neural communication in perception and vision. Publ: Signal versus noise in the evoked potential, Science, 53 & 66; Cortical potentials in normal and amblyopic binocular vision, In: Sixth symposium of the International Society for Clinical Electrorretinography, 67; Binocular addition of the visual evoked response at different cortical locations, Vision Res, (in press). Address: Dept. of Psychology, University of Florida, Gainesville, Fla. 32601.
- PERRY, DR. PETER S, b. Hanover, N.H, May 21, 26; m. 57; c. 2. SPEECH PATHOLOGY. B.A. Oberlin Col, 52; M.A. Northwestern, 54; Ph.D. (speech path), Michigan, 63. Speech therapist, univ. hosp. sch, Iowa, 54-55; cerebral palsy clin, Kanawha County Soc. Crippled Children, W.Va, 55-57; asst, speech clin, Michigan, 57-60, res. asst, 60-62; SPEECH PATHOLOGIST, VET. ADMIN. HOSP, Denver, Colo, 62-65, CLEVELAND, 66- U.S.A. 45-47, 50-51, Sgt. Speech & Hearing Asn. Acoustic characteristics of esophageal speech; language characteristics of dysphasia. Address: Dept. of Audiology & Speech, Veterans Administration Hospital, 10701 East Blvd, Cleveland, Ohio 44106.
- PERRY, PROF. ROBERT F, JR, b. Claremont, N.H, Mar. 3, 24; m. 50; c. 2. GEOGRAPHY. B.A. Amherst Col, 49; M.A. Syracuse, 50; Ph.D. Clark, 57. Asst. GEOG, Syracuse, 49-50; asst. prof, Miami (Ohio), 50-52 & 54-57; instr, Mass. State Col, Salem, 53-54; asst. prof, Mass. State Col, Bridgewater, 57-58, assoc. prof, 58-59; PROF, MASS. STATE COL, WORCESTER, 59- U.S.N.R. 42-46. Asn. Am. Geog; Am. Geog. Soc; Nat. Coun. Geog. Ed; Royal Scottish Geog. Soc. Agricultural geography and climatology. Publ: Co-auth, Manual for elementary geography; auth, Teaching experiment in geography, J. Geog. Address: Dept. of Geography, Massachusetts State College at Worcester, Worcester, Mass. 01602.
- PERRY, DR. STEWART E(DMOND), b. Paris, France, Mar. 8, 28; U.S. citizen; m. 51. SOCIAL PSYCHOLOGY. A.B. Kenyon Col, 47; Georgetown, 47-48; American Univ, 53-58; fel, Harvard, 60-63, Ph.D.(soc. rels), 63. Soc. sci. analyst, Nat. Inst. Ment. Health, 53-58; consult. & res. soc. scientist, Psychiat. Home Treatment Serv, sch. med, Boston, 58-61; lectr. sociol. & assoc. res. sociologist, sch. med, California, San Francisco, 63-67; RES. SOCIOLOGIST, OFF. ECON. OPPORTUNITY, 67- Lectr, California, Berkeley, 65-67. Soc. sci. analyst, cmt. disaster studies, Nat. Res. Coun, 54, consult, 56. Med. C. U.S.A. 50-52. Sociol. Asn; Soc. Appl. Anthropol. Social psychological theory of international relations; sociology of the mental hospital; sociology of knowledge and science; intellectual behavior; action research techniques; mental retardation; interpersonal space. Publ: Co-ed, Personality and political crisis; auth, The human nature of science, Free Press Glencoe, 66 & Notes on the role of the national, J. Conflict Resolution. Address: 2022 Columbia Rd. N.W, Washington, D.C. 20009.
- PERRY, VINCENT A, b. Weehawken, N.J, May 14, 20; m. 44; c. 2. ECONOMICS. A.B. N.Y. Univ, 48, M.A. 49. Asst. prof. econ. & finance, Lehigh, 49-51; economist, Gen. Foods Corp, 51-59; v.pres. & treas, Universal Match Corp, 59-61; ASST. TREAS. INT. PAPER CO, 61- U.S.A. 42-46, Capt. Econ. Asn; Finance Asn. Corporate finance; money and banking; business trend forecasting. Address: International Paper Co, 220 E. 42nd St, New York, N.Y. 10017.
- PERRY, WILLIAM G(RAVES), JR, b. Paris, France, Feb. 13, 13; U.S. citizen; m. 34; c. 2. COUNSELING, PSYCHOLOGY. A.B. Harvard, 35, M.A. 40. Teacher, Rivers County Day Sch, 35-39; asst, Radcliffe Col, 39-41; instr. eng. & asst. dean, Williams Col, 41-45; DIR. BUR. STUDY COUN. & PROF. ED, HARVARD, 46- Psychol. Asn. Counseling of college students; relation of education & personality. Publ: Relations of psychotherapy and counseling, Ann. N.Y. Acad. Sci; Conflicts in the learning process, In: Handbook for college teachers; Collaboration of client and counselor, In: Psychotherapy. Address: 58 Lakeview Ave, Cambridge, Mass. 02138.
- PERSIL, DR. HERBERT GEORGE, b. Pikeville, Ky, Nov. 22, 29; m. 59; c. 4. POLITICAL SCIENCE. B.S. Loyola (Ill), 50; M.A. Chicago, 52, Ph.D.(polit. sci), 63. Lectr. polit. sci, Loyola (Ill), 56-57; BUDGET ANALYST, U.S. Dept. Agr, 58-64; U.S. DEPT. HOUSING & URBAN DEVELOP, 64- Instr, U.S. Dept. Agr. Grad.Sch, 62-67; George Washington, 68- U.S.A. 52-55, Res, 55-63, Capt. Polit. Sci. Asn. Role of federal judiciary in federal-state relations. Address: 8925 Victoria Rd, Springfield, Va. 22151.
- PERSONS, DR. EDGAR ALLEN, b. Long Prairie, Minn, Dec. 28, 31; m. 53; c. 4. AGRICULTURE, EDUCATION. B.S. Minnesota, St. Paul, 53, fel, 64-66, M.A. 65, Ph.D.(ed), 66. Teacher, pub. schs, Minn, 53-54, 56-64; ASST. PROF. AGR. ED, MINNESOTA, ST. PAUL, 66- Field reader, Elem. & Sec. Ed. Act, U.S. Off. Ed, 66-; res. consult, N.Dak. Center Voc. & Tech. Ed, 66-67. U.S.A. 54-56. Agricultural education; curriculum development; economic evaluation of educational investment; computer assisted instruction and record keeping for farm business management. Publ: Co-auth, Educational restrictions to agricultural success and the relationship of education to income among farmers, 66 & Economic evaluation of investments in education in agriculture, 68, U.S. Off. Ed; co-auth, Agricultural education, In: Encyclopedia of Educational Research, 70. Address: 2173 Commonwealth Ave, St. Paul, Minn. 55108.
- PERSONS, DR. ROBERT H, JR, b. Dallas, Tex, Sept. 13, 22; m. c. 2. ECONOMICS. B.A. Texas, 46; fel, Columbia, 47-48, M.A. 50, Ph.D. 57. Asst. prof. econ, Tex. Tech. Col, 49-51; instr, Brooklyn Col, 52-53, lectr, 55-59; chief ed, Investors Intel, 59-63; asst. prof. ECON, State Univ. N.Y. New Paltz, 63-64; PROF, BRIDGEPORT, 64- Sr. bus. analyst, Nat. Indust. Conf. Bd, 56-59. Asst. ed, Bus. Week, 53-56. U.S.A.A.F. 42-45. Econ. Asn; Statist. Asn; Finance Asn. Business cycles; economic theory; regional economics; investments. Publ: Mining stocks of the world, Investors' Press, 64; \$ Your investments \$ in life insurance-stocks, 4th edition, 67 & Handbook of formula plans, 67, Am. Res. Coun. Address: 16 Whitehouse Rd, White Plains, N.Y. 10607.
- PERUSSE, PROF. ROLAND I(RVING), b. Springfield, Mass, May 18, 21; m. 43; c. 3. POLITICAL SCIENCE. B.A. Wisconsin, 46; Ph.D.(int. rels), American Univ, 55. Intel. specialist, U.S. Dept. Army, D.C. 47-50; pub. affairs officer, U.S. High Cmnr. Germany, 50-53; for. affairs officer, U.S. Info. Agency, 54-57; press officer, NATO, France, 57-59; for. affairs officer, U.S. Dept. State, 59-62; pub. info. officer, U.S. Info. Agency, 62-64; assoc. prof. POLIT. SCI, Texas, El Paso, 64-66; PROF. & CHM. DEPT, INTER-AM UNIV. P.R. 66- Assoc. prof, Maryland, 54-; thesis adv, American Univ. 62- Adv, U.S. Del. to Atlantic Cong, Eng, 59; pub. rels. officer, Pharmaceut. Mfrs. Assn, 62-64; chmn, Md. Citizens Cmt. Fair Congressional Redist, 63-; dir, scholars for Scranton, Scranton for President Cmt, 64; adv. to Luis Ferre, P.R. Status Campaign, 67. Legion of Merit, 46. Mil. Intel, 43-46. 1st Lt. Polit. Sci. Asn; Acad. Polit. & Soc. Sci; Int. Studies Asn; For. Serv. Asn. Psychological warfare; international affairs; propaganda; Atlantic community; contemporary international organizations. Publ: Problems of contemporary Germany, American Univ, 55; Toward a United States of Europe, U.S. Dept. State, 61; Psychological warfare reappraised, Johns Hopkins, 54. Address: Calle Jaen 320, Rio Piedras, P.R. 00923.
- PERVIN, DR. LAWRENCE A, b. Brooklyn, N.Y, Aug. 3, 36; m. 58; c. 2. PSYCHOLOGY. B.A. Queens Col.(N.Y.) 57; Ph.D.(soc. rels), Harvard, 62. Lectr. psychol, Princeton, 62-64, asst. prof, 64-68, clin. psychologist, univ. health serv, 62-68; ASSOC. PROF. PSYCHOL. & ASSOC. DEAN, LIVINGSTON COL, RUTGERS, 68- Consult, Proj. Student Develop. Small Cols. 67- Psychol. Asn; Col. Health Asn. Individual-environment interaction; higher education. Publ: Co-auth, The college dropout and the utilization of talent, Princeton, 66; auth, A 20-college study of student-college interaction, J. Ed. Psychol, 67; Performance and satisfaction as a function of individual-environment fit, Psychol. Bull. 67. Address: Livingstone College, Rutgers. The State University, New Brunswick, N.J. 08903.
- PERYAM, DR. DAVID R(AGER), b. Encampment, Wyo, Mar. 22, 15; m. 35; c. 4. PSYCHOLOGY. B.A. Wyoming, 39; Phi Kappa Phi fel, Ohio State, 39-40, M.A. 40; Ph.D. Ill. Inst. Tech, 61. Supvr. flavor res. & qual. control, Jos. E. Seagram & Sons, Inc, 40-43; blending & warehousing, Calvert Distilling Co, 46-48; chief food acceptance br, Qm. Food & Container Inst. for Armed Forces, 49-63; TECH. DIR, PERYAM & KROLL RES. CORP, 63- U.S.N.R. 44-46, Lt.(jg). Fel. Am. Psychol. Asn; Mkt. Asn; Inst. Food Tech. Methodology of flavor evaluation; measurement of consumer preference for foods; factors controlling food acceptance. Publ: Co-auth, Food preferences of men in the United States Armed Forces & Hedonic scale method of measuring food preferences, Food Tech. Address: 113 Nashua St, Park Forest, Ill. 60466.
- PESEK, PROF. BORIS P(ETER), b. Most, Czech, Sept. 21, 26; nat; m. 48. ECONOMICS. B.A. Coe Col, 52, M.A. Chicago, 53, Mid-European Studies Center fel, 52-54, Ford Found. fel, 54-56, Ph.D.(econ), 56. Fel. ECON, Hopkins, 56-57; asst. prof, Mich. State, 57-60, assoc. prof, 60-62, PROF, 62-67; WISCONSIN, MILWAUKEE, 67- Consult, East & Cent. Europe Nat. Income Proj, Columbia, 56- Econ. Asn; Economet. Soc; Soc. Study Soviet-Type Econ. Price theory; monetary theory; economic development. Publ: Gross national product of Czechoslovakia, Univ. Chicago, 65; co-auth, Money, wealth and economic theory, 67 & Foundations of money and banking, 68, Macmillan. Address: Dept. of Economics, University of Wisconsin, Milwaukee, Wis. 53211.
- PESETSKY, DR. FRED J(OHN), Clin. Psychol, see 10th ed, Soc. & Behav. Vols.
- PESKIN, DR. HENRY M(ARTIN), b. Worcester, Mass, Sept. 7, 37; m. 65. ECONOMICS. B.A. Wesleyan, 59; Fulbright fel, 61-62; Ph.D.(econ), Princeton, 65. Staff economist, Inst. Defense Anal, 63-65; mgr. D.C. Off. Mathematica, Inc, 65-66; SR. ANALYST, OFF. EMERGENCY PLANNING, 66-; ASST. PROF. ECON, GEORGE WASHINGTON, 64- Econ. Asn; Economet. Soc. Econometrics; macro-economic theory; dynamic equilibrium models; civil defense economics. Publ: Protecting industrial resources against nuclear attack, Inst. Defense Anal, 65; SPIM: an inter-industry model of price behavior, Mathematica, Inc, 66. Address: Office of Emergency Planning, Washington, D.C. 20504.
- PESSEMIER, DR. EDGAR ALLEN, b. Tacoma, Wash, Mar. 17, 22; m. 49; c. 3. MARKETING. B.S. Notre Dame, 43; M.S. N.Y. Univ, 54; Ford Found. fel, Harvard, 55-56, D.B.A. 56. Asst. prof. mkt, Washington State, 56-60, assoc. prof, 60-61; indust. mgt, PURDUE, 61-63, PROF. INDUST. ADMIN, 63- Ford fel, Inst. Basic Math, 59-60; vis. fel, Harvard, 68. U.S.A. 43-46. Mkt. Asn; Econ. Asn; Opers. Res. Soc; Inst. Mgt. Sci. Experimental and mathematical methods applied to economic and management problems. Publ: Mathematical models and methods in marketing; New product decisions: an analytical approach, McGraw, 66; co-auth, Application of the sciences to marketing management, Wiley, 68. Address: 711 Krannert Hall, Purdue University, West Lafayette, Ind. 47907.

- PETER, DR. HOLLIS W(ILLIAM), b. Nanking, China, Feb. 14, 15; m. 39; c. 2. ECONOMICS, SOCIAL SCIENCE. B.S. Wisconsin, 38; M.A. Michigan, 56, Ph.D. 60. Asst. Wisconsin, 37-38; soil surveyor, soil conserv. serv. U.S. Dept. Agr. 38-41; planning technician land sect, Nat. Resources Planning Bd, 41-43; head food & agr. br. div. geog. & int. & functional intel, U.S. Dept. State, 45-47, acting chief, 47-48, assoc. dir. prog. planning staff, Tech. Coop. Admin. 49-51, dir, U.S. Opera. Mission, Lebanon, 51-53; asst. & assoc. dir. Found. Res. Human Behav. 54-59, dir, 60-66; EXEC. DEVELOP. PROG. CONSULT, UNIV. BUFFALO FOUND, 67- Res. assoc. Int. Soc. Res. 58; Carnegie Endowment Int. Peace res. grant, 68. Consult, Shell Int. Petrol. Co. Ltd, Eng. 65-; Imp. Chem. Indus. Ltd, 67- U.S.A. 43-44. AAAS; Econ. Asn.; Soc. Appl. Anthropol. Sociol. Asn.; Statist. Asn.; Soc. Psychol. Study Soc. Issues. Application of social science research in industry; use of technical and social knowledge in economic development; cross-cultural training. Publ: Ed. & contrib. author, Comparative theories of social change, Found. Res. Human Behavior, 67; auth, Measuring successful performance overseas, Int. Develop. Rev; New dimensions in management, Shell Mag, 7-8/67. Address: Shell Centre, London S.E. 1, Eng.
- PETER, DR. LAURENCE J, b. Vancouver, B.C., Sept. 16, 19; m. c. 4. EDUCATIONAL PSYCHOLOGY. B.A. West. Wash. State Col, 57, M.Ed. 58; Ed.D. (ed. psychol), Washington State, 63. Teacher, Surrey High Sch, B.C. 41-43; Chilliwach High Sch, 43-47; instr. B.C. Prison Dept, 47-48; teacher, Vancouver Sch. Bd, 48-50, couns., 50-55; ment. health coordinator, 55-64; asst. prof. ED, British Columbia, 64-66; ASSOC. PROF, SOUTHERN CALIFORNIA. 66- Can. Fed. Health grant ment. health serv. for children, 55-56. Coun. Except. Children; Can. Psychol. Asn. Learning disabilities; education of handicapped children; communication of psychological reports; education of psychotic and disturbed children. Publ: Prescriptive teaching, McGraw, 65; A prescriptive teaching program, Ed. Panorama, 65; The Peter principle or the incompetent shall inherit the earth, West Mag. of Los Angeles Times, 67. Address: School of Education, University of Southern California, Los Angeles, Calif. 90007.
- PETERMAN, DR. JACK N(AT), b. Poland, May 17, 13; nat; m. 45; c. 2. PSYCHOLOGY. B.A. Rutgers, 38; M.S. Massachusetts, 40; Ph.D.(psychol), Michigan, 51. Asst. bur. appl. soc. res. Columbia, 36-41; mkt. res. consult, 46-47; res. assoc. & dir. field studies, navy sponsored conf. res. Michigan, 48-50; res. psychologist & chief sect, Air Force Audio-Visual Aids Res. 50-55; dir. psychol. res. Buchen Advert, Inc. 55-61, res. dir, 61-62; dir. psychol. res. Campbell-Mithun, Inc. 62-66; ASSOC. PROF. PSYCHOL-ADVERT, MINNESOTA, MINNEAPOLIS, 66- Sig.C. U.S.A. 42-45. AAAS; Psychol. Asn.; Mkt. Asn.; Statist. Asn.; Asn. Pub. Opinion Res.; Asn. Ed. Journalism; Acad. Advert. Attitude and opinion surveys; audience reaction to audio-visual media; psychological aspects of marketing research; theory, innovation and application of information classification, storage and retrieval. Publ: Pretesting a motion picture, J. Soc. Issues; Motivational research, Indust. Mkt; Psychology and psychologists—as seen by Minnesota psychologists, Background Paper 6, Minn. Psychol. Asn, 3/66. Address: 9311 W. Franklin Ave, Minneapolis, Minn. 55426.
- PETERS, C(HARLES) W(ILBER), b. Sioux Falls, S.Dak. Dec. 27, 08; m. 46; c. 3. AGRICULTURAL ECONOMICS. B.S. Oregon State, 32, M.S. 40. Bus. analyst, farmers home admin, U.S. Dept. Agr. 42-47, agr. economist, bur. agr. econ, 49-50, agr. mkt. serv. 54-55; asst. prof. agr. econ. & asst. agr. economist, Oregon State, 47; mgr. Matanuska Valley Proj, Alaska Rural Rehab. Corp. 47-49; budget exam. prog. rev. U.S. Bur. Budget, 50-51; territorial price exec. price control prog. Off. Price Stabilization, Alaska, 51-52; prof. agr. econ. Hawaii, 52-54, prof. agr. econ. head dept. & agr. economist, 55-62, 65-67, chief party, Univ. Hawaii-Agency Int. Develop. contract, Kasetsart Univ, Bangkok, 62-65; AGR. ECON. ADV. AGENCY INT. DEVELOP. SAIGON, VIETNAM, 67- Consult, Ford Found, Lebanon, 60; U.S. Overseas Mission, Bangkok, Thailand, summer 66. U.S. del. Int. Cong. Agr. Economists, India, 58. Am. Agr. Econ. Asn; Am. Acad. Polit. & Soc. Sci; Int. Asn. Agr. Econ. Marketing research relating to farm products; agricultural credit; farmer cooperatives; government programs for agriculture; agricultural development. Publ: Cost of marketing Carolina peaches in 1954; Agricultural cooperatives in Hawaii-1959, Hawaii Agr. Exp. Sta. Report; Agricultural credit and marketing in northeast Thailand, U.S. Overseas Mission, Thailand, 8/66. Address: U.S. Agency for International Development Agriculture, APO San Francisco 96243.
- PETERS, DR. DAVID R(OSS), b. Cleveland, Ohio, June 12, 38; m. 61. BEHAVIORAL SCIENCE, BUSINESS ADMINISTRATION. B.E. Yale, 59, M.I.A. 62; Ph.D.(mgt. & behav. sci), Mass. Inst. Tech. 66. Acting asst. prof, BEHAV. SCI. & BUS. ADMIN. CALIFORNIA, LOS ANGELES, 64-66. ASST. PROF, 66- Summers, fel. Inst. Appl. Behav. Sci, Nat. Training Labs, 66, consult, 66 & 67. AAAS; Psychol. Asn; Sociol. Asn. Social psychology; career development; leadership and organizational behavior; human relations training. Publ: Co-auth, Interpersonal values, leadership attitudes, and managerial success, Personnel Psychol, 62; auth, Notes on career growth in NASA: patterning of interview responses, Mass. Inst. Tech. Sch. Mgt, 63; Career orientations and perceptions of rewarded activity in a research organization, Admin. Sci. Quart, 65. Address: Behavioral Science Area, Graduate School of Business Administration, University of California, Los Angeles, Calif. 90024.
- PETERS, DR. EDWIN F(ERRELL), Psychol, see 10th ed, Soc. & Behav. Vols.
- PETERS, DEAN FRANK CORNELIUS, b. Russia, July 5, 20; Can. citizen; m. 43; c. 5. PSYCHOLOGY, RELIGION. B.A. Tabor Col, 47; M.S. Kans. State Teachers Col, 48; B.D. Evangelical Lutheran Sem, Waterloo, 52; M.Th. Emmanuel Col, Toronto, 53; Th.D. Cent. Baptist Theol. Sem, Kansas City, 56; Ph.D.(psychol), Kansas, 59. Lectr. psychol, Waterloo Col, 49-53; pres. Tabor Col, 53-56; prof. psychol. & dean, Mennonite Brethren Col, 57-65; assoc. prof. psychol, WATERLOO LUTHERAN, 65-67; DEAN, 67- Publ: Co-auth, History of the Mennonites, Herald, 67; auth, Peters Biblical knowledge test, Bur. Measurement, Kans. State Teachers Col, 48; Mennonite attitudes and values, Man. Hist. Soc. 61. Address: 76 Shuh, Kitchener, Ont, Can.
- PETERS, GEORGE A(LFRED), b. Boston, Mass, Nov. 24, 24; m. 48; c. 2. HUMAN FACTORS ENGINEERING. B.A. Massachusetts, 49; M.A. Temple, 54; Stevens Inst. Tech, 56-57; Southern California, 57-61; London, 62-63. Psychologist, Gen. Hosp, Phila, Pa. 54-55; res. psychologist, Picatinny Arsenal, 56-57; res. assoc. Psychol. Res. Assocs, 58-59; res. eng. Douglas Aircraft Co, 59-60; head human factors staff, Rocketdyne Div, N.Am. Aviation, Inc. 60-67; RES. DIR. PROD. SAFETY RES. CORP, SHERMAN OAKS, 67- Guest lectr, Southern California. Consult, bd. dirs, Pedco, Inc. 61; numerous law firms, indust. concerns & ins. companies, 67- C.Eng. 43-46, 50-53, Res. 46-50, 53-, Capt. Fel. AAAS; Psychol. Asn; Human Factors Soc; Aerospace Syst. Safety Soc; Soc. Qual. Control; Inst. Aeronaut. & Aeronaut. Int. Ergonomics Asn. Man-machine systems; system safety; human performance in equipment design. Publ: Human performance in the Atlas engine maintenance area; Academic training needs in human factors engineering, J. Eng. Ed; Non-financial compensation for engineers, In: Optimum use of engineering talent. Address: 943 Fourth St, Santa Monica, Calif. 90403.
- PETERS, DR. GEORGE R(OBERT), b. Sioux City, Iowa, Dec. 7, 39; m. 60; c. 1. SOCIOLOGY. B.A. Nebraska, 62, M.A. 64, Nat. Inst. Ment. Health res. traineeship, 64-66, Ph.D. 68. Instr. SOCIOL, Nebraska, 66-67; ASST. PROF, KANSAS STATE, 67- Sociol. Asn. Primary group interaction, especially friendship relations; small group social psychology. Publ: Co-auth, IPA: an IBM Fortran program which rapidly orders and summarizes interaction process analysis data, Behav. Sci, 67. Address: Dept. of Sociology & Anthropology, Kansas State University, Manhattan, Kans. 66502.
- PETERS, PROF. GERALD, b. Flynn, Tex, Dec. 1, 10; m. 36; c. 3. PSYCHOLOGY. B.A. Tex. Tech. Col, 45, M.Ed. 50, Ed.D. 57; Colorado, 62. Prin. pub. schs, Tex, 40-56; asst. prof. Tex. Tech. Col, 56-57; PROF. PSYCHOL, PANHANDLE STATE COL, 57- Personnel & Guid. Asn. Attitudes of the American adolescent as effect on American culture. Address: Dept. of Psychology, Panhandle State College, Goodwell, Okla. 73939.
- PETERS, DR. HAROLD C, b. New York, N.Y., Jan. 3, 30; m. 54; c. 2. CLINICAL PSYCHOLOGY. A.B. N.Y. Univ, 51; M.S. Pa. State, 52, U.S. Pub. Health Serv. fel, 53-55, Ph.D.(psychol), 55. Psychologist, Camp Easter Seal, Pa, 52; trainee clin. psychol, Vet. Admin. Hosp, Roanoke, Va, 52-53; res. assoc. & coordinator tests & measurements, Pa. State, 55-56, instr. psychol, 56; asst. prof. psychol. & psychologist, guid. center, Miami (Fla), 56-62; chief psychologist, Dade county juvenile court child guid. clin. 62; DIR. MKT. RES, NAT. BUS. RES. CORP, 62- Consult, Fla. Alcoholic Rehab. Prog, 64-; prog. dir, Nat. Testing Serv, 66- Psychol. Asn. Experimental design; self-concept; individual and group psychotherapy; motivational and marketing research; vocational guidance. Publ: Investigation of closed-circuit television for teaching university courses; Prediction of success and failure in elementary foreign language courses, J. Appl. Psychol; Studies of effect of change of drive. II. From hunger to thirst drive in a T-maze, J. Exp. Psychol. Address: 9435 S.W. 53rd St, Miami, Fla. 33165.
- PETERS, DR. H(ENRY) N(ELSON), Psychol, see 10th ed, Soc. & Behav. Vols.
- PETERS, DR. JAMES S(EDALIA), II, b. Ashdown, Ark, May 11, 17; m. 42; c. 3. PSYCHOLOGY, GUIDANCE. B.S. Southern Univ, 40, M.A. Hartford Sem. Found, 42; Chicago, 46-53; M.S. Ill. Inst. Tech, 52; Vet. Admin. fel, Purdue, 53-55, Ph.D.(counseling psychol), 55. Teacher, high sch, La, 39-40; couns. voc. ed, YMCA, Ill. 45-46; counseling psychologist, Vet. Admin. Regional Off, 46-52, Vet. Admin. Hosp, Hines, 52-53; asst. ed. counseling, Purdue, 53-55; asst. prof. psychol. & dir. voc. rehab. counseling, grad. prog, Springfield Col, 55-56; DIR. DIV. VOC. REHAB, CONN. STATE DEPT. ED, 56- Adj. prof, Hartford, 56. Psychol. consult, H.P. Dinan Eval. Center, Bridgeport, 66. Mem. States' Coun. Voc. Rehab. Dirs, 56-; The President's Cmt. Hire Physically Handicapped, 56-; World Cong. Int. Soc. Rehab. Disabled, 60. U.S.N. 42-45. Psychol. Asn; Personnel & Guid. Asn. Personality assessment and development; social and self concept of delinquents, high school youth and physically and mentally disabled. Publ: Scale of socioecocentrism, 66; Attitudes of delinquents as measured by the semantic differential scales, J. Individual Psychol; Wechsler-Bellevue verbal scores of Negro and white males, J. Negro Ed. Address: 328 Huckleberry Hill Rd, Avon, Conn. 06001.
- PETERS, DR. JOHN E(MMETT), Psychiat, Exp. Psychol, see 11th ed, Phys. & Biol. Vols.
- PETERS, PROF. JOSEPH A(LLEN), (JR), b. Philadelphia, Pa, Dec. 18, 26; m. 57; c. 2. POLITICAL SCIENCE. B.A. Pa. State Col, 47; M.A. Pennsylvania, 50, Harrison scholar, 54-55, Harrison fel, 55-56, Samuel S. Fels Fund fel, 57-58, Ph.D. 64; U.S. Dept. State For. Serv. Inst, 51-54; American Univ, 52-53. Teacher, high sch, Del, 48-49; legis. aide to Senator Francis J. Myers, 50-51; for. affairs officer, U.S. Dept. State, 51-54; asst. prof. POLIT. SCI, Beaver Col, 56-57, 60-64; lectr, Hunter Col, 57-60; PROF, KUTZTOWN STATE COL, 64- Instr. Pennsylvania, spring 51. U.S.N.R. 45. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Soviet government, especially Soviet nationalities affairs and foreign policy; American foreign policy formulation and implementation. Publ: Co-auth, Rising tensions in central Africa, 56 & Diplomatic contact between U.S. and U.S.S.R. 56, rev. ed, 57, Univ. Pennsylvania; Chapters two and four, In: American-Asian tensions, Praeger, 56. Address: Dept. of History & Political Science, Kutztown State College, Kutztown, Pa. 19530.
- PETERS, DR. JULIUS M(ELVIN), b. Philadelphia, Pa, Jan. 18, 14; m. 40; c. 3. PSYCHOLOGY. M.A. George Washington, 42, M.S. 52; Ph.D.(psychol), American Univ, 54. Adj. prof. biol, American Univ, 47-48; RES. PSYCHOLOGIST, personnel anal. div, U.S. Bur. Naval Personnel, 49-54; personnel res. br, Adj. Gen's. Off, U.S. Dept. Army, 54-58, Nat. Security Agency, 58-60; space environment & life sci. lab, Repub. Aviation Corp, N.Y. 60-65; BIOMED. & BEHAV. SCIENTIST, SPACE SYSTS. CENTER, INT. BUS. MACH. CORP, 65- Prof. lectr. & res. consult, American Univ, 55-60. Inst. Creative Studies mem. bd. dirs, Grad. Univ, Bethesda, Md, 67- Aerospace Med. Asn; Psychol. Asn. Space psychology and physiology;

psychometrics; experimental and social psychology. Publ: Relationship between peer acceptability to Naval recruits, basic battery aptitude scores and advancement in the Navy; Comparison of the new army vision tester and a commercial vision tester; Biomedicine/behavior, vol. 7, ORL Report, NASA, 66, 3/66. Address: 15712 Jones Lane, Gaithersburg, Md. 20760.

PETERS, PROF. ROBERT WILLIAM, b. Boyden, Iowa, Sept. 3, 21; m. 49; c. 1. SPEECH PATHOLOGY, AUDIOLOGY. B.A. Minnesota, 48; M.A. Ohio State, 50, Ph.D. 53. Res. assoc. speech, res. found, Ohio State, 53-55; PROF. SPEECH, SOUTHERN MISSISSIPPI, 55-, DIR. OFF. RES. & PROJS, 67-, dir. speech & hearing clin. & acoustic lab, 55-67, chmn. dept. speech & hearing sci, 64-67. Mem. cmt. hearing, bioacoustics & biomech, Nat. Acad. Sci-Nat. Res. Coun, 64- U.S.A. 43-46, Sgt. Fel. Speech & Hearing Asn; Acoustical Soc; Psychol. Asn; N.Y. Acad. Sci. Auditory perception; speech intelligibility. Publ: Research on psychological parameters of sound; Generalization of stuttering behavior through associative learning, J. Speech & Hearing Res; Effect of changes in side-tone delay and level upon rate of oral reading, J. Speech & Hearing Disorders. Address: Box 92, Southern Station, Hattiesburg, Miss. 39401.

PETERS, PROF. WILLIAM STANLEY, b. Brooklyn, N.Y., Oct. 18, 25; m. 48; c. 4. ECONOMICS, STATISTICS. B.A. Dartmouth Col, 46; M.B.A. Pennsylvania, 48, Ph.D. 54. Instr. statist. Wharton Sch, Pennsylvania, 47-55; assoc. prof. bus. admin, Montana State, 55-59; GEN. BUS. ARIZONA STATE, 59-60, PROF. 60- U.S.N.R. 43-46. Econ. Asn; Statist. Asn; Mkt. Asn; Regional Sci. Asn. Theory of consumer demand and consumer behavior; statistical techniques in economic geography and transportation; urban and regional economics and information systems. Publ: Co-auth, Statistical analysis for business decisions, Prentice-Hall, 68; auth, Cluster analysis in urban demography, Soc. Forces; Transportation network as a region, Proc. West. Econ. Asn. Address: 321 Aeppli Dr, Tempe, Ariz. 85281.

PETERSEN, DR. DWAIN F., b. Norfolk, Nebr., Aug. 7, 34; m. 55; c. 3. EDUCATIONAL PSYCHOLOGY. B.Mus.Ed. Wayne State, 55; M.S.Ed. Drake, 61; Ed.D.(ed. psychol.), Nebraska, 64. Teacher, pub. schs, 55-56 & 59-61; instr. ed. psychol, Nebraska, 62-64; asst. prof, Mankato State Col, 64-65, assoc. prof, 65-66; res. assoc. instrnl. res, Mich. State, 66-67; ASSOC. PROF. ED. PSYCHOL. & DIR. INSTNL. RES, MANKATO STATE COL, 67- U.S.N.R. 52-, Lt. Comdr. Psychol. Asn; Ed. Res. Asn; Asn. Instrnl. Res. Institutional research; factor analyses of interest, value and personality scales; grading practices analysis; curriculum evaluation. Publ: An analysis of grading practices, Asn. Instrnl. Res, 67. Address: Mankato State College, Mankato, Minn. 56001.

PETERSEN, DR. JAMES W(ILLIAM), b. Milwaukee, Wis., Jan. 9, 23; m. 44. ECONOMICS. A.B. Ohio, 47, M.A. 48; Ph.D.(econ), Syracuse, 52. Asst. prof. econ, Vermont, 50-52; economist, inter-indust. anal. br, bur. mines, U.S. Dept. Interior, 52-53; assoc. soc. scientist, Rand Corp, Calif, 54-63; chmn. dept. econ, Vermont, 63-64; ASSOC. HEAD LOGISTICS DEPT, RAND CORP, 65- Consult, Off. Emergency Planning, 66- U.S.A. 42-46. Logistics; regional economics; fiscal policy. Publ: Co-auth, Regional analysis, an interindustry model of Utah, Rev. Econ. & Statist; Costs of alternative air base stocking and requisitioning policies, Naval Res. Logistics Quart. Address: Rand Corp, 1700 Main St, Santa Monica, Calif. 90406.

PETERSEN, DR. KEITH (SUART), b. Clinton, Mass., June 11, 24; m. 49; c. 3. GOVERNMENT, INTERNATIONAL RELATIONS. B.A. Williams Col, 45; Ph.D.(int. rels), Chicago, 49. Assoc. prof. hist. & polit. sci, Ark. State Teachers Col, 49-53; from asst. prof. to assoc. prof. govt, Arkansas, 53-66; ASSOC. PROF. POLIT. N.C. STATE, 66- Rockefeller fel, World Affairs Center for U.S. N.Y. 58-59. Summers, Ford. Seminar teaching fel. int. rels, Iowa, 55, Ford Found. fel, summer inst. Far Eastern hist. & civilization for col. teachers, Fla. State, 65. Polit. Sci. Asn. United Nations; international organization and relations. Publ: Agendas of the United Nations general assembly: a content analysis, Southwest. Soc. Sci. Quart, 12/58; Uses of the uniting for peace resolution since 1950, Int. Orgn, spring 59; The business of the United Nations security council: history and prospects, The J. Polit, 11/65. Address: Dept. of Politics, North Carolina State University, Raleigh, N.C. 27607.

PETERSEN, DR. PAUL (ORDON), b. Racine, Wis., Sept. 10, 21; m. 57; c. 2. PSYCHOLOGY. A.B. California, 46, Ph.D. 65; fel. San Francisco, 59-61. Asst. inst. personality assessment & res, California, 53-54, res. psychologist, inst. indust. rels, 54-58; trainee, Oakland Vet. Admin. Hosp, 58-59; psychologist, Solano County Ment. Health Serv, 61-62; ASSOC. PROF. PSYCHOL, CALIF. STATE COL. LONG BEACH, 62- Psychol. Asn. Personality dynamics and developmental psychology. Publ: Co-auth, Aging and personality; auth, Q-sort item analyses of a number of strong vocational inventory scales; Some personality correlates of confidence, caution and speed in a decision situation, J. Abnorm. & Soc. Psychol. Address: Dept. of Psychology, California State College at Long Beach, 6101 E. Seventh St, Long Beach, Calif. 90804.

PETERSEN, PROF. WILLIAM, b. Jersey City, N.J., Aug. 3, 12; m. 50. SOCIOLOGY, DEMOGRAPHY. A.B. Columbia, 34, Ph.D.(sociol), 54; cert. Paris, 45; New Sch. Soc. Res, 46-47; von Loon fel, Amsterdam, 51-52. Vis. lectr. sociol, Smith Col, 53; asst. prof, California, 53-56; Colorado, 56-59; from assoc. prof. to prof, California, Berkeley, 59-66; res. prof. inst. human sci, Boston Col, 66-67; ROBERT LAZARUS PROF. SOC. DEMOG, OHIO STATE, 67- Nat. Res. Coun. fel, 58-59; Nat. Inst. Ment. Health res. grant, 67. Pop. Asn; Am. Sociol. Asn; Acad. Polit. & Soc. Sci; Statist. Asn; Netherlands Sociol. Asn. International migration; human fertility; social structure. Publ: Planned migration: the social determinants of the Dutch-Canadian movement, Univ. California, 55; The politics of population, Double-day, 64; Population, Macmillan, 2nd ed, 68. Address: Dept. of Sociology, Ohio State University, Columbus, Ohio 43210.

PETERSON, DR. ARNOLD O(SCAR) D(RICK), b. Williamsport, Pa., Jan. 21, 26; m. 55. CLINICAL PSYCHOLOGY. B.S. Pa. State, 50 & 51, M.S. 53, Ph.D. 57. Intern clin. psychol, Roanoke Vet. Admin. Hosp, Va, 52-53, Leech Farm Rd. Vet. Admin. Hosp, Pittsburgh, Pa, 54; asst. prof. psychol, univ. &

staff psychologist, guid. center, Miami (Fla), 56-57; staff psychologist, St. Elizabeths Hosp, D.C. 57-64; chief psychologist, directorate ment. health & retardation, D.C. Dept. Pub. Health, 64-66; SR. STAFF PSYCHOLOGIST, PSYCHOL. & ED. SERV. BUR, GEORGETOWN UNIV, 66-; PRIVATE PRACTICE, 62- Dipl. clin. psychol, Am. Bd. Exam. Prfnl. Psychol, 65. U.S.A.A.F., 44-46. Psychol. Asn; Group Psychother. Asn. Intensive individual and group psychotherapy; projective techniques; Stevenson's Q-technique in the study and evaluation of personality and personality changes. Publ: Comparative study of Rorschach scoring methods in evaluating personality changes resulting from psychotherapy, J. Clin. Psychol; Therapist factors: an exploratory investigation of therapeutic biases, J. Counseling Psychol. Address: 6200 Summerhill Rd, Camp Springs, Md. 20031.

PETERSON, DR. ARTHUR G(ODWIN), b. Mora, Minn., Aug. 1, 04; m. 53. ECONOMICS. B.S. Minnesota, 25, M.S. 26; Soc. Sci. Res. Coun. fel, Harvard, 30-31, A.M. & Ph.D.(econ), 33. Economist, historian & statistician, bur. agr. econ, U.S. Dept. Agr, 27-44; asst. dir. res, Indust. Col. Armed Forces, 44-47; chief, statist. div, Nat. Econ. Bd, Korea, 48-49, textile, forest & agr. prods. div, Off. Secy. Defense, 49-55; secy, inter-dept. cmt. on nutrit. for nat. defense, Nat. Insts. Health, 55-62; econ. adv. Bur. Commercial Fisheries, 62-64; WRITER, 64- Chmn. adv. coun, Group Health Asn, D.C., 39-41, historian, 40-45. Econ. Hist. Asn; Agr. Econ. Asn; Agr. Hist. Soc.(secy-treas, 39-44, pres, 44). History. Publ: Salt and salt shakers, 60 & 400 trademarks on glass, 68, Washington Col; The legal history of Group Health Association of Washington, D.C. Address: The Cosmos Club, Washington, D.C. 20008.

PETERSON, PRES. ARTHUR LAVERNE, b. Glyndon, Minn., June 27, 26; m. 52; c. 3. POLITICAL PHILOSOPHY. A.B. Yale, 47; M.S. California, 48; Chicago, 49; Ph.D.(polit. sci), Minnesota, 62. Prof. polit. sci, Wis. State Col, 54-59; spec. consult. to chmn, Republican Nat. Cmt, 59-60, exec. asst. to chmn, 65-66; dir. inst. practical polit, Ohio Wesleyan, 60-62; chmn, Ohio Civil Rights Cmn, 62-65; staff dir, Republican Coord. Cmt, 65-66; PRES. AM. INST. FOR. TRADE, 66- Assemblyman, Wis. State Legis, 51-55; fel, Citizenship Clearing House, Nat. Cmt. Faculty, 60- Mem, Ohio Adv. Cmt, Nat. Civil Rights Cmn, 62-; ed. cmt, Nat. Coun. Rep. Workshops, 62- U.S.N., 44-46; U.S.M.C. 51-52, Capt. Polit. Sci. Asn. Ideology and foundations of McCarthyism; American political party structure and leadership; public affairs courses in labor and industry; American youth and political ideology. Publ: Co-auth, Electing the president, 1964, 64 & Electing the president, 68, Chandler; auth, Current practices in the field of voluntary police supervision, Delinquency Control Inst, Southern California. Address: Box 191, American Institute for Foreign Trade, Phoenix, Ariz. 85001.

PETERSON, BYRON S., b. Minneota, Minn., Jan. 21, 17; m. 45; c. 2. AGRICULTURAL ECONOMICS, STATISTICS. B.S. Minnesota, 39; M.A. New Hampshire, 42. AGR. STATISTICIAN, STATIST. REPORTING SERV, U.S. DEPT. AGR, 41- U.S.A. 42-45, 51-52. Agr. Econ. Asn. Collection of basic agricultural statistics. Address: 30 Allen Rd, Winchester, Mass. 01890.

PETERSON, DR. C(LAIR) A(LTON), b. Albert Lea, Minn., July 22, 29; m. 51; c. 2. ECONOMICS. B.B.A. Minnesota, 51; Westinghouse fel. & Ph.D.(econ), Mass. Inst. Tech, 61. Asst. indust. rels, Mass. Inst. Tech, 53-54, econ. & indust. rels, 59-60; staff mem. indust. rels, Esso Res. & Eng. Co, 58-59; asst. prof. econ. & indust. rels, univ. & res. dir. bur. labor & mgt, Iowa, 60-62; ASSOC. PROF. ECON, NAVAL POSTGRAD. SCH, 62- Staff tactical air systs, Off. Asst. Secy. Defense, 66-67, consult, 67- U.S.N. 55-58, Res, 58-, Lt. Econ. Asn. Public policy and human resources; national defense policy. Publ: An Iowa commuting pattern and labor market areas in general; Age and absenteeism; Iowa employment trends. Address: Dept. of Operations Analysis, Naval Postgraduate School, Monterey, Calif. 93940.

PETERSON, DR. DAVID WEST, b. Schenectady, N.Y., Sept. 3, 40; m. 61; c. 2. BUSINESS MANAGEMENT, INFORMATION SYSTEMS. B.S. Wisconsin, 62; Hughes Aircraft Co. fel, Stanford, 62-63, M.S. 63, Ph.D.(elec. eng), 65. Eng. trainee math. modeling, Gen. Elec. Co, 60; res. asst. computer aid, Wisconsin, 61-62; decision theory, Stanford, 63-65; ASST. PROF. QUANT. METH. ODS BUS, NORTHWESTERN, 67- Consult, U.S. Army Electronics Command, 67- U.S.A.R. 65-67, Capt. Inst. Elec. & Electronic Eng. Radio propagation at very low frequency; statistical decision theory; information theory; information systems and information-theoretic characterization of human beings. Publ: Co-auth, A method of finding linear discriminant functions for a class of performance criteria, IEEE Trans. Info. Theory, 7/66; auth, A theorem on single sample confidence intervals, Trans. Conf. Army Mathematicians, 6/67; A proposed method for predicting the phase behavior of a VLF radio signal, J. Atmospheric & Terrestrial Physics, (in press). Address: Graduate School of Business, Northwestern University, Evanston, Ill. 60201.

PETERSON, PROF. DONALD R(OBERT), b. Pillager, Minn., Sept. 10, 23; m. 51; c. 4. PSYCHOLOGY. Ph.D. Minnesota, 52. From asst. prof. to PROF. PSYCHOL. & HEAD DIV. CLIN. PSYCHOL. & DIR. PSYCHOL. CLIN, ILLINOIS, URBANA, 52- Fulbright res. prof, Italy, 59-60. U.S.A. 43-46. Psychol. Asn. Children's behavior disorders; juvenile delinquency; personality measurement; latent schizophrenia; parent-child relationships. Address: Dept. of Psychology, University of Illinois, Urbana, Ill. 61801.

PETERSON, PROF. E(DWARD) DALE, b. Marshalltown, Iowa, Apr. 18, 29; m. 51; c. 5. ECONOMICS, BUSINESS ADMINISTRATION. B.A. State Col. Iowa, 51; M.B.A. Indiana, 53, D.B.A. 60. Teacher, pub. schs, Iowa, 51-52; asst. bus, Indiana, 52-53, teaching assoc, 56-58, lectr, 58-59; teacher, Clinton Jr. Col, 53-56; asst. prof. bus. & econ, MANKATO STATE COL, 59-61, assoc. prof, 61-63, PROF. ECON, 63-, CHMN. DEPT, 65- Econ-in-action fel, Wisconsin, 61. Mem. tech. rev. panel, Liaison Facilities Cmn. Higher Ed, 67- Econ. Asn; Planning Asn. Economic theory; business education; government regulation of public utility industries. Address: Dept. of Economics, Box 6, Mankato State College, Mankato, Minn. 56001.

PETERSON, PROF. EDWIN L(OOSE), b. Provo, Utah, Oct. 27, 15; m. 39; c. 4. SOCIAL SCIENCE. B.S. Utah State, 37, M.S. 41, Ph.D. 57. Chmn. dept. SOC. SCI, Col. South. Utah, 37-54; from assoc. prof. to PROF, UTAH

STATE, 54- Dir. Am. Legion Utah Boys State, 59- U.S.A.A.F. 42-46, Maj. Political geography. Publ: Cultural geography: Europe; Cultural geography: Afro-Asia; Cultural geography: the Americas. Address: Dept. of Social Science, Utah State University, Logan, Utah 84321.

PETERSON, PROF. EVAN T(YE), b. Phoenix, Ariz, Oct. 12, 25; m. 50; c. 6. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.S. Brigham Young, 52, M.S. 53; univ. fel, Michigan, 54-56, U.S. Pub. Health Serv. fel, 57-58, Ph.D. 59. Asst. SOCIOL. Brigham Young, 51-53, instr, 53-54; Michigan, 56-57; asst. prof, Miss. State, 58-59; BRIGHAM YOUNG, 59-62, assoc. prof, 62-67, PROF, 67- Assoc. res. prof, col. nursing, Utah, 63-67. Summers, vis. prof, San Diego State Col, 66-67, Arizona State, 68. Med.C. 44-46, Sgt. Sociol. Asn; Soc. Study Social Probs; Nat. Coun. Family Rels. Marriage and family; medical sociology. Publ: Co-auth, Introductory sociology, W.C. Brown, 60 & Working with families with health problems, Col. Nursing, Univ. Utah, 66; auth, Impact of maternal employment of the mother-daughter relationship, Marriage & Family Living. Address: Dept. of Sociology, Brigham Young University, Provo, Utah 84601.

PETERSON, PROF. FRANK N(WEWELL), b. Bellingham, Wash, July 16, 27; m. 50; c. 2. SOCIOLOGY. B.A. Puget Sound, 50; Th.M., Iliff Sch. Theol, 53, Th.D. 60. Asst. SOCIOL. Iliff Sch. Theol, 51-54; instr, PUGET SOUND, 54-55, asst. prof, 55-60, assoc. prof, 60-62, PROF, 62- Mem. interagency cmt. res, Coordinating Coun. Methodist Church, 64- Sociol. Asn; Rural Sociol. Soc. Rural, urban and religious sociology. Address: Dept. of Sociology, University of Puget Sound, Tacoma, Wash. 98416.

PETERSON, PROF. FREDRICK ALVIN, b. Sheboygan, Wis, June 23, 20; m. 59; c. 2. ANTHROPOLOGY. B.A. Mex. City Col, 48, M.A. Univ. of the Americas, 50. Prod. ed, Mex. This Month, 56-57; archaeologist, New World Archaeol. Found, 58-59, field dir, 59-60; asst. dir, R.S. Peabody Found. Tehuacan Archaeol.-Bot. Proj, 61-63; res. assoc. scientist, Texas, 63-64; ASST. PROF. ANTHROP. & DIR. LATIN AM. STUDIES, W.VA. WESLEYAN COL, 64- Vis. prof, Univ. of the Americas, 65- Fel, Interam. Found, 58- U.S.A. 42-45, M/Sgt. Fel. Anthropol. Asn; Acad. Polit. & Soc. Sci. Mesoamerican archaeology and ethnology; Latin American history, cultures and politics; non-verbal communication; jungle and cave exploration. Publ: Ancient Mexico, Putnam, 59; co-auth, The Mexican Kickapoo Indians, Milwaukee Pub. Mus, 58; Santa Marta Cave, New World Archaeol. Found, 62. Address: Dept. of Anthropology, West Virginia Wesleyan College, Buckhannon, W.Va. 26201.

PETERSON, PROF. G(EOGE) M(AXWELL), b. Council, Idaho, June 30, 01; m. 24; c. 1. PSYCHOLOGY. Ph.B. Chicago, 23, M.A. 27, Ph.D.(psychol), 31. Asst. prof. PSYCHOL, Denver, 31-33; NEW MEXICO, 33-35, assoc. prof, 35-40, prof, 41-63, EMER. PROF, 63-, head dept, 48-63. U.S.A.A.F. 44. AAAS; fel. Psychol. Asn. Mechanisms of handedness in rat; neural equivalent of practice; animal and physiological psychology. Address: Dept. of Psychology, University of New Mexico, Albuquerque, N.Mex. 87106.

PETERSON, PROF. G(EOGE) SHOREY, b. Garretson, S.Dak, Dec. 22, 97; m. 23; c. 2. ECONOMICS. A.B. Albion Col, 20; fel, Michigan, 20-21, A.M. 21, Ph.D.(econ), 27. Instr. econ, Michigan, 21-27, asst. prof, 27-34, assoc. prof, 34-41, prof, 41-67; RETIRED. Soc. Sci. Res. Coun. fel, 28-29. Assoc. prof, Harvard, summer 41. Economist, Nat. Defense Adv. Cmt, summer, 40; Joint Coun. Econ. Ed, 61. U.S.A. 18. Econ. Asn. Industrial organization and public policy; education in economics. Publ: Economics, Holt, 49 & 54; Antitrust and the classic model, Readings Indust. Orgn. & Publ. Policy; Corporate control and capitalism, Quart. J. Econ, 2/65. Address: 1925 Norway Rd, Ann Arbor, Mich. 48104.

PETERSON, DR. GORDON ELMER, Elec. Eng. Phonetics, see 11th ed, Phys. & Biol. Vols.

PETERSON, PROF. G(USTOF) A(DOLPH), b. S.Dak, Sept. 24, 19; m. 46; c. 2. AGRICULTURAL ECONOMICS. B.S. S.Dak. State Col, 42; M.S. Iowa State Col, 51, Ph.D.(agr. econ), 53. Agr. economist, U.S. Dept. Agr, 53-54; asst. prof. agr. econ, Illinois, 54-55; agr. economist, Fed. Reserve Bank of Kansas City, 55-58; PROF. AGR. ECON. WISCONSIN, 58- Vis. prof, Nat. Inst. Res. Agr. Econ. & Rural Sociol, Paris, France, 64-66. U.S.A.A.F. 42-46, Capt. Agr. Econ. Asn; French Soc. Rural Econ. Production economics and farm management, methodology and statistics. Publ: Interdependence between the farm business and the farm household with implications on economic efficiency, co-auth, Economic evaluation of alternatives for developing large dairy farms in Wisconsin, 7/64 & Current changes in the livestock and grain economy of France and their effect upon foreign trade patterns, 66, Univ. Wisconsin. Address: Dept. of Agricultural Economics, University of Wisconsin, Madison, Wis. 53706.

PETERSON, PROF. JAMES A(LFRED), b. Glendive, Mont, May 11, 13; m. 36; c. 3. SOCIOLOGY. A.B. Ripon Col, 34; B.D. Chicago Theol. Sem, 38; Ph.D. (sociol), Southern California, 50. Res. assoc, Chicago Theol. Sem, 37-38; minister, Manhattan Beach Community Church, 39-50; PROF. SOCIOL. & MARRIAGE COUNSR, SOUTHERN CALIFORNIA, 50- Founding dir, Rossmoor Cortese Inst. Study Aging & Retirement, 64-66; consult, rehab. div, Metrop. State Hosp, 67- Sociol. Asn; fel. Asn. Marriage Counsr.(pres, 67-68); Nat. Coun. Family Rels. Emotional factors in infertility; romantic failure in divorce; large group psychotherapy values; religion. Publ: Education for marriage; toward a successful marriage; The trouble with women. Address: 2428 N. Highland, Altadena, Calif. 91001.

PETERSON, DR. JOHN ERIC, African Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

PETERSON, PROF. JOHN L, b. Waseca, Minn, Jan. 24, 29; m. 53; c. 2. AUDIOLOGY. B.A. Grinnell Col, 51; M.A. Western Reserve, 52; Ph.D. Northwestern, 59. Clin. audiologist, Vet. Admin, 54-57; asst. audiol, Northwestern, 57-58, asst. dir. hearing clin, 58-59; asst. prof. speech & supvr. clin. serv, speech & hearing rehab. center, Wisconsin, 59-62; asst. prof. otorhinolaryngol. & dir. audiol, SCH. MED, LA. STATE, 62-64, ASSOC. PROF. OTORHINOLARYNGOL. & DIR. GRAD. TRAINING PROG. IN SPEECH PATH.

& AUDIOL, 64- Nat. Insts. Health spec. res. fel, 68-69. Prog. consult, U.S. Pub. Health Serv, 67- U.S.A.F. 52-54. Speech & Hearing Asn; Acoustical Soc; Int. Soc. Audiol. Psychoacoustics, especially functioning of the normal and the impaired ear; diagnostic applications of middle ear muscle activity. Publ: Co-auth, Masking by octave bands of noise in normal and impaired ears, J. Acoustical Soc. Am, Comparison of bone conduction thresholds by the conventional and Rainville method, J. Speech & Hearing Res. & Application of stapedius muscle reflex measures to diagnosis of auditory problems, Int. Audiol, (in press). Address: Dept. of Otorhinolaryngology, Louisiana State University, 1542 Tulane Ave, New Orleans, La. 70112.

PETERSON, DR. JOHN M(ARSHALL), b. Ft. Worth, Tex, Jan. 6, 22; m. 43; c. 2; m. 60. ECONOMICS. B.A. Washington (Seattle), 42; M.B.A. Harvard, 47; M.A. Chicago, 50, Ph.D. 56. Asst. indust. rels. center, Chicago, 48-49, res. assoc, 49-51; bus. economist, U.S. Bur. Labor Statist, 51-53; economist, govt. rels. & econ. staff, Tenn. Valley Authority, 53-55; labor economist, Indust. res. & exten. center, Arkansas, 55-58, assoc. dir, 58-62; PROF. ECON, ARKANSAS, 62-; DIR. ECON. DEVELOP. OFF. GOV, STATE ARK, 67- Ed, Ark. Economist, 58-61. Mem. area develop. adv. bd, Cmt. Econ. Develop, 59-63. U.S.A. 43-46, Lt. Econ. Asn; Indust. Rels. Res. Asn. Labor markets; regional economics; management education. Publ: Vocational education and distressed areas, Cmt. Econ. Develop, 60; co-auth, Dynamics of small area labor supply, Indust. Res. Center, Univ. Arkansas, 65; Research needs in minimum wage theory, South. Econ. J, 7/63. Address: College of Business Administration, University of Arkansas, Fayetteville, Ark. 72701.

PETERSON, DR. JON ALVAH, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

PETERSON, PROF. LLOYD R(ICHARD), b. Minneapolis, Minn, Oct. 1, 22; m. 53; c. 3. PSYCHOLOGY. B.A. Gustavus Adolphus Col, 44; M.A. Minnesota, 51, Ph.D.(psychol), 54. Instr. PSYCHOL, INDIANA, 54-57, asst. prof, 57-61, assoc. prof, 61-64, PROF, 64- AAAS; Psychol. Asn. Human learning and retention. Publ: Co-auth, Short-term retention of individual verbal items, J. Exp. Psychol; auth, Short-term verbal memory and learning, Psychol. Rev; Search and judgment in memory, In: Concepts and the structure of memory. Address: Dept. of Psychology, Indiana University, Bloomington, Ind. 47401.

PETERSON, DR. MARGARET JEAN, b. Minneapolis, Minn, Oct. 3, 30; m. 53; c. 4. PSYCHOLOGY. B.A. Minnesota, 51, Ph.D. 55; M.A. Denver, 53. RES. ASSOC. & INSTR. PSYCHOL, INDIANA, 56-, VIS. ASSOC. PROF. 67- Psychol. Asn. Experimental psychology, especially problems involving concept formation and language behavior. Publ: Verbal response strength as a function of cultural frequency, schedule of reinforcement and number of trials; co-auth, Short-term retention of individual verbal items & Minimal paired-associate learning, J. Exp. Psychol. Address: 2200 E. Maxwell Lane, Bloomington, Ind. 47401.

PETERSON, PROF. MERRILL D(ANIEL), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

PETERSON, NORMAN D(ALE), Psychol, Math, see 10th ed, Soc. & Behav. Vols.

PETERSON, PROF. ORVILLE C, b. St. Paul, Minn, Aug. 21, 07; m. 36; c. 3. PUBLIC ADMINISTRATION. B.A. Macalester Col, 26; LL.B. Minnesota, 30, B.S. 33, M.A. 34. Lawyer, 31-33; staff asst. munic. govt, League of Minn. Municipalities, 34-36; dir. police training study, Univ. Minnesota, 36; asst. agr. economist, land use planning sect, Resettlement Admin, 36-37; staff attorney & counsel, LEAGUE OF MINN. MUNICIPALITIES, 37-59; EXEC. SECY, 59-; PROF. PUB. ADMIN, MINNESOTA, MINNEAPOLIS, 63-, assoc. prof. polit. sci, 59-63. Publ: Governmental responsibility for torts in Minnesota, League of Minn. Municipalities, 35. Address: 314 Social Sciences Bldg, University of Minnesota, Minneapolis, Minn. 55455.

PETERSON, DR. PAUL ELLIOTT, b. Montevideo, Minn, Sept. 16, 40; m. 63. POLITICAL SCIENCE. B.A. Concordia Col. (Moorhead, Minn), 62; M.A. Chicago, 64, Ph.D.(polit. sci), 67. ASST. PROF. POLIT. SCI, CHICAGO, 67- Dir. Chicago study, Danforth Found. Study Sch. Bd. Decision-making in Four U.S. Cities, 67-70; NATO fel, 68-69. Consult, U.S. Off. Ed. proj, 67-68. Polit. Sci. Asn. American urban politics; educational politics; urban educational politics in Great Britain. Publ: Co-auth, Machines, reformers and the war on poverty, Wiley, 68; auth, Presidential assassination: a case study in the dynamics of political socialization, J. Polit, 5/67; Historical particularities and concept formation, Studies Philos. & Ed, 12/67. Address: Dept. of Political Science, University of Chicago, 1126 E. 59th St, Chicago, Ill. 60637.

PETERSON, DR. RICHARD AUSTIN, b. Mussoorie, India, Sept. 28, 32; U.S. citizen. SOCIOLOGY. A.B. Oberlin Col, 55; fel, Illinois, 57-58, M.A. 58, Ph.D. 61. Res. assoc, soc. sci. inst, Washington (St. Louis), 59-60; from instr. to asst. prof. SOCIOL, Wisconsin, 60-64; from asst. prof. to ASSOC. PROF. VANDERBILT, 65- Consult, Inst. ment. retardation & human develop, George Peabody Col, 65-66; mem, adv. panel, Nat. Sci. Found. & consult, President's Cmn. Civil Disorders, 67- Sociol. Asn. Sociology of complex organization; experimental and applied social science; industrial organization; occupations and professions; sociological theory; sociology of law; sociology of popular culture. Publ: Co-auth, Technology and the moral order; co-auth, System, change and conflict: reader on contemporary sociological theory, Macmillan, 67; auth, Structural determinants of piecework rates, Indust. Rels, 64. Address: Dept. of Sociology, Vanderbilt University, Nashville, Tenn. 37203.

PETERSON, DR. RICHARD O(SCAR), b. Youngstown, Ohio, May 29, 28; m. 50; c. 2. INDUSTRIAL PSYCHOLOGY. B.S. Carnegie Inst. Tech, 50, M.S. 53, Ph.D.(psychol), 54. Res. assoc, Am. Inst. Res, 52-54; res. psychologist, Psychol. Serv. Pittsburgh, 54-56; exec. scientist & dir, tech. training prog, Am. Inst. Res, 56-64; training res. supvr, AM. TEL. & TEL. CO. 64-66.

- TRAFFIC TRAINING SUPVR, 66- Asst, Koppers Co, 51; instr, eve. sch. & lectr, Carnegie Inst. Tech, 54-55; instr, Pittsburgh, 56-57, lectr, 57-60. Training consult, Am. Tel. & Tel. Co, N.Y. 62-64. AAAS; Psychol. Asn; Asn. Ment. Deficiency; Soc. Training & Develop. Technical training; learning theory applications; mental retardation; psychological research methodology; human factors research; management development and systems; programmed instruction; work motivation. Publ: Co-auth, Job attitudes: review of research and opinion, Psychol. Serv. Pittsburgh, 57. Address: American Telephone & Telegraph Co, 195 Broadway, Room 1910 A, New York, N.Y. 10007.
- PETERSON, DR. ROBERT FRANKLIN, b. Fargo, N.Dak, Aug. 12, 37; m. 66; c. 1. PSYCHOLOGY. B.S. Washington (Seattle), 61, U.S. Pub. Health Serv. fel, 62-63, M.S. 64, Ph.D.(psychol), 65. Asst. prof. ment. retardation training prof, Washington (Seattle), 65-66; res. asst. prof. PSYCHOL, ILLINOIS, URBANA, 66-68, ASST. PROF, 68- Sig.C, U.S.A. Psychol. Asn; Soc. Res. Child Develop. Experimental analysis of behavior and application of behavioral techniques in clinical treatment and the teaching of children. Publ: Co-auth, Mothers as behavior therapists for their own children, Behav. Res. & Ther, 3: 113-124, Behavior therapy in the home: amelioration of problem parent-child relations with the parent in a therapeutic role, J. Exp. Child Psychol, 4: 99-107 & The development of imitation by reinforcing similarity to a model, J. Exp. Anal. Behav, 10: 405-416. Address: Dept. of Psychology, University of Illinois, Urbana, Ill. 61801.
- PETERSON, DR. ROBERT M(AURICE), b. Ogden, Utah, Nov. 28, 24; m. 44; c. 5. PSYCHOLOGY. A.B. Brigham Young, 47, M.A. 50; Ph.D.(psychol), Wisconsin, 54. Asst. prof. psychol, Brigham Young, 54-56; asst. soc. scientist, Rand Corp, 56-57; HUMAN FACTORS SCIENTIST, SYST. DEVELOP. CORP, 57- U.S.N.R, 43-46. Psychol. Asn; Psychomet. Soc. Decision making; human learning. Publ: Co-auth, Multiple response transfer as a function of supplementary training with verbal schematic aids. Address: System Development Corp, 2500 Colorado Ave, Santa Monica, Calif. 90406.
- PETERSON, DR. RODNEY D, b. Sioux Falls, S.Dak, Nov. 10, 32; m. 65; c. 2. ECONOMICS. B.A. Huron Col.(S.Dak), 58; M.S. S.Dak. State, 59; Ph.D.(bus. orgn. & econ), Nebraska, Lincoln, 64. Instr. bus. orgn, Nebraska, Lincoln, 59-64; asst. prof. ECON, Cent. Wash. State Col, 64-65; Idaho, 65-67, ASSOC. PROF, 67-68; COLORADO STATE, 68- Res. grants, U.S. Pub. Health Serv. & Univ. Idaho Res. Coun, 67-68. Summer asst. prof, Nebraska, Lincoln, 64-66. Consult, U.S. Dept. Labor, 67- U.S.A.F, 52-56; Air Nat. Guard, 61-64, Capt. Econ. Asn; Agr. Econ. Asn. Industrial organization, nature of competition among firms in similar lines of business by determining market structure, conduct and performances and positing guidelines for antitrust policy. Publ: Contributions of rural sociology to marketing, Southwest. Soc. Sci. Quart, 3/67; Service diversification and market conduct among small advertising agencies, Miss. Valley J. Bus. & Econ, spring 68; co-auth, A provisional input-output study of Idaho's economy, Wash. Bus. Rev, winter 68. Address: Dept. of Economics, Colorado State University, Ft. Collins, Colo. 80521.
- PETERSON, DR. RONALD AL, b. Duluth, Minn, Jan. 11, 31; m. 58; c. 3. REHABILITATION PSYCHOLOGY. B.A. Minnesota, Duluth, 57; M.S. Southern Illinois, 60; Ph.D.(counseling psychol), Missouri, 63. Counsr, Minn. Div. Voc. Rehab, 57-58; asst. prof. psychol, NORTHERN ARIZONA, 62-63, dir. Navajo rehab. proj, 63-65, coordinator sponsored res. & teaching, 65-66, DIR. INST. HUMAN DEVELOP, 66- Consult, County Coun, Coconino County & Winslow Guid. & Counseling Clin, 64- U.S.A.F, 51-55, Res, 55-67, Capt. Psychol. Asn; Personnel & Guid. Asn; Nat. Rehab. Asn. Behavioral rehabilitation. Publ: Co-auth, Occupations of counseling psychologists, J. Counseling Psychol, 62; auth, Rehabilitation of the culturally different: a model of the individual in cultural change, Am. Personnel & Guid. J, 67. Address: Institute for Human Development, Northern Arizona University, Flagstaff, Ariz. 86001.
- PETERSON, DEAN THEODORE BERNARD, b. Albert Lea, Minn, June 8, 18; m. 46; c. 4. MASS COMMUNICATION. B.A. Minnesota, 41; M.S. Kansas State, 48; Ph.D.(commun), Illinois, 55. Instr. journalism, Kansas State, 45-47, asst. prof, 47-48; instr, ILLINOIS, URBANA, 48-55, assoc. prof, 55-57, PROF. JOURNALISM & DEAN COL. JOURNALISM & COMMUN, 57- Mem. adv. coun, Benjamin Franklin Mag. Awards, 52-58; accrediting cmt, Am. Coun. Ed. Journalism, 61-, v.chmn, 67-; mem. steering cmt, Nat. Library Prog. 68. Award, Sigma Delta Chi & distinguished res. award, Kappa Tau Alpha, 56. U.S.A.F, 41-45, S/Sgt. Am. Med. Writers' Asn; Asn. Ed. Journalism (v.pres, 62, pres, 63); Asn. Schs. & Depts. Journalism (pres, 64-65). Historical, social and economic aspects of magazine publishing; history and philosophy of press systems. Publ: Co-auth, Four theories of the press, 56 & auth, Magazines in the twentieth century, 56 & 2nd ed, 64, Univ. Illinois; co-auth, The mass media and modern society, Holt, 65. Address: 119 Gregory Hall, University of Illinois, Urbana, Ill. 61801.
- PETERSON, DR. WALTER H(UDSON), b. San Antonio, Tex, Aug. 1, 18; m. 38; c. 4. PSYCHOLOGY. Ph.D.(psychol), Chicago, 51. Personnel technician, Chicago Park Dist, 42-46; personnel mgr, Sterling Ins. Co, 46-47; clin. psychologist, ment. hyg. clin, Vet. Admin, 47-53; asst. prof. mgt, Loyola (Ill), 53-61; asst. prof. psychol, Lake Forest Col, 61-65; REGIONAL MGR, NORDLI, WILSON ASSOCS, CHICAGO, 66- Clin. psychologist, 51-; dir, Chicago Psychol. Inst, 56-66. U.S.N.R, 43-46, Lt.(jg). Psychol. Asn; Acad. Psychother. Psychotherapy; personality evaluation and research; communications. Address: 6618 W. Hillside Rd, Crystal Lake, Ill. 60014.
- PETERSON, PROF. WILLIAM H, Econ, see 10th ed, Soc. & Behav. Vols.
- PETERSON, DR. WILLIS L, b. Minneapolis, Minn, Mar. 3, 32. ECONOMICS. B.S. Minnesota, 60, M.S. 62; Ph.D.(econ), Chicago, 66. ASST. PROF. AGR. ECON, MINNESOTA, ST. PAUL, 65- U.S.A, 52-54, Sgt. Econ. Asn; Agr. Econ. Asn. Economics of research; technological change; economic development. Publ: Return to poultry research in the U.S, J. Farm Econ, 8/67. Address: Dept. of Agricultural Economics, University of Minnesota, St. Paul, Minn. 55101.
- PETIT, PROF. THOMAS A(RTHUR), b. Ilwaco, Wash, 25. BUSINESS ADMINISTRATION, ECONOMICS. B.A. California, 49, Ph.D.(econ), 56; M.B.A. Stanford, 51. Asst. prof. mkt, California, Los Angeles, 55-61, asst. dean sch. bus. admin, 58-61; prof. bus. admin. & econ. & dir. Breech Sch. Bus. Admin, Drury Col, 61-65; PROF. MGT, ARIZONA, 65- Ford Found. fel, Harvard, 59-60. U.S.A, 43-46. Econ. Asn. Industrial economic organization; application of behavioral science theory to business and economic organization; social role of management; evolution of American capitalism. Publ: Value of competition: study of the American softwood plywood industry, J. Indust. Econ; Management ideology: myth and reality, Calif. Mgt. Rev; Legitimacy of management power, Bus. Horizons. Address: School of Management, University of Arizona, Tucson, Ariz. 85721.
- PETTRAN, PROF. LAURENCE A(RMSTRONG), Musicol, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- PETRELLA, DR. FRANK, b. Detroit, Mich, Aug. 29, 30; m. 54; c. 6. ECONOMICS. A.B. Notre Dame, 56, M.A. 57, fel, 57-60, Ph.D. 61. Asst. prof. ECON, COL. HOLY CROSS, 61-65, ASSOC. PROF, 65-, CHMN. DEPT, 64-, asst. dir. spec. studies prog, 62- U.S.A, 48-52, Sgt. Econ. Asn. Influence of philosophical position, particularly epistemology upon the form and content of economic theory and policy and the relation between the two; classical and scholastic theories of economic policy, the analogous development of socio-economic control mechanisms. Publ: Edmund Burke: a liberal practitioner of political economy, Mod. Age, winter 63-64; George Berkeley's theory of economic policy and classical economic liberalism, 1/66 & Adam Smith's rejection of Hume's price-specie-flow mechanism, 1/68, South. Econ. J. Address: 245 Greenwood St, Worcester, Mass. 01607.
- PETRIE, DR. ASENATH, b. London, Eng, Nov. 29, 14; m. 38; c. 1. MEDICAL PSYCHOLOGY. B.Sc. London, 36. Fulbright traveling fel, 51-52, Ph.D.(psychol), 53. Rockefeller fel, Mill Hill Emergency & Maudsley Hosps, London, 43-47; res. & clin. psychologist, St. George's & Atkinson Morley Hosps, 47-51; Fulbright res. grant, Univ. Pennsylvania, 51-52; sr. res. assoc. inst. psychiat, Maudsley Hosp, London, 53-57; RES. ASSOC. PSYCHOL. HARVARD MED. SCH, 57- Lectr, King's Col, London, 46-47, hon. lectr, inst. psychiat, 54-56; Lasker Found. res. grant, 57; Found. Fund. res. fel. psychiat, 57-58. Consult, Hosp. Lariboisiere, Paris, France, 50-56; vis. res. psychologist, Boston Sanatorium, 57-; assoc. res. dept. surg, Beth Israel Hosp, 57- Vis. consult, Nat. Inst. Ment. Health Prof, Temple, 55-56; sch. pub. health, Pittsburgh, 65-; div. adult psychiat, Nat. Inst. Ment. Health, 66- Am. Psychol. Asn; Brit. Psychol. Soc; Pan. Am. Psychol. Asn; World Fedn. Ment. Health. Personality and perception in relation to brain function; tolerance of pain, isolation and suffering. Publ: Personality and the frontal lobes, Routledge & Kegan Paul, England, Blackiston, U.S. & La. Penssa Medica, Mex, 52; Individuality in pain and suffering, Univ. Chicago & Univ. Toronto, 67. Address: 3 Langdon Square, Cambridge, Mass. 02138.
- PETRIE, DR. CHARLES ROBERT, JR, b. Allentown, Pa, Jan. 23, 28; m. 52; c. 1. SPEECH, SOCIAL PSYCHOLOGY. B.A. Pa. State, 50, M.A. 55; Purdue Res. Found. fel, Purdue, 59, Ph.D.(speech), 61. Mil. ed, Mil. Hist. U.S. Army Europe, 51-52, historian, 52-53; ops. mgr, radio sta. WHWL, Natick, Pa, 55-56; instr. speech, Purdue, 56-58; SPEECH COMMUN, Bowdoin Col, 60-61, asst. prof, 61-63; Kent State, 63-66; ASSOC. PROF, STATE UNIV. N.Y. BUFFALO, 66- Summers, faculty res. grant, Kent State, 64; faculty res. fel, State Univ. N.Y. Buffalo, 66. U.S.A, 45-47, Res, 47-51, Sgt. Nat. Soc. Study Commun; Speech Asn. Am. Speech communication; listening comprehension; attitude change through persuasion; the relationship of open and closed cognitive structures to attitude change and critical appraisal. Publ: Co-auth, In defense of speech, Today's speech, 61; auth, Informative speaking: a summary and bibliography of related research, Speech Monogr, 63; Listening and organization, Cent. States Speech J, 64. Address: Dept. of Speech Communication, State University of New York, Buffalo, N.Y. 14214.
- PETRIE, DR. J. R, b. Fredericton, N.B, Apr. 12, 08. ECONOMICS. B.A. & M.A. New Brunswick, 30; Chicago, 30-32; Ph.D. McGill, 41. Prof. econ. & polit. sci. & head dept, New Brunswick, 40-50; dir. res. Can. Tax Found. 50-52; econ. res. Jones Heward & Co, 52-56; CONSULT. ECONOMIST, 56- Asst. dir, Can. Mutual Aid Bd, 43; v.pres, Khaki Univ. Can, U.K. 45-46; gov. Sir George Williams, 56- Mem. Cmt. Inquiry into Unemployment Ins. Act, Can, 61-62. Fel. Royal Econ. Soc. Regional economy of New Brunswick; taxation of corporate income in Canada. Publ: Economics of the Canadian distilling industry; Fiscal policy and the development of the Canadian tax system, 64 & A review of some critical issues in report of Royal Commission on Taxation, 67, Can. Chamber Commerce. Address: 1408 Laird Blvd, Montreal 16, Que. Can.
- PETRIE, PROF. RICHARD, b. New Windsor, Ill, Dec. 30, 04; m. 29; c. 2. ECONOMICS. B.S. Monmouth Col, 29, LL.D, 57; A.M. Chicago, 32. From instr. to prof. econ, Monmouth Col, 30-54, dir. admissions, 37-45, pub. rels, 45-51, bus. mgr, 52-54; PROF. ECON, WILLAMETTE, 54-, FINAN-

CIAL V. PRES, 55-, bus. mgr, 54-55. U.S.N.R. 42-45, Lt. Cost accounting methods; commercial banking; development of cost-finding methods for a national bank with large resources. Address: Dept. of Economics, Willamette University, Salem, Ore. 97301.

PETRINOVICH, PROF. LEWIS, b. Wallace, Idaho, June 12, 30; m. 48; c. 5. PSYCHOLOGY. B.S. Idaho, 52; Ph.D.(psychol), California, Berkeley, 62. Instr. PSYCHOL, San Francisco State Col, 57-60, asst. prof, 60-63; assoc. prof, State Univ. N.Y. Stony Brook, 63-66, prof, 66-68; PROF. & CHMN. DEPT., CALIFORNIA, RIVERSIDE, 68- Res. psychologist, inst. study human neurophysiol, Mt. Zion Hosp. & med. center, San Francisco, 61-62, lectr, med. center, San Francisco, 62-63; vis. res. psychologist, inst. human learning, California, Berkeley, 66-67. AAAS; Psychol. Asn; Psychonomic Soc. Neurophysiology and behavior; learning theory; comparative psychology; language development. Publ: Co-auth, Effect of drugs on learning and memory, *Int. Rev. Neurobiol.*, 65; auth, Drug facilitation of learning: strain differences, *Psychopharmacologia*, 67; co-auth, Feedback of speech muscle activity during silent reading: rapid extinction, *Science*, 67. Address: Dept. of Psychology, University of California, Riverside, Calif. 92502.

PETROV, DR. VICTOR P, b. Harbin, China, Mar. 22, 07; nat; m. 42; c. 1. INTERNATIONAL RELATIONS. REGIONAL GEOGRAPHY. B.S. American Univ, 51, M.A. 52, Ph.D. 54. Instr. langs, U.S. Naval Intel. Sch, 45-46, asst. prof, 46-50, assoc. prof, 50-57, prof, 57-63; Defense Lang. Inst, Wash, D.C., 63-65; geog, Shippensburg State Col, 65-67; ASST. PROG. DIR, NAT. SCI. FOUND. D.C. 67- Prof. lectr, Inst. Sino-Soviet Studies: George Washington, 62-65. Asn. Am. Geog. Soc. Asn. Asian Studies; Royal Can. Geog. Soc. Regional geography; Soviet Union, China, Mongolia and the countries of East Asia. Publ: Geography of the Soviet Union, 59-64 & Transportation, 67, Kamkin; China: emerging world power, Nostrand, 67. Address: National Science Foundation, 1800 G St. N.W., Washington, D.C. 20550.

PETROV, DR. VLADIMIR, b. Odessa, Russia, Nov. 15, 15; U.S. citizen; m. 55; c. 7. INTERNATIONAL RELATIONS. HISTORY. M.A. Yale, 61, Ph.D.(int. rels), 65. Instr. Russian, Yale, 47-48, lectr, 48-55; ed, Voice of Am. in Europe, 55-57; lectr. Russian, Yale, 57-65; ASSOC. PROF, INT. AFFAIRS, GEORGE WASHINGTON, 65- Relm grant, summer, 67. Ed. consult. U.S. Info. Agency, 64-65. AAAS; Hist. Asn. Politics and economics of military occupation in World War II; domestic politics and foreign policy in the United States; history of American diplomacy; Soviet foreign policy; history of Eastern Europe. Publ: Soviet gold, Farrar, Straus, 49; My retreat from Russia, Yale, 50; What China policy?, Shoe-String, 61. Address: Dept. of International Affairs, George Washington University, Washington, D.C. 20006.

PETROVICH, DR. DONALD V(ICTOR), b. St. Louis, Mo, Apr. 25, 22; m. 61. CLINICAL PSYCHOLOGY. B.S. Washington (St. Louis), 47, A.B. 50, Ph.D. (psychol), 57; M.A. St. Louis, 52. Private consult, 50-53; STAFF CLIN. PSYCHOLOGIST, VET. ADMIN. HOSP, JEFFERSON BARRACKS, 57- U.S.A., 42-45, Sgt. Psychol. Asn. Pain; psychotherapy. Publ: Pain perception test: psychological correlates of pain perception & Survey of painfulness concepts, *J. Clin. Psychol.*; Pain perception in chronic schizophrenics, *J. Proj. Tech.* Address: 8671 Otto Westway, St. Louis, Mo. 63127.

PETRULLO, LUIGI, b. Italy, Sept. 3, 09; nat; m. 39. PSYCHOLOGY. M.A. Pennsylvania, 35. Chief worker eval, U.S. Employ. Serv, 37-49; personnel res. dir, U.S. Dept. Air Force, 49-54; head group psychol br, U.S. OFF. NAVAL RES, 54-67, DIR. PSYCHOL. SCI. DIV. 67- U.S. Merchant Marine, 43-46. AAAS; Psychol. Asn. Social sciences. Publ: Leadership and interpersonal behavior; co-ed, Person perception and interpersonal behavior. Address: 2431 N. Edgewood St, Arlington, Va. 22207.

PETRULLO, DR. VINCENZO, b. Randazzo, Italy, Jan. 1, 06; nat; m. 47; c. 1. ANTHROPOLOGY. A.B. Pennsylvania, 27, Ph.D. 34. Instr. anthropol, Pennsylvania, 27-30, 32-33, field dir. S.A.m. res. univ. mus, 29-36, leader, Xingu-Matto Grosso exped, 29-30, dir, Venezuelan exped, 32-34; Goajira exped, 35, co-dir, Latin Am. Inst. Race & Culture Studies, 34-36; nat. consult. archaeol. res. projos, Works Progress Admin, 37-39; asst. chief Latin Am. Sect, res. & anal. div, Library Cong. & Off. Strategic Serv, 41-42; spec. asst. to dir, for. nationalities br, Off. Strategic Serv, 42; prin. field rep. to Brazil & consult. blockade div, Bd. Econ. Warfare, 42-43; spec. asst. to dep. dir. overseas br. & chief book div, U.S. Off. War Info, 43-44; spec. asst. soc. sci. res. Off. Gov. P.R. 45; fel. anthrop, Werner-Gren Found, 47-49; assoc. prof. int. affairs & dir. area studies, Colgate, 50-51, prof. & dir, 51-53; vis. prof. anthropol, Alabama, 53-54; dir. Eagle Mound Proj, Georgia, 54; CONSULT. ANTHROPOLOGIST, 54- Res. assoc. Nat. Resources Bd. & coord. cmt. of Cent. Statist. Bd. & Works Progress Admin, 37; lectr, Pennsylvania, 48-49; vis. lectr, Syracuse, 68- Consult, Nat. Youth Admin, 37-39; Sci. Serv, 39-44; Fair Employ. Practices Cmt, 42; Contemporary Cultures Proj, 48-49. Mem, cmt. handbook S.A.m. Indians, Nat. Res. Coun, 33-34; organizing cmt, Indian Insts, 41. Fel. AAAS; fel. Anthropol. Asn; Soc. Appl. Anthropol. South American ethnology and archaeology; primitive law, ethics and religion; contemporary cultures and culture dynamics; interdisciplinary area studies; application of anthropology to international affairs and industry; cultural anthropology. Publ: Diabolic root; Yarueros of the Capanaparo; Puerto Rican paradox. Address: 729 Sumner Ave, Syracuse, N.Y. 13210.

PETRUS, DR. JOSEPH A, b. Alexandria, La, July 28, 35. POLITICAL SCIENCE. B.A. Texas, 57, M.A. 61, Ph.D.(govt), 65. ASST. PROF. POLIT. SCI, SOUTH CAROLINA, 65- Polit. Sci. Asn; Asn. Adv. Slavic Studies. Political theory; Marxist theory. Publ: Rosa Luxemburg and the national question, *E. European Quart.* (in press). Address: Dept. of Political Science, University of South Carolina, Columbia, S.C. 29208.

PETSEK, DR. KIRK R(USSELL), b. Austria, Nov. 23, 13; U.S. citizen; m. 45. ECONOMICS. URBAN DEVELOPMENT. J.D. Vienna, Prague & Heidelberg, 36; dipl, Geneva Sch. Int. Studies, 37; A.M. Harvard, 40, Ph.D. 47; fel, Northwestern, 40-41. Instr. Middlebury Col, 41-43; economist, U.S. State-

gic Bombing Surv, 44-45; planning div, U.S. For. Liquidation Cmn, 45; mem. faculty, U.S. Army Univ.(France), 45-46; asst. prof. econ, Colgate, 47-51; br. chief, div. indust. rels, bur. labor statist, U.S. Dept. Labor, 51-53; chief country div, For. Opers. Admin, 53; asst. dir. commerce & city economist, City of Phila, 54-56, urban develop. & econ. coordinator, 56-62; PROF. URBAN AFFAIRS & BUS. ADMIN, WISCONSIN, MILWAUKEE, 62-, coordinator, Wis. Urban Exten. Prog, 62-64. Vis. assoc. prof, Minnesota, 49; Mich. State 50; lectr, George Washington, 54-55. U.S.A.A.F, 43-46, Lt. Econ Asn; Soc. Pub. Admin; Polit. Sci. Asn; Regional Sci. Asn; Indust. Rel. Res. Asn. Comparative urban development; employment of disadvantaged; regional economic development. Publ: A role for city universities: urban extension programs, *J. Am. Inst. Planners*, 11/64; Barriers to employability of nonwhites, *Center Voc. & Tech. Ed.*, Madison; Can industrial development be systematically approached, *Land Econ*, 5/68. Address: 2508 E. Bellevue Place, Milwaukee, Wis. 53211.

PETTEE, DR. GEORGE S, b. Hartford, Conn, Oct. 29, 04; m. 33; c. 2. POLITICAL SCIENCE. S.B. Harvard, 26, M.A. 31, Ph.D. 37. Instr. govt, Harvard, 33-41; exec. asst, stockpile & import shipping br, War Prod. Bd, 41-42; chief off. sources div, Off. War Info, 42-43; European Enemy Div, For. Econ. Admin, 43-45; assoc. prof. polit. sci, Amherst Col, 45-47; mem. staff, cmt. for. affairs, U.S. House Rep, 47-49; opers. res. off, Hopkins, 49-54, asst. dir, 54-61, lectr, univ, 50-51; mem. staff, RES. ANAL. CORP, 61-62, CHMN. RES. COUN, 62- Walgreen lectr, Chicago, 54. Polit. Sci. Asn; Opers. Res. Soc. Political sociology; theory of social revolution; operations research. Publ: Process of revolution; Future of American secret intelligence; Failure of Marxism, *J. Soc. Philos.* Address: 4506 Traymore St, Bethesda, Md. 20014.

PETTEE, DR. JAMES C(HARLES), Econ, see 10th ed, Soc. & Behav. Vols.

PETTENGILL, PROF. DWYNAL BICKFORD, b. Chapman, Maine, Jan. 13, 24; m. 45; c. 2. POLITICAL SCIENCE. A.B. Florida, 51, M.A. 52; Ph.D.(polit. sci), Hopkins, 59. Jr. instr. POLIT. SCI, Hopkins, 52-55; instr, Goucher Col, 55-59; asst. prof, Morgan State Col, 59-62; Col. William & Mary, 62-65; PROF. & CHMN. DEPT, EASTERN KENTUCKY, 65- U.S.N. 41-46. Polit. Sci. Asn; Soc. Pub. Admin. State and local government, politics and administration. Publ: Politics of reapportionment; Regulation of campaign finance: Maryland experience, *Md. Law Rev.* Address: Dept. of Political Science, Eastern Kentucky University, Richmond, Ky. 40475.

PETTENGILL, FREDERICK B(ATCHELDER), b. Pembroke, N.H., Aug. 29, 09; m. 52. PSYCHOLOGY. B.A. Bates Col, 31; M.A. Pennsylvania, 40. Instr, Bordentown Mil. Inst, N.J., 32-39; dir. training, Valley Forge Coun, Boy Scouts Am, Pa, 40-42; lectr. psychol. & asst. to treas. housing div, Syracuse, 46-56, lectr. indust. psychol, 56-66, resident adminstr, Endicott-Owego Grad. Center, 58-66, PSYCHOL. RES. ADMINSTR, CHAUTAUQUA CORNING ENDICOTT OWEGO CENTERS, UNIV. COL, 66- U.S.A. 42-46, Res, 46-, Lt. Col. Psychol. Asn; Mgt. Asn. Personnel administration; education and training in industry. Address: 308 Hurlburt Rd, Syracuse, N.Y. 13224.

PETTENGILL, PROF. ROBERT B(UNNELL), b. New York, N.Y., Mar. 6, 04. ECONOMICS. A.B. Arizona, 26, A.M. 28; Ph.D. Stanford, 34. Instr. econ, Arizona, 28-32; acting instr, Stanford, 32-35; asst. prof, Southern California, 35-37, assoc. prof, 37-46, dir. teaching inst. econ, 46-51, dir. res. Ford Found. Fund Adult Ed, 51-53; vis. prof. ECON, Oberlin Col, 55-56; prof, Puerto Rico, 56-57; Rollins Col, 57-59; American Univ, Beirut, 59-61; Delta Col, 61-64; vis. prof, Oakland, 64-66; PROF, STATE UNIV. N.Y. ALBANY, 66- Asst. dist. price exec, Off. Price Admin, Calif, 43-44; Danforth Found. res. fel, 65-66. AAAS; Finance Asn; Econ. Asn. Economic theory; international trade; problems of national economic policy; population control. Publ: Price economics; Your money and your life. Address: 1 McCombe Dr, Delmar, N.Y. 12054.

PETTERSCH, PROF. CARL A(LFRED), b. Grand Rapids, Mich, Mar. 21, 06; m. 33. GOVERNMENT. A.B. Notre Dame, 28; Detroit, 37-38; M.A. Wayne, 42; Ph.D.(Am. hist. & govt), Columbia, 53. Instr. & prin, high sch, Mich, 41-44; supt. pub. schs, 44-45; instr, high sch, N.Y. 45-46; res. asst, inst. adult ed, teachers col, Columbia, 46-47; asst. prof. GOVT. & AM. HIST, WEST. CONN. STATE COL, 47-49, assoc. prof, 53-55, PROF, 55-, CHMN. DEPT. SOC. SCI, 49-, DEAN GRAD. STUDIES, 66-, dir, 55-66. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. American constitutional development. Publ: Teaching of government in the United States; Money, morale and college teachers, *Teachers Ed. Quart.* Address: 200 Southern Blvd, Danbury, Conn. 06810.

PETTERSON, PROF. DONALD R(AHL), Geog, see 10th ed, Soc. & Behav. Vols, deceased.

PETTIBONE, WINTON, Econ, see 10th ed, Soc. & Behav. Vols.

PETTIGREW, DR. L. EUDORA, b. Hopkinsville, Ky, Mar. 1, 28; div; c. 2. EDUCATION, PSYCHOLOGY. B.Mus, W.Va. State Col, 50; M.A. Southern Illinois, 64, Ph.D.(ed. psychol), 66. Instr. ed. psychol, Southern Illinois, 63-66; ASST. PROF. PSYCHOL, BRIDGEPORT, 66- Voc. Rehab. Act proj. grant, Bridgeport City Schs, 67- Consult, Hall Neighborhood House, Bridgeport, 66-; Ed. Develop. Center, Newton, 67- AAAS; Psychol. Asn. Learning; statistics. Publ: Co-auth, Cheating behavior of fifth grade youngsters, *IGPA Newsletter*, fall 66 & The effects of study questions on college students tests performances, *Psychol. Schs*, 1/67. Address: Dept. of Psychology, Room 21, Weston Hall, University of Bridgeport, Bridgeport, Conn. 06602.

PETTIGREW, DR. THOMAS F(RASER), b. Richmond, Va, Mar. 14, 31; m. 56. SOCIAL PSYCHOLOGY. A.B. Virginia, 52; M.A. Harvard, 55, Ph.D.(soc. psychol), 56. Asst. prof. psychol, North Carolina, 56-57; SOC. PSYCHOL, HARVARD, 57-62, lectr, 62-64, assoc. prof, 64-68, PROF, 68- Guggenheim fel, 67-68. Consult, U.S. Off. Ed, 66-68; U.S. Cmn. Civil Rights, 66- Soc. Psychol. Study Social Issues (pres, 67-68); fel. Psychol. Asn; fel. Sociol. Asn. Race relations in the United States and the republic of South Africa; social psychological theory; computer simulation of social processes; public opinion mea-

- surement; social perception. Publ: Co-auth, Christians in racial crisis; a study of the Little Rock ministry; auth, A profile of the Negro American, Van Nostrand, 64; Social evaluation theory: convergencies and applications, In: 1967 Nebraska motivation symposium, Univ. Nebraska, 67. Address: 5 Follen St, Cambridge, Mass. 02138.
- PETTJOHN, DR. WILLIAM C(LAUSEN), Philos. of Sci, see 11th ed, Phys. & Biol. Vols.
- PETTIT, DR. LAWRENCE K(AY), b. Lewistown, Mont, May 2, 37; m. 61; c. 4. POLITICAL SCIENCE. B.A. Montana, 59; A.M. Washington (St. Louis), 62; Vilas & Univ. fcls. & Ph.D.(polit. sci), Wisconsin, 65. Legis. asst. to U.S. Senator James E. Murray, 59-60; U.S. Senator Lee Metcalf, 62; asst. prof. polit. sci, Pa. State, 64-67, assoc. prof. 67-68; STAFF ASSOC. FED. RELS. & SECY. CMT. SPONSORED RES, AM. COUN. ED, 68- Mem, Nat. Coun. Univ. Res. Adminstr. U.S.A.R, 55-63. AAAS; Polit. Sci. Assn. Legislative behavior; federal aid to higher education; political opinion; comparative political processes; national politics and decision making in the field of university-government relations. Publ: Co-auth, European political processes, Allyn & Bacon, 68, The legislative process in the U.S. Senate, Rand McNally, 69 & Changing patterns in educational policy-making, Ed. Admin. Quart, 4/66. Address: American Council on Education, 1785 Massachusetts Ave. N.W., Washington, D.C. 20036.
- PETTITT, DR. GEORGE ALBERT, b. Oakland, Calif; m. 35; c. 2. ANTHROPOLOGY. A.B. California, 26, Ph.D.(anthrop), 40. Asst. to pres. & asst. to v-pres. govt. rels, California, Berkeley, 36-66, lectr. anthrop, 40-66; RETIRED. U.S.N, 43-46, Lt. Comdr. Fel. Anthropol. Asn; Ethnol. Soc. Culture; transmission; acculturation. Publ: Primitive education in North America; The Quileute of La Push, 1875-1945; Anthropology for modern times, Scribners, (in press). Address: 1429 Euclid Ave, Berkeley, Calif. 94708.
- PETTY, PROF. JULIAN J(AY), b. Ontario, N.Y., Nov. 3, 01; m. 26; c. 2. GEOGRAPHY, GEOLOGY. B.S. Denison, 24; Iowa, 24-25; Austin fel, Harvard, 26-29, A.M. 29; Ph.D.(geog), Ohio State, 43. Assoc. prof. GEOG, SOUTH CAROLINA, 29-44, prof. & head dept, 44-67, EMER. PROF, 67- Res. analyst, transport & commun. sect, Far East Div, Off. Strategic Serv, 45. Consult, State Planning Bd, 38-44. AAAS; Asn. Am. Geog. Am. Geog. Soc; Pop. Asn. Am; Nat. Coun. Geog. Ed. South Carolina demography and economic geography; pedestal rocks; fulgurites; population estimates for South Carolina. Publ: Origin and occurrence of fulgurites in the Atlantic Coastal Plain, Am. J. Sci; Growth and distribution of population in South Carolina; Bibliography of the geography of South Carolina. Address: 1711 Maplewood Dr, Columbia, S.C. 29205.
- PEW, DR. RICHARD W, b. New York, N.Y., Apr. 22, 33; m. 59; c. 2. PSYCHOLOGY. B.E.E. Cornell, 56; A.M. Harvard, 59; Ph.D.(psychol), Michigan, 63. Eng. psychologist, Bolt, Beranek & Newman, 59-60; asst. prof. PSYCHOL, MICHIGAN, 63-67, ASSOC. PROF, 67- Marquis award, Univ. Michigan, 64. U.S.A.F, 56-68, Capt. Inst. Elec. & Electronics Eng.(Franklin V. Taylor award, 65); Psychol. Asn; Human Factors Soc. Publ: Human information processing concepts for system engineers, System engineering handbook, 65; Acquisition of hierarchical control over the temporal organization of a skill, J. Exp. Psychol, 66; co-auth, Sine-wave tracking revisited, Inst. Elec. & Electronics Eng. Transactions on Human Factors in Electronics, 6/67. Address: Human Performance Center, 330 Packard Rd, Ann Arbor, Mich. 48104.
- PEYMAN, DR. DOUGLAS A. R, b. Vancouver, B.C. Oct. 11, 20; m. 46; c. 4. PSYCHOLOGY. B.A. British Columbia, 43, M.A. 46; Ph.D. Washington (Seattle), 51. Assoc. psychol, Washington (Seattle), 48-50; asst. prof. Alabama, 50-55, assoc. prof. 55-56; DIR. PSYCHOL, ALA. STATE HOSP, 56- Lectr, Alabama, 56-64, part-time prof, 64- Cert. in clin. psychol, Am. Bd. Exam. Prfnl. Psychol, 64. Can. Army Res, 40-43, 2nd Lt. Psychol. Asn; Group Psychother. Asn; Soc. Proj. Tech. & Personality Assessment; Soc. Group Psychother. & Psychodrama. Publ: Investigation of the effects of group psychotherapy on chronic schizophrenic patients, Group Psychother. Address: 70 Cherokee Hills, Tuscaloosa, Ala. 35401.
- PFAFF, PROF. E(UGENE) E(DWIN), Mod. European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- PFAFF, DR. RICHARD HENRY, b. San Francisco, Calif, Jan. 19, 25; m. 53; c. 1. POLITICAL SCIENCE & SOCIOLOGY. B.A. California, 53, M.A. 56, Ph.D. 60; Int. Rels. fel. from Univ. California to American Univ. Beirut, 54-55. Asst. POLIT. SCI, California, 57-59; from asst. prof. to ASSOC. PROF, COLORADO, 59- Instr, San Francisco Adult Ed. Div, 58-59; Fulbright res. fel, Iran, 62-63. Del. World Affairs Conf, Calif, 54; nat. conf, U.S. Nat. Cmn, UNESCO, 57. U.S.A. 50-53, 2nd Lt. Polit. Sci. Asn; Mid. East Inst. Political development in the underdeveloped countries of the world, especially the Middle East; political consequences of economic development; comparative government. Publ: Turkey and Iran: political development and the problem of disengagement from traditionalism, West. Polit. Quart. Address: Dept. of Political Science, University of Colorado, Boulder, Colo. 80304.
- PFAFFLIN, DR. SHEILA M, b. Pasadena, Calif, July 31, 34; m. 57. PSYCHOLOGY. B.A. Pomona Col, 56; M.A. Hopkins, 58, Ph.D.(psychol), 59. MEM. TECH. STAFF, BELL TEL. LABS, 59- Acoustical Soc. Am; Psychol. Asn. Psychoacoustics; perceptual learning; verbal learning. Publ: Stimulus meaning in stimulus pre-differentiation, J. Exp. Psychol, 60; co-auth, Energy-detection model for monaural auditory detection, J. Acoustical Soc. Am, 62; auth, Evaluation of machine translations by reading comprehension tests and subjective judgments, Mech. Transl, 65. Address: 2D507, Bell Telephone Labs, Murray Hill, N.J. 07974.
- PFAFFMANN, DR. CARL, b. Brooklyn, N.Y., May 27, 13; m. 39; c. 3. PHYSIOLOGICAL PSYCHOLOGY. Ph.B. Brown, 33, M.A. 35, hon. D.Sc. 65; Rhodes scholar, Oxford, 35-38, B.A. 37; Lewes studentship, Cambridge, 38-39, Ph.D.(physiol), 39; hon. D.Sc. Bucknell, 66. Res. assoc. neurophysiol, Pennsylvania, 39-40; instr. psychol, Brown, 40-42, asst. prof, 45-48, assoc. prof, 48-52, prof, 52-60, Florence Pirce Grant Univ. prof, 60-65; PROF. & V.PRES, ROCKEFELLER UNIV, 65- Vis. prof, Yale, 59. Mem. adv. panel psychobiol, Nat. Sci. Found; adv. cmt. naval med. res, Nat. Res. Coun, 53-60. U.S.N.R, 42-45. Nat. Acad. Sci; AAAS; Soc. Exp. Psychol.(Warren medal, 60); Physiol. Soc; Psychol. Asn;(distinguished sci. contrib. award, 63); Philos. Soc. Behavioral biology; sensory processes; motivated behavior. Publ: The pleasures of sensation, Psychol. Rev, 60; De Gustibus, Am. Psychologist, 65; Behavioral sciences, basic research & national goals, a report to the committee on science and astronautics, U.S. House of Representatives, Nat. Acad. Sci, 65. Address: Rockefeller University, York Ave. & 66th St, New York, N.Y. 10021.
- PFAHL, PROF. JOHN KERCH, b. Akron, Ohio, Jan. 17, 27; m. 48; c. 3. BUSINESS ADMINISTRATION, FINANCE. B.A. Pa. State, 47; M.B.A. Ohio State, 49, Ph.D.(mkt), 53. Asst. mkt, Mass. Inst. Tech, 48-49; instr. BUS. ORGN, OHIO STATE, 49-53, asst. prof, 53-57, assoc. prof, 57-62, PROF, 62- Mem. nat. finance cmt, United Cerebral Palsy, 64-; Gov. Cmt. Ment. Retardation, 65-66; exec. cmt, Coun. Prfnl. Ed. Bus, 66- Distinguished serv. award, Investor Ed. Inst, 65. U.S.N.R, 44-47, Ensign. Finance Asn; Financial Anal. Fedn. Security analysis; financial management, especially cost of capital, leverage, profit maximization, stockholder goals and relations, capital structure, and profitability analysis and measurement; savings and loan associations. Publ: Co-auth, Corporate finance, 2nd ed, 63, Financial handbook, 4th ed, 64 & Personal finance, 4th ed, 66, Ronald. Address: College of Commerce, Ohio State University, Columbus, Ohio 43210.
- PFALTZGRAFF, DR. ROBERT LOUIS, JR, b. Philadelphia, Pa, June 1, 34; m. 67. POLITICAL SCIENCE. B.A. Swarthmore Col, 56; M.B.A. Pennsylvania, 58, M.A. 59, fel, 60-64, Penfield fel, 62-63, Ph.D.(polit. sci), 64. Res. asst, FOR. POLICY RES. INST, PENNSYLVANIA, 59-64, RES. ASSOC. ASSOC. ED, ORBIS & ASST. PROF. POLIT. SCI, 64- Instr, Temple, fall 60. Guggenheim Fel, 68-69. Mem. adv. cmt. developed countries, policy planning coun, U.S. Dept. State, 66- Polit. Sci. Asn; Int. Polit. Sci. Asn; Acad. Polit. & Soc. Sci; Inst. Strategic Studies; Acad. Polit. Sci. West European regionalism; Britain and the European community; problems of European political and economic integration; United States-West European relations; international relations theory; the study of alliance systems. Publ: Politics and the international system, (in press) & co-auth, International relations theory: a survey and synthesis, (in press), Lippincott; auth, The Atlantic imbalance, Van Nostrand, (in press). Address: Dept. of Political Science, University of Pennsylvania, Philadelphia, Pa. 19104.
- PFANKUCHEN, PROF. LLEWELLYN (ERNEST), b. Oshkosh, Wis, May 7, 04; m. 32; c. 2. INTERNATIONAL LAW & RELATIONS. A.B. Minnesota, 24; A.M. Illinois, 26; fel, Harvard, 26-28, A.M. 28, Ph.D. 31. Instr. & asst. prof. govt. pre-legal div, N.J. Law Sch, 28-30; asst. Harvard, 30-31; instr. POLIT. SCI, Duke, 31-32; WISCONSIN, 32-34, asst. prof, 34-39, assoc. prof, 39-43, PROF, 43- chmn. dept, 44-48. Head leg. anal. unit, bur. agr. econ, U.S. Dept. Agr, 37-38; prin. div. asst. div. polit. studies, U.S. Dept. State, 42-43; mem. staff, UN Conf. Int. Orgn, Calif, 45. Polit. Sci. Asn; Soc. Int. Law. International law, relations and organization. Publ: Documentary textbook in international law. Address: Dept. of Political Science, University of Wisconsin, Madison, Wis. 53706.
- PFAUTZ, PROF. H(AROLD) W(INSTON), b. Duluth, Minn, Sept. 21, 18; m. 43; c. 2. SOCIOLOGY. A.B. Brown, 40; M.A. Chicago, 48, Ph.D. 54. Instr. SOCIOL, Bucknell, 48-51; asst. prof, BROWN, 52-57, assoc. prof, 57-62, PROF, 62- Soc. Sci. Res. Coun. faculty res. grant, 66-67; coordinator Toulaloo-Brown Coop. Prog, 64-66. Consult, R.I. State Div. Voc. Rehab, 56-; bur. higher ed, U.S. Off. Ed, 65- U.S.A.A.F, 42-45, 1st Lt. Sociol. Asn. Collective behavior; race relations; social psychology. Publ: Co-transl, Population and society; auth, Charles Booth: the city as physical fact and social structure, Univ. Chicago, 66; Current literature in social stratification. Address: Dept. of Sociology & Anthropology, Brown University, Providence, R.I. 02912.
- PFEFFER, PROF. IRVING, b. Montreal, Que, Apr. 13, 24; nat; m. 46; c. 3. ECONOMICS. B.A. McGill, 49; Huebner fel, Pennsylvania, 51-54, Ph.D. (econ), 54. Instr. INS, Pennsylvania, 52-54; asst. prof, CALIFORNIA, LOS ANGELES, 54-57, assoc. prof, 57-66, PROF, 67- Consult, State Assembly Cmt. Ins. & Finance, Calif, 55-; Voc. Rehab. Bur, 55-; Nat. Adv. Cmn. Civil Disorders, 67-68. Mem. Automobile Accident Study Cmn. State Calif, 68- Can. Army, 42-45. Am. Econ. Asn; Can. Polit. Sci. Asn; Royal Econ. Soc. Economic theory of insurance; accident and health insurance for old people; stocks and bonds research. Publ: Insurance and economic theory, Irwin, 56; ed, The financing of small business, MacMillan, 67; auth, Nature and significance of insurance principles, Am. Soc. C.P.C.U, 58. Address: Graduate School of Business Administration, University of California, Los Angeles, Calif. 90024.
- PFEFFER, DR. LEO, b. North Bozco, Hungary, Dec. 25, 10; m. 37; c. 2. POLITICAL SCIENCE. B.S.S. City Col. New York, 30; J.D. N.Y. Univ, 33. Staff counsel, AM. JEWISH CONG, 45-58, gen. counsel, 58-64, SPEC. COUNSEL, 64-; PROF. POLIT. SCI. & CHMN. DEPT. LONG ISLAND, 64- Lectr, New Sch. Soc. Res, 54-58; Mt. Holyoke Col, 58-60. Pres, Lawyers Constitutional Defense Cmt, 64-66. Recipient, Thomas Jefferson Relig. Liberty award, Universalist-Unitarian Asn, 66. Nat. Asn. Interorg. Rels. Officials; Soc. Sci. Study Relig; Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Supreme Court and constitutional law; church-state relationships; race relations and civil rights; interreligious relationships. Publ: Church, state and freedom, 53, rev, 67 & This honorable court, 65, Beacon; Creeds in competition, Harper, 58. Address: Dept. of Political Science, Long Island University, Brooklyn, N.Y. 11201.
- PFEFFERKORN, DR. ROBERT G(ILLMER), JR, b. Atlanta, Ga, May 19, 29; m. 51; c. 2. PSYCHOLOGY, STATISTICS. A.B. Duke, 49; M.S. Iowa State, 54; Ph.D. Purdue, 56. Instr. safety & human conserv, N.C. State Col, 50-51; asst. exp. psychol, Iowa State, 53-54; res. fel. mgt, Purdue, 54-56; supvr. & mem. tech. staff, Farnsworth Electronics Co, Int. Tel. & Tel. Corp, 56-58, mem. tech. staff, Int. Elec. Corp, 58-59, mgr. info. syst. planning, 60-62; info. syst. requirements, Martin Co, 62-64; SUBDEPT. HEAD INFO.

SYST. PLANNING, MITRE CORP. 64- U.S.A. 51-53. Psychol. Asn; Inst. Elec. Eng. Information systems, mission and operational analysis, system concept development, system analysis and evaluation, technical planning and phasing; system organization and management; human factors. Publ: Apparatus for measurement of reaction time to complex differential stimuli presented at a standard rate in nonrepetitive series, Proc. Iowa Acad. Sci; Implications of ground support equipment reliability on surface-launched guided missile reliability; Use of an electronic data processing system in making operational decisions. Address: 8303 Kay Court, Annandale, Va. 22003.

PFEIFFER, DR. C(ARL) C(URT), Pharmacol. See 11th ed, Phys. & Biol. Vols.

PFEIFFER, DR. MARK G(ORDON), b. Philadelphia, Pa. Feb. 7, 32; m. 56; c. 2. PSYCHOLOGY. M.A. Temple, 59, Ph.D.(psychol), 62. Sr. res. assoc. PSYCHOL, Courtney & Co, Matrix Corp, 59-63; from asst. prof. to ASSOC. PROF, LA SALLE COL, 63- Res. assoc, Appl. Psychol. Serv, 64-; res. grant, La Salle Col. & Nat. Sci. Found. fel. math. psychol, 67; Alexander von Humboldt fel, 68-69. U.S.A.F. 55-58, Capt. AAAS; Psychol. Asn; Human Factors Soc. Application of psycho-physical principles to performance evaluation and training problems; criterion development. Publ: Auth, Visual orientation in three-dimensional space, 16: 887-892 & co-auth, Comparison of category and magnitude scales of technical skills, 22: 235-248, Perceptual & Motor Skills; co-auth, Factor analysis of category and magnitude scales of a technical attribute, J. Appl. Psychol, 50: 341-347. Address: Dept. of Psychology, La Salle College, Philadelphia, Pa. 19141.

PFENDLER, PROF. D(AVID) C(LARENCE), b. Chattanooga, Tenn, Aug. 26, 08; m. 39; c. 2. AGRICULTURAL ECONOMICS. B.S.A. Purdue, 32, M.S., 39. Exten. specialist agr. econ, PURDUE, 36-37, asst. AGR, 37-39, instr, 39-43, asst. prof, 43-51, assoc. prof, 51-59, PROF, 59-, ASST. DEAN, 57-, asst. to the dean, 39-57. Field man, Prod. Credit Admin, 35-36. Mem. county cmt, Agr. Adjustment Admin, 33-36; mem. & past chmn, Wabash Valley Interstate Cmn. Agr. Econ. Asn; Acad. Polit. & Soc. Sci; Soc. Animal Sci. Animal science; counseling and guidance; agricultural curricular organization; student counseling and placements. Address: School of Agriculture, Purdue University, Lafayette, Ind. 47907.

PFIFNER, PROF. JOHN M(CDONALD), b. Emmetsburg, Iowa, Aug. 10, 93; m. 23; c. 1. PUBLIC ADMINISTRATION. A.B. Iowa, 16, A.M., 17, Ph.D., 27; hon. LL.D., Southern California, 63. Prof. polit. sci, Munic. Univ. Wichita, 27-29; PUB. ADMIN, SOUTHERN CALIFORNIA, 29-63, mem. staff, youth studies center, 61-63, EMER. PROF, 63- Personnel mngr, Los Angeles Sch. Dist, 36- Consult, U.S. War Dept, 45. U.S.A. 18-19. Soc. Pub. Admin; Polit. Sci. Asn; Mgt. Asn; Int. City Mgr. Asn; Research Asn.(pres). Criminal justice administration. Publ: Co-auth, Public administration & Administrative organization; Supervision of personnel. Address: 3518 University Ave, Los Angeles, Calif. 90007.

PFISTER, PROF. R(ICHARD) L(EE), b. Hiawatha, Kans, Apr. 25, 24; m. 53; c. 3. ECONOMICS. B.A. Kansas, 48, M.A. 50; Ford Found. fel. & Ph.D. (econ). Mass. Inst. Tech, 59. Res. economist, bur. bus. res, Kansas, 51-53, asst. dir, 53-55; instr. econ, Dartmouth Col, 58-59, asst. prof, 59-62, assoc. prof, 63-66; economist, U.S. Treas. Dept, 62-63; PROF. APPL. URBAN ECON. SCH. BUS. INDIANA, 66- Consult, State Planning & Develop. Cmn, N.H. 60-61; U.S. Treas. Dept, 63-65. Econ. Asn; Regional Sci. Asn. Urban and recreation economics. Publ: Co-auth, Theoretical issues in international economics, Houghton, 67; auth, External trade and regional growth, Econ. Develop. & Cultural Change, 1/63; Expenditures on vacations and pleasure travel in New Hampshire, In: Human resources in the urban economy, Resources for Future, 63. Address: School of Business, Indiana University, Bloomington, Ind. 47401.

PFLAUM, DR. IRVING PETER, b. Chicago, Ill, Apr. 9, 06; m. 30; c. 3. GOVERNMENT, INTERNATIONAL AFFAIRS. Ph.B. Chicago, 28; J.D. DePaul, 30. Prof. law & journalism, Northwestern, 44-46, prof. lectr, 46-56; assoc. Cuban Affairs, Am. Univ. Field Staff, 59-61; dir, Center Latin-Am. Affairs, INTER-AM. UNIV. P.R. 61-64, DIR, CARIBBEAN INST. & STUDY CENTER LATIN AM, 64-, chmn. dept. hist, govt. & polit. Latin Am, 64-66, polit. sci. dept, 66, 67-68. Vis. prof, Alabama, Carleton, Brown, Dartmouth, Calif. Inst. Tech, Tulane, Harvard, Indiana, Kans; Mich. State, 60-61; Silliman, Philippines, 67-68; lectr, Puerto Rico, 61; vis. lectr, Malaysia & Singapore Univs, 67; Doshisha, Japan, 67; participant, Caribbean Conf, Wichita, 61. Summer prof, Hawaii, 61. With Off. Strategic Serv, 41-43. Interpretation and analysis of social revolution, especially in Spain; Cuba; Dominican Republic; methods and meaning of international propaganda in the Cold War. Publ: Tragic island; Arena of decision. Address: Caribbean Institute & Study Center for Latin America, Inter American University of Puerto Rico, San German, P.R. 00753.

PFOUTS, PROF. R(ALPH) W(ILLIAM), b. Atchison, Kans, Sept. 9, 20; m. 45; c. 4. ECONOMICS. A.B. Kansas, 42, fel, 46, A.M., 47; Ph.D. North Carolina, 52. Asst. Kansas, 46, asst. instr, 46-47; instr. econ, NORTH CAROLINA, 47-50, lectr, 50-52, assoc. prof, 52-58, PROF. ECON, 58-, CHMN. DEPT, 62-, chmn. grad. studies dept. & sch. bus. admin, 58-62. Soc. Sci. Res. Coun. fel, Cambridge, 53-54; Ford Found. faculty res. fel, Mass. Inst. Tech, 62-63. Ed. South. Econ. J, 55-; Metroeconomica, 60- U.S.N.R. 42-46, Lt. AAAS; Econ. Asn; Economet. Soc; Statist. Asn. Mathematical and welfare economics; statistics. Publ: The theory of cost and production in the multi-product firm, Econometrica, 10/61; An axiomatic approach to index numbers, Rev. Int. Statist. Inst. 66; Artistic goals, scientific method and economics, South. Econ. J. 4/67. Address: Dept. of Economics, 216 Carroll Hall, University of North Carolina, Chapel Hill, N.C. 27514.

PFRETZSCHNER, PROF. PAUL A(LFRED), b. Pelham Manor, N.Y., Nov. 6, 22; m. 48; c. 3. POLITICAL SCIENCE. A.B. Buffalo, 47; A.M. Yale, 48; Ph.D.(polit. sci), Iowa, 53. Asst. instr, Yale, 48-49; asst. prof. govt, LA-FAYETTE COL, 49-56, assoc. prof, 56-59, PROF. GOVT. & LAW & CHMN. DEPT, 59- Instr, Pa. Pub. Serv. Inst, 54-; vis. lectr, inst. local & state govt, Pennsylvania, 55-56; Fulbright lectr, Trinity Col.(Dublin), 63-64. Con-

sult, State Dept. Commerce; Pa. Dept. Community Affairs, 56- Impartial chmn, Pa. Blouse Indust, 58-; chmn, Housing Authority, Easton, Pa. U.S.A. 43-46. Polit. Sci. Asn; Soc. Pub. Admin; Irish Inst. Pub. Admin. American local government; urban planning and redevelopment; political parties. Publ: Dynamics of Irish housing, Inst. Pub. Admin, Dublin, Ireland, 65; Procedural guide for planning commissions, 60 & Community renewal, 62, Bur. Community Develop, Harrisburg. Address: Dept. of Government, Lafayette College, Easton, Pa. 18042.

PHALAN, DR. J(OHN) LAURENCE, b. Boston, Mass, Aug. 28, 12; m. 42; c. 4. ECONOMICS. A.B. Boston Col, 37; A.M. Harvard, 40, scholar, 43-44, Ed.D. (econ. & ed), 44. Regional economist, Off. Price Admin, 44-46; chief economist, Nat. Housing Agency, New Eng, 46-47; prof. econ, Middlebury Col, 47-48; specialist econ, U.S. Off. Ed, 48-50; chief economist, U.S. Pub. Housing Admin, 50-53; Boston Housing & Redevelopment Authority, 54-59; staff economist, State Dept. Pub. Works, 59-62; exec. dir. planning, Bur. Socio-Econ. Res, 62-65; owner, Urban Planning & Res. Assocs, 62-65; PROF. ECON, STONEHILL COL, 65- Lectr. & dir, bur. socio-econ. res, Regis Col, 56- Econ. Asn; Nat. Ed. Asn; Arbit. Asn. Housing; methods of creating economic understanding; industrial development. Publ: Private business of public housing; Housing problems; The socio-economic base of the old colony planning council area, Stonehill Col, 67-68. Address: Dept. of Economics, Stonehill College, North Easton, Mass. 02356.

PHARES, DR. E. JERRY, b. Glendale, Ohio, July 21, 28; m. 55. CLINICAL PSYCHOLOGY. B.A. Cincinnati, 51; M.A. Ohio State, 53, Ph.D.(clin. psychol), 55. Trainee clin. psychol, Vet. Admin, 51-55; instr. PSYCHOL, KANSAS STATE, 55-56, assoc. prof, 60-64, PROF, 64-, HEAD DEPT, 67- Vis. assoc. prof, Ohio Wesleyan & Ohio State, 61-62. U.S.A. 46-48. Psychol. Asn. Personality theory; therapy; diagnosis. Publ: Internal-external control as a determinant of amount of social influence exerted, 65, co-auth, Breadth of categorization and the generalization of expectancies, 66 & Internal-external control as a determinant of information-seeking in a social influence situation, 67, J. Personality & Soc. Psychol. Address: Dept. of Psychology, Kansas State University, Manhattan, Kans. 66502.

PHARES, DR. MARY LOUISA, b. Colo, Iowa, July 7, 92. EDUCATIONAL PSYCHOLOGY. B.A. Iowa State Teachers Col, 21; Am. Res. Coun. fel, Iowa, 22-23, M.A. 23, fel, 28-32, Ph.D.(psychol), 32; fel, Oregon, 25-26. Teacher, prin. & supv, pub. schs, Iowa, S.Dak. & Minn, 11-22; assoc. prof. psychol, Sam Houston State Teachers Col, 23-32; private res. psychol. & social, 32-35; res. assoc, U.S. Govt, Iowa, 35-36; Rockefeller Found. fel. speech path, California, Los Angeles & Southern California, 36-38; vis. prof. ed. psychol, Southern Illinois, 38-39; private practice & res. & writing, 39- Vis. assoc. prof, Ball State Teachers Col. & Fla. State, 27-30; vis. prof, Huron Col, William Penn Col, & Elon Col, 42-45; N.Mex. State Col, 47-59. Mem, Int. Cong. Psychol, 32-48. Am. Psychol. Asn; Int. Soc. Psychol. Counseling and guidance; human motivation; learning theories; mental health; psychology of propaganda; social and theoretical psychology; tests and measurements; women's particular role in the establishment and promotion of world peace. Publ: World peace and its underlying psychological factors; Analysis of musical appreciation by means of psychogalvanometric technique. Address: Colo, Iowa 50056.

PHARISS, JOHN W(ILLIAM), b. Anadarko, Okla, Jan. 31, 18; wid; c. 1. ECONOMICS. B.S. Oklahoma, 47, M.B.A. 48; American Univ, 52-53; Maryland, 53-55. Head records & statist. sect, Stanolind Oil Purchasing Co, 47-49; mgr. budget & statist. dept, Deep Rock Oil Corp, 49-52; bus. analyst, Econ. Stabilization Agency, 52-53; comptroller, Greenbelt Vet. Housing Corp, 53-54; Ahrendt Instrument Co, 54-58; asst. treas, Civil Air Transport, 59-61; DEP. CHIEF FINANCE & ACCT. SECT, PAN AM. SANIT. BUR, 61- U.S.A.A.F, 42-45. AAAS; Econ. Asn; Economet. Soc. Public health; economic development. Address: 8318 Verona Dr, New Carrollton, Md. 20784.

PHELAN, PROF. JOSEPH GERARD, b. Brooklyn, N.Y., Mar. 6, 14; m. 46; c. 2. PSYCHOLOGY. B.A. Fordham, 36, M.A. 38; Hayden Found. fel, 36-39; M.A. Princeton, 48, Nat. Inst. Ment. Health grant, 48-49, Ph.D.(exp. psychol), 51. Asst. dir. lab. psychol. studies, Stevens Inst. Tech, 46-55; sr. assoc. Mgt. Consultants, N.Y., 55-56; personnel develop. counsr, Bechtel Corp, Calif, 56-59; PROF. PSYCHOL. CALIF. STATE COL. LOS ANGELES, 59- Clin. psychologist, Vet. Admin. Hosp, Lyons, N.J., 48-49; lectr. exec. develop. int. indust. rels, Rutgers, 50-55; West. Mgt. Sci. Inst. res. grant, 59-61; Nat. Sci. Found. grants, 64-67. U.S.N.R. 42-46. Psychol. Asn. Cognitive growth; concept formation; decision making; clinical judgment; group process and structure; leadership. Publ: Rationale employed by clinical psychologists in diagnostic judgement, J. Clin. Psychol, 20: 454-458; Replication of a study on the effects of attempts to verbalize on the process of concept attainment, J. Psychol, 59: 283-293; co-auth, Effects of manifest and induced anxiety and experimenter variability on simple reaction time, Perceptual & Motor Skills, 22: 483-487. Address: Dept. of Psychology, California State College at Los Angeles, 5151 State College Dr, Los Angeles, Calif. 90032.

PHELAN, SISTER MARY BENEDICT, b. Galesburg, Ill, Mar. 4, 02. EDUCATIONAL PSYCHOLOGY. B.A. Clarke Col, 24; M.A. Southern California, 28; Ph.D. Catholic Univ, 40; hon. D.Litt, Loras Col, 67. Prof. psychol. & ed. & chmn. dept, Mundelein Col, 34-57; PRES, CLARKE COL, 57- Mem. Gov. Cmn. Status of Women, Iowa, 64-; exec. cmt, Iowa Asn. Private Cols. & Univ, 65- Distinguished serv. award, Dubuque Area Chamber Commerce, 67. Psychol. Asn. Visual perception in relation to variance in certain skills; factor pattern of certain tests of visual perception; relation of perceptual and other measured abilities to achievement; inter-relationships of attitudes, knowledge and behavior. Publ: Co-auth, Better colleges, better teachers; auth, Visual perception in relation to variance in reading and spelling, Ed. Res. Monogr: The education of modern woman, Cath. Psychol. Record, fall 64. Address: Clarke College, Dubuque, Iowa 52001.

PHELAN, DR. ROBERT F, b. Waterbury, Conn, Feb. 15, 24; m. 48; c. 2. INDUSTRIAL PSYCHOLOGY. B.A. Connecticut, 51; M.S. Purdue, 52, fel. & Ph.D.(indust. psychol), 54. Res. analyst, PRUDENTIAL INS. CO, 54-58, sr.

res. analyst, 58-63, ASSOC. DIR. PLANNING & ANAL., 63- U.S.A. 43-46. Psychol. Asn. Management selection and development; employee selection; sales analysis; market research. Address: 2 Byron Rd, Weston, Mass. 02193.

PHELPS, DR. C. KERMIT, b. Newton, Kans, Dec. 4, 08; m. 36; c. 2. PSYCHOLOGY. Ph.D. (psychol), Kansas, 53. Asst. instr. psychol, Kansas, 47-49, asst. prof., 59-61; mem. psychol. training prog, VET. ADMIN., 49-52, staff psychologist, Ment. Hyg. Clin., 52-55, chief clin. psychologist, 55-61; CHIEF PSYCHOL. SERV. HOSP., 61- Psychologist, Topeka State Hosp., 49; asst. Menninger Found., 51; asst. prof., Kansas, 59-61; prof., Avila Col., 63-; assoc. prof., med. center, Kansas, 65- Consult, Marillac Sch. Spec. Ed., 62-; St. Mary Col. (Kans.), 62-; Marymount Col. (Kans.), 64. AAAS; Psychol. Asn. Projective techniques; organicity. Publ: Co-auth, Cognition, Harper, 64; auth, Phelps-Scheerer organic battery; psychological aspects of retirement, Int. Geront. Cong., 66. Address: 3437 Quincy St, Kansas City, Mo. 64128.

PHELPS, DR. CHARLOTTE D, b. East Orange, N.J., Jan. 26, 33; m. 57. ECONOMICS. B.A. Harvard, 22; Heidelberg, 23; Vienna, 24; Dr. Law, Toulouse, 24. Instr. Drake, 24-25; prof. econ. & head dept, Chattanooga, 25-46; assoc. prof., Southern California, 46-47, prof., 47-62, head dept., 50-57; RES. ASST. PROF. ECON., TEMPLE, 67- Researcher, cmt. econ. stabilization, Soc. Sci. Res. Coun., 67- Econ. Asn. Monetary and fiscal policies; state and local government finance. Publ: The impact of tightening credit on municipal capital expenditures in the United States, Yale Econ. Essays fall 61; The impact of monetary policy on state and local government expenditures, In: Impacts of monetary policy, Prentice-Hall, 63; co-auth, Factor-price-frontier estimation of a vintage production model of the U.S. non-farm business sector, Rev. Econ. & Statist., 8/66. Address: Dept. of Economics, Temple University School of Business Administration, Philadelphia, Pa. 19122.

PHELPS, PROF. CLYDE WILLIAM, b. De Kalb, Ill., Mar. 6, 96; m. 26; c. 1. ECONOMICS. B.A. Harvard, 22; Heidelberg, 23; Vienna, 24; Dr. Law, Toulouse, 24. Instr. Drake, 24-25; prof. econ. & head dept, Chattanooga, 25-46; assoc. prof., Southern California, 46-47, prof., 47-62, head dept., 50-57; RES. ASST. PROF. ECON., TEMPLE, 67- Researcher, cmt. econ. stabilization, Soc. Sci. Res. Coun., 67- Econ. Asn. Monetary and fiscal policies; state and local government finance. Publ: The impact of tightening credit on municipal capital expenditures in the United States, Yale Econ. Essays fall 61; The impact of monetary policy on state and local government expenditures, In: Impacts of monetary policy, Prentice-Hall, 63; co-auth, Factor-price-frontier estimation of a vintage production model of the U.S. non-farm business sector, Rev. Econ. & Statist., 8/66. Address: Dept. of Economics, Temple University School of Business Administration, Philadelphia, Pa. 19122.

PHELPS, DR. DAVID SUTTON, b. Gatesville, N.C., July 25, 29; m. 52. ANTHROPOLOGY, ARCHAEOLOGY. B.A. North Carolina, 60; Ph.D. (anthrop), Tulane, 64. Summer instr. ANTHROP., Tulane, 63; asst. prof., FLA. STATE, 64-68, ASSOC. PROF., 68- Nat. Sci. Found. res. grant, 65-66; Fla. State Univ. Res. Coun. res. grant, 66-67; Tall Timbers Res. Inc. res. grant, 66-67 & Henry Beadle fel., summer, 67; Nat. Found. Arts & Humanities res. grant, 67- U.S.A.F. 48-52, S/Sgt. Soc. Am. Archaeol.; fel. Anthropol. Asn; Archaeol. Inst. Prehistory of the Southeastern United States and of the Maya area; cultural connections between the southeastern United States and Mesoamerica; culture change; physical anthropology of prehistoric populations. Publ: Norwood series of fiber tempered ceramics, Southeast. Archaeol. Conf. Bull., 2/65; Early and late components of the Tucker site, Fla. Anthropologist, 66; co-auth, Catawba Indians: morphology, genetics, and history, Am. J. Phys. Anthropol., 67. Address: Dept. of Anthropology, Florida State University, Tallahassee, Fla. 32306.

PHELPS, PROF. D(UDLEY) M(AYNARD), b. Manton, Mich., May 8, 97. MARKETING, INTERNATIONAL RELATIONS. B.A. Michigan, 25, M.B.A., 26, Ph.D. 31. Instr. MKT, MICHIGAN, 26-28, asst. prof., 28-36, assoc. prof., 37-40, prof., 41-67, EMER. PROF., 67- Lectr., California, Los Angeles, 37; Soc. Sci. Res. Coun. fel.; traveling fel., S. Am., 32-33; sr. econ. analyst, U.S. Dept. State, Am. Embassy, Caracas, 42-43, assoc. chief div. financial & monetary affairs, 44-45; chief div. for. econ. develop., 45-46, acting dir. off. financial & develop. policy, 45-46; vis. prof., Columbia, 47; Found. Bus. Admin., Rotterdam, Netherlands, 67. Summers, lectr., Int. Coop. Admin. Japan, 59, chmn. Am. Mkt. Del. U.S.S.R. 60. U.S. Dept. State dep. del., Paris Conf. Reparation, 45; rep., Allied Cmn. Reparation, 45-46; Inter-Allied Reparation Agency, 46. Distinguished faculty achievement award, Univ. Michigan, 61. Mkt. Asn. (v. pres., 41, pres., 57-58, Parlin award, 64). International economic relations; domestic marketing; foreign trade and finance; economic relations with Latin America. Publ: Rubber developments in Latin America; Migration of industry to South America; co-auth, Marketing management. Address: University of Michigan Graduate School of Business Administration, Ann Arbor, Mich. 48104.

PHELPS, PROF. EDMUND (STROTHER), b. Evanston, Ill., July 26, 33; m. 57. ECONOMICS, OPERATIONS ANALYSIS. B.A. Amherst Col., 55; M.A. Yale, 56, Ph.D., 59. Economist logistics anal., Rand Corp., 59-60; asst. prof. ECON., univ. & Cowles Found. Econ. Res., Yale, 60-66; PROF., WHARTON SCH., PENNSYLVANIA, 66- Vis. assoc. prof., Mass. Inst. Tech., 62-63; Soc. Sci. Res. Coun. faculty res. grant, 65-66. Fel. Economet. Soc.; Econ. Asn. Decision making under conditions of uncertainty and continuing choice; identification and social control of major instruments of productivity growth in mature and progressive economies; wage and price dynamics. Publ: Fiscal neutrality toward economic growth, McGraw, 65; Golden rules of economic growth, Norton, 66. Address: Dept. of Economics, University of Pennsylvania, Philadelphia, Pa. 19104.

PHELPS, PROF. HAROLD A(USUSTUS), Sociol., see 10th ed, Soc. & Behav. Vols.

PHELPS, PROF. HAROLD R(OBERT), b. Allen, Kans., Mar. 27, 16; m. 42; c. 2. PSYCHOLOGY. B.Sc., Nebraska, 38, M.A., 47; Ph.D., Ohio State, 51.

Asst. psychol., Ohio State, 47-49, asst. instr., 50-51, asst. prof. spec. ed., 51-58; HEAD DEPT. SPEC. ED., ILLINOIS STATE, 58-, PROF. ED., 66- U.S.A., 41-46, Maj. AAAS; Psychol. Asn; Asn. Ment. Deficiency; Personnel & Guid. Asn; Coun. Except. Children. Adjustment of educable mentally retarded; application of psychological principals and techniques to the school situation; development of diagnostic techniques for solving children's learning problems. Publ: Co-auth, Postschool adjustment of slow learning children. Address: Division of Special Education, Illinois State University, Normal, Ill. 61761.

PHELPS, PROF. JEWELL A, b. Paris, Tenn., Oct. 23, 14; m. 47; c. 1. GEOGRAPHY. M.A. George Peabody Col., 46; Ph.D., Northwestern, 55. Instr. GEOG., Missouri, 47; assoc. prof., Birmingham-South. Col., 47-48; asst. prof. GEORGE PEABODY COL., 51-55, assoc. prof., 55-59, PROF., 59- Dir., Consortium Prfln. Asn., 67-68. Ed. Asn. Am. Geog. Newsletter, 67-68. U.S.A.A.F., 42-45. Geographical education; geography of United States. Publ: Geography behind the news: an experiment in educational television, J. Geog. Address: 2305 Oxford Rd, Nashville, Tenn. 37215.

PHELPS, PROF. JOHN McKEVITT, b. San Antonio, Tex., Mar. 28, 20; m. 51; c. 4. POLITICAL SCIENCE. A.B., Chicago, 46, M.A., 51. Reader soc. sci., Chicago, 47-48; instr. polit. sci., Mundelein Col., 50-51; adminstr. & European affairs, U.S. Govt., 51-53, polit. analyst, 53-58; ASST. PROF. POLIT. SCI., St. Joseph's Col. (Ind.), 58-62; CATHOLIC UNIV., 62- Instr., Loyola (Ill.), 50-51. U.S.A.; 42-46; U.S.A.A.F., 43-45, Sgt. Polit. Sci. Asn. East European politics; political philosophy; education. Address: 5403 15th Ave, West Hyattsville, Md. 20782.

PHELPS, PROF. O(RME) W(HEELock), b. Hobart, Okla., July 5, 06; m. c. 2. INDUSTRIAL RELATIONS. A.B., Chicago, 37, M.B.A., 39, Ph.D., 45. Asst. prof. bus. admin., Cent. YMCA Col., 39-42; asst. prof. indust. rels. & dean students, sch. bus., Chicago, 42-47; prof. indust. rels., Claremont Men's Col., 47-63, SR. PROF. ECON., CLAREMONT MEN'S COL. & GRAD. SCH., 63- Fulbright scholar, W. Indies, 57-58; Brookings res. prof., Brookings Inst., 62-63. Mem. & v.chmn. region XII, Wage Stabilization Bd., 51-53. Indust. Rels. Res. Asn; Econ. Asn; Acad. Arbit. Labor economics and relations; personnel administration; patterns of union organization and contractual relationships; explanations of wage movements and relationships. Publ: Introduction to labor economics; Discipline and discharge in the unionized firm; Compulsory arbitration: some perspectives, Indust. & Labor Rels. Rev., 10/64. Address: Dept. of Economics, Claremont Men's College, Claremont, Calif. 91711.

PHIBBS, DR. PHILIP MONFORD, b. Bemidji, Minn., Oct. 2, 31; m. 54; c. 2. POLITICAL SCIENCE. B.A., Washington State, 53; Rotary Found. fel., Cambridge, 53-54; M.A., Chicago, 56, Ph.D., 57. Cong. fel., Am. Polit. Sci. Asn., 57-58; instr. GOVT. & INT. RELS., WELLESLEY COL., 61-63, asst. prof., 63-68, ASSOC. PROF., 68- Rockefeller Found. res. grant, India, 66-67. U.S.A.F., 58-61, Capt. Polit. Sci. Asn. International relations. Publ: United States Air Force community relations activities in Great Britain; India's economic aid programs, Current Hist., 4/68. Address: Dept. of Political Science, Wellesley College, Wellesley, Mass. 02181.

PHILBRICK, PROF. ALLEN KELLOGG, b. Chicago, Ill., May 11, 14; m. 65; c. 2. GEOGRAPHY. B.A., Chicago, 38, S.M., 41, Ph.D., 49. Asst. prof. cartog. & land utilization, Syracuse, 49-50; cartog. & geog., Chicago, 50-56; assoc. prof., Mich. State, 56-61, PROF., 61-65; CULTURAL GEOG., WESTERN ONTARIO, 65- Ont. Treas. Dept. grant, 67-69. U.S.A., 41-45, Capt. Asn. Am. Geog; Can. Asn. Geog. Cultural geography, particularly urban-focused; theory and application of quantitative methods to areal functional organization; measurement of cultural diversity across dimensional edges. Publ: This human world, Wiley, 63; Principles of areal functional organization in regional human geography, Econ. Geog.; The Nodal water region of North America, Can. Geogr., 64. Address: Dept. of Geography, University of Western Ontario, London, Ont., Can.

PHILBRICK, DR. JOSEPH LAWRENCE, b. Natick, Mass., Sept. 27, 27; m. 50; c. 4. PSYCHOLOGY. B.A., Baylor, 49, M.A., 50, Ph.D. (student personnel), 55; Southern California, 56. Prof. PSYCHOL., Calif. Baptist Theol. Sem., 54-56; prof. & dean student personnel, Howard Payne Col., 56-57; instr., Fullerton Jr. Col., 57-60; ASSOC. PROF., CALIF. STATE POLYTECH. COL., 60- Participant, Nat. Sci. Found. summer inst. psychologist, Beloit Col., 64, California, Berkeley, 65. Resident, Am. Inst. Family Rels., Hollywood, Calif., 62-64. Personnel & Guid. Asn. Organization and administration of student personnel services; group psychotherapy; attitude assessment; person perception; general psychology. Publ: Ed, Contemporary scientific psychology, 65, Contemporary studies in social psychology and behavior change, 65 & Contemporary research in group psychotherapy, 68, Selected Acad. Address: Dept. of Social Sciences, California State Polytechnic College, Pomona, Calif. 91766.

PHILBROOK, PROF. CLARENCE EDWARD, b. Hopkinsville, Ky., Mar. 7, 09; m. 48; c. 1. ECONOMICS. A.B., Chicago, 36, Ph.D., 49. Instr. ECON., Iowa State Col., 41-46; assoc. prof., NORTH CAROLINA, CHAPEL HILL, 47-55, PROF., 55- Econ. Asn. Monetary theory; free enterprise, ethics and freedom. Publ: Re-examining of Keynesian economics & Fitted money and the collective bargaining ideal, South. Econ. J.; Realism in policy espousal, Am. Econ. Rev. Address: Dept. of Economics, University of North Carolina, Chapel Hill, N.C. 27515.

PHILIP, DR. ANTHONY F, b. New York, N.Y., Oct. 9, 27; m. 51; c. 3. PSYCHOLOGY. B.A., Brooklyn Col., 50; M.A., Columbia, 54; U.S. Pub. Health Serv. fel., N.Y. Univ., 58-59, Ph.D., 60. Asst. psychol., res. center ment. health, N.Y. Univ., 55-57; intern clin. psychol., Bronx Munic. Hosp. Center, Albert Einstein Col. Med., 57-58; fel. clin. psychol., Austen Riggs Center, 59-61, staff psychologist, 61-62; assoc. prof. psychol., Fairleigh Dickinson, 62-65; DIR. COLUMBIA COL. COUNSELING SERV. & CONSULT., COL. HUMAN DEVELOP. TEACHING PROG., COLUMBIA, 65- Consult. clin. psychologist, Williams Col., 61-62; private practice, 62- Cert. in clin. psychol., Am. Bd. Exam. Prfln. Psychol. U.S.A., 46-47. Psychol. Asn; Orthopsychiat. Asn; Col. Health Asn. College mental health; psychotherapy; adolescents

and young adults. Publ: Effects of LSD-25 on primary process thinking; The campus drug problem, J. Am. Col. Health Assn, 67. Address: Hamilton Hall Annex, Columbia University, New York, N.Y. 10027.

PHILIPP, PROF. PERRY (FRED), b. Cologne, Germany, Aug. 10, 13; nat; m. 41; c. 2. AGRICULTURAL ECONOMICS. B.S. California, 40, Loewy scholar, 43-45, Ph.D.(agr. econ), 51. Asst. California, 43-44; asst. exten. economist, HAWAII, 45-52, assoc. exten. economist, 52-54, assoc. prof. AGR. UNIV. & assoc. agr. economist, EXP. STA, 54-59, PROF. & AGR. ECONOMIST, 59-, CHMN. DEPT, 62-63, 64-66 & 67- Agr. Develop. Coun. res. grant, 63-64. Am. Agr. Econ. Assn; Rural Sociol. Soc; Int. Assn. Agr. Econ. Agricultural economic development of less developed countries, especially Asian & Pacific; production economics; farm management; agricultural marketing. Publ: Diversified agriculture of Hawaii, Univ. Hawaii, 53; Requirements for success of village cooperatives in developing countries of Asia, Ann. Pub. & Coop. Econ, 9-12, 66. Address: Dept. of Agricultural Economics, University of Hawaii, 2525 Varney Circle, Honolulu, Hawaii 96822.

PHILIPPS, PROF. DENIS SINCLAIR, b. London, Eng, Apr. 23, 15; nat. MANAGEMENT SCIENCE. B.A., N.Y. Univ, 40, M.A., 42, Ph.D.(govt), 56. Instr. govt. N.Y. UNIV, 45-48, assoc. prof. MGT, 48-67, PROF, 67-, DIR. MGT. INST, 48-, ASST. DEAN, SCH. CONTINUING ED, 66- Consult. U.S.A. Mgt. Assn. Executive organization planning and development; economics; finance; behavioral sciences; management. Publ: Schools of business administration: a new concept of purpose, N.Y. Univ, 65. Address: 301 W. 108th St, New York, N.Y. 10025.

PHILIPS, DR. C(HARLES) LEE, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.

PHILIPS, GEORGE, b. New York, N.Y., Feb. 1, 31; m. 52; c. 2. ECONOMICS. B.S. Cooper Union, 52; Irving Rossi fel, Mass. Inst. Tech, 53-54, M.S., 54. Engr. State Dept. Pub. Works, N.Y., 52-53; analyst cost control, Ford Motor Co, 54-55; res. analyst mgt, Armour Res. Found, 57-59, supvr. mgt. & econ, 59-60, asst. dir, 60-62, dir, 62-67; EXEC. V.PRES, TOOTSIE ROLL INDUSTRIES, INC, 67- Information theory as applied to business intelligence, corporate organization and decision making; definition of buying influences, patterns in consumer and industrial markets. Publ: Laboratory location analysis & Impact of technology on economy of Chicago, Frontier. Address: Tootsie Roll Industries, Inc, 1515 Willow Ave, Hoboken, N.J. 07030.

PHILIPS, PROF. G(EO)GE EDWARD, b. Hamilton, Mont, May 29, 26; m. 51; c. 6. ACCOUNTING. BUSINESS ADMINISTRATION. B.A. Montana State, 47, A.M., St. Louis, 51; Price, Waterhouse Found. fel, Mich. State, 58-59, Ford Found. fel, 59-60, Ph.D., 60. Acct. Gen. Mills, Inc, 47-49; Seidman & Seidman, 53-57; instr. ACCT, Aquinas Col, 51-53, 55-57; Mich. State, 57-59; asst. prof, California, Los Angeles, 60-65; assoc. prof, PA. STATE, 65-67, PROF, 67- Am. Acct. Assn; Econ. Assn. Accounting theory; income concepts; public accounting. Publ: The accretion concept of income, 63, The revolution in accounting theory, 63 & Pension liabilities and assets, 68, Acct. Rev. Address: Pennsylvania State University, 208 Boucke Bldg, University Park, Pa. 16802.

PHILLIPS, PROF. ALMARIN, b. Port Jervis, N.Y., Mar. 13, 25; m. 47; c. 6. ECONOMICS. B.S. Pennsylvania, 48, A.M., 49; fel, Harvard, 50-51, Ph.D. (econ), 53. Instr. econ, Pennsylvania, 48-50, 51-53, asst. prof, 53-56; vis. asst. prof, Virginia, 56, assoc. prof. econ. & bus. admin, grad. sch. bus. admin, 56-61, PROF, 61-63; ECON. & LAW, PENNSYLVANIA, 63- Ford Found. res. fel, 67-68. Ed. Am. Statistician, 53-56; South. Econ. J, 63-66. Consult, Bd. Gov. Fed. Reserve Syst, 62-; Rand Corp, 63-; Pa. Cmn. Banking Law, 65-66. U.S.A., 43-45. Econ. Assn; fel. Statist. Assn; Economet. Soc. Public policies toward business; price theory. Publ: Co-auth, Problems in basic operations research methods for management; auth, Tableau economique as a simple Leontief model, Quart. J. Econ; Market structure, organization and performance, Harvard Univ. Press, 62. Address: Dept. of Economics, University of Pennsylvania, Philadelphia, Pa. 19104.

PHILLIPS, PROF. BEEMAN NOAL, b. Boonville, Ind, May 4, 27; m. 52; c. 3. EDUCATIONAL PSYCHOLOGY. A.B. Evansville Col, 49; M.S., Indiana, 50, Ed.D., 54. Dir. div. res, State Dept. Ed, Ind, 54-56; asst. prof. ED. PSYCHOL, TEXAS, AUSTIN, 61, assoc. prof, 61-68, PROF, 68- Grants, U.S. Off. Ed, 64-66, Nat. Inst. Ment. Health training in sch. psychol, 66-70. Psychol. consult, Southwest Ed. Develop. Corp, 67- Psychol. Assn; Ed. Res. Assn. Factors influencing school learning, especially anxiety. Publ: Co-auth, Psychology at work in the elementary school classroom, Harper, 60, auth, An analysis of causes of anxiety among children in school, U.S. Off. Ed, 66. Address: 309 Sutton Hall, University of Texas at Austin, Austin, Tex. 78712.

PHILLIPS, DR. BERNARD S, b. New York, N.Y., June 4, 31; m. 55; c. 2. SOCIOLOGY. B.A. Columbia, 52; M.A., Washington State, 54; Ph.D.(sociol), Cornell, 56. Res. asst. prof. soc. psychol, sch. pub. health, North Carolina, 56-58; asst. prof. SOCIOLOG, Illinois, 58-61; BOSTON, 61-63; ASSOC. PROF, 63- Summer fel, Illinois, 59, 60; res. grant, City of Decatur, Ill, 60-61; Nat. Inst. Ment. Health res. grant, 61-62. Consult, Dept. Ed, P.R., 68. Vis. scholar award, Japan Area Develop. Center, 68. Fel. Sociol. Assn. Research methods; theories of change and development; mathematical and logical models; educational and applied sociology; social psychology; general systems theory; cybernetics. Publ: Technical material for an interview survey of the aging, 62 & The aging in a central Illinois community, 62, Univ. Illinois; Social research: strategy and tactics, Macmillan, 66. Address: Dept. of Sociology, Boston University, 232 Bay State Rd, Boston, Mass. 02215.

PHILLIPS, PROF. C(ARROLL) D(AVIDSON), Agr. Econ, Mkt, see 10th ed, Soc. & Behav. Vols.

PHILLIPS, DR. C(HARLES) F(RANKLIN), b. Nelson, Pa, May 25, 10. ECONOMICS. A.B. Colgate, 31, LL.D., 45; Ph.D., Harvard, 34; LL.D., Colgate, 45, Colby Col, 49, Bowdoin Col, 52, Northeastern, 53, Shaw, 66, Bates Col, 67; L.H.D., Maine, 54; hon. L.H.D., West. New Eng. Col, 59; Nasson Col, 59; Litt.D.,

Morehouse Col, 63. Instr. econ, Hobart Col, 33-34; Colgate, 34-35, asst. prof, 35-38; prof, 38-41; with Off. Price Admin, 41-44, dep. adminstr. in charge rationing, 44; pres, BATES COL, 44-67, EMER. PRES, 67- Mem. U.S. Dept. State Mission to India & Pakistan, 53-54; summer participant, Int. Econ. Conf, Switz, 56. Chmn. State Tax Revision Cmt, Maine, 50. Mkt. Assn. (ed-in-chief, jour, 43-47). Marketing; government spending and economic recovery; principles and methods of retailing. Publ: Tax program to encourage the further economic growth of Puerto Rico. Address: Maple Hill Lane, Auburn, Maine 04210.

PHILLIPS, DR. CHARLES F(RANKLIN), JR, b. Geneva, N.Y., Nov. 5, 34; m. 57; c. 2. ECONOMICS. A.B., New Hampshire, 56; Ph.D.(econ), Harvard, 60. Instr. ECON, Quincy Jr. Col, 58-59; asst. prof, WASHINGTON & LEE, 59-63, assoc. prof, 63-66, PROF, 66- Consult, Labor Policy Assn, Inc, 61-66; Am. Tel. & Tel. Co, 61-; VMI Res. Labs, Inc, 63- Mem. bd. gov. banking mkt. sect, Fed. Reserve Syst, 63-; mem, Va. Elec. & Power Co, 68- Mkt. Assn; Econ. Assn. Theory and practice of United States government regulation in public utilities, communications and transportation; industrial organization. Publ: Competition in the synthetic rubber industry, Univ. N.C. Press, 63; co-auth, Bank mergers and the regulatory agencies, Bd. Gov. Fed. Reserve Syst, 64; auth, The economics of regulation, Irwin, 65. Address: Room 21, Newcomb Hall, Washington & Lee University, Lexington, Va. 24450.

PHILLIPS, PROF. CLAUDE S, JR, b. Greene Co, Pa, Apr. 1, 23; m. 45; c. 3. POLITICAL SCIENCE. Ph.D.(polit. sci), Duke, 54. Instr. polit. sci, Michigan, 54-57, asst. prof, 57-60; assoc. prof. POLIT. SCI, WESTERN MICHIGAN, 60-65, PROF, 65-, DIR. INST. INT. & AREA STUDIES, 60- Assoc. res. fel, Nigerian Inst. Soc. & Econ. Res, Univ. Col, Ibadan, 61-62. Polit. Sci. Assn; Soc. Int. Law; fel. African Studies Assn; Int. Studies Assn. International politics of the non-Western world, especially Africa. Publ: The development of Nigerian foreign policy, Northwestern, 64; International legal status of Formosa, West. Polit. Quart. The bilateral treaty network of non-Western states, In: De Lege Pactorum, Duke, 68. Address: Institute of International & Areas Studies, Western Michigan University, Kalamazoo, Mich. 49001.

PHILLIPS, PROF. C(LINTON) A, b. Easton, Mass, Apr. 10, 25; m. 53; c. 1. ECONOMICS, MARKETING. B.A. Baldwin-Wallace Col, 50; Rockefeller grant, Vanderbilt, 53-54, Ph.D., 56. Instr. econ, Tennessee, 54-55, asst. prof, 55-56, assoc. prof, 56-57; bus. admin. Tulane, 58-63, acting dean col. bus. admin, 63-64, assoc. dean, 64-67, chmn. grad. div, 59-61; PROF. MGT, TEXAS A&M, 67- U.S.A.A.F., 43-46. Econ. Assn. Role of corporation in modern society. Publ: Co-auth, Guide to beginning economics; Economics: principles and practices. Address: College of Business Administration, Texas A&M University, College Station, Tex. 77843.

PHILLIPS, DR. CLYNN, b. Dayton, Idaho, Dec. 3, 35; m. 56; c. 3. ECONOMICS. B.S. Utah State, 59, M.S., 62; Ph.D.(agr. econ), Montana State, 64. Instr. econ, Montana State, 63-64; agr. economist, U.S. Dept. Agr, 64-66; ASST. PROF. ECON, WYOMING, 66- Agr. Econ. Assn. Agricultural and resource economics. Address: Dept. of Economics, University of Wyoming, Laramie, Wyo. 82070.

PHILLIPS, DR. DAVID, Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.

PHILLIPS, DR. DAVID G, b. Detroit, Mich, Aug. 1, 24; m. 57; c. 2. PUBLIC ADMINISTRATION, LAW. B.A. Principia Col, 49; LL.B., John Marshall Law Sch, 54; M.P.A., Syracuse, 56, D.P.A., 64. Bill drafter, Ill. Legis. Ref. Bur, 54-55; budget exam, Bur. Budget, 56-57; U.S. Atomic Energy Cmn, 57-62, fed-state specialist, 62-65; PROG. SPECIALIST, BUR. ELEM. & SEC. ED, U.S. OFF. ED, 65- Asst. prof. pub. admin, George Washington, 64-68; dir. res, Md. Constitutional Convention, 67-68. U.S.A., 43-46. Polit. Sci. Assn; Soc. Pub. Admin. Address: 4400 Judith St, Rockville, Md. 20853.

PHILLIPS, DR. DEREK L, b. Corning, N.Y., Jan. 22, 34; m. 56; c. 3. SOCIOLOGY. B.A. Rutgers, 59; M.A., Arizona, 60; Ph.D.(sociol), 62. Instr. SOCIOLOG, Wellesley Col, 62-63; asst. prof, Dartmouth Col, 63-66; ASSOC. PROF, N.Y. UNIV, 66- Res. consult, State Div. Ment. Health, N.H., 63-65. U.S.A., 54-56. Sociol. Assn; Soc. Study Soc. Probs. Public reactions to mental illness; social determinants of mental illness, social relations and psychological well-being. Publ: Rejection of the mentally ill, Am. Sociol. Rev, 64; Social participation and happiness, Am. J. Sociol, 67; Social class and psychological disturbance, Soc. Psychiat, 68. Address: Dept. of Sociology, New York University, New York, N.Y. 10003.

PHILLIPS, PROF. DORIS G(ODRICH), b. Oakland, Calif. Aug. 21, 25. ECONOMICS. A.B. California, 47, Ph.D.(econ), 55. Asst. elem. econ, California, 50-52; Ford Found. Bd. overseas training & res. fel, D.C., 52-53, Iraq, 53-55; Soc. Sci. Res. Coun. grant-in-aid, Iraq, 56-57; asst. prof. ECON, Pa. State, 57-59; assoc. prof, Ind. Cent. Col, 58-60; asst. prof, Washington State, 60-65; PROF, CALIF. STATE COL. FULLERTON, 65- Econ. Assn; Econ. Hist. Soc; Asn. Evolutionary Econ. Economic development and history; history of economic thought. Publ: Iraq's people and resources, Univ. California, 58; Economic dualism in classical economic thought, South. Econ. J, 7/65; The wages fund in historical context, J. Econ. Issues, 12/67. Address: Dept. of Economics, California State College at Fullerton, Fullerton, Calif. 92631.

PHILLIPS, PROF. E. BRYANT, b. Lincoln, Nebr, May 23, 05. ECONOMICS. A.B. Nebr. Wesleyan, 27; A.M. Nebraska, 31, Ph.D., 44; summers, California, 32-34; Harvard, 33; Oregon, 39. Instr. pub. sch, Nebr, 31-43; Aviation Cadet Center, Tex, 43-44; Los Angeles City Col, 47; asst. prof. ECON, SOUTHERN CALIFORNIA, 47-50, assoc. prof, 50-59, PROF, 59-, chmn. dept, 61-63. Sig.C., U.S.A., 44-46. Econ. Assn; Finance Assn. Consumer economic problems; personal finance. Publ: Consumer economic problems, Holt, 57; Personal finance, Wiley, 63. Address: Dept. of Economics, University of Southern California, Los Angeles, Calif. 90007.

PHILLIPS, DR. EWING LAKIN, b. Higginsville, Mo, Apr. 29, 15; m. 49; c. 4. PSYCHOLOGY. Ph.D.(child psychol), Minnesota, 49. Clin. psychologist,

Dept. Ed. St. Paul, 46-47; Bd. Ed. Minneapolis, 47-48; asst. prof. psychol. George Washington, 48-52; clin. psychologist, Arlington County Guid. Center, Va., 49-56; clin. psychologist & consult, Anderson Orthop. Hosp., 56-62; PROF. PSYCHOL. GEORGE WASHINGTON & DIR. PSYCHOL. CLIN. 62-Consult, 48- U.S.A.A.F. 42-44; U.S.A. 44-45. Psychol. Asn. Personality theory; clinical practice and theory; experimental psychopathology. Publ: Psychotherapy: a modern theory and practice, Prentice-Hall, 56; co-auth. Educating emotionally disturbed children, 62 & Short-term psychotherapy, 66, McGraw. Address: 11416 Vale Rd, Oakton, Va. 22124.

PHILLIPS, DEAN FLORENCE LOUISE, b. Bluefield, W.Va., Jan. 28, 22. PSYCHOLOGY, EDUCATION. A.B. Marshall, 44; M.A. Mich. State, 46; Harvard, summer 48; Ed.D.(personnel & higher ed), Indiana, 58. Counsr. & interviewer Sylvania Elec. Prod. Inc, 45; housing dir, Marshall, 46-47; res. assoc. & resident counsr, Indiana, 47-50, asst. dir. women's halls in charge counseling & discipline, 52-54; counsr. student affairs & instr. psychol, Eastern New Mexico, 50-52; DEAN WOMEN, TEX. TECH. COL., 54-. PROF. PSYCHOL, 64- Leadership retreat consult, Eastern New Mexico, 60, vis. prof, summer 61; researcher & consult, Inst. Int. Res. & Develop, Inc, 61-62. Mem. Braniff Int. Coun, 67-68. Nat. Asn. Women Deans & Counsr. Socio-economic status of college women; life and work of Kara Horney. Publ: A socio-economic study of college women, In: Studies in education, Indiana Univ, 59; Achieving professional status for the position of the residence hall counselor, J. Nat. Asn. Women Deans & Counsr, fall 64; The changed status of women, Education, 12/66. Address: Dept. of Psychology, Texas Technological College, Lubbock, Tex. 79409.

PHILLIPS, GEORGE ERNST, b. Staunton, Va., Jan. 31, 12; m. 38; c. 1. ECONOMICS, STATISTICS. B.A. Col. William & Mary, 34; George Washington, 36-43. Indust. econ. analyst, Off. Price Admin. D.C., 42-44, economist, 46-47; bus. economist, off. domestic commerce, U.S. Dept. Commerce, 47-50; bur. labor statist, U.S. Dept. Labor, 50-52; price economist, Off. Price Stabilization, 52-53; chief rev. & anal. unit, Ord. Ammunition Command, Ill, 53-57; statist. develop. br, Off. Chief Ord, D.C., 57-60; plans & prog. div, U.S. Civil Admin. Ryukyu Islands, Okinawa, 60-68; CHIEF ECON. BR, N.A.T.LANTIC DIV, U.S. ARMY CORPS ENGRS, 68- U.S.A. 43-46, Sgt. Econ. Asn; Statist. Asn. Business economics; marketing. Address: U.S. Army Corps of Engineers, Planning Division, Room 1204, 90 Church St, New York, N.Y. 10007.

PHILLIPS, PROF. GERALD R(OE), Social Sci, see 10th ed, Soc. & Behav. Vols.

PHILLIPS, DR. HAROLD R, b. Savannah, Ga., Nov. 6, 28; m. 50; c. 2. ECONOMICS, MANAGEMENT. B.A. South. Missionary Col, 50; fel. & M.B.A. Florida, 60, Ph.D.(econ. & bus. admin), 66. Credit mgr, Walker Mem. Hosp, Avon Park, Fla, 51-54; asst. adminstr, Hialeah Hosp, Fla, 54-57; instr. mgt. Florida, 60-62; asst. prof, Arizona State, 62-65; BUS. ADMIN, ANDREWS, 65-66, ASSOC. PROF, 66- Internal auditor, Alachua County Bd. Pub. Instr, Fla, 60-62. Econ. Asn; Acad. Mgt; Nat. Asn. Bus. Econ. The economics of hospital care in the United States; improvement of hospital management. Publ: The demand for short-term general hospital care in the U.S. Proc. Managerial Econ. Seminar, Bridgeport, Conn, (in press). Address: Dept. of Business Administration, Andrews University, Berrien Springs, Mich. 49104.

PHILLIPS, PROF. HELEN U(PSON), b. Jamestown, N.Dak., Jan. 25, 02. SOCIAL WORK. A.B. Oberlin Col, 24; M.S.S.A. Western Reserve, 28; D.S.W. Pennsylvania, 56. Dir. girls' work, Univ. Neighborhood Centers, Cleveland, Ohio, 26-34; asst. dir, Neighborhood House, St. Paul, Minn, 34-36; from assoc. prof. to prof. directing concentration in soc. group work, SCH. SOC. WORK, PENNSYLVANIA, 43-67, EMER. PROF, 67- Lectr, Minnesota, 35-43. Group work consult, Phila. Soc. to Protect Children, 67- Publ: Essentials of social group work skill, Asn. Press, 57; Group services to clients: purpose and process, In: Group method and services in child welfare, Child Welfare League Am, 63; The teaching of group work theory in the field and practice in the class, J. Soc. Work Process, Vol. XVII, Univ. Pennsylvania, 68. Address: 1612 Pine St, Philadelphia, Pa. 19103.

PHILLIPS, DR. JAMES D(ICKENS), JR, b. Pittsburgh, Pa., Dec. 18, 32; m. 60. PHYSIOLOGICAL PSYCHOLOGY. B.A.(chem) & B.A.(psychol), Arizona, 56; M.S. Fla. State, 62; Ph.D.(psychol), La. State, 63. ASST. PROF. PSYCHOL, TEXAS, ARLINGTON, 62- AAAS. Psychochemistry; psychopharmacology; neuropsychology; endocrines and behavior. Publ: The reinforcing property of an aversive stimulus, Dissertation Abstracts, 63; The cool threshold on four body areas, 63 & Black-white visual discrimination in the Amazon dolphin, 64, (abstracts), Am. Psychologist. Address: Dept. of Psychology, University of Texas, Arlington, Tex. 76010.

PHILLIPS, JANE, b. Columbia City, Ind. PSYCHOLOGY. B.A. Northwestern, 21, M.A. 45. Dir. employ. counseling, Ed Schuster & Co, 45-49; asst. dean students, Coe Col, 49-51; asst. to personnel dir. in charge of personnel res. & prog. develop, Abbott Labs, 51-55; field supvr. VOL. SERV. STATE DEPT. MENT. HEALTH, ILL, 55-59, acting chief, 59-60, CHIEF, 60- Lectr, Northwestern, 53-55; resource person, U.S. Jaycees Ment. Health & Ment. Retardation Seminar, Denver, Colo, 67; basic course vol. admin, Northeastern, 68. Consult, ad hoc cmt. citizen participation, Nat. Inst. Ment. Health, 66; cmt. consult, Vols. & Community Ment. Health Centers, Nat. Inst. Ment. Health, 68. Psychol. Asn; Asn. Vol. Serv. Coordinators (v.pres, 63-65, pres, 65-69). Personnel administration applied in business, industry, education and coordinated volunteer services program at institutions of the Illinois Department of Mental Health; converting statistical reporting of volunteer services programs of seventeen mental health facilities to data processing for the purpose of measuring community involvement via volunteers. Publ: How Abbott solves shortage of office applicants, Am. Bus. Mag; New employee, Indust. Photog; Audio-visual program helps tell hospital story, J. Am. Hosp. Asn. Address: 570 Lyman Court, Highland Park, Ill. 60035.

PHILLIPS, PROF. J(EWELL) C(ASS), b. Eldorado, Okla., Oct. 8, 00. POLITICAL SCIENCE. A.B. Oklahoma, 21, A.M. 29; Ph.D. Pennsylvania, 35. Instr. govt, Oklahoma, 28-30; polit. sci, PENNSYLVANIA, 30-37, asst. prof, 37-

45, mem. res. staff, inst. local & state govt, 37-38, assoc. prof. POLIT. SCI, 45-53, prof, 53-67, EMER. PROF, 67- Vis. prof, Bombay, 64-65; New Mexico, 67-68. Chmn, Citizenship Clearing House, 53-55. Growth and development of the commerce power; legal position of local units of government in Pennsylvania; operation of the council-manager plan in Oklahoma cities. Publ: Municipal government and administration in America; co-auth, Essentials of American government, 2nd ed, Am. Book Co, 66. Address: Dept. of Political Science, University of New Mexico, Albuquerque, N.Mex. 87106.

PHILLIPS, PROF. JOHN L(AWRENCE), JR, b. Portland, Ore., July 31, 23; m. 45; c. 2. PSYCHOLOGY. B.A. Reed Col, 48, M.A. 49; fel. & Ph.D.(ed. psychol), Utah, 53. Dir. guid. & instr. psychol, Carbon Col, 53-54; instr. ed. psychol, Utah, 54; chmn. dept. psychol. & dir. student personnel serv, BOISE COL, 54-57, dean students, 57-59, chmn. div. soc. sci, 59-68, PROF. PSYCHOL. & CHMN. DEPT, 68- Field assoc, Am. Col. Testing Prog. Chmn, Bd. Psychologist Exam. U.S.A.A.F, 43-45. AAAS. Educational psychology; history and systems. Publ: The ontogenesis of cognitive structure, Boise Col, 66; Perception in number skills, a study in tachistoscopic training, J. Ed. Psychol, 12/54; co-auth. Freedom, determinism, and counseling psychology, J. Counseling Psychol, 5/68. Address: 3233 Edson Dr, Boise, Idaho 83705.

PHILLIPS, PROF. JOSEPH D(EXTER), b. Buena Park, Calif., Dec. 5, 14; m. 38; c. 5. ECONOMICS. A.B. California, 37; Soc. Sci. Res. Coun. field fel, 41; univ. fel, Columbia, 40-41, Ph.D.(econ), 51. Sr. labor economist, War Shipping Admin, 42-44; asst. prof. econ, Wesleyan, 46-49; lectr, Santa Barbara Col, 49-51; assoc. prof, Champlain Col, 51-53; prof. bus. & econ, Idaho State Col, 53-56; RES. PROF, BUR. ECON. & BUS. RES, ILLINOIS, URBANA, 56- Soc. Sci. Res. Coun. demobilization award, 46. U.S.A. 45. Econ. Asn; Econ. Hist. Asn. Industrial organization; international economics; economic history. Publ: Little business in the American economy; Foreign trade in the Pacific area, Econ. Surv. Pac. Area; Labor's share and wage parity, Rev. Econ. & Statist. Address: Bureau of Economic & Business Research, 428 David Kinley Hall, University of Illinois, Urbana, Ill. 61801.

PHILLIPS, DR. LOREN D(UGLAS), b. Upper Lake, Calif., Aug. 25, 16; m. 40; c. 3. AGRICULTURE. B.S. California, 39, M.Ed, 47; Utah State Agr. Col. 46; Ed.D. California, Los Angeles, 53. Teacher, high schs, Calif, 40-44; assoc. prof. agr. & head dept, Mt. San Antonio Col, 47-50; asst. prof. agr. & crops farm mgr, Calif. State Polytech. Col, 51-53; assoc. prof. agr, Chico State Col, 53-59, prof, 59-65, coord, 53-65; V.PRES, SHASTA COL, 65-, ASST. DIST. SUPT, SHASTA-TEHAMA-TRINITY JOINT JR. COL. DIST, 65- Mem. accrediting cmn. sec. schs, West. Asn. Schs. & Cols, 65- U.S.N.R. 44-46, Lt.(jg). Administration and agricultural education on junior college and four-year college levels, especially curriculum and administration; surveys in rural education and sociology. Address: Shasta College, Old Oregon Trail at Hwy. 299E, Redding, Calif. 96001.

PHILLIPS, DR. M(ARGARET) JEAN, b. July 17, 26; m. 46; c. 2. EDUCATIONAL PSYCHOLOGY. Nat. Defense Ed. Act fel, Wyoming, 59-62, M.A. 61, Ph.D. 62. Teacher, high sch, Wyo, 54-59; ASST. PROF. ED. PSYCHOL, ILLINOIS, URBANA, 62-, ASST. DIR. UNIV. HONORS PROGS, 65- Mem. exec. cmt, Nat. Collegiate Honors Coun, 68-71. Psychol. Asn; Personnel & Guid. Asn; Asn. Counsr. Ed. & Supv. Counselor education; cognitive and non-cognitive factors affecting achievement and attrition of superior college students. Publ: Ed. Index of honors programs in American colleges and universities, Stipes, 67; auth, Selection of honors students: science or shamanism, J. Higher Ed, 68. Address: 1205 W. Oregon, Urbana, Ill. 61801.

PHILLIPS, PROF. MARION, b. Tulsa, Okla., Oct. 17, 20; m. 42; c. 1. MARKETING, ECONOMICS. B.S. Tulsa, 48; M.B.A. Oklahoma, 50, Ph.D.(econ). 59. Assoc. prof, MKT, OKLAHOMA, 54-64, PROF, 64- U.S.A. 40-45, Res. 46-, Lt. Col. Mkt. Asn. Industrial development. Address: Dept. of Marketing, University of Oklahoma, Norman, Okla. 73069.

PHILLIPS, REED A(LFRED), b. Provo, Utah, Mar. 27, 09; m. 33; c. 1. AGRICULTURAL ECONOMICS. B.S. Brigham Young, 31, M.S. California, 42. Mkt. specialist, Off. Price Admin, 42; agr. econ. statistician, bur. agr. econ. U.S. DEPT. AGR, 44-47, livestock mkt. economist, 49-50, chief prog. anal. livestock div, agr. mkt. serv, 50-57, asst. to econ. adv, U.S. Secy. Agr, 57-60, asst. to dep. adminstr, AGR. STABILIZATION & CONSERV. SERV, 61-62, AGR. ECONOMIST, POLICY & PROGS. APPRAISAL DIV, 62- Prof. New castle, 63-64. Dir. res, Longstreet-Abbott & Co, 58; agr. economist, Govt. of Tunisia, N.Africa, 66 & Govt. Kenya, E.Africa, 66-68. U.S.N. 43, Lt.(jg). Agr. Econ. Asn; Statist. Asn. Marketing and price analysis; agricultural policy; livestock products and feeds. Publ: Livestock and meat situation; Feed situation. Address: 2127 N. Hollister St, Arlington, Va. 22205.

PHILLIPS, DR. RICHARD, b. New Sharon, Iowa, Sept. 13, 23; m. 45; c. 5. AGRICULTURAL ECONOMICS. B.S. Iowa State, 48, M.S. 49, Ph.D.(agr. econ), 52. Asst. exten. serv, Mahakasa County, 46-47; vet. instr. voc. agr, Mingo Consol. Sch, 47-49; assoc. agr. econ, Iowa State, 49-51, asst. prof, 51-55, assoc. prof, 55-59, prof, 59-62; dir. mgt. serv. & overseas develop. AGR. RES. DIV, DUNLAP & ASSOC, INC, 62-65, V.PRES, 65- Dir. mgt. training progs. for execs. & employees agr. bus, 52-; econ. anal. mkt. facilities, Argentina, Uruguay, Egypt, Syria, Ivory Coast & Ghana, 60-65; mem. faculty & mgt. cmt, Midwest Feed Prod. Sch, Kansas City, 61-62; dir. econ. anal. agr. land & water resource develop. projs, Mid. East, Far East, Africa & Latin America, 62- Econ. consult, Weitz Hettelsater Eng. Kans, 59-62; Int. Coop. Admin, Nigeria, 60; land grant consult, Am. Inst. Coop, D.C. 60-62; U.S. Dept. Agr. consult, Purdue, 61-62. Contrib. ed, Farm Store Merchandising, 58-; Miller Pub. Co, Minn, 58-62. Mem. ed. adv. cmt, Chicago Bd. Trade, 52-54, chmn, 54. U.S.N.A.F, 43-46. Agr. Econ. Asn. Economic feasibility studies; market demand analysis; organization and management of agricultural firms; grain marketing and processing; agricultural cooperatives; computer studies. Publ: Managing for greater returns in businesses serving agriculture, Agri. Res. Inc, rev. ed, 62; Costs of manufacturing and distributing feeds in the Midwest; Economic nature of cooperative associations, J. Farm Econ. Address: Agri. Research Division, Dunlap & Associates, Inc, Box 727, Manhattan, Kans. 66503.

PHILLIPS, DR. RICHARD H(ART), b. Atlanta, Ga, June 23, 22; m. 45; c. 5. PSYCHIATRY. B.S. North Carolina, 44; M.D. N.Y. Univ, 45; Duke, 49-51. Intern med, U.S. Naval Hosp, Camp Lejeune, N.C. 45-46; resident, Harrisburg Hosp, Pa, 48; psychiatrist, Duke Univ. Hosp, 49-50, chief resident, 50-51; ward psychiatrist, Vet. Admin. Hosp, Wilmington, Del, 52-53; asst. prof. PSYCHIAT. STATE UNIV. N.Y. UPSTATE MED. CENTER, 53-57, ASSOC. PROF, 57- Lectr, postgrad. prog, N.Y. State Dept. Ment. Hyg, 58-60. Assoc. psychiatrist, Syracuse Mem. Hosp, 54-; attend. psychiatrist, Vet. Admin. Hosp, Syracuse, 54-; consult. psychiatrist, Syracuse Psychiat. Hosp, 55-; Peace Corps, 62- Dipl. Am. Bd. Psychiat. & Neurol, 54. Med.C., U.S.N.R. 43-48, Lt.(jg). Fel. Psychiat. Asn; Acad. Psychother. Psychological aspects of environmental mastery, dreams and childrens games; creativity in art, music and literature. Publ: The nature and function of children's formal games, *Psychoanal. Quart*, 60; Environmental mastery and personality development, *Arch. Gen. Psychiat*, 8/61; Delinquent behavior as a bankruptcy phenomena, In: *Proceedings of the Third World Congress of Psychiatry*, Univ. Toronto & McGill, 63. Address: 750 E. Adams St, Syracuse, N.Y. 13210.

PHILLIPS, DR. ROBERT R(ICHARD), b. Peru, Ill, May 29, 25; m. 52; c. 1. CLINICAL PSYCHOLOGY. B.S. Illinois, 50; Ph.D.(psychol), Washington (St. Louis), 55. Clin. psychologist, ment. hyg. clin, Vet. Admin. Hosp, 54-60; dir, dept, pupil serv, Pub. Sch. Syst, 60-64; CLIN. PSYCHOLOGIST, OKLA. CITY PSYCHIAT. CLIN, 64- Vis. lectr, sch. med, Oklahoma, 60- Consult. psychologist, State of Okla. Voc. Rehab. Dept. U.S.A.A.F, 43-45, 2nd Lt. Psychol. Asn. Individual and group psychotherapy and psychodiagnostic evaluation. Address: 912 N.W. 57th St, Oklahoma City, Okla. 73118.

PHILLIPS, DR. SIDNEY H(AZEN), b. Boston, Mass, Oct. 15, 18; m. 46; c. 3. BUSINESS ADMINISTRATION, BUSINESS MANAGEMENT. B.A. Dartmouth Col, 40; M.A. Stevens Inst. Tech, 48; Ford Found. Econ. Ed. fel, 50; Ph.D. (mgt. statist, econ), N.Y. Univ, 58. Job. eval. analyst & time study eng, West. Elec. Co, N.J. 41-47; instr, Rutgers, 47-51; asst. prof, Lehigh, 51-52; mgt. consult. Bruce Payne & Assocs, Inc, 52-54; Ebasco Serv, Inc, 54-56; ASSOC. PROF. prod, Northwestern, 56-60; prod. mgt, Syracuse, 60-65; MGT, Merrimack Col. 65-67; NORTHEASTERN, 67- Adv. mgt, Southern California prof, inst. bus. admin, Karachi, 62-64. U.S.N. 43-47, Lt.(jg). Soc. Adv. Mgt; Inst. Indust. Eng; Acad. Mgt; Methods-Time Measurement Asn. for Standards & Res. Production management; general management; work measurement; quality control. Publ: Case book on performance standards, Northwestern, 59; Production management, text and cases, Univ. Karachi, Pakistan, 64; co-auth, Self-development training for foreman, a program for participation and motivation, *Personnel J*, 10/62. Address: Northeastern University, 306 Huntington Ave, Boston, Mass. 02155.

PHILLIPS, PROF. TRAVIS D(ENTON), b. Calhoun City, Miss, Feb. 4, 31; m. 52; c. 3. AGRICULTURAL ECONOMICS. B.S. Miss. State, 54, M.S. 55; Ph.D.(agr. econ), N.C. State Col, 60. Asst. prof. AGR. ECON, Miss. State, 55-56; asst. N.C. State Col, 56-59; asst. prof, MISS. STATE, 59-60, assoc. prof, 60-63, PROF, 63- U.S.A. 51-52, Sgt. Agr. Econ. Asn. Agricultural marketing research; research and teaching aspects of research methodology using econometric techniques. Publ: Co-auth, A spatial and seasonal analysis of corn prices in North Carolina, N.C. Agr. Exp. Sta, 11/62; aut, Efficiency of soybean movements in the South, 1959-1960, *South. Coop. Series* 95, 11/64; co-auth, Cost and returns from drylot feeding of cattle in Mississippi, *Miss. Agr. Exp. Sta*, 11/66. Address: Dept. of Agricultural Economics, Mississippi State University, State College, Miss. 39762.

PHILLIPS, PROF. WILLIAM G(REGORY), b. Brantford, Ont, Dec. 3, 21; m. 50; c. 4. ECONOMICS. B.A. Toronto, 44, M.A. 47, Ph.D.(econ), 53. PROF. ECON, WINDSOR, 50-, HEAD DEPT, 53-, ASSOC. DEAN ARTS & SCI, 64- Econ. adv. to President Kaunda, Zambia, 66-67. Econ. Asn; Can. Econ. Asn. Industrial organization; labor economics; economic development. Publ: Agricultural implement industry; Combines policy: mergers, *Can. Bar Rev*, 3/64; Farm machinery industry, In: *Market structure in the agricultural industries*, Iowa State Univ, 66. Address: Dept. of Economics, University of Windsor, Windsor, Ont, Can.

PHILLIPS, DR. WILLIAM TAYLOR, b. Washington, D.C, July 17, 09; m. 31; c. 2. INTERNATIONAL ECONOMICS. A.B. Allegheny Col, 31; N.Y. Univ, 32-35; Ph.D.(econ), Cornell, 41. Instr. econ, Cornell, 38-40; asst. prof, New Hampshire, 40-42; economist, U.S. Dept. State, 43-48, dep. coordinator, for. aid prog, 48-49; prof. int. econ, Hopkins, 49-63, co-dir. Center for South. Asian Studies, 54-56; ECON. ADV. GOVT. OF MALAYSIA, 63- Dir. security & mkt. policy, President's Mat. Policy Cmn, 49-50; inst. develop. prog, Int. Coop. Admin, 58-61, ed. consult, Burma, 59-60. Adv. Nat. War Col, 49-51. Consult, Ford Found, 60-61. Mem, President's Task Force, For. Trade Policy, 60. Econ. Asn; Soc. Int. Develop; Coun. For. Rels. Training for overseas service; international commodity problems; economic development problems. Address: 49 Jalan Carruthers, Kuala Lumpur, Malaya.

PHILLIPS, PROF. YVONNE, b. Newellton, La, Jan. 6, 26. GEOGRAPHY, ANTHROPOLOGY. B.A. Northwest. State Col.(La), 47; M.A. La. State, 51, Ph.D.(geog), 53. Instr. soc. sci, NORTHWEST. STATE COL.(La), 47-49, asst. prof. GEOG. & SOC. SCI, 51-53, assoc. prof, 54-58, PROF, 58-, DIR. LA. STUDIES INST, 67-, head dept. soc. sci, 54-67. Founder & ed, La. Studies. Asn. Am. Geog; Am. Geog. Soc. Louisiana geography and history; developing, directing educational tours; interdisciplinary social science courses; Anglo-American and Latin-American geography. Publ: An introduction to the social sciences, Edwards Bros, Vols. I & II, 61; Salt production and trade in North Louisiana before 1870, 62 & Harrisonburg and Feriday: views from the past, 66, La. Studies. Address: Louisiana Studies Institute, Northwestern State College, Natchitoches, La. 71457.

PHIPPS, PROF. GRANT T(HOMAS), b. Alta, Dec. 14, 20; m. 44. PSYCHOLOGY. D.D.S. Alberta, 43, B.Sc. 55; M.S. Washington State, 56; Ph.D.(psychol), Pa. State, 59. Private practice, 46-54; asst. psychol, Alberta, 54-55; Pa. State, 57-58, counser, div. counseling, 58-59; assoc. prof. dent. psychol, sch. dent, Pittsburgh, 59-63, PROF, 63-64; BEHAV. SCI. SCH. DENT, STATE UNIV. N.Y. BUFFALO, 64- Consult, Nat. Inst. Cent. Res, 61. Mem.

training grant cmt, Nat. Inst. Dent. Res, 64-67, chmn, 67- Can.Dent.C, 42-46, Capt. Fel. AAAS; Psychol. Asn; Int. Asn. Dent. Res. Behavioral sciences in dentistry; principles of learning theory in higher education; psychometrics; psychological stress. Publ: Anxiety and dental caries, *J. Dent. Res*; Psychosocial aspects of cleft palate, *Am. Speech & Hearing Asn. Report Number* 1, 65; co-auth, Prediction of success in a dental assisting program, *J. Dent. Ed*, 65. Address: School of Dentistry, State University of New York, Buffalo, N.Y. 14214.

PHOENIX, DR. CHARLES HENRY, *Physiol. Psychol, Anat*, see 11th ed, *Phys. & Biol. Vols*.

PHOTIADIS, PROF. JOHN D, b. Salonica, Greece, Nov. 23, 21; U.S. citizen; m. 54; c. 2. SOCIOLOGY. B.S. Salonica, 47; M.S. Cornell, 57, Ph.D.(sociol), 58. Assoc. prof. sociol, S.Dak. State, 58-62; head dept. rural sociol, Minnesota, 62-65; PROF. SOCIOL, WEST VIRGINIA, 65- Tenn. Valley Authority res. grant, 58-59; U.S. Dept. Agr. res. grants, 60-68; U.S. Dept. Labor res. grant, 67-68. Consult, various res. orgn. & progs, 58-67. Sociol. Asn; Rural Sociol. Soc. Changes in rural social institutions; religion; adoption of farm practices; business decline among small businessmen; alienation. Publ: Religiosity, education, ethnic distance, 62, Orthodoxy, participation authoritarianism, 63 & Overt conformity to university teaching, 65, *Am. J. Sociol*. Address: 87 King St, Morgantown, W.Va. 26506.

PHOTIAS, PROF. N(IKOS) G(EORGE), b. Corinth, Greece, July 20, 04; nat; m. 37; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. M.B.A. Handels-hochsch. of Koenigsberg, 25; M.Sc.Pol, Koenigsberg, 26, Ph.D.(econ), 27; LL.D. Berlin, 28. Asst. prof. bus. econ, Athens Grad. Sch. Econ, Greece, 29-35, assoc. prof. econ. & enterprise, 35-39, prof. bus. orgn. & mgt, 39-55, pres-chmn, senate, 52-53; vis. prof. econ. & bus. admin, AMERICAN UNIV, 49-54, PROF. BUS. ECON. & INT. BUS, 54-, ASSOC. DEAN & DIR. PH.D. PROG, 67-, asst. dean & dir, 60-67. Dir. Soc. Security Admin, Greece, 31-49; pres, For. Supply Admin, Athens, 45-46. Adv. Greek Del, UN, 47. AAAS; Econ. Asn; Sociol. Asn; Am. Acct. Asn; Greek Econ. Soc. Managerial economics and analysis. Publ: Treaty of business economics; System of direct taxation in Greece; Finances of local administrations. Address: 5161 Linnean Terr. N.W, Washington, D.C. 20008.

PIA, DR. JOHN JOSEPH, Ling, see 5th ed, *Dir. Am. Scholars*, Vol. III, For. Lang, Ling, & Philol.

PIATT, DAVID M(EYER), b. Columbus, Ohio, Oct. 22, 17. PSYCHOLOGY, PSYCHOMETRY. B.A. Southern California, 48, M.A. 51. Res. assoc. Psychol. Servs, Inc, 52-53; supvr, eng. tech. writing dept, Northrop Aircraft, Inc, 54-55, sr. engr. human factors, Radioplane Div, 55-57; from supvr. to tech. mgr, Litton Indus, Inc, 57-67; ASST. GEN. MGR, DALLONS INSTRUMENTS DIV, INT. RECTIFIER CORP, 67- U.S.A. 40, 43-46. Psychol. Asn. Human engineering design; advanced display development; manpower requirements; operational and systems analysis; communication theory; training and training aids analysis. Publ: Co-auth, Role of human engineering in the development of a weapon system. Address: 5918 Elba Place, Woodland Hills, Calif. 91364.

PICARD, ROBERT, S.J, b. Edmonton, Alta, Mar. 27, 05. EDUCATIONAL PSYCHOLOGY. B.A. Xavier Col.(Can), 23; Ph.D. Col. of Immaculate-Conception, Can, 29; dipl, Sorbonne, 40. Prof. natural sci, Xavier Col.(Can), 29-32; psychol, Col. Immaculate-Conception, 40-62, lectr. hist. psychol, psychol. inst, 48-57, pres, col, 57-62; LECTR. PSYCHOL, UNIV. COL. (QUE), 67- Psychol. Asn. Secondary and higher education; adolescent personality. Publ: With regard to humanities; Our education: what represents our B.A.? Address: 1855 E. Rachel St, Montreal 34, Que, Can.

PICCARD, PROF. PAUL J(ULES), b. Lausanne, Switz, Jan. 27, 24; nat; m. 47; c. 5. POLITICAL SCIENCE. B.A. Minnesota, 47, M.A. 48; fel, Texas, 49-52, Ph.D. 53. Vis. lectr. polit. sci, Alabama, 52-53; vis. prof. pub. admin, Fla. State, 53-54, vis. lectr. polit. sci, 54-56; mem. staff, State Citizens Tax Coun, 56-57; assoc. prof. GOVT, FLA. STATE, 57-63, PROF, 63- Vis. assoc. prof, California, Los Angeles, 59. U.S.A. 43-46. Polit. Sci. Asn. American government and politics; government and science. Publ: Documentary stamp taxes in Florida and insurance taxes in Florida; County citizen's tax counsils in Florida; Scientists and public policy; Los Alamos, August-November, 1945; West. Polit. Quart, 6/65. Address: Dept. of Government, Florida State University, Tallahassee, Fla. 32306.

PICCOLINO, DR. EDMUND BRUCE, b. Bronx, N.Y. Jan. 12, 41; m. 62. INDUSTRIAL PSYCHOLOGY. A.B. Bucknell, 62; M.A. Ohio, 64; Ph.D.(psychol), Ill. Inst. Tech, 66. CONSULT. PSYCHOL, ROHRER, HIBLER & REPLOGLE, NEW YORK, N.Y. 67- U.S.A. 65-67, Capt. Psychol. Asn. Personnel selection and placement; personnel. consumer and marketing research. Publ: Co-auth, The effects of alcohol on fear, *J. Quart. Studies Alcohol*, 8/64 & The product appraisal project: synopsis and taxonomy of research objectives, *U.S. Mil. Acad*, 8/66. Address: 23 Oakshade Ave, Darien, Conn. 06820.

PICK, DR. THOMAS MARK, b. Szeged, Hungary, Apr. 15, 25; m. 50; c. 3. PSYCHOLOGY. Dipl. soc. sci, Palatin Joseph Univ, Budapest, 46, Ph.D. (soc. sci), 47; dipl. psychol, Inst. Appl. Psychol, Zurich, 50; B.A. Melbourne, 53. Sr. tutor psychol, Melbourne, 53; guid. officer, Ed. Dept. Tasmania, Australia, 53-57; psychologist, Dept. Pub. Health, State of New South Wales, 57-62; from asst. prof. to ASSOC. PROF. PSYCHOL, OLD DOM. COL, 62- Clin. psychologist, 63- Hon. psychologist, (psychiat) prof. unit, Prince Alfred Hosp, Sydney, 61-62. Group Psychother. Asn; Brit. Psychol. Soc; Australian Psychol. Soc. Abnormal developmental psychology; family dynamics; psychotherapy; group psychotherapy. Publ: A critique of current methods of Rorschach scoring, *J. Proj. Tech*, 56; Behavior theory and child guidance, *J. Child Psychol. & Psychiat*, 61; Modern physics and psychology, *Brit. J. Med. Psychol*, 63. Address: Dept. of Psychology, Old Dominion College, Norfolk, Va. 23508.

PICKARD, DR. JEROME P(ERCIVAL), b. Chicago, Ill, June 18, 16; m. 42, 46; c. 4. ECONOMIC GEOGRAPHY. B.A. Wisconsin, 47, M.S. 49; univ. fel,

Syracuse, 49-50, Ph.D. 54; Fulbright scholar & Soc. Sci. Res. Coun. fel. Oslo, Norway, 50-51; hon. LL.D. Rollins Col. 68. Spec. writer & asst. to managing ed, New Century Cyclopedia of Names, 51-52; instr. Maryland, 52-53; prin. res. assoc. Homer Hoyt Assocs, 53-54; res. dir. econ. develop. cmt. Bd. Trade, D.C. 54-59; res. dir. Hammer & Co. Assocs, 59-60; Urban Land Inst, D.C. 60-67; DIR. PROG. ANAL. & EVAL. STAFF, U.S. DEPT. HOUSING & URBAN DEVELOP. D.C. 67- Prof. Lectr. American Univ. 66- Asn. Am. Geog. Pop. Asn; Am. Regional Sci. Asn. Urban and metropolitan development; urban land economics and research. Publ: Metropolitanization of the United States, 59, Taxation and land use in metropolitan and urban America, 66 & Dimensions of Metropolitanism, vol. 1, 67, vol. 2, 68, Urban Land Inst. Address: Office of the Deputy Under Secretary, U.S. Dept. Housing & Urban Development, Washington, D.C. 20410.

PICKERING, EDWARD JOHN, b. San Diego, Calif. Oct. 16, 27; m. 51; c. 2. PSYCHOLOGY. B.A. San Diego State Col. 51; M.A. Wayne, 53. Proj. dir. training res. dept. U.S. NAVAL PERSONNEL RES. ACTIVITY, 56-61, prog. dir. 61-64, DEPT. DIR. NAVY TRAINING RES. LAB, 64- U.S.A. 46-48, Sgt. Psychol. Asn. Educational and training research; improvement of training methods; use of diagnostic tests in evaluating training programs. Publ: Experimental investigation of Doppler training & co-auth. Modification of basic signalman training, Bur. Naval Personnel Tech. Bull. & A performance-oriented electronics technician training program: course development and implementation, Personnel Res. Activity Tech. Bull. 8/66. Address: 4343 Santa Cruz, San Diego, Calif. 92107.

PICKERING, RICHARD C(ARLYLE), b. Goshen, Ind. Dec. 19, 26. ECONOMICICS. A.B. Indiana, 48; M.A. Columbia, 49. Asst. bd. gov. Fed. Reserve Syst. 49-50; res. assoc. finance proj. Mayors Cmt. Mgt. Surv. N.Y. 50-52; economist, bd. gov. Fed. Reserve Syst. 53-64; FINANCIAL ECONOMIST, FED. HOME LOAN BANK BD, 64- U.S.A. 45-46. Econ. Asn; Finance Asn; Nat. Tax Asn. Capital markets; financial institutions; taxation. Address: Federal Home Loan Bank Board, Office of Research & Home Finance, Room 770, Washington, D.C. 20552.

PICKETT, DR. BETTY HORENSTEIN see HORENSTEIN, DR. BETTY RUTH, Psychol, 10th ed, Phys. & Biol. Vols. Latest known address: Cognition & Learning Section, Behavioral Sciences Research Branch, National Institute of Mental Health, Bethesda, Md. 20114.

PICKETT, PROF. R(ALPH) H(ALL), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

PICKETT, PROF. RALPH R(USSELL), b. Mercer, Mo. Apr. 1, 98; m. 28. ECONOMICS. A.B. Mo. Wesleyan Col. 19; A.M. Chicago, 24, Ph.D.(econ. & bus), 30. Asst. Chicago, 23-24, 27-29; asst. prof. bus. admin. Baker, 24-26; Des Moines, 26-27; prof. commerce & head dept. Kans. State Teachers Col.(Emporia), 29-46; PROF. FINANCE, KENTUCKY, 46- Summers, vis. prof. Harvard, 36; City Col. New York, 40; Southern Illinois, 46; Am. Securities Bus. fel. 54. Consult. Kans. City Life Ins. Co. 54-55; Cincinnati Soc. Financial Analysts. U.S.A.A.F. 42-45. Econ. Asn; Finance Asn. Investment analysis. Publ: Co-auth. Investment principles and policy; auth. Federal reserve bank policy in Iowa; Size of failed national banks. Address: College of Business & Economics, University of Kentucky, Lexington, Ky. 40502.

PICKETT, DR. RONALD M. b. North Troy, N.Y. Feb. 28, 33; m. 63; c. 2. PSYCHOLOGY. B.A. Dartmouth Col. 54; M.A. Michigan, 59, Ph.D.(psychol), 62. Res. fel. psychol. Michigan, 60-61; asst. prof. psychol. & assoc. dir. behav. res. lab. Antioch Col. 61-64; res. assoc. exp. psychol. sch. pub. health, Harvard, 64-67, ASST. PROF. EXP. PSYCHOPHYSIOL, 67- Ord.C. U.S.A. 55-57, Lt. Psychonomic Soc. Sensation and perception of light; pattern recognition; texture perception; visual perception of substance and structure; search and vigilance. Publ: The perception of a visual texture, J. Exp. Psychol. 64; Response latency in a pattern perception situation, Acta Psychologica, 67; Perceiving visual texture: a literature survey with remarks on the theory and application of man as a pattern perceiver, Aerospace Med. Res. Lab. Tech. Documentary Report, 5/68. Address: School of Public Health, Harvard University, 665 Huntington Ave, Boston, Mass. 02115.

PICKLESIMER, DR. P(ARNELL) WILSON, Geog, see 10th ed, Soc. & Behav. Vols. Latest known address: 4140 Sunset Rd, San Diego, Calif. 92103.

PICKREL, DR. EVAN W. b. York, Nebr. Oct. 2, 21; m. 43; c. 3. PSYCHOLOGY. A.B. York Col. 47; M.A. Nebraska, 50; Ph.D.(ed. psychol), Texas, 53. Supvr. instrument develop. sec. prediction res. br. personnel res. lab. Air Force Personnel & Training Res. Center, Lackland Air Force Base, Tex. 48-58; Rand Corp. 58-60; CHIEF SYSTS. BR. LIFE SCI. SECT. MISSILES & SPACE DIV, McDONNELL DOUGLAS CORP. 61- Nat. Sci. Found. Am. Psychol. Asn. vis. lectr. 63. U.S.N.R. 42-45, Lt. AAAS; fel. Psychol. Asn. Operations research; developing and manipulating abstractions of man-machine systems for prediction and control; determining personnel subsystem requirements; developing measures for selection and classification. Publ: Classification theory and techniques; J. Ed. & Psychol. Measurement; Logistics and maintenance, In: Ground support systems for missiles and space vehicles; Personnel requirements, In: Space logistics. Address: 1829 Tahiti Dr, Costa Mesa, Calif. 92626.

PICKUP, PROF. RUTH C. b. Gowanda, N.Y. Aug. 9, 18. BUSINESS ADMINISTRATION. B.S. Northwestern, 40; M.Ed. Buffalo, 49; Mich. State, 63-65. Acct. Socony Vacuum Oil Co. Ill. 40; Peter Cooper Corp. N.Y. 40-42; teacher, high sch. N.Y. 42-43, 45-46; Fla. 43-45; acct. Starr Pub. Accts. Calif. 45; mem. dept. bus. admin. Mohawk Col. 46-48; PROF. Bowling Green State, 48-51; ACCT. FLINT COMMUNITY JR. COL. 51- Teacher, Air Force Tech. Training Sch. 50-51; Mott Found. Adult Ed. Prog. Mich; mem. labor standards dept. Fisher Body Tank Plant. Student mortality at Mohawk College and the related sociological and academic factors. Publ: Co-auth. College business mathematics. Address: Dept. of Accounting, Flint Community Junior College, 1401 E. Court St, Flint, Mich. 48503.

PICO, DR. RAFAEL, b. Coamo, P.R. Dec. 29, 12; m. 38; c. 2. GEOGRAPHY. A.B. Puerto Rico, 32; A.M. Clark, 34, Ph.D.(geog), 38, LL.D. 62; LL.D.

Eastern Michigan, 62; Dr. Litt. Cath. Univ. P.R. 66. From instr. to asst. prof. geog. Catholic Univ. 38-40; lectr. Hispanic-Am. Inst. Florida, 40; assoc. prof. Puerto Rico, 40-42, prof. 43, lectr. 46, 48; chmn. P.R. Planning Bd. 42-55; secy. treas. Puerto Rico, 55-58; chmn. bd. dirs. 53-58, pres. Govt. Develop. Bank P.R. 58-64; senator-at-large, Commonwealth of P.R. 64-68; V.CHMN. BD. DIRS. BANCO POPULAR DE P.R. 65- Planning expert, UN Tech. Assistance Mission, Peru, 52; discussion leader, UN Regional Seminar Int. Fedn. Housing & Town Planning Conf, India, 54. Consult. P.R. Reconstruct. Admin. 35-36; UN Tech. Assistance Admin. S.Am. 55; adv. Govt. of Repub. Honduras, 57; Govt. of Venezuela, 58; Govts. of Cuba & Columbia, 59. Chmn. Finance Coun. P.R. 56-58, mem. 58-64; participant, White House Conf. For. Aspects U.S. Nat. Security, D.C. 58; mem. bd. dirs. Nat. Housing Conf, 59-65; mem. bd. trustees, Antioch Col. 60-66. Univ. P.R. rep. Pan-Am. Inst. Geog. & Hist. D.C. 35; P.R. del. W.Indian Conf. B.W.I. 44, Virgin Islands, 46; Caribbean Cmn. Conf. D.C. 46; P.R. rep. Conf. Experts Trop. Housing, Venezuela, 47; spec. econ. rep. to President Kennedy in Dominican Repub. 62; consult. Dominican Repub. on private develop. finance co. 64-65. AAAS; Asn. Am. Geog; fel. Geog. Soc; Geophys. Union; Soc. Agr. Sci; Coun. Geog. Ed; Inst. Planners; Geog. Soc. P.R.(pres, 47). Economic geography of West Indies and Caribbean America; fiscal and economic planning of Puerto Rico. Publ: Geografía de Puerto Rico part I: geografía física de Puerto Rico, part II, Geografía económica; Planificación y acción. Address: Banco Popular de Puerto Rico, P.O. Box 2708 GPO, San Juan, P.R. 00936.

PIEDMONT, DR. EUGENE BERNARD, b. Holley, N.Y. June 29, 32; m. 52; c. 5. SOCIOLOGY. B.S. State Univ. N.Y. 56; M.A. Rochester, 59; Nat. Inst. Ment. Health fel. Buffalo, 60-62, Ph.D.(sociol), 62. Instr. sociol. Buffalo, 58-62; asst. prof. sociol. sch. med. & dept. sociol. State Univ. N.Y. Buffalo, 62-63; asst. prof. psychiat. sch. med. & lectr. sociol. dept. sociol. Virginia, 63-64; asst. prof. SOCIOL. MASSACHUSETTS, AMHERST, 65-68, ASSOC. PROF. 68-, prin. investr. faculty res. grant, 66-67, labor rels. & res. center grant, 66-67. Nat. Inst. Ment. Health fel. soc. sci. inst. Washington (St. Louis), 64-65; sociol. consult. on U.S. Pub. Health Serv. grant, Franklin County Pub. Hosp. Greenfield, Mass. 65-66; prin. investr. & res. dir. U.S. Pub. Health Serv. grant, 66-67. Fel. Sociol. Asn; Soc. Study Social Probs. Medical sociology. Publ: Ethnicity as a variable in mental disorder research, Community Ment. Health J. spring 65; Ethnic differences in schizophrenic development, Psychiat. Quart. 10/66; Referrals and reciprocity: psychiatrists, general practitioners, and clergymen, J. Health & Soc. Behav. 3/68. Address: Dept. of Sociology, University of Massachusetts, Amherst, Mass. 01002.

PIEDRA, DR. ALBERTO M. b. Havana, Cuba, Jan. 29, 26; m. 55; c. 5. ECONOMIC DEVELOPMENT. B.S. Col. Belen, Havana, 46; LL.D. Havana, 51; Dr. Econ. Madrid, 57; Ph.D.(econ), Georgetown, 62. Instr. Spanish, Georgetown, 56; prof. econ. Villaneuva, 58-59; dir. gen. exports & imports, Ministry Commerce, Cuba, 59; staff economist, dept. econ. affairs, Orgn. Am. States, D.C. 60-62; ASST. PROF. ECON. CATHOLIC UNIV. 62- Lectr. Wash. Int. Center, 63- Tech. asst. dept. econ. develop. Nat. Econ. Coun. Cuba, 58-59; dir. Latin Am. Inst. 65- Econ. Asn; Polit. Sci. Asn. Development; Latin American economics; money and banking. Publ: The Cuban case: history repeats itself, Cath. Ed. Rev. 5/67; Posibles vias de ayuda exterior, Nuestro Tiempo, Univ. Navarra, 68; The public sector within the Alliance for Progress, Miss. Bus. Rev. 3/68. Address: Dept. of Economics, Catholic University of America, Washington, D.C. 20017.

PIEKALKIEWICZ, DR. JAROSLAW ANDRZEJ, b. Poznan, Poland, July 24, 26; m. 57; c. 2. POLITICAL SCIENCE. B.A. Trinity Col.(Dublin) 58; fel. Indiana, 60-61, Ford Found. fel. 61-63, Ph.D.(govt) & cert. Russian & E-European inst. 63. Lectr. govt. Indiana, 63; asst. prof. POLIT. SCI. KANSAS, 63-68, ASSOC. PROF. 68-, asst. dir. Slavic & Soviet area studies center, 66-67. Consult. Thailand Rural Community Action Prog. Peace Corps, Missouri, summer 66; India Food Prod. Prog. fall 66. Participant exchange with Czech, Inter-Univ. Cmt. Travel Grants, 68-69. Polish Underground Army, 41-44; Prisoner of War, Germany, 44-45; Polish Corps, Brit. Army. 45-48, Res. 48-53, 2nd Lt; Cross of Valor, Poland, 44. Polit. Sci. Asn; Asn. Adv. Slavic Studies; Acad. Polit. & Soc. Sci. Political systems of East Central Europe; communist local government; application of the input-output analysis to the communist political systems; organizational patterns of the communist guerrilla warfare. Publ: Communism viewed from below—a case study of Polish local government, Univ. California, 69; Die Polnischen Verwaltungsstrafkollegien, Osteuropa-Recht, 66; Polish administrative law, In Polish Law, Mouton, 68. Address: Dept. of Political Science, University of Kansas, Lawrence, Kans. 66044.

PIEKARZ, PROF. JOSEPHINE A(NNE), Psychol, see IVES, PROF. JOSEPHINE PIEKARZ.

PIEKARZ, DR. R(OLF) R(UDOLF), Econ, see 10th ed, Soc. & Behav. Vols.

PIELEMEIER, PAUL W(ALTER), b. Freelandville, Ind. Jan. 22, 11. EDUCATION. B.S. Ind. State Teachers Col. 34, M.S. 40; Butler, 49-50. Teacher, high sch. Knox Co. Ind. 35-39; reporter, Vincennes Post, 40-41; soc. worker, Dept. Pub. Welfare, Vincennes, Ind. 41-42; training officer, Vet. Admin. Indianapolis, 46-47; TESTING OFFICER & COUNSR. IND. CENT. COL. 47- U.S.A. 42-45. Address: 3905 Carson Ave, Indianapolis, Ind. 46227.

PIELSTICK, DR. N(ORVAL) L(EE), b. Wray, Colo. June 14, 25; m. 52; c. 3. PSYCHOLOGY. B.A. Linfield Col. 48; M.S. Washington State, 51; Ph.D. Illinois, 59. Sch. psychologist, pub. schs. Wash. 56-59; ASSOC. PROF. PSYCHOL. NORTHERN ILLINOIS, 59- Proj. dir. gifted child proj. De Kalb County Schs. 59-62; U.S. Off. Ed. res. grant, 63-64; vis. assoc. prof. Georgia, 67-68. U.S.N.R. 43-46, Lt.(jg). Psychol. Asn; Coun. Except. Children. School psychology; gifted children and educational provisions for them; creativity and curiosity and the factors related to these characteristics; exploratory behavior in children. Publ: Perception of mentally superior children by their classmates, Perceptual & Motor Skills, 63; co-auth. Exploratory behavior and curiosity in two age and ability groups of children, 64 & Exploratory behavior in children, 22: 515-531, Psychol. Reports. Ad-

- dress: Dept. of Psychology, Northern Illinois University, De Kalb, Ill. 60115.
- PIEPENBURG, DR. WILLARD WARREN, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- PIEPER, DR. W(ALTER) A(LAN), b. Colorado Springs, Colo, Sept. 16, 34; m. 56; c. 2. PSYCHOLOGY. A.B. Fresno State Col, 59, M.A., 61; Ph.D. (psychol), Missouri, Columbia, 64. Asst. prof. exp. psychol, Fresno State Col, 63-66; Nat. Inst. Ment. Health spec. res. fel, Wisconsin, 66-68; PSYCHOBIOLOGIST, YERKES REGIONAL PRIMATE RES. CENTER, EMORY, 68. U.S.A.F. 54-58, S/Sgt. AAAS; Psychol. Asn.; Psychonomic Soc. Experimental psychology with emphasis on learning; motivation and development and its relation to psychoendocrinology. Publ: Co-auth, Acquisition of instrumental response as a function of incentive contrast, 62 & Differential acquisition of an instrumental response in albino and hooded rats, 62, Psychol. Reports; Effects of within-session contrast on instrumental acquisition and performance, J. Exp. Psychol, 63. Address: Yerkes Regional Primate Research Center, Emory University, Atlanta, Ga. 30322.
- PIERCE, PROF. ALBERT, b. Mt. Vernon, N.Y., June 17, 17; m. 44; c. 3. SOCIOLOGY. A.B. Bates Col, 39; Iowa, 39-40; Sanger scholar, Harvard, 40-41, Paine fel, 42, A.M. 48, univ. fel, 48-49, Ph.D.(sociol), 50. Instr. sociol. & soc. insts, California, 49-52; assoc. prof. SOCIOL, Bucknell, 52-56, prof, 56-58; assoc. prof, SAN FERNANDO VALLEY STATE COL, 58-61, PROF, 61- Nat. Sci. Found. fel, 63-64. U.S.N. 42-47, Lt. Sociol. Asn. Sociological theory and methodology; computer assisted research; social statistics; social psychology. Publ: Empiricism and the social sciences, 4/56 & The economic cycle and the social suicide rate, 6/67, Am. Sociol. Rev.; Durkheim and functionalism, In: Emile Durkheim 1858-1917, Ohio State Univ. Press, 60. Address: Dept. of Sociology, San Fernando Valley State College, Northridge, Calif. 91324.
- PIERCE, DR. ALFRED E(UGENE), b. Milford Square, Pa, Nov. 21, 20; m. 46; c. 3. ECONOMICS. Ph.B. Muhlenberg Col, 42; M.A. Lehigh, 51; D.S.S. Syracuse, 56; Ford fel, Pennsylvania, 60. Instr. ECON, Chatham Col, 54-56, asst. prof, 56-57; ASSOC. PROF. LAFAYETTE COL, 57- Res. asst. soc, Pittsburgh, 58-60; Joint Planning Cmn, 64-67. Consult, Psychol. Serv. Pittsburgh, Pa, 56-57. U.S.A.A.F. 42-46. Econ. Asn. Entrepreneurial history; education. Publ: Ed. Boroughs reporter; Government price statistics: a review article, Am. Econ. Rev.; The administrative process, J. Hosp. Admin, winter 63. Address: Dept. of Economics, Lafayette College, Easton, Pa. 18042.
- PIERCE, PROF. BESSIE LOUISE, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- PIERCE, PROF. C(LARE) W(ILLIAM), b. Grand Valley, Pa, Nov. 24, 11; m. 33; c. 3. AGRICULTURAL ECONOMICS. B.S. Pa. State, 32; M.S. Maryland, 33; Ph.D.(mkt), Cornell, 37. Instr. AGR. ECON. PA. STATE, 37-38, asst. prof, 38-41, assoc. prof, 42-46, PROF, 47- Consult, Am. Guernsey Cattle Club, 50. Mem. Int. Conf. Agr. Econ; coordinator, South. Regional Dairy Mkt. Tech. Cmt, 49. Agr. Econ. Asn. Dairy marketing; pricing of milk; consumption; agricultural policy; milk marketing. Address: Weaver Bldg, Pennsylvania State University, University Park, Pa. 16801.
- PIERCE, DR. JAMES V(ARNES), b. Bangs, Tex, Mar. 7, 19; m. 42; c. 2. PSYCHOLOGY. B.A. Pepperdine Col, 48; M.A. Stanford, 50; Ph.D. Chicago, 60. Teacher, high sch, Calif, 49-51; intern psychother, counseling center, Chicago, 53-55, from instr. to asst. prof. psychol. & res. assoc. cmt. human develop, 56-61; asst. prof. PSYCHOL, Pepperdine Col, 55-56; from asst. prof. to ASSOC. PROF. CHICO STATE COL, 61- Consult, U.S. Off. Ed, 60. Mem. Quincy Youth Develop. Proj, Ill, 56-61. U.S.A.A.F. 42-45, Sgt. Psychol. Asn; Coun. Except. Children. Attributes which characterize high and low academic achievers at the secondary level; creativity and individualized learning. Publ: The bright achiever and under achiever: a comparison, In: London yearbook of education; Motivation patterns of superior high school students, Coop. Res. Monogr; Personality and achievement among able high school boys, J. Individual Psychol. Address: Division of Education & Psychology, Chico State College, Chico, Calif. 95926.
- PIERCE, PROF. JOE E, b. Chickasha, Okla, Apr. 30, 24; m. 44; c. 2. ANTHROPOLOGY. B.S. Oklahoma, 49; Bradley, 43-44; M.A. Indiana, 52, Ph.D. 57. Asst. prof. ling, Georgetown, 55-61; assoc. prof. ANTHROP, PORTLAND STATE COL, 61-64, PROF, 64- Nat. Sci. Found. grants, 63- Consult, med. sch, Oregon, 65- U.S.A. 42-46; Nat. Guard, 50-51, 2nd Lt. Anthrop. Asn; Ling. Soc; N.Y. Acad. Sci; Int. Soc. Appl. Ling. American Indian linguistics; English structure; general linguistic theory; basic literacy. Publ: Life in Turkish village, Holt, 64; A frequency count of Turkish works, Turkish Ministry Ed, 64; A linguistic method of teaching second languages, Pageant Press, 68. Address: 512 S.W. Maplecrest Dr, Portland, Ore. 97219.
- PIERCE, DR. JOHN F. JR, b. Knoxville, Tenn, Feb. 18, 35; m. 57. MANAGEMENT SCIENCE. S.B. Mass. Inst. Tech, 56, S.M. 57, Ph.D.(indust. mgt), 63; A.M. Harvard, 61. Res. asst, Mass. Inst. Tech, 56-57; appl. sci. rep, Int. Bus. Mach. Corp, 57-59, res. math, 61-63, proj. leader, 63-64, staff mem, 64-66; ASST. PROF. MGT, SLOAN SCH. MGT, MASS. INST. TECH, 66- Ord. C. U.S.A. Opers. Res. Soc. Am; Inst. Mgt. Sci; Asn. Comput. Mach; Statist. Asn. Computing; mathematics; economics. Publ: Some large scale production scheduling problems in the paper industry, Prentice-Hall, 64; ed, Operations research and the design of management information systems, Tech. Asn. Pulp & Paper Indust, 67; auth, A multi-item economic lot size problem, IBM Sys. J, 4/68. Address: Sloan School of Management, 50 Memorial Dr, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- PIERCE, KARLTON W(AYNE), b. Horatio, Ark, Oct. 11, 16; m. 38; c. 4. STATISTICS, ECONOMICS. B.S. Maryland, 37; George Washington, 38-39; American Univ, 39-42. Chemist, William E. Hooper & Sons Textile Co, 37-38; economist, U.S. Civil Aeronautics Authority, 38-39; statistician, U.S. Housing Authority, 40-42; dir. statist, aircraft & equip. div, off. statist.
- control, hqs, U.S. Army Air Force, 42-44, 45-46; supvr. statist. & admin. anal. sect, indust. rels. staff, FORD MOTOR CO, 46-50, mgr. indust. rels. anal. dept, 50-59, spec. proj. dept, 59-62, mgr. personnel benefits dept, PERSONNEL & ORGN. STAFF, 62-68, STATIST. PROJ. MGR, 68- U.S.M.C., 44-45, 1st Lt. Statist. Asn; Mgt. Asn. Address: Ford Motor Co, The American Rd, Dearborn, Mich. 48121.
- PIERCE, PROF. ROY, b. New York, N.Y., June 24, 23; m. 47. POLITICAL SCIENCE. B.A. Cornell, 47; M.A. 48, White fel, 48-49, Ph.D.(polit. sci), 50. Instr. govt, Smith Col, 50-51, asst. prof, 51-56; POLIT. SCI, MICHIGAN, 56-59, assoc. prof, 59-64, PROF, 64- Summers, lectr, Columbia, 59; Fulbright lectr, Nice, France, 60; vis. prof, Stanford, 66. U.S.A.A.F. 43-46, Sgt. Polit. Sci. Asn. French political thought and politics; comparative government and politics. Publ: Contemporary French political thought, Oxford Univ. Press, 66; French politics and political institutions, Harper, 68. Address: 211 McCotter Dr, Ann Arbor, Mich. 48103.
- PIERCE, PROF. WALTER HENRY, b. Hallsboro, N.C., Nov. 11, 15; m. 35; c. 3. AGRICULTURAL ECONOMICS. B.S. N.C. State Col, 36; Rockefeller Found. scholars, Minnesota, 47-48, 50-51, M.S. 48, Ph.D.(agr. econ), 53. Mem. staff, agr. exten. serv, U.S. Dept. Agr, N.C. 36-38, farm mgt. specialist, 38-41; prof. AGR. ECON, N.C. STATE, 45-68, EMER. PROF, 68- U.S.A. 41-45, Lt. Col. Agr. Econ. Asn. Farm management; agricultural price analysis; farm appraisal and agricultural credit; economic theory; price-demand analyses; major meat products, United States of America, 1930-1966. Publ: Trends in the economic development of agriculture in North Carolina, N.C. Agr. Exp. Sta, Raleigh, 6/66. Address: 904 Powell Dr, Garner, N.C. 27529.
- PIERCE-JONES, PROF. JOHN, b. Shoal Lake, Man, Sept. 4, 21; m. 44; c. 3. PSYCHOLOGY. B.A. California, Santa Barbara, 46, M.A. Berkeley, 49, Ph.D.(ed. psychol), 53. Instr. biol. & psychol, Calif. Col. Arts & Crafts, 49-50; psychol, Oregon, 50-53, asst. prof, 53-56; res. psychol, lab. human behav, TEXAS, AUSTIN, 56-61, assoc. prof. ED. PSYCHOL, 58-62, PROF, 62-, DIR. HEADSTART EVAL. & RES. CENTER, 66- Vis. prof, Pa. State, 60. Consult, South. Regional Ed. Bd, 58-59. Mem. nat. exec. cmt, res. & eval. div, Proj. Head Start, 67- Psychol. Asn; Ed. Res. Asn. Psychometrics; socialization processes and personality development in infant and child. Publ: Comparison of the A.C.E. psychological examination and the culture-free test, Can. J. Psychol; Vocational interest measurement using a photographic inventory, Ed. & Psychol. Measurement. Address: Dept. of Educational Psychology, University of Texas, Austin, Tex. 78712.
- PIERRE, DR. ANDREW J, b. Vienna, Austria, June 13, 34; U.S. citizen. POLITICAL SCIENCE, INTERNATIONAL AFFAIRS. B.A. Amherst Col, 55; cert. polit, Paris, 56; M.I.A. Columbia, 57, Ph.D.(polit. sci), 68. Res. asst, Brookings Inst, 60; for. serv. officer, Dept. State, 62; dep. counsr. politico-mil. affairs, Am. Embassy, London, 62-64; RES. ASSOC. STRATEGIC STUDIES, HUDSON INST, 66- Consult, off. int. security affairs, Dept. Defense, 67. U.S.A. 57-59. Polit. Sci. Asn; Inst. Strategic Studies. International politics; national security policy; disarmament and arms control; European government. Address: Hudson Institute, Croton-on-Hudson, N.Y. 10520.
- PIERREL, PROF. ROSEMARY, Exp. Psychol, see 11th ed, Phys. & Biol. Vols.
- PIERRO, PROF. EARL H, Sociol, see 10th ed, Soc. & Behav. Vols.
- PIERSKALLA, DR. WILLIAM P, Opers. Res, see Suppl. V to 11th ed, Phys. & Biol. Vols.
- PIERSON, PROF. ALBERT CHADWICK, b. Pierson, Ill, Jan. 3, 14; m. 52; c. 1. MANAGEMENT SCIENCE. B.L.A.S. Illinois, 35; M.B.A. Harvard, 47; Ph.D.(mgt), Columbia, 63. Merchandiser, Montgomery Ward & Co, Ill, 35-41; mgt. consult, Carleton Smith Assocs, 47-54; PROF. MGT, SAN DIEGO STATE COL, 54- V-pres, Nat. Arts Found, 47-; resident res. assoc, Kyoto, 63; vis. prof, Satya Wajana Univ, Java, 64. Ed. Bull. & mem, West. Coun. Travel Res, 60-67. Marketing economics; resort economics and tourism; management of American business enterprises outside of the United States. Publ: Trends in lodging enterprises, Univ. Microfilms, 63; Management, management science, science and research institute, Mori Kage, 67. Address: Dept. of Management, San Diego State College, San Diego, Calif. 92115.
- PIERSON, DR. DAVID W, Biol. Sci, Environ. Biol, see 11th ed, Phys. & Biol. Vols.
- PIERSON, PROF. DONALD, b. Indianapolis, Ind, Sept. 8, 00; m. 29. SOCIOLOGY, SOCIAL ANTHROPOLOGY. A.B. Col. Emporia, 27; univ. fel, Chicago, 32-34, A.M. 33, Henderson fel, 34-35, Ph.D.(sociol), 39. Teacher, high schs, Ill, 29-30; asst. soc. sci. res. cmt, Chicago, 35-37; res. assoc. soc. sci, Fisk, 37-39; prof. sociol. & soc. anthrop, Sch. Sociol. & Polit, Brazil, 39-59, dir. dept. sociol. & anthrop, 41-42, dean grad. work, 42-57; exchange prof. U.S. Dept. State, 43-45; anthropologist, inst. soc. anthrop, Smithsonian Inst, 45-52; vis. prof, Inter-Am. Prog. Adv. Training in Appl. Soc. Sci, Mex, 60 & 61; Guggenheim res. fel, Portugal & Spain, 63-64; Fulbright lectr, Portugal, 66. Ed, Biblioteca de Ciencias Sociais, 41-55; Sociologia, 50-57. Anisfield award, 42. Fel. Sociol. Asn; fel. Anthropol. Asn. Brazilian ecology, society and culture; subtle cultural forms underlying Portuguese and Brazilian behavior and their influence on attitudes toward other peoples. Publ: Cruz das Almas, a Brazilian village; Literature on Brazil of sociological significance; Negroes in Brazil, a study of race contact at Bahia. Address: Route 1, Candler, N.C. 28715.
- PIERSON, PROF. FRANK C(OOK), b. Denver, Colo, Nov. 4, 11; m. 40; c. 2. ECONOMICS. A.B. Swarthmore Col, 34; A.M. Columbia, 36, Ph.D. 41. Wage stabilization dir, Regional War Labor Bd, 43-44, v.chmn, 44-45; asst. prof. ECON, SWARTHMORE COL, 45-46, assoc. prof, 46-50, PROF, 50-, CHMNH. DEPT, 45-48, 67- Vis. lectr, California, Los Angeles, 48-50; dir. surv. bus. ed, Carnegie Corp, 56-59; res. Brookings Instn, 61-62. Consult, Coun. Econ. Adv, 64-66; U.S. Dept. Labor, 65-67. Econ. Asn; Indust. Rels. Res.

- Asn. Wage theory and policy; stabilization policies; macroeconomic theory. Publ: Community wage patterns; Education of American businessmen; Unions in postwar America: an economic assessment, Random, 67. Address: Swarthmore College, Swarthmore, Pa. 19081.
- PIERSON, DEAN GEORGE A(RTHUR), b. Brigham City, Utah, Feb. 13, 04; m. 29; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. Utah, 29, M.A. 34; Ed.D. (ed. psychol), Southern California, 44. Dean boys, high sch, Utah, 34-38; from instr. to assoc. prof. sociol, Univ. Utah, 38-45, prof. ed. psychol. & dean students, 46-53; instr. Minnesota, 45-46; PROF. STUDENT PERSONNEL & DEAN STUDENTS, QUEENS COL.(N.Y.), 53- Vis. prof, Nat. Defense Ed. Act Inst, Mich. State, 67-68. Psychol. Asn. Aptitudes and aptitude measurement; counseling; student personnel administration. Publ: School marks and success in engineering & ed, Proceedings American College Personnel Association 33rd annual convention, Ed. & Psychol. Measurement; auth, An evaluation: counselor education in regular session institutes, U.S. Govt. Printing Off, 65. Address: 46-14 241st St, Douglaston, N.Y. 11362.
- PIERSON, DR. JOHN H(ERMAN) G(ROESBECK), b. New York, N.Y., Mar. 28, 06; m. 30, 48; c. 2. ECONOMICS. A.B. Yale, 27, Ph.D.(econ), 38. Teacher, St. Bernard's Prep. Sch., N.Y., 28-29; spec. asst. to v.pres, Consol. Gas Co. of N.Y., 29-33; instr. econ, Yale Col, 33-38, Sterling fel, 38-39; assoc. dir, inst. appl. soc. anal, Soc. Sci. Res. Coun, Columbia, 39-40; chief postwar labor probs. div. & spec. asst. to undersecy. labor, U.S. Dept. Labor, 41-48; econ. & policy adv. Far East aid prog, Econ. Coop. Admin. & Mutual Security Agency, 49-53; founder & pres, Voices to Am, Inc, 53-54; dir. res. & planning div, Econ. Cmn. Asia & Far East, UN, 55-59, spec. consult, Dept. Econ. & Soc. Affairs, N.Y., 59-62, spec. adv. sci. & tech. questions, 63-66; PRIVATE PRACTICE, 66- Statist. Asn; Econ. Asn; Asn. Asian Studies. Economic development of under-developed countries; international understanding. Publ: Full employment; Full employment and free enterprise; Insuring full employment, Viking, 64. Address: 2969 Kalakaua Ave, Honolulu, Hawaii 96815.
- PIERSON, LLOYD M(ILAND), Anthropol, see 10th ed, Soc. & Behav. Vols.
- PIERSON, PROF. ROWLAND R(AY), b. Millerstown, Pa, Dec. 21, 13; m. 41; c. 2. EDUCATIONAL PSYCHOLOGY. A.B. Muskingum Col, 35; M.A. Ohio State, 38; Ph.D.(ed. guid), Mich. State, 51. COUNSR, MICH. STATE, 46-, PROF, COUNSELING CENTER, 61-, DIR, 66-, instr, 46-48, asst. prof, 48-52, assoc. prof, 52-61, acting dir, counseling center, 61-63, assoc. dir, 63-66. U.S.A.A.F., 43-46. Psychol. Asn; Personnel & Guid. Asn. Counseling psychology. Publ: Contrib, Articulating general and professional education, Counseling & Guid. Gen. Ed. Address: 1127 Marigold Ave, East Lansing, Mich. 48823.
- PIERSON, PROF. W(ILLIAM) H(ASKELL), Geog, see 10th ed. Soc. & Behav. Vols.
- PIERSON, PROF. W(ILLIAM) W(HATLEY), Geog, see 10th ed, Soc. & Behav. Vols.
- PIETSCH, EWALD CARL, Geog, see 10th ed, Soc. & Behav. Vols. Latest known address: 1883 Potrero Dr, San Jose, Calif. 95124.
- PIETY, DR. KENNETH R(ALPH), b. South Bend, Ind, Feb. 19, 24; m. 42; c. 4. PSYCHOLOGY. B.A. David Lipscomb Col, 50; M.A. Peabody Col, 51; Ph.D. Vanderbilt, 57. Instr. psychol, David Lipscomb Col, 50-54; asst. chief psychologist, Vet. Admin. Hosp, Murfreesboro, Tenn, 57-68; CHIEF PSYCHOLOGIST, ORANGE MEM. COMPREHENSIVE COMMUNITY MENT. HEALTH CENTER, 68- Instr, exten. div, Tennessee, 58-68. Ord.C. U.S.A., 43-46. Psychol. Asn. Chemotherapy versus group psychotherapy in the treatment of schizophrenics. Publ: Perceptual dissonance and role learning, 1/66 & Patterns of parent perceptions among neuropsychiatric patients and normal controls, 10/67, J. Clin. Psychol. Address: Orange Memorial Hospital, Orlando, Fla. 32806.
- PIGAGE, PROF. LEO C(HARLES), Indust. Engr, see 11th ed, Phys. & Biol. Vols.
- PIGORS, PROF. PAUL, b. Geestemuende, Germany, June 25, 00; nat; m. 24; c. 3. SOCIOLOGY. B.S. Harvard, 24, A.M. 25, Ph.D. 27; Berlin, 26-27. Asst. soc. ethics, Harvard, 24-26; instr. & tutor, div. philos, Harvard & Radcliffe Col, 26-31, instr. sociol. & tutor, div. philos, 31-34; asst. prof. sociol, Rochester, 34-36; res. asst, grad. sch. bus. admin, Harvard, 36-39; assoc. prof. sociol, Tufts Col, 39; lectr, MASS. INST. TECH, 40-41, assoc. prof, INDUST. REL, 41-59, prof, 59-65, EMER. PROF, 65- Expert consult. labor rel, war hg. Serv. Supplies; spec. consult, U.S. Air Force. Indust. Rel. Res. Asn; Arbit. Asn; Acad. Arbit. Communication; case method; professional nursing practice cases and issues. Publ: Personnel administration, a point of view and a method; Effective communication; Case method in human relations: the incident process. Address: Dept. of Industrial Relations, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- PIGOTT, DR. RICHARD ANDREW, b. Boston, Mass, Dec. 7, 32; m. 57; c. 2. CLINICAL PSYCHOLOGY. A.B. Boston, 56, Ed.M. 58, Ed.D.(rehab. counseling), 66. Res. psychologist, Harvard, 60-63; chief psychologist, Mass. Dept. Pub. Health, 61-67; PROJ. DIR, EPILEPSY SOC. MASS, 67- Lectr, Boston Col, 61-; spec. instr, Simmons Col, 62- Voc. consult, U.S. Dept. Health, Ed. & Welfare, 65- U.S.N.R., 51-53. Psychol. Asn; Nat. Rehab. Asn. Investigation of behavior changes consequent to cortical cerebral lesions in man; development of assessment devices and procedural strategies for modification of psychiatrically pathological response tendencies. Address: 321 S. Main St, Cohasset, Mass. 02025.
- PIHL, DR. ROBERT O, b. Milwaukee, Wis, Feb. 2, 39; m. 59; c. 2. PSYCHOLOGY. B.A. Lawrence, 61; M.A. Arizona State, 65, Ph.D.(psychol), 66. Clin. intern, Barrow Neurol. Inst, Phoenix, Ariz, 64-66, psychologist, 64-65, staff psychologist, 65-66; ASST. PROF. PSYCHOL, MCGILL, 66- Faculty assoc, Arizona State, 65-66; dir, dept. psychol, Lakeshore Gen. Hosp, Pointe Claire, Que. & summer lectr, Macdonald Col, McGill, 67- U.S.A.R., 57-65. AAAS; Am. Psychol. Asn; Can. Psychol. Asn. Publ: Co-auth, Verbal stimuli and paired-associate learning, 7/65 & auth, The reversal of the reinforcement value of a verbal stimulus, 10/66, Psychol. Record; Conditioning procedures with hyperactive children, Neurology, 4/67. Address: Dept. of Psychology, Stewart Biological Sciences Bldg, McGill University, Montreal 1, Que, Can.
- PIHLBLAD, PROF. C(ARL) TERENCE, b. Lindsborg, Kans, June 10, 97; m. 20; c. 2. SOCIOLOGY. A.B. Bethany Col.(Kans), 17, hon. L.H.D. 67; A.M. Missouri, 20, Ph.D. 25. Assoc. prof. SOCIOL, Wittenberg Col, 25-30; MISSOURI, COLUMBIA, 30-45, prof, 45-67, EMER. PROF, 67- Fulbright fel, Oslo, 53-54; U.S. Pub. Health Serv. grant & prin. investr, 68- Sociol. Asn; Pop. Asn. Am; Geront. Soc. Criminology; population; minority groups. Publ: Co-auth, Residential and occupational mobility in an area of rapid industrialization in North Norway; Selective aspects of migration and occupation, Univ. Mo. Study; Migration and selection, Am. Sociol. Rev. Address: Dept. of Sociology, University of Missouri, Columbia, Mo. 65210.
- PIKER, DR. STEVEN I, b. Cincinnati, Ohio, Dec. 12, 37; m. 62; c. 1. ANTHROPOLOGY. B.A. Reed Col, 59; Nat. Inst. Ment. Health fel, Washington (Seattle), 61-64, Ph.D.(anthrop), 64. Res. asst. ANTHROP, Washington, 60-61, acting instr, 64; from instr. to asst. prof, Carleton Col, 64-66; ASST. PROF, SWARTHMORE COL, 67- Nat. Inst. Ment. Health res. fel. anthrop, Thailand, 67-68. Anthropol. Asn; Asn. Asian Studies. Southeast Asia; psychological anthropology; religion and society; social organization. Publ: The image of limited good: comments on an exercise on description and interpretation, Am. Anthropologist, 10/66; Religion and socialization: the relationship of belief systems to behavior, Asian Surv, spring 68; Sources of stability and instability in rural Thai society, J. Asian. Studies, fall 68. Address: Dept. of Anthropology, Swarthmore College, Swarthmore, Pa. 19081.
- PIKL, PROF. I. JAMES, JR, b. Sublet, Wyo, Jan. 13, 24; m. 47; c. 5. ECONOMICS, STATISTICS. B.A. Wyoming, 49, M.A. 50; Ford Found. fel, Vanderbilt, 54-55, Ph.D. 58. Acting dist. economist, Off. Price Stabilization, Tenn, 52-53; asst. econ. inst. res. & training in soc. sci, Vanderbilt, 54, senate submt. antitrust & monopoly, 55, instr. univ, 57-58, Brown, 55-56; lectr. econ. & statist, Tenn. Wesleyan Col, 56-57; asst. prof, Southern Methodist, 58-61; assoc. prof, ECON, Georgia, 61-63; PROF. & HEAD DEPT, WYOMING, 63- Res. fel, Inter-Univ. Cmt. Econ. Res. of South, 60-61. Spec. consult, Dept. Health, Ed. & Welfare, 59-60. U.S.A., 43-46; Bronze Star Medal, 45. Econ. Asn. Industrial organization and control; industry studies; economics of southern pulpwood, lumber, pulp and paper industries; conservation regulation and theory of petroleum conservation; Southern economic development. Publ: Conservation: its economic meaning and significance; Southern woods-labor shortage of 1955, South. Econ. J.; Southern forest products and forestry; developments and prospects, J. Farm Econ. Address: Dept. of Economics, Box 3275, University of Wyoming, Laramie, Wyo. 82070.
- PIKUNAS, DR. JUSTIN, b. Lithuania, Jan. 7, 20; nat; m. 53; c. 3. PSYCHOLOGY. Ph.B. Lithuania, 43; Ph.D.(psychol), Munich, 49. Instr. PSYCHOL, DETROIT, 51-52, asst. prof, 52-56, assoc. prof, 56-61, PROF, 61- Sr. staff consult, Psychol. Consult. Serv, 56-61. AAAS; Psychol. Asn. Developmental psychology; verbal conditioning; psychodiagnostics; psychotherapy. Publ: Psychology of human development; Fundamental child psychology; Human development: a science of growth. Address: 8761 W. Outer Dr, Detroit, Mich. 48219.
- PILCHER, DR. PALMER C, b. Syracuse, N.Y., Mar. 19, 21; m. 43; c. 2. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A. Syracuse, 49, Ph.D. 56. Asst. polit. sci, Syracuse, 49-52; asst. prof. govt. & pub. admin, American Univ, 52-55; polit. sci, Wayne State, 55-58, assoc. prof, 58-64, asst. dean grad. div, 60-64; prof. & dean acad. affairs, Florida Atlantic, 64-67; V.PRES. ACAD. AFFAIRS, ARKANSAS, 67- V.pres, Nat. Ed. Assocs. Res. & Develop. Inc, Fla, 64- Consult, effective citizenship prog, Ford Motor Co, 59-60; hon. adv. Brit. Univ. Summer Schs. Prog, 63-; consult, Northwest La. Suppl. Ed. Center, 67-; consult, Continuing Ed. Prog, Univ. Hawaii, 68; consult, pub. schs, Vicksburg, Miss, 68. U.S.C.G., 42-45. Polit. Sci. Asn; Soc. Pub. Admin. Sociology of organization; budgeting and financial management; university administration; political dynamics; public law. Publ: Co-ed, Management science; auth, Manpower and local government. Address: University of Arkansas, Fayetteville, Ark. 72701.
- PILGRIM, DR. FRANCIS J(OSEPH), b. Pittsburgh, Pa, Mar. 29, 20. PSYCHOLOGY. B.S. Pittsburgh, 41, Ph.D.(psychol), 48; M.S. Wisconsin, 43. Asst. biochem, Wisconsin, 41-44; res. assoc. nutrit, inst. path, West. Pa. Hosp, Pittsburgh, Pa, 44-45; asst. psychol, Pittsburgh, 45-48, lectr, 48-50; res. assoc. neuropsychiol, West. Psychiat. Inst. & Clin, 48-51; from psychologist to asst. chief food acceptance br, Qm. Food & Container Inst, 51-61; res. grants specialist, Nat. Inst. Ment. Health, 62-66; MGR. BEHAV. RES, PILLSBURY CO, 66- Fel. AAAS; fel. Psychol. Asn; Psychonomic Soc. Psychophysics of taste and odor; food attitudes; market research. Publ: The components of food acceptance and their measurement, Am. J. Clin. Nutr., 57; co-auth, Interactions of supra-threshold taste qualities, J. Exp. Psychol, 61; auth, Human food attitudes and consumption, In: Handbook of Physiology, 67. Address: Pillsbury Co, 608 Second Ave. S, Minneapolis, Minn. 55402.
- PILISUK, PROF. MARC, b. New York, N.Y., Jan. 19, 34; m. 56; c. 1. SOCIAL & CLINICAL PSYCHOLOGY. B.A. Queens Col.(N.Y.), 55; U.S. Pub. Health Serv. fel, 55-56; M.A. Michigan, 56, univ. fel, 57-59, Ph.D., 61; Nat. Inst. Ment. Health fel, 59-60. Trainee, Vet. Admin. Hosp, Dearborn, Mich, 56-57; consult. clin. psychol, Mich. Childrens Aid Soc, 57-58; trainee clin. psychol, childrens's psychiat. hosp, Michigan, 58-60, lectr. psychol. & res. asst. soc. psychol, 60-61, asst. prof. psychol. in nursing, grad. sch. psychiat. nursing & assoc. res. psychologist, ment. health res. inst, 61-65; ASSOC. PROF. admin. sci. & psychol, Purdue, 65-67; PSYCHOL, CALIFORNIA, BERKELEY, 67- Asst. prof, Oberlin Col, 61; grants, Sigma Xi, 62-63; Nat. Sci. Found, 63-; Reynolds Found, Soc. Psychol. Study Soc. Issues & Inst. Policy Studies, 63-65. Consult, Inst. Soc. Res, Ann Arbor, Mich, 64- Psychol. Asn; Sociol. Asn; Orthopsychiat. Asn. Disarmament and resolution of international conflict; attitudes; decision making; personality development; higher education; therapeutic process; community mental health; philosophy of so-

cial science; community power; social problems. Publ: Co-auth, The triple revolution: social problems in depth, Little, 4/68; auth, Cognitive balance primary groups and the patient therapist relationship, Behav. Sci, 63; co-auth, War hawks and peace doves: alternate resolutions to experimental conflicts, J. Conflict Resolution, 65. Address: Dept. of Psychology, University of California, Berkeley, Calif. 94720.

PILKEY, DR. M(ARY) LORAIN, b. Wichita, Kans, May 3, 16; m. 40; c. 2. PSYCHOLOGY. A.B. Univ. Kansas City, 53; M.A., 55, fel. 55-57, Ph.D.(ed. psychol), 59. Clin. psychologist, med. center, Kansas, 58-59; Neurol. Hosp, Kansas City, Mo, 59-62; private practice, 63. Clin. psychologist, Children's Mercy Hosp, 55-59; Ozanam Home for Boys, Martin City, Mo, 60-61. Consult, Sheltering Arms Child Guid. Center, St. Joseph, 62. Psychol. Asn. Effects of medication therapy on school children seen in a child guidance center. Publ: Co-auth, Psychosomatic study of eight children with Sydenham's chorea, Pediatrics; Psychiatric services in a pediatric hospital, Diseases Nervous Syst; Psychodrama and empathic ability in the mentally retarded, Am. J. Ment. Deficiency. Address: 221 Plaza Time Bldg, 411 Nichols Rd, Kansas City, Mo. 64113.

PILLARD, DR. RICHARD C(OLESTOCK), b. Springfield, Ohio, Oct. 11, 33; m. 58; c. 3. PSYCHIATRY. B.A. Antioch Col, 55; M.D. Rochester, 59. Intern, Boston City Hosp, 59-60; res. PSYCHIAT, Boston State Hosp, 60-62; outpatient serv. univ. hosp, BOSTON, 62-63, head res. in-patient serv, 63-64, res. fel. SCH. MED, 64-66, instr, 66-67, ASST. PROF, 67. Psychiatrist, health serv. Boston Univ, 63-64; asst. psychiatrist, Boston State Hosp, 63-67; U.S. Pub. Health Serv. res. fel, 66-67, res. scientist develop. award, 67-John Murray Prize, 64. Psychiat. Asn; Int. Soc. Gen. Semantics. Psychopharmacology; psychobiology of affect. Publ: Co-auth, Palmar sweat prints and self-ratings as measures of film-induced anxiety, Perceptual & Motor Skills, 66; The effect of different preparations on film-induced anxiety, Psychol. Record, 67; Effects of chlordiazepoxide and secobarbital on film-induced anxiety, Psychopharmacologia, 67. Address: Dept. of Psychiatry, Psychopharmacology Laboratory, Boston University School of Medicine, 80 E. Concord St. Boston, Mass. 02118.

PILLING, PROF. ARNOLD R(EMINGTON), b. Berkeley, Calif, Oct. 23, 26; m. 56; c. 4. ANTHROPOLOGY. B.A. California, 47, Ph.D, 58; London, 50-51; Fulbright scholar, U.S. Ed. Found. Australia, 53-54. Asst. archaeologist, archaeol. surv, California, 49-50, field asst. archaeol, 50, asst. preparator, Mus. Anthropol, 52-53; instr. ANTHROP, WAYNE STATE, 57-59, asst. prof, 59-63, ASSOC. PROF, 63-, DIR, MUS. ANTHROP, 59-, acting dir, 58-59. Vis. asst. prof, Michigan, summer, 61. Consult, Yurok Indians, Calif, 67. U.S.N., 45-46. Am. Anthropol. Asn; Ethnol. Soc; Soc. Hist. Archaeol. (secy-treas. 67); Royal Anthropol. Inst. Gt. Brit. Culture change: social anthropology; Australian aborigines; California Indians; historical archaeology; comparative law; ethno-history. Publ: Aborigine culture history; co-auth, Tiwi of North Australia. Address: Dept. of Sociology & Anthropology, Wayne State University, Detroit, Mich. 48202.

PILLSBURY, DEAN WILBUR F(ISKE), b. Minneapolis, Minn, Aug. 7, 21; m. 46; c. 3. ECONOMICS, BUSINESS ADMINISTRATION. A.B. & M.B.A. Dartmouth Col, 46; Ph.D. Indiana, 54. Asst. prof, Rutland Jr. Col, 46-48, treas, 49; from asst. prof. to PROF. ECON, KNOX COL.(ILL), 49-, DEAN STUDENTS, 57-, dean men, 55-57. Lectr, Indiana, 52-53. Consult, United Steel Workers of Am, 53-54. U.S.N., 42-45. Econ. Asn; Am. Acct. Asn. Accounting data and factual information; college student personnel work. Publ: Use of corporate financial information by organized labor, Pub. Bur. Bus. Res, Indiana Univ. Address: Dept. of Economics, Knox College, Galesburg, Ill. 61401.

PILVIN, HAROLD, Econ, see 10th ed, Soc. & Behav. Vols.

PINARD, PROF. ADRIEN, b. Montreal, Que, Feb. 14, 16. EXPERIMENTAL PSYCHOLOGY. B.A. Montreal, 35, L.Th, 40, L.Ps, 44, Ph.D.(psychol), 54. Asst. prof. PSYCHOL, MONTREAL, 45-52, PROF, 52- Psychol. Asn; Can. Psychol. Asn; Inter-Am. Soc. Psychol; French Soc. Psychol. Sensation and perception; cognitive processes; developmental psychology. Publ: Contrib, Differential tests of intelligence; co-auth, Causal thinking in the child, Int. Univ. Press, 62. Address: Institute of Psychology, University of Montreal, C.P. 6128, Montreal, Que, Can.

PINARD, DR. MAURICE, b. Drummondville, Que, Apr. 25, 29; m. 67. SOCIOLOGY. B.A. Montreal, 51, LL.L., 54, M.A., 55, Can. Coun. fels, 60-62; Woodrow Wilson fel, Hopkins, 62-63; Ph.D.(sociol), 67. Asst. prof. SOCIOL, Montreal, 59-60, asst. prof, MCGILL, 63-67, ASSOC. PROF, 67- Res. assoc. Soc. Res. Group, 57-65. Am. Sociol. Asn; Can. Sociol. & Anthropol. Asn. Social and political movements; political sociology. Publ: Marriage and divorce decisions, Soc. Forces, 3/66; One-party dominance and third parties, Can. J. Econ. & Polit. Sci, 8/67; Poverty & political movements, Soc. Probs, fall 67. Address: Dept. of Sociology & Anthropology, McGill University, Montreal, Que, Can.

PINCOCK, DR. MARK GLADE, b. Rexburg, Idaho, Aug. 22, 35; m. 56; c. 3. ECONOMICS, AGRICULTURAL ECONOMICS. B.S. Ricks Col, 56; M.S. Cornell, 57, Ph.D.(agr. econ), 61. Asst. prof. econ, S.Dak. State Col, 61-62; AGR. ECONOMIST, ECON. RES. SERV, U.S. DEPT. AGR, Wash, 62-65, UTAH, 65- Agr. Econ. Asn. Developed objectives; executed procedures for collecting, analyzing, evaluating and interpreting agricultural marketing data to evaluate advertising and promotional programs; interagency economic evaluations for river basin planning studies. Publ: Economic study of poultry management and egg marketing systems & Consumer purchasing practices and quality recognition for eggs, Cornell pubs; Economics of water quality in agriculture, a case study, Wellton-Mohawk Irrigation district, Yuma County, Arizona, 1960, 1980 and 2010, U.S. Govt. Interagency Report, 7/67. Address: Economic Research Service, Room 5301, Federal Bldg, 125 S. State St, Salt Lake City, Utah 84111.

PINCUS, DR. JOHN ALEXIS, b. Boston, Mass, Sept. 14, 26; m. 48; c. 4. ECONOMICS. B.A. Colby Col, 48; M.A., Columbia, 50; Ph.D.(econ), Harvard, 63. Proj. officer, India desk, tech. coop. admin, U.S. Dept. State, 50-53; teaching fel. econ, Harvard, 55-56; economist, Develop. & Resources

Corp, 56-59; econ. consult, European Productivity Agency, 59-61; ECONOMIST, RAND CORP, 61- Consult, Can. Pac. Rwy, 55-56; policy planning coun, U.S. Dept. State, 62-64; Atlantic Policy Studies, Coun. For. Rels, 64-65; UN Conf. Trade & Develop, 66-67. Econ. Asn; Soc. Int. Develop. Economic development of underdeveloped countries in its international setting; problems of poverty in the United States economy. Publ: Economic aid and international cost-sharing, Johns Hopkins, 65; Trade, aid and development, McGraw, 67; co-auth, Reshaping the world economy, Prentice-Hall, 68. Address: 4453 29th St. N.W., Washington, D.C. 20008.

PINDELL, HOWARD D(UGLAS), b. Annapolis, Md, Apr. 8, 08; m. 37; c. 1. COURT ADMINISTRATION. B.S. Morgan State Col, 31; M.A., Columbia, 39; Ed.M. Temple, 57. Teacher, Wiley Bates High Sch, Md, 31-36; prin, Lincoln High Sch, 36-38; asst. exec. dir, Wissahickon Boys Club, Pa, 39-44; probtn. officer, Munic. Court Phila, 44-51; rehab. counsr, State Bd. Voc. Ed, 51-57; supvr. of intake, juvenile div, COUNTY COURT PHILA, 57-63, DIR. MEN'S DIV, 63- Instr, William Penn Bus. Inst, 50-63; Spring Garden Inst, 61-63; part-time instr, Community Col, Temple, 67- U.S.A., 44-46, Sgt. Psychol. Asn; Nat. Coun. Crime & Delinquency. Administration and supervision; psychology; correctional work as applied to juvenile and adult delinquents; counseling of the vocationally handicapped, especially those with psychiatric handicaps. Publ: Vocational rehabilitation of the handicapped parole; Quart. Summer; Home visitation in counseling the handicapped & Employer attitudes toward psychiatric applicants, J. Rehab. Address: Men's Division, County Court of Philadelphia, 1801 Vine St, Philadelphia, Pa. 19103.

PINE, DR. FRED, b. New York, N.Y., May 24, 31; m. 54; c. 2. PSYCHOLOGY. A.B. City Col. New York, 52; A.M. Harvard, 54, Ph.D.(psychol), 56. Asst. center sociopsychol. res, Harvard, 53-55, res. assoc, 55-56; res. fel, res. center ment. health, N.Y. UNIV, 56-58, res. asst. prof, 58-61, assoc. res. scientist, 61-62, ASSOC. PROF. PSYCHIAT, DOWNSTATE MED. CENTER, 62- Intern, dept. psychiat, Children's Med. Center, Boston, Mass, 55-56. Consult, Hudson Guid. Counseling Serv, N.Y., 56-61; Masters Children's Center, 61- AAAS; Psychol. Asn. Thought organization; ego development; psychoanalytic theory; sociopsychological studies. Publ: Incidental stimulation: a study of preconscious transformations; co-auth, Creativity and primary process: a study of adaptive regression, J. Abnorm. & Soc. Psychol; Sociopsychological conception of patienthood, Int. J. Soc. Psychiat. Address: Dept. of Psychology, State University of New York Downstate Medical Center, 450 Clarkson Ave, Brooklyn, N.Y. 11203.

PINE, DR. IRVING, b. Brooklyn, N.Y., May 5, 09; m. 39; c. 2. PSYCHIATRY. M.D. N.Y. Med. Col, 32. Acting chief, electroencephalog. lab, Duke, 49-51, instr. PSYCHIAT, 49-50, assoc, 50-52; CLIN. ASSOC. PROF, OHIO STATE, 52-, ASST. PROF. MED, 59- Consult, Ohio Tuberc. Hosp, 55- Ed, Ohio Psychiat. Asn. Newsletter, 66- Dipl. Nat. Bd. Med. Exam, 33. Med.C., 42-45, Capt. Psychosom. Soc; Am. Med. Asn; fel. Group Psychother. Asn; fel. Psychiat. Asn. Dreams in psychotherapy; electroencephalography in psychiatry; nature of therapy in psychiatry. Publ: Resistance in cotherapy groups, Int. J. Group Psychother, 7/63; Countertransference in cotherapy groups, 7-8/66 & Hyperventilation syndrome, 5-6/67, Psychosomatics. Address: 3545 Olentangy River Rd, Columbus, Ohio 43214.

PINE, DR. KURT, Sociol, see 10th ed, Soc. & Behav. Vols, deceased 62.

PINE, PROF. W(ILFRED) H(AROLD), b. Lawrence, Kans, Jan. 29, 12; c. 39; c. 2. AGRICULTURAL ECONOMICS. B.S. Kansas State, 34, M.S. 38; Chicago, 38-39; Ph.D.(agr. econ), Minnesota, 48. Asst. agr. agent, Harper County, Kans, 34, agr. agent & secy. agr. adjust. admin. asn, Labette County Farm Bur, 34-35; asst. farm mgt. COL. AGR, KANSAS STATE, 35-36, instr. AGR. ECON, 36-38, asst. prof, 38-48, assoc. prof, 48-49, PROF, 49- Consult, Surinam, S.Am, 60; land reform in Vietnam, Stanford Res. Inst, 67. Chmn. cmt, Great Plain Land Tenure Res, 53, 61. U.S.N.R., 44-46, Lt. Agr. Econ. Asn; Soil Conserv. Soc. Land tenure, taxation and valuation. Publ: Area analysis and agricultural adjustments in Nemaha County, Kansas, Payments in lieu of taxes & Farm leasing arrangements in Kansas, Kans. Agr. Exp. Sta. Bull. Address: College of Agriculture, Kansas State University, Manhattan, Kans. 66502.

PINEO, PROF. PETER CAMDEN, b. Alberni, B.C., Jan. 10, 34; m. 60. SOCIOLOGY. B.A. British Columbia, 55; Marshall Field fel, Chicago, 56-57, Ph.D., 60; M.A. McGill, 57. Lectr. SOCIOL, McMaster, 59-60, asst. prof, 60-62, CARLETON (CAN), 62-68, ASSOC. PROF, 68- Mem. Pop. Coun, Inc, 61. Fel. Sociol. Asn. Sociology of the family; urban sociology. Publ: Disenchantment in the later years of marriage, Marriage & Family Living; co-auth, Occupational prestige in Canada, Can. Rev. Sociol. & Anthropol, 2/67. Address: Dept. of Sociology, Carleton University, Ottawa, Ont, Can.

PINES, DR. JEROME M, b. Bronx, N.Y., Oct. 6, 15; m. 38; c. 3. ECONOMICS, LAW. B.S. N.Y. Univ, 35; M.A., Columbia, 36, Ph.D, 58; M.H.L., Hebrew Univ Col.(N.Y.), 50; LL.B. N.Y. Law Sch, 65. Exec. dir. labor mgt. rels, Building Serv. League, 60-67; ASST. DIST. ATTORNEY, QUEENS COUNTY, 67- Lectr, Columbia, 59- Econ. Asn; Indust. Rels. Res. Asn; Acad. Polit. Sci. Labor management relations; international economic history; criminal and constitutional law. Address: 104-40 Queens Blvd, Forest Hills, N.Y. 11375.

PINKERTON, DR. JAMES R(ONALD), b. Milwaukee, Wis, Dec. 1, 32; m. 57; c. 2. SOCIOLOGY. B.A. Carroll Col.(Wis), 54; M.B.A., Wisconsin, 58, M.S., 62, Nat. Insts. Health fel, 64, Ph.D.(sociol), 65. Asst. prof. sociol, Eastern Michigan, 64-65; ASST. PROF. RURAL SOCIOL. & FACULTY RES. ASST, BUS. & PUB. ADMIN. RES. CENTER, MISSOURI, COLUMBIA, 65- U.S.A., 54-56. Sociol. Asn; Pop. Asn. Am; Rural Sociol. Soc. Urban spatial patterns; population projections. Publ: Co-auth, Residential redistribution of socioeconomic strata in metropolitan areas, Demography, 66. Address: Dept. of Rural Sociology, University of Missouri, Columbia, Mo. 65201.

PINKETT, DR. HAROLD THOMAS, Archives, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

- PINNEAU, PROF. SAMUEL RICHARD, b. Elkins, Ark, Apr. 9, 22; m. 45; c. 6. PSYCHOLOGY. B.A. California, Berkeley, 44, M.A. 50, Ph.D.(psychol), 53. Asst. prof. PSYCHOL, Oregon, 52-54; lectr. inst. human develop, California, Berkeley, 54-59; assoc. prof, Houston, 59-62; PROF. SAN FERNANDO VALLEY STATE COL, 62- Vis. asst. prof. & asst. res. psychologist, California, 54-55, U.S. Pub. Health Serv. res. fel, inst. human develop, 55-57, res. fel, 57-59, vis. assoc. prof, univ, 61-62, prof, summer 65; eval. coordinator, Off. Econ. Opportunity, San Fernando Valley State Col, 65-67, dir, 67-; adj. prof, Southern California, 68- AAAS; Psychol. Asn; Soc. Res. & Child develop. Theoretical, developmental, and clinical psychology, especially research design and methodology. Publ: The infantile disorders of hospitalism anacritic depression, Psychol. Bull, 52: 429-452; Changes in intelligence quotient with age, In: Testing today, Houghton, 62; co-auth, Analyses of factor variance: the general linear case, Perceptual & Motor Skills, 23: 1337-1338. Address: Dept. of Psychology, San Fernando Valley State College, 18111 Nordhoff St, Northridge, Calif. 91324.
- PINNELL, DR. WILLIAM GEORGE, b. Clarksburg, W.Va, Sept. 6, 22; m. 46; c. 1. FINANCE, URBAN ECONOMICS. A.B. West Virginia, 50, M.A. 52; D.B.A. Indiana, 54. Asst. sch. commerce, West Virginia, 50-51; asst. to the dean, SCH. BUS. INDIANA, 52-54, asst. dean, 54-56, assoc. dean, 56-63, DEAN, 63- Mem. President's Task Force Area Redevelop, 61; res. dir, Post High Sch. Ed. Study Cmn, Ind, 61-62; mem. bd. dirs, Kroger Co; adv. cmt, Air Force Inst. Tech. U.S.N.A.F., 42-47, Lt.(jg). Econ. Asn; Finance Asn; Regional Sci. Asn. Real estate finance; applied urban economic analysis. Publ: Analysis of economic base of Evansville, Indiana; Industrial location analysis of Linton, Indiana. Address: School of Business, Indiana University, Bloomington, Ind. 47401.
- PINNEO, DR. LAWRENCE R(OBERT), Psychol, see 11th ed, Phys. & Biol. Vols.
- PINNER, PROF. FRANK A(DOLF), b. Koenigsberg, Germany, May 23, 14; nat; m. 48; c. 2. POLITICAL SCIENCE, SOCIAL PSYCHOLOGY. Dipl. Paris, 36; Soc. Sci. Res. Coun. fel, California, 49-50, Ph.D.(polit. sci, soc. psychol), 54. Lectr, POLIT. SCI, California, 50-54; fel, Cent. Adv. Study Behav. Sci, 54-55; instr, MICH. STATE, 55-56, asst. prof, 56-58, assoc. prof. & dir. bur. soc. & polit. res, 58-63, PROF, 63- Fulbright res. fel, 62; lectr, Inst. Adv. Studies, Vienna, 66-67. U.S.A. 42-46. Polit. Sci. Asn; Soc. Psychol. Study Soc. Issues. Publ: Co-auth, Old age and political behavior; auth, Crisis of the state university: analysis and remedies, In: American college; Tradition and transgression: Western European students in the postwar world, Daedalus, 1/68. Address: 1740 Woodside Dr, East Lansing, Mich. 48823.
- PINTNER, DR. WALTER M, Russian Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- PINTO, DR. ALCIDES, b. Queilen, Chile, Dec. 31, 27; m. 63; c. 3. CLINICAL PSYCHOLOGY. Ed.D.(guid), Madrid, 53, Clin. Psychol, 62. Prof. psychomet. methods, Cath. Univ. Chile, 54-59; chief counsr. studies, Nuestra Señora de Guadalupe, sr. Latin-Am. col, 60-61, sub-dir. counseling, 61-63; PSYCHOLOGIST, CROWNSVILLE STATE HOSP, 64- Counseling psychologist, State Tech. Univ. Chile, 54-59; prof. counseling, Chilean Ministry Ed, 54-59; staff therapist, Edgemeade Youth Rehab. Center, 65- Psychol. Asn; Interam. Soc. Psychol. Psychopharmacology; psychiatric rating scale; research design. Publ: Co-auth, Pilot study of novane (thiothixene) in chronic schizophrenia and acute psychotic patients, 6/67 & Thiasezim (SQ-10, 496) in the treatment of depressed patients, 4/68, Current Therapeut. Res; A critical study of isocarboxazid (marplan) in the treatment of depressed patients, J. Nervous & Ment. Disease, 10/67. Address: 116 Woodside Rd, Riva, Md. 21140.
- PIOTROWSKI, DR. ZYGMUNT A(NTONI), b. Poznan, Poland, Apr. 18, 04; nat; m; c. 1. PSYCHOLOGY. Ph.D.(psychol), Poznan, Poland, 27. Instr. col. physicians & surg, Columbia, 31-43, assoc, 43-54; res. psychologist, State Dept. Insts. & Agencies, N.J., 54-57; assoc. prof. psychol, JEFFERSON MED. COL, 57-58, clin. prof, 58-60, PROF, 61-67, PSYCHIAT, 67- Adj. asst. prof, grad. sch, N.Y. Univ, 47-49, adj. assoc. prof, 49-53, adj. prof, 53-58; prin. res. scientist, State Dept. Ment. Health, N.Y., 48-54. Expert consult, Secy. of Defense, 47-50; training consult, Vet. Admin, 48-61, area consult, 61-65, Vet. Admin. Hosp, 65- Pres, Rorschach Inst, 42-43. Fel. Psychol. Asn; Psychopath. Asn. Modern personality tests and investigation techniques, especially Rorschach and thematic apperception tests; objective test diagnosis and prognosis in neuropsychiatry; prognosis in schizophrenia; detection of early of mild brain damage; computer programs for interpretation of results of Rorschach test data. Address: Dept. of Psychiatry, Jefferson Medical College, 1025 Walnut St, Philadelphia, Pa. 19107.
- PIPER, DR. DON COURTNEY, b. Washington, D.C, July 29, 32; m. 56; c. 2. POLITICAL SCIENCE. B.A. Maryland, 54, M.A. 58; Ph.D.(polit. sci), Duke, 61. Res. assoc, Duke, 61-62, exec. secy, commonwealth studies center, 62-64; asst. prof. GOVT. & POLIT, MARYLAND, 64-67, ASSOC. PROF, 67- Res. asst, Am. Coun. Ed, 66-68. U.S.A.F. 55-58, Capt. Polit. Sci. Asn; Soc. Int. Law; Int. Studies Asn. International law; international relations; comparative government; American foreign relations. Publ: Co-auth, International law standard and commonwealth developments, 66 & auth, International law of the Great Lakes, 67, Duke Univ; Navigation provisions in United States commercial treaties, Am. J. Comp. Law, 62. Address: Dept. of Government & Politics, University of Maryland, College Park, Md. 20742.
- PIPER, DR. ROBERT LEWIS, b. Hartford, Conn, Nov. 11, 32; m. 58; c. 2. POLITICAL SCIENCE. A.B. Transylvania Col, 54, M.A. Syracuse, 59, Ph.D. (polit. sci), 65. Instr. POLIT. SCI, Albion Col, 62-65, asst. prof, 65-67; ANTIOCH-PUTNEY GRAD. SCH, PHILA. CENTER, ANTIOCH COL, 67-68, ASSOC. PROF, 68- Alternate del, Democratic Nat. Convention, 64; summer fel, Seminar Nation Bldg, in Africa, 66. U.S.A. 55-57, Res, 57-61. Polit. Sci. Asn. American and comparative political parties; politics of developing areas; political theory; American political thought; state and local government. Publ: American political parties: vehicle for decision-making?, Syracuse Univ; Partisan competition in Michigan counties 1946-64, Midwest J. Polit. Sci., 66. Address: 546 W. Ellet St, Philadelphia, Pa. 19119.
- PIQUET, DR. HOWARD S, b. Brooklyn, N.Y, July 4, 03. ECONOMICS. B.S., N.Y. Univ, 24; A.M. California, 26; Ph.D., Princeton, 30. Instr. ECON, Princeton, 30-32; asst. prof, N.Y. Univ, 32-34; adj. prof, American Univ, 34-56; SR. SPECIALIST INT. ECON, LEGIS. SERV. LIBRARY OF CONG, 46- Chief econ. div, U.S. Tariff Cmn, 37-43; exec. secy, Interim Cmn. Food & Agr, UN, 43-45. Adv. Off. War Mobilization & Reconversion, 45-46; Army Indust. Col, 45. Dep. staff dir, Select Cmt. For. Aid, U.S. House Rep, 47-48, mem. prfl. staff, For. Affairs Cmt, 48. Econ. Asn. International trade and tariffs; point four and world production; functional international organization since Hot Springs. Publ: Aid, trade and the tariff; Trade agreements act and the national interest; Foreign trade and foreign policy. Address: Legislative Reference Service, Library of Congress, Washington, D.C. 20012.
- PIRIE, DR. PETER NIGEL DOUGLAS, b. Napier, N.Z, Jan. 19, 31; m. 54; c. 3. GEOGRAPHY. B.A. New Zealand, 53, M.A. 54; Ph.D.(geog), Australian Nat. Univ, 64. Asst. lectr. GEOG, Otago, N.Z, 57-59; ASST. PROF, HAWAII, 62- Peace Corps lectr, Hilo Training Center, 63-65. Asn. Am. Geog; Nat. Coun. Geog. Ed. Geography of population, particularly in the Pacific Islands; field work mainly in Samoa. Address: Dept. of Geography, University of Hawaii, Honolulu, Hawaii 96822.
- PIRON, DR. ROBERT, b. Tientsin, China, July 18, 35; U.S. citizen. ECONOMICS. B.S. N.Y. Univ, 56; Anderson fel, Northwestern, 57, Earhart fel, 58, A.M., 59, Ph.D.(econ), 66; Great Lakes Col. Asn. res. assoc, Harvard, 65-66. Instr. ECON, Iowa State, 59-61; OBERLIN COL, 61-65, ASST. PROF, 65- Consult, U.S. Budget Bur, 67-; econ. develop. inst, Istanbul Univ, 68. Econ. Asn. Microeconomic theory; welfare economics; human capital; theories of relative shares; theories of occupational choice. Publ: On the methodology of positive economics, Quart. J. Econ, 11/62; Linear homogeneity and diminishing returns, Am. Econ. Rev, 3/66; In defense of revealed preference, Indian Econ. J, 1/67. Address: Dept. of Economics, Rice Hall, Oberlin College, Oberlin, Ohio 44074.
- PISANI, DR. L(AWRENCE) F(RANK), b. New Haven, Conn, Mar. 13, 21. SOCIOLOGY. B.A. Yale, 42, Page fel, 43-46, M.A. 44, Ph.D.(sociol), 51. Instr. SOCIOL, Massachusetts, 46-48; Syracuse, 48-50; asst. prof. & chmn. dept, State Univ. N.Y. Binghamton, 50-55; assoc. prof, Cedar Crest Col, 56-61; SOUTH. CONN. STATE COL, 61-67, PROF. & CHMN. DEPT, 67- Sociol. Asn. Ethnic and race relations; cultural anthropology. Publ: The Italian in America; Social science at mid-century, Soc. Studies; Theories of prejudice, Soc. Sci. Address: Dept. of Sociology, Southern Connecticut State College, New Haven, Conn. 06515.
- PISHKIN, DR. VLADIMIR, b. Belgrade, Yugoslavia, Mar. 12, 31; nat; m. 53; c. 2. EXPERIMENTAL & CLINICAL PSYCHOLOGY. B.A. Montana State, 51, M.A. 55; Ph.D. Utah, 59. Instr. psychol. & philos, Montana State, 54-55; clin. psychologist, Mont. State Hosp, 55-56; intern psychol, Vet. Admin. Neuropsychiat. Hosp, Salt Lake City, Utah, 57-59, res. psychologist, VET. ADMIN. HOSP, Tomah, Wis, 59-60, dir. res. lab, 60-62, CHIEF RES. PSYCHOLOGIST, BEHAV. SCI. LABS, OKLAHOMA CITY, 62-; PROF. MED. PSYCHOL, SCH. MED, OKLAHOMA, 67- Consult, Nat. Inst. Health Proj, U.S. Pub. Health Serv, 60- U.S.A.F.R. 52-, Capt. Fel. AAAS; fel. Psychol. Asn. Perceptual, motor, conceptual and learning processes related to psychopathology and chemotherapy; information theory and concept identification in development of theoretical models and actuarial prediction of cognitive learning. Publ: Transmission of information as a function of misinformation feedback distribution & Stimulus and response tendencies in concept identification, Psychol. Report; Effects of probability of misinformation and number of irrelevant dimensions upon concept identification, J. Exp. Psychol. Address: Veterans Administration Hospital (150A), 921 N.E. 13th St, Oklahoma City, Okla. 73104.
- PISHKY, DR. FREDERICK SCHMIDT, b. Budapest, Hungary, Nov. 4, 17; U.S. citizen; m. 56; c. 2. POLITICAL SCIENCE. LL.D. Erzsébet Univ, Pecs, 43, Ph.D.(polit. sci), 44; Pázmány Peter Univ, Budapest, 45-47. Lectr. int. polit, Am. Contacts Div, Free Europe Cmt, 50-52; res. assoc. area studies, Mid-European Studies Center, 52-55, res. supvr. demog, 55-57; res. ed, Radio Free Europe, 57-58; dir. pub. rels, World Trade Center, Rome, Italy, 58-61; POLIT. SCIENTIST, ANAL. SERV. INC, 61- Policy planning consult, Permanent Indust. Exhibs. Co, Switz, 57-58. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. International relations, especially socio-political problems in developing areas; interaction between political and military concepts and strategies; environmental factors in formulating development programs. Publ: Co-auth, A new slavery—forced labor, Oceana, 53 & Vols. on Albania, Bulgaria, Hungary, Romania, In: Mid-European Studies Center series, Praeger, 57; auth, Alternative U.S. military strategies, Anal. Serv. Inc, 65. Address: Analytic Services, Inc, 5613 Leesburg Pike, Falls Church, Va. 22041.
- PISKOR, PROF. FRANK P(ETER), b. Turner Fall, Mass, Jan. 5, 16; m. 45; c. 2. POLITICAL SCIENCE. A.B. Middlebury Col, 37, hon. LL.D, 59; Ph.D., Syracuse, 50. Personnel counsr, SYRACUSE, 39-41, instr. polit. sci, 41-50, asst. prof, 50-53, assoc. prof, 53-60, PROF. POLIT. SCI, 60- V.PRES. ACAD. AFFAIRS & DEAN FACULTIES, 59-, dir. counseling, 41-43, acting dean men, 43-46, dean, 46-53, v.pres. & dean student serv, 53-59. V.chmn, Middle State Cmn. Higher Ed, 64-67, chmn, 67, v.chmn, Fedn. Regional Accrediting Cmnns. Higher Ed, 67. Soc. Pub. Admin. Personnel; educational administration. Publ: Ed, Unity within guidance; auth, University as a community: a plea for research, Guid. in Age Automation; Tension in academe, Middlebury Col. Newsletter, autumn 66. Address: Syracuse University, Syracuse, N.Y. 13210.
- PISULA, DR. DOROTHY HELEN, Psychol, see 10th ed, Soc. & Behav. Vols.
- PITCHELL, PROF. ROBERT J(OSEPH), b. New York, N.Y, Feb. 4, 19; m. 49; c. 1. POLITICAL SCIENCE. A.B. Fordham, 39; Ph.D.(polit. sci), California, 55. Asst. prof. govt, Purdue, 55-59; assoc. prof. govt. & assoc. dir, bur. govt. res, Indiana, 59-64; pres, Roosevelt, 64; dep. adminstr, fed. exten. serv, U.S. Dept. Agr, 65-66; EXEC. DIR, NAT. UNIV. EXTEN. ASN, 66- Dir, State Tax & Financing Policy Cmn, Ind, 57-59. U.S.A.A.F. 42-46;

U.S.A., 51-53, Lt. Soc. Pub. Admin; Adult Ed. Asn. Financial administration; public policy; legislative behavior. Publ: Corporate tax support of higher education. Address: 813 Northwest Dr, Silver Spring, Md. 20901.

PITCHER, PROF. EVELYN GOODENOUGH, b. Lansing, Ohio, June 15, 15; m. 41; c. 2. PSYCHOLOGY. B.A. Wilson Col, 37, M.A. Yale, 39, Ph.D. 58, L.L.D. New Eng. Col, 62. Co-dir. nursery sch. & dir. & exam. pre-sch. servs, Gessell Inst. Child Develop, 51-59; lectr. PSYCHOL. TUFTS & dir. Eliot-Pearson Sch., 59-64, PROF. & CHMN. ELIOT-PEARSON DEPT. CHILD STUDY, 64- Consult, White House Conf. Children & Youth, 60; cmt. recreation & ed, Childrens Hosp. Med. Center, 61, res. proj. on accidents in young children, 61-62; Field Reader, coop. res. br. Off. Ed, 62- Mem. bd. gov. U.S. Nat. Cmt. Early Childhood Ed. Psychol. Asn; Soc. Res. Child Develop; Int. Coun. Psychol. Analysis of children's expansion in knowledge and interest through cultural and psychological guidance. Publ: Co-auth, Children tell stories: an analysis of fantasy, Int. Univs. 63, The guidance nursery school, Harper, 64 and Helping young children learn, C.E. Merrill, 66. Address: Eliot-Pearson Dept. of Child Study, Tufts University, Medford, Mass. 02155.

PITCHER, DR. ROBERT W(ALTER), b. Grand Rapids, Mich, Oct. 26, 18; m. 43; c. 2. PSYCHOLOGY. A.B. Alma Col, 46; M.R.E. North. Baptist Sem, 49; Ph.D.(ed. psychol), Michigan, 53. Assoc. prof. psychol. & chmn. dept. BALDWIN-WALLACE COL, 52-59, dean students, 59-65, V.PRES. STUDENT AFFAIRS, 65- Dir, Ed. Develop. Center, 64- Psychol. Asn; Col. Personnel Asn. Diagnosis and rehabilitation of college failures. Address: 281 Westbridge Dr, Berea, Ohio 44017.

PITKIN, PROF. DONALD S(TEVENSON), b. Boston, Mass, Jan. 6, 22; m. 48. ANTHROPOLOGY. B.A. Harvard, 47, M.A. 50, Thaw fel, 52-53, Ph.D. 54. Asst. tech. proj, Yale, 53; res. assoc. dept. econ. Mass. Inst. Tech, 53-54; from asst. prof. to assoc. prof. sociol. & chmn. dept. sociol. & anthrop. Northeastern, 54-64; assoc. prof. ANTHROP. AMHERST COL, 64-66, PROF. & CHMN. DEPT. 66- U.S.A., 42-46, Lt. Anthropol. Asn; Soc. Appl. Anthropol. Sociol. Asn; Ethnol. Soc. Community research; peasant society; European ethnology. Publ: Consideration of asymmetry in the peasant-city relationship, Anthropol. Quart; Land tenure and family organization in an Italian village, Human Orgn; Partible inheritance and the open fields, Agr. Hist. Address: 61 Lincoln Ave, Amherst, Mass. 01002.

PITKIN, DR. HARVEY, b. New York, N.Y., Apr. 22, 28; m. 63; c. 1. LINGUISTICS, ANTHROPOLOGY. B.A. California, Berkeley, 55, Wenner Gren Found. fel, 57-63, univ. fel, 63, Ph.D.(ling), 63. Asst. prof. ling. California, Berkeley, 60-64; ANTHROP. COLUMBIA, 64-67, ASSOC. PROF, 67- Fel. Anthropol. Asn; Ling. Soc. Am. General linguistics, especially synchronic and diachronic theory and methodology; anthropological linguistics; North American Indian languages. Publ: Co-auth, A comparative survey of California Penutian, 7/58 & auth, A bibliography of the Wintun family of languages, 1/62, Int. J. Am. Ling; co-auth, A comparison of Miwok and Wintun, Univ. Calif. Pub. Ling, 34: 19-48. Address: Dept. of Anthropology, Columbia University, 452 Schermerhorn Hall, New York, N.Y. 10027.

PITMAN, PROF. DOROTHY ELIZABETH, b. Newnan, Ga, Apr. 30, 22. SOCIOLOGY, ANTHROPOLOGY. A.B. Hardin-Baylor Col, 52; fel, North Carolina, 55-56, M.A. 58, South. Fels. Fund fel, 58-59, Ph.D.(sociol), 60. Asst. to sales & gen. mgr, Alcoma Packing Co, Inc, Fla, 41-47; instr. sociol. & resident counsr, Mercer, 53-55; asst, North Carolina, 56-58; asst. prof. SOCIOL, Austin Col, 59-60; assoc. prof, Carson-Newman Col, 60-64; PROF, GA. COL. MILLEDGEVILLE, 64-, CHMN. DEPT. 66- Sociol. Asn; Nat. Coun. Crime & Delinquency. Minority group relations, especially the American Negro; community and community development; gerontology and geriatrics. Publ: Reactions to desegregation: a study of Negro mothers. Address: Dept. of Sociology, Georgia College at Milledgeville, Milledgeville, Ga. 31061.

PITT, DR. DAVID CHARLES, b. Wellington, N.Z., Aug. 15, 38; m. 59; c. 4. SOCIAL ANTHROPOLOGY, SOCIOLOGY. B.A. New Zealand, 61; B.Litt, Oxford, 63, D.Phil.(soc. anthropol), 66. ASST. PROF. SOCIOL. & ANTHROP, VICTORIA (B.C.), 67- Am. Anthropol. Asn; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Sociology of economic development; ethnic and minority relations; social anthropology of Oceania; Southeast Asia; Eastern Europe. Publ: Obstacles to economic development in Polynesia; J. Polynesian Soc, 62. Address: Dept. of Anthropology & Sociology, University of Victoria, Victoria, B.C., Can.

PITT, HYMAN, b. Boston, Mass, Nov. 28, 20; m. 43; c. 4. STATISTICS. M.S. Wisconsin, 49. Statistician, Wisconsin, 50-56; instr. math, exten. div, 51-56; statist. analyst, gen. prod. control dept, Oscar Mayer & Co, 56-62; mgr, statist. serv. div, qual. control dept, United Fruit Co, 62-67; DIR. ED. & TRAINING INST. AM. SOC. QUAL. CONTROL, 67- U.S.A.A.F., 43-46. Statist. Asn; Opers. Res. Soc; Inst. Math. Statist. Educational statistics; statistical quality control. Publ: Comparison of ability and background of University of Wisconsin freshmen according to distance from home to the university or another college, J. Ed. Res; Staying power and rate of progress of University of Wisconsin freshmen, Col. & Univ; Quality control of packaged food products, Food Qual. Control. Address: 6810 N. Neil Place, Milwaukee, Wis. 53209.

PITTERMAN, PROF. MARVIN, b. Buffalo, N.Y., Dec. 25, 12; m. 44; c. 2. FINANCE. B.S. Buffalo State Teachers Col, 34; M.A. Michigan, 36; Ph.D. N.Y. Univ, 55; London Sch. Econ, 60-61. Teacher, high schs, N.Y., 36-42; asst. prof. ECON, RHODE ISLAND, 46-56, assoc. prof, 56-68, PROF, 68- U.S.A., 42-44. Econ. Asn; Econ. Hist. Asn; Hist. Asn; Finance Asn. Business history; financial institutions and security market. Publ: Farm corporation. Address: 151 Bretton Woods Dr, Cranston, R.I. 02920.

PITTMAN, PROF. DAVID J(OSHUA), b. Rocky Mount, N.C., Sept. 18, 27. SOCIOLOGY. B.S. North Carolina, 49, M.A. 50; Asher fel, Chicago, 54, Ph.D. (human develop), 56. From instr. to asst. prof. sociol, Rochester, 50-58; WASHINGTON (ST. LOUIS), 58-60, assoc. prof. SOCIOL, 58-63, PROF. & DIR. SOC. SCI. INST, 63- Nat. Inst. Ment. Health fel, London & Netherlands,

66-67. Co-founder, St. Louis Detoxification Center. Consult, St. Louis Metrop. Police Dept, 59-; State of Mo, 62; Mayor, City of St. Louis, 65- Pres, N.Am. Asn. Alcoholism Progs, 65-67, chmn, Int. Cong. Alcohol & Alcoholism, 68; exec. v.chmn, Gov. Adv. Coun. Alcohol & Alcoholism, 66-; mem. adv. cmt. alcoholism, Nat. Inst. Ment. Health, 67. U.S.A.A.F., 46-48. Sociol. Asn; Soc. Study Social Probs. Alcoholism; criminology; population; social psychiatry. Publ: Co-auth, Revolving door, Rutgers Center, 58; ed, Alcoholism, Harper, 67; co-auth, The drug scene in Great Britain, journey into loneliness, Arnold, 67. Address: Social Science Institute, Washington University, St. Louis, Mo. 63130.

PITTMAN, PROF. JOSEPH A(VERY), b. Charleston, S.C., Mar. 6, 13; m. 40. STATISTICS. A.B. Talladega Col, 36; Sc.M. N.Y. Univ, 37; Ed.D.(statist), Columbia, 46. Chmn. dept. math, Del. State Col, 37-42; W.Va. State Col, 42-45; PROF. ED. & MATH. & CHMN. DEPT. ED, N.C. COL. DURHAM, 47-, DIR. INSTNL. SELF-STUDY, 66-, dean col. arts & sci, 64-66. Statist. Asn; Psychomet. Soc; Ed. Res. Asn. Educational and psychological statistics and measurement. Publ: Study of the suitability of an attitude-gauging instrument for assaying the attitude-toward-schooling in a group of sixth grade Negro pupils & Study of the prediction of academic achievement in publicly-supported colleges for Negroes, J. Negro Ed; Proposed educational programs for Negro schools, a review and appraisal, Negro Ed. Rev. Address: North Carolina College, Durham, N.C. 27707.

PITTS, DR. FERRIS N(EWCOMB), JR, Psychiat, Neurochem, see 11th ed, Phys. & Biol. Vols.

PITTS, PROF. FORREST R(ALPH), b. Grand Junction, Colo. Mar. 3, 24; m. 45; c. 3. GEOGRAPHY. B.A. Michigan, 48, Chinese Embassy scholar, 48-49, M.A. 49, Soc. Sci. Res. Coun. fel, Ph.D.(geog), 55. Asst. prof. GEOG, Hawaii, 52-53; instr, Oregon, 55-57, asst. prof, 57-62, assoc. prof, 62-64; PROF, Pittsburgh, 64-65; HAWAII, 65- Res. assoc, Pac. Sci. Bd. Nat. Res. Coun, 53-54; center Japanese studies, Michigan, 55. Asn. Am. Geog; Regional Sci. Asn; Asn. Asian Studies. Human geography; statistical methods; simulation. Publ: Co-auth, Postwar Okinawa & Introduction to human geography; auth, Land use model of von Thunen. Address: 4658 Sierra Dr, Honolulu, Hawaii 96816.

PITTS, DR. GAYLORD E, b. Mt. Horeb, Wis, Aug. 24, 15; wid; c. 1. POLITICAL SCIENCE, EDUCATION. B.A. St. Olaf Col, 37; California, Los Angeles, 38-39; M.A. Wisconsin, 40, Ph.D.(ed), 42. Teacher & coach, high sch, Minn, 37-38; personnel interviewer, CALIF. DEPT. EMPLOY, 46-49, asst. res. technician, 49-52, MANPOWER ANALYST, 52- U.S.A.A.F., 42-46, M/Sgt. Statist. Asn. Estimating employment and unemployment in labor market areas; experimental studies in measuring job vacancies; analyzing manpower development and training programs. Address: Research & Statistics Dept, California Dept. of Employment, 1525 S. Broadway, Los Angeles, Calif. 90015.

PITTS, PROF. JESSE R(ICHARD), b. Palestine, Ohio, June 13, 21; m. 47; c. 4. SOCIOLOGY. A.B. Harvard, 41, M.A. 50, Ph.D. 57. Pres. Tri-State Corp. Morocco, 46-49; sociologist, Worcester State Hosp, Mass, 56-57; res. assoc, Joint Cmn. Ment. Illness & Health, 57-59; asst. prof. sociol, Wayne State, 59-62, assoc. prof, 62-64; PROF. SOCIOL. & CHMN. DEPT. SOCIOL. & ANTHROP, OAKLAND, 64- Lectr. Ecole Pratique des Hautes Etudes. Sorbonne, 66-68; Ford Found-Soc. Sci. Res. Coun. fel. for res. in France, 67-68. Consult, Worcester State Hosp, Mass, 57-59. U.S.A.A.F., 42-45, Capt. Sociol. Asn. Sociological theory; sociology of the family; deviance and social control. Publ: Collab. Theories of society, Macmillan, 2 Vols, 61; co-auth, Continuities and change in Bourgeois France. In: In search of France, Harvard Univ, 63; auth, The structural functional approach to the family, In: The handbook on marriage and family, Rand McNally, 63. Address: Dept. of Sociology & Anthropology, Oakland University, Rochester, Mich. 48063.

PITTS, DR. NATHAN ALVIN, b. Macon, Ga, June 29, 13; m. c. 1. SOCIOLOGY. B.S. Xavier, 36; M.A. Catholic Univ, 44, Ph.D.(sociol), 50. Instr. sociol. & econ, N.C. Col. Durham, 44-45; chmn. dept. soc. sci, Shaw, 46-50; Coppin State Teachers Col, 50-61; UNESCO prof. specialist, div. int. ed, U.S. OFF. ED, 61-65, CHIEF INT. ORGNS. RECRUITMENT, OFF. ASSOC. CMNR. INT. ED, 65. International education. Address: International Organizations Recruitment, Institute of International Studies, U.S. Office of Education, Washington, D.C. 20202.

PITTS, DR. RAYMOND J(ACKSON), Math, see 11th ed, Phys. & Biol. Vols.

PITZ, DR. GORDON F(RANCIS), b. Bradford, Eng, Dec. 30, 37; m. 63; c. 1. PSYCHOLOGY. B.A. Leeds, 58; M.A. Dalhousie, 60; Ph.D.(psychol), Carnegie Inst. Tech, 63. Instr. PSYCHOL, Carnegie Inst. Tech, 62-63; asst. prof, SOUTHERN ILLINOIS, 63-67, ASSOC. PROF, 67-, acting chmn. dept, 67-68. Psychol. Asn. Mathematical psychology; Bayesian statistics; decision theory and the use of normative models in the description of human decision making and judgment. Publ: Co-auth, Optimal behavior in a decision making task, 4/67 & auth, Information seeking when available information is limited, 2/67, J. Exp. Psychol; co-auth, Sequential effects in the revision of subjective probabilities, Can. J. Psychol, 10/67. Address: Dept. of Psychology, Southern Illinois University, Carbondale, Ill. 62901.

PIVNICK, DR. HAROLD, b. N.Y., Jan. 23, 13; m. 36; c. 1. PSYCHOLOGY. B.A. Brooklyn Col, 33; M.S. City Col. New York, 38; Ph.D.(clin. psychol), N.Y. Univ, 50. Mem. staff & res. proj. dir, Richardson, Bellows, Henry & Co, Inc, 46-52; CLIN. PROF. PSYCHOL, MEM. ADMIN. CMT. & SUPVR. POSTDOCTORAL INST. PSYCHOTHER, ADELPHI, 64- Psychoanal. psychotherapist, Huntington Twp. Ment. Health Center, 50-; private practice, 52- U.S.A., 43-46. Psychol. Asn; Group Psychother. Asn; Asn. Adv. Psychother. Psychotherapy; psychoanalysis. Address: 7 Kennedy Lane, Cold Spring Harbor, N.Y. 11724.

PIZZAT, DR. FRANK J(OSEPH), b. Creekside, Pa, Aug. 27, 24; m. 47; c. 3. PSYCHOLOGY. B.S. Pittsburgh, 48, M.S. 49, Ph.D.(psychol), 52. Chief clin. psychol, Vet. Admin. Hosp, Erie, Pa, 52-54, staff psychologist, Pittsburgh, Pa, 54-55; dir. psychol. serv, Gannon Col, 55-60; exec. dir, Erie

Guid. Center, 60-66; DIR. PSYCHOL. SERV. GANNON COL., 66- Dipl. Am. Bd. Exam. Prinf. Psychol. U.S.A. 43-45. Psychol. Asn; Orthopsychiat. Asn; Group Psychother. Asn. Personality theory; psychotherapy; behavior therapy; operant group therapy with children. Address: Gannon College, Erie, Pa. 16501.

PLACE, JOHN L(OUIS), b. Santa Monica, Calif. Sept. 4, 25; m. 52; c. 3. GEOGRAPHY. M.A. California, Los Angeles, 52; Maryland, 64-66. Mil. intel. res. specialist, U.S. Dept. Army, 52-54; geogr. Stanford Res. Inst. 54-56; mil. ops. researcher, Syst. Develop. Corp. 56-63; GEOGR. Off. Naval Res. Wash. D.C. 63-66; OFF. STAFF GEOGR. U.S. GEOL. SURV. 66- U.S.N. 43-46, 61-63, Comdr. AAAS; Soc. Photogrammetry; Asn. Am. Geog. Industrial geography; geomorphology; coastal and military geography; air photo interpretation. Address: Office of Staff Geographer, U.S. Geological Survey, Washington, D.C. 20242.

PLAEHN, PROF. ERMA B, b. Reinbeck, Iowa, Oct. 28, 06. POLITICAL SCIENCE. B.A. Cornell Col. 28; M.A. Iowa, 33, Ph.D.(polit. sci), 36. Teacher, high sch. Iowa, 28-31; instr. govt. high sch. Univ. Iowa, 31-36; PROF. POLIT. SCI. NORTHERN IOWA, 36-, soc. studies supvr. of student teaching, univ. lab. high sch. 36-45, sabbatical for individual res. 67. Polit. Sci. Asn. Comparative government; functioning of state and local government, especially the government of Iowa. Address: Dept. of Political Science, University of Northern Iowa, Cedar Falls, Iowa 50613.

PLAG, DR. JOHN A(VNER), b. Woodbury, N.J. Apr. 30, 27; m. 50; c. 3. CLINICAL PSYCHOLOGY. B.A. Yale, 48; M.A. Bradley, 53; Ph.D. Loyola (Ill), 62. Intern. clin. psychol. Elgin State Hosp. Ill. 48-49; psychologist, East Moline State Hosp. 49-50; Peoria State Hosp. 50-52; instr. clin. & abnorm. psychol. Bradley, 52; clin. psychologist, recruit eval. unit, admin. command, U.S. Naval Training Center, Great Lakes, 52-60; RES. PSYCHOLOGIST, U.S. NAVY MED. NEUROPSYCHIAT. RES. UNIT, 60- Lectr. San Diego, 64- Statist. consult, 66- Psychol. Asn. Development of procedures and techniques for psychiatric assessment of military personnel; statistics; psychological test construction; multivariate analyses; research methodology. Publ: Some considerations of the value of the psychiatric screening interview, J. Clin. Psychol. 61; co-auth. Psychiatric re-examination of unsuitable Naval recruits: a two-year followup, Am. J. Psychiat. 65 & The prediction of four-year military effectiveness from characteristics of Naval recruits, Mil. Med. 66. Address: Navy Medical Neuropsychiatric Research Unit, San Diego, Calif. 92152.

PLAMBECK, PROF. HANS H(EINRICH), b. Hamburg, Germany, Feb. 9, 11; nat; m. 39; c. 2. SOCIOLOGY. B.A. Oregon, 35, M.A. 38; Ph.D.(rural sociol), Cornell, 41. Instr. sociol. Mont. State Col. 41-42, asst. prof. 42-43, 45-46, math, 43-45; SOCIOL. OREGON STATE, 46-50, assoc. prof. 50-56, PROF. & CHMN. DEPT. 56- Fulbright res. scholar, New Zealand, 52-53. Sociol. Asn; Pop. Asn. Rural sociology; population; minority groups. Publ: Co-auth. Montana population changes and prospects & Social participation of farm families; Culture and social change, In: Final report on Warm Springs study, Oregon State Univ. 61. Address: Dept. of Sociology & Anthropology, Oregon State University, Corvallis, Ore. 97331.

PLANCK, DR. CHARLES R(OBERT), b. Washington, D.C. July 23, 40; m. 62; c. 2. POLITICAL SCIENCE. B.A. Oberlin Col. 62; M.A. Hopkins, 64, Ph.D. (int. rels), 68. Res. asst. int. polit. German Soc. For. Polit. W.Germany, 64-65; Wash. Center For. Policy Res. 65-67; LECTR. POLIT. SCI. STATE UNIV. N.Y. BUFFALO, 67- International politics; Western European foreign policy; disarmament and arms control; history of the international system. Publ: The changing status of German reunification in Western diplomacy, Johns Hopkins, 67; Sicherheit in Europa, R. Oldenbourg Verlag, 68. Address: 4238 Ridge Lea Rd. Amherst, N.Y. 14226.

PLANCK, DR. RUSSELL E(VERETT), Hist. Sociol. see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

PLANK, PROF. EMMA N, b. Vienna, Austria, Nov. 11, 05; nat; m. 32. PSYCHOLOGY, EDUCATION. M.A. Mills Col. 47. From teacher to dir. Montessori Sch. Vienna, 31-38; Presidio Hill Sch. San Francisco, 39-47; instr. child develop. Mills Col. 47-48; dir. spec. proj. Am. Friends Serv. Cmt. 48-50; ASSOC. PROF. CHILD DEVELOP. CASE WESTERN RESERVE, 51- Lectr. cols. 46-50; dir. child life & ed. Metrop. Gen. Hosp. Cleveland, Ohio. Consult. Nat. Adv. Cmt. Ed. Disadvantaged Children, 66. Fel. Soc. Res. Child Develop; Orthopsychiat. Asn. Emotional influences on learning; autobiographies in relation to child development; hospitalization of children; relationships of twins; Montessori method. Publ: Working with children in hospitals, Western Reserve Univ. 62; Emotional components in arithmetical learning as seen through autobiographies, In: Psychoanalytic study of the child, 54; Reflections on the revival of the Montessori method, J. Nursery Ed. 5/62 & In: Montessori in perspective, Nat. Asn. for Ed. of Young Children, Wash. 66. Address: 2387 Overlook Rd. Cleveland, Ohio 44106.

PLANK, DR. JOHN N(ATHAN), b. Dayton, Ohio, July 22, 23; m. 52; c. 3. INTERNATIONAL RELATIONS, POLITICAL SCIENCE. A.B. Harvard, 49, univ. fel. 55-59, Doherty fel. 57-58, Ph.D. 59; M.A. Haverford Col. 53. Instr. govt. Harvard, 59-61, asst. prof. 61-62; res. assoc. center int. affairs, 59-63, Bliss fel. 61-62; prof. Latin Am. affairs, Fletcher Sch. Law, 62-63; dir. Off. Res. & Anal. Am. Repub. Bur. Intel. & Res. U.S. Dept. State, 63-64; SR. FEL. FOR. POLIT. STUDIES, BROOKINGS INST. 64- Summer asst. prof. Northwestern, 59. Consult. U.S. Dept. State, 64-; Wash. Inst. Int. Affairs, 65- Mem. Coun. For. Rel. 65-; pres. Inter-Am. Coun. D.C. 66-67. Superior honor award, U.S. Dept. State, 64. U.S.A. 42-45. Polit. Sci. Asn; Latin Am. Studies. Asn. (treas. 66-); Soc. Pub. Admin; Soc. Int. Develop. / Latin American politics, government and political development; nationalism in societies in process of rapid change; recruitment of political leaders in developing societies; United States and Latin American relations. Publ: American committee on dependent territories, Pub. Policy; The Alliance for Progress: problems and prospects, Daedalus, fall 62; The Caribbean: intervention when and how, For. Affairs, 10/65. Address: 3319 Newark St. N.W. Washington, D.C. 20008.

PLANK, DR. ROBERT, b. Vienna, Austria, Jan. 17, 07; m. 32. SOCIAL PSYCHOLOGY. LL.D. Vienna, 31; M.S.W. California, 48. Psychiat. soc. worker, VET. ADMIN. 46-60, SUPV. CLIN. SOC. WORKER, 60- U.S.A. 43-45. Fel. Orthopsychiat. Asn; Acad. Cert. Soc. Workers. Interrelationship of social and psychological phenomena, especially psychopathology. Publ: Co-auth. Psychological observations on C.S. Lewis' trilogy, Univ. Southern Illinois Press, in press; auth. The emotional significance of imaginary beings, C.C. Thomas, 68. Address: 2387 Overlook Rd. Cleveland Heights, Ohio 44106.

PLANK, DR. STEPHEN J, Pub. Health, see 11th ed, Phys. & Biol. Vols.

PLANK, TOM M(ILES), Econ, see 10th ed, Soc. & Behav. Vols.

PLANO, PROF. JACK CHARLES, b. Merrill, Wis. Nov. 25, 21; m. 54; c. 2. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. A.B. Ripon Col. 49; M.A. Wisconsin, 50, Ph.D. 54. Clerk ord. Rock Island Arsenal, U.S. Civil Serv. 41-42; asst. prof. POLIT. SCI. WESTERN MICHIGAN, 52-55, ASSOC. PROF. 55- Summer, Ford Found. grant, 57. Consult. Tech. Planning Center, Inc. Ann Arbor, Mich. 66-67. U.S.A. 42-45, Sgt. Polit. Sci. Asn. United Nations. Publ: Co-auth. The American political dictionary, Holt, 62, 2nd ed, 67 & Forging world order, Macmillan, 67; auth. The United Nations and the India-Pakistan dispute, Univ. Manila, 67. Address: Dept. of Political Science, Western Michigan University, Kalamazoo, Mich. 49001.

PLANT, PROF. WALTER T, b. Los Angeles, Calif. Feb. 19, 23; m. 45; c. 2. PSYCHOLOGY. A.B. San Jose State Col. 48; M.S. Washington State, 49; Ph.D. Stanford, 56. Instr. psychol. SAN JOSE STATE COL. 49-54, asst. prof. 55-57, grad. counsr. 55-60, proj. investr. U.S. Off. Ed. res. contracts, 58-62, prin. investr. 60-63, from assoc. prof. to PROF. PSYCHOL. 58- U.S.M.C. 42-45, Sgt. Psychol. Asn. Development and nature of intelligence; development and modification of attitudes and other personality characteristics. Publ: Changes in ethnocentrism associated with a two-year college experience, J. Genetic Psychol; Changes in ethnocentrism associated with a four-year college education, J. Ed. Psychol. Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 95114.

PLANTY, DR. EARL G(ERALD), b. Mar. 5, 06; m. 39; c. 2. EDUCATIONAL & SOCIAL PSYCHOLOGY. B.A. St. Lawrence, 30; M.A. Columbia, 32; Ph.D. Cornell, 41. Exec. counsr. Johnson & Johnson, 43-56; prof. mgt. col. commerce, Illinois, Urbana, 56-67; PRIVATE CONSULT, 67- Organizer & dir. sch. adv. mgt. Chile, 56; dir. Sr. Seminar Mgt. Princeton, N.J. 56- distinguished vis. prof. Southern California, 63; dean col. bus. admin. Haile Selassie, 64-66. Consult. Coun. Int. Progress Mgt. Chmn. Am. cmt. exec. develop. Int. Mgt. Conf. Brazil, 54; mem. Nat. Indust. Conf. Bd. Mgt. Asn. Fel. Acad. Mgt. Executive development; communications; behavioral science in industry; international management. Publ: Co-auth. Training employees and managers for production and teamwork, Developing management ability & The role of the business college in a developing society, J. Bus. Ethiopia, Haile Selassie Univ. 66. Address: 19 Possum Trail, Upper Saddle River, N.J. 07458.

PLASSE, DR. WILLIAM B(ARSALOU), b. R.I. Nov. 20, 16; m. 46; c. 2. PSYCHOLOGY. Ph.B. Providence Col. 38; Ed.B. R.I. Col. Ed. 39; M.Ed. St. Lawrence, 48; Ph.D. Syracuse, 51. Asst. Syracuse, 49-50; res. assoc. Buffalo Schs. Surv. N.Y. 50-51; psychol. consult. ROHRER, HIBLER & REPOGLE, 51-66, RESIDENT PARTNER, 66- U.S.A.A.F. 42-46. Psychol. Asn. Executive development; supervisory training; personnel selection. Publ: Co-auth. Managers for tomorrow, New Am. Library, 65; Comparison of factors of achievement in college and in adult life. Address: 15417 E. Condesa Dr. Whittier, Calif. 90603.

PLATENIUS, DR. HANS, Agr. Econ, see 10th ed, Soc. & Behav. Vols.

PLATENIUS, DR. PETER H, b. Ithaca, N.Y. Oct. 20, 36; m. 68. PSYCHOLOGY. B.A. Haverford Col. 61; Nat. Sci. Found. fel. Bryn Mawr Col. 62, U.S. Pub. Health Serv. fel. & M.A. 63; U.S. Pub. Health Serv. fel. Connecticut, 64, Ph.D.(psychol), 67. Lectr. PSYCHOL. QUEEN'S (ONT), 66-67, ASST. PROF. 67- McLaughlin Sci. Found. res. grant, 67; Nat. Res. Coun. Can. operating grant, 68-69. U.S.N. 55-59. Visual perception; role of the limbic system of the brain in habituation and dishabituation phenomena; curiosity; incubation of anxiety. Address: 112 Gore St. Apt. 5, Kingston, Ont. Can.

PLATH, DR. C(LARENCE) V(INTON), b. Fargo, N.Dak. May 30, 16; m. 41; c. 3. AGRICULTURAL ECONOMICS. B.S. N.Dak. Agr. Col. 37; M.S. Vermont, 39; U.S. Naval Acad. 43-44; Ph.D.(agr. econ), Cornell, 47. Jr. soil surveyor, soil conserv. serv. U.S. Dept. Agr. 39-41; asst. prof. agr. econ. Purdue, 47-48; from asst. prof. to assoc. prof. Oregon State, 48-60; LAND ECONOMIST, FOOD & AGR. ORGN. UN. Mex. 60-65, INST. AGR. SCI. TURKIALBA, COSTA RICA, 65- Vis. prof. Kasetsart Univ. Bangkok, 57-59. Mem. Int. Conf. Agr. Econ. U.S.N. 42-45, Lt. Agr. Econ. Asn. Land economics; agriculture land use and development planning. Publ: Economic land classification; Uso potencial de la tierra, Informe AT 2234, UN Food & Agr. Orgn. 67. Address: Institute of Agricultural Sciences, Turrialba, Costa Rica.

PLATH, DR. DAVID W(ILLIAM), b. Elgin, Ill. Dec. 8, 30; m. 56; c. 2. ANTHROPOLOGY. B.S. Northwestern, 52; M.A. Harvard, 59, Ph.D.(anthrop), 62. Lectr. ANTHROP. California, Berkeley, 61-63; asst. prof. Iowa, 63-64, ASSOC. PROF. 64-66; ILLINOIS, URBANA, 66- Am. Coun. Learned Soc. Soc. Sci. Res. Coun. & Wenner-Gren Found. Anthropol. Res. field res. grant, Japan, 65. U.S.N. 52-55, Lt.(jg). Anthropol. Asn; Ethnol. Soc. Asn. Asian Studies. Cultural anthropology and East Asian studies; culture and social organization of China and Japan; linguistic and political anthropology; work and leisure in modern civilizations; utopianism and utopian communities. Publ: The after hours: modern Japan and the search for enjoyment, Univ. California, 64; Where the family of God is the family, 64 & The fate of utopia: four Japanese groups, 66, Am. Anthropologist. Address: Dept. of Anthropology, 109 Davenport Hall, University of Illinois, Urbana, Ill. 61801.

PLATIG, DR. E(MIL) RAYMOND, b. N.J., Mar. 29, 24; m. 48; c. 2. INTERNATIONAL RELATIONS. A.B., Albion Col., 48; univ. fel., Emory, 48-49, M.A., 49; Ford Found. Fund Adv. Ed. faculty fel., Chicago, 51-52, Ph.D., 57. Asst. prof. hist., Millsaps Col., 49-51; int. rela., Denver, 53-59, assoc. prof., 59-61; dir. studies, Carnegie Endowment Int. Peace, 61-66; DIR, OFF. EXTERNAL RES, U.S. DEPT. STATE, 66- Mem. staff, Soc. Sci. Found., 53-61; Coun. For. Rel., 65-; adv. cmt. int. affairs, United Presby. Church in U.S., 66- U.S.A.A.F., 43-46. AAAS; Polit. Sci. Assn; Int. Studies Assn; Mid. East Studies Assn. International politics; American foreign policy; social science methodology. Publ: United States and world affairs; United States and the Soviet challenge; International relations research: problems of evaluation and advancement, Clio Press, 67. Address: Office of External Research, U.S. Dept. of State, Washington, D.C. 20520.

PLATT, PROF. CHARLES E(DWARD), b. Findlay, Ohio, Oct. 1, 20; m. 51. PSYCHOLOGY. A.B., Wittenberg Col., 42; M.A., Ohio State, 47, Ph.D.(psychol.), 51. Asst. prof. PSYCHOL, Idaho State Col., 51-52; DePauw, 52-54, assoc. prof., 54-57; GETTYSBURG COL., 57-63, PROF., 63- U.S.A., 42-46. AAAS; Am. Inst. Biol. Sci. Psychology of learning, motivation; physiological psychology. Publ: Effect of DFP on learning and retention following physiological recovery, J. Comp. Physiol. Psychol., 57; co-auth., Response termination of the cue stimulus in classical and instrumental conditioning, J. Exp. Psychol. & Ten years of psychological research in the United States and Canada, J. Gen. Psychol., 63. Address: Gettysburg College, Gettysburg, Pa. 17325.

PLATT, DR. EDWARD E(UGENE), b. Hartford, Conn., June 30, 37; m. 63. POLITICAL SCIENCE. B.A., Connecticut, 62, Nat. Defense Ed. Act fel. & M.A., 63, Ph.D.(polit. sci.), 67. Lectr. POLIT. SCI., Connecticut, 65-66, instr., Hartford br., 66-67; asst. prof., INDIANA UNIV. PA., 67-68, ASSOC. PROF., 68- Intel. C. U.S.A., 55-58. Austrian government and politics; international relations; foreign policy. Address: Dept. of Political Science, Indiana University of Pennsylvania, Indiana, Pa. 15701.

PLATT, DR. HENRY, b. Boston, Mass., Aug. 6, 19; m. 49; c. 2. CLINICAL PSYCHOLOGY. B.S., Boston, 37, M.Ed., 38; M.A., Columbia, 50; Ph.D., Yeshiva, 52. Dir. Westinghouse Jr. Hall Sci. N.Y. World's Fair, 39-40; lab. gifted child res., Am. Inst. City New York, 40-42; clin. psychologist, Halloran Vet. Admin. Hosp., 47-50; chief clin. psychologist, Family & Children's Serv., 50-54; attend. clin. psychologist, Boston City Hosp., Mass., 54-55; chief, counseling serv., Devereux Schs., 55-57, clin. psychologist & dir. psychol. training, Devereux Found. Inst. Res. & Training, 57-67, DIR, DEVEREUX INST. RES. & TRAINING, 67- Attend. counseling psychologist, Personnel Res. Center, 57-60. Consult, New Eng. Kurn Hattin Homes, 53-55; private consult., 55-; consult, Kis-Lyn Indust. Sch. for Boys, 60-; res. consult, prfnl. exam. serv., Am. Pub. Health Assn., 60-63. U.S. Maritime Serv., 43-46; U.S.P.H.S.R., 57-, Scientist. Fel. Psychol. Assn; fel. Soc. Proj. Tech; Orthopsychiat. Assn; Group Psychother. Assn; Personnel & Guid. Assn. Psychodiagnostics and psychoprognoisis; evaluation of movement in psychotherapy; group psychotherapy; therapeutic and remedial education techniques; delinquency; parent education; mental retardation; mental health. Address: 5 Eisenhower Dr., Malvern, Pa. 19355.

PLATT, DR. HERMANN K, Am. Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

PLATT, DR. JOHN RAYMOND, b. U.S., Nov. 9, 42; m. 63; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A., Kansas, 64; Ph.D.(psychol.), Texas, 67. ASST. PROF. PSYCHOL, IOWA, 67- Sr. consult, Knoxville Vet. Admin. Hosp., 67- Psychol. Assn; Psychonomic Soc. Behavior theory, learning and motivation; motor skills; mathematical models. Publ: Co-auth., UCS intensity and performance in eyelid conditioning, Psychol. Bull., 66; auth., Intertrial interval and response competition in discrete-trials lever pressing, Am. J. Psychol., 67; Differential magnitude of reward conditioning as a function of predifferential reward magnitude, J. Exp. Psychol., in press. Address: Dept. of Psychology, University of Iowa, Iowa City, Iowa 52240.

PLATT, DR. PHILIP SKINNER, Pub. Health, see 11th ed, Phys. & Biol. Vols.

PLATT, RAYE R(OBERTS), Geog., see 10th ed, Soc. & Behav. Vols.

PLATT, DR. ROBERT M, b. Utica, N.Y., June 10, 28; m. 47; c. 4. SOCIOLOGY, ANTHROPOLOGY. B.A., Milligan Col., 52; B.D., Lexington Theol. Sem., 56; Ed.D.(sociol. & anthrop.), Tex. Tech. Col., 63. Instr. philos., Tex. Tech. Col., 58-62; sociol. & philos., South Plains Col., 62-63; asst. prof. sociol. McMurry Col., 63, chmn. dept., 63-67; ASSOC. PROF. SOCIOL. & CHMN. DEPT. BEHAV. SCI., TARRANT COUNTY JR. COL., 67- Danforth assoc., 65-67. Participant, Nat. Sci. Found. Summer Anthropol. Inst., Colorado, 65. Consult, Hogg Found. Proj., Abilene Family Serv. Coun., 64-66. Soc. Sci. Study Relig.; Sociol. Assn. Sociology of education and religion. Address: Dept. of Behavioral Science, Tarrant County Junior College, Ft. Worth, Tex. 76119.

PLATT, PROF. ROBERT S(WANTON), Geog., see 10th ed, Soc. & Behav. Vols.

PLATT, WASHINGTON, Polit. Sci., Int. Rel., see 10th ed, Soc. & Behav. Vols., deceased 65.

PLATT, WILLIAM J(AMES), b. Alamosa, Colo., Aug. 7, 16; m. 41; c. 7. INDUSTRIAL ECONOMICS. B.A., Pomona Col., 38; M.S., Mass. Inst. Tech., 41. Chief methods & control, Consol. Vultee Aircraft, 41-49; from asst. dir. econ. res. to dir. mgt. sci. div., STANFORD RES. INST., 49-63, DIR. MAN-POWER & ED. RES., 63- Lectr., Stanford Int. Develop. Ed. Center, 63- Management sciences; education and operations research; manpower and educational planning; industrial managerial development planning. Publ: Conflicts in educational planning, In: Education and political development, Princeton Univ. Press, 65; Manpower planning in Thailand, Educational planning, Syracuse Univ. Press, 65; chap. In: Occupational data requirements for education planning, Univ. Wisconsin, 66. Address: 151 Laurel St., Atherton, Calif. 94025.

PLAUT, DR. THOMAS F(RANZ) A(LFRED), b. New York, N.Y., Dec. 29, 25; m. 50; c. 6. CLINICAL PSYCHOLOGY. B.A., Swarthmore Col., 49; Rantoul

scholar, Harvard, 49-50, Arnold fel., 50, univ. fel., 52-53, M.A., 53, Ph.D. (clin. psychol.), 56, M.P.H., 57. Asst. soc. rels., Harvard, 50-51; intern. clin. psychol., Judge Baker Guid. Center, 51-52; tutor soc. rels., Harvard, 52-53, asst. bur. study couns., 53-55, res. fel. ment. health, family guid. center, sch. pub. health, 55-59, instr. ment. health, community ment. health prog., 59-61; dir. alcoholism prog., Mass. Dept. Pub. Health, 61-62; res. asst., inst. study human probs., Stanford, 63-67; ASST. CHIEF, NAT. CENTER PREV. & CONTROL ALCOHOLISM, NAT. INST. MENT. HEALTH, 67- Clin. psychologist, Peter Bent Brigham Hosp., 52-57; resident, Russell Sage Found., 56-57; vis. lectr., Simmons Col., 59-62; clin. assoc. ment. health, community ment. health prog., sch. pub. health, Harvard, 61-62; lectr., dept. behav. sci., sch. hyg., Hopkins, 67- Consult, cmt. hosps., Group Adv. Psychiat., 62-65. Mem., N.Am. Assn. Alcoholism programs, 60-; Coun. Soc. Work Ed., 67- U.S.A., 44-46. Psychol. Assn; Sociol. Assn; fel. Pub. Health Assn; Fedn. Am. Sci.; Pop. Assn. Am. Epidemiology of mental illness; evaluation of mental health programs; community studies in alcoholism; evaluation of alcoholism programs; studies of alcohol education; coordination and planning of health and welfare programs. Publ: Personality in a communal society: an analysis of the mental health of the Hutterites, Univ. Kansas, 56; Alcohol problems: a report to the nation, Oxford Univ., 67; The treatment of alcoholism: a study of programs and problems, Joint Info. Serv., 67. Address: 5502 Western Ave., Chevy Chase, Md. 20015.

PLAXICO, PROF. JAMES S(AMUEL), b. Chester, S.C., Oct. 2, 24; m. 45; c. 4. AGRICULTURAL ECONOMICS. B.S., Clemson Col., 45, M.S., 48; Gen. Ed. Bd. fel., Minnesota, 50-51, Ph.D.(agr. econ.), 53. From assoc. prof. to prof. AGR. ECON, Va. Polytech., 51-55; PROF., OKLA. STATE, 55-, HEAD DEPT., 61- Ford Found. prog. adv., 68. U.S.A.A.F., 42-43. Econ. Assn; Agr. Econ. Assn. Production economics. Address: Dept. of Agricultural Economics, Oklahoma State University, Stillwater, Okla. 74074.

PLAYFORTH, PROF. ROSCOE, b. Crab Orchard, Ky., Oct. 6, 09; m. 35; c. 1. SOCIOLOGY. A.B., East Ky. State Col., 39; M.A., Kentucky, 48, Ed.D. 60. Teacher, pub. schs., Ky., 34-40, prin., 40-50, supt., 50-57; PROF. SOCIOL. MOREHEAD STATE, 57-, CHMN. DIV. SOC. SCI., 64-, DEAN SCH. SOC. SCI., 66- Sociol. Assn. Analysis of the place of the educational administrator in social and community affairs, especially in Kentucky. Address: Dept. of Sociology, Morehead State University, Morehead, Ky. 40351.

PLEASANTS, DR. EDWARD N(EWTON), Psychiat., see 11th ed, Phys. & Biol. Vols.

PLEASANTS, FREDERICK R(HODES), Anthropol., see 10th ed, Soc. & Behav. Vols.

PLEDGER, PROF. W. FARRELL, b. Tyler, Tex., May 29, 10; m. 38; c. 3. SOCIOLOGY. B.A., Southwestern, 35, M.A., 36; B.D., Duke, 37; Ph.D.(anthropol. sociol.), Hartford Sem. Found., 44. Prin., Florence B. Nicholson Sch., 38-40; high sch., Conn., 40-43; supt., village schs., India, 45-52; PROF. SOCIOL. CENTENARY COL., 53- Sociol. Assn; Anthropol. Assn. Bhils of India; city-jailed public offenders. Address: Dept. of Sociology, Box 4188, Centenary Station, Centenary College, Shreveport, La. 71104.

PLESHER, DR. MICHAEL A, b. East Monongahela, Pa., Sept. 1, 25; m. 47; c. 3. ECONOMICS. M.A., Pittsburgh, 48, Indust. Exchange fel., 49, Ph.D. (econ.), 50, M.P.H., 55. Instr., labor exten. serv., Pa. State, 47-53; rep. UNITED STEEL WORKERS AM., 50-56, RES. DIR. CMT. OLDER WORKERS, 56- 63, 65- Lectr., Pittsburgh, 47-52; res. dir., Phoenix Proj. Pupil Motivation, Ford Found. res. grant, 63-64; res. dir., Community Coun., Phoenix, Ariz., 63-64; lectr., Arizona State, 64- Consult. Off. Econ. Opportunity, 68-; chmn. Gov. Adv. Coun. Aged, Ariz. Econ. Assn; Statist. Assn; Pub. Health Assn; Pub. Welfare Assn; Acad. Polit. & Soc. Sci.; Sociol. Assn. Community services; political education and action; public health. Address: 2949 E. Shangri La Rd., Phoenix, Ariz. 85028.

PLISCHKE, PROF. ELMER, b. U.S., July 15, 14; m. 41; c. 2. POLITICAL SCIENCE. Ph.B., Marquette, 37; M.A., American Univ., 38; summer, Michigan, 38; Ph.D.(int. rels.), Clark, 43; Columbia, 43-44. Dist. supt. & state dir., State Hist. Records Surv., Wis., 40-42; exec. secy., Wis. War Records Cmn., 42-43; asst. prof. polit. sci., DePauw, 46-48; GOVT. & POLIT. MARYLAND, 48-49, assoc. prof., 49-52, PROF., 52-, HEAD DEPT., 54- Spec. historian, Off. U.S. High Cmnr. for Germany, 50-52; lectr., Army War Col., 53 & 63-66; Indust. War Col., 59-; Air War Col., 61-; Inter-Am. Defense Col., 63-65; Armed Forces Staff Col., 67. Consult, Md. Constitutional Convention Cmn., 65-67. Mem., U.S. Dept. State Adv. Cmt. For. Rel. of U.S., 67- U.S.N.R., 43-46. Polit. Sci. Assn; Soc. Int. Law. Conduct of American diplomacy; American foreign policy; diplomacy at the summit; foreign relations systems; German and Berlin government and politics; international organization and institutionalization; polar jurisdiction and politics. Publ: Summit diplomacy: personal diplomacy of the President of the United States, Bur. Govt. Res., Maryland, 58; Systems of integrating the international community, 64 & Conduct of American diplomacy, 3rd ed, 67, Van Nostrand. Address: 1530 Ainsley Rd., Silver Spring, Md. 20904.

PLISKOFF, DR. STANLEY S(TEWART), Exp. Psychol., see 10th ed, Soc. & Behav. Vols.

PLISSNER, DR. MURRAY S(TANLEY), b. New York, N.Y., Aug. 26, 24. PHYSIOLOGICAL PSYCHOLOGY. B.A., Brooklyn Col., 49, M.A., 54; Ph.D.(physiol. psychol.), N.Y. Univ., 59. Teacher biol. Bd. Ed., N.Y., 49-56; assoc. res. scientist, res. div., N.Y. Univ., 56-58; GUID. COUNSR., BD. ED., NEW YORK, 58-, teacher biol., 58-64. Lectr., grad. div., Brooklyn Col., 65- Private practice, 58- U.S.A., 43-46. AAAS; Psychol. Assn; Personnel & Guid. Assn; N.Y. Acad. Sci. Psychopharmacology; psychotomimetic drugs; human engineering and human factors analysis; complex weapons systems analysis; guidance and counseling; student personnel services. Publ: Pupil suspension as an administrative procedure in New York City Public Schools, Bd. Ed., New York, 64. Address: 350 Ocean Pkwy., Brooklyn, N.Y. 11218.

PLITT, JAMES ROBERT, b. Athens, Greece, Sept. 10, 28; U.S. citizen; m. 52; c. 4. POLITICAL SCIENCE, OPERATIONS RESEARCH. B.S.F.S., George-

town, 50; cert. Air Command & Staff Col, 64; dipl. indust. mgt, Indust. Col. Armed Forces, 66. Intel. officer, hq. U.S. Air Force, D.C. 51-55, dir. collections, hqs, 17th Air Force, Libya, 55-57, prof. French & spec. asst. to supt, U.S. Air Force Acad, 57-58, intel. officer, Joint Chiefs Staff, D.C. 58-61; prnl. staff mem, Inst. Naval Studies, 61-66; FEL. SCIENTIST, ADV. STUDIES GROUP, WESTINGHOUSE ELEC. CORP, 66-, ASST. TO GROUP DIR, 68- Consult, Inst. Defense Anal, 63-; Arthur D. Little Corp, Mass, 66-67. U.S.A.F. 51-61, Res, 61-, Maj. Political and military projections of long range studies. Publ: Study of present and potential capability of Russian aerospace forces and its effect on the vulnerability of U.S. carrier task forces, 66 & Airlift and amphibious capabilities of the USSR for limited war purposes, In: Annex B, Naval contributions to deterrence at conflict levels less than general war, 1975-1980, 66, Inst. Naval Studies; co-auth, Threat appraisal for the midcourse intercept system study, Westinghouse Adv. Studies Group, 67. Address: Advanced Studies Group, Westinghouse Electric Corp, 225 Wyman St, Waltham, Mass. 02154.

PLOCH, DR. LOUIS ALBERT, b. Pittsburgh, Pa, Dec. 19, 21; m. 48; c. 1. RURAL SOCIOLOGY. B.S. Pa. State, 50, M.S. 51; Ph.D.(soc. participation), Cornell, 54. Asst. prof. RURAL SOCIOL, MAINE, 54-57, assoc. prof, 57-63, PROF, 63- Vis. prof, Pa. State, 62-63. U.S.A.A.F. 43-46. Rural Social. Soc. Sociol. Asn. Community, health and rural development; human relations in rural industries. Publ: A comparison of the social characteristics of Maine's contract & independent table E99 producers, 65, co-auth, Hancock and Washington County health study, 67 & Social and economic consequences of the Dickey-Lincoln school hydro-electric power development on the Upper St. John Valley, Maine, phase I, 68, Univ. Maine. Address: Dept. of Agricultural & Resource Economics, University of Maine, Orono, Maine 04473.

PLOG, DR. STANLEY C, b. Los Angeles, Calif. Apr. 12, 30; m. 53; c. 2. PSYCHOLOGY. B.A., Occidental Col, 57, M.A. & Ph.D.(psychol), Harvard, 61. Instr. med. psychol, neuropsychiat. inst. & asst. prof, dept. psychol, California, Los Angeles, 61-62, assoc. dir. soc. & community psychiat. prog, 62-65, dir, urban observ. inst. govt. & pub. affairs, 65-66; PRES, BEHAV. SCI. CORP, 63- Res. grants, from Univs. & prnl. & govt. orgns; res. & clin. consult. Harbor Gen. Hosp, Torrance, Calif, 61-62. U.S.A.F. 50-53, S/Sgt. Psychol. Asn. Survey research and opinion sampling; studies of social movements; organization psychology. Publ: Co-auth, Changing perspective in mental illness, Holt, 69; auth, Los Angeles and Watts: a conflict in work values, Proc. Ninth Ann. Res. Conf, Inst. Indust. Rels, 66; The struggle for unity, Univ. California, Los Angeles Alumni Mag, spring 66. Address: Behavior Science Corporation, 8155 Van Nuys Blvd, Panorama City, Calif. 91402.

PLOTNICK, PROF. ALAN R(ALPH), b. Philadelphia, Pa, Apr. 10, 26; m. 56; c. 1. INTERNATIONAL TRADE. B.A., Temple, 50; M.A., Pennsylvania, 51, Ph.D.(econ), 60. Instr. econ, Temple, 55-56; Maine, 56-59; asst. prof, Rhode Island, 59-60; Drexel Inst, 60-61; polit. econ, Alberta, 61-65; assoc. prof. ECON, Southeast. Mass. Tech. Inst, 65-68; PROF, MIS-SOURI, ROLLA, 68- Can. Coun. res. grant, 65. Adj. Gen.C. 44-46, Sgt. AAAS; Econ. Asn; Acad. Polit. & Soc. Sci; Can. Polit. Sci. Asn; Can. Inst. Int. Affairs. Economics and technology; natural resources; comparative economic systems. Publ: Petroleum: Canadian markets and U.S. foreign trade policy, Univ. Washington, 65. Address: Dept. of Economics, University of Missouri, Rolla, Mo. 65401.

PLOTNICOV, DR. LEONARD, b. Brooklyn, N.Y., Dec. 5, 30; div; c. 3. ANTHROPOLOGY. B.A., Brooklyn Col, 54; Ph.D.(anthrop), California, Berkeley, 64. Instr. ANTHROP, PITTSBURGH, 63-64, asst. prof, 64-67, ASSOC. PROF, 67- Participant, anthropol. colloquium comp. soc. stratification, int. studies prog, Pittsburgh, 66-67, surv. res. grant, Nigeria, 67. Anthropol. Asn; African Studies Asn; Int. African Inst. Social change; urbanization; social stratification. Publ: Strangers to the city, Univ. Pittsburgh, 67; Fixed membership groups, 62 & co-auth, Corporate unilineal descent groups, 62, Am. Anthropologist. Address: Dept. of Anthropology, University of Pittsburgh, 234 Atwood St, Pittsburgh, Pa. 15213.

PLOTNIK, PROF. MORTIN J(OSEPH), b. Vilno, Lithuania, Dec. 11, 03; m. 51. ECONOMICS. M.Agr, Berlin, 26; Ph.D.(econ), Columbia, 37. Instr. high schs, N.Y. 44-46; assoc. prof. ECON, Marshall Col, 46-47; PROF & HEAD DEPT, Blackburn Col, 47-65; Franklin Col, 65-67; ILL. WESLEYAN, 67-Banking Seminar fel, St. Louis Fed. Reserve Bank, 54, Chicago Fed. Reserve Bank, 55; Gen. Elec. grant, Chicago, 61; summer vis. prof, Conn. State Teachers Col, 46; Washington (St. Louis), 55; econ-in-action fel, Case, 52; Wisconsin, 54; Ford faculty res. fel, Minnesota, 57. Econ. Asn. Comparative economic systems; economic history; money and banking. Publ: Werner Sombart and his type of economics. Address: 1013 N. Prairie St, Bloomington, Ill. 61701.

PLOTT, DR. CHARLES RAYMOND, b. July 8, 38; U.S. citizen; m. 61; c. 2. ECONOMICS. B.S. Okla. State, 61, F.I. Dupont fel, 62, Brookings Inst. fel, 63, M.S. 64; Ford Found. fel, Virginia, 65, Ph.D.(econ), 66. Asst. prof. ECON, PURDUE, 65-68, ASSOC. PROF, 68- Ford Found. res. grant, 68-69. Am. Econ. Soc; Economet. Soc; Royal Econ. Soc. Micro-economic theory; group decision processes. Address: Dept. of Economics, Krannert Bldg, Purdue University, Lafayette, Ind. 47907.

PLOWMAN, DR. E. GROSVENOR, b. U.S., Dec. 16, 99; m. 24; c. 2. TRANSPORTATION ECONOMICS. B.S. Dartmouth Col, 21; M.S. Denver, 36; Ph.D., Chicago, 37. Dir. bur. bus. & soc. res, Denver, 30-33; mgr, Denver Munic. Water Syst, 33-36; traffic mgr, Colo. Fuel & Iron Corp, 37-43; v.pres. traffic, U.S. Steel Corp, 44-63; dep. under-secy. commerce transportation, policy, U.S. Dept. Commerce, 63-64; LECTR. TRANSPORTATION ECON, MAINE, 65- Summer lectr, Stanford, 62. Traffic mgr. steel div, War Prod. Bd, 42-44; dir. mil. traffic serv, U.S. Dept. Defense. Chmn, Maine State Transportation Cmn, 65-; Maine Aeronaut. Cmn, 67-; Pres, Transportation Res. Found, 68- Civilian serv. award, U.S. Dept. Defense, 52; Salzberg medal, Syracuse, 55. Fel. AAAS; fel. Statist. Asn; Econ. Asn.(award, 66); Soc. Traffic & Transportation (past pres). Physical distribution. Publ: Business organization and management; Centralization and decentralization;

Is nationalization of common carriers inevitable?, In: Technological change. Address: 48 Partridge Circle, Portland, Maine 04102.

PLUM, DR. GERALD E(DWARD), b. Detroit, Mich, Mar. 2, 34; m. 54; c. 3. PSYCHOLOGY. B.S. Wayne State, 58; Ph.D.(psychol), Chicago, 66. Intern. psychol. Chicago Ment. Health Centers, 63-64; psychologist, Charles F. Read Center, 64-65; ASST. PROF. PSYCHOL, BRITISH COLUMBIA, 65-U.S.A. 54-56. Cognitive development in children; learning, motivation and perception and the relationship of these basic concepts to psychopathology. Publ: Co-auth, Eye movement photography during children's discrimination learning, J. Exp. Child Psychol, 64. Address: Dept. of Psychology, University of British Columbia, Vancouver 8, B.C., Can.

PLUMLEE, DR. LYNNETTE B(IRDSALL), b. Pomona, Calif, Feb. 22, 17; m. 44; c. 2. PSYCHOLOGY. B.A., Pomona Col, 39; Ph.D.(psychol), Chicago, 50. Head math. sect, test develop. dept, Col. Entrance Exam. Bd, 40-48; asst. head test develop. dept, Ed. Testing Serv, 48-54, dir. test develop, 54-57; measurement specialist, SANDIA CORP, 57-66, CONSULT, 66- Consult, Albuquerque Pub. Schs, 66- AAAS; Psychol. Asn; Psychomet. Soc; Nat. Coun. Measurement in Ed. Educational and psychological measurement. Publ: Effect of difficulty and chance success on item-test correlation and on test reliability & Predicted and observed effect of chance success on multiple-choice test validity, Psychometrika; Estimating means and standard deviations from partial data—an empirical check on Lord's item sampling technique, Ed. & Psychol. Measurement, fall 64. Address: Box 63, Star Route, Cedar Crest, N.Mex. 87008.

PLUMMER, PROF. NIEL, b. Beaver Dam, Ky, Feb. 19, 05; m. 35; c. 4. JOURNALISM. A.B. Kentucky, 28, A.M. 31; Ph.D., Wisconsin, 40. City ed, Lexington Herald, Ky; gen. news man, Louisville Herald-Post & Int. News Serv; from instr to PROF. JOURNALISM, KENTUCKY, 33-, dir. sch. journalism, 33-65. Address: School of Communications, University of Kentucky, Lexington, Ky. 40506.

PLUMMER, DR. NOEL A(RTHUR), b. Johnstown, Pa, Dec. 28, 36; m. 58; c. 2. CLINICAL PSYCHOLOGY. B.S. Juniata Col, 58; M.S. Miami (Fla), 60; Bur. Voc. Rehab. fel, Florida, 62-63, Ph.D.(psychother), 66. U.S. Pub. Health Serv. fel. community ment. health, Florida, 63-64; chief psychologist, Indiana County Guid. Center, Pa, 64-67; ASST. DIR. PSYCHOL. SERV, WOODVILLE STATE HOSP, 67-; ASSOC. PROF. PSYCHOL, INDIANA UNIV. PA, 65- Instr. grad. sch, Florida, summer 64. Consult, Allegheny County Schs, 68- Psychol. Asn. Process research in psychotherapy using patient and therapist personality variables to increase probability of successful outcome; investigating methods of providing more meaningful undergraduate psychology instruction; training of sub-professional mental health workers. Address: Woodville State Hospital, Carnegie, Pa. 15106.

PLUMMER, PROF. W(ILBUR) C(LAYTON), b. Hagerstown, Md, July 5, 89. ECONOMICS. A.B. Lebanon Valley Col, 10, LL.D. 39; A.M. Pennsylvania, 22, Ph.D. 24. Instr. ECON, PENNSYLVANIA, 21-27, asst. prof, 27-31, prof, 31-60, econ. consult, inst. local & state govt, 42-43, EMER. PROF, 60- Chief bus. specialist, U.S. Dept. Commerce, 28-33; economist, Agr. Adjust. Admin, U.S. Dept. Agr, 33; dir. div. prnl. projs, Works Progress Admin, Pa, 35, dep. adminstr, 36; economist, U.S. War Manpower Cmn. & U.S. Employ. Serv, 44-46; mem. faculty, La Salle Col, 61- Consumer credit; social and economic consequences of buying on the installment plan; sales finance companies and their credit practices. Address: 4618 Chester Ave, Philadelphia, Pa. 19143.

PLUMPTON, DR. RUSSELL ANNIS, b. Manchester, N.H., May 21, 18; m. 45; c. 2. PSYCHOLOGY. B.A. New Hampshire, 46; Ed.D.(psychol), Columbia, 51. Sch. psychologist, State Dept. Pub. Instr. Del, 51-61; Bd. COOP. ED. SERV, 61-63, COORDINATOR CLIN. SERV, 64- Sig.C. U.S.A. Sgt. Coun. Except. Children. Clinical services. Publ: Methods of determining pupil readiness for specific units of instruction presented through simulated environment media, Title VII, Proj. 1104, U.S. Off. Ed, 6/64. Address: P.O. Box 426, Goldens Bridge, N.Y. 10526.

PLUTA, DR. LEONARD A, b. Kocina, Poland, Feb. 13, 38; Can. citizen; m. 63; c. 1. ECONOMICS. Currie Mem. fel. & B.A. Western Ontario, 61; MacLaughlin Mem. fel. & M.A. Queen's (Ont), 63. Can. Coun. fel. & Ph.D.(econ), 67. ASST. PROF. ECON, ST. FRANCIS XAVIER, 64- Res asst, Can. Task Force, summer, 67. Econometric studies of public agricultural policies in Canada; foreign direct investment and the Canadian economy. Address: Dept. of Economics, St. Francis Xavier University, Antigonish, N.S. Can.

PLUTCHIK, DR. ROBERT, b. New York, N.Y., Oct. 21, 27. EXPERIMENTAL PSYCHOLOGY. B.S. City Col. New York, 49; M.A. Columbia, 50, Ph.D. (psychol), 52. Asst. Columbia, 50-51; instr. psychol, Hofstra, 51-54, asst. prof, 55-59, assoc. prof, 59-67; SR. RES. SCIENTIST, COL. PHYSICIANS & SURGEONS, COLUMBIA, 67- Res. assoc. Harvard Med. Sch. & Boston Psychopath. Hosp, 53; prof. dir, Off. Naval Res, 56-67. Psychol. Asn. Psychophysiology; emotion; stress; individual differences; psychiatry. Publ: Co-auth, Small group discussion in orientation and teaching, Putnam, 59; auth, The emotions: facts, theories and a new model, Random, 62; Foundations of experimental research, Harper, 68. Address: New York State Psychiatric Institute, 722 W. 168th St, New York, N.Y. 10032.

POAPST, PROF. J(AMES) V(INCENT), b. Newport, Vt, June 17, 25; Can. citizen; m. 49; c. 3. ECONOMICS, FINANCE. B.Com, McGill, 47, M.Com, 50; Can. Coun. fcls, London, 64-65 & 68. Asst. econ, Central Mortgage & Housing Corp, 50-53, asst. supvr. res. dept, 53-55, supvr, 55; mem. res. staff, Royal Cmn. Can. Econ. Prospects, 55-56; lectr. FINANCE & ECON, SCH. BUS, TORONTO, 56-57, asst. prof, 57-63, assoc. prof, 63-65, PROF, 66- Mem. res. staff, Royal Cmn. Banking & Finance, 62-64. R.C.A.F. 43-45. Am. Econ. Asn; Am. Finance Asn; Financial Execs. Inst. Economics of finance; business and housing finance; capital expenditure appraisal in leading companies. Publ: The residential mortgage market, Queens Printer, Ottawa, 62; co-auth, The individual investor: Canadian experience, 12/63 & Rates of return on consumer durables, 12/64, J. Finance. Address: School of Business, University of Toronto, 119 St. George St, Toronto 5, Ont, Can.

POCK, PROF. JOHN C, b. Chicago, Ill, Mar. 22, 26; m. 52. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A. Chicago, 47; Ph.D.(sociol), Illinois, 56. From instr. to ASSOC. PROF. SOCIOL, REED COL, 55- Soc. Sci. Res. Coun. fel, 57; assoc. prof. pediat, med. sch, Oregon, 67- Consult, eval, res. & planning, Vista, D.C. 66- U.S.A. 44-47, Sgt. Pop. Asn; Sociol. Asn; Asn. Pub. Opinion Res. Organizational and group analysis, especially in mental hospital and school settings; mass communications; political behavior. Address: Reed College, Portland, Ore. 97202.

POCOCK, PROF. J. G. A, Hist. of Polit. Thought, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

PODDAR, DR. BHAGWATI P(RASAD) K, b. Mathura, India, Oct. 18, 36; m. 62. POLITICAL SCIENCE, SOCIOLOGY. B.A. Agra, 58; M.A. Oregon, 60; Ph.D. (polit. sci, sociol), Southern Illinois, 65. Asst. prof. polit. sci, Illinois State, 64-65; RELM FOUND RES. GRANT INDIA'S FOR. POLICY DECISION-MAKING APPARATUS, 65- Polit. Sci. Asn; Sociol. Asn. Comparative politics; South Asia. Address: 1720 Irving Ave, Astoria, Ore. 97103.

PODELL, DR. HARRIETT A, Psychol, see AMSTER, DR. HARRIETT A.

PODELL, PROF. JEROME E, b. Philadelphia, Pa, Apr. 19, 20; m. 52; c. 2. PSYCHOLOGY. A.B. Pennsylvania, 49, A.M. 51; Ph.D.(psychol), Clark, 57. Res. psychologist, human resources res. lab, U.S. Air Force, 51-52; Tufts, 52-53; human resources res. lab, Worcester State Hosp, 55-58; asst. prof. PSYCHOL, SAN FRANCISCO STATE COL, 58-62, from assoc. prof. to PROF, 62- U.S.A. 42-45. AAAS; Psychol. Asn; Statist. Asn. Development of cognition and language. Address: Division of Psychology, San Francisco State College, San Francisco, Calif. 94132.

PODELL, PROF. LAWRENCE, b. New York, N.Y., July 30, 30; m. 51; c. 4. SOCIOLOGY. B.S.S. City Col. New York, 51; scholar, Syracuse, 51-52, M.A. 52; Grant Found. fel, Cornell, 52-53, Ph.D.(sociol), 54. Instr. SOCIOL, Buffalo, 54-55; asst. prof. City Col. New York, 55-64, assoc. prof, 64-65; PROF. GRAD. CENTER, CITY UNIV. NEW YORK, 67- Res. dir, interdept. neighborhood serv. center, Off. Mayor New York, 61-63; dir. soc. res, New York Dept. Welfare, 63-65; exec. dir, Soc. Welfare Res. Coun, 64-67; asst. to cmnr. res, New York Dept. Soc. Serv, 65-67. Sociol. Asn. Social research and welfare; organizational sociology; sociology of occupations; family; social stratification. Address: Center for Social Research, Graduate Center, City University of New York, 33 W. 42nd St, New York, N.Y. 10026.

PODOSKI, JOSEPH J(UNOSZA), b. Antoniny, Russia, Apr. 3, 00; nat; m. 36; c. 2. ECONOMICS. M.S. Warsaw Polytech. Inst, 29; California, Los Angeles, 52. Dir. info. serv, Polish Govt. in Exile, Ill. & N.Y., 41-45; assoc. prof. econ, Immaculate Heart Col, 47-53; Los Angeles State Col, 50-53; SR. RES. SPECIALIST, LIBRARY OF CONG, 53- Polish Army, 18-20. Econ. Asn; Inst. Elec. & Electronics Eng. Economic history of east European peasantry; economic history of Russia; electronics and automation; electrical engineering. Address: 3732 Windom Place N.W., Washington, D.C. 20016.

POE, PROF. DISON H(SUEH) F(ENG), b. Kiangsu, China, Jan. 11, 00; m. 29; c. 3. POLITICAL SCIENCE. B.A. Hamline, 23, LL.D., 44; M.A., Harvard, 25. Chmn. dept. polit. sci, Tsing Hua, China, 28-39; prof, Central Univ, 41-44; dep. dir-gen, Chinese Nat. Relief & Rehab. Admin, 45-46; dep. secy-gen, Chinese Cabinet, 47-48; secy-gen, Taiwan Prov. Govt, 49-54; dir. grad. sch. polit. sci. & dean, Nat. Chengchi Univ, 54-62; v.minister ed, Hanover Col, 58-60; Whitney-Fulbright vis. prof, BRIDGEPORT, 62-63, DISTINGUISHED PROF. PHILOS. & POLIT. SCI, 63- Tech. expert Chinese del, Dumbarton Oaks Conf, 44; San Francisco Conf, 45; head Chinese del, UNESCO Conf, 58. Polit. Sci. Asn; Asn. Asian Studies. Publ: Modern western political theories, 39; Essays on government and politics, 55; Contemporary political theories, 62. Address: Dept. of Philosophy & Political Science, University of Bridgeport, Bridgeport, Conn. 06602.

POE, DR. DONALD CHARLES, b. Cape Girardeau, Mo, Sept. 10, 24; m. 50; c. 2. CLINICAL PSYCHOLOGY. B.A. Missouri, 49, M.A. 63, Ph.D.(clin psychol), 66; M.Ed. Miami (Fla), 58. Teacher & guid. counsr, pub. schs, Mo, 53-59; clin psychologist, ment. hyg. clin, Missouri, Columbia, 60-64; psychologist & instr. PSYCHOL, Christian Col, 64-67; INSTR, STEPHENS COL, 67- Clin. psychologist, Psychiat. Receiving Center, Kansas City, Mo, summer 61; field assessment officer, Peace Corps, 64- U.S.A.F. 43-45, Res, 45-, Maj. Psychol. Asn. Effects of hypnotic hallucinated practice in learning of cognitive and motor tasks. Address: Dept. of Psychology, Stephens College, Columbia, Mo. 65201.

POE, PROF. JERRY B(OWLIN), b. Springfield, Mo, Oct. 3, 31; m. 59. ECONOMICS, BUSINESS ADMINISTRATION. A.B. Drury Col, 53; Weinhiemer fel, Washington (St. Louis), 56-57, M.B.A. 57; Ford Found. fel, Harvard, 57-59, D.B.A. 63. Instr. mgt, Arkansas, 57; lectr. finance, Boston, 59-61; asst. prof. BUS. ADMIN. & ECON, BREECH SCH. BUS. ADMIN, DRURY COL, 61-63, assoc. prof, 63-68, PROF, 68-, DIR. SCH, 67- Summers, indust. engr, McDonnell Aircraft Corp, 57, dir. Nat. Defense Ed. Act Inst. Econ, Drury Col, 67. Consult, prnl. adv. bd, Empire Bank, Mo, 68. U.S.N.R. 53-55, Lt. Comdr. Econ. Asn; Finance Asn. Corporation financial management; organization theory and management; public economic policy. Publ: American business enterprise: introductory text and cases, Irwin, 68. Address: Breech School of Business Administration, Drury College, Springfield, Mo. 65802.

POE, PROF. W(EYLAND) DOUGLAS, b. Wilburton, Okla, Apr. 3, 15; m. 48; c. 2. ECONOMICS. B.S. Okla. State, 39; Ph.D. Indiana, 59. Landman, Tide-water Oil Co, 39-46; asst. econ. Okla. State, 46-47; publisher, Ada Pub. Co, 48-53; Littlefield Press, 53-56; asst. ECON, Indiana, 56-59; asst. prof, ILLINOIS STATE, 59-63, ASSOC. PROF, 63- U.S.A. 42-46, Res, 46-, Lt. Col. Econ. Asn. Public finance; macroeconomics; industrial organization. Publ: Co-auth, Tax alternatives for Illinois, Illinois State Univ, 62; auth, Local sales taxes in the United States and Canada, Univ. Microfilms, 59. Address: Dept. of Economics, Illinois State University, Normal, Ill. 61761.

POETTER, DR. LOUIS J(EROME), b. Michigan City, Ind, Aug. 19, 19; m. 43; c. 4. CHILD PSYCHOLOGY. A.B. Mercer, 47; Emory, 48-49; M.A., N.Y. Univ, 55; hon. Dr. Humanities, 63. Court psychologist, Fulton County Juvenile Court, Ga, 48-55; chief psychol. serv, div. voc. rehab, State of Ga, 55-57, dir. court serv, juvenile-domestic rels. State of Ga, 55-57, dir. court serv, juvenile-domestic rels. div, Superior Court, Savannah, 57-63; ADMINSTR. RESIDENTIAL TREATMENT CENTER, ANNEEWAKEE FOUND, INC, DOUGLASVILLE, 63- Mem. & past pres, Ga. State Bd. Exam. Psychol, 58-62. Psychol. Asn; Personnel & Guid. Asn; Asn. Ment. Deficiency. Prevention, control and treatment of juvenile delinquency. Publ: But for the worth of the family; Something interesting to do. Address: 1982 Cambridge Ave, College Park, Ga. 30022.

POFFENBERGER, PROF. PAUL R(OUTZAHN), b. Md, Jan. 28, 13; m. 47; c. 2. AGRICULTURAL ECONOMICS. B.S. Maryland, 35, M.S. 37, Ph.D. American Univ, 53. Asst. MARYLAND, 35-37, instr. AGR. ECON, 37-40, asst. prof, 40-43, assoc. prof, 46-54, PROF, 54-, ASST. DEAN INSTR. COL. AGR, 58-, acting head dept. agr. econ, 55-61. U.S.N.R. 43-46. Fel. AAAS; Planning Asn; Agr. Econ. Asn. Economic studies in farm prices; farm finance, cooperation. Publ: Farm insurance in Maryland; Farm mortgage trends in Maryland; Prices paid by Maryland farmers. Address: College of Agriculture, University of Maryland, College Park, Md. 20742.

POFFENBERGER, DR. T(HOMAS), b. Pittsburgh, Pa, Aug. 30, 21; m. 46; c. 2. PSYCHOLOGY. B.A. Mich. State, 48, M.A. 49, Ed.D.(counseling psychol), 54; fel, Merrill Palmer Inst, 50. Specialist human rels, Oregon State, 52-54; assoc. prof. family sociol, California, 54-61; prof. child develop, Iowa State & Ford Found. Prog. to Univ. Baroda, India, 61-65; CONSULT. POP. CONTROL, FORD FOUND, INDIA, 65- Sr. specialist award, East-West Center, Hawaii, 58-59. U.S.N. 42-46. Sociol. Soc; Psychol. Asn. Family sociology; population control; motivation for fertility control; population education; socialization practices. Address: Ford Foundation, 32 Ferozshah Rd, New Delhi, India.

POGUE, DR. FORREST C(ARLISLE), Hist, Int. Rels, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

POHLMAN, PROF. EDWARD W(ILLIAMS), b. Connersville, Ind, Sept. 26, 06. SOCIOLOGY. A.B. Emmanuel Missionary Col, Andrews, 37; A.M. Ohio State, 47, Ph.D. 49. Pres, Spicer Jr. Col.(India), 38-43; student teacher, Ohio State, 47-48; asst. prof. SOCIOL, Cincinnati, 48-50; prof. & head dept, West. Col, 50-58, dean col, 52-58; vis. prof, Karachi, Pakistan, 58-59; exec. secy, U.S. Ed. Found, Pakistan, 59-60; from prof. to DANA PROF. SOCIOL. & HEAD DEPT. QUEENS COL.(N.C.), 60- Sociol. Asn. Cultural anthropology; social class stratification and Hindu caste; evidence of disparity between the Hindu practice of caste and the ideal type. Address: Dept. of Sociology, Queens College, Charlotte, N.C. 28207.

POHLMANN, PROF. VERNON C(HRIST), b. St. Louis, Mo, May 21, 20; m. 46; c. 2. SOCIOLOGY. A.B. Washington (St. Louis), 41, M.A. 48, Ph.D.(sociol), 55. Asst. dir. ed, pub. schs, Mo, 53-55; asst. prof. soc. sci, ILLINOIS STATE, 55-60, PROF. SOCIOL, 60-, HEAD DEPT, 66- U.S.A.A.F. 42-46, Capt. Sociol. Asn; Pop. Asn. Am. Educational sociology; minority peoples; urban society. Publ: Co-auth, The costs of segregated schools, Soc. Problems, 1/54; auth, Relationship between ability, socio-economic status and choice of secondary school, J. Ed. Sociol, 5/56; The inadequacy of rank in high school as a predictor of college success, Ill. Sch. Res, 10/65. Address: Illinois State University, Normal, Ill. 61761.

POINDEXTER, PROF. J(ULIUS) CARL, b. Rocky Mount, Va, May 20, 11; m. 37; c. 2. ECONOMICS. B.S. Virginia, 33, M.A. 41, Ph.D.(econ), 44. Prof. econ, Carson-Newman Col, 37-41; asst. prof. COL. William & Mary, 41-42; instr. econ. & mgt, Virginia, 42-44; prof. ECON. & head dept, Roanoke Col, 45-49; PROF, exten. div, Virginia, 49-67; VA. WEST. COMMUNITY COL, 66- Prof, Va. Mil. Inst, 49-50. Econ. Asn. Economic theory; finance; transportation. Publ: Fallacies of interest-free deficit financing; hidden gold in municipal utilities; Some misconceptions of banking and interests theory. Address: 534 Oakview Dr, Salem, Va. 24153.

POIRIER, DR. FRANK EUGENE, b. Paterson, N.J., Aug. 7, 40; m. 63; c. 1. PHYSICAL ANTHROPOLOGY. B.A. Paterson State Col, 62; M.A. Oregon, 64, Ph.D.(anthrop), 67. ASST. PROF. psychiat. & anthrop, Florida, 67-68; ANTHROP, OHIO STATE, 68- Int. Primatol. Soc. Relationship between ecology and behavior; evolution of social behavior, human society and communication; paleoanthropology. Publ: Nilgiri langur (Presbytis johnii) territorial behavior, S. Krager, Switz, (in press); Analysis of a Nilgiri langur (Presbytis johnii) home range change, 10/68 & The Nilgiri langur (Presbytis johnii) mother-infant relationship, 10/68, Primates. Address: Dept. of Anthropology, Ohio State University, 1775 S. College Rd, Columbus, Ohio 43210.

POIRIER, BRO. LAWRENCE J(OSEPH), b. Haverhill, Mass, Sept. 2, 07. PSYCHOLOGY. B.S. Fordham, 36, M.A. 41. Teacher, St. Ann's Acad, N.Y., 31-32, 34-39, 41-43, prin, 51-53; teacher, St. Agnes High Sch, 32-34; Cent. Cath. High Sch, W.Va, 39-41; Cent. Cath. High Sch, Mass, 43-47, dir. guid, 47-51; Mt. St. Michael Acad, 53-66; DIR. GUID. SERV. SCHS, ARCHDIOCESE OF N.Y., 66- Pres, Archdiocese of N.Y. Guid. Coun, 59-61. Ed. The Cath. Counsr, 59-61; co-ed, Readings for Cath. Counsr, 60. Mem. Ford-funded Nat. Cath. Ed. Asn. cmt. for personnel serv. in Cath. secondary schs, 67- Psychol. Asn; Personnel & Guid. Asn. Character and personality development; motivation; learning; vocational choice of adolescents; survey and analysis of guidance services in the schools of the archdiocese of New York. Address: 15 E. 81st St, New York, N.Y. 10028.

POIROT, DR. PAUL L(EWIS), b. Richview, Ill, July 23, 15; m. 48; c. 1. AGRICULTURAL ECONOMICS. B.S. Illinois, 36; Ph.D.(agr. econ), Cornell, 40. Exten. teacher farm mgt, Cornell, 40-41; economist, agr. chem. Off. Price Admin, D.C., 41-45; farm mkt. Coop. Grange League Fedn, N.Y., 45-49; ECONOMIST, FOUND. FOR ECON. ED, 49-, ED, THE FREEMAN, 58- Competitive free market; private enterprise; limited government philosophy. Publ: Pension Idea. Address: Foundation for Economic Education, Irvington-on-Hudson, N.Y. 10533.

- POIS, PROF. JOSEPH, b. New York, N.Y., Dec. 25, 05; m. 28; c. 2. POLITICAL SCIENCE. A.B., Wisconsin, 26; M.A., Chicago, 27, fel. 28-29, Ph.D. (polit. sci.), 29; LL.B., Chicago-Kent Col. Law, 34. Mem. staff, J.L. Jacobs & Co., 29-35; gen. field supvr., Pub. Admin. Serv., Ill., 35-38; chief admin. studies sect., U.S. Bur. Old Age & Survivors Ins., 38-39; admin. & fiscal reorgn. sect., U.S. Bur. Budget, 39-42; jr. partner, J.L. Jacobs & Co., 46-47; company counsel & asst. to pres., Signode Steel Strapping Co., 47-49, v.pres. & treas., 49-61; PROF. PUB. ADMIN. & DIR. PUB. ADMIN. PROGS., GRAD. SCH. PUB. & INT. AFFAIRS, PITTSBURGH, 61- Instr., Mich. State Col., 38; U.S. Dept. Agr. Grad. Sch., 40-44; exec. develop. prog., Cornell, 53-61. Dir. finance, State of Ill., 51-53. Consult., Econ. Coop. Admin., 48; U.S. Dept. State, 49, mem. adv. cmt. int. orgn., 62-65; consult., U.S. Dept. Defense, 54. U.S.C.G., 42-46, Capt. Polit. Sci. Asn.; Am. Soc. Pub. Admin.; Am. Acct. Asn.; Nat. Asn. Acct.; Bar Asn.; Mgt. Asn.; Royal Inst. Pub. Admin. Public administration; financial management; public law. Publ: The school board crisis: a Chicago case study, Ed. Methods, Inc.; Financial administration in the Michigan State government; Public personnel administration in the City of Cincinnati. Address: 927½ St. James St., Pittsburgh, Pa. 15232.
- POKEMPNER, STANLEY J(ESSE), b. Pittsburgh, Pa., Oct. 22, 20; m. 43; c. 2. ECONOMICS, STATISTICS. B.A., Pa. State, 42; Chicago, 55; M.S., Columbia, 56. Ed. spec. reports, Daily News Record, Fairchild Pub. Inc., 47-49, consult., 54-56; self-employed, 48-54; economist, Gen. Elec. Co., 56-59; v.pres. mkt. & res. admin., Mathematica, Mkt. Res. Corp. Am., 59-61, dir. anal. serv., 61-62, v.pres., 62-66; v.pres. commun. effectiveness div., Audits & Surv. Inc., 66-67; DIR. MGT. OPINION RES. CORP., 67- Lectr., grad. sch. bus. admin., N.Y. Univ., 66. Mem., Mkt. Res. Coun., 68- U.S.N., 42-46, Res., 46-61, Lt. Mkt. Asn.; Statist. Asn.; Econ. Asn.; Economet. Soc.; Asn. Pub. Opinion Res. Computer applications in social science research and related business operations; study of relations of communications, perceptions, attitudes and behavior in marketing contests. Publ: Communications structure of a department; Study of market concentrations in the electronic component market; Review of synthetic textile technology and product developments. Address: 249 Shady Brook Lane, Princeton, N.J. 08540.
- POLACH, DR. JAROSLAV G(EORGE), b. Ostrava, Czech, Apr. 20, 14; nat; m. 43. INTERNATIONAL ECONOMICS & LAW. A.B., Reformed Gym, Ostrava, Czech, 33; Dr. Law, Masaryk Univ., 38; M.A., American Univ., 58, Ph.D., 62; M.C.L., George Washington, 59. Clerk, Dist. Court, Ostrava, Czech, 38-39; secy. to head, Czech. Spec. Mission, Hungary, 39-41; head int. trade legal dept., Continental Steel Co., Prague & head legal & admin. dept., Ferronet, Czech, Metall. Works, 47-48; economist, U.S. Govt., 48-60; RESOURCES FOR FUTURE, INC., 61-63, RES. ASSOC. ENERGY & NUCLEAR ENERGY, 63- Czech. Armed Forces, 39-45, Capt. Econ. Asn.; Asn. Comp. Econ. Soc. Int. Develop.; Statist. Asn.; Soc. Int. Law; Czech. Soc. Arts & Sci. in Am. Economic and international legal aspects of European communities, particularly the European Atomic Energy Commission; international energy problems; atomic energy implications in international law; world steel trade; labor and economic developments in Europe. Publ: Euratom. background, Issues and economic implications, 64 & Harmonization of laws in western Europe, In: American Journal of Comparative Law Reader, 66, Oceana; Teleological construction of economics, In: Czechoslovak contribution to world culture, Mouton, Netherlands, 64. Address: 225 S. Panorama Dr., Oxon Hill, Md. 20021.
- POLAK, PROF. GEORGE, b. Porubka, Slovakia, May 7, 23; U.S. citizen; m. 53; c. 5. ECONOMICS. B.S.B.A., Ohio State, 54; M.B.A., Western Reserve, 56. Assoc. economist, Fed. Reserve Bank Cleveland, 56-62; assoc. dir. res., Griswold-Eshleman Co., Ohio, 62-63; asst. prof. ECON., WEST LIBERTY STATE COL., 63-65, ASSOC. PROF., 65- Econ. Asn.; Statist. Asn.; Acad. Polit. Sci. Labor; banking and finance; business cycles. Publ: Co-auth, Cross sections of the Fourth Federal Reserve District, Fed. Reserve Bank Cleveland, 57. Address: Dept. of Economics, West Liberty State College, West Liberty, W.Va., 26074.
- POLAKOFF, PROF. MURRAY E(MANUEL), b. Brooklyn, N.Y., Dec. 18, 22; m. 51; c. 2. FINANCE, ECONOMICS. B.A., N.Y. Univ., 46; scholar, Columbia, 46, M.A., 49, Ph.D.(econ.), 55. Instr. econ. Rutgers, 49; asst. prof., Texas, 51-57, assoc. prof., 57-61; prof. col. bus. admin., Rochester, 61-63; PROF. ECON. & FINANCE, CHMN. DEPT. ECON. & CHMN. GRAD. SCH. BUS. ADMIN. & COL. COMMERCE, N.Y. UNIV., 63- Exec. dir., Katznelson Inst. Soc. & Polit. Sci., Israel, 50; Fund Adv. Ed. faculty grant, 55; Found. Econ. Ed. fel., 56; Soc. Sci. Res. Coun. grant, 57; Ford Found. faculty res. grant, 61; lectr., Union Carbide Corp., 66-67; Investment Mgt. Inst., 66-; Bache & Co., 66-67; Am. Money & Capital Mkts., São Paulo & Rio de Janeiro, Brazil, summers, 67-68. Finance Asn.; Econ. Asn. Monetary economics; financial institutions; financial and economic development. Publ: Federal reserve discount policy and its critics, In: Banking and monetary studies; The third market—the nature of competition in the market for listed securities traded off-board, Anti-Trust Bull.; Public pension fund, Financial Anal. J. Address: Dept. of Economics, Graduate School of Business Administration, New York University, 100 Trinity Place, New York, N.Y. 10006.
- POLAND, DR. HAROLD V(INCENT), b. Minot, N.Dak., Feb. 10, 21; m. 43; c. 1. PSYCHOLOGY. B.S., Fordham, 49, M.A., 51, Ph.D., 61. Asst. psychol., Fordham, 49-50; psychologist, Dept. Correction, New York, 50-51; instr. PSYCHOL., ST. JOHN'S (N.Y.), 55-60; asst. prof., 60-61, ASSOC. PROF., 61-, DIR. CLIN. PSYCHOL., 64- Clin. psychologist, St. Vincent's Hosp., N.Y., 51-56, dir. psychol. servs., 56- U.S.A., 39-41, U.S.A.A.F., 41-45, Capt. Psychol. Asn. Philosophy; psychometrics for screening and selection; diagnostic testing and psychotherapy; personality characteristics of a successful psychotherapist or counselor; influence of religion on good mental hygiene; clinical psychology. Publ: Relationship between self concept and supervisory and peer ratings of success in nurse's training. Address: Dept. of Psychology, St. John's University, Grand Central & Utopia Pkwy., Jamaica, N.Y. 11342.
- POLAND, DR. LEO A(RTHUR), b. Gem, Kans., July 10, 23; m. 49; c. 2. ACCOUNTING. B.S., Kansas, 47; M.B.A., Harvard, 48; D.B.A., Indiana, 62. Instr. acct., Kansas, 48-53, asst. prof. acct. & finance, 55-58; ACCT., WICHITA STATE, 58-62, ASSOC. PROF., 62- U.S.N.R., 43-46, Lt.(lg). Am. Acct. Asn. The Internal Revenue Code's liberalized depreciation. Address: 2614 Fairmount, Wichita, Kans. 67220.
- POLAND, DR. ORVILLE F(ARLIN), b. Boston, Mass., Apr. 24, 20. POLITICAL SCIENCE. A.B., Harvard Col., 42; M.A., Harvard, 47; Ph.D.(polit. sci.), California, 53. Researcher agr. policy, Twentieth Century Fund, 52-54; res. economist, Stanford Res. Inst., 54-60; asst. res. polit. scientist, bur. pub. admin., California, Berkeley, 60-65; ASSOC. PROF. PUB. ADMIN., GRAD. SCH. PUB. AFFAIRS, STATE UNIV. N.Y. ALBANY, 65-, CHMN. DEPT. PUB. ADMIN., 68- acting dir. pub. admin. prog., 67-68. U.S.N., 42-46, Lt. Polit. Sci. Asn.; Econ. Asn.; Soc. Pub. Admin. Science and public policy; public administration. Publ: Co-auth, The costs of American governments, Dodd, 64. Address: Graduate School of Public Affairs, State University of New York, Albany, N.Y. 12203.
- POLAND, DR. RON(AL) G(EORGE), Indust. & Clin. Psychol., see 10th ed, Soc. & Behav. Vols.
- POLANECZKY, ALOYSIUS, Statist., see 10th ed, Soc. & Behav. Vols.
- POLANSKY, DR. NORMAN A(LBURT), b. Carbondale, Pa., Oct. 22, 18; m. 43; c. 2. PSYCHOLOGY. A.B., Harvard, 40; Iowa, 40-41; M.S., Western Reserve, 43; Ph.D.(soc. psychol.), Michigan, 51. Case worker, Family Serv. Soc., N.Y., 46; case supvr., Vet. Admin., Minneapolis, Minn., 46-48; from res. assoc. to assoc. prof., sch. soc. work, Wayne, 48-53; soc. psychologist, Austen Riggs Center, 53-55; from assoc. prof. to prof. soc. work & psychol., Western Reserve, 56-60; psychologist & dir. soc. serv., Highland Hosp., N.C., 60-64; PROF. SOC. WORK & SOCIOL., GEORGIA, 64- Lectr., Smith Col., 50-62. Consult. psychodrama, Highland Hosp., 66- U.S.A., 43-46, Sgt. Fel. Psychol. Asn.; fel. Orthopsychiat., Asn. Sociol. Asn. Group psychology of psychiatric treatment settings; dynamics of speech in therapy; child neglect. Publ: Investigation of behavioral contagion in children's groups, Human Rel.; The concept of verbal accessibility, Smith Col. Studies Soc. Work, 65; On duplicity in the interview, Am. J. Orthopsychiat., 67. Address: School of Social Work, University of Georgia, Athens, Ga. 30601.
- POLATIN, DR. PHILLIP, Psychiat., see 11th ed, Phys. & Biol. Vols.
- POLEMAN, DR. THOMAS THEOBALD, JR., b. St. Louis, Mo., Nov. 28, 28; m. 55; c. 4. ECONOMICS. B.S., Missouri, 51, M.S., 52; M.A., Stanford, 57, Ph.D., 60. Res. assoc. ECON., food res. inst., Stanford, 59-61; sr. econ. analyst, U.S. Govt., 61-63; asst. prof. AGR. ECON., CORNELL, 63-66, ASSOC. PROF., 67- Prfnl. Assoc., Nat. Acad. Sci.-Nat. Res. Coun.; vis. prof., Makerere Univ. Col., Uganda, Rockefeller Found. res. grant, 67. Ed., E.African J. Rural Develop., 67. U.S.A.F., 52-54, 1st Lt. Econ. Asn.; Agr. Econ. Asn.; African Studies Asn.; Latin Am. Studies Asn. Economic aspects of agricultural development in tropical regions, particularly, Latin American, sub-Saharan Africa and East Asia; economics of food and agriculture in the tropics. Publ: The Papaloapan project: agricultural development in the Mexican tropics, Stanford, 64; Communes and the agricultural crisis in Communist China; Food economies of urban middle Africa: case of Ghana, Monogr. Address: Dept. of Agricultural Economics, Cornell University, Ithaca, N.Y. 14850.
- POLEMIS, PROF. BERNICE W., b. Ore.; m. 48. ECONOMICS. A.B., Whitman Col., 40; A.M., Illinois, 41, fel. & Ph.D.(econ.), 43. From asst. chief to chief res., Regional War Labor Bd., Ill., 43-45; res. supvr., U.S. Employ. Serv., 45-47; statistician, Pentagon Nutr. Lab., 47-48; Qm. Food & Container Inst., Armed Forces, 48-50; statist. consult., 52-55; res. assoc., United Charities of Chicago, 55-57; asst. prof. statist. methods, sch. soc. serv. admin., Chicago, 57-63, assoc. prof., 63-68; PROF., SCH. SOC. WORK, HAWAII, 68- Econ. Asn.; Statist. Asn.; Economet. Soc. Operations analysis; psychometrics; statistical methods. Publ: Co-auth, Food preference surveys; Assessment of social case record; Recording project. Address: School of Social Work, University of Hawaii, Honolulu, Hawaii 96822.
- POLENSKE, DR. KAREN ROSEL, b. Lewiston, Idaho, Mar. 20, 37. ECONOMICS. B.A., Oregon State, 59; M.A., Syracuse, 61; Ph.D.(econ.), Harvard, 66. INSTR. ECON. & SR. RES. ASSOC., HARVARD, 66- Econ. Asn.; Regional Sci. Asn. Multiregional input-output analysis of the American economy. Publ: Co-auth, The economic impact—industrial and regional—of an arms cut, Rev. Econ. & Statist., 8/65. Address: Harvard Economic Research Project, 1583 Massachusetts Ave., Cambridge, Mass. 02138.
- POLGAR, DR. STEVEN, b. Budapest, Hungary, Oct. 24, 31; nat; m. 61. ANTHROPOLOGY. M.A., Chicago, 54, Ph.D.(anthrop.), 56; M.P.H., Harvard, 57. Instr. anthrop., univ. col., Chicago, 56; res., Russell Sage Found., 56-57; res. asst. psychiatrist, Walter Reed Army Inst. Res., 57-59; lectr. pub. health, California, Berkeley, 59-63; dir. res., Planned Parenthood Fedn. Am., 63-67; ASSOC. PROF. ANTHROP. & ASSOC. DIR. CAROLINA POP. CENTER, NORTH CAROLINA, CHAPEL HILL, 67- Adv. human reprod. unit, World Health Orgn., 68- U.S.A., 57-59, Res., 59-65. Fel. AAAS; fel. Anthropol. Asn.; fel. Soc. Appl. Anthropol.; fel. Pub. Health Asn.; Soc. Study Soc. Probs. Cultural demography and ecology; social evolution; applied anthropology in public health; development; Africa. Publ: Evolution and the thermodynamic imperative, Human Biol., 5/61; Health and human behavior, Current Anthrop., 4/62; Socio-cultural aspects of family planning, Human Orgn., winter 66. Address: Carolina Population Center, University of North Carolina, 123 W. Franklin St., Chapel Hill, N.C. 27514.
- POLIDORA, DR. V(INCENT) J(AMES), b. Leetsdale, Pa., June 15, 31; div; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A., Ohio State, 54, M.A., 55, fel. 57-59, Ph.D., 59. Asst. lab. aviation psychol., Ohio State, 54-55; res. fel. neuro-psychiat. inst., Illinois, 59-60; RES. ASSOC., PRIMATE LAB, WISCONSIN, 60-, RES. UNIT CHIEF, PRIMATE CENTER, 63-, ASSOC. PROF. PSYCHOL., UNIV., 65- Vis. assoc. prof., California, Irvine, 67-68. AAAS; Psychol. Asn.; Psychonomic Soc. Comparative and physiological psychology; psychopharmacology; primatology; biochemical correlates of behavior. Address: Dept. of Psychology, University of Wisconsin, Madison, Wis. 53706.
- POLIN, DR. A(LBERT) TERENCE, b. New York, N.Y., Sept. 29, 24; m. 47; c. 3. INDUSTRIAL PSYCHOLOGY, BUSINESS MANAGEMENT. B.A., Wis-

consin, 47, M.A. 48; fel, Columbia, 50-53, M.A. 52, Ph.D.(psychol), 58. Personnel psychologist, U.S. Air Force, 53-55; specialist personnel develop, Gen. Elec. Co, 55-59, mgr, 59-61; ASSOC. PROF. MGT, GRAD. SCH. BUS, SOUTHERN CALIFORNIA, 61-, dir. res. inst. bus. & econ, 61-64. Consult, Indust. Ed. Inst, 59- U.S.N, 43-45. Psychol. Asn; Inst. Mgt. Sci. Group dynamics and sensitivity; managerial development; evaluating employee performance; psychological theory of learning. Publ: Effects of flooding and physical suppression as extinction techniques on an anxiety motivated avoidance locomotor response, J. Psychol; Necessity for auditing your manpower resources, U.S. Tobacco J. Address: 409 Via la Soledad, Redondo Beach, Calif. 90277.

POLIN, PROF. RAYMOND, b. Westport, Mass, Aug. 9, 18; m. 57; c. 5. GOVERNMENT. A.B. N.Y. Univ, 40, A.M. 41, Penfield fel, 48-49, Ph.D.(hist), 59. Instr. hist. Eng. & econ, Prep. Acad. N.Y., 44-46; hist. & govt, Long Island, 46-49, asst. prof, 49-59; chmn. dept. sec. ed, grad. sch. ed, Yeshiva, 59-61, asst. prof. govt, 59-62, dir. summer session, 60; assoc. prof. POLIT. SCI. GRAD. SCH. ARTS & SCI, ST. JOHN'S (N.Y.), 62-67, PROF, 67- Vis. asst. prof, grad. sch. arts & sci, N.Y. Univ, 61, vis. assoc. prof, 62-67. Consult, prog. planner & video panelist, Hall of Ed, New York World's Fair, 62-64; soc. sci. consult, Confraternity of Christian Doctrine Publ. & consult, Interuniv. Assocs, 67- V-pres, Middle States Coun. Soc. Studies, 66-68. Dean Harry J. Carman Mem. gold medal, 65. Polit. Sci. Asn; Hist. Asn; Nat. Coun. Soc. Studies; Acad. Polit. & Soc. Sci; Acad. Polit. Sci. Political and social theory; constitutional history. Publ: Marxian foundations of Communism, Regnery, 68; Foreshadows of the Declaration of Independence in the New York press, Freeman, 7/63; The political theory within the Declaration of Independence, Social Studies, 4/66. Address: Dept. of Political Science, St. John's University, Jamaica, N.Y. 11432.

POLINSKY, DON M(ICHAE), b. Seattle, Wash, Dec. 13, 29; m. 59; c. 1. HUMAN ENGINEERING. B.S. Wash. State Col, 52, M.S. 55. Eng. aid stress anal, Boeing Airplane Co, 55; jr. scientist radiation data anal, Hanford Labs. Oper. Gen. Elec. Co, 55-57, personnel results analyst, fuels preparation dept, 57-58; field serv. rep. Bomarc Proj, pilotless aircraft div, BOEING CO, SEATTLE, 58, indust. engr, indust. rels. dept, 59, assoc. res. engr, minuteman proj, aerospace div, 59-65, RES. ENGR, 65-67, SUPERSONIC TRANSPORT PROJ, SUPERSONIC TRANSPORT BR, COMMERCIAL AIRPLANE DIV, 67- Psychol. Asn; Soc. Eng. Psychol. Statistical techniques; employee relations; application of systems engineering techniques for the development of mechanized information retrieval systems. Publ: Effect of hue durations on dark adaptation, J. Optical Soc. Am. Address: 12516 S.E. 49th St, Bellevue, Wash. 98004.

POLINSKY, DR. ELLA JOAN, Econ, see 10th ed, Soc. & Behav. Vols.

POLISHOOK, DR. IRWIN H, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

POLIZZI, DR. JOSEPH ANTHONY, b. Rochester, N.Y, Nov. 8, 38. SOCIOLOGY. B.S. St. John Fisher Col, 60; M.A. Fordham, 62; Ph.D.(rural sociol), Cornell, 67; Perugia, 63; Fulbright scholar, Naples, 63-64. ASST. PROF. SOCIOLOGY, & ED, ST. JOHN FISHER COL, 65- Sociol. Soc; Rural Sociol. Soc; Soc. Int. Develop; European Soc. Rural Sociol. Theory; social change; peasantry. Address: 82 Yorkshire Rd, Rochester, N.Y. 14609.

POLK, ISAAC NEWTON, JR, b. Cleburne, Tex, Nov. 19, 19; m. 54; c. 2. ECONOMICS. A.B. Harvard, 51. Econ. analyst, Creole Petrol. Corp, Standard Oil Co.(N.J.), Venezuela, 53-60; ops. res. specialist, Lockheed Missiles & Space Co, Calif, 60-63; COST RES. SPECIALIST, GEN. DYNAMICS CORP, 63- Econ. Asn. Economic aspects of Soviet Bloc petroleum reserves; economics of communication satellite applications; aircraft program costing; cost effects of production rate change. Publ: Petroleum situation in the Soviet Bloc; Future free world petroleum product demand and refining capacity; U.S. oil import restrictions. Address: 4416 Summercrest Court, Ft. Worth, Tex. 76109.

POLK, PROF. KENNETH, b. San Diego, Calif, Mar. 28, 35; m. 58; c. 2. SOCIOLOGY. B.A. San Diego State Col, 56; M.A. Northwestern, 57; Ph.D. California, Los Angeles, 61. Asst. soc. scientist human factors, Syst. Develop. Corp, 58-59; asst. pub. health, California, Los Angeles, 59-60; instr. SOCIOLOGY, OREGON, 60-61, asst. prof, 61-66. ASSOC. PROF. 66- Res. dir, Lane County Youth Proj, 62-67; Nat. Inst. Ment. Health dir, Marion County Youth Proj, 66- Consult, President's Crime Cmn, 66; Joint Cmn. Correctional Manpower & Training, 66-67; Off. Econ. Opportunity, 66-67; off. juvenile delinquency & youth develop, U.S. Dept. Health, Ed. & Welfare, 67. U.S.A.F.R. 57-59, 1st Lt. Sociol. Asn. Social science research methods; criminology and delinquency. Publ: Measuring delinquency; Delinquency and social areas. Soc. Problems; co-auth. Adolescence, commitment and delinquency, J. Res. Crime & Delinquency, 66. Address: Dept. of Sociology, University of Oregon, Eugene, Ore. 97401.

POLK, PROF. WILLIAM ROE, Mid. East. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

POLKINGHORN, PROF. R(OBERT) STEPHEN, b. Craig, Colo, May 19, 24; m. 51; c. 3. ECONOMICS. B.A. Colorado, 48; M.A. Chicago, 52, Ph.D. 58. Asst. ECON, Nebraska, 52-53, instr, 53-56; asst. prof, SACRAMENTO STATE COL, 56-61, assoc. prof, 61-66. PROF, 66-, COORDINATOR COL. HONORS PROG, 62- U.S.A.A.F., 43-46. Econ. Asn. Development of the logging industry in the Sierra Mountains. Publ: Pino Grande: a history of Michigan-California lumber company, Howell-North, 66; City and regional wage comparisons, Nebr. Bus. Res. Bull. Address: Dept. of Economics, Sacramento State College, 6000 J St, Sacramento, Calif. 95819.

POLL, DR. SOLOMON, b. Austria, Feb. 26, 21; m. 50; c. 3. SOCIOLOGY. B.S. Temple, 55; M.A. Pennsylvania, 57, Ph.D.(sociol), 60. Instr. sociol, Pennsylvania, 57-60, asst. prof. human rels, 61-63; SOCIOLOGY, Rutgers, 61; assoc. prof, Pa. Mil. Col, 63-64; PROF, NEW HAMPSHIRE, 64- Consult, Aquinas Fund, 62-63; Cent. Univ. Res. Fund, Univ. New Hampshire, 65-67. AAAS; Sociol. Asn. Traditional communities that have thus far successfully

resisted assimilation and finding major social characteristics of the group that aid in the persistence of tradition. Publ: The Hasidic community of Williamsburg, Macmillan, 62; Ancient thoughts in modern perspectives: a contemporary view of the bible, Philos. Library, 68; The role of Yiddish in American ultra-Orthodox and Hasidic communities, Yivo Annual Jewish Soc. Sci, 65. Address: Dept. of Sociology, University of New Hampshire, Durham, N.H. 03824.

POLLACK, DR. GERALD A(LEXANDER), b. Vienna, Austria, Jan. 14, 29; nat. ECONOMICS. B.A. Swarthmore Col, 51; M.A. & M.P.A. Princeton, 53, Ph.D.(econ), 58. Instr. econ, Swarthmore Col, 55; asst, Princeton, 55-57, instr, 57-58; economist, Leeds & Northrup Co, 58-62; officer in charge int. payments, U.S. Dept. State, 62-63; int. economist, Joint Econ. Cmt. of Cong, 63-65; chief economist, Spec. Rep. Trade Negotiations, 64; DEP. ASST. SECY. COMMERCE FOR ECON. AFFAIRS, 65- U.S.A. 53-55. Econ. Asn; Asn. Bus. Econ. International and managerial economics. Publ: Perspectives on the United States international financial position, Joint Econ. Cmt. Cong, 63; Capital budgeting controversy: present value versus discounted cash flow method, Nat. Asn. Acct. Bull. Address: 1100 Sixth St. S.W., Washington, D.C. 20024.

POLLACK, DR. HARRIET, b. New York, N.Y, Mar. 23, 25; m. 43; c. 2. POLITICAL SCIENCE. B.A. Hunter Col, 45, M.A. 62; scholar, Columbia, 65-66, Ph.D.(polit. sci), 67. Lectr. AM. GOVT, Hunter Col, 63-64; instr, State Univ. N.Y. Stony Brook, 66-67; ASST. PROF, JOHN JAY COL, CITY UNIV. NEW YORK, 67- City Univ. New York summer res. grant, 68. Polit. Sci. Asn. Constitutional law; judicial process. Address: Dept. of Government, John Jay College of Criminal Justice, City University of New York, 315 Park Ave. S, New York, N.Y. 10010.

POLLACK, PROF. IRWIN, b. Bridgeport, Conn, Apr. 10, 25; m. 49; c. 3. PSYCHOLOGY. B.S. Florida, 45; M.A. Harvard, 46, Ph.D. 49. Sr. res. psychologist, oper. appln. off, electronic systs. div, L.G. Hanscom Field, Mass, 49-63; PROF. PSYCHOL. & RES. PSYCHOLOGIST, MENT. HEALTH RES. INST, MICHIGAN, 63- Mem. cmt. hearing & bioacoustics, Nat. Acad. Sci-Nat. Res. Coun, 58; adv. panel. psychobiol, Nat. Sci. Found, 65-; submt. on human response, SST sonic boom, Nat. Acad. Sci, 66- Psychol. Asn; Acoustical Soc. Speech and hearing; communications; information measurement. Publ: Detection and relative discrimination of auditory jitter, J. Acoustical Soc. Am, 2/68; Information theory. In: International encyclopedia of sciences, Vol. 7, Macmillan, 68; Methodological examination of the PEST (parametric estimation by sequential testing) procedure, Perception & Psychophysics, 68. Address: Mental Health Research Institute, University of Michigan, Ann Arbor, Mich. 48103.

POLLACK, DR. MAX, b. Rumania, Jan. 21, 22; nat; m. 44; c. 2. PSYCHOLOGY. A.B. N.Y. Univ, 47, fel, 47-48, Ph.D. 55. Res. psychologist, col. med, N.Y. Univ, 48-50; neurol. dept, Mt. Sinai Hosp, New York, 51-54; RES. AS- SOC, Henry Ittleson Inst. Child Res, 55-56; EXP. PSYCHIAT, HILLSIDE HOSP, 57-; ASSOC. PROF. PSYCHOL, QUEEN'S COL.(N.Y.), 66- U.S. Pub. Health Serv. res. career develop. award, 64-66. Consult, dept. ment. hygiene, State of N.Y, 57-64; Home for Aged & Infirm Hebrews, 59-64. U.S.A. 44-46. AAAS; Psychol. Asn; Orthopsychiat. Asn; Asn. Ment. Deficiency; Acad. Neurol; Psychopath. Asn; Acad. Ment. Deficiency. Relation of brain function to behavior; psychopathology; child development. Address: Dept. of Experimental Psychiatry, Hillside Hospital, Glen Oaks, N.Y. 11004.

POLLACK, DR. ROBERT HARVEY, b. New York, N.Y, June 26, 27; m. 48; c. 3. PSYCHOLOGY. B.S. City Col. New York, 48; M.A. Clark, 50, Ph.D. (psychol), 53. Lectr. psychol, Sydney, 53-61; chief, div. cognitive develop, INST. JUVENILE RES, 61-67, DEP. DIR. RES, 63-, PROG. DIR. EXP. PSYCHOL, 67- Nat. Inst. Ment. Health spec. res. fel, 60-61; lectr, Northwestern, 64, eve. col, 64-65; Nat. Inst. Child Health & Human Develop. res. grants, 65-70; lectr, Chicago, 66- U.S.A. 45-46. AAAS; Psychol. Asn; Australian Psychol. Soc. Perceptual development; geometric illusions; figural masking; apparent movement; sensory thresholds; relation of intelligence to perception; visual perception; figural aftereffects; contour interaction. Publ: The effects of fixation on the apparent magnitude of bounded horizontal extents, Am. J. Psychol, 6/64; Simultaneous and successive presentation of elements of the Mueller-Lyer figure and chronological age. Percept. Motor Skills, 9/64; Some implications of ontogenetic changes in perception, In: Essays in cognitive development: studies in honor of Piaget, Oxford Univ. Press, 68. Address: Institute for Juvenile Research, 232 E. Ohio St, Chicago, Ill. 60611.

POLLAK, PROF. OTTO, b. Vienna, Austria, Apr. 30, 08; nat; m. SOCIOLOGY. J.D. Vienna, 30; A.M. Bryn Mawr Col, 40; Ph.D. Pennsylvania, 47. From asst. prof. to PROF. SOCIOLOGY, PENNSYLVANIA, 47- Dir. res, Sidney Hillman Med. Center, 66- Consult, Valley Forge Gen. Hosp, 64- Utilization study of senior citizens' center in Philadelphia. Publ: The criminality of women; Social adjustment in old age; Integrating sociological and psycho-analytic concepts. Address: 1020 Wyndon Ave, Bryn Mawr, Pa. 19010.

POLLARD, GEORGE M(ARVIN), b. St. Joseph, Mo, Oct. 5, 09; m. 39; c. 1. ECONOMICS. A.B. George Washington, 34, M.A. 39; Columbia, 38-41. With U.S. Dept. Agr, 28-41; economist & statistician, War Prod. Bd, 41-43; for. affairs & int. economist, U.S. Dept. Army, 46-49; U.S. Govt, 50; U.S. Dept. State, 51-55, for. serv. officer, 55-64; INT. ECONOMIST, U.S. DEPT. COMMERCE, WASH, D.C. 64- U.S.N.R. 43-49; U.S.A.R. 49- Foreign, political and military affairs. Address: 9369 Campbell Rd, Vienna, Va. 22180.

POLLARD, DR. JOHN C(HEETHAM), Psychiat, see 11th ed, Phys. & Biol. Vols.

POLLARD, PROF. S(PENCER) D(RUMMOND), b. Washington, D.C, Dec. 3, 10. LABOR ECONOMICS. A.B. Harvard, 32, Ph.D. 40; Rhodes scholar, Oxford & Cambridge, 32-35; B.Litt, Oxford, 35. Asst. prof, California, 41-43; economist, Nat. War Labor Bd, 43-45; PRFNL. ARBITRATOR LABOR DISPUTES, 45-; PROF. ECON, SOUTHERN CALIFORNIA, 49-, assoc. prof, 46-59. Publ: Ed. Arbitration and public policy; auth. How Capitalism can succeed, Stackpole, 66. Address: Dept. of Economics, University of Southern California, Los Angeles, Calif. 90007.

- POLLEN, DR. DAVID S(AUL), b. New York, N.Y., Jan. 13, 29; m. 56; c. 2. PUBLIC ADMINISTRATION. A.B. Swarthmore Col. 49; M.A. Harvard, 50; Ed.D. Columbia, 58. Teacher, admin. asst. pub. schs. N.Y., 54-58; dir. personnel, Cent. Sch. Dist. 58-60; consult. inst. mgt. Booz, Allen & Hamilton, Inc. 60-65; dep. exec. dir. Fed. Commun. Cmn. 65-66; DEP. ASSOC. CMNR. ED. FOR RES. U.S. OFF. ED. 67- U.S.A.F. 51-53, 1st Lt. Acad. Polit. & Soc. Sci. Ed. Res. Asn. Advancing practices of management in public, educational and nonprofit institutions and organizations; management and improvement of educational research, development, demonstration and dissemination. Address: Office of Education, U.S. Dept. of Health, Education & Welfare, Washington, D.C. 20202.
- POLLENS, DR. BERTRAM, b. Russia-Poland, Jan. 23, 11; nat; m. 39; c. 3. PSYCHOLOGY. B.S.S. City Col. New York, 30; M.A. Columbia, 32; J.D. N.Y. Univ. 32, Ph.D.(psychol), 51. Psychol. counsr. City Col. New York, 29-33; sr. psychologist, Dept. Correction, N.Y., 35-39; personnel consult, Beaunit Mills, Inc. 39-42; CLIN. PSYCHOLOGIST, 46- Lectr. City Col. New York, 39-41; Queen's Col.(N.Y.), 56-61; mem. faculty, Inst. Practicing Psychotherapists, 60- Psychologist, Vet. Admin. Ment. Hyg. Serv. 46-51; psychother. supvr. Community Guid. Serv. 55-66; consult. Mobilization for Youth, 67-68. Dipl. clin. psychol. Am. Bd. Exam. Prfln. Psychol. 51. U.S.A. 42-46. Capt. AAAS; Psychol. Asn; Nat. Psychol. Asn. Psychoanal. Clinical psychology; psychotherapy; group therapy. Publ: The sex criminal; The analysts Role; The analysts role, to interpret or to react, In: Interpretations in psychotherapy, Grune, 68. Address: 121 E. 61st St, New York, N.Y. 10021.
- POLLEY, DR. IRA, b. Haines, Alaska, June 18, 17; m. 53; c. 2. POLITICAL SCIENCE. B.A. Indiana, 38; Soc. Sci. Res. Coun. field fel. 41-42; London, 53-54; Ph.D.(polit. sci), Minnesota, 54. Admin. asst. Off. Civilian Defense, 42; from asst. procedural analyst to assoc. procedural analyst, War Prod. Bd. 42; field exam. & indust. rels. analyst, Nat. Labor Rels. Bd. 42-47, 48-51; asst. prof. polit. sci, Mich. State, 47-48; regional dir. & regional chmn. Wage Stabilization Bd. Minn. 51-53; res. assoc. pub. admin. Wayne, 54-55; vis. assoc. prof. & acting assoc. dir. pub. admin. center, dept. polit. sci, Minnesota, 55-56; budget exam. higher ed. budget dir. State Dept. Admin. Mich. 56-59, exec. asst. to state controller, 59-60, state controller & secy. admin. bd. 60-62; exec. dir. Mich. Coun. State Col. Pres. 62-66; STATE SUPT. PUB. INSTR. MICH. DEPT. ED. 66- Dir. res. & staff, Governor's Adv. Cmt. Reorgn. Mich; chmn. State Cmn. Interstate Coop; Coord. Cmt. Area. Redevelop. Admin. Soc. Sci. Res. Coun. demobilization award, 47. U.S.N.R., 43-44. Polit. Sci. Asn; Soc. Pub. Admin; Arbit. Asn. Public law and administration; American political ideas. Publ: Wage stabilization in region 8; Program development and control; co-auth. Constitutional revision. Address: State Dept. of Education, Michigan National Tower, Lansing, Mich. 48902.
- POLLIE, DR. DONALD M(ITCHELL), b. Grand Rapids, Mich. Jan. 20, 27; m. 54; c. 2. CLINICAL PSYCHOLOGY. B.A. Kalamazoo col. 50; M.A. Michigan, 52, Ph.D. 56. Instr. med. psychol. Washington (St. Louis), 56-59; asst. prof. PSYCHOL. Arizona State, 59-63; ASSOC. PROF. FLINT COL. UNIV. MICHIGAN, 63- U.S.N.R., 45-46. Psychol. Asn. Psychosomatic medicine; role of parent-child relations in the formation of personality in childhood. Publ: Relieving anxiety in classroom examinations, J. Abnorm. & Soc. Psychol; Relationship between the CMAS and WISC functioning, J. Clin. Psychol; A projective study of conflict and defense in peptic ulcers and bronchial asthma, J. Proj. Tech, 64. Address: University of Michigan Flint College, Flint, Mich. 48503.
- POLLIN, DR. WILLIAM, b. Philadelphia, Pa. May 13, 22; m. 51; c. 2. PSYCHOANALYSIS. B.A. Brooklyn Col. 47; M.D. Columbia, 52. Tutor & lectr. biol. Brooklyn Col. 47-51; fel. psychiat. sch. med. Pittsburgh, 53-56; res. psychiatrist, NAT. INST. MENT. HEALTH, 56-68, CHIEF, sect. psychiatrist, lab. clin. sci. 58-63, SECT. TWIN & SIBLING STUDIES, ADULT PSYCHIAT. BR. 63- Resident & teaching fel. West. Psychiat. Inst. & Clin. med. center, Pittsburgh, 53-56. U.S. Merchant Marine, 42-46; U.S. Pub. Health Serv. Res. 56-, med. dir. Am. Med. Asn; Psychiat. Asn. Schizophrenia; psychotherapy; application of psychiatric knowledge to international relationships; monozygotic twins discordant for schizophrenia; conflict resolution; personality development. Publ: Co-auth. The physiological and psychological effects of intravenously administered epinephrine and its metabolism in normal and schizophrenic men. II Psychiatric observations, J. Psychiat. Res. 61; auth. The behavioral sciences and war and peace, Science, 62; Biological, psychological and historical differences in a series of monozygotic twins discordant for schizophrenia, In: The transmission of schizophrenia, Pergamon, 68. Address: National Institute of Mental Health, Bethesda, Md. 20014.
- POLLIO, DR. HOWARD R, b. New York, N.Y., July 5, 37; m. 59; c. 3. PSYCHOLOGY. B.A. Brooklyn Col. 57, M.A. 59; Ph.D.(psychol), Michigan, 62. Asst. prof. PSYCHOL. TENNESSEE, 62-64, ASSOC. PROF. 64- U.S. Pub. Health Serv. res. grants, 64-66 & 67-69. Psychol. Asn; Psychonomic Soc. Human learning and complex human processes. Publ: The structural basis of word association, Mouton & Co, The Hague, 66; Associative structure and verbal behavior, In: Verbal behavior and general behavior theory, Prentice-Hall, 67; sr. co-auth. Associative structure and the temporal properties of free recall, J. Exp. Psychol, 66. Address: Dept. of Psychology, University of Tennessee, Knoxville, Tenn. 37916.
- POLLIS, PROF. ADAMANTIA, Polit, Int. Rels, see 10th ed, Soc. & Behav. Vols.
- POLLIS, DR. NICHOLAS PETER, b. New York, N.Y., Nov. 29, 28; m. 68. PSYCHOLOGY, SOCIAL PSYCHOLOGY. B.A. Hopkins, 51; Ph.D.(soc. psychol), Oklahoma, 64. Res. assoc. soc. psychol. inst. group rels. Oklahoma, 61-62; asst. prof. psychol. Bethany Col.(W.Va.), 62-64, dir. testing prog, 62-63, acting head dept. 63-64; asst. prof. SOC. PSYCHOL. OKLA. STATE, 64-67, ASSOC. PROF. 67- U.S.A. 46-47. AAAS; Psychol. Asn; Sociol. Asn. Group processes; attitude theory. Publ: Conformity and resistance to compliance, J. Psychol, 66; Relative stability of scales formed in individual, togetherness and group situations, Brit. J. Soc. & Clin. Psychol, 67; Individual judgemental stability and the natural group, J. Soc. Psychol, 68. Address: Dept. of Psychology, Oklahoma State University, Stillwater, Okla. 74075.
- POLLOCK, DAVID H(AROLD), b. Prince Albert, Sask, June 14, 22; m. 51; c. 3. ECONOMIC DEVELOPMENT, INTERNATIONAL ECONOMICS. B.A. Saskatchewan, 47; fel. Chicago, 48, M.B.A. 49. Res. trainee, Int. Bank Reconstruct. & Develop. 50-51; first officer econ. affairs res. & ops., UN Econ. Cmn. Latin Am, Santiago, Mexico City & D.C. 51-62; spec. asst. to secy-gen. UN Conf. Trade & Develop. New York, 63-64, chief commodity studies & anal. Geneva, 65-67; CHIEF UN ECON. CMN. LATIN AM. WASH. OFF. 67- R.C.A.F. 41-46, Flying Officer. Econ. Asn; Soc. Int. Develop. United Nations research and policy assignments related to Latin American balance of payments; individual Latin American countries; international commodity and capital flow measures; commodity policy. Publ: Development of commodity trade between Latin America and the U.S.A; Economic development of El Salvador; Development of an international commodity policy. Address: United Nations Economic Commission for Latin America, 1819 H St. N.W. Washington, D.C. 20006.
- POLLOCK, PROF. FLOYD A(LLEN), b. Powersville, Mo, Feb. 16, 03; m. 34; c. 1. SOCIOLOGY. B.A. Baker, 27; M.A. Colo. State Col. 32; Ph.D. Southern California, 42. Chmn. dept. soc. sci, Ft. Lewis Br, Colo. State Col. 32-46; prof. sociol. & chmn. dept. Stephen F. Austin State Col. 46-62; PROF. & CHMN. DEPT. SOCIOL. WILLIAM WOODS COL. 62- Sociol. Asn. Cultural sociology; family; social problems. Publ: Cultural significance of the Navaho problem, Tex. J. Sci. Address: Dept. of Sociology, William Woods College, Fulton, Mo. 65251.
- POLLOCK, DR. GEORGE H(OWARD), Psychiat, see 11th ed, Phys. & Biol. Vols.
- POLLOCK, DR. H(ARRY) E(VELYN) D(ORR), b. Salt Lake City, Utah, June 24, 00; m. 40; c. 1. ANTHROPOLOGY. B.A. Harvard, 23, M.A. 30, Ph.D. (anthrop), 36. Asst. archaeologist, CARNEGIE INST. Guatemala & Yucatan, 28-30, archaeologist, div. hist. res. 31-45, sr. archaeologist, 46-47, exec. officer, 47-50, dir. dept. archaeol. 50-58, RES. ASSOC. 58-; CURATOR MAYA ARCHAEOLOG. PEABODY MUS. HARVARD, 63-, res. fel. 53-65. U.S.A.A.F. 42-45. Fel. Anthropol. Asn; Soc. Archaeol; fel. Acad. Arts & Sci. Middle American archaeology; Maya architecture. Address: 11 Berkeley Place, Cambridge, Mass. 02138.
- POLLOCK, PROF. JAMES K(ERR), b. New Castle, Pa. May 25, 98. POLITICAL SCIENCE. A.B. Michigan, 20, A.M. 21; Ph.D. Harvard, 25; LL.D. Pittsburgh, 57; Litt.D. Ohio Northern, 60; LL.D. Massachusetts, 63, Adrian Col. 65, Olivet Col. 66, Iowa Wesleyan Col. 67. Prof. hist. & polit. Geneva Col. 21-22; asst. govt. Harvard, 22-23; instr. POLIT. SCI. Ohio State, 23-25; MICHIGAN, 25-27, asst. prof. 27-29, assoc. prof. 29-34, prof. 34-48, MURFIN PROF. 48- Soc. Sci. Res. Coun. fel. Europe, 27-29. Chmn. Civil Serv. Study Cmn. 35-37; adv. to Am. Mil. Gov. Germany, 45-49, U.S. High Cmnr. 50; mem. Hoover Cmn. 47-49; v.chmn. Adv. Cmn. Intergovt. Rels. 59-; del. Mich. Constitutional Convention, 61-62; dir. Govt. Affairs Inst; trustee, Citizen's Conf. State Legis. Medal for Merit, 46; Knight Commander, Order of Merit, West Germany, 59. Polit. Sci. Asn.(pres, 50); Acad. Polit. & Soc. Sci; Int. Polit. Sci. Asn.(pres, 55-58). American and European governments; political parties. Publ: Money and politics abroad; The government of greater Germany; co-auth. Germany in power and eclipse. Address: Dept. of Political Science, University of Michigan, Ann Arbor, Mich. 48104.
- POLLOCK, ROSS, b. Washington, D.C., Jan. 8, 08; m. c. 3. PUBLIC ADMINISTRATION. B.S. Lafayette Col. 30; M.A. George Washington, 32. Asst. chief interdept. placement serv. U.S. Civil Serv. Cmn. 40-41, staff asst. exam. div. 41-44, dir. fed. work improv. prog. 44-45, asst. chief, exam. div. 46-54, chief career develop. sect. 54-60, asst. dir. off. career develop. 60-66; exec. dir. President's Cmt. Career Adv. 66; RESIDENT ADV. PUB. ADMIN. INDIAN INST. PUB. ADMIN. NEW DELHI, 67- Assoc. prof. lectr. George Washington, 59-; prof-adv. Univ. Southern California Proj. Pakistan, 61; assoc. inst. appl. behav. sci. Nat. Training Labs. 64-; prog. specialist, Ford Found. Field Off. New Delhi, India, 67- Consult. High Cmnr. Germany, 51. Award, Pub. Personnel Asn, 57; Training Officers Conf. awards, 58 & 67; award, Am. Soc. Training Dirs, 60. Soc. Pub. Admin; Soc. Personnel Admin; Polit. Sci. Asn; Acad. Mgt. Strengthening training in the Federal Service. Publ: Co-auth. Executives for government; auth. Pointers on democracy from Germany; The personnel officer. Address: Ford Foundation, India Field Office, 320 E. 43rd St, New York, N.Y. 10017.
- POLLOCK, DR. WILLIAM T(HOMAS), Exp. Psychol, see 11th ed, Phys. & Biol. Vols.
- POLNER, DR. WALTER, b. New York, N.Y., Feb. 22, 27; m. 60. ECONOMICICS. B.A. Wisconsin, 47, M.A. 48, Ph.D. 54. Res. assoc. Am. Med. Asn, 57-60; DIR. RES. CUNA, INT. 60- Indust. rels. consult, Chicago Heart Asn, 54-57. Econ. Asn; Statist. Asn; Pub. Health Asn; Bus. Econ. Relations of savings and installment lending; utilization of medical institutions. Publ: Critique of some statistics of health insurance among the aged, J. Am. Med. Asn; Day hospitals, Geriatrics; Hospital utilization experience of the aged under voluntary health insurance, Chartered Life Underwriters J. Address: 213 Chestnut St, Madison, Wis. 53705.
- POLMANTIER, PROF. PAUL C(HURCHILL), b. Emerson, Nebr. Apr. 29, 13; m; c. 2. PSYCHOLOGY. B.A. Omaha, 34; M.A. Nebraska, 35; fel. Minnesota, 40-41, Ph.D.(ed. psychol), 41. Instr. ED. Mankato State Col. 41-42; asst. prof. Mich. State, 42-43; MISSOURI, COLUMBIA, 46, assoc. prof. 46-49, PROF. 49-, dir. univ. testing & counseling serv. 46-53. Consult. Vet. Admin. 53- Dipl. Am. Bd. Exam. Prfln. Psychol. 50. U.S.N.R. 43-45, Lt. Fel. Psychol. Asn; Personnel & Guid. Asn. Counseling and educational psychology; professional education. Publ: Co-auth. Casebook of counseling, Objective analysis of achievement in freshman English & Effectiveness of the audio-laboratory in elementary modern language courses. Address: 5A Hill Hall, University of Missouri, Columbia, Mo. 65201.

POLONSKY, DIMITRI, Psychol, see 10th ed, Soc. & Behav. Vols.

POLOPOLUS, DR. LEONIDAS, b. San Bernardino, Calif, Aug. 8, 33; m. 56; c. 1. AGRICULTURAL ECONOMICS. B.S. California, Davis, 55, Ph.D., Berkeley, 60. Asst. agr. econ, California, Berkeley, 56-60, econ. Davis, 57-58; consult. economist labor econ, West. Res. Conf, 60; asst. prof. agr. econ, La. State, 60-63, assoc. prof, 63-65; res. economist, FLA. CITRUS CMN, 65-66, DIR, 66- Assoc. prof, Florida, 65- Consult. wage & hour & pub. contracts divs, U.S. Dept. Labor, 61-62. Econ. Asn; Agr. Econ. Asn. Agricultural marketing; plant location and economic feasibility analyses; agricultural labor and policy. Publ: Economic feasibility research—an aid to area development planning, 12/84 & Optimum plant numbers and locations for multiple product processing, 5/65, J. Farm Econ; Synthetic, substitutes, and food marketing, J. Mkt, 10/67. Address: 137 McCarty Hall, University of Florida, Gainesville, Fla. 32601.

POLSBY, PROF. NELSON W(OOLF), b. Norwich, Conn, Oct. 25, 34; m. 58; c. 1. POLITICAL SCIENCE, SOCIOLOGY. A.B. & scholar, Hopkins, 56; Willson fel, Brown, 55-56; M.A. Yale, 58, Soc. Sci. Res. Coun. fel, 60, Ph.D. (polit. sci) & Falk fel, 61; fel, Brookings Instn, 59-60. Instr. polit. sci, Wisconsin, 60-61; asst. prof. govt, Wesleyan, 61-64, assoc. prof, 64-67, PROF, 67-68; POLIT. SCI, CALIFORNIA, BERKELEY, 67- Gen. ed. polit. sci, Macmillan Co, 65- Mem. gen. adv. cmt. & select cmt. govt. res, U.S. House Rep, 63-65; prog. adv. cmt, Center Urban Ed, New York, 66- Polit. Sci. Asn; Sociol. Asn. Empirical political theory; politics of the House of Representatives; political sociology. Publ: Community power and political theory, Yale Univ. Press, 63; Congress and the Presidency, Prentice-Hall, 64; co-auth, Presidential elections, Scribner, 64, 68. Address: Dept. of Political Science, University of California, Berkeley, Calif. 94720.

POLSON, PROF. ROBERT A(RNOLD), b. Truro, N.S, July 6, 05; m. 30; c. 2. RURAL SOCIOLOGY. B.S. Wisconsin, 27, M.S. 28, Ph.D. 32; Chicago, 29. Instr. exten. div. col. agr, CORNELL, 31-33, asst. prof, 33-41, assoc. prof, 41-47, PROF. RURAL SOCIOLOGY, 47-, acting head dept, 48-50, head dept, 50-57. State supvr, Emergency Farm Labor Prog, 44-45. Consult. Orgn. of Rural Develop. Progs, Africa & Asia, 56, 59-60; soc. sci. consult. col. agr, Philippines, 64 & 66; consult. Agr. Develop. Coun. Proj. on Training for Int. Rural Sociologists, 67- Mem. adv. panel rural sociol, Food & Agr. Orgn. 67- AAAS; Sociol. Asn; Soc. Appl. Anthropol; Rural Sociol. Soc. (secy-treas, 39-44, v-pres, 46-50, pres, 51). Community organization and organization methods; rural development programs in low income countries; technological change in the rural Philippines. Publ: Co-auth, Rural community organization, The status of rural life in the Dumaguete City trade area, Philippines 1952 & Social change in the Dumaguete trade area—Philippines 1951-1958, N.Y. State Col. Agr, Cornell Univ, 64. Address: 34 Warren Hall, Dept. of Rural Sociology, Cornell University, Ithaca, N.Y. 14850.

POLSTER, DR. ERVING, Psychol, see 10th ed, Soc. & Behav. Vols.

POMERANTZ, DR. A(LFRED) B(RUNO), Psychol, see 10th ed, Soc. & Behav. Vols, deceased.

POMERLEAU, DR. RAYMOND DENIS, b. Biddeford, Maine, Nov. 29, 32; m. 61; c. 1. POLITICAL SCIENCE. B.A. California, Los Angeles, 60, M.A., 63; Ph.D. (polit. sci), Oregon, 67. ASST. PROF. POLIT. SCI, SAN FRANCISCO STATE COL, 67- U.S.A., 53-55. Soc. Pub. Admin; Polit. Sci. Asn. Public administration; American government. Publ: Co-auth, The Sino-Soviet rift, Inst. Int. Studies & Overseas Admin, 64; auth, Some cultural and political factors inimical to planned social change in the Philippines, 4-7/66 & Community participation in planned social change: the Lagulo Spring development project, 1/67, Phil. J. Pub. Admin. Address: Dept. of Political Science, San Francisco State College, 1600 Holloway Ave, San Francisco, Calif. 94132.

POMEROY, DR. DONALD S(ILAS), b. Westfield, Mass, Mar. 13, 18; m. 46; c. 1. PSYCHOLOGY. B.A., Bates Col, 40; M.A., Iowa, 41, Ph.D. (psychol), 49. Clin. psychol. intern, Worcester State Hosp, 48-49; asst. prof. psychol. & exec. secy. psychol. clin, Illinois, 49-52; sr. clin. psychologist, Record-ers Court Psychopathic Clin, Detroit, Mich, 52-54; clin. psychologist, Merrill-Palmer Sch, 54-58; assoc. dir. & clin. psychologist, McGregor Health Center, Detroit, Mich, 58-67; ASST. PROF. COMMUNITY MED. ASSIGNED TO CORE STAFF, CHILDREN'S BUR. PROJ. PRE-SCH. SCH. CHILDREN & ADOLESCENTS, COL. MED, WAYNE STATE, 67- Clin. psychologist, Mich, 47-; consult. Vet. Admin, Danville, Ill, 50-51. U.S.A., 42-46, 51-52, Capt. Psychol. Asn. Clinical psychology, diagnostic appraisal and treatment of behavior problems; gerontology; psychotherapy with children and adolescents. Address: 17368 Snowden, Detroit, Mich. 48235.

POMEROY, DR. WARDELL B., b. Kalamazoo, Mich, Dec. 6, 13; m. 37; c. 3. CLINICAL PSYCHOLOGY. A.B. Indiana, 35, M.A., 41; Ph.D. Columbia, 52. Clin. psychologist, State Reformatory, Ind, 39-41; res. assoc. sexual behav, inst. sex res, Indiana, 43-56, dir. field res, 56-63; MARRIAGE COUNSEL, 63- Soc. Sci. Study Sex (pres. elect); Asn. Marriage Counsr; Psychol. Asn. Human sexual behavior. Publ: Boys and sex, Delacorte, 68; co-auth, Sexual behavior in the human male; Sexual behavior in the human female. Address: 215 E. 68th St, New York, N.Y. 10021.

POMPER, DR. GERALD M(ARVIN), b. New York, N.Y., Apr. 2, 35; m. 57; c. 3. POLITICAL SCIENCE. B.A. Columbia Col, 55; univ. fel, Princeton, 55-57, M.A., 57, Dodds fel, 58-59, Ph.D. (polit), 59. Asst. prof. POLIT. SCI, City Col. New York, 59-62; RUTGERS, 62-64, ASSOC. PROF, 64- Nat. Convention faculty fel, 64; Rutgers Univ. faculty res. fel, 66-67. Polit. Sci. Asn. Political parties; American government. Publ: Nominating the President, Northwestern Univ, 63; co-auth, American party politics, Holt, 66; auth, Elections in America, Dodd, 68. Address: Dept. of Political Science, Rutgers, The State University, New Brunswick, N.J. 08903.

POND, ALONZO W(ILLIAM), b. Janesville, Wis, June 18, 94; m. 26; c. 2. GEOGRAPHY. B.S. Beloit Col, 18; cert. Paris, 22; M.A. Chicago, 28; American Univ. Beirut, 51. Assoc. curator, Logan Mus, Beloit Col, 24-28, 29-31, leader expeds, N. Africa, 25-30; archaeologist & supt, Civilian Conserv. Corps Camp, U.S. Park Serv, 34-37; lectr, 37-40; mgr, Cave of Mounds, Wis, 40-45; lectr. & writer, 45-49; ed. & res. specialist, desert br, arctic,

desert & tropic info. center, Air Univ, 49-58, prof. desert geog. & chief desert br, res. studies inst, 51-58; RES. & WRITING, 58- Mgr, Wis. Gardens, 58- Archaeologist, exped. to Cent. Asia, Am. Mus. Natural Hist, 28; leader exped, Rainbow Bridge-Monument Valley, 33; air reconnaissance, Arabian Peninsula, 51; Sahara, 52. U.S.A., 17-19. AAAS. Geography of state parks in Wisconsin; prehistoric peoples in North Africa, Sahara and the Gobi of Mongolia. Publ: Deserts, silent lands of the world, 65, Caverns of the world, 68 & Survival in sun and sand, 69, Norton. Address: Wisconsin Gardens, Minocqua, Wis. 54548.

POND, PROF. GEORGE AUGUSTUS, Agr. Econ, see 10th ed, Soc. & Behav. Vols, deceased 67.

PONDER, DEAN HENRY, b. Seminole, Okla, Mar. 28, 28; m. 52; c. 2. AGRICULTURAL ECONOMICS. B.S. Langston, 51; M.S. Okla. State, 58; Ph.D. (agr. econ), Ohio State, 63. Foreman, Armour Packing Co, Okla, 47; farm supt, State Bd. Affairs, 51-53; res. asst, Okla. State, 58-58; asst. prof, Va. State Col, 58-61, chmn. dept. agr. econ, 63-64; res. asst, Ohio State, 61-63; chmn. dept, Ft. Valley State Col, 64-66; DEAN, ALA. AGR. & MECH. COL, 66- Consult, Tenn. Valley Authority, 64-66. U.S.A., 53-55, Sgt. Econ. Asn; Agr. Econ. Asn. Consumer income and expenditure patterns. Publ: Co-auth, A business study of single-unit cooperative grain elevators, Okla. State Univ, 8/60 & Cashier labor scheduling in supermarkets, Ohio State Univ, 7/64; auth, An example of the alternative cost doctrine applied to racial discrimination, J. Negro Ed, winter 66. Address: Alabama Agricultural & Mechanical College, Normal, Ala. 35762.

PONTECORVO, DR. GIULIO, b. Little Falls, N.J., July 24, 23; m. 47; c. 3. ECONOMICS. A.B. Dartmouth Col, 46, M.C.S. 47; Ph.D. California, 56. Instr. finance, Colorado, 53-55, asst. prof, 55-56; asst. prof. econ. & dir. center econ. res, Bowdoin Col, 56-63; ASSOC. PROF. BUS. ECON, GRAD. SCH. BUS, COLUMBIA, 63-, COORDINATOR DOCTORAL PROG, 64- Vis. teacher, Washington (Seattle), 61-62; vis. summer lectr, Buenos Aires, 64; Fulbright lectr, Norweg. Sch. Econ. & Bus. Admin, 67. U.S.A., 43-46. Econ. Asn; Finance Asn. Finance. Publ: Co-auth, Issues in banking and monetary analysis, Holt, 67. Address: 208 Uris Hall, Graduate School of Business, Columbia University, New York, N.Y. 10027.

PONTIUS, PROF. DALE, b. Franklin Co, Ohio, July 27, 06; m. 58; c. 3. POLITICAL SCIENCE. A.B. Ohio State, 27; A.M. Harvard, 28, Ph.D. 40; Berlin & Heidelberg, 28-29. Instr. Detroit City Col, 29-30; asst. Harvard, 30-32; Dartmouth Col, 32-33; Gov. Cmn. County Govt, Ohio, 34-35; state coordinator statist, res. & record proj, Works Progress Admin, Mass, 38; technician, U.S. Bur. Labor Statist, 40-41; assoc. planning ed, Nat. Resources Planning Bd, 42-43; asst. prof, Tulane, 46-47; ASSOC. PROF. POLIT. SCI, ROOSEVELT, 47- Consult, Constitutional Rev. Proj, Ia. U.S.A., 43-46, Lt. Am. Polit. Sci. Asn; Int. Polit. Sci. Asn. Far eastern governments and political theory; state supervision of local government; MacArthur and the Filipinos. Address: Dept. of Political Science, Roosevelt University, Chicago, Ill. 60605.

PONTNEY, DR. JACK A(RTHUR), b. Ann Arbor, Mich, May 8, 31; m. 61. ECONOMICS. B.A. Redlands, 53; fel. & M.A. Northwestern, 56, Ph.D. (econ), 63. Instr. ECON, Southern California, 57-61; asst. prof, CALIF. STATE COL. FULLERTON, 61-64, ASSOC. PROF, 64- Econ. Asn; Econ. Hist. Asn. Application of economic analysis to business problems. Publ: Co-auth, Introduction to modern demand theory, Random, 11/67. Address: Dept. of Economics, California State College at Fullerton, 800 N. State College Blvd, Fullerton, Calif. 92631.

PONTURO, JOHN, b. Pleasantville, N.Y., June 5, 21; m. 58; c. 1. POLITICAL SCIENCE. M.A. Yale, 50. Instr. polit. sci, Trinity Col. (Conn), 50-51; ops. analyst POLITICO-MIL. AFFAIRS, ops. res. off, Hopkins, 51-55; RES. ANALYST, INST. DEFENSE ANAL, 56- U.S.A.A.F., 42-45, 2nd Lt. Comparative government; political theory; politico-military affairs; international relations. Publ: The deterrence of limited aggression, winter 63 & co-auth, Stable deterrence proposals, winter 64, Orbis. Address: Institute for Defense Analyses, 400 Army-Navy Dr, Arlington, Va. 22202.

POOL, DR. D(AVID) IAN, b. Auckland, N.Z., Nov. 22, 36; m. 62; c. 1. DEMOGRAPHY. B.A. New Zealand, 58, M.A., 60; scholar, Australian Nat. Univ, 61-64, Ph.D. (demog), 64. Lectr. geog, Victoria, N.Z., 60-61; res. fel. demog, Ghana, 65-66; asst. prof. sociol, Western Ontario, 66-68; VIS. ASST. PROF, INT. POP. PROG, CORNELL, 68- Summer vis. fel, London Sch. Econ, 66. Consult, Pop. Coun, 65-66. Mem. Cmt. African Studies Can, 66- Pop. Asn. Am; Int. Union Sci. Study Pop. Mortality and fertility of the Maoris of New Zealand; fertility and family planning in Ghana; African demography. Publ: A note on a demographic sample survey for a study of the factors affecting fertility in Ghana, Africa, 7/67; Post-war trends: Maori population of New Zealand, Pop. Studies, 9/67; Ghana: a survey of fertility and attitudes towards family limitation, Studies in Family Planning, 12/67. Address: International Population Program, Cornell University, Ithaca, N.Y. 14850.

POOL, PROF. ITHIEL de SOLA, b. New York, N.Y., Oct. 26, 17; m. 38, 56; c. 3. POLITICAL SCIENCE. A.B. Chicago, 38, A.M. 39, Ph.D. 52. Asst. prof, Hobart & William Smith Colls, 42-48, assoc. prof, 48-49, chmn. div. soc. studies, 44-49; asst. dir. res. int. studies prog, Hoover Inst, Stanford, 49-50, acting dir, 50-53; assoc. prof. POLIT. SCI, MASS. INST. TECH, 53-59, PROF, 59-, CHMN. DEPT, 66-, DIR. RES. PROG. INT. COMMUN, 53- Fel, Center Adv. Study Behav. Sci, 57-58. Consult, Rand Corp, 51-; Simulations Corp, 59-; Defense Sci. Bd, 68- Polit. Sci. Asn; Sociol. Asn; Am. Pub. Opinion Res; fel. Am. Acad. Arts & Sci. Political opinion and propaganda. Publ: Co-auth, American business and public policy, Atherton, 63, Candidates, issues and strategies: a computer simulation of the 1980 Presidential election, Mass. Inst. Tech. Press, 64 & Contemporary political science: toward empirical theory, McGraw, 67. Address: Center for International Studies, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

POOLE, PROF. CHARLES P(INCKNEY), b. Lynn, Ala, Jan. 20, 93; m. 36; c. 3. PSYCHOLOGY. A.B. & Litt.B. Lipscomb Col, 18; fel, Clark, 19-20, M.A., 20; A.M. Harvard, 25; Ph.D. (ed, psychol), Washington (Seattle), 48. Prof. natural sci, Lipscomb Col, 25-28; psychol, Murray State Col, 28-36; psychol. & ed, Whitworth Col, 39-43; prof. psychol. & bus. mgr, Boise Col,

42-43; prof. psychol. & head dept. psychol. & ed, Alaska, 43-46; assoc. prof. PSYCHOL. & ED, CENTRAL MICHIGAN, 47-52, PROF. & CONSULT. PSYCHOLOGIST, 52- Lectr, sch. grad. studies, Michigan, 48- Private practice, 47- AAAS; Psychol. Asn; fel. Philos. Ed. Soc; fel. Asn. Ment. Deficiency; World Fedn. Ment. Health. Cerebral organology; comparative study of intelligence quotients of Eskimo and American children; carbon dioxide narcosis therapy. Publ: Theories of evolution; Children in the land of the midnight sun; Two centuries of education in Alaska. Address: 901 Watson Rd, Mt. Pleasant, Mich. 48858.

POOLE, PROF. FINIS WINSTON, b. Athens, Tex, Feb. 8, 21; m. 53; c. 1. PSYCHOLOGY. A.B. New Mexico Highlands, 48, M.A., 49; Texas, 51; Peabody Col, 53. Instr. psychol, Ala. Col, 49-51, asst. prof, 51-53; psychologist, State Dept. Ed, Tenn, 53-54; instr. PSYCHOL, MIDDLE TENN. STATE, 54-57, asst. prof, 57-64, ASSOC. PROF, 63- U.S.N.R., 42-45. AAAS; Psychol. Asn. Mental deficiency projective techniques; abnormal psychology; child psychology and guidance; special education; counseling and guidance. Address: Dept. of Psychology, Middle Tennessee State University, Murfreesboro, Tenn. 37130.

POOLE, PROF. KENYON E(DWARDS), b. Rockland, Mass, Feb. 23, 09. ECONOMICS. A.B. Harvard, 29, A.M., 36, Ph.D., 38; Munich, 31-32; A.M., Fletcher Sch. Law, 34. Instr. econ. & tutor div. hist, govt. & econ, Harvard, 36-39; from asst. prof. to assoc. prof. ECON, Brown, 39-48; PROF, NORTH-WESTERN, 48- Ed, Fiscal Policies and the Am. Econ. Chief Cent. European Unit, Bd. Econ. Warfare, 43. U.S.N.R., 44-45, Lt. Econ. Asn. Fiscal and monetary policy; public finance; economic theory. Publ: Public finance and economic welfare; German financial policies, 1932-1939. Address: Dept. of Economics, Northwestern University, Evanston, Ill. 60201.

POOLE, LYNN D, b. Eagle Grove, Iowa, Aug. 11, 10; m. 41. PUBLIC RELATIONS. B.A. Western Reserve, 36, M.A., 37; Rockefeller traveling fel, 38. Dir. ed, Walters Art Gallery, Baltimore, Md, 28-42; dir. pub. rels, Hopkins, 46-68; RES. & WRITING, 68- Ed. TV consult. U.S.A.A.F., 42-46. Visualization of scientific subjects. Publ: Co-auth, The magnificent traitor, 68, Men who dig up history, 68 & 1001 questions answered about archaeology, 69, Dodd. Address: 3405 Greenway, Baltimore, Md. 21218.

POOLE, DEAN RICHARD W(ILLIAM), b. Oklahoma City, Okla, Dec. 4, 27; m. 50; c. 3. ECONOMICS, STATISTICS. B.S. Oklahoma, 51, M.B.A., 52; Ph.D.(econ), Okla. State, 60. Res. analyst, Okla. Gas & Elec. Co, 52-53; asst. mgr. res. div, Chamber of Commerce, Okla. City, 54-56, mgr. sci. & mgf. develop. dept, 57; mgr, Off. James E. Webb, Wash, D.C. 57-58; instr. econ, OKLA. STATE, 60, asst. prof, 60-61, assoc. prof, 62-65, PROF. ECON. & DEAN COL. BUS, 65- Asst. to pres, Frontiers of Sci. Found. of Okla, Inc, 56-57; consult. to adminstr, NASA, Wash, D.C. 61-; consult, Midwest Res. Inst, 62-; Tech. Use Studies Center, 65-; adv, Nat. Gov. Conf, 65; submt. govt. res, U.S. Senate, 66-; chmn-elect, Mid-Continent Res. & Develop. Coun, 67-68. U.S.A., 46-48, Capt. Econ. Asn. Regional and manpower economics; economic theory. Publ: Co-auth, The Oklahoma economy, Okla. State Univ, 63 & County building block data for regional analysis: Oklahoma, Res. Found, 65; auth, Implications of labor characteristics and commuting patterns for regional analysis, Land Econ, 2/64. Address: College of Business, Oklahoma State University, Stillwater, Okla. 74074.

POOLE, DR. WILLIAM, b. Wilmington, Del, June 19, 37; m. 60; c. 2. ECONOMICS. A.B. Swarthmore Col, 59; M.B.A., Chicago, 63, Ph.D., 66. ASST. PROF. POLIT. ECON, HOPKINS, 63- Soc. Sci. Res. Coun. faculty res. grant, 66-67. Staff economist, bd. gov, Fed. Reserve Syst, summer, 64. Econ. Asn; Economet. Soc. Monetary theory and policy; international finance; macroeconomics. Publ: Speculative prices as random walks: an analysis of ten time series of flexible exchange rates, South. Econ. J, 4/67; The stability of the Canadian flexible exchange rate, 1950-1962, Can. J. Econ. & Polit. Sci, 5/67. Address: Dept. of Political Economy, Johns Hopkins University, Baltimore. Md. 21218.

POORKAJ, DR. HOUSHANG, b. Kazvin, Iran, July 22, 28; m. 54; c. 2. SOCIOLOGY. A.B. Southern California, 59, M.A., 62, Ph.D.(sociol), 67. Res. asst. criminol, youth studies center, SOUTHERN CALIFORNIA, 60-62, res. assoc, 62-64, lectr, sociol, 63-66, RES. ASSOC. GERONT. ROSSMOOR-CORTESE INST. STUDY RETIREMENT & AGING, 65-; ASST. PROF. SOCIOLOGY, CALIF. STATE COL. FULLERTON, 65- Criminology; gerontology; medical sociology. Publ: Co-auth, California police training programs 61 & The role of the institutional teacher, Univ. Southern California Monogr, 64; co-auth, Training for teachers of institutionalized delinquents, Welfare Reporter, 64. Address: Dept. of Sociology, California State College, Fullerton, Calif. 92631.

POPE, DR. BENJAMIN, b. Winnipeg, Man, Feb. 9, 14; m. 48; c. 2. CLINICAL PSYCHOLOGY. Ph.D.(ed. psychol), California, 50. Asst. med. psychol, med. sch, Washington (St. Louis), 50-51; chief psychologist, Spring Grove State Hosp, Catonsville, Md, 51-53; instr. MED. PSYCHOL, PSYCHIAT. INST, MARYLAND, 53-55, asst. prof, 55-58, assoc. prof, 58-66, PROF, 66-; DIR. PSYCHOL. SERV, 57- Consult, psychol. dept, Spring Grove State Hosp, 66- Psychol. Asn. Content analysis and experimental study of initial psychiatric interview; verbal interaction in the initial interview. Publ: Psychol. diagnosis in clinical practice, Oxford Univ. Press, 67; Interviewer specificity and topical focus in relation to interviewee productivity, J. Verbal Learning & Verbal Behav, 4/65; Interviewer-interviewee relationship and verbal behavior in the initial interview, Psychother, 3/66. Address: Psychiatric Institute, University of Maryland School of Medicine, Baltimore, Md. 21201.

POPE, DR. CLYDE R(ILEY), b. Ulysses, Kans, Nov. 18, 34; m. 56; c. 3. SOCIOLOGY. B.A. Anderson Col, 57; M.A., Chicago, 60; Ph.D.(sociol), Oregon, 63. Res. assoc, Community Coun, Ore, 61-63, staff sociologist & res. consult, 63-65; ASST. PROF. SOCIOLOGY, VICTORIA (B.C.), 65- Consult. med. care res. unit, Kaiser Found. Hosps, Ore. Region, 65-66, sr. investr, 66- Sociol. Asn. Sociology of medicine; community organization; social stratification. Address: Dept. of Sociology, University of Victoria, Victoria, B.C., Can.

POPE, DR. HENRY L(OUIS), JR, b. Athens, Ga, July 28, 25; m. 46; c. 1. PSYCHOLOGY. B.A., Georgia, 48; Ph.D.(psychol), Western Reserve, 52.

Clin. psychologist, Vet. Admin, 51-53; sr. assoc, Bruce Payne & Assocs, 53-55; dir. mkt. Malden Mills, 55-59; chief mkt. res, Ling-Temco-Vought, Inc, 59-61; chief develop. planning, Nortronics Div, Northrop Corp., 61-62; private practice, Tex, 62-64; DIR. PSYCHOL. DEPT, ARIZ. STATE HOSP, 64- Instr, Med. Col. Ga, 51-53; lectr, Arizona State, 66- Consult, 51-53; Gompers Rehab. Center, Phoenix, 66- U.S.A.A.F., 43-46. Psychol. Asn; Acad. Psychother. Training; therapeutic communities; psychotherapy; diagnostic evaluation. Publ: Co-auth, Negative transference, its manifestations, development and management, Am. J. Psychother; auth, Prelude to discharge: self-medication, Hosps. & Community Psychiat, 1/67. Address: Arizona State Hospital, 2500 E. Van Buren, Phoenix, Ariz. 85008.

POPEJOY, PRES. T(HOMAS) L(AFAYETTE), b. Raton, N.Mex, Dec. 2, 02; m. 21; c. 2. ECONOMICS. A.B. New Mexico, 25, A.M., 29; summers, Illinois, 25-26, California, 34-35; hon. LL.D., Arizona, 54. Instr. econ, NEW MEXICO, 25-29, asst. prof, 29-33, assoc. prof, 33-38, exec. asst. to pres, 36-38, comptroller, 38-48, PRES, 48-, acting registrar, 41-44, chmn. bd. deans, 44-45. State dir, Nat. Youth Admin, N.Mex, 35-39, dep. adminstr, D.C. 39-40; regional consumer rel. rep, Off. Price Admin, Colo, 42. Banking finance; education administration. Address: University of New Mexico, Albuquerque, N.Mex. 87106.

POPENOE, DR. DAVID, b. Los Angeles, Calif, Oct. 1, 32; m. 59; c. 2. SOCIOLOGY, URBAN PLANNING. A.B. Antioch Col, 54; M.C.P., Pennsylvania, 58, Ph.D.(city planning), 63. Asst. dir. res, URBAN STUDIES CENTER, RUTGERS, 61-64, DIR. ACAD. AFFAIRS, 64-, ASSOC. PROF. SOCIOLOGY & CITY PLANNING, LIVINGSTON COL, 67- Vis. prof, N.Y. Univ, 63, 67; vis. lectr, Pennsylvania, 64-65. U.S.A., 54-56. Sociol. Asn; Inst. Planners. Sociocultural theory, trends and public policy; community studies and social planning; urban sociology. Publ: Co-ed, Urban studies, Am. Behav. Scientist, 63; auth, On the meaning of urban in urban studies, Urban Affairs Quart, 66; Community development and community planning, J. Am. Inst. Planners, 67. Address: 150 Loomis Court, Princeton, N.J. 08540.

POPENOE, DR. HERBERT, b. Topeka, Kans, Mar. 9, 99; m. 22; c. 2. PSYCHOLOGY. A.B. Stanford, 22, Ph.D.(ed), 31; M.A. Southern California, 26. Consult. psychologist, N.Y., 27-30; dir. res, Menlo Sch. & Jr. Col, Calif, 30-36; consult. psychologist, 36-38; supvr. admin. serv. br, Los Angeles City Schs, 38-64; EXEC. SECY, LOS ANGELES ASN, SECONDARY SCH. ADMINSTR, 64- U.S.A., 18. Measurement of public attitudes; psychometry and statistical methods; psychological and educational test construction. Address: 640 Hillside Terr, Pasadena, Calif. 91105.

POPENOE, DR. PAUL, Soc. Biol, see 11th ed, Phys. & Biol. Vols.

POPHAM, PROF. LEWIS CHARLES, III, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

POPKIN, DR. SAMUEL LEWIS, b. Superior, Wis, June 9, 42. POLITICAL SCIENCE. B.S. Mass. Inst. Tech, 63, Woodrow Wilson fel, 64-65, Ph.D.(polit. sci), 68. Proj. dir. urban anal. & Vietnam studies, Simulatics Corp, 65-67; lectr. polit. sci, Yale, 67-68; ASST. PROF. GOVT, HARVARD, 68- Consult, Rand Corp. & Simulatics Corp, 68- Polit. Sci. Asn. Public opinion; social change; elections; simulation and models; revolutionary warfare; Vietnam. Publ: Co-auth, Candidates, issues and strategies, Mass. Inst. Tech, 64; auth, Model of a communications system, Am. Behav. Scientist, 65. Address: Dept. of Government, Harvard University, Cambridge, Mass. 02138.

POPPLIN, DR. DENNIS E(WARD), b. Ventura, Calif, Sept. 4, 38; m. 65. SOCIOLOGY. B.S. & M.A. Utah State, 62; Ph.D.(sociol), Kentucky, 65. ASST. PROF. SOCIOLOGY, Western Kentucky, 65-67; TEX. TECH. COL, 67- Sociol. Asn; Pop. Asn. Am. Sociology of demographic behavior; community theory and research. Address: Dept. of Sociology & Anthropology, Texas Technological College, Lubbock, Tex. 79412.

POPPE, DEAN JANUS, b. Vlissingen, Netherlands, May 31, 16; nat; m. 49. ECONOMICS, STATISTICS. B.S.F.S., Georgetown, 45, M.A., 47, Ph.D.(polit. sci), 48. Assoc. prof. econ, Georgetown, 50-52, econ. & statist, 54-58, acting head dept, 50-52; assoc. prof, Bucknell, 52-54; guest lectr, Indust. Col. Armed Forces, 54-56; asst. dir. & comptroller Far East Div, Univ. Maryland, 58-60; prof. econ, Indust. Col. Armed Forces, 60-66; ACAD. DEAN, U.S. MERCHANT MARINE ACAD, 66- Ford Found. summer fel, Mass. Inst. Tech, 67. Award, Freedoms Found, 65; exceptional civilian serv. award, U.S. Dept. Army, 67. Royal Netherlands Navy, Lt. AAAS; Econ. Asn; Statist. Asn; Finance Asn. Industrial and business economics and administration; management sciences; gaming and simulation. Address: U.S. Merchant Marine Academy, Kings Point, N.Y. 11024.

POPPELSTONE, PROF. JOHN A(RMSTRONG), b. Louisville, Ky, Oct. 30, 28; m. 53; c. 1. CLINICAL PSYCHOLOGY. B.A., Michigan, 49; M.A., Wayne State, 53; Ph.D., Washington (St. Louis), 58. Asst. prof. psychol, Western Michigan, 58-61; AKRON, 61-63, assoc. prof, 63-67, PROF. PSYCHOL. & HEAD DEPT, 67-; DIR. ARCH. HIST. OF AM. PSYCHOL, 65- Vis. scientist, Nat. Sci. Found. & Am. Psychol. Asn, 66-67. Psychol. consult, speech & hearing clin, Akron, 65- Mem, Oral Hist. Conf. AAAS; fel. Psychol. Asn; Soc. Proj. Tech; Hist. Sci. Soc; Soc. Am. Archivists. Mechanisms for normal personality functioning; history and systems of psychology. Publ: The horseless cowboys, Trans-action, 5-6/66; co-auth, Exoskeletal defense and the military elite, Psychol. Record, 16: 479-486; The archives of the history of American psychology, J. Hist. Behav. Sci, 3: 60-63. Address: Dept. of Psychology, University of Akron, 302 E. Buchtel Ave, Akron, Ohio 44304.

PORTE, DR. MICHAEL S(HELDON), Commun, Drama, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

PORTENIER, DR. LILLIAN G, b. Guide Rock, Nebr., PSYCHOLOGY. A.B., Nebraska, 22, fel, 22-25, A.M., 24; fel, Columbia, 32-33, Ph.D.(psychol), 33. Asst. prof. math. & psychol, WYOMING, 25-29, assoc. prof. psychol, 30-39, prof, 39-61, acting head dept. psychol. & philos. & acting dir. personnel, 43-61, EMER. PROF. PSYCHOL, 61-; RES. & WRITING, 46- Wyo. del. bd. dirs, Nat. Asn. Ment. Health, 62-65; historian, Psi Chi, 62-68. Fel. Psychol. Asn; fel. Int. Coun. Psychol.(v.pres, 47-49, pres, 50-52); Nat. Asn. Ment.

Health. History of the Wyoming Psychological Association and the Wyoming division of the National Association for Mental Health. Publ: 35 Years of Psi Chi, Psi Chi, 64; History of the International Council of Psychologists, Int. Coun. Psychol, 67; Abnormalities of intellect, In: Modern Abnormal Psychology. Address: 203 S. Ninth St, Laramie, Wyo. 82070.

PORTER, DR. AGNES LOUISE, Speech Psychol, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

PORTER, DR. ALBERT O(GDEN), Govt, see 10th ed, Soc. & Behav. Vols. Latest known address: 119 Phillips Way, Palm Harbor, Fla. 33563.

PORTER, PROF. ANDREW CALVDN, b. Huntingdon, Pa, July 10, 42; m. 67. EDUCATIONAL PSYCHOLOGY, STATISTICS. B.S. Indiana State, 63; M.S. Wisconsin, 65, Ph.D.(ed. psychol), 67. ASST. PROF. ED. PSYCHOL, Indiana State, summer, 67; MICH. STATE, 67- Consult, Fla. Instructional Seminar Eval, 67. AAAS; Ed. Res. Asn; Psychomet. Soc. Test bias for minority groups and the effect of reliability on various traditional statistical models. Publ: A chi-square approach to discrimination among occupations using an interest inventory, Wis. Res. & Develop. Center, 67; co-auth, Predicting college grades of Negroes versus whites, J. Ed. Measurement, winter 67. Address: College of Education, Michigan State University, East Lansing, Mich. 48823.

PORTER, PROF. ARTHUR R. JR, b. Poland, Ohio, Nov. 14, 18; m. 45; c. 4. ECONOMICS. B.S. Washington & Lee, 40; A.M. Pennsylvania, 48, Ph.D. 55. Instr. econ. & statist, Pennsylvania, 40-42, ECON, 45-48; PROF, HANOVER COL, 48-, acting dean, 61-62. Wage rate analyst to sect. chief wage stabilization div, Regional War Labor Bd, Pa, 43-45; pub. mem, Wage Stabilization Bd, Ill, 52, arbitrator, 52- Econ. Asn; Indust. Rels. Res. Asn. Labor relations; wage theory; arbitration and mediation. Publ: Job property rights; Are strikes necessary & Compulsory arbitration in Indiana, Labor Law J. Address: Dept. of Economics, Hanover College, Hanover, Ind. 47243.

PORTER, PROF. BLAINE ROBERT M(ILTON), b. Morgan, Utah, Feb. 24, 22; m. 43; c. 4. SOCIOLOGY. B.S. Brigham Young, 47, M.A. 49; Grant Found. fel, Cornell, 51-52, Ph.D.(child develop. & family rels), 52. Instr. sociol, Iowa State Col, 49-51, asst. prof. child develop, 52-55; prof. human develop. & family rels. & chmn. dept, Brigham Young, 55-65; res. scholar & vis. prof, London, 65-66; DEAN COL. FAMILY LIVING, BRIGHAM YOUNG, 66-U.S.A.A.F, 42-45, 1st Lt. Sociol. Asn; Psychol. Asn; Soc. Res. Child Develop; Home Econ. Asn; Nat. Coun. Family Rels.(past pres). Personality development; marriage relationships and adjustments; child growth and behavior. Publ: The Latter-day Saint family, Deseret, 66; American teenagers of the 1960's: our despair or hope?, J. Marriage & Family; Relation-ship between marital adjustment and parental acceptance of children, J. Home Econ. Address: College of Family Living, 1206 SF LC, Brigham Young University, Provo, Utah 84601.

PORTER, PROF. CHARLES W(ILLIAM), b. Springfield, Mass, July 14, 24; m. 48; c. 2. AGRICULTURAL ECONOMICS, MARKETING. B.A. Clark, 47; M.A. Maryland, 49. Asst. prof. mkt, Maryland, 49-55; assoc. prof. AGR. ECON, PA. STATE, 55-59, ASSOC. PROF. & AGR. ECONOMIST, 59- Contrib. ed, Pa. Farmer, 64-66; ed, Pa. Farm Econ, 60- U.S.A., 43-46. Agr. Econ. Asn. Economics of marketing agricultural products. Address: 2 Weaver Bldg, Pennsylvania State University, University Park, Pa. 16802.

PORTER, PROF. DOROTHY, b. Cason, Tex, Oct. 8, 04. SOCIOLOGY. B.A. Tex. State Col. Women, 24; M.A. Texas, 44, fel, 48; fel, Chicago, 45. Teacher, high sch, Tex, 28-45; ASST. PROF. SOCIOL. TEXAS WOMAN'S UNIV, 45- Sociol. Asn; Pop. Asn. Community relations. Address: Box 3657, Texas Woman's University, Denton, Tex. 76204.

PORTER, DR. DOUGLAS, b. St. Louis, Mo, Oct. 19, 26; m. 53; c. 2. EDUCATIONAL PSYCHOLOGY. A.B. Boston, 51; Ed.D. Harvard, 61. Teacher, Browne & Nichols Sch, 51-52; asst. ed. psychol, HARVARD, 55-58, instr, 58-62, asst. prof, 62-65. LECTR. ED. PSYCHOL, GRAD. SCH. ED, 65-, DIR. OFF. PROGRAMMED INSTR, 65-, res. assoc. & mem. cmt. prog. instr, grad. sch. ed, 61-65. Consult, Harcourt, Brace & World, Inc. & Arthur D. Little, Inc, 61; expert consult, Job Corps, Off. Econ. Opportunity, 64-; consult, Sci. Res. Assocs, 67- U.S.N., 45-47. AAAS; Psychol. Asn; Ed. Res. Asn. Verbal behavior; instructional materials; programmed self-instructional materials; behavioral analysis of skills of reading, mathematics and writing; evaluation of self-instructional programs; development of literacy training programs. Publ: Critical review of the literature on teaching devices, Harvard Ed. Rev; Non-semantic identifiers of a grammatical category, Am. Psychologist; co-auth, Influence of repetition of incorrectly answered items in a teaching-machine program, J. Exp. Anal. Behav. Address: Office of Programmed Instruction, Harvard University, 13 Appian Way, Cambridge, Mass. 02138.

PORTER, DR. E. LOUISE H(OFFEDITZ), b. York, Pa, Aug. 10, 10; m. 37; c. 1. PSYCHOLOGY. A.B. Pa. State, 31, M.S. 32; Ph.D.(psychol), Nebraska, 35. Res. fel, Vineland Training Sch, N.J., 35-36; asst. head mistress, Girls' Latin Sch, Baltimore, Md, 36-37; instr. psychol, Beaver Col, 39; Delaware, 39-41; recreation leader, Southbury Training Sch, Conn, 43-44, cottage life asst, 44-46, psychologist, 46-47, registr, 47-52, res. assoc, 52-56; Rainier Sch, Wash, 56-59; consult. ment. retardation, 59-; PSYCHOL. CONSULT, MESA COL, 62- Fel. Psychol. Asn; Asn. Ment. Deficiency. Mental deficiency and retardation; test patterns; early childhood development. Publ: Meeting requirements of population statistics & co-auth, Procedure for study, care and training of the mentally retarded in a state or other resident school, Am. J. Ment. Deficiency; Factors in the fluctuation of fifteen ambiguous phenomena, Psychol. Record. Address: State Home & Training School, Grand Junction, Colo. 81501.

PORTER, DR. E(LIAS) H(ULL), b. Medford, Ore, Jan. 29, 14; m. 38; c. 2. PSYCHOLOGY. B.A. Oregon, 35, M.A. 36, M.S. 38; Ph.D.(psychol), Ohio State, 41. Merit syst. supvr, merit syst. coun, State Pub. Welfare Cmn, Ore, 41-43; head instructional staff & personal counsr, training prog, Vet. Admin, Univ. Chicago, 46-47, res. assoc. prof. psychol, 47-55; asst. head training

dept, systs. develop. div, Rand Corp, 55-56; sr. human factors scientist, Syst. Develop. Corp, 56-64; SR. SYST. ANALYST, TECHNOMICS, INC, 66- Instr, State Syst. Higher Ed, Ore, 41-43. Consult, State Dept. Soc. Welfare, Calif, 42-43; Vet. Admin, 47-54. Dipl, Am. Bd. Exam. Prfnl. Psychol. U.S.N., 43-46. Psychol. Asn. Nature and course of non-directive therapy; system-training development; man-machine system design. Publ: Introduction to therapeutic counseling; Manpower development; Team functions and training. In: Psychological principles in system development. Address: 1222 17th St, Apt. 3, Santa Monica, Calif. 90404.

PORTER, HORACE G, b. Goodland, Ind, Feb. 6, 13; m. 40; c. 2. AGRICULTURAL ECONOMICS. B.A. Ark. Agr. & Mech. Col, 36; M.S. La. State, 38; Iowa State Col, 38-39. AGR. ECONOMIST, bur. agr. econ, U.S. Dept. Agr, 40-45; Fed. Reserve Bank Richmond, 45-48, 50-57; COTTON DIV, FOR. AGR. SERV, U.S. DEPT. AGR, 57- Mem. faculty, eve. sch, Richmond, 55-57. Asst. econ. cmm, food & agr. div, off. spec. rep. Europe, Econ. Coop. Admin, Paris, 48-50. Am. Agr. Econ. Asn; Int. Asn. Agr. Econ. Competition confronting cotton in foreign markets; role of credit in agricultural development; agricultural progress in developing countries. Publ: A new price policy for cotton; co-auth, Synthetic fibers in relation to American cotton & An agricultural man in your bank. Address: 3146 Valley Lane, Falls Church, Va. 22044.

PORTER, DR. JACK, b. Philadelphia, Pa, Apr. 15, 29; m. 54; c. 1. PSYCHOLOGY. B.S. Temple, 51, M.Ed. 52, George Friedland Found. & Tabas Family Found. grants & Ed.D., 59. Intern, Devereux Schs, Pa, 52-53, staff psychologist, 53; CLIN. PSYCHOLOGIST, 53-; ASSOC. PSYCHOTHER. RESIDENTIAL TREATMENT CENTER, WOODS SCHS, 62-, consult. psycho-therapist, 59-62. Ed. dir, Temple Adath Israel Relig. Sch, 52-59; lectr, pastoral counseling seminar, Devereux Schs, 57-59, consult, relig. therapist, prog, 59-; vis. prof, Yeshiva, 59-61; asst. prof. Moore Col, 60-64; mem. continuing ed. prog. staff, Pa. State, 66-; summer staff, St. Joseph's Col.(Pa) & Temple, 66- Asn. Ment. Deficiency; Psychol. Asn; Acad. Relig. & Ment. Health. Psychotherapy; abnormal, child and adolescent psychology. Address: 2225 Bryn Mawr Ave, Ardmore, Pa. 19003.

PORTER, PROF. JAMES M(ELVILLE), JR, b. Texarkana, Ark, Sept. 23, 10; m. 35; c. 2. PSYCHOLOGY. B.S. Virginia, 31, M.S. 32, Du Pont fel, 32-33; Ph.D.(psychol), Yale, 36. Asst. inst. human rels, Yale, 34-36; instr. PSYCHOL, King Col, 36-37; Carnegie Inst. Tech, 37-39, asst. prof, 39-47; assoc. prof, Rensselaer Polytech, 47-49, PROF, 49-51; TENNESSEE, 51- Consult, 41-; arbitrator, Fed. Mediation & Conciliation Serv, 44; Am. Arbit. Asn, 47. Fel. Psychol. Asn. Industrial psychology. Address: Dept. of Psychology, University of Tennessee, Knoxville, Tenn. 37916.

PORTER, DR. J(AMES) RICHARD, b. Cambridge Springs, Pa, Mar. 28, 13; m. 39; c. 3. PSYCHOLOGY. B.S. Allegheny Col, 34; Ed.M. Pittsburgh, 39, Ph.D. 51. Dir. guid, pub. schs, 35-43; chief consult. serv, PSYCHOL. SERV. PITTSBURGH, 46-60, ASSOC. DIR. & CHIEF, INDUST. SERV, 60- Lectr, Pittsburgh, 50-56. U.S.N.R., 43-46, Comdr. AAAS; Psychol. Asn. Executive selection and appraisal; vocational counseling; attitude studies; organizational planning. Publ: Vocational plans of high school boys; Man-job matching in a small business. Address: Route 1, Cole Rd, Wexford, Pa. 15090.

PORTER, PROF. JOHN, b. Vancouver, B.C, Nov. 12, 21; m. 51; c. 2. SOCIOLOGY. B.Sc. London Sch. Econ, 49, Can. Coun. sr. fel, London, 61-62, D.Sc.(econ, sociol), 66. Lectr. SOCIOL, Carleton (Can), 49-55, asst. prof, 55-58, asst. prof, 58-63, PROF, 63-68; TORONTO, 68- Can. Dept. Labour fel, Int. Inst. Labor Studies, Geneva, 66-67. Mem. exec. cmt. Soc. Sci. Res. Coun. Can, 66- Can. Army, 41-46, Capt. Am. Sociol. Asn; Can. Sociol. & Anthrop. Asn. Social stratification; occupations; Canadian society. Publ: Co-auth, Canadian society: sociological perspectives, Macmillan, 62-64; auth, The vertical mosaic, Univ. Toronto, 65; Canadian social structure: a statistical profile, McClelland & Stewart, 66. Address: Dept. of Sociology, University of Toronto, Toronto 5, Ont, Can.

PORTER, DEAN JOHN H(ARVEY), b. Peru, Ind, Mar. 2, 20; m. 48; c. 2. BUSINESS MANAGEMENT. A.B. Manchester Col, 41; M.C.S. Indiana, 47, D.B.A. 56. From instr. to PROF. BUS. ADMIN. & ASST. DEAN SCH. BUS, INDIANA, 47- U.S.A., 42-46. Econ. Asn. Business administration. Publ: Co-auth, The systems concept and quantitative analysis, Irwin, 66. Address: 723 Ravencrest, Bloomington, Ind. 47401.

PORTER, DR. JOHN J, b. Chicago, Ill, May 16, 33; m. 67. PSYCHOLOGY. B.A. Wisconsin, 58; Ph.D.(psychol), Iowa, 61. Asst. prof. PSYCHOL, Washburn, 61-62; WISCONSIN, MILWAUKEE, 62-65, ASSOC. PROF, 65- Statist. consult, Menninger Found, 61-62; Kans. Hwy. Patrol, 61-62. U.S.N., 54-56. AAAS. Human and animal learning, especially classical conditioning and instrumental learning. Publ: Stimulus generalization as a function of UCS intensity, 62 & co-auth, Effects of number and percentage of rewarded trials on acquisition and extinction, 65, J. Exp. Psychol; auth, Effects of differential reward magnitudes on a simple brightness discrimination, Psychol. Reports, 64. Address: Dept. of Psychology, University of Wisconsin, Milwaukee, Wis. 53201.

PORTER, PROF. KIRK H(AROLD), Polit. Sci, see 10th ed, Soc. & Behav. Vols.

PORTER, DR. LAURELLEN, b. Louisville, Ill, Oct. 5, 33. POLITICAL SCIENCE. A.B. Illinois, 54, A.M. 58, Charles Merriam fel, 65-66, Ph.D.(polit. sci), 68. ASST. PROF. POLIT. SCI, William Woods Col, 66-67; INDIANA STATE, 67- Polit. Sci. Asn. Legislative process; political socialization; economic policy; political behavior. Address: Dept. of Political Science, Indiana State University, Terre Haute, Ind. 47803.

PORTER, DR. LOUIS G(EOGE), b. Kalamazoo, Mich, Oct. 1, 22; m. 49; c. 2. EXPERIMENTAL & ENGINEERING PSYCHOLOGY. B.A. Michigan, 49; M.A., Syracuse, 52, fel, 51-52, Ph.D.(exp. psychol), 58. Human engr, Gen. Elec. Co, 58-60; consult, 60-61; human factors engr, Appl. Psychol. Corp, 61-63; sr. scientist, George Washington, 63-64; sub-contractor, Tilo Co, Inc, 65-68; ENG. PSYCHOLOGIST, A. EPSTEIN & SONS, INC, 68- U.S.A., 43-46, Sgt.

Psychol. Asn; Human Factors Soc. Systems engineering of military, space and communication systems; applied visual research; driver behavior; photo interpretation. Address: 6060 N. 25th St, Arlington, Va. 22207.

PORTER, DR. LYMAN W(ILLIAM), b. Lafayette, Ind, Mar. 19, 30; m. 58; c. 2. INDUSTRIAL PSYCHOLOGY. B.S. Northwestern, 52; Ph.D.(psychol), Yale, 56. Instr. psychol, CALIFORNIA, Berkeley, 56-68, asst. prof, 58-63, assoc. prof, 63-67. PROF. ADMIN. & PSYCHOL, IRVINE, 67- Ford Found. faculty res. fel, 59-60. Psychol. Asn; Acad. Mgt; Indust.Rels. Res. Asn. Industrial social psychology; organization theory; comparative studies of organizations; management. Publ: Co-auth, Managerial thinking: an international study, Wiley, 66 & Managerial attitudes and performance, Irwin-Dorsey, 68. Address: Graduate School of Administration, University of California, Irvine, Calif. 92664.

PORTER, DR. PAUL B(ERGREN), Psychol, see 11th ed, Phys. & Biol. Vols.

PORTER, PROF. PHILIP W(AYLAND), b. Hanover, N.H, July 9, 28; m. 50; c. 3. GEOGRAPHY. A.B. Middlebury Col, 50; M.A., Syracuse, 55; Ph.D. (geog), London, 57. Instr. GEOG, MINNESOTA, MINNEAPOLIS, 57-58, asst. prof, 58-64, assoc. prof, 64-66, PROF. 66- U.S.A. 52-54. Asn. Am. Geog. Am. Geog. Soc; African Studies Asn; Soc. Photogram; Cong. Surv. & Mapping. Population geography, land use, culture history and cartography of Africa; statistical methods applicable to cartography; history of cartography; air photo interpretation. Publ: Putting the isopleth in its place, Proc. Minn. Acad. Sci, 25-26; 372-384, 57-58; co-auth, Gravity and potential models in economic geography, Ann. Am. Geog, 12/60; auth, Environmental potentials and economic opportunities: a background for cultural adaptation, Am. Anthropologist, 4/65. Address: Dept. of Geography, University of Minnesota, Minneapolis, Minn. 55455.

PORTER, DR. RUTHERFORD B(URCHARD), b. Crawford Co, Pa, June 17, 09; m. 34; c. 2. PSYCHOLOGY. B.S., Allegheny Col, 30; M.Ed., Pittsburgh, 34; Ed.D.(psychol, ed), Pa. State, 42. Guid. counsr. & teacher, high sch, Pa, 34-39; supvr. spec. ed. & county psychologist, Blair & Huntingdon Counties, Pa, 39-44; dir. counseling & guid. & prof. psychol, Fairmont State Col, 46-47; dir. personnel & prof. psychol, North. Mich. Col. Ed, 47-48; CHMN. SPEC. ED. DEPT. INDIANA STATE, 48- Mem. Coun. Except. Children. U.S.N.R., 44-46, Lt. Psychol. Asn; Ed. Res. Asn; Asn. Ment. Deficiency; Orthopsychiat. Asn. Child personality testing. Publ: Exceptional children in rural schools & Clinical service extensions for rural area exceptional children, J. Except. Children. Address: Dept. of Special Education, Indiana State University, Terre Haute, Ind. 47809.

PORTER, DEAN VONNE F, b. Bristow, Okla, Oct. 1, 25; m. 51; c. 3. EXPERIMENTAL PSYCHOLOGY, BEHAVIORAL OPTICS. B.A., Missouri, 48; M.A., Kansas City, 51; Ph.D.(psychol), Vanderbilt, 53. Res. assoc. PSYCHOL, human res. unit no. 1, Human Resources Res. Off, Ky, 53-54; asst. prof, Kent State, 54-57; assoc. prof, Memphis State, 57-63; SOUTH. COL. OPTOM, 63-65, PROF. & DEAN, 65- U.S.M.C., 42-45. Psychol. Asn; Acad. Optom; Optom. Asn. Operant conditioning and reinforcement schedules; experimental design; binocular vision; visual discrimination. Address: Southern College of Optometry, 1246 Union, Memphis, Tenn. 38103.

PORTER, DR. WARD F(LOWERS), JR, b. Malden, Mass, June 11, 17; m. 42; c. 3. RURAL SOCIOLOGY. A.B., Dartmouth Col, 39; A.M. & Ph.D., Harvard, 51. With civilian progs. br, food distrib. admin, U.S. Dept. Agr, 42-43; assoc. prof. agr. econ. & rural sociol, West Virginia, 47-55; chief, prog. res. br, div. exten. res. & training, fed. exten. serv, U.S. Dept. Agr, 55-66, dep. dir. div. res. Welfare Admin, DEPT. HEALTH, ED. & WELFARE, 66-67, ASST. CHIEF DIV. INTRAMURAL RES. OFF. RES. & DEMONSTRATIONS, SOC. & REHAB. SERV, 67- Instr. U.S. Dept. Agr. Grad. Sch, Univ. Wisconsin, Colo. State & Mich. State Univs, 47-65. U.S.A.A.F. 43-46, Maj. Psychol. Asn; Rural Sociol. Soc; Adult Ed. Asn. Educational evaluation; social organization; adult education. Publ: Employment and underemployment of rural people in Upper Monongahela Valley, West Virginia, 59 & Food buying: knowledge, concerns, practices, 61, W.Va. Univ. Agr. Exp. Sta; co-auth, Relation of knowledge to adoption of recommended practices. Address: 2313 N. Jackson St, Arlington, Va. 22201.

PORTER, PROF. WILLIAM HENRY, JR, b. Harrison, Ark, Oct. 3, 19; m. 51; c. 1. SOCIOLOGY, ANTHROPOLOGY. B.A., La. State, 48, M.A., 55, Ph.D., 58; B.D. Yale, 51. Assoc. prof. SOCIOL, Columbia Col.(S.C), 56-60; PROF, MT. UNION COL, 60- U.S.A.A.F., 41-46, Capt. Sociol. Asn; Rural Sociol. Soc. Sociology of religion; social change; social change in the funeral business. Publ: Minister and the mortician: sources of role conflict, Proc. Southwest. Sociol. Soc. Address: Dept. of Sociology, Mt. Union College, Alliance, Ohio 44601.

PORTERFIELD, PROF. AUSTIN L(ARIMORE), Sociol, see 10th ed, Soc. & Behav. Vols.

PORTERFIELD, PROF. RICHARD MAURICE, Eng. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

PORTNOY, DR. MAURICE, b. New York, N.Y., Jan. 29, 21. PSYCHOLOGY. Ordination Rabbis, Yeshiva, 48; B.S., N.Y. Univ, 51, M.A., 52, Ph.D. 61; cert, Postgrad. Center Ment. Health, 67. Asst. psychol, N.Y. Univ, 51-52, instr, 54-55; clin. psychologist, Childrens Village, 52-53; BROOKLYN STATE HOSP, 53-54, CHIEF PSYCHOLOGIST, 55-; LECTR. PSYCHOTHER, POSTGRAD. CENTER MENT. HEALTH, 65- AAAS; Psychol. Asn. Auto-kinetic technique; verbal reinforcement; effect of reinforcement upon projective material; experimental manipulation of meaning; conditioning the self-concept. Publ: Effect of shift of sensory modality on serial reaction time, Am. J. Psychol; co-auth, Perception as a function of association value with response bias controlled, J. Exp. Psychol, 64. Address: 2650 Ocean Pkwy, Brooklyn, N.Y. 11235.

PORTZLINE, DR. DONNELL BYERLY, b. Sunbury, Pa, Nov. 23, 38. SOCIAL SCIENCE. B.S. Ball State, 59, M.A., 61, Ed.D.(soc. sci), 65. Teacher, high sch, Ind, 59-61; teaching fel. soc. sci, Ball State, 61-64; prog. specialist,

W.Va. Dept. Ed, 64-66; assoc. prof. soc. sci, W.VA. INST. TECH, 66-68, DIR. DIV. TEACHER ED, 68- Participant grant, inst. communism & constitutional democracy, Vanderbilt, 66; Claude Worthington Benedum Found. proj. grant, 67-68. Robert LaFollette Award, 67. Hist. Asn; Nat. Ed. Asn. Anti-democratic thought; education for disadvantaged youth. Publ: Resource material: disadvantaged youth, W.Va. State Dept. Ed, 65; A critique of NDEA, title XI, 66 & Local planning for revision of the social studies, 67, Social Ed. Address: Division of Teacher Education, West Virginia Institute of Technology, Montgomery, W.Va. 25136.

POSCHER, DR. B(RUNO) PAUL H(ENRY), b. Brooklyn, N.Y., June 6, 29. PHYSIOLOGICAL PSYCHOLOGY. B.S. Roosevelt, 51; Ph.D.(psychol), Illinois, 56. Asst. res. prof. psychol, bur. ed. res, Illinois, 55-56, Nat. Inst. Ment. Health res. fel, 56-57; asst. prof, Wayne State, 57-59; res. psychologist, PARKE, DAVIS & CO, 59-67, SR. RES. PSYCHOLOGIST, 67- Psychol. Asn. Psychopharmacology; Learning; motivation; the nervous system. Address: Parke, Davis & Co, Research Division, Ann Arbor, Mich. 48106.

POSER, DR. E(RNEST) G(EORGE), b. Vienna, Austria, Mar. 2, 21; nat. Can; m. 53; c. 3. PSYCHOLOGY. B.A., Queen's (Ont), 46, M.A., 49; Ph.D.(psychol), London, 52. Asst. prof. psychol, New Brunswick, 46-48; res. fel, Queen's (Ont), 48-49; sr. psychologist, dept. health, New Brunswick, 52-54; asst. prof. Psychol, McGill, 54-57, ASSOC. PROF, 57-63, PSYCHIAT, 63- Dir. psychol. dept, Douglas Hosp, Montreal, 56-66, dir. behav. ther. unit, 66-, consult, 67-; hon. fel, Middlesex Hosp. Med. Sch, 64-65. Am. Psychol. Asn; fel. Soc. Proj. Tech. & Personality Assessment; Can. Psychol. Asn. Objective behavior tests; psychotherapy; behavior modification; human conditioning; antisocial behavior; telemetry. Publ: Co-auth, The classical conditioning of sleep and wakefulness, 3; 4 & auth, On training behaviour therapists, 67, Behav. Res. & Ther; auth, The effect of therapists' training on group therapeutic outcome, J. Consult. Psychol, 30: 4. Address: 5730 Northmount Ave, Montreal 26, Que, Can.

POSEY, DEAN ROLLIN B(ENNETT), b. Mankato, Minn, June 10, 07; m. 31; c. 3. POLITICAL SCIENCE. A.B., Kansas, 27; M.B.A., Harvard, 30; Ph.D., Pennsylvania, 42. Tech. assoc. Inst. Local & State Govt, Pennsylvania, 37-40; dean Univ. Col, Northwestern, 43-48, prof. polit. sci, 48-57, chmn. dept, 48-53, dir. civil affairs training sch, 43-45; v-pres. col. dept, Row, Peterson & Co, Ill. 55-62, ed. col. dept, Harper & Row, N.Y., 62-65; prof. polit. sci, New Col, 65-67; DEAN SCH. PRFN. STUDIES, WISCONSIN, GREEN BAY, 68- Vis. prof, California, 50; Puerto Rico, 54; Hawaii, 55. Soc. Pub. Admin; Polit. Sci. Asn. American government; public and personnel administration. Publ: Civics for young Americans; Personnel administration in the City of Cincinnati; co-auth, Government for Americans. Address: School of Business & Public Administration, University of Wisconsin, P.O. Box 834, Green Bay, Wis. 54305.

POSINSKY, DR. S(OLLIE) H(ENRY), b. New York, N.Y., June 25, 17; m. 53; c. 5. ANTHROPOLOGY. A.B., New Sch. Soc. Res, 49; univ. fel, Columbia, 51-52, Ph.D.(anthrop), 54. Asst. anthropol, Columbia, 52-53; lectr, Queens Col, 55; psychol, Juilliard Sch. Music, 57-58; sociol. & anthrop, Brooklyn Col, 59 & 63-65; dir. res, Inst. Psychoanal. Res, 58-62; asst. prof. psychol, sociol. & anthrop, Staten Island Community Col, 62-63; ANTHROP. & PSYCHOL. RES, 65- U.S.N., 43-45. Fel. AAAS; fel. Anthropol. Asn. Religion and ritual; ethnological theory; personality and cultures; race and culture contact; medical anthropology; mythology. Publ: Yurok shell money and pains: a Freudian interpretation; The death of Maui; Instincts, culture and science. Address: 168-14 127th Ave, Jamaica, N.Y. 11434.

POSAMAN, DR. H(ARRY), b. The Hague, Netherlands, May 31, 21; m. 53; c. 3. SOCIOLOGY. B.S., City Col. New York, 43; Ph.D.(sociol), Columbia, 57. Instr. sociol, Connecticut, 48-51; survey analyst, U.S. Dept. State, 51-53; instr. sociol, Cornell, 53-55; asst. prof, Adelphi Col, 55-59; res. assoc. Community Serv. Soc. New York, 59-64; DIR. SOC. RES, N.Y. STATE DEPT. SOC. SERV, 64- U.S.N., 43-46. Fel. Sociol. Asn. Social organization; poverty and dependency; medical sociology. Address: New York State Dept. of Social Services, 112 State St, Albany, N.Y. 12201.

POSNER, DR. MICHAEL I, b. Cincinnati, Ohio, Sept. 12, 36; m. 59; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S., Washington (Seattle), 57, M.A., 59; Ph.D. (psychol), Michigan, 62. Asst. prof. PSYCHOL, Wisconsin, 62-65; ASSOC. PROF, OREGON, 65- Nat. Sci. Found. sr. fel, Cambridge, 68-69; vis. res. psychologist, human performance center, Michigan, summer, 64. Chem.C., U.S.A., 57-58, 61-62, 1st Lt. AAAS; Psychonomic Soc; Psychol. Asn. Human performance in motor and intellectual skills; application to man-machine systems. Publ: Co-auth, Human performance, Brook-Cole, 67; auth, Memory and thought in human intellectual performance, Brit. J. Psychol, 65; Components of skilled performance, Science, 66. Address: Dept. of Psychology, University of Oregon, Eugene, Ore. 97403.

POSNIAK, EDWARD G(EORGE), b. Moscow, Russia, June 4, 11; nat. m. 38; c. 2. ECONOMICS. Berlin, 30-33; Sorbonne, Paris, 33-35. Res. assoc. criminol, U.S. Dept. Justice, D.C., 37-38; economist, U.S. Housing Authority, 38-43; U.S. Dept. State, 45-50; Int. Monetary Fund, 51-53; consult. economist, 53-60; CHIEF ECONOMIST, FOR. TRADE, U.S.-JAPAN TRADE COUN, 61- LECTR, Stanford, Dartmouth Col. sch. adv. int. studies, Hopkins, Washington (Seattle), Minnesota & Gen. Elec. Mgt. Develop. Inst, 62-66. U.S.A.A.F., 43-45, 2nd Lt. Econ. Asn; Asn. Asian Studies. Foreign economics; foreign trade and economic development. Publ: Co-auth, Comparative fabric production costs in United States and four other countries, United Nations and promotion of the general welfare & United States in world affairs. Address: 5404 39th St. N.W., Washington, D.C. 20015.

POSPISIL, PROF. LEOPOLD J(AROSLAV), b. Olomouc, Czech, Apr. 26, 23; nat; m. 45. ANTHROPOLOGY. J.U.C., Charles Univ, Prague, 47; Palacky Univ, Czech, 47-48; Masaryk Univ, Germany, 48-49; B.A., Willamette, 50; M.A., Oregon, 52; univ. fel, Yale, 52-53, Jr. Sterling fel, 53-54, Ford Found. fel, 54-55, Sr. Sterling fel, 55-56, Ph.D. 56. Private practice, Czech, 47-48; asst. anthropol. dept, Oregon, 50-52; ANTHROP, YALE, 53-54, 55-56, instr, 56-57, asst. prof, 57-60, assoc. prof, 60-65, PROF, 65-, CURATOR & DIR. DIV. ANTHROP, PEABODY MUS, 66-, asst. curator, 57-60, assoc.

curator, 60-66. Consult, N.Eng. Inst. Med. Res, 54-56. Fel. Anthropol. Assn. Anthropology; sociology of law; ethnology of Oceania and Southeast Asia; political structure and social control; law and social control in Tirol, Austria. Publ: Kapauku Papuan economy, Yale Univ. Pub. Anthropol, 63; Kapauku Papuans of West New Guinea, Holt, 63; Kapauku Papuans and their law. Address: Dept. of Anthropology, Yale University, New Haven, Conn. 06520.

POSSONY, DR. STEFAN THOMAS, b. Vienna, Austria, Mar. 15, 13; nat; m. 38; c. 1. POLITICAL SCIENCE. Ph.D. Vienna, 35. Carnegie fel. Inst. Adv. Study, 41-42; prof. int. polit. grad. sch. Georgetown, 46-61; DIR. INT. STUDIES PROG, HOOVER INST, STANFORD, 61- Mem. faculty, Nat. War Col, 52; assoc. prof. for. policy res. inst. Univ. Pennsylvania, 55- Spec. adv. U.S. Air Force Hq, Pentagon, 46-61. Except. civilian serv. award, U.S. Air Force, 59; hon. academician, Chinghua Acad, Taipei, Taiwan, 65. Military history; communism. Publ: Co-auth, The geography of intellect, 63 & auth, Lenin, the compulsive revolutionary, 64, Regnery; auth, Strategie des Friedens, Sicherheit und Fortschritt im Atomzeitalter, Verlag Wissenschaft & Politik, Germany, 64. Address: 23262 Montclair Way, Los Altos, Calif. 94022.

POST, DR. ALBERT, b. Brooklyn, N.Y. Apr. 18, 15; m. 48; c. 1. ECONOMICS. A.B. Arkansas, 36; A.M. Columbia, 37, Ph.D.(hist), 42. Archivist, Nat. Arch, 41-43; econ. analyst, For. Econ. Admin, 43-45; OFFICER, FOR. SERV, U.S. DEPT. STATE, 45- Econ. Asn. International economics. Publ: Popular free thought in America, 1825-50. Address: Foreign Service, U.S. Dept. of State, Washington, D.C. 20025.

POST, A(UGUST) ALAN, b. Alhambra, Calif, Sept. 17, 14; m. 40; c. 1. ECONOMICS. A.B. Occidental Col, 38; fel. Princeton, 39-40. Asst. prof. dept. econ, American Univ, 42-43; economist, U.S. Dept. State, 44-45; res. dir, Utah Found, 45-46; chief economist & admin. analyst, STATE OF CALIF, 46-50, LEGIS. ANALYST, 50- Mem. res. adv. & adv. rev. cmts. & planning adv. cmt. Coun. State Govts, 67; Nat. Cmt. Support Pub. Schs, 67; cmt. legis. staff training & develop, Nat. Legis. Conf. U.S.N.R., 43-44, Ens. Econ. Asn. Budgeting and finance. Publ: Analysis of the budget of the State of California. Address: Room 306, State Capitol, Sacramento, Calif. 95814.

POST, PROF. C(HARLES) GORDON, b. San Juan, P.R. Nov. 22, 03; m. 27; c. 4. POLITICAL SCIENCE. A.B. Hopkins, 25, Ph.D. 33; London, 30. Instr. POLIT. SCI, VASSAR COL, 33-36, asst. prof. 36-42, assoc. prof. 42-48, chmn. dept. 44-65, PROF, 48- Polit. Sci. Asn. American constitutional history and law. Publ: Supreme Court and political questions; An introduction to the law, Prentice-Hall, 63; Significant cases in British constitutional law. Address: Dept. of Political Science, Vassar College, Poughkeepsie, N.Y. 12601.

POST, PROF. LAUREN CHESTER, Geog, see 10th ed, Soc. & Behav. Vols.

POSTEN, DR. HARRY OWEN, Math, Statist, see 11th ed, Phys. & Biol. Vols.

POSTON, PROF. RICHARD WAVERLY, Urban Sociol. & Develop, see 10th ed, Soc. & Behav. Vols.

POTASH, DR. HERBERT, b. New York, N.Y. June 16, 38; m. 61; c. 2. CLINICAL PSYCHOLOGY. A.B. Chicago, 59; M.A. Kent State, 60; Ph.D.(clin. psychol), Mich. State, 64. Trainee PSYCHOL, Vet. Admin. Hosps, Battle Creek, Mich, 60-61, Dearborn, Mich, 62-63; lectr, New Hampshire, 63-64; ASST. PROF, FAIRLEIGH DICKINSON, 64- Consult, Greystone Park State Hosp, 65- Psychol. Asn; Soc. Proj. Tech. & Personality Assessment; Soc. Psychol. Study Social Issues. Game experimentation; schizophrenia; personality development; projective techniques; psychotherapy. Publ: Co-auth, Effects of levels of cooperation on the other player in prisoners dilemma games, J. Abnorm. & Soc. Psychol, 63 & A note on scoring the drama person, J. Clin. Psychol, 66; auth, Schizophrenic interaction and the double bind, Proc. Am. Psychol. Asn. Convention, 67. Address: Dept. of Psychology, Fairleigh Dickinson University, Madison, N.J. 07070.

POTASHIN, DR. REVA, b. Toronto, Ont, Sept. 13, 21. PSYCHOLOGY. B.A. Toronto, 43, M.A. 44, Ph.D. 51. Spec. lectr. PSYCHOL, Saskatchewan, 51-52; instr. BRITISH COLUMBIA, 52-55, ASST. PROF, 55- Am. Psychol. Asn; Can. Psychol. Asn. Child development; play therapy; interpersonal relationships. Publ: Sociometric study of children's friendships & co-auth, Survey of sociometric and pre-sociometric literature on friendship and social acceptance; Personality and sociometric status, Sociomet. Monogr. Address: Dept. of Psychology, University of British Columbia, Vancouver, B.C. Can.

POTHOLM, DR. CHRISTIAN P. II, b. Hartford, Conn, Nov. 14, 40; m. 64. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. A.B. Bowdoin Col, 62; A.M. Fletcher Sch. Law, 64, M.A.L.D. 65, Ph.D.(polit. develop), 67. Instr. polit. sci, DARTMOUTH COL, 66-67, ASST. PROF, AFRICAN POLIT. & INT. RELS, 67- Polit. Sci. Asn; African Studies Asn. Comparative politics; African politics; political development. Publ: Changing political configurations in Swaziland, J. Mod. African Studies, 8/66; Swaziland in transition, Africa Report, 6/67; The protectorates, the OAU and South Africa, Int. J. winter 67. Address: Giants Neck Beach, Niantic, Conn. 06357.

POTICHNYJ, DR. PETER JOSEPH, b. Lviv, Ukraine, June 2, 30; U.S. citizen; m. 57; c. 2. POLITICAL SCIENCE. B.S. Temple, 58; M.A. Columbia, 61, cert. 61, Russian Inst. grants, 61-66, Ph.D.(polit. sci), 66. Lectr. POLIT. SCI, Upsala Col, 62; McMASTER, 64-65, ASST. PROF, 66-, summer travel grants, 65-67, summer stipend, 67. Summer Can. Coun. grant, 66. U.S.M.C. 51-54. Am. Polit. Sci. Asn; Acad. Polit. Sci; Acad. Polit. & Soc. Sci; Asn. Adv. Slavic Studies; Can. Polit. Sci. Asn. Soviet government, politics and foreign policy; eastern European political systems; comparative government; comparative communist systems. Address: Dept. of Political Science, McMaster University, Hamilton, Ont. Can.

POTTER, DR. ALLEN M(EYERS), Govt, see 10th ed, Soc. & Behav. Vols.

POTTER, ALLEN R(OLLINS), b. Kent, Wash, July 26, 06; m. 30; c. 2. SOCIOLOGY. B.A. Washington (Seattle), 30. Exec. secy, Cent. Registry for

Homeless Men, Seattle, 30-34; head off. res. & statist, State Dept. Soc. Security, Wash, 34-39; supt, Seattle & Olympia Housing Survs, 39-41; exec. asst, Seattle Housing Authority, 42-44; statist. analyst, Fed. Pub. Housing Authority, 44-46; area supt, U.S. Bur. Census, 46-47; res. mgr, Seattle Times, 47-52; res. dir, Health & Welfare Coun, SEATTLE & KING CO, 52-60, RES. DIR, PLANNING DIV, UNITED GOOD NEIGHBORS, 61- Fel. Sociol. Asn; Statist. Asn; Soc. Study Soc. Probs; Acad. Cert. Soc. Workers. Social work and statistics; population; development of indices of social disorganization by census tracts. Publ: Facilities for housing, medical care and other services for Seattle homeless men; Housing for low income elderly, Seattle, Washington, 5/67 & Priorities & budgeting 1968-1967, 9/67, UGN, Seattle. Address: 1537 N.E. 92nd St, Seattle, Wash. 98115.

POTTER, PROF. BARRETT GEORGE, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

POTTER, C. STANLEY, b. St. Cloud, Minn, Dec. 11, 17; m. 43; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. St. Cloud State Col, 40; M.A. Minnesota, 48. Youth counsr, Plymouth Congregational Church, Minn, 40-41; counseling psychologist, Nat. Youth Admin, 41-42, personnel officer for South. Minn, 42-43; voc. rehab. counsr, STATE DEPT. PUB. WELFARE, MINN, 43-45, chief counsr, STATE SERV. FOR BLIND, 45-48, DIR, 48- Quest lectr, State Dept. Ed, Nebr, State Div. Soc. Welfare, Kans. & Nebr. Soc. Welfare Inst, 59-61. Consult, Am. Found. for Blind, Ariz, 53; inst. state & local govt, Pennsylvania, 57. Mem, Gov. Cmt. Employ. Physically Handicapped Persons, 53-57; Gov. Cmt. Voc. Rehab, 58-60; health coun, Gov. Cmt. Aging, 59-; Nat. Psychol. Res. Coun. for Blind, 48- Psychol. Asn; Rehab. Asn. Child development; integration of school age blind children through application of special education materials and techniques; compensatory skills and equipment in the vocational adjustment of the physically atypical adult. Publ: Blindness, a vital challenge to the professional team, Minn. Med; Adjustment training in the rehabilitation center, Proc. Am. Asn. Workers for Blind; An adaptation of the Minnesota Multiphasic Personality Inventory for the use with the blind, In: Psychological diagnosis and counseling of the adult blind. Address: Route 5, Stillwater, Minn. 55082.

POTTER, DR. DAVID C, b. Berkeley, Calif, Nov. 3, 31; m. 60; c. 3. POLITICAL SCIENCE. B.A. California, Berkeley, 54, M.A. 57; fel. London Sch. Econ, 60-62, Ph.D.(polit. sci), London, 62. Asst. prof. polit. sci, Oakland, 63-66; Am. Inst. Indian Studies res. grant, India, 66-67; ASSOC. PROF. POLIT. SCI, SIMON FRASER UNIV, 67- Fulbright res. grant, India, 58-59. U.S.A. 54-56. Asn. Asian Studies. Relationships between public bureaucracies and political development in developing countries, especially India. Publ: Government in rural India, Bell, London, 64; co-auth; Asian bureaucratic systems emergent from the British imperial tradition, Duke, 66; auth, Area planning in Rajasthan, J. Asian Studies, 64. Address: Dept. of Political Science, Sociology & Anthropology, Simon Fraser University, Burnaby 2, B.C. Can.

POTTER, DR. HELEN CATHERINE, b. Manhattan, Kans, Mar. 18, 11. ECONOMICS, FINANCE. A.B. Vassar Col, 33; Ph.D.(econ), Hopkins, 42. Dir. adult ed, YWCA, Ohio, 34-36; jr. economist, U.S. Dept. Labor, 36; asst. prof, Wells Col, 37-38; assoc. prof, West. Col, 39-41; assoc. home economist, bur. home nutrit. & home econ, U.S. Dept. Agr, 42; asst. prof. soc. sci, St. Francis Col, 42-43; assoc. prof. & chmn. dept. econ, Seton Hill Col, 43-51; assoc. specialist housing res, California, 51-53; ASSOC. PROF. ECON. & FINANCE, LOYOLA (ILL), 53- Consult, Household Finance Corp; lectr, Trinity Col.(D.C.), 49-50. Econ. Asn; Finance Asn. Consumer economics; money and banking; personal finance. Publ: Consumption, Introd. Mod. Econ; Savings and loan associations and the consumer interest, Am. J. Econ. & Soc; I am happy to be a teacher, Sch. & Soc. Address: Dept. of Finance, Loyola University, 820 N. Michigan Ave, Chicago, Ill. 60611.

POTTER, DR. JACK M, b. Oakdale, Tenn, Oct. 13, 36; m. 58. ANTHROPOLOGY. A.B. California, Berkeley, 58, Ph.D.(anthrop), 64; Chicago, 58-59. From instr. to ASSOC. PROF. ANTHROP, CALIFORNIA, BERKELEY, 63-Chinese studies; social and cultural anthropology. Publ: Co-auth, Peasant society: a reader, Little, 67; auth, Capitalism and the Chinese peasant, Univ. California, 68. Address: Dept. of Anthropology, University of California, Berkeley, Calif. 94720.

POTTER, LAURENCE E(VERETT), b. Nashua, N.H. Mar. 10, 16; m. 35; c. 2. ECONOMICS. A.B. Clark, 37. Asst. price exec. consumer durable goods div, Off. Price Admin, 41-47; economist, econ. & sci. sect, Supreme Comdr. Allied Powers, Japan, 47-52; chief economist, automotive & iron & steel brs, Off. Price Stabilization, 52-53; asst. dir, U.S. Ops. Mission, Iran, 54-56; ASSOC. CHIEF, INVESTMENT GUARANTIES DIV, AGENCY INT. DEVELOP, 56- Econ. Asn; Finance Asn. Government insurance of United States private foreign investment; price control of consumer durable goods. Address: 1904 N. Johnson St, Arlington, Va. 22207.

POTTER, (ALFRED) NEAL, b. Cherrydale, Va, Mar. 22, 15; m; c. 2. ECONOMICS. A.B. Minnesota, 37, A.M. 40. Head income anal. unit, Off. Price Admin, 43-45; instr. Carnegie Inst. Tech, 46-47; asst. prof. econ. State Col. Wash, 47-51; field dir, United World Federalists Wash. State, 51-54; MEM. STAFF, RESOURCES FOR FUTURE, INC, D.C. 56- Secy. natural resources group, Nat. Wealth Inventory Planning Study, 63-64. Natural resources; estimating the distribution of income by size; gross national product. Publ: Co-auth, Trends in natural resource commodities, 1870-1957, World prospects for natural resources, Resources for Future, 64 & Method of estimating the distribution of civilian money income in 1942, Studies in Income & Wealth. Address: 6801 Brookville Rd, Chevy Chase, Md. 20015.

POTTER, PROF. PITMAN B(ENJAMIN), b. Long Branch, N.J. Jan. 1, 92; m. 14, 41; c. 4. INTERNATIONAL RELATIONS. A.B. Harvard, 14, A.M. 16, Ph.D. 18. Instr. govt, Harvard, 14-16; polit. sci, Yale, 16-17; mem. staff, U.S. Bur. Efficiency, 18-19; faculty, Illinois, 19-20; prof. polit. sci, Wisconsin, 20-30; int. orgn, Grad. Inst. Int. Studies, Geneva, 30-41; mem. staff, Brookings Inst, 41-42; Oberlin Col 42-44; from Grozier prof. int. law to prof. INT. RELS. & ORGN. & chmn. dept, AMERICAN UNIV, 44-58, dean grad. div, 50-58, EMER. PROF, 58- Mem. faculty, Chicago, 22; Harvard, 24, 30; Texas, 27; California, 28; Hague Acad. Int. Law, 30, 38; Paris, 35;

- Zurich, 36; vis. lectr. Inst. Am. Univs. Univ. Aix-Marseilles, France, 60-Polit. Sci. Asn; Soc. Int. Law (from secy. to v. pres. from ed. to managing ed, Jour); Soc. Pub. Adm. International organization and administration; United States foreign policy; freedom of the seas. Publ: Introduction to the study of international organization. Address: School of International Service, American University, Nebraska & Massachusetts Ave. N.W., Washington, D.C. 20016.
- POTTER, DR. R(OBERT) G(RAY), b. Boston, Mass, Aug. 5, 25; m. 47; c. 4. SOCIOLOGY. A.B. Harvard, 50, M.A. 52, Ph.D.(sociol.), 55; Schick Pop. fel, Princeton, 52-53, Pop. Coun. fel, 53-54. Res. asst. Off. Pop. Res, 54-56, res. assoc. demog, 56-62; SOCIOL. BROWN, 62-64, assoc. prof, 64-66, PROF, 66- U.S.A. 43-45. Sociol. Asn; Pop. Asn; Statist. Asn; Eugenics Soc; Int. Union. Sci. Study Pop. Demography. Publ: Co-auth, Family growth in metropolitan America & The third child, Princeton Univ. Press, 63. Address: Brown University, Providence, R.I. 02912.
- POTTHARST, DR. KARL E(DWARD), b. New Orleans, La, Sept. 1, 18; m. 52; c. 2. PSYCHOLOGY. B.A., Tulane, 39, M.A., 40; Virginia, 40-41; M.A., Michigan, 48, Ph.D.(psychol.), 50. Clin. psychologist, Vet. Admin. Ment. Hyg. Clin, Detroit, Mich, 49-52, asst. chief clin. psychologist, 52-53, chief clin. psychologist, 53-55; private practice, 55-58; CO-DIR. WEST. PSYCHOL. CENTER, 58- Asst. prof. psychiat, Southern California, 66- Consult, Las Palmas Sch. Girls, Los Angeles County Probation Dept, Calif, 56-; behav. sci, Los Angeles County, 67- Dipl. Am. Bd. Exam. Prfl. Psychol, 55. U.S.A. 44-46. AAAS; fel. Psychol. Asn; fel. Soc. Proj. Tech; fel. Ortho-psychiat. Asn. Psychoanalytic psychotherapy; psychopathology of parent-child relations; interaction processes in groups; supervision and training; residential treatment. Address: 4958 Edgerton Ave, Encino, Calif. 91316.
- POTTHOFF, DR. RICHARD F(REDERICK), b. Champaign, Ill, Mar. 17, 32. MATHEMATICAL STATISTICS. B.A. Swarthmore Col, 53; scholar, North Carolina, 53-54, Ph.D., 59; summer, Wisconsin, 56. Asst. North Carolina, 56-58; computer worker prod. planning & piece goods planning, Blue Bell, Inc, N.C., 58-61; res. assoc. math. statist, North Carolina, 61-65; OPER. RES. ANALYST, BURLINGTON INDUSTS, INC, 65- Mem. summer staff, Life Ins. Agency Mgt. Assoc, 54; Bettis atomic power div, Westinghouse Elec. Corp, 57; Radio Corp. Am. Serv. Co, 58. U.S.A. 54-56. Inst. Math. Statist; Statist. Asn. Experimental design; multivariate analysis of variance; applications of statistics to the social sciences; operations research; sales forecasting; inventory control; production planning; business applications of statistics. Publ: Three-factor additive designs more general than the Latin square, Technometrics, 62; co-auth, A generalized multivariate analysis of variance model useful especially for growth curve problems, 64 & Testing for homogeneity. I The binomial and multinomial distributions & II The Poisson distribution, 66, Biometrika. Address: 311-D S. Mendenhall, Greensboro, N.C. 27403.
- POTTS, DR. MARION H, b. Brooklyn, N.Y., Apr. 30, 32. PSYCHOLOGY, CHILD DEVELOPMENT. B.A. St. Joseph's Col.(N.Y.), 53; M.A. Minnesota, 57; Pub. Health Serv. fel, Pa. State, 63-64, Ph.D.(psychol.), 65. Teacher, pub. schs, N.Y., 53-55; asst. child develop, Univ. Minnesota, 55-57, diagnostician, child guid. clin, 56-57; asst. prof. ed, presch. & primary demonstr. teacher & supvr, State Univ. N.Y. Col. Cortland, 57-63, assoc. prof. ed. & psychol, child study center, 64-67; ASST. PROF. CHILD DEVELOP, CORNELL, 67- Consult, Cortland Primary Reading Proj, N.Y., 65-67; Cortland Prekindergarten Lang. Proj, 66-67; Plattsburgh Movement Ed. Proj, 66-67; Appalachia Regional Lab & Proj. Head Start, 68. Psychol. Asn; Soc. Res. Child Develop; Ed. Res. Asn. Language acquisition; preschool learning environment and teaching strategies; cognitive development. Publ: Effect of second language instruction on reading proficiency and general school achievement of primary grade children, Am. Ed. Res. J, 11/67; Effect of a morphological cue and of distinctive verbal labels on the transposition responses of three, four and five-year olds, J. Exp. Child Psychol, 3/68; co-auth, The relative achievement of first-graders under three different reading programs, J. Ed. Res, 8/68. Address: Dept. of Child Development, Cornell University, Ithaca, N.Y. 14850.
- POTVIN, PROF. GEORGES, b. Chandra, Que, Apr. 23, 28; m. 53; c. 4. GEOGRAPHY, LAND ECONOMICS. B.A. Sacred Heart Univ, 48; M.A. Laval, 51. Lectr. GEOG. Toronto, 51-61, asst. prof, 61-64, ASSOC. PROF, McMASTER, 64-, CHMN. RES. UNIT URBAN STUDIES, 67- Can. Asn. Geog; Town Planning Inst. Can. Urban, human and economic geography; land use; town and regional planning. Publ: City of Niagara Falls urban renewal study; City of Saint John urban renewal study. Address: Research Unit for Urban Studies, McMaster University, Hamilton, Ont, Can.
- POTVIN, PROF. RAYMOND H(ERVE), b. Southbridge, Mass, Oct. 28, 24. SOCIOLOGY. S.T.B. Montreal, 47; M.A. Catholic Univ, 54, Ph.D.(sociol, econ), 58; summers, Cornell, 54; Harvard, 55. Asst. pastor, Springfield, Mass, 48-53; lectr. SOCIOL, CATHOLIC UNIV, 56-57, instr, 58-59, asst. prof, 60-62, assoc. prof, 62-67, PROF, 67- Pop. Coun. fel, Princeton, 65-66. Consult, Center Pop. Res, Georgetown Univ, 66- Sociol. Asn; Acad. Polit. & Soc. Sci; Pop. Asn. Sociological theory; industrial sociology; small groups; sociology of religion; population growth and analysis. Publ: Belgian enterprise councils, Catholic Univ, 58; co-auth, College women and fertility values, Princeton Univ, 67 & Higher education, religion and fertility, Am. Sociol. Rev, 66. Address: Box 1264, Catholic University, Washington, D.C. 20017.
- POULSEN, DR. THOMAS M, b. Portland, Ore, June 16, 31; m. 51; c. 4. GEOGRAPHY. B.S. Oregon State, 53; M.S. Wisconsin, 55, Ph.D.(geog), 63; Ford Found. fel, Harvard, 57-58. Instr. GEOG. Sacramento State Col, 59-63; asst. prof, PORTLAND STATE COL, 63-64, ASSOC. PROF, 64- Fulbright-Hays faculty res. fel, East. Europe, 66-67. Asn. Am. Geog; Asn. Adv. Slavic Studies. Political and economic geography of Eastern Europe and the Union of Soviet Socialist Republics. Address: Dept. of Geography, Portland State College, Portland, Ore. 97207.
- POULTON, EDGAR E(ARL), b. Rindard Mills, Ohio, May 26, 14; m. 45; c. 3. ECONOMICS. A.B. Marietta Col, 37; M.A. Cincinnati, 38; Ohio State, 38-40. ECONOMIST, U.S. Dept. Labor, 40-47; FED. DEPOSIT INS. CORP, 47-63, 64-; Fed. Home Loan Bank Bd, 63-64. Econ. Asn. Labor; money and banking; international economics; role of the Federal Deposit Insurance Corp. Publ: Rise of industry in the South, Bull. Bur. Labor Statist; Development of backward areas & What price federal debt?, Antioch Rev. Address: 7001 Elizabeth Dr, McLean, Va. 22101.
- POUNCEY, DEAN (ANTHONY) TRUMAN, b. Smiley, Tex, Aug. 3, 07; m. 41; c. 2. EDUCATIONAL PSYCHOLOGY. Ph.D.(ed. psychol), Minnesota, 54. Lectr. Journalism, Minnesota, 52-54, asst. to recorder, 54-56; registr. & dir. admissions, Minn. State Teachers Col, St. Cloud, 56-61; DEAN ADMISSIONS & RECORDS, TENNESSEE, 61- Mem. cmt. utilization sci. manpower, State Selective Serv. Syst. Minn, 55-61. U.S.A. 43-46. Asn. Collegiate Registr. & Admission Officers (ed-in-chief spec. pub, 63-68, distinguished serv. award, 67). Student personnel research. Publ: Photographic journalism; Psychological correlates of journalism training completion; Manual on preparation of bulletin copy. Address: Office of Admissions & Records, University of Tennessee, Knoxville, Tenn. 37916.
- POUNDERS, DR. CEDRIC JACK, b. Bristow, Okla, Aug. 8, 26; m. 63; c. 3. OPERATIONS RESEARCH, ECONOMICS. B.S. Oklahoma, 50, M.B.A. 57; M.A. Baylor, 56; Ph.D.(econ), Southern Methodist, 65. Qual. control analyst, Phillips Petroleum Co, 52-57; instr. econ, Tex. Tech. Col, 57-60; sr. ops. analyst, Ling-Temco-Vought Corp, 62-65; ASST. PROF. QUANT. METHODS, SOUTHERN CALIFORNIA, 65- U.S.N. 44-46 & 50-52. Econ Soc; Regional Sci. Asn. Military operations; civil systems analysis. Address: Dept. of Quantitative Analysis, School of Business, University of Southern California, Los Angeles, Calif. 90007.
- POUNDS, PROF. NORMAN J(OHN) G(REVILLE), b. Bath, Eng, Feb. 23, 12; m. 38. GEOGRAPHY. B.A., Cambridge, 34, M.A. 40; B.A. London, 43, Ph.D. 45. Tutor, Fitzwilliam House, Cambridge, 44-50; prof. GEOG. INDIANA, 50-59, UNIV. PROF, 59-, CHMN. DEPT, 62- Vis. prof, Wisconsin, 49-50; Rose Morgan vis. prof, Kansas, 58-59; Borah lectr, Idaho, 61. Asn. Am. Geog; Am. Geog. Soc; Econ. Hist. Asn; Hist. Asn. Coal, iron and steel industries of Europe; classical and medieval historical geography; history and geography of Poland, Publ: Coal and steel in Western Europe: Political geography, McGraw, 62; Economic pattern of modern Germany, John Murray, London, 63. Address: 2203 Moore's Pike, Bloomington, Ind. 47401.
- POUNDS, PROF. WILLIAM F(RANK), b. Fayette Co, Pa, Apr. 9, 28; m. 54; c. 2. MANAGEMENT. B.S. Carnegie-Mellon Univ, 50, M.S. 59, Ph.D.(indust. admin), 64. Indust. engr, Eastman Kodak Co, 50-51, 55-57; asst. to gen. mgr, Forbes Finishes Co, Pittsburgh Plate Glass Co, 60-61; asst. prof, SLOAN SCH. MGT, MASS. INST. TECH, 61-64, assoc. prof, 64-66, PROF. & DEAN, 66- Consult, Westinghouse Elec. Corp; West. Elec. Co, Inc; Eastman Kodak Co; Am. Can Co; Am. Mutual Life Ins. Co. U.S.N. 51-55, Lt.(jg). Inst. Mgt. Sci. Construction of models of human decision behavior using both mathematical and heuristic methods. Publ: Co-auth, Statistical scheduling of a highly mechanized production facility, J. Indust. Eng, 59 & Theory and method in the exploration of human decision behavior, Indust. Mgt. Rev, 63; auth, The scheduling environment, Indust. Scheduling, 63. Address: Sloan School of Management, Massachusetts Institute of Technology, 50 Memorial Dr, Cambridge, Mass. 02139.
- POUNIAN, DR. CHARLES A(RSHEN), b. Chicago, Ill, Nov. 5, 26; m. 50; c. 2. PSYCHOLOGY. B.A. Lake Forest Col, 49; M.S. Ill. Inst. Tech, 51, Ph.D. 60. Personnel exam, CHICAGO CIVIL SERV. CMN, 53-57, dir. test construct, 57-60, PERSONNEL DIR, 60- Lectr. pub. admin, grad. sch, Ill. Inst. Tech, 66- U.S.A. 44-46. Psychol. Asn; Pub. Personnel Asn; Soc. Pub. Admin. Public administration; psychological test construction, analysis and evaluation; recruitment; classification and compensation; employee training and development; merit rating; personnel research and administration. Address: 924 Castlewood Terr, Chicago, Ill. 60640.
- POURNELIE, DR. J(ERRY) EUGENE, b. Shreveport, La, Aug. 7, 33; m. 59; c. 4. POLITICAL SCIENCE, SYSTEMS ANALYSIS. B.S. Washington (Seattle), 54, M.S. 57, fel, 63-64, Ph.D.(polit. sci), 64. Asst. psychol, Iowa, 52-54; Washington (Seattle), 54-57; aviation psychologist, Boeing Co, 57-62, res. engr, 62-64; mgr. spec. studies, Aerospace Corp, 64-65; res. scientist, N.Am. Aviation, Inc, 65-66; ASSOC. PROF. HIST. & POLIT. SCI, PEPPERDINE COL, 66-, MANAGING DIR, PEPPERDINE RES. INST, 67- Prin. investr, Air Force Off. Sci. Res, 67-68. Excellence award, Am. Security Coun, 67. Ops. Res. Soc. Am; Am. Polit. Sci. Asn; Inst. Strategic Studies. Systems analysis and strategic studies, including weapons systems requirements analysis; political philosophy; relation of force to political organization. Publ: Co-auth, Open space and peace, Hoover Inst, 64; auth, The current strategic doctrines of the United States, Aerospace Corp, 65; Legislative investigations, Pepperdine Col, 66. Address: Pepperdine Research Institute, 8035 S. Vermont Ave, Los Angeles, Calif. 90044.
- POURNELLE, DR. GEORGE H(ENRY), Biol, see 11th ed, Phys. & Biol. Vols.
- POUSSON, PROF. LEON B(ERNARD), b. Iota, La, June 9, 13; m. 47; c. 4. PSYCHOLOGY, PHILOSOPHY. B.Philos. Angelico Univ, Italy, 34, Ph.L. 35; B.Mus. La. State, 38, B.A. 39; Ph.D.(philos), Catholic Univ, 43. Instr. philos, Our Lady of the Lake Col, 43-45; asst. prof. psychol. & philos, Immaculate Heart Col, 46-48; assoc. prof, Col. St. Joseph (N.Mex), 48-49; PSYCHOL. ST. MARY'S (TEX), 49-54, PROF. & CHMN. DEPT, 54-, GRAD. ADV. 65- Consult. & developer, training mat. psychol. of supv. & mgt, 4th U.S. Army, 55; consult. & evaluator, Proj. Headstart, 66. Psychol. Asn. Perception; learning; social psychology. Publ: The authoritarian philosophy of education, Catholic Univ, 44. Address: 320 E. Courtland Place, San Antonio, Tex. 78212.
- POVLOVICH, DR. CHARLES A(LBERT), JR, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- POVOLNY, PROF. MOJMR, b. Menin, Czech, Nov. 25, 21; nat; m. 56; c. 2. INTERNATIONAL RELATIONS. Dr.Jr, Masaryk Univ, Czech, 47; Ph.D. Chicago, 54. Asst. dir. int. student prog, Am. Friends Serv. Cmt, 54-57; instr. Chicago, 57-58; asst. prof. GOVT, LAWRENCE, 58-62, assoc. prof,

62-67, PROF, 67- Polit. Sci. Asn; Int. Studies Asn; Asn. Adv. Slavic Studies. Theory of international relations and law; international politics; political theory; the Soviet system. Publ: A small nation in the international system, Mouton, The Hague, 67; Africa in search of unity, Background 66. Address: 31 S. Meadows Dr, Appleton, Wis. 54911.

POW, PRES. ALEX(ANDER) S(IMPSON), b. Birmingham, Ala, Jan. 11, 19; m. 42; c. 3. PUBLIC ADMINISTRATION. B.S. Alabama, 41; Sloan Found. fel, Denver, 41-43, M.S. 43; fel, N.Y. Univ. 55-57, Ph.D.(pub. admin), 60. Asst. bur. pub. admin. Alabama, 43-45, dir. univ. exten. centers, 47-53, assoc. prof. polit. sci. & dir. arts & sci. exten. serv, 53-55; asst. dean grad. sch. pub. admin. & domestic prog. supvr, assoc. dir. & dir, Univ. Ankara Proj, N.Y. Univ. 55-58; assoc. prof. polit. sci., Alabama, 58-60, prof. 60-68, dir. contracts & grants, 58-63, v.pres. instnl. develop, 63-65, acad. affairs, 65-68, PRES. WESTERN CAROLINA, 68- Mem. at large, bd. dirs, Gulf Univs. Res. Corp. 66-67. Exec. asst. to Gov, Ala, 43-45; dir, State Legis. Reference Serv, 45-47. Secy, Fed. Personnel Coun. & Munic. Personnel Coun, New York, 55-58; Fed. Cmt. Ed. & Soc. Security, Soc. Security Bd, 58; consult. & mem. core group, NASA-Univ. Rels, 61-; mem. gen. adv. cmt, select cmt. govt. res, U.S. House Rep, 63-65; conf. planning cmt, South. Region Conf. Ed, Va, 65; cmt. sponsored projs, Am. Coun. Ed, 66-; bd. adv. center south. studies, Duke, 66-; adv. cmt. spec. proj. develop. new progs. soc. work ed, Coun. Soc. Work Ed, 67- Soc. Pub. Admin; Polit. Sci. Asn; Acad. Polit. & Soc. Sci. State and local government; federal and state executive-legislative relations. Publ: Comptroller general and the general accounting office of the United States; co-auth, Municipal administration in Winona, Minnesota. Address: Office of the President, Western Carolina University, Cullowhee, N.C. 27823.

POWDERMAKER, DR. HORTENSE, b. Philadelphia, Pa, Dec. 24, 00. ANTHROPOLOGY. B.A. Goucher Col, 20, hon. D.Sc, 57; Ph.D.(anthrop), London, 28. Field study, Australian Nat. Res. Coun, 29-30; Yale, 30-31; Soc. Sci. Res. Coun. fel, Miss, 32-33; res. assoc. ANTHROP, inst. human rels, Yale, 34-37; from assoc. prof. to prof, Queens Col.(N.Y.), 38-67; RES. ASSOC. CALIFORNIA, BERKELEY, 67- Vis. lectr, Yale, 43-44; California, Los Angeles, 46-47; Viking Fund field study, Hollywood, 46-47; Guggenheim fel, Africa, 53-54; vis. prof, Columbia, 58-59. Anthrop. Asn; Ethnol. Soc. (pres, 46). Social change; values; psychological anthropology; study of youth culture. Publ: Life in Lesu, the study of a Melanesian society in New Ireland, 33 & Stranger and friend, the way of an anthropologist, 66, Norton; After freedom, a cultural study in the Deep South, Viking, 39. Address: Dept. of Anthropology, University of California, Berkeley, Calif. 94720.

POWE, WILLIAM E(DWARD), b. Clarkston, Wash, Mar. 25, 25; m. 48; c. 4. PSYCHOLOGY. B.S. State Col. Wash, 51; Illinois, 52-54. Asst. training res. lab, Illinois, 52-54; chief prog. br, Hqs, Air Force Personnel & Training Res. Center, 54-57, ground systs. sect, oper. lab, 57-58; human factors off, Air Proving Ground Center, Eglin Air Force Base, 58-59, tech. dir, 59-60; sr. staff engr. human factors, BELL AEROSYSTS. CO, BUFFALO, 60-62, chief human factors, 62-64, MGR. TECH. SERV, 64- Lectr, State Univ. N.Y. Buffalo, 61-63. U.S. Civil Serv. awards, 57, 59. U.S.N., 43-46. Psychol. Asn; Human Factors Soc; Rocket Soc. Learning and behavior theory; training; human engineering; operations research; statistics. Publ: Performance decrement at an audio-visual checking task, J. Exp. Psychol; co-auth, Effectiveness of integrated flight simulators in training combat ready B-52 crews, Aerospace Med. Res. Labs, 65; auth, Space maintenance in rendezvous and docking, Am. Astronaut. Sci, 63. Address: 7124 Town Line Rd, North Tonawanda, N.Y. 14120.

POWELL, DR. BARBARA J(OAN), b. Williamsville, Ill, June 30, 33. PSYCHOLOGY. B.A. Washington (St. Louis), 57, Ph.D.(psychol), 64; M.A. George Washington, 60. Res. psychologist, Galesburg State Res. Hosp, 64-68; CLIN. PSYCHOLOGIST, MALCOLM BLISS MENT. HEALTH CENTER, 68- Asst. prof, Washington (St. Louis), 68- Psychol. Asn. Effects of drugs on behavior with special attention to individual differences. Publ: Prediction of drug action: elimination of error through emotionality, Proc. Am. Psychol. Asn, 67; Relationship between emotionality drug effects and avoidance in tryon s1 and s3, Can. J. Psychol, 67; Behavioral synergism of d-amphetamine and amobarbital in avoidance conditioning, J. Psychopharmacol, 68. Address: Dept. of Psychology, Malcolm Bliss Hospital, 1420 Grattan, St. Louis, Mo. 63104.

POWELL, DR. DOUGLAS HYDE, b. Louisville, Ky, Dec. 21, 33; m. 51; c. 1. PSYCHOLOGY. A.B. Lawrence Col, 56; Tinkham fel, Judge Baker Guid. Center, 57-58; Ed.D., Harvard, 59. Clin. psychologist, health serv, Harvard, 58-59; U.S. Air Force Aerospace Med. Center, 59-62; PSYCHOLOGIST, HEALTH SERV, HARVARD, 62-, lectr, dept. soc. rels, 63-66. Private practice, 62- U.S.A.F.R, 59-, 1st Lt. Psychol. Asn. Psychology and normalcy; clinical research; adolescent development; college dropouts; management consulting. Publ: Childhood through career. Address: 75 Mt. Auburn St, Cambridge, Mass. 02138.

POWELL, DR. E(DWARD) CECIL, b. Atkinson, N.C, Jan. 21, 30. SOCIOLOGY, PSYCHOLOGY. B.A., N.C. Col. Durham, 52, M.A., 54; South Ed. Found. fel, Kentucky, 57-59, United Negro Col. Fund fel, 61-62, Ph.D.(sociol. ed. admin), 65. Prof. sociol. & soc. sci, Prairie View Agr. & Mech. Col, 54-56; assoc. prof. sociol. & psychol, Wiley Col, 56-57; asst. ed. admin, Kentucky, 57-59; teacher sociol. & soc. psychol, Paine Col, 59-67, mem. acad. coun, 62-65; ASSOC. PROF. SOCIOL, DEAN. INSTR. & CHMN. DIV. SOC. SCI, JARVIS CHRISTIAN COL, 67- Consult, regional ed. admin. workshop, Tuskegee Inst, 58. Sociol. Asn. Social psychology; intergroup relations; human relations in administration. Address: Jarvis Christian College, Hawkins, Tex. 75765.

POWELL, DR. ELWIN HUMPHREYS, b. Los Angeles, Calif, Nov. 18, 25; m. 56; c. 1. SOCIOLOGY. B.A. Texas, 49, M.A., 51; Ph.D. Tulane, 56; London Sch. Econ, 57-58. Asst. prof. SOCIOL, Tulsa, 54-58; ASSOC. PROF. STATE UNIV. N.Y. BUFFALO, 58- U.S.N., 44-46. Sociol. Asn. Social pathology; urban sociology; sociology of war and peace. Publ: Occupation, status and suicide: toward a redefinition of anomie, Am. Sociol. Rev; Evolution of the American city and the emergence of anomie, Brit. J. Sociol;

Beyond utopia: a study of the beat generation, In: Human behavior and social process. Address: Dept. of Sociology, State University of New York at Buffalo, Buffalo, N.Y. 14214.

POWELL, PROF. FRANK V(AVASOR), b. Platteville, Wis, Jan. 27, 26. PSYCHOLOGY. A.B. Redlands, 50; M.S. Wisconsin, 51, Ph.D.(psychol), 55. Counsr, FRESNO STATE COL, 55-56, asst. prof. PSYCHOL, 56-59, from assoc. prof. to PROF, 59- U.S.A., 43-46. Psychol. Asn. Personality dynamics; mental retardation. Address: Dept. of Psychology, Fresno State College, Fresno, Calif. 93726.

POWELL, FRANKLIN E(DWARD), Econ, see 10th ed, Soc. & Behav. Vols.

POWELL, DR. FREDRIC ALAN, b. Lansing, Mich, Oct. 31, 35; m. 56; c. 2. SOCIAL PSYCHOLOGY, COMMUNICATIONS. B.A. Mich. State, 57, M.A., 60, Ph.D.(commun), 63. Instr. commun, Mich. State, 61-63; asst. prof. commun. res, Boston, 63-65; STUDY DIR, SURV. RES. CENTER, INST. SOC. RES, MICHIGAN, 65-, LECTR, UNIV, 66- Mem. staff, Mich. State-Agency Int. Develop. seminars in commun, 60- Consult, Am. Col. Pub. Rels. Asn, 64; geront. br, bur. state serv, U.S. Pub. Health Serv. & Equitable Life Assurance Soc. Am, 64-65. U.S.A., 57-59, Res, 59-, Capt. AAAS; Asn. Pub. Opinion Res; Asn. Ed. in Journalism; Psychol. Asn; Nat. Soc. Study Commun. Communication and influence; communication in social organizations; social effects of technological change and innovation; study of non-reactive measures in experimental research; cognitive choice and decision behavior. Publ: Source credibility and behavioral compliance as determinants of attitude change, 65 & Latitudes of acceptance and rejection and the belief-disbelief dimension, 66, J. Personality & Soc. Psychol; co-auth, Social approval and disapproval cues in anxiety-arousing communications, Speech Monogr, 67. Address: Institute for Social Research, University of Michigan, Ann Arbor, Mich. 48106.

POWELL, DR. G. BINGHAM, JR, b. Salem, Ore, Feb. 8, 42; m. 63; c. 3. POLITICAL SCIENCE. B.A. Princeton, 63; Woodrow Wilson fel, Stanford, 63-64, M.A., 64, Danforth fel, 63-67, Ph.D.(polit. sci), 68. ASST. PROF. POLIT. SCI, CALIFORNIA, BERKELEY, 67- Soc. Sci. Res. Coun. res. & training fel, 67-68. Polit. Sci. Asn. Comparative politics and political development; political participation, fragmentation and conflict; historical political development; performance and capability of political systems; belief systems. Publ: Co-auth, Comparative politics: a developmental approach, Little, 66. Address: Dept. of Political Science, University of California, Berkeley, Calif. 94720.

POWELL, DR. GEORGE M(CUTCHAN), b. Macon, Mo, June 17, 24; m. 48, 66; c. 3. ECONOMICS. B.A. Arkansas, 50; M.A. Minnesota, 51; Ph.D.(econ), Illinois, 61. Asst. prof. ECON, Arkansas, 55-57; Coe Col, 57-61, assoc. PROF, 61-65; PMC COLS, 65-, HEAD DEPT, 66- Vis. prof, Cuttington Col, Liberia, 63-64. Econ. consult, Frank N. Magid Assocs, Iowa, 62-63. U.S.A., 43-46, 1st Lt. Econ. Asn. Economic and social effects of educating to full individual potential; economic education in elementary and secondary schools; market analysis for cranes and shovel cranes; commercial policy of economically underdeveloped countries; manpower utilization. Publ: Link-belt speeder market evaluation—California, Frank N. Magid Assocs, 62. Address: Dept. of Economics, PMC Colleges, Chester, Pa. 19013.

POWELL, PROF. HAROLD F(FREDERIC), b. Durand, Mich, Mar. 25, 12; m. 36; c. 2. EDUCATIONAL PSYCHOLOGY. A.B. Albion Col, 35; M.S.W., Michigan, 43, Ph.D.(ed), 50. From assoc. prof. to PROF. CLIN. & ED. PSYCHOL, WAYNE STATE, 46- Fulbright lectr, Italy, 58-59. Co-auth, Clinical psychology of exceptional children, Harper, 57 & School psychological services, Prentice-Hall, 67. Address: 1431 W. Lincoln Ave, Birmingham, Mich. 48009.

POWELL, PROF. J(ACK) RICHARD, b. Los Angeles, Calif, Sept. 13, 14; m. 41; c. 1. ECONOMICS. A.B. Santa Barbara Col, 38; M.A. California, Los Angeles, 39, Ph.D.(econ), 52; Taussig traveling fel, Mexico, 48; Pan-Am. Airways fel, Ecuador, 48-49. Lectr. ECON, California, Los Angeles, 50-52, asst. prof, 52-54; CALIF. STATE COL. LONG BEACH, 54-61, PROF, 61-, chmn. dept, 63-68. U.S.N., 41-45. Econ. Asn; Econ. Hist. Asn. Mexican petroleum industry. Publ: The Mexican petroleum industry, 1938-1950; Notes on Latin American industrialization & labor problems in the Mexican petroleum industry, 1938-1950, Inter-Am. Econ. Affairs. Address: Dept. of Economics, California State College at Long Beach, Long Beach, Calif. 90801.

POWELL, DR. JACKSON O(LIVER), b. Okla, Oct. 21, 20; m. 42; c. 5. HIGHER EDUCATION, B.S. Southeast. State Col, 41; M.S. Syracuse, 47, Ph.D.(ed. psychol), 50. Dean, Col. ed, WICHITA STATE, 50-66, V.PRES. ACAD. AFFAIRS, 66- Fel. AAAS; Ed. Res. Asn. Change in human behavior and the college experience. Address: 2314 N. Bluff, Wichita, Kans. 67220.

POWELL, PROF. JAMES H(ENRY), Math. Statist, see 11th ed, Phys. & Biol. Vols.

POWELL, DR. JOHN R(OBERT), b. Macon, Mo, June 8, 32; m. 53; c. 2. PSYCHOLOGY. A.B. William Jewell Col, 54; Gregory scholar, Missouri, 59-60, M.A., 61, Ph.D.(psychol), 64. Sr. acct. clerk, Gen. Motors Corp, 58-58; psychol. trainee, Vet. Admin. Hosp, 61-62; instr. PSYCHOL, MISSOURI, 63-64; asst. prof, COUNSELING CENTER, MICH. STATE, 64-66, ASSOC. PROF, 64- U.S.A., 54-56. Nat. Coun. Measurement in Ed. Psychol. Asn; Personnel & Guid. Asn. Process and techniques in group and individual psychotherapy; change and development of personality and behavior in adolescents and young adults; relationships between religion and psychology. Publ: Co-auth, A manual of tested examination questions to accompany Coleman's Personality dynamics and effective behavior, Scott, 65, Decentralized counseling services in co-educational living-learning units, Mich. State Univ. Orient, 66 & Personnel assistants and student development, Houghton, 69. Address: 207 Student Services Bldg, Michigan State University, East Lansing, Mich. 48823.

POWELL, JULES VINCENT, b. Clarksburg, W.Va, Mar. 7, 19; m. 49; c. 3. AGRICULTURAL ECONOMICS. B.S. West Virginia, 46; M.A. Washington

State, 48. Agr. economist, bur. agr. econ. U.S. Dept. Agr. 48-49; Univ. Hawaii, 49-50; asst. mgr. R.D. Wilson Sons & Co, W.Va. 50-55; agr. economist, MKT. ECON. DIV. ECON. RES. SERV. U.S. DEPT. AGR. 55-66, ASST. CHIEF HORT. & SPEC. CROPS BR. 66- U.S.A.A.F. 41-45, Capt. Econ. Asn; Farm Econ. Asn. Deciduous fruits and tree nuts; implant efficiency; interregional competition; market structure. Publ: Marketing tree nuts: trends and prospects; Costs of packing Colorado peaches; Appalachian apples: packing costs and efficiency. Address: Horticultural & Special Crops Branch, Marketing Economics Division, Economic Research Service, U.S. Dept. of Agriculture, Washington, D.C. 20250.

POWELL, PROF. MARVIN, b. Syracuse, N.Y., May 5, 24; m. 51; c. 2. EDUCATIONAL PSYCHOLOGY. A.B. Syracuse, 47, M.S. 49, Ph.D. (psychol), 52. Asst. instr. child growth & develop. Syracuse, 49-52; asst. prof. ED. PSYCHOL., Western Reserve, 52-61; PROF. NORTHERN ILLINOIS, 61- Consult. Willoughby-Eastlake Bd. Ed. 55-61; develop. of Nat. Inst. Ment. Health work-study prog. ment. health, 65. U.S.A.A.F. 43-46. Fel. AAAS; fel. Psychol. Asn; Soc. Res. Child Develop; Ed. Res. Asn. Child growth and development; adolescent problems; learning and motivation. Publ: The psychology of adolescence, Bobbs, 63; co-auth. Psychosomatic ailments in childhood and adolescence, C.C. Thomas, 67; auth. Age and sex differences in degree of conflict within certain areas of psychological adjustment, Psychol. Monogr. Address: Dept. of Education, Northern Illinois University, DeKalb, Ill. 60115.

POWELL, NORA P(HYLLIS), b. London, Ont., Nov. 14, 10; nat. DEMOGRAPHY. B.S. Pennsylvania, 32. Statist. asst. Biochem. Res. Found. Pa, 34-38; statistician, div. cancer control, State Dept. Health, 39-41; health ed. secy, Harrisburg Tuberc. & Health Soc. 41-42; soc. sci. analyst, div. vital statist, U.S. Bur. Census, 42-47; statistician, UN STATIST. OFF. 47-62. CHIEF DEMOG. & SOC. STATIST. BR. 62- Ed. Demog. Yearbook. Pop. Asn; Statist. Asn; fel. Pub. Health Asn; Int. Union Sci. Study Pop. Demographic and social statistics; methodology of data collection. Address: 510 E. 23rd St, New York, N.Y. 10010.

POWELL, DR. N(ORMAN) J(OHN), b. New York, N.Y., Sept. 28, 08; m. 32; c. 2. POLITICAL SCIENCE. B.S. N.Y. Univ. 28; M.A. Columbia, 29, Ph.D. 36. Psychologist, Psychol. Corp. 29-30; examr. State Dept. Civil Service, N.Y. 30-31; psychologist, Sing Sing Prison, 31-36; examr. New York Civil Serv. Cmn, 36-39, dir. res. 39-41, classification & res. 41-42; instr. GOVT. CITY COL. NEW YORK, 42-46, asst. prof. 47-51, ASSOC. PROF. 52- Vis. prof. New Mexico, 50. Consult. State Dept. Civil Serv. R.I. 39-40, N.H. 42; Off. Price Admin. 44; State Legis. N.Y. 44-45; Phila. Coun. Soc. Agencies, Pa, 45; Welfare Coun. N.Y. 47-48; Community Chests & Couns, 49; State Bd. Higher Ed. N.Y. 52-56; Inst. Int. Ed. 54-55. Polit. Sci. Asn; Soc. Pub. Admin; Asn. Pub. Opinion Res. Public opinion and politics; public administration. Publ: Anatomy of public opinion; Personnel administration in government; Responsible public bureaucracy in the United States, Allyn & Bacon, 67. Address: Dept. of Political Science, Bernard M. Baruch School of Business & Public Administration, City College of New York, New York, N.Y. 10010.

POWELL, PROF. RAYMOND P(ARK), b. Spokane, Wash., Jan. 20, 22; m. 43; c. 2. ECONOMICS. A.B. California, 42, Soc. Sci. Res. Coun. fel. 51-52, Ph.D. (econ), 52. Asst. prof. econ. YALE, 52-59, assoc. prof. 59-63, PROF. ECON. 63-, McNEIL PROF. RUSSIAN STUDIES, 67- Ford Found. faculty fel. 58-59; Am. Coun. Learned Soc. fel. 63-64; Nat. Sci. Found. grant, 67-68. Consult. Rand Corp. 54-56. U.S.A.A.F. 42-45, Lt. Econ. Asn. Soviet economics. Publ: A materials-input index of Soviet construction, 1927-1955, Rand Corp. 57; co-auth. The Soviet capital stock, 1928-1962, Irwin, 66; auth. Industrial production, In: Economic trends in the Soviet Union, Harvard, 63. Address: Dept. of Economics, Yale University, New Haven, Conn. 06520.

POWELL, PROF. REED M(ADSEN), b. Provo, Utah, Sept. 11, 21; m. 45; c. 5. BUSINESS ADMINISTRATION, MANAGEMENT SCIENCE. B.S. Brigham Young, 46, M.S. 47; Int. Am. Inst. Agr. Sci. fel. & Int. Inst. Ed. scholar, Mich. State, 48-49, Ph.D. 51; Harvard, 57-58, Asst. Mich. State, 47-50; from instr. to assoc. prof. sociol. Oklahoma, 50-57, chmn. dept. 55-57; mem. faculty, grad. sch. bus. admin. Harvard, 58-59; assoc. head exec. progs. & conf. grad. sch. bus. admin. California, Los Angeles, 60-61, dir. exec. vertical mobility res. proj. & assoc. res. behav. scientist, 61-65; PROF. BUS. ORGN. & RES. & HEAD MGT. SCI. OHIO STATE, 65- Summer lectr. Brit. execs, Cambridge, 65 & 66. Adv. Select Cmt. Small Bus. U.S. Senate, 67-68. Mem. sr. adv. bd. MacMillan Ltd, London, 66-68. Fel. Sociol. Asn; Acad. Mgt; Indust. Rels. Res. Asn; Nat. Coun. Small Bus. Mgt. Develop; Int. Univ. Contact Mgt. Ed. Behavioral science. Publ: The role and impact of the part-time university program in executive education, Grad. Sch. Bus. Admin, Univ. California, Los Angeles, 62; How men get ahead, Nation's Bus, 64; Purchasing, In: Cowles Comprehensive Encyclopedia, 1/67. Address: 4331 Donington Rd, Columbus, Ohio 43221.

POWELL, DR. ROBERT W, b. Philadelphia, Pa., Nov. 8, 34; m. 56. PSYCHOLOGY. B.A. Nanzan Univ. Japan, 58; M.A. Temple, 60; Ph.D. (psychol), Fla. State, 66. Clin. psychologist, State Correctional Inst. Phila, 59-61, chief psychologist, 61-62; clin. psychologist, Phila. State Hosp, 62-63; ASST. PROF. BEHAV. SCI. SOUTH FLORIDA, 66- Res. consult. Hillsborough County Hosp. & Welfare Bd, Tampa, Fla, 67- U.S.A.F. 54-58. AAAS; Psychol. Asn. Control of behavior by aversive consequences employing operant conditioning procedures; comparative behavioral studies of wild and domesticated species. Publ: Escape and avoidance conditioning in lizards, Psychol. Reports, 4/67; The pulse-to-cycle fraction as a determinant of critical-flicker-fusion in the pigeon, 4/67 & co-auth. Critical-flicker-fusion thresholds as a function of very small pulse-to-cycle fractions, 1/68, Psychol. Record. Address: Dept. of Behavioral Science, University of South Florida, Tampa, Fla. 33620.

POWELL, DR. SUMNER C(HILTON), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

POWELL, DR. THEODORE, b. Brooklyn, N.Y., Feb. 2, 19; m. 46; c. 4. PUBLIC ADMINISTRATION. A.B. Colgate, 48; M.A. Hopkins, 49, Ph.D. (polit.

sci), Columbia, 58. Asst. instr. Hopkins, 48-49; res. acct. exec. Facts, Inc. 50-51; prod. supvr. Newsreel Prod. Co, 51-52; dir. pub. rels. Mass. T.B. & Health League, 52-54; consult. Conn. State Dept. Ed. 54-64, aide. Study Cmn. Higher Ed, 64-65; EXEC. OFFICER, BD. REGIONAL COMMUNITY COLS, 65- Prof. eve. col. Hartford, 58-65. Legis. consult. joint cmt. ed. Conn. Gen. Assembly, 65; consult. Nat. Conf. Christians & Jews, 60-65. U.S.A. 41-45, S/Sgt. American government; legislative process. Publ: Long rescue, Doubleday, 60, School bus law, Wesleyan Univ. 60; Democracy in action, Macmillan, 62. Address: 1 Niles St, Hartford, Conn. 06040.

POWELL, PROF. WHITON, b. Silver Springs, N.Y., Sept. 21, 03; m. 27; c. 4. BUSINESS MANAGEMENT. A.B. Cornell, 24, M.S. 25, Ph.D. (bus. mgt), 29. Asst. prof. acct. Lehigh, 28-29; assoc. agr. economist, U.S. Dept. Agr. 29; agr. economist, U.S. Fed. Farm Bd, 30; PROF. BUS. MGT. N.Y. STATE COL. AGR. CORNELL, 30-, COL. AGR. LIBRN, 47-, ASST. DIR. UNIV. LIBRARIES, 59- Sr. agr. economist, U.S. Farm Credit Admin. 37-38. Consult. col. agr. Univ. Philippines, 64-65, 67. Library Asn. Library management; business management of farmers' cooperatives; accountancy. Publ: Statistical handbook of farmers' cooperatives; Cost of operating a retail feed store; How to make and use financial statements. Address: Albert R. Mann Library, Ithaca, N.Y. 14850.

POWELSON, PROF. JOHN P(ALEN), b. New York, N.Y., Sept. 3, 20; m. 53; c. 5. ECONOMICS. A.B. Harvard, 41, fel. 46-48, A.M. 47, Ph.D. 51; M.B.A. Pennsylvania, 42. Jr. acct. Haskins & Sells, 42-44; instr. acct. Pennsylvania, 44-45; sr. acct. Price, Waterhouse & Co, 48-49; asst. prof. acct. Buffalo, 49-50; economist, Int. Monetary Fund, 50-54, asst. chief training, 54-58; prof. econ. develop. inst. int. develop. sch. adv. int. studies, Hopkins, 58-64, lectr. Latin Am. affairs, 60-64; PROF. econ. develop. Pittsburgh, 64-66; ECON. COLORADO, 66- Adv. Govt. Bolivia, 49-60; dir. prog. nat. accounts, Latin Am. Monetary Studies Center, Mexico City, 63-64; consult. Inter-Am. Develop. Bank, D.C. 67-68. Econ. Asn; Soc. Int. Develop. International finance; economic development and problems of Latin America. Publ: National income and flow-of-funds analysis; Latin America: today's economic and social revolution. McGraw. 64; ed. The disciplines of national development, Praeger, (in press). Address: Dept. of Economics, University of Colorado, Boulder, Colo. 80302.

POWER, DR. MARY SUSAN, b. Hazleton, Pa. July 5, 35. POLITICAL SCIENCE. B.A. Exeter, 57; Yale, 57-58; M.A. Stanford, 59; Ph.D. (polit. sci). Illinois, 61. Asst. prof. polit. sci. Susquehanna, 61-65; ASSOC. PROF. POLIT. THEORY, ARKANSAS, 65- American political theory; American political philosophy. Address: Dept. of Government, Graduate School, University of Arkansas, Fayetteville, Ark. 72701.

POWER, DR. PAUL F(REDERICK), b. Wilmington, Del. Jan. 1, 25; m. 49; c. 4. POLITICAL SCIENCE. B.A. Yale, 48; Ph.D. (polit. sci). N.Y. Univ. 60. Personnel mgt. 49-56; asst. prof. POLIT. SCI. St. Michael's Col. 58-61; ASSOC. PROF. CINCINNATI, 61- U.S.A.A.F. 43-46, Sgt. Int. Studies Asn; Asn. Asian Studies; fel. African Studies Asn. Foreign policies of Afro-Asian states; Indian studies; selected aspects of American foreign policy. Publ: Toward a reevaluation of Gandhi's political thought, West. Polit. Quart. 3/63; Afro-Asian solidarity movement, Mizan, 1-2/67; India and Vietnam, Asian Survey, 10/67. Address: Dept. of Political Science, University of Cincinnati, Cincinnati, Ohio 45221.

POWER, DR. THOMAS F, JR, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

POWERS, PROF. DOUGLAS FULLER, b. Morristown, Tenn. Sept. 3, 20; m. 49; c. 3. CHILD PSYCHIATRY. B.S. Tennessee Tech, 43; M.D. Baylor, 47; M.S. Virginia, 49. Dir. Bristol Ment. Health Clin, Va-Tenn. 58-59; asst. prof. CHILD PSYCHIAT. & dir. dept. sch. med. Vanderbilt, 60-61; assoc. prof. MED. COL. VA, 61-67, PROF. 67-; DIR. VA. TREATMENT CENTER CHILDREN, 61- Vis. lectr. sch. ed. Richmond Prfl. Inst. 62-; Curry Mem. Sch. Ed. Univ. Virginia, 66- U.S.A. 43-46; U.S.A.F. 51-58, Maj. Am. Med. Asn; Orthopsychiat. Asn. Effect of psychiatric treatment of emotionally disturbed children and adolescents. Publ: Co-auth. Your health and safety, Harcourt, 6th ed, 68; auth. Teaching programs in child psychiatry, Ment. Health Va, spring 65; Viewpoints, Med. Aspects Human Sexuality, 1/68. Address: 515 N. Tenth St, Richmond, Va. 23219.

POWERS, EDWIN, b. New York, N.Y., Feb. 19, 96; m. 31; c. 3. PSYCHOLOGY. A.B. Williams Col, 19; LL.B. N.Y. Law Sch, 24; A.M. Dartmouth Col, 30. Tutor, Robert Col, Constantinople, 19-21; law clerk, N.Y. 21-25; lawyer, 25-27; from instr. to asst. prof. psychol. Dartmouth Col, 27-37; Cambridge-Somerville Youth Study, 37-41, dir. 41-47; dir. res. United Prison Asn, 52-55; dep. cmnr. Mass. Dept. Correction, 56-66, asst. dir. New Eng. manpower & training proj. New Eng. Bd. Higher Ed, 66-67; RETIRED. Researcher, State Prison Colony, Norfolk, Mass, 33-35. U.S.N. 17-18, Ens. Psychol. Asn; Sociol. Asn. Legal psychology; criminology; juvenile delinquency. Publ: Co-auth. Experiment in delinquency prevention; auth. Crime and punishment in early Massachusetts, Beacon, 66. Address: P.O. Box 442, West Yarmouth, Mass. 02673.

POWERS, PROF. FRANCIS F(OUNTAIN), b. Hastings, Nebr. Sept. 12, 01; m. 26. PSYCHOLOGY. A.B. Washington (Seattle), 23, Ph.D. 28; fel. Oregon, 25-27, A.M. 27. Teacher Latin, Moran Sch. 22-25; instr. Ed. WASHINGTON (SEATTLE), 28-30, asst. prof. 30-35, assoc. prof. 35-39, PROF. 39-, DIR. OFF. PUB. & SPEC. PROJIS, 66-, dean col. ed. 39-61, dir. ed. res. 61-66. AAAS; Psychol. Asn. Language learning; psycho-economics. Publ: Co-auth. Educational psychology, Ronald, 50; auth. Check lists for evaluating research projects in education, Northwest Asn. Sec. & Higher Schs, 66. Address: Office of Publications & Special Projects, 303 Miller Hall, College of Education, University of Washington, Seattle, Wash. 98105.

POWERS, DR. G(RADY) PAT, b. Ramer, Tenn. Dec. 22, 32; m. 50; c. 1. PSYCHOLOGY. B.S. Oklahoma, 56, M.S. 58; Ed.D. (indust. ed. & counseling psychol), Missouri, 61. Teacher, high sch, Tex, 56-57; instr. indust. ed. SOUTHEAST STATE COL, 57-59, asst. prof. ed. 61-62, ASSOC. PROF. ED. & PSYCHOL, 62-, dir. testing & counseling, 63-68. Psychol. Asn; Personnel & Guid. Asn. Psychological testing; psychology of learning; counseling;

vocational development. Publ: Co-ed, New vistas in psychology, 68 & auth, Sex education: directives and issues, (in press), Philos. Library; co-auth, Relationships between twin scales on the SVIB and the Kuder, J. Counseling Psychol., Vol. 10, No. 4. Address: Dept. of Education & Psychology, Southeastern State College, Durant, Okla. 74701.

POWERS, DR. JOHN A, b. Chicago, Ill, Oct. 16, 38. ECONOMICS, STATISTICS. B.S.C. DePaul, 61; Ford Found. fel. & Krannert fel, Purdue, 61-64, M.S. 63, Ph.D.(econ). 66. Grad. asst. ECON, Purdue, 61-62, instr. 62-64; asst. prof. CINCINNATI, 65-67, ASSOC. PROF, 67-; ECONOMIST, FED. DEPOSIT INS. CORP, 67-, Off. Comptroller of Currency, 67. Econ. Asn: Statist. Asn; Economet. Soc. Econometrics: statistical methods: micro-economic theory; monetary theory. Publ: Economics of scale and of structure in commercial banking, Fed. Reserve Bank Chicago, 1/67. Address: Dept. of Economics, College of Business Administration, Cincinnati, Ohio 45221.

POWERS, DR. MARGARET HALL, b. Kinnears Mills, Que, Mar. 22, 05; nat. CLINICAL PSYCHOLOGY. B.A. Wisconsin, 27; M.S. Chicago, 31; Ph.D. (clin. psychol), Iowa, 38. Psychologist, Inst. Juvenile Res, 28-30; Inst. Juvenile Res, State Reformatory for Women & Ill. Soldiers' & Sailors' Children's Sch, 31-35; asst. speech clin. & asst. res. & teaching, Iowa, 35-38; psychologist & speech pathologist, bur. child study, Chicago Bd. Ed, Ill, 38-48; DIR. speech correction, CHICAGO PUB. SCHS, 48-56, BUR. PHYSICALLY HANDICAPPED CHILDREN & DIV. SPEECH CORRECTION, 56-58. Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn; fel. Speech & Hearing Asn. Speech disorders; administration of public school speech correction programs; special education. Address: 1350 Astor St, Chicago, Ill. 60610.

POWERS, DR. MARY G. b. Hartford, Conn, Nov. 24, 32; m. 57; c. 1. SOCIOLOGY, DEMOGRAPHY. B.S. Cent. Conn. State Col. 55; M.A. Massachusetts, 57; Ph.D.(sociol). Brown, 63. Instr. sociol. Massachusetts, 57-58; statistician demog. U.S. Bur. Census, 62-65; asst. prof. SOCIOL. FORDHAM, 65-68, ASSOC. PROF, 68- Res. assoc. U.S. Pub. Health Serv. res. grant, Brown, 65-67; co-dir. res. bur. work progs. U.S. Dept. Labor, 67- Consult. small area statist. juvenile court delinquency proj. Fordham, 66-67. Sociol. Asn; Pop. Asn. Am; Int. Union Sci. Study Pop; Statist. Asn. Urban population studies focusing on social class and demographic factors; social and economic causes and consequences of urban poverty and their relation to various attempts at alleviation. Publ: Socio-economic heterogeneity in New England metropolitan residential areas, Can. Rev. Sociol. & Anthropol. 65; co-auth. Variations in socioeconomic structure by race, residence and life cycle. Am. Sociol. Rev. 2/65; auth. Socioeconomic status and the fertility of married women, Sociol. & Soc. Res. 7/66. Address: Dept. of Sociology & Anthropology, Fordham University, Rose Hill Campus, Bronx, N.Y. 10458.

POWERS, DR. RICHARD, b. Hopewell, Va, July 26, 16; m. 43; c. 2. ECONOMICS. B.S. Virginia, 44, Rockefeller fel, 44-46, M.A., 45, Ph.D.(econ), 47. Asst. prof. econ, Clemson Col, 46-48; assoc. prof. bus. admin, Wake Forest Col, 48-50; coordinator consult, Adv. Coun. on Va. Econ, 50-51; regional economist, Off. Price Stabilization, 51-52; dean faculty, Ala. Col, 52-57; v-pres. William Jewell Col, 57-58; asst. dir. combat ops. res. group, U.S. Continental Army Command, Ft. Monroe, Va, 59-62, dir. tech. res. adv. group, 62-65; consult, 65-67; DIR, CENTER TECH. & ADMIN, AMERICAN UNIV, 67- Consult, U.S. Steel Corp; U.S. Pipe & Foundry Co; Erwin Cotton Mills; Hayes Aircraft Corp; Planters Nut & Chocolate Co; Arabian Am. Oil Co; Lockheed Aircraft Corp; ed. adv. cmt, Appalachian Regional Cmn, 67-; Training Corp. Am, 67-; Nat. Center Ed. Statist, Off. Ed, 67-; Technomics, Inc, 67- Econ. Asn; Arbit. Asn. Economic theory; national income analysis; economic development; labor economics; personnel requirements for the Army. Publ: Point of view on the teaching of economics, Bull. Asn. Am. Cols; Problems of industrial development in an export economy; Manifesto for a liberal arts college, Ala. Col. Alumni Bull. Address: 118 Oak Rd, Williamsburg, Va. 23185.

POWERS, DR. RONALD C(LAIR), b. Wagner, S.Dak, Dec. 26, 34; m. 59; c. 3. RURAL SOCIOLOGY, ECONOMICS. B.S. Iowa State, 57, M.S. 60, Ph.D. (rural sociol). 63. Exten. youth asst. agr. IOWA STATE, 58-59, asst. rural sociol, 59-61, exten. sociologist, 61-67. HEAD DEPT. FAMILY ENVIRON, 67- Vis. lectr. Arizona, 64, 65; Manitoba Exten. Serv, 65, 66; vis. prof. Colorado State, 66, 67. U.S.A.R. 54-62. Sociol. Asn; Rural Sociol. Soc. Social action and social power structure: group leadership and small group interaction. Publ: Co-auth. Social action and interaction, Iowa State Univ. 66; auth. Background information in planning, 66 & Power actors and social change, part I & II, 67, J. Coop. Exten. Address: Dept. of Family Environment, Room 52 MacKay, Iowa State University, Ames, Iowa 50010.

POWERS, DR. S(AMUEL) C(EDRIC) E(ARLE), b. Kellogg, Iowa, Dec. 23, 93. POLITICAL SCIENCE. A.B. Iowa State Teachers Col, 23; A.M. Iowa, 28, Ph.D. 31. Supt. pub. schs, Iowa, 19-29; asst, Iowa, 29-31; head dept. polit. sci. & social, Henderson State Teachers Col, 31-64, dean, 39-64; RETIRED. State administration; Iowa state highway commission; governor of Iowa, a study in administration. Publ: Arkansas centennial; Brief history of Arkansas: Iowa state highway commission, Iowa J. Hist. & Polit. Address: 1500 Fair Park Blvd, Little Rock, Ark. 72204.

POWERS, THOMAS A(LGIE), b. Barberton, Ohio, July 2, 21; m. 43; c. 2. CLINICAL & EDUCATIONAL PSYCHOLOGY. B.A., Akron, 48; M.A., Kent State, 49; Ohio State, 50-51, 57-59. Staff psychologist, Columbus State Sch, Ohio, 49-53; chief psychologist, Clin. for Ment. Retarded, Columbus, 53-57; spec. ed. consult, State Dept. Ment. Hyg. & Corrections, 57-59; sch. psychol. diagnostician, Macomb County Bd. Ed, Mt. Clemens, 59-66, SPEC. ED. CONSULT, INTERMEDIATE SCH. DIST, MACOMB COUNTY, 66- Mem. Coun. Except. Children. U.S.A., 42-46, Med.Serv.C. Res, 46-65, Maj. Psychol. Asn; Asn. Ment. Deficiency; Nat. Ed. Asn. Learning disabilities; individual diagnosis and treatment; child growth and development. Address: 3624 Cumberland Rd, Berkley, Mich. 48072.

POWERS, PROF. WALTER L(EE), b. Ft. Worth, Tex, Sept. 17, 25; m. 46; c. 3. EDUCATIONAL & GUIDANCE PSYCHOLOGY. B.A., Linfield Col, 49; M.A., Colo. State Col, 52, Ed.D. 56. Teacher, pub. sch. Ore, 49-51; prin,

high sch, Colo, 52-54; assoc. prof. ED. & PSYCHOL., E.WASH. STATE COL, 54-62, PROF, 62-, acting dir. grad. studies, 59, dir. Nat. Defense Ed. Act Counseling & Guid. Inst, 66. Teacher ed. specialist, Peabody Col. Proj, Korea, 60-62; hon. prof, Kyungbuk Nat. Univ, 61-62; vis. Guilbenkian prof, Keele, 66-67; vis. lectr, Oxford, Wales & Reading, 66-67. Plenary address, Int. Roundtable Ed. Counseling, Austria, 67; mem, adminstrs. adv. cmt. ed. & voc. rehab, Vet. Admin, Wash, D.C, 67- U.S.N., 43-46. Psychol. Asn; Personnel & Guid. Asn. Attitudes of college students; counseling; elementary school guidance; group psychotherapy; cross-cultural problems in counseling, education and psychotherapy. Address: 25 N. Washington Court, Cheney, Wash. 99004.

POWNALL, DR. GEORGE A(LLEN), b. Canton, Ohio, Apr. 27, 30; m. 58; c. 2. SOCIOLOGY. B.S. Illinois State, 52, M.S., 57, Ph.D.(sociol), Illinois, 63. Teacher, elem. sch, Ill, 52-54; dir. & co-ed, Ill. Jr. Historian, Ill. State Hist. Soc, 55-56; res. asst. sociol, Illinois-Ford Found. proj, 58-62; asst. prof. sociol. & anthropol. & chmn. dept. sociol, Millikin, 62-64; asst. prof. SOCIOL, Maryland, 64-67, ASSOC. PROF, KENT STATE, 67- Res. consult, United Planning Orgn; res. asst, Illinois, 63-64; acting dir. res. D.C. Dept. Corrections, 65-67; dir. & prin. investr, U.S. Dept. Labor Res. contract, Maryland, 65-; consult, sch. criminal justice, State Univ. N.Y. Albany, 67. Consult, Sterling Inst, D.C, 67- Sociol. Asn; Correctional Asn; Nat. Coun. Crime & Delinquency; Acad. Polit. Sci; Soc. Study Social Probs. Criminology and corrections: role analysis of organizational members in the correctional process; organizational effectiveness; post-release factors relating to correctional effectiveness. Publ: Co-auth, District of Columbia youth center post-release outcome study: a two-year follow-up of inmates released in calendar year 1963, D.C. Dept. Corrections, 66 & Employment problems of released federal prisoners: a preliminary survey and analysis of released federal prisoners, Proc. Ninety-Sixth Ann. Cong. Corrections, Am. Correctional Asn, 67. Address: Dept. of Sociology, Kent State University, Kent, Ohio 44240.

POWRIE, DR. THOMAS LAWRENCE, b. Assiniboia, Sask, Mar. 30, 33; m. 57; c. 3. ECONOMICS. B.S.A. Saskatchewan, 54, M.A., 55; B.Phil, Oxford, 57, Rhodes & Can. Coun. fcls. & D.Phil, 62. Asst. ECON, Bank of Can, Ottawa, 57-58; asst. prof, ALBERTA, 59-64, ASSOC. PROF, 64- Assoc. dir. res. econ, Private Planning Asn. Can, 67-69. Can. Econ. Asn; Am. Econ. Asn; Royal Econ. Soc. Canadian international trade and payments; trade and development. Publ: Co-auth, Political and economic systems, Dent & Sons, 67; auth, Short-term capital movements and the flexible Canadian exchange rate 1953-1961, 64 & On buying cheap and selling dear: another note, 65, Can. J. Econ. & Polit. Sci. Address: Dept. of Economics, University of Alberta, Edmonton, Alta, Can.

POYTRESS, PROF. WILLIAM H, b. Birmingham, Eng, Apr. 2, 91; nat; m. 20; c. 2. ECONOMICS. A.M. California, 18. Teacher, high schs. & jr. cols, 19-23; asst. prof. soc. sci, SAN JOSE STATE COL, 23-25, assoc. prof, 25-29; head dept, 23-29, prof. ECON, 29-63, head dept, 29-50, chmn. div, 50-52. EMER. PROF, 63- Econ. Asn. Economic theory; history of economic thought; economic systems. Address: 19324 Monte Vista Dr, Saratoga, Calif. 95070.

POZNANSKI, PROF. TAD, Demog, see 10th ed, Soc. & Behav. Vols.

PRACHOWNY, DR. MARTIN FREDERICK JACOB, b. Troppau, Czech, July 9, 36; Can. citizen; m. 59. ECONOMICS. B.A., Toronto, 60; M.A. Michigan, 64, Ford Found. fel, 66-67, Ph.D.(econ), 67. ASST. PROF. ECON, QUEEN'S (ONT), 67- Can. Army, 56-63, Capt. Am. Econ. Asn; Can. Econ. Asn. International finance, chiefly balance-of-payments policies in industrial countries. Address: Dept. of Economics, Queen's University, Kingston, Ont, Can.

PRADO, DR. WILLIAM M(ANUEL), b. New York, N.Y., Oct. 20, 27; m. 53; c. 3. CLINICAL & SOCIAL PSYCHOLOGY. A.B. Hopkins, 50; M.A., Alabama, 53; Ph.D.(clin. & soc. psychol), Oklahoma, 59. Asst. psychol, adolescence & child adjust, Alabama, 51-53, instr. gen. psychol, exten. div, 53; clinician diag, psychother. & voc. counseling, psychol. clin, Oklahoma, 55-56; psychol. trainee diag, psychother, res. & voc. counseling, VET. ADMIN. HOSP, Tuscaloosa, Ala, 56-58, diag. & psychother, Oklahoma City, Okla, 58, superv. clin. psychologist, res. training, teaching & prog. coord, NORTH LITTLE ROCK, 58-62. ASST. CHIEF PSYCHOL. SERV, 62- Instr. eves, Little Rock Univ, 59-; St. Johns Sem, 63-67; grad. center, Arkansas, 63-; Philander Smith Col, 67- Private practice, 63- Psychol. Asn. U.S.A., 46-47. Personality and intelligence test validation; personal and social factors involved in mental illness; personality test factors in alcoholism and diagnosis of brain damage by psychological tests. Publ: Validation study of measures of flattened effect on the Bender-Gestalt test & Intellectual functioning among different psychiatric groups, 65, J. Clin. Psychol, Shipley-Hartford test as a screening technique, J. Clin. Psychol. & Psychological Reports, 65. Address: Ft. Roots Veterans Administration Hospital, Psychology Service, North Little Rock, Ark. 72114.

PRAGER, DR. JONAS, b. New York, N.Y., Nov. 5, 38; m. 63; c. 1. ECONOMICS. A.B. Yeshiva Col, 59; Ph.D.(econ), Columbia, 64. Instr. ECON, N.Y. UNIV, 62-64. ASST. PROF, 64- Vis. lectr. Bar-Ilan Univ, Israel, 65-67; vis. ar. economist, Bank of Israel, Jerusalem, 65-67. Am. Econ. Asn; Royal Econ. Soc. Monetary economics; microeconomic theory; economics of Israel. Address: Dept. of Economics, New York University College of Arts & Sciences, University Heights, Bronx, N.Y. 10453.

PRANGER, DR. ROBERT J, b. Waukesha, Wis, Nov. 6, 31; m. 80; c. 2. POLITICAL SCIENCE. B.A., California, Berkeley, 53, M.A., 57, Woodrow Wilson fel. & Ph.D.(polit. sci), 61. Res. asst. POLIT. SCI, California, Berkeley, 57-59; instr, Illinois, Urbana, 60-61, asst. prof, 61-65; Kentucky, 65-68, ASSOC. PROF, 66-68; WASHINGTON (SEATTLE), 68- Soc. Sci. Res. Coun. fel, 62-63. Res. asst, Brookings Inst, summer 58. Consult, Scott, Foresman Ed. Publishers, 67- U.S.A., 54-55. Polit. Sci. Asn. Citizenship and political action in political theory; nineteenth century political thought; science as a political community; political science method. Publ: Action, symbolism and order, Vanderbilt, 68; The eclipse of citizenship, Holt, 68; Marx

and political theory, *Rev. Polit.* 68. Address: Dept. of Political Science, University of Washington, Seattle, Wash. 98105.

PRASAD, DR. SRINIVAS BENJAMIN, b. Bangalore, India, Mar. 2, 32; m. 65; c. 2. MANAGEMENT. B.A. Mysore, 53, M.A. 54; M.B.A. Marquette, 58; Ph.D.(bus), Wisconsin, 63. Asst. prof. bus, Minnesota, 63-65; ASSOC. PROF. MGT, Nevada, 65-67; OHIO, 67- Acad. Mgt; Econ. Asn; Asn. Ed. Int. Bus. Comparative and international management. Publ: Co-auth, Management in international perspective, 67 & Comparative management, 69, Appleton; co-auth, Managerialism for economic development, Martinus-Nijhoff, 68. Address: Dept. of Management & Organization Behavior, Ohio University, Athens, Ohio 45701.

PRASOW, DR. PAUL, b. Philadelphia, Pa, Jan. 19, 15; m. 36; c. 1. ECONOMICS. B.S. Pennsylvania, 40, M.A. 42; Ph.D.(econ), Southern California, 48. Panel chmn. & mediation officer, Nat. War Labor Bd, Calif, 42-45; asst. prof. econ, Loyola (Calif), 46-47; indust. rels, Southern California, 47-50; exec. dir., Gov. Cmt. Wage Stabilization Bd, 51-53; acting prof. indust. rels, Stanford, 53-54; LECTR. PERSONNEL MGT. & INDUST. RELS, CALIFORNIA, LOS ANGELES, 56-, ASSOC. DIR, INST. INDUST. RELS, 65- Labor arbitrator, 46-; mediator, State Conciliation Serv, Calif, 53-55. Consult, pub. sch. systs, Calif, 46-48; Interstate Eng. Corp. Econ. Asn; Indust. Rels. Res. Asn; Nat. Acad. Arbit.(v.pres, 68). Industrial relations; arbitration and mediation; personnel relations; longitudinal study of automated and non-automated job patterns in the Los Angeles aerospace industry. Publ: Co-auth, The management of personnel and labor relations; Collective bargaining, arbitration and contract administration, McGraw, 69; Agricultural labor in the San Joaquin Valley. Address: Institute of Industrial Relations, University of California, 9339 Social Sciences Bldg, Los Angeles, Calif. 90024.

PRATHER, DR. CHARLES L(EE), b. Ashmore, Ill, Aug. 14, 99. ECONOMICS. B.Ed., East. Ill. State Col, 22, D.Pd, 49; A.M., Illinois, 23, Ph.D. 27. Instr., Illinois, 23-27; asst. prof., Pittsburgh, 27-29; prof., Syracuse, 29-43, 46; finance, Texas, Austin, 46-66; RETIRED. Econ. Asn; Finance Asn. (v.pres, 40, pres, 41). Banking and monetary theory. Publ: Money and banking; Financing business firms. Address: 2200 Parkway, Austin, Tex. 78703.

PRATT, DR. CAROLYN, Clin. Psychol, see 10th ed, Soc. & Behav. Vois.

PRATT, PROF. CARROLL C(ORNELIUS), b. North Brookfield, Mass, Apr. 27, 94; m. 23; c. 2. PSYCHOLOGY. A.B. Clark, 15, fel. & M.A. 16, fel, 19-21, Ph.D.(psychol), 21, hon. D.Sc. 48; fel, Cambridge, 19. Instr. exp. psychol, Clark, 20-22; psychol, Harvard, 23-27, asst. prof., 27-37; prof. & head dept, Rutgers, 37-45; dir. inst. philos. & psychol, Ankara, Turkey, 45-47; chmn. dept. PSYCHOL, PRINCETON, 47-54, prof., 47-62, EMER. PROF., 62-; PROF. & CHMN. DEPT, RIDER COL, 63- Guggenheim fel, Berlin, 31; dir. Army Spec. Training Prof, Harvard, 42-44; vis. prof., California, 59. Ed. Psychol. Rev, 47-53. Chmn. cmt. musical, Am. Coun. Learned Soci, 51- Psychol. Asn; Soc. Exp. Psychol; Soc. Aesthetics; Am. Acad. Arts & Sci. Experimental and theoretical psychology; aesthetics. Publ: The meaning of music, McGraw, 32; The logic of modern psychology, Macmillan, 39; Psychology, the third dimension war. Address: Dept. of Psychology, Rider College, Box 298, Trenton, N.J. 08602.

PRATT, DR. HENRY J, b. Detroit, Mich, July 19, 34; m. 60; c. 2. POLITICAL SCIENCE. A.B. Dartmouth Col, 56; M.P.A. Michigan, 59; Ph.D. Columbia, 62. Instr. POLIT. SCI, Wellesley Col, 61-64; ASST. PROF., EMORY, 64- Polit. Sci. Asn. American political process. Address: Dept. of Political Science, Emory University, Atlanta, Ga. 30322.

PRATT, PROF. JOHN WINSOR, b. Boston, Mass, Sept. 11, 31; m. 58; c. 2. STATISTICS, BUSINESS ADMINISTRATION. A.B. Princeton, 52; Ph.D. (statist), Stanford, 56. Res. assoc. statist, Chicago, 55-57; asst. prof. HARVARD, 57-61, assoc. prof. BUS. ADMIN, 61-66, PROF., 66- Fel. Statist. Asn.(ed. 65-69); Inst. Math. Statist; fel. Economet. Soc. Decision theory. Publ: Co-auth, Introduction to statistical decision theory, McGraw, 65; auth, Risk aversion in the small and in the large, Econometrica, 64; Bayesian interpretation of standard inference statements, J. Royal Statist. Soc, 65. Address: Graduate School of Business Administration, Morgan 343, Harvard University, Soldiers Field, Boston, Mass. 02163.

PRATT, DR. J(OSEPH) G(AITHER), b. Winston-Salem, N.C., Aug. 31, 10; m. 36; c. 4. PARAPSYCHOLOGY. A.B. Duke, 31, A.M. 33, Ph.D.(psychol), 36. Res. assoc. parapsychol. lab, Duke, 37-42; inspection engr, Ternstedt div, Gen. Motors Corp, Mich, 42-43; res. assoc. parapsychol. lab, Duke, 46-63; PARAPSYCHOL, DEPT. PSYCHIAT, VIRGINIA, 64-65, ASST. PROF., 66- U.S.N., 44-46, Lt. AAAS; Psychol. Asn; Parapsychol. Asn.(pres, 60, co-ed, J. Parapsychol). Bird navigation; parapsychology. Publ: Co-auth, Extrasensory perception after six years & Parapsychology: frontier science of the mind; auth, Parapsychology: an insider's view of ESP, Dutton, 66. Address: Box 152, Dept. of Psychiatry, University of Virginia Hospital, Charlottesville, Va. 22901.

PRATT, DR. KARL C(HAPMAN), b. Huntington, Ohio, Nov. 20, 99; m. 29; c. 1. PSYCHOLOGY. B.A. Ohio State, 23, M.A. 24, fel, 26-27, Ph.D.(psychol), 27. Instr. psychol, Ohio State, 27-28; N.Y. Univ, 28-30; Nat. Res. Coun. fel, Ohio State, 30-31; instr. PSYCHOL, CENTRAL MICHIGAN, 31-37, asst. prof., 37-43, assoc. prof., 43-44, PROF., 44-, CHMN. DEPT., 63-, col. testing prog, 33-48. Fel. AAAS; Psychol. Asn. Behavior of newborn infant; children's affective experiences; development of indeterminate number concepts. Publ: Behavior of the newborn infant; Neonate, Manual Child Psychol. Address: Dept. of Psychology, Central Michigan University, Mt. Pleasant, Mich. 48858.

PRATT, PROF. LOIS (VER VEER), b. Springfield, Mass, Nov. 22, 24; m. 44; c. 1. SOCIOLOGY. B.S. Connecticut, 48; M.A. Mich. State, 48; Scripps fel, 50; Ph.D.(sociol), Michigan, 55. Res. assoc. bur. appl. soc. res, Columbia, 51-53; dir. studies, comprehensive care & teaching prog, med. col, Cornell, 54-56; assoc. prof. SOCIOL, Fairleigh Dickinson, Madison, 56-67; PROF.,

CENTRAL MICHIGAN, 67- Ed. Univ. Woman. Sociol. Asn; Pop. Asn. Medical sociology; family sociology and fertility. Publ: Suburban downtown in transition; Social and psychological factors affecting fertility, Milbank Mem. Fund Quart; What patients expect from their doctors, Mod. Hosp. Address: 901 E. Maple St, Mt. Pleasant, Mich. 48858.

PRATT, PROF. ROBERT CRANFORD, b. Montreal, Que, Aug. 10, 26; m. 56; c. 2. POLITICAL SCIENCE. B.A. McGill, 47; Paris, 48; B.Phil, Oxford, 52. Vis. lectr. polit. sci, Makerere Col, Uganda, E. Africa, 54-56; asst. prof., McGill, 57-58; res. officer, Inst. Commonwealth Studies, Oxford, 58-60; asst. prof., TORONTO, 60-61; prin. Univ. Col, Dar es Salaam, 61-65; PROF. POLIT. SCI, TORONTO, 65-, CHMN. INT. STUDIES PROG, 68- Res. asst. to President, Nyerere, Tanzania, 65. Pres. Cmt. African Studies Can, 66-68. Can. Polit. Sci. Asn. African studies. Publ: Co-auth, Municipal labour relations in Canada & Buganda and British overrule; co-ed, New deal in Central Africa. Address: Dept. of Political Economy, University of Toronto, Toronto 5, Ont, Can.

PRATT, PROF. SAMUEL A(LEXANDER), b. Belfast, Ireland, Nov. 6, 19; nat; m. 44; c. 1. SOCIOLOGY. B.S. Connecticut, 42; Harvard, 43; M.A. Mich. State, 48; Metrop. & univ. fels, Michigan, 50-52, Ph.D.(sociol), 52. Res. assoc. sociol. bur. appl. soc. res, Columbia, 52-53; res. study dir, Int. Res. Assocs, 53-54; sr. assoc. Douglas Williams Assocs, 54-55; chmn. dept. bus. mgt, grad. sch., Fairleigh Dickinson, 55-58, dean Florham-Madison Campus, 58-66, prof. & asst. to chancellor, 66-67; PROF. SOCIOL, CENTRAL MICHIGAN, 67- U.S.A., 43-46. AAAS; Sociol. Asn. Metropolitan structure and expansion; Sociology of the arts; voluntary constructive action. Publ: Co-auth, Suburban downtown in transition; Metropolitan community development and change in sub-center economic functions, Am. Sociol. Rev; The impact of some regional shopping centers, J. Mkt. Address: 901 E. Maple St, Mt. Pleasant, Mich. 48858.

PRATT, DR. STEVE, b. Los Angeles, Calif, Feb. 16, 17; m. 53; c. 4. PSYCHOLOGY. B.A. California, 40; M.S. Purdue, 50, fel, 50-52, Ph.D.(clin. psychol), 52. Dir. guid. center, U.S. Civil Serv, 46-49; guest lectr, various Far East. Univs, 52-53; dir. psychol. serv, Larned State Hosp, Kans, 53-62 & 63-65, acting supt, 62-63; SUPT, JACKSONVILLE STATE HOSP, 65- U.S.A.A.F., 43-46, Lt. Psychol. Asn. Mental hospital organization; contract psychology; general systems theory; participant-social-action-research. Publ: Human actualization teams, Am. J. Orthopsychiat, 66; Contract psychology and the actualizing transactional-field, In: Morality and mental health, Rand McNally, 67; Action psychology, J. Psychol. Studies, 68. Address: Jacksonville State Hospital, Jacksonville, Ill. 62650.

PRAY, PROF. JOSEPH C(RIM), b. Milwaukee, Wis, Feb. 6, 11; m. 52; c. 2. GOVERNMENT. A.B. Mich. State Norm. Col, 31; A.M. Michigan, 35; fel, American Univ, 36-37; Ph.D. Harvard, 38. Instr. GOVT, OKLAHOMA, 38-39, asst. prof., 39-42, 45-46, assoc. prof., 46-48, PROF., 48-, assoc. dean grad. col, 48-52. Consult. nat. elections, Am. Broadcasting Co, 64 & 68. Ed. Catalog Okla. State Progs. Individual & Community Develop, Okla. Div. Econ. Opportunity, 67. U.S.N.R., 42-45, Lt. Comdr. Polit. Sci. Asn; Soc. Public Admin. Public financial administration; post-appropriation budgetary control in Oklahoma; legislation, public administration. Publ: Co-auth, The new perspective of legislative apportionment in Oklahoma, 62 & Oklahoma votes, 1907-1962, 64, Bur. Govt. Res, Univ. Oklahoma. Address: Dept. of Political Science, University of Oklahoma, Norman, Okla. 73039.

PRECKER, DR. JOSEPH A(LEXANDER), b. New York, N.Y., May 15, 25. PSYCHOLOGY. B.S.S. City Col. New York, 46; Ph.D.(psychol), Columbia, 51; State Univ. N.Y., 55-57. Asst. prof. psychol, Bard Col, 47-52; dir. res, Chas. Pfizer & Co, Inc, 53-55; asst. neuroanat, col. med, State Univ. N.Y., 55-57; dir. res, J. Walter Thompson Co, Detroit, 57-60; V.PRES, RAYMOND LOEWY/W.M. SNAITH, 61-63; pres, Nepal Corp, 63-67; FAR EAST DIR, INT. RES. ASSOCS, 67-, V.PRES, 68- Assoc. Columbia, 51-55. Consult, Chas. Pfizer & Co, 55-58. AAAS; Psychol. Asn; N.Y. Acad. Sci. Behavioral science; values; psychotherapy; innovation. Publ: Toward a theoretical brain model; Values, social distance and destiny; co-ed, Success in psychotherapy. Address: International Research Associates-Asia, P.O. Box 22, Akasaka, Tokyo, Japan.

PREECE, RICHARD MATHESON, b. Atherton, Australia, Jan. 25, 27; U.S. citizen; m. 57; c. 5. POLITICAL SCIENCE, HISTORY. B.S.F.S. Georgetown, 54, M.A. 60; Hopkins Sch. Adv. Int. Studies, 61-68. Res. analyst N. Europe, U.S.S.R. & Can, higher latitudes res. group, Georgetown, 55-56; int. res. analyst, U.S. Dept. Navy, 56-61; MEM. PREFNL. STAFF AFRICA, RES. ANAL. CORP, McLean, Va, 66- U.S.A.F., 45-48 & 50-51, T/Sgt. Polit. Sci. Asn; Acad. Polit. & Soc. Sci; African Studies Asn; Mid. East Inst. Political, social and economic trends in sub-Saharan Africa, Arabian Peninsula; political and economic development, modernization and change; stability, instability, revolution and violence; security; potentials for internal and intraregional conflict; foreign relations. Publ: Co-auth, The Canadian North, Off. Naval Res. 56 & The tropical African environment in the decade ahead, Res. Anal. Corp, 68; auth, The traditional state of Uman, SAIS Rev, Johns Hopkins, 65. Address: 2702 36th St, N.W., Washington, D.C. 20007.

PREHN, DR. JOHN W(ILFORD), b. Harvard, Ill, Apr. 7, 37; m. 60; c. 3. SOCIOLOGY, ANTHROPOLOGY. B.A. Macalester Col, 59; Nat. Defense Ed. Act fel, Iowa, 59-62, M.A. 60, Ph.D.(sociol), 64. Instr. SOCIOL, Puget Sound, 62-64; asst. prof., GUSTAVUS ADOLPHUS COL, 64-67, ASSOC. PROF., 67- Sociol. Asn; Pop. Asn. Am. Social mobility; internal migration; collective behavior; urbanization; human ecology. Publ: Co-auth, An axiomatic theory of urbanization, Am. Sociol. Rev, 12/62; auth, Vertical mobility and community type as factors in the migration of college graduates, Abstract, Pop. Index, 7/66; Vertical mobility and community type as factors in the migration of college graduates, Demography, Vol. 4, No. 1. Address: 712 N. Swift St, St. Peter, Minn. 56082.

PREISER, DR. THEODORE H(ERMAN), b. New York, N.Y., Jan. 8, 99; m. 38; c. 4. ACCOUNTING, JURISPRUDENCE. B.C.S. N.Y. Univ, 21; LL.D. Hebrew Univ, Israel, 42; M.B.A. City Col. New York, 56. Comptroller, B.D.

Kaplan & Co, Inc, 25-35; pub. acct. adv, 35-48; Saxony Wool Corp, 49-50; prinl. cost analyst, 50-51; supv. auditor, Army Audit Agency, U.S. Dept. Defense, 51-60; ASSOC. PROF. MATH, MITCHEL COL, LONG ISLAND, 60-69; Preiser Found, 58- Sr. accountant, Kesselman & Kesselman, 42; food controllers staff, Govt. of Palestine, 43-44. Math. Soc; Statist. Assn. Guaranteed annual wage. Publ: Consolidated war risks insurance legislation; Accounting and tax implications of the guaranteed annual wage. Address: Harry Preiser Foundation, 334 W. 85th St, New York, N.Y. 10024.

PREISS, DR. JACK J (OSEPH), b. New York, N.Y., Dec. 20, 19; m. 46; c. 3. SOCIOLOGY. A.B., Dartmouth Col, 40; M.A. Columbia, 51; Ph.D. Mich. State, 54. Res. assoc., Missouri, 54-55; lectr., Brown, 55-56; asst. prof. SOCIOL. & ANTHROP. Mich. State, 56-59; ASSOC. PROF. DUKE, 59- Ruesel Sage Found. res., Bradley Home, R.I., 55-56. Assoc. Nat. Training Labs. Inst. Appl. Behav. Sci., 63- U.S.A.A.F., 42. Fel. Sociol. Assn; Rural Sociol. Soc. Role theory and measurement of role performance; bureaucracy and social organization; medical sociology. Publ: Co-auth, Rural social systems and adult education; co-ed, Human organization research; co-auth, An examination of role theory, Univ. Nebraska Press, 5/66. Address: Dept. of Sociology & Anthropology, Duke University, Durham, N.C. 27706.

PRELINGER, DR. ERNST, b. Vienna, Austria, Sept. 7, 26; nat; m. 50; c. 4. PSYCHOLOGY. Ph.D. Vienna, 48. Staff psychologist, psychol. clin. Fed. Employ. Serv., Austria, 48-50; instr. psychol., Pittsburgh, 50-51; Brooklyn Col, 51-52; CLIN. PSYCHOLOGIST, DEPT. UNIV. HEALTH, YALE, 56-, ASSOC. CLIN. PROF. PSYCHIAT, SCH. MED., 64-, asst. clin. prof., 60-64. Consult, Vet. Admin., 60- Psychiat., Am. Bd. Exam. Prinl. Psychol., 55. Med. Serv. C, 52-56, 1st Lt. Psychol. Assn. Psychological theory; personality development in adolescence; psychotherapy; psychoanalytic ego psychology. Publ: Co-auth, Children tell stories, Int. Univ. Press, 63; auth, Ego-psychological approach to character assessment, Macmillan, 64; Identity diffusion and the synthetic function, In: Psychosocial problems of college men. Address: Box 1505-A, Yale Station, New Haven, Conn. 06520.

PRELL, PROF. ARTHUR ELY, b. Los Angeles, Calif., Mar. 2, 24; m. 49. SOCIOLOGY, ANTHROPOLOGY. B.S., U.S. Merchant Marine Acad, 43; B.A., Redlands, 48; M.A., Washington (St. Louis), 49. Instr. sociol., Minnesota, 49-50, 52-53; sociol. & anthrop., New Hampshire, 53-55; asst. prof. sociol., Washington (St. Louis), 55-57; exec. v.pres. & dir. media & res., French Advert., Inc., 57-63; DIR. BUS. RES. BUR. & PROF. MKT., SOUTHERN ILLINOIS, 63- Consult. sociologist, 53- U.S.N.R., 43-45, 50-52, Lt. Sociol. Assn; Anthrop. Assn; Mkt. Assn; Mgt. Assn; Statist. Assn. Disaster; criminology and penology; industrial sociology. Publ: Co-auth, Market strategy, Appleton, 68; Does the punishment fit the crime?, Am. J. Sociol.; Disaster report on the New England hurricanes, Civil Defencer. Address: 1800 W. Freeman, Carbondale, Ill. 62901.

PREMACK, PROF. DAVID, b. Aberdeen, S.Dak., Oct. 26, 25; m. 51; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A., Minnesota, 49, M.A., 51, Ford Found. fel., 53-54, Ph.D.(exp. psychol.), 55. Instr. psychol., Minnesota, 52-53; asst. exp. psychol., Yerkes Labs. Primate Biol., 54-55; asst. prof. & res. assoc., Missouri, Columbia, 55-56, U.S. Pub. Health Serv. res. fel., 56-59, prin. investr., Nat. Inst. Ment. Health Grant, 59-65; PROF. PSYCHOL., CALIFORNIA, SANTA BARBARA, 65- U.S.A., 43-46. AAAS; Ecol. Soc. Quantitative behavior theory; response laws; comparative psychology. Address: Dept. of Psychology, University of California, Santa Barbara, Calif. 93106.

PRENTICE, PROF. J (AMES) S (TUART), Econ, see 10th ed, Soc. & Behav. Vols.

PRENTICE, EDWARD SUMNER, Int. Econ, see 10th ed, Soc. & Behav. Vols.

PRENTICE, DR. NORMAN M (ACDONALD), b. Yonkers, N.Y., Feb. 25, 25; m. 53; c. 1. CLINICAL PSYCHOLOGY. A.B., Princeton, 49; M.A., Harvard, 52, Ph.D.(clin. psychol.), 56; fel. Mass. Gen. Hosp., 53-55. Clin. psychol. intern. Vet. Admin., 50-54; consult. psychol. testing, Phillips Exeter Acad., 55-56; chief adolescent sect., dept. psychiat., Children's Hosp., Boston, Mass., 57-58; psychologist, Judge Baker Guid. Center, Mass., 58-62, coordinator training, 63-65; ASSOC. PROF. PSYCHOL. & ED., TEXAS, AUSTIN, 65- U.S. Pub. Health Serv. fel., 55-57; res. assoc., Harvard, 56-65. Consult. Mass. Youth Serv. Bd. Reception-Detention Center, 56-65; consult. psychologist, Phillips Exeter Acad., 57-59; consult. Vet. Admin., 66- Dipl. clin. psychol., Am. Bd. Exam. Prinl. Psychol., 62. Am. Acad. Arts & Sci; Orthopsychiat. Assn; Soc. Proj. Tech. & Personality Assessment. Psychodiagnostic techniques; treatment and research with the emotionally disturbed child and parent; training in child clinical and school psychology. Publ: Co-auth, Intelligence and delinquency: a reconsideration, J. Soc. Psychol., 63; auth, Individual achievement testing of children with learning problems: a clinical guide, J. Proj. Tech. & Personality Assessment, 64; co-auth, Therapeutically oriented tutoring of children with primary neurotic learning inhibitions, Am. J. Orthopsychiat., 65. Address: Dept. of Psychology, University of Texas, Austin, Tex. 78712.

PRENTICE, VIRGINIA LEE, Geog, see 11th ed, Phys. & Biol. Vols.

PRENTICE, PRES. W (ILLIAM) C (OURTNEY) H (AMILTON), b. East Aurora, N.Y., Aug. 4, 15; m. 39; c. 4. PSYCHOLOGY. B.A., Swarthmore Col, 37; Rhodes scholar, Oxford, 37-38; M.A., Harvard, 41, Ph.D.(psychol.), 42. Asst. psychol., Harvard, 38-40; instr. Col. of William & Mary, 40; tutor, Radcliffe Col., 40-41; instr., Vermont, 41-42; Swarthmore Col., 42-43; Hopkins, 43-44; res. psychologist, Nat. Defense Res. Coun. proj., Princeton, 44-45; U.S. Dept. Air Force & Nat. Defense Res. Coun. proj., Wisconsin, 45; from instr. to asst. prof. psychol., Hopkins, 45-47; Swarthmore Col., 47-49, assoc. prof., 49-54, chmn. dept. psychol., 53-56, prof., 54-62, dean, 56-62; PRES., WHEATON COL., 62- Guggenheim fel., 52-53. Consult. Cmn. on Tests, 66. Mem. cmt. exam., Col. Entrance Exam. Bd., 62-, chmn., 67; mem. sci. adv. panel, Res. to Prevent Blindness Inc., 62. Fel. AAAS; Psychol. Assn. Human visual perception. Publ: Vision; Learning; Motivation. Address: Wheaton College, Norton, Mass. 02766.

PREHN, DR. JOHN W (ILFORD), b. Harvard, Ill., Apr. 7, 37; m. 60; c. 3. SOCIOLOGY, ANTHROPOLOGY. B.A., Macalester Col, 59; Nat. Defense Ed.

Act fel., Iowa, 59-62, M.A., 60, Ph.D.(sociol.), 64. Instr. SOCIOL., Puget Sound, 62-64; asst. prof., GUSTAVUS ADOLPHUS COL., 64-67, ASSOC. PROF., 67- Sociol. Assn; Pop. Assn. Am. Social mobility; internal migration; collective behavior; urbanization; human ecology. Publ: Co-auth, An axiomatic theory of urbanization, Am. Sociol. Rev., 12/62; auth, Vertical mobility and community type as factors in the migration of college graduates, Abstract, Pop. Index, 7/66; Vertical mobility and community type as factors in the migration of college graduates, Demography, Vol. 4, No. 1. Address: 712 N. Swift St., St. Peter, Minn. 56082.

PRESCOTT, PROF. DANIEL A (LFRED), b. Manassas, Va., Mar. 18, 98; m. 50. EDUCATIONAL PSYCHOLOGY. B.S., Tufts, 20; Ed.M., Harvard, 22, Ed.D., 23. Instr. ment. hyg. & ed. psychol., Harvard, 23-27; lectr. & res. assoc. ment. hyg. & tests & measurement, Inst. J.J. Rousseau, Geneva, 27-28; assoc. prof. psychol., sociol. & founds. ed., Rutgers, 28-29, prof., 29-39; human develop. & psychol. adolescence, Chicago, 39-47; PROF. HUMAN DEVELOP. ED. & DIR. INST. CHILD STUDY, MARYLAND, 47- Res. investr., Gen. Ed. Bd., 31-32; lectr. & res. assoc., California, 37-38; Fulbright lectr., Kindergarten Training Cols., Australia, 62-63. Consult. U.S. Dept. State, India, Nepal & Thailand, 60-61, Malaysia, Zanzibar & Tanganyika, 63; pub. schs., Omaha, 64-67, Cent. Atlantic Regional Ed. Lab., 67- Mem. Nat. Cmt. Early Childhood Ed., 55- U.S.A., 17-18. AAAS; fel. Psychol. Assn; Sociol. Assn. Implications of available scientific knowledge about human behavior, development, learning and adjustment for the educative process. Publ: Emotion and the educative process 38 & Helping teachers understand children 45, Am. Coun. Ed.; Child in the educative process, McGraw, 58. Address: Central Atlantic Regional Educational Lab, 1200 17th St, N.W., Washington, D.C. 20036.

PRESCOTT, PROF. FRANK WILLIAMS, b. Deerfield, N.H., Nov. 18, 96. GOVERNMENT. A.B., New Hampshire, 19; A.M., Wisconsin, 21, Ph.D., 25. Asst. prof. hist. & polit. sci., Tulane, 25-28; prof. city govt. & head Adolph S. Ochs dept., Chattanooga, 28-67; RETIRED. Soc. Sci. Res. Coun. grant, 31. Acad. Polit. & Soc. Sci. Assessment and equalization of taxes in Tennessee; the executive veto in American states; footnote in Georgia's constitutional history; item veto of the governors. Address: Dept. of Government, University of Chattanooga, Chattanooga, Tenn. 37403.

PRESCOTT, DR. JAMES W, b. Eureka, Ill., Jan. 21, 34. PSYCHOLOGY, DEVELOPMENTAL BEHAVIORAL BIOLOGY. B.S., Marquette, 56; M.S., New Mexico Highlands, 57; Ph.D.(psychol.), McGill, 64. Res. asst. psychol., Human Resources Res. Off., 57-59; res. psychologist, Douglas Hosp., Verdun, Que., 59-62; res. assoc. psychologist, med. sch., George Washington, 62-63; asst. head physiol. psychol. br., psychol. sci. div., Off. Naval Res., 63-66; HEALTH SCIENTIST ADMINSTR., NAT. INST. CHILD HEALTH & HUMAN DEVELOP., 66- Consult., Naval Med. Res. Lab., 65- Dept. Defense Cmt. Polygraph Res., 65-66. U.S.A., 57-59. AAAS; Psychol. Assn; Soc. Psychophysiol. Res; Soc. Psychol. Study Soc. Issues; Psychomet. Soc. Biological mechanisms of behavior associated with developmental processes. Publ: Neural timing mechanisms, conditioning, and the conditioned stimulus-unconditioned stimulus interval; Critical issues in conditioning theory and research; co-auth, Central nervous system functioning in altered sensory environments, In: Invited commentary in psychological stress, Appleton, 67. Address: National Institute of Child Health & Human Development, Bldg. 12A, Room 3013, Bethesda, Md. 20014.

PRESHING, DR. WILLIAM ANTHONY, b. Edmonton, Alta., Apr. 24, 29; m. 59; c. 2. MARKETING, MANAGEMENT. B.Ed., Alberta, 52, B.A., 57; M.B.A., Western Ontario, 56; Ph.D.(mkt), Illinois, Urbana, 65. Salesman, Farvil Corp., 56-57; asst. prof. commerce, Alberta, 57-62; asst. dean commerce, CALGARY, 62-63, assoc. prof., 65-67, MEM. SPEC. STUDIES STAFF, OFF. PRES., 67- Pres., William A. Preshing & Assocs., Ltd., consult. 66- Mkt. Assn; Sales & Mkt. Execs. Int. Management development, particularly in relation to long range corporate development and planning. Publ: Cases for managerial decision, W.J. Gage, 64; Canadian marketing and the law, J. Bus., 66; A study of pharmaceutical promotion, The Marketer, 67. Address: Office of the President, University of Calgary, Calgary, Alta., Can.

PRESLER, DR. HENRY HUGHES, b. Valley City, N.Dak., Nov. 8, 09; m. 36; c. 5. SOCIOLOGY. B.S., N.Dak. Agr. Col., 31; S.T.B., Boston, 36; Ph.D., Chicago, 48. DIR. DEPT. ORGANIZED RES., LEONARD THEOL. COL., JABALPUR, INDIA, 42- Dir., Cultural Studies, Jabalpur, 49-; lectr., Landour Lang. Sch., 54. Consult. Soc. Surv. Malwa Church Coun. Indore, India, 65-; Soc. Surv. Methodist Church, south. Asia, 66-; res. facilities, affiliated cols., Serampore Univ. Ed., Indian Cultures Quart., 56- Int. Assn. Hist. Relig. Application of the disciplines of psychology of religion, sociology of religion and cultural anthropology to the study of religious phenomena in a highly mobile, urban area of India; case studies and statistical analyses of cultural institutions in mid-India. Publ: How Sanskrit and Hindi interact with Hinduism; co-auth, Initiation, Brill, Leiden, 65; Primitive religions in India, C.S.L., Bangalore, 68. Address: Leonard Theological College, Jabalpur, Madhya Pradesh, India.

PRESS, PROF. CHARLES, b. St. Louis, Mo., Sept. 12, 22; m. 50; c. 4. POLITICAL SCIENCE. B.J., Missouri, 48; M.A., Minnesota, 51, Ph.D., 53. From instr. to asst. prof. POLIT. SCI., N.Dak. State Col., 54-56; instr. Mich. State, 56-57; Wisconsin, 57; asst. prof. MICH. STATE, 58-62, assoc. prof., 62-64, PROF. 64-, CHMN. DEPT., 66- U.S.A., 43-45. Polit. Sci. Assn. Election analysis; state and local government; political parties. Publ: Co-auth, The American political process; co-ed, Empathy and ideology & Democracy in urban America. Address: Dept. of Political Science, 301 S. Kedzie, Michigan State University, East Lansing, Mich. 48823.

PRESS, DR. S (HELDON) JAMES, b. New York, N.Y., Feb. 4, 31; m. 51; c. 2. MATHEMATICAL STATISTICS. B.A., N.Y. Univ., 50; Minnesota, 50-51; M.S., Southern California, 55; California, Los Angeles, 60-61; Ph.D.(statist), Stanford, 64. Physicist, Brookhaven Nat. Lab., 49-50; res. analyst, Northrop Aircraft Corp., 51-54; res. engr., Douglas Aircraft Co., Inc., Long Beach, Calif., 54-57, design specialist, Santa Monica, 58-61; lectr., STATIST., California, Los Angeles, 64-66; ASSOC. PROF., GRAD SCH. BUS., CHICAGO, 66- Res. mathematician, Rand Corp., 64-66, consult., 66-; Real Estate Res. Corp., Ill., 66; probs. mgt. ed. in India, U.S. Agency Int. Develop., 67; John Wiley &

Sons; McGraw-Hill Book Co. Inst. Math. Statist; Statist. Asn; Economet. Soc; Math. Asn. Am. Multivariate statistical analysis; Bayesian statistics; econometrics; probability distribution theory; operations research; cosmic ray microscopy physics; control system theory; celestial mechanics. Publ: Linear combinations of non-central chi-square variates, *Ann. Inst. Math. Statist.*, 4/66; Specially structured multivariate Behrens-Fisher problems, *Sankhya-Indian J. Statist.*, 4/67; Estimating from misclassified data, *J. Am. Statist. Asn.*, 3/68. Address: 1466 E. 56th St, Chicago, Ill. 60637.

PRESSEY, PROF. SIDNEY L(EAVITT), b. Brooklyn, N.Y., Dec. 28, 88. PSYCHOLOGY. A.B. Williams Col, 12; A.M. Harvard, 15, Ph.D.(psychol), 17; LL.D. Ohio State, 60. Asst. psychologist & intern, Psychopathic Hosp, Boston, Mass, 16-17; asst. & instr. PSYCHOL, Indiana, 17-21, asst. prof, 21; OHIO STATE, 21-26, prof, 26-59, EMER. PROF, 59- Vis. prof, California, Los Angeles, 59-60; Arizona, 62-64. Expert consult, Adj. Gen. Off. AAAS; fel. Psychol. Asn; Geront. Soc; fel. Soc. Res. Child Develop; Nat. Acad. Ed. Educational psychology; gerontology; psychology of genius; teaching machines. Publ: Educational acceleration, appraisals and basic problems; co-auth, Psychological development through the life span & Psychology in Education. Address: 1870 Riverside Dr, Apt. 28, Columbus, Ohio 43212.

PRESSLY, PROF. THOMAS J(AMES), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

PRESTAGE, PROF. JEWEL LIMAR, b. Hutton, La, Aug. 12, 31; m. 53; c. 4. POLITICAL SCIENCE. Gen. Ed. Bd. fel. Iowa, 51-52, Ph.D. 54. Assoc. prof. POLIT. SCI, Prairie View Col, 54-56; SOUTHERN UNIV, 56-62, PROF, 62-, CHMN. DEPT, 65- Consult, U.S. Off. Ed, 66-67; Ford Found, 67-68. Polit. Sci. Asn. American politics. Address: Box 9222, Southern University, Baton Rouge, La. 70813.

PRESTHOLDT, DR. PERRY H(AROLD), b. Minneapolis, Minn, Sept. 4, 40; m. 64; c. 1. PSYCHOLOGY. B.A. Minnesota, 63, Ph.D.(psychol), 68. ASST. PROF. PSYCHOLOGY, LA. STATE, 67- Social psychology, attitude theory, interpersonal attraction, social learning and social control; architectural psychology. Publ: Co-auth, The effect of misjudging another: over-compensation for dissonance reduction?, *J. Exp. Soc. Psychol.*, 2/66 & Realignment of discrepant reinforcement value?, *J. Personality & Soc. Psychol.*, 2/68. Address: Dept. of Psychology, Louisiana State University, Baton Rouge, La. 70803.

PRESTHUS, PROF. ROBERT VANCE, b. St. Paul, Minn, Feb. 25, 17; m. 40; c. 3. POLITICAL & SOCIAL SCIENCE. B.A. St. Olaf Col, 40; M.A. Minnesota, 41; London, 47; Hillman fel. Chicago, 47-48, Ph.D. 48. Asst. prof. polit. sci, Southern California, 48-50, assoc. prof, 50-51; Mich. State, 51-56; prof. pub. admin, Cornell, 56-66, ed. Admin. Sci. Quart, 56-66; PROF. POLIT. SCI. & CHMN. DEPT, YORK (ONT), 67- Soc. Sci. Res. Coun. res. grant, Eng. 51-52; res. dir, UN, Turkey, 55-56; Ford Found. faculty grant, 59-60; Can. Coun. res. grant, 67. Consult, Fed. Civil Defense Admin, 54-55; U.S. Dept. Army, 59-60. Am. Polit. Sci. Asn; Can. Polit. Sci. Asn; Int. Polit. Sci. Asn. Organizational theory and behavior; community power structure; conceptions of authority in organizations, 1956 to the present; interest group behavior in Canada and the U.S.; science and information. Publ: Organizational society, 65; Public administration, 5th ed, 67; Men at the top: a study in community power, Oxford Univ. Press, 64. Address: 14 Green Valley Rd, Toronto 12, Ont, Can.

PRESTON, DR. CHARLES FRANKLYN, b. Shelburne, Ont, June 9, 28; m. 55; c. 4. PSYCHOLOGY, COUNSELING. B.A. Toronto, 49, M.A. 50, Ph.D.(psychol), 62; L.Th, Wycliffe Col, 52, B.D. 54. Rector's asst, St. Paul's Church, N.S. 52-54; tutor philos. of relig, Wycliffe Col, 54-55; asst. psychol, Toronto, 56-57; assoc. rector, St. John's Church, Ont, 57-58; pastoral psychologist, Bishop Tucher Col, Uganda, 58-61; counsr, YMCA & YWCA, Uganda, 63-65; assoc. prof. psychol. & dir. counseling serv, Waterloo, 65-68; PROF. PSYCHOL. & DIR. PSYCHOL. SERV. MEMORIAL UNIV, 68- Asst. chaplain, Collin's Bay Penitentiary, Ont, 57-58; chaplain, Ont. Hosp. Ment. Disease, Kingston, 57-58. Am. Psychol. Asn; Can. Psychol. Asn. Conceptual thinking; personal development; value systems. Address: Dept. of Psychology, Memorial University of Newfoundland, St. John's Newf, Can.

PRESTON, DR. HARLEY O(LIVER), b. Lakewood, Ohio, Dec. 9, 10; m. 41; c. 1. SOCIAL PSYCHOLOGY. B.S. Kent State, 38; A.M. Indiana, 39, fel. 40-41, Ph.D.(sociol), 46. Asst. prof. sociol, Kent State, 46-47; dir. mil. projs, Am. Inst. Res, 47-50, prog. dir, 51-57, assoc. dir. res, 57-64; ADMIN. OFFICER PUB. AFFAIRS, AM. PSYCHOL. ASN, D.C. 64- Consult, Bur. Soc. Sci. Res, D.C. & American Univ, 65-; Agency Int. Develop. & Air Force Off. Sci. Res, 66- U.S.A.A.F, 42-45. AAAS; Psychol. Asn; Sociol. Asn; Opers. Res. Soc; Soc. Appl. Anthropol; Soc. Int. Develop; Nat. Planning Asn. Leadership evaluation; operations research; international relations. Publ: Operations of the participant training program of A.I.D. U.S. Govt. Printing Off, 66; Procedure for evaluating officers in the United States Air Force; 18th International Congress of Psychology, Am. Psychol. Asn, 67. Address: 2350 N. Vermont St, Arlington, Va. 22207.

PRESTON, DR. HOMER J, b. Jamestown, N.Y., June 5, 21; m. 51; c. 3. AGRICULTURAL ECONOMICS. B.S. Pa. State, 43, M.S. 48, Ph.D.(agr. econ), 50; Harvard, 48-49. Res. economist, U.S. DEPT. AGR, 49-55, chief fruit & veg. br, FARMER COOP. SERV, 55-61, asst. dir. mkt. div, 61-62; dir. purchasing div, 62-67, ASST. ADMINSTR, 67- Consult, Int. Develop. Serv, 54; Food & Agr. Orgn, 56. U.S.N.R, 43-46, Res, 46-, Lt. Comdr. Agr. Econ. Asn. Marketing research, especially farmer cooperatives. Publ: Butterfat sampling in bulk handling and comparative milk solids losses, 54 & Developing butterfat sampling and testing programs, 54, Farmer Coop. Serv; co-auth, Relation of feed, labor and other costs to butterfat tests, *J. Farm Econ.*, 8/48. Address: 3140 Flintlock Rd, Fairfax, Va. 22030.

PRESTON, DR. IVAN L, b. Bryn Mawr, Pa, Dec. 18, 31; m. 61; c. 2. MASS COMMUNICATION, JOURNALISM. B.A. Col. Wooster, 53; M.A. Mich. State, 61, Ph.D.(commun), 64. Adv. acct. asst, Ketchum, MacLeod & Grove Adv. Agency, Pa, 56-57; ed. news serv, Carnegie Inst. Tech, 57-58; Pub. rels, acct. exec, Erwin Wasey, Ruthrauff & Ryan Agency, Pa, 58-59; from asst.

to asst. instr, Mich. state, 59-63; asst. prof. JOURNALISM, Pa. State, 63-68; ASSOC. PROF, WISCONSIN, 68- U.S.A. 53-55. Asn. Ed. in Journalism; Nat. Soc. Study Commun; Coun. Consumer Info. Advertising; social science research methods. Publ: Choosing the level of significance in communication research, *Pub. Opinion Quart*, spring 67; Logic and illogic in the advertising process, *Journalism Quart*, summer 67; Theories of behavior and the concept of rationality in advertising, *J. Commun.*, 9/67, Address: School of Journalism, University of Wisconsin, Madison, Wis. 53706.

PRESTON, DR. JOAN, b. St. Thomas, Ont, July 28, 39. PSYCHOLOGY. B.A. Western Ontario, 64, M.A. 65, Ph.D.(psychol), 67. ASST. PROF. PSYCHOL, TORONTO, 67- AAAS. Language behavior and communication, both oral and written; psycholinguistics; modes of coding; creative behavior; individual differences in language. Publ: Co-auth, Dimensions of oral and written language behavior, *J. Verbal Learning & Verbal Behav.*, 67. Address: 192 Pineway Blvd, Willowdale, Ont, Can.

PRESTON, PROF. LEE E(GAN), b. Dallas, Tex, July 28, 30; m. 57; c. 2. ECONOMICS. A.B. Vanderbilt, 51; A.M. Harvard, 53, Ph.D.(econ), 57. PROF. BUS. ADMIN, CALIFORNIA, BERKELEY, 66- U.S.A. 54-56. Econ. Asn; Mkt. Asn. Industrial organization; marketing; business economics. Publ: Size structure of the largest industrial firms, *Am. Econ. Rev*; Mark-ups, leaders and discrimination in retail pricing, *J. Farm Econ*; Social issues in marketing, Scott, 68. Address: School of Business Administration, University of California, Berkeley, Calif. 94720.

PRESTON, PROF. MALCOLM G(REENHOUGH), b. Philadelphia, Pa, Dec. 29, 05; m. 29; c. 3. PSYCHOLOGY. B.S. Pennsylvania, 27, M.A. 32, Ph.D. (psychol), 35; LL.D. Phila. Col. Textiles & Sci, 67. Asst. instr. PSYCHOL, PENNSYLVANIA, 30-35, instr, 35-39, asst. prof, 39-45, assoc. prof, 45-52, PROF, 52-, co-dir. ed. surv, 54-59. Res. consult, Franklin Inst, 43-53; Marriage Coun, Pa, 46-53; Pa. Inst, 48-49. Civilian with Off. Sci. Res. & Develop, 42-45. Fel. Psychol. Asn. Marriage; concept formation; impressions of personality. Publ: Co-auth, Experimental study of the auction-value of an uncertain outcome, *Am. J. Psychol.*, Impressions of personality as a function of marital conflict, *J. Abnorm. & Soc. Psychol.*, Factors affecting movement in casework, *Soc. Casework*. Address: Dept. of Psychology, University of Pennsylvania, Philadelphia, Pa. 19104.

PRESTON, PROF. NATHANIEL STONE, b. Boston, Mass, Mar. 1, 28; m. 58; c. 3. GOVERNMENT, POLITICS. A.B. Boston, 50; M.A. Pennsylvania, 51, jr. fel, Princeton, 52-53, Ph.D. 60. Instr. govt, West Virginia, 53-55; Tufts, 57; lectr, Boston Col, 57-58; instr, Trinity Col.(Conn), 59-61; asst. prof. GOVT, AMERICAN UNIV, 61-63, assoc. prof, 63-67, PROF, 67-, ASST. DEAN WASH. SEMESTER, 63- U.S. Merchant Marine, 45. Polit. Sci. Asn. Public authorities in American state and local government. Publ: Ed. The senate institution, Van Nostrand, (in press); Politics, economics and power: ideology and practice under capitalism, socialism, communism and fascism, Macmillan, 67; The bondholder and public authority, *Munic. Finance*, 2/63. Address: 3406 Raymond St, Chevy Chase, Md. 20015.

PRESTON, DR. RICHARD ELLIS, b. Chelan Falls, Wash, Dec. 17, 32; m. 60; c. 2. GEOGRAPHY. B.A. Cent. Wash. State Col, 55; M.A. Washington (Seattle), 57; fels, Clark, 57-59, Ph.D.(geog), 64. PROF. GEOG, SAN FERNANDO VALLEY STATE COL, 61- Participant, Nat. Sci. Found. Summer Inst. Appln. Quant. Methods Geog, 65. U.S.A.R. 55-63. Asn. Am. Geog; Am. Geog. Soc; Regional Sci. Asn. Role of cities in the development of the Pacific Northwest; land use structure of the transition zone surrounding the central business district. Publ: The zone in transition: a study of urban land use patterns, *Econ. Geog.*, 66; Urban development in southern California between 1940 and 1965, *Tijdschrift Voor Economische en Sociale Geografie*, 67; The three-sector hypothesis of transition zone structure: its validity and practical implications, *Town Planning Rev.*, 68. Address: Dept. of Geography, San Fernando Valley State College, 18111 Nordhoff St, Northridge, Calif. 91324.

PRESTON, DR. RUTH HAMILL, b. Godley, Tex, Dec. 8, 03; m. 31. PSYCHOLOGY. B.A. Southern Methodist, 25; M.A. North Carolina, 29, Ph.D. (psychol), 33. Instr. psychol, La. State, 43-45, asst. prof, 47-48, 54-58, lectr, 58-59, asst. prof, 59-61; RETIRED. Learning theory; developmental psychology. Address: 672 Nelson Dr, Baton Rouge, La. 70808.

PREU, FRED LEE, Pub. Admin, Econ, see 10th ed, Soc. & Behav. Vols.

PREWITT, PROF. CLINTON ROOSEVELT, b. Dallas, Ga, Feb. 18, 19; m. 43; c. 3. EDUCATIONAL PSYCHOLOGY. B.S. Georgia, 41; M.A. Oklahoma, 48; fel, North Carolina, 48-50, Ph.D. 50. Chemist, Huntsville Arsenal, Ala, 41-42; foreman, Tenn. Eastman Corp, 42-43; supt. schs, Sedan, Okla, 47-48; instr, North Carolina, 50-51; dir. student personnel, E.CAROLINA COL, 51-57, PROF. PSYCHOL. & CHMN. DEPT, 58- Summer vis. lectr, Emory, 51. V.chmn. & secy, N.C. State Bd. Practicing Psychologists, 67- U.S.A. 45-47, Sgt. Psychol. Asn. Teaching-learning process; status of teachers; history of methodology of teaching. Publ: Let's remove the barriers to good teaching, *Sch. Exec.*; College failures, N.C. Ed; Education: the vaccine for communism, In: *The Eleusis*. Address: Dept. of Psychology, East Carolina College, Box 275, Greenville, N.C. 27834.

PREWITT, DR. KENNETH, b. Alton, Ill, Mar. 16, 36; m. 63; c. 1. POLITICAL SCIENCE. B.A. Southern Methodist, 58; M.A. Washington (St. Louis), 59; Ph.D.(polit. sci), Stanford, 63. Asst. prof, Washington (St. Louis), 63-64; vis. asst. prof, Stanford, 64-65; vis. prof. POLIT. SCI, Makerere Univ. Col, Uganda, 65-66; ASST. PROF, CHICAGO, 66- Res. assoc, Stanford Inst. Polit. Studies, 67-68. Polit. Sci. Asn; Comp. Ed. Soc; African Studies Asn. Political sociology, especially socialization and recruitment; field studies of citizenship and education in East Africa; political recruitment in eighty-five African communities; governing process in a metropolitan region. Publ: Co-auth, American government: readings and problems for analysis, Dodd, 65; Political socialization, Little, 68; auth, Essays on students and politics, E.African Pub. House, 68. Address: Dept. of Political Science, University of Chicago, Chicago, Ill. 60637.

- PREWITT, ROY A(VERY), b. Linn Creek, Mo, July 2, 08; m. 35; c. 1. ECONOMICS. B.S. Missouri, 14, M.A. 36; Cornell, 39-41. Assoc. prof. econ. & commerce, Cent. State Col.(Mo), 36-41; from asst. to assoc. economist, tax res. div, U.S. Dept. Treas., 42; price analyst & bus. economist, Off. Price Admin., 43-46; economist, U.S. Dept. Interior, 47-48; economist, FED. TRADE CMN., 48-55, suprvy. economist, 55-61, ASST. DIR. BUR. ECON., 61- Econ. Assn. Industrial organization, public regulation of business; economic theory; industry studies. Publ: Survey of the labor market in Missouri in relation to unemployment compensation; Operation and regulation of crude oil and gasoline pipelines, Quart. J. Econ. Address: 4339 26th St. N, Arlington, Va. 22207.
- PRIBHAM, DR. K(ARL) H(ARRY), Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.
- PRICE, DR. A(RTHUR) COOPER, b. Sebring, Fla, Jan. 1, 18. CLINICAL PSYCHOLOGY. B.A. Furman, 48; M.A. Florida, 50, fel. & Ph.D.(psychol), 53. Chief clin. psychologist, Biloxi Div, Vet. Admin. Center, Miss., 54-64, CHIEF PSYCHOLOGIST, Vet. Admin. Hosp, Tuskegee, Ala, 64-67; FED. CORRECTIONAL INST., 67- Lectr, exten. div, Mississippi; vis. prof, Auburn, 64-67; Tuskegee Inst, 67; adj. prof, Fla. State, 67. Consult, Harrison County Youth Court; E.Ala. Ment. Health Center, 65-67. U.S.A.A.F. 41-45. Psychol. Assn. Personality dynamics; diagnosis organic brain damage. Publ: Rorschach study of the development of personality structure in white and Negro children in a southern community; Diagnosis of organicity by means of spiral aftereffect, J. Consult. Psychol. Address: Federal Correctional Institution, Tallahassee, Fla. 32304.
- PRICE, DR. BRONSON, b. Freeport, Ill, Mar. 24, 05; m. 34. STATISTICS. B.S. Antioch Col, 29; Ph.D.(psychol), Stanford, 34. Soc. Sci. Res. Coun. fel, Moscow, 34-36; instr. psychol, Ohio State, 36-41; personnel & test technician, Adj. Gen. Off, U.S. War Dept, 41-42; commun. analyst, Fed. Commun. Cmn. & Off. War Info, 42-45; soc. sci. analyst, Nat. Off. Vital Statist, 45-47; statistician, U.S. Children's Bur, 48-57; STATISTICIAN, U.S. OFF. ED, 57- Soc. Human Genetics; Statist. Assn. Theory of capacity traits; nature twins and twin controlled testing; educational and public health statistics. Publ: School health services, Govt. Printing Off. 57; Twin-controlled experiment on the learning of auxiliary languages, Genetics Psychol. Monogr. 41; Primary biases in twin studies, Am. J. Human Genetics, 50. Address: 223 Tenth St. S.E., Washington, D.C. 20003.
- PRICE, DR. C. HOYT, b. Ozark, Ark, June 7, 18; m. 50; c. 2. ECONOMICS. B.S. Virginia, 39, M.A. 42, Ph.D.(econ), 47. Statist. analyst, War Shipping Admin, 43-44; econ. analyst, UNRRA, 44-45; for. serv. officer, U.S. For. Serv, 45-67, COUNTRY DIR. PHILIPPINES, BUR. E.ASIA & PAC. AFFAIRS, DEPT. STATE, WASH, D.C. 67- Econ. Assn; Finance Assn; Acad. Polit. & Soc. Sci. International relations and economics. Publ: Co-auth, The problem of Germany. Address: 2808 McKinley St. N.W., Washington, D.C. 20015.
- PRICE, PROF. DALIAS A(DOLPH), b. Newtonville, Ind, June 28, 13; m. 43; c. 4. GEOGRAPHY. B.A. Illinois, 37, M.A. 38; fel, Wisconsin, 53-54, Ph.D.(geog), 54. Acting head dept. geog, Southwest Mo. State Col, 40-45; asst. prof. geog. & geol, Southern Illinois, 47-54, assoc. prof, 54-58; PROF. GEOG. & HEAD DEPT, EASTERN ILLINOIS, 58- Asn. Am. Geog. Agricultural geography; climatology; landforms. Publ: Land use associations in the commercial orchard economy of southern Illinois & Preliminary analysis of regional concepts; southern Illinois and Little Egypt, Trans. Ill. Acad. Sci; co-auth, Teaching the social studies, Off. Pub. Instr. Bull. Address: Dept. of Geography, Eastern Illinois University, Charleston, Ill. 61920.
- PRICE, PROF. DANIEL O(HAVER), b. Palatka, Fla, Sept. 12, 18; m. 45; c. 3. SOCIOLOGY. B.S. Fla. South. Col, 39; A.M. North Carolina, 42, Ph.D. (sociol), 48. Prof. sociol, North Carolina, Chapel Hill, 47-66, dir. inst. res. soc. sci, 57-66; PROF. SOCIOL, TEXAS, AUSTIN, 66- Vis. lectr, Harvard, 50; summer, vis. prof, Mass. Inst. Tech, 57. Consult, Tracor, Inc, Tex, 66-; statist. standards div, U.S. Bur. Budget, 66-; soc. security admin, Dept. Health, Ed. & Welfare, 67- Fel. AAAS; fel. Sociol. Assn; fel. Statist. Assn; Pop. Assn.(secy-treas, 57-60, 2nd v.pres, 66-67); Sociol. Res. Assn; Int. Union Sci. Study Pop. U.S.N.R, 42-45, Capt. Demography; statistics; the Negro. Publ: Co-auth, Statistics for sociologists, Holt, 52 & An American dependency challenge, Chicago: Am. Pub. Welfare Assn, 63; ed, The 99th hour: the population crisis in the U.S., Univ. N.C. Press, 67. Address: 306 Garrison Hall, University of Texas, Austin, Tex. 78712.
- PRICE, DR. DAVID W, b. Syracuse, N.Y., Jan 19, 36; m. 58; c. 2. AGRICULTURAL ECONOMICS. B.S. Pa. State, 57, M.S. 59; Ph.D.(agr. econ), Mich. State, 65. Instr. AGR. ECON, WASHINGTON STATE, 62-64, ASST. PROF, 64- Agr. Econ. Assn; Econ. Assn; Acad. Polit. & Soc. Sci. Specification of effects of socio-demographic variables on food consumption; construction of demand-supply models for agricultural industries. Publ: Specifying the effects of household composition on U.S. food expenditures, Agr. Exp. Sta, Mich. State Univ, 67; The marketing order for Washington apricots, Wash. Agr. Exp. Sta, 67; Discarding low quality produce with an elastic demand, J. Farm Econ, 8/67. Address: Dept. of Agricultural Economics, Washington State University, Pullman, Wash. 99163.
- PRICE, PROF. DEREK J(OHN) de SALLA, Hist. of Sci., see 11th ed, Phys. & Biol. Vols.
- PRICE, PROF. DON K, JR, b. Middlesboro, Ky, Jan. 23, 10. PUBLIC ADMINISTRATION. A.B. Vanderbilt, 31; Rhodes scholar, Oxford, 32-35, B.A. 34, B.Litt, 35, hon. M.A. Harvard, 58; LL.D. Centre Col, 61, Syracuse, 62; L.H.D. Case, 67; Litt.D. Pittsburgh, 68. Mem. staff, Home Owners' Loan Corp, D.C. 35-37; cmt. pub. admin. Soc. Sci. Res. Coun, 37-39; ed. assoc. Pub. Admin. Clearing House, 39-43, assoc. dir, 46-53; Ford Found, 53-59, v-pres, 54-59; PROF. GOVT. & DEAN KENNEDY SCH. GOVT, HARVARD, 58- Lectr, Chicago, 46-53. Asst. to President Hoover Study of U.S. Presidency, 43; mem. bd. dirs, Soc. Sci. Res. Coun, 49-52, 63-; dep. chmn, U.S. Res. & Develop. Bd, 52-53; mem. President's Adv. Cmt. Govt. Reorgn, 59-61. U.S.C.G. 43-46. AAAS (pres, 67); Soc. Pub. Admin; Polit. Sci. Assn; Philos. Soc; Am. Acad. Arts & Sci. National government. Publ: Government and science, N.Y. Univ, 54; ed. & co-auth, The secretary of state, Prentice-Hall, 60; auth, The scientific estate, Harvard, 65. Address: 114 Irving St, Cambridge, Mass. 02138.
- PRICE, DR. DOROTHY Z, b. Shenandoah, Pa, Sept. 7, 36; m. 58; c. 2. FAMILY ECONOMICS. B.S. Pa. State, 58; Ph.D.(home mgt), Mich. State, 64. Res. asst, HOME MGT, Pa. State, 58-59; Mich. State, 59-62; instr, WASHINGTON STATE, 62-64, ASST. PROF, 64- Mem. vis. prof. cmt. to eval. dept. home econ, Univ. New Mexico, 67. Econ. Assn; Nat. Coun. Family Rels; Coun. Consumer Info; Home Econ. Assn. Home management; identification and measurement of pertinent psychological and sociological factors relevant to family decision-making; values of family members; simulation of decision-making. Publ: Research methodology in home management, 6/67 & co-auth, Teaching decision-making to disadvantaged, 5/68, J. Home Econ; auth, A technique for analyzing the economic value system, J. Marriage & Family, 8/68. Address: Dept. of Child & Family Studies, Washington State University, Pullman, Wash. 99163.
- PRICE, PROF. EDWARD T(HOMAS), b. Nashville, Tenn, Nov. 8, 15; m. 42; c. 5. GEOGRAPHY. B.S. Calif. Inst. Tech, 37; Ph.D.(geog), California, 50. Engr, Procter & Gamble, Ohio, 37-38; Martin-Decker, Calif, 39; group supvr, Calif. Inst. Tech, 42-45; from instr. to asst. prof. geog, Cincinnati, 46-51; from asst. prof. to prof, Los Angeles State Col, 51-63, chmn. div, soc. sci, 55-61; PROF. GEOG. OREGON, 63- Fulbright grant, 58-59. Asn. Am. Geog; fel. Am. Geog. Soc. Cultural and human geography in the United States. Publ: Aspects of curse in human geography, Yearbook of Asn. Pac. Coast Geogr, 63; The central courthouse square in the American county, Geog. Rev, 1/68; Cultural geography, In: International Encyclopedia of the social sciences, Macmillan, 68. Address: Dept. of Geography, University of Oregon, Eugene, Ore. 97403.
- PRICE, DR. G(EOGE) RICHARD, b. Somerset, Pa, Feb. 24, 38; m. 61; c. 2. PHYSIOLOGICAL PSYCHOLOGY. A.B. Delaware, 60; nat. fel, Princeton, 61, Nat. Inst. Ment. Health fel, 62-63, Ph.D.(psychol), 63. RES. TEAM LEADER, BEHAV. RES. LAB, U.S. ARMY HUMAN ENG. LABS, 65- Mem, Nat. Res. Coun. Cmt. Hearing, Bioacoustics & Biomech, 67- U.S.A. 63-65, 1st Lt. Acoustical Soc. Am. Audition; processes in the central nervous system. Address: U.S. Army Human Engineering Labs, Aberdeen Proving Ground, Md. 21005.
- PRICE, DR. GERALD F(RANCIS), b. Greensburg, Pa, July 10, 17; m. 50; c. 3. MARKETING. B.S. St. Vincent Col, 43; M.L. Pittsburgh, 47. Ph.D. (econ), 53. Instr, Pittsburgh, 46-50; asst. prof. commerce, Colorado, 50-54; ASSOC. PROF. MKT. & CHMN. DEPT, BOSTON COL, 54- Mkt. Assn. Business mortalities; sales administration; distribution management. Publ: Contributions of selected behavioral sciences to the teaching of advertising; Small-scale business mortalities; Can government aid in increasing market efficiency? New Eng. Bus, 68. Address: 110 Algonquin Rd, Chestnut Hill, Mass. 02167.
- PRICE, PROF. H(UGH) BRUCE, b. S.Dak, Oct. 21, 88; m. 18; c. 4. AGRICULTURAL ECONOMICS. A.B. Wisconsin, 14; A.M. Minnesota, 16; Ph.D. Yale, 21. Instr. AGR. ECON. Conn. Agr. Col, 17-19; Yale, 19-21; from asst. prof. to prof, Minnesota, 21-29; KENTUCKY, 29-59, EMER. PROF. 59-, head dept. mkts. & rural finance, col. agr, 29-46, acting head dept. agron, 52-54, admin. asst, agr. exp. sta, 54-57, acting dean & dir. col. agr. & home econ, 57-59. Econ. Assn; Agr. Econ. Assn.(v-pres, 38, pres, 40; ed, Jour, 42-44). Publ: Ed. & co-auth, Marketing farm products. Address: Dept. of Agricultural Economics, University of Kentucky, Lexington, Ky. 40506.
- PRICE, DR. HUGH DOUGLAS, b. Bradenton, Fla, Sept. 23, 28. POLITICAL SCIENCE & SOCIOLOGY. B.A. Florida, 52, M.A. 53; Ph.D.(polit. sci), Harvard, 58. Instr. GOVT, Florida, 57-58; lectr, Columbia, 58-60, asst. prof, 60-62; ASSOC. PROF, Syracuse, 62-65; HARVARD, 66- U.S.A.F. 46-49, Sgt. Polit. Sci. Assn. Political parties; legislative process; systematic theories of politics; comparative state politics. Publ: Co-auth, Metropolis and its problems; auth, Negro and southern politics; Race, religion and the rules committee, In: Uses of power. Address: Dept. of Political Science, Harvard University, Cambridge, Mass. 02138.
- PRICE, DR. JACOB M(YRON), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- PRICE, DR. JAMES E(DWIN), b. Lincoln, Nebr, Apr. 22, 36; m. 61. ECONOMICS. A.B. Harvard, 58; Ph.D.(econ), Mass. Inst. Tech, 63. ASST. PROF. ECON, SYRACUSE, 62- Vis. lectr, Univ. Col, Nairobi, Kenya, 63-64. Econ. Assn; Economet. Soc. International monetary adjustment mechanism. Publ: Co-auth, The paradox of surplus agricultural labor and positive margin production of labor, Indian Econ. J, 4/66; auth, A test of the accuracy of crime statistics, Soc. Probs, fall 66; The tax burden of international organizations, Pub. Finance, 12/67. Address: Dept. of Economics, Syracuse University, Syracuse, N.Y. 13210.
- PRICE, DR. JOHN R(UNYAN), b. Chicago, Ill, May 8, 26; m. 67; c. 2. CLINICAL PSYCHOLOGY. A.B. Denver, 51, M.A. 54, Ph.D. 56. Clin. psychologist, Jewish Nat. Home Asthmatic Children, Denver, Colo, 55-56; chief psychologist, dept. child psychiat, Greater Kansas City Ment. Health Found, Mo, 56-62, asst. dir. dept. res, 63-64; private practice, 59- Lectr, sch. ed, Univ. Kansas City, 58. Consult, Mattie Rhodes Center, Kansas City, 57-; Trowbridge Training Sch, 61-62; Park Col, 64-; State Hosp, Nevada, Mo, 65-66. U.S.A.F. 44-45, Res, 43-44, 45-52. Psychol. Assn. Psychological testing; recognition thresholds as perceptually defensive behavior in asthmatics; analysis and treatment of interpersonal relationships; family dynamics; small group processes; personality theory; psychotherapy. Publ: Co-auth, Statistical comparison of the Wechsler intelligence scale for children and the Wechsler-Bellevue, form I, J. Consult. Psychol. Address: 4512 Roanoke Pkwy, Kansas City, Mo. 64111.
- PRICE, DR. LARRY E(UGENE), b. Little Rock, Ark, Aug. 18, 34; m. 56; c. 3. FINANCE. B.S.E.E. Arkansas, 59, M.B.A. 61, Ph.D.(finance), 66; Am.

- Bankers Assn. Ayres fel, Rutgers, summer 65. Engr. Bendix Aviation Corp, 56-58; instr. gen. bus. Arkansas, 60-63; asst. prof. FINANCE, GA. SOUTH. COL., 63-67, ASSOC. PROF., 67- Mem. Regional Export Expansion Coun, 67-69. Intel.C, U.S.A.R, 57-, Capt. Econ. Assn; Finance Assn. Monetary theory and policy; commercial bank management; statistics. Publ: Co-auth, Problems in business statistics, Prentice-Hall, 68. Address: Dept. of Finance, Georgia Southern College, P.O. Box 2067, Statesboro, Ga. 30458.
- PRICE, DR. LOUIS E(LLIOT), b. Cleveland, Ohio, Oct. 7, 35; m. 56; c. 2. CHILD & EDUCATIONAL PSYCHOLOGY. A.B. California, Los Angeles, 57; M.A. Iowa, 59, Ph.D.(child welfare), 60. Asst. prof. PSYCHOL, Massachusetts, 60-66; ASSOC. PROF. NEW MEXICO, 66- Summer assoc. prof. Southern California, 66 & 67. Consult, Southwest. Coop. Ed. Lab, 66-67. Psychol. Assn; Soc. Res. Child Develop; Nat. Soc. Study Ed. Children's learning and motivation; classical conditioning in humans. Address: Dept. of Psychology, University of New Mexico, Albuquerque, N.Mex. 87106.
- PRICE, DR. M(ARIE) LOUISE, Psychol, Sociol, see 10th ed, Soc. & Behav. Vols.
- PRICE, DR. MAURICE T(HOMAS), Sociol, Anthropol, see 10th ed, Soc. & Behav. Vols.
- PRICE, DEAN MERLE M(ILES), b. Minneapolis, Minn, May 4, 01; m. 30; c. 2. POLITICAL SCIENCE. B.S. Minnesota, 24, A.M. 29. Prin. high sch, Minn, 24-26; asst. Minnesota, 26-27; from assoc. prof. soc. sci. to PROF. POLIT. SCI. & DEAN MEN, STOUT STATE, 29- Philos. Ed. Soc. Higher education administration; student personnel. Address: 1203 Fourth Ave, Menomonie, Wis. 54751.
- PRICE, PROF. RALPH B(EVERE), b. Page, Nebr, Aug. 27, 12; m. 34; c. 2. ECONOMICS. London Sch. Econ, 51-52; Ph.D. Colorado, 52. Field asst. Soc. Security Bd, 41-42; analyst, off. community war serv. Fed. Security Agency, 42; economist, War Labor Bd, 43-45; team dir. UNRRA, German Opers, 45-46, chief repatriation officer, 46-47; dir. Denver exten. div. Colorado, 47-51; dep. dir. for. student dept. Inst. Int. Ed, 52-54; PROF. ECON. & HEAD DEPT, WEST. MD. COL, 54- Fulbright vis. prof, India, 62, Singapore, 66; faculty res. fel, Am. Inst. Indian Studies, India, 64-65. Asn. Asian Studies; Econ. Assn. International economics; economic theory; history of economic thought; economic development in South and Southeast Asia. Publ: The U.S. balance of payments and domestic policy, Appl. Econ. Papers, India, 12/62; M.G. Rande's theory of development and growth, Explor. Entrepreneurial Hist, fall 66; Ideology and Indian planning, Am. J. Econ. & Sociol, 1/67. Address: Route 5, Box 336-A, Westminster, Md. 21157.
- PRICE, REGINALD CARRIER, Eng, Econ, see Suppl. V to 11th ed, Phys. & Biol. Vols.
- PRICE, DR. RICHARD H(ENRY), b. Evanston, Ill, Aug. 12, 40; m. 64. PSYCHOLOGY. B.A. Lawrence Col, 62; U.S. Pub. Health Serv. fel, Illinois, 62-63, A.M. 65, Ph.D.(clin. psychol), 66. ASST. PROF. PSYCHOL, INDIANA, 66- Psychol. Assn. Experimental psychopathology; personality and perception; methods of behavior influence. Publ: Signal detection methods in personality and perception, Psychol. Bull, 66; co-auth, Size constancy in schizophrenia: a reanalysis, 66 & auth, Analysis of task requirements in schizophrenic concept identification performance, 68, J. Abnorm. Psychol. Address: Dept. of Psychology, Indiana University, Bloomington, Ind. 47401.
- PRICE, DR. ROBERT P(RESTON), b. Martinsville, Va, Apr. 2, 09; m. 40; c. 1. PSYCHOLOGY, COUNSELING. B.S. Col. William & Mary, 30; B.D. Emory, 40; fels. Boston, 56-58; Ph.D. 58. Teller, saving dept, First Nat. Bank, Va, 31-36; pastor, Community Methodist Church, Ariz, 40-44; Federated Community Church, 44-48; Fifth Ave. Methodist Church, Calif, 48-51; First Methodist Church, 51-52; assoc. pastor, St. Paul's Methodist Church, 52-55; assoc. prof. PSYCHOL, Southwest. Col, 58-63; asst. prof, U.S. INT. UNIV, 63-67, ASSOC. PROF. & ACTING CHMN. DEPT, CALIF, WESTERN UNIV. DIV, 67- Lectr, First Methodist Church, Kans, 60. Consult, Marriage Counseling Serv, Kans, 58-60. Psychol. Assn. Pastoral counseling; psychological understanding of religious encounter; student motivation on the college campus. Address: Dept. of Psychology, United States International University, California Western Division, San Diego, Calif. 92106.
- PRICE, PROF. ROY A, b. Chicago, Ill, Apr. 29, 05; m. 32, 66; c. 2. SOCIAL SCIENCE. Ph.B. Chicago, 27; Ed.M. Harvard, 32, Ed.D. 36. Teacher, Culver Mil. Acad, 27-30; high sch, Mass, 32-35; PROF. SOC. SCI, SYRACUSE, 35- Danforth Found. dir, summer seminars, 60; Ford Found. dir, Washington internships in ed, 65-66. Pres. Nat. Coun. Soc. Studies, 41; secy. exec. cmt, Joint Coun. Econ. Ed, 63- Asn. Higher Ed.(pres, 62). Training of college teachers. Publ: New viewpoints in the social studies, 59 & Needed research in teaching social studies, 65, Nat. Coun. Soc. Studies. Address: Dept. of Social Science, College of Liberal Arts, Syracuse University, 409 Maxwell, Syracuse, N.Y. 13210.
- PRICE-WILLIAMS, PROF. DOUGLASS R(ICHARD), b. London, Eng, Oct. 1, 24; m. 52; c. 2. PSYCHOLOGY. B.A. Birkbeck Col, Eng, 54; Ph.D.(psychol), London, 63. Asst. lect. PSYCHOL, London Sch. Econ, 54-57, lectr, 57-64; assoc. prof, RICE, 64-66, PROF, 66-, CHMN. DEPT, 65- Vis. lectr, Kansas, 62-63; clin. assoc. prof, col. med, Baylor, 65- Brit. Merchant Navy, 42-45. Am. Psychol. Assn; Interam. Soc. Psychol; Brit. Psychol. Soc.(asst. gen. secy, 60-63). Cross-cultural psychology. Publ: Introductory psychology: an approach for social workers, Routledge & Kegan, 58; co-auth. & ed, Study of personality, Holt, 68; A study concerning concepts of conservation of quantities among primitive children, Acta Psychologica, 18: 297-305. Address: Dept. of Psychology, Rice University, Houston, Tex. 77001.
- PRIN, DR. ERICH P(AUL), b. Chicago, Ill, Dec. 4, 28; m. 55; c. 2. PSYCHOLOGY. A.B. Western Michigan, 51; M.S. Carnegie Inst. Tech, 56; Ph.D. Western Reserve, 59. Res. assoc. psychol. res. & serv, Western Reserve, 55-58; res. psychologist, Standard Oil Co.(Ohio), 58-60; asst. clin. prof. psychol. & asst. dir. psychol. res. serv, Western Reserve, 60-63; prof. psychol. & chmn. dept, Greensboro Col, 63-65; prof, Akron, 65-67; SR. RES. SCIENTIST, AM. INSTS. RES, 67- Richardson Found. res. grant & vis. prof, Ga. Inst. Tech, summer, 67. Ed. text pub, Howard Allen, Inc, 61- U.S.A., 51-53. Psychol. Assn; Int. Assn. Appl. Psychol. Manpower utilization of management and professional employees; structure and dynamics of organizations; theory and measurement of individual and organizational performance criteria. Publ: Co-auth, Toward a criterion theory: a review and analysis of research and opinion, Richardson Found, 66; auth, The dynamic character of criteria: organization change, J. Appl. Psychol, 66; The measurement and analysis of organizational performance, Occup. Psychol, 68. Address: American Institutes for Research, 135 N. Bellefield, Pittsburgh, Pa. 15213.
- PRIESTLEY, PROF. SAMUEL EDWARD GERARD, b. Windsor, Eng, Oct. 29, 10; m. 54; c. 2. POLITICAL SCIENCE. B.D. Hartford Sem, 36, S.T.M. 43; B.S. Springfield Col, 44; M.A. N.Y. Univ, 45, Ph.D. 50; Nat. Univ. Mexico, 46-47; M.S.Sc, New Sch. Soc. Res, 52. Consult. int. ed, armed forces cmt, Nat. Coun. YMCA, 46-53; pres. Coun. Int. Ed. & Res, 53-57; prof. polit. sci, Ala. Col, 57-63; res. fel, Inst. Hist. Res. Univ. London, 63-64; prof. POLIT. SCI, Union Col.(Ky), 64-68; DISTINGUISHED PROF, ELON COL, 68- Consult, Mich. Coun. UNESCO, 50-53. V.chmn. speakers res. cmt, UN, 47-53; mem, Inst. Commonwealth Studies, London, 63-64. Am. Hist. Assn; Royal Hist. Soc. History; British foreign policy since the first world war; economic and social problems of under-developed nations; the United Nations. Publ: The agrarian problem in Mexico, N.Y. Univ, 51; The proposed federation of the British West Indies. Address: Dept. of Political Science, Elon College, N.C. 27244.
- PRIGMORE, PROF. CHARLES S, b. Lodge, Tenn, Mar. 21, 19; m. 47; c. 1. SOCIAL WORK, SOCIOLOGY. A.B. Chattanooga, 39; M.S. Wisconsin, 47, Ph.D.(sociol), 61. Caseworker, Children's Serv. Soc. Wis, 47-48, soc. worker, Wis. Sch. Boys, 48-51; supvr. training, Wis. Bur. Probnt. & Parole, 51-56; supt, Tenn. Voc. Sch. Boys, 56-59; assoc. prof. soc. work, sch. soc. welfare, La. State Univ, 59-62; ed. consult. corrections, Coun. Soc. Work, Ed. Nat. Accrediting Agency, 62-64; exec. dir, Joint Cmn. Correctional Manpower & Training, 64-67; PROF. SOC. WORK, SCH. SOC. WORK, ALABAMA, 67- Mem. adv. cmt, corrections proj, Coun. Soc. Work Ed, 59-62, cmt. teaching mat, 60-62; prinl. coun. Nat. Coun. Crime & Delinquency, 62-68; secy, Arden House Conf. Manpower & Training Corrections, 64- Nat. Guard, 38-40; U.S.N.R, 39-40; U.S.A.F, 40-45, Res, 45-, Lt. Col. Nat. Assn. Soc. Workers; Sociol. Assn; Royal Soc. Health; Int. Soc. Criminal; Int. Coun. Soc. Welfare. Crime and delinquency; corrections; social welfare policy. Publ: The expansion of correctional field placements and internships, 65 & Manpower and training for corrections, 66, Coun. Soc. Work Ed; Rater reliability on the Glueck scale for prediction of juvenile delinquency, J. Criminal Law, Criminol. & Police Sci, 3/65. Address: School of Social Work, University of Alabama, University, Ala. 35486.
- PRIME, DEAN JOHN H(ENRY), b. New York, N.Y, Sept. 26, 00. FINANCE. B.S. N.Y. Univ, 22, A.M. 23, Ph.D. 33. Instr. econ, N.Y. UNIV, 23-28, asst. prof. finance, 29-34, assoc. prof, 34-39, prof, 39-54, asst. dean, 48-52, assoc. dean, 52-62, dean, 62-65, distinguished prof, 65-66, EMER. DEAN, 66- Econ. Assn. Investment banking; analysis of industrial securities; investment analysis. Address: 698 N.E. 40th St, Boca Raton, Fla. 33432.
- PRIMEAUX, DR. WALTER JOSEPH, JR, b. Port Arthur, Tex, Mar. 3, 28; m. 48; c. 7. ECONOMICS. B.S. Southwestern Louisiana, 51; Nat. Defense Ed. Act fel, Houston, 63-66, M.A. 66, Ph.D.(econ), 67. Acct. Parkerson-Dupuis, Inc, 50-51; Texaco, Inc, 51-55; v.pres, Primeaux & Mouldedux, Inc, 55-62; instr. econ. & bus, Southwest La. Voc-Tech. Sch, 62-63; ASSOC. PROF. ECON, NICHOLLS STATE COL, 66- U.S.N. 46-47. Econ. Assn. Market studies considering problems of managerial economics. Address: Dept. of Economics, Nicholls State College, Thibodaux, La. 70301.
- PRIMOFF, ERNEST S, b. New York, N.Y, Apr. 28, 13; m. 35; c. 3. PSYCHOLOGY. B.A. N.Y. Univ, 34, M.A. 36. Exam. asst. Civil Serv. Cmn, N.Y, 39-40; chief trade test unit, occup. anal. sect, U.S. Employ. Serv, 40-44; CHIEF TRADE & INDUSTRY TEST UNIT, TEST DEVELOP. SECT, U.S. CIVIL SERV. CMN, 44- Adj. prof, American Univ, 52- Psychol. Assn. Tests for industrial and trade jobs; J-coefficient approach to personnel problems; experimental psychology. Publ: Job analysis for constructing written tests; J-coefficient, what it is and how it works; Learning as an organizing act. Address: 104 Standish Dr. S.E., Washington, D.C. 20021.
- PRINCE, DR. ALFRED J, b. Rochester, N.Y, Sept. 18, 22; m. 48; c. 2. SOCIOLOGY, SOCIAL WORK. B.A. Idaho, 51, M.A. 56; M.S.W. Our Lady of the Lake Col, 53; Ph.D.(sociol), Washington State, 68. Asst. prof. SOCIOL. & SOC. WORK, Washington State, 55-56 & 61-63; Wisconsin, Milwaukee, 56-61; ASSOC. PROF, EAST. WASH. STATE COL, 63- Consult, Idaho Ment. Health Clin, 67- U.S.A.F, 45-46, Res, 56-65, Maj. Marriage and the family. Publ: A study of 194 cross-religion marriages, Family Life Coordinator, 1/62; Attitudes of college students toward interfaith marriage & Attitudes of college students toward premarital sex experience, In: Marriage and family in the modern world, Crowell. Address: Dept. of Sociology, Eastern Washington State College, Cheney, Wash. 99004.
- PRINCE, DR. CHARLES, b. Ukraine, Nov. 21, 05; nat. ECONOMICS, POLITICAL SCIENCE. B.S. St. Louis, 30; M.S. Washington (St. Louis), 32; fel, Chicago, 40; Ph.D. Georgetown, 43. Vis. prof. grad. courses, Indiana, 43-44; LECTR. BUS. ADMIN, SOUTHERN CALIFORNIA, 54- Investment securities analyses. Publ: International finance, Harvard Bus. Rev, summer 46; Management audits, Corp. Dir; Appraising the second largest financial center, Commercial & Financial Chronicle. Address: 390 S. Hauser Blvd, Apt. 10-M, Los Angeles, Calif. 90036.
- PRINCE, PROF. DOROTHY MAE, b. Charlotte, N.C, Aug. 18, 31. EDUCATION, PSYCHOLOGY. A.B. Oberlin Col, 53; M.A. Syracuse, 54; John Hay Whitney fel, Indiana, 61-62, Ed.D.(audio-visual commun), 62. Instr. Eng, Southern Univ, 54-55; asst. prof. audio-visual ed, A&T STATE, 55-62, PROF. ED. & PSYCHOL, 62-, ACTING CHMN. DEPT. ED, 67-, dept. ed. & psychol, 66-67. Ellis L. Phillips Intern. acad. admin, Sarah Lawrence

& Barnard Colls, 64-65. Summer instr. Alcorn Agr. & Mech. Col, 54 & Atlanta, 56 & 57. Consult. bur. higher. ed. U.S. Dept. Health, Ed. & Welfare, 67. Ed. Res. Assn. Learning; adult education; audio-visual communications. Address: Dept. of Education, A&T State University, Greensboro, N.C. 27411.

PRINCE, PROF. EWART A. Can. citizen. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A. Queen's (Ont), 47; M.A., Toronto, 49; Ph.D. (govt), London, 50. PROF. POLIT. SCI. BISHOP'S (CAN), 50- Can. Polit. Sci. Assn; Can. Inst. Int. Affairs. Canadian and comparative government; international institutions relations. Address: Dept. of Political Science, Bishop's University, Lennoxville, Que. Can.

PRINCE, DR. MELVIN, b. Brooklyn, N.Y., Feb. 6, 32; m. c. 2. SOCIOLOGY. B.A., Brooklyn Col, 53, M.A., 57; Ph.D. (sociol), Columbia, 62. Asst. res. analyst, Family Serv. Assn, N.Y., 59-60; res. scientist, Pub. Serv. Res. Inc., Dunlap & Assocs., Conn., 60-61; opera. res. M & M's Candies, N.J., 62-64; res. sociologist, Columbia Broadcasting Syst., N.Y., 64-65; DIR. RES. SCHOLASTIC RES. CENTER, NEW YORK, 65- Asst., Columbia, 60-61. U.S.A., 53-55. Sociol. Assn. National character; family relationships; socio-economic views. Publ: Co-auth. Social crisis and deviance, Random, 67. Address: 5700 Arlington Ave., Riverdale, N.Y. 10471.

PRINCE, PROF. PAUL ANTHONY, b. Atlantic City, N.J., Mar. 22, 26; m. 51. GEOGRAPHY. B.S. East Stroudsburg State Col, 50; M.A., Clark, 53; Ed.M., Harvard, 57; Nat. Sci. Found. fel. inst. oceanog. Washington (Seattle), 64-65. Teacher, high sch., N.Y., 54-55; pub. schs., Pa., 55-56; geogr., Cent. Intel. Agency, D.C., 57-58; instr. geol. & geog. Col. Wooster, 58-59; assoc. prof. geog. & earth sci., California State Col. (Pa.), 59-62, assoc. dir. & lectr., Nat. Sci. Found. Summer Inst. Earth Sci., 60; ASSOC. PROF. EARTH SCI. INDIANA UNIV. PA., 62- Nat. Sci. Found. Sci. Faculty fel., Mich. State, 62-63. Mem. Int. Geogr. Union, 54. Asn. Am. Geog. Soc.; Geog. Soc.; Meteorol. Soc.; Asn. Geol. Teachers; Coun. Geog. Ed.; Soc. Oceanog. Earth science disciplines: oceanography; marine meteorology and glacial heat budget. Publ: Geographic influences of Lackawanna County, Pennsylvania; Lecture-laboratory manual in oceanography, Indiana Univ. Pa., 67. Address: Dept. of Earth Science, Indiana University of Pennsylvania, Indiana, Pa. 15701.

PRINCE, DR. THOMAS R (ICHARD), b. New Albany, Miss., Dec. 7, 34; m. ACCOUNTING, ECONOMICS. B.S. Miss. State, 56, M.S., 57; Gen. Elec. fel., Illinois, 60-62, Ph.D. (acct), 62. Acting instr. acct. & statist., Miss. State, 56-57; instr. ACCT., Illinois, 60-62; asst. prof., NORTHWESTERN, 62-65, ASSOC. PROF., 65-. DIR. DOCTORAL PROGRAM, 67- Lectr., Butler, 59-60; Indiana, 59-60. U.S.A., 57-60, 1st Lt. Nat. Asn. Acct.; Am. Acct. Asn.; Econ. Asn. Managerial accounting; business budgeting and control; statistics; controllership; accounting theory; governmental and cost accounting. Publ: Extension of the boundaries of accounting theory, 63 & co-auth. Analytical accounting case problems, 64, South-West, Pub; auth. Information systems for management planning and control, Irwin, 66. Address: 1245 Maple Ave., Wilmette, Ill. 60091.

PRINGLE, PROF. BRUCE M (ARION), b. Fresno, Calif., June 9, 23; m. 48; c. 2. SOCIOLOGY. B.A., California, Los Angeles, 48; M.A., Southern California, 49, Ph.D. (sociol), 53. Asst. mil. sociol., Psychol. Serv. Inc., 50-53; asst. proj. dir. mil. soc. psychol., Mgt. & Mkt. Res. Corp., 53; asst. prof., SOCIOL. SOUTHERN METHODIST, 53-58, ASSOC. PROF., 58-. CHMN. DEPT. SOCIOL. & ANTHROP., 65- Consult. metrop. park study, Tex. Tech. Col., 66-68. U.S.A., 43-46. Sociol. Assn; Nat. Coun. Family Rels. Small group theory and research; research methods; information retrieval in the social sciences. Publ: Co-auth. The sociological and economic impact of urban parks in Dallas, Texas in 1966, Tex. Tech. Col., 67; auth. Method for categorizing descriptive materials, Proc. Pac. Sociol. Soc.; Present state of theory concerning communication patterns in small groups. Address: 826 Northlake Dr., Richardson, Tex. 75080.

PRINGLE, DR. S (TANLEY) L (EROY), Forest Econ, see 11th ed, Phys. & Biol. Vols.

PRINGSHEIM, PROF. KLAUS HUBERT CHARL., b. Berlin, Germany, May 23, 23; U.S. citizen; m. 62; c. 1. POLITICAL SCIENCE. B.A. California, Los Angeles, 56; M.A., Columbia, 60, cert. Chinese govt., E.Asian Inst., 61. Asst. prof. Japanese, Army Lang. Sch., Calif., 49-52; lectr. polit. sci., City Col. New York, 58-59; German, Hong Kong, 60-61; POLIT. SCI. Kansas, 61-64, acting asst. prof., 64-65; asst. prof., Calif. State Col. Hayward, 65-66; ASSOC. PROF., McMASTER, 66- Lectr. Asian affairs, Missouri, Kansas City, 64-65, California, Berkeley, 65-66. U.S.A., 48-52, S/Sgt. Asn. Asian Studies; Asn. Teachers Japanese; Polit. Sci. Asn. Far Eastern politics, especially Japanese, Chinese and Southeast Asian; Japanese and Chinese foreign policy; U.S. Far Eastern policy. Publ: The Sino-Soviet friendship association, 1949-1951, U.S. Info. Serv., 60; China, India and the Himalayan border, Asian Surv., 10/63; China's role in the Indo-Pakistani conflict, China Quart., 65. Address: Dept. of Political Science, McMaster University, Hamilton, Ont., Can.

PRINS, DR. T. DAVID, b. Herkimer, N.Y., Oct. 4, 30; m. 55; c. 4. SPEECH PATHOLOGY, AUDIOLOGY. B.A., Cent. Col. (Iowa), 52; M.A., Michigan, 57, Horace H. Rackham fel., 58, Ph.D. (speech disorders in children), 61. Instr. SPEECH PATHOLOGY, MICHIGAN, 60-63, asst. prof., 63-65, ASSOC. PROF., 66-. DIR. SPEECH & HEARING CAMP, 65-, asst. dir., 60-64. U.S. Dept. Health, Ed. & Welfare study grant, 64-65 & 66-68; Voc. Rehab. Admin. fel., Int. Seminar Stuttering, 66. U.S.A., 52-54. Speech & Hearing Assn. Analysis of the symptoms of speech disturbance, particularly articulation disorders and stuttering. Publ: Analysis of correlations among various articulatory deviations, 62 & Relations among articulatory deviations and responses to a clinical measure of sound discrimination ability, 63, J. Speech & Hearing Disorders; co-auth. Speech and language disorders in children, Chap. 14, In: Practice of pediatrics, Harper, 67. Address: University of Michigan Speech Clinic, 1111 E. Catherine St., Ann Arbor, Mich. 48104.

PRINZ, DR. ANDREW KARL, Hist. Polit. Sci., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

PRINZ, PROF. ARTHUR M (AX), b. Guatemala City, Guatemala, Dec. 3, 98. ECONOMICS. Bismarck Gym, 18; Ph.D., Berlin, 23. Prof. Humboldt Col., Germany, 26-33; res. fel. Stresemann Found., 33-35; joint exec. mgr., German Jewish Aid Soc., 35-39; lectr. & writer, Palestine, 39-47; from asst. prof. to assoc. prof. ECON. DICKINSON COL., 48-56, prof., 56-66, EMER. PROF., 66- William Volker Fund res. grant, 57; Sloan Found. fel.; prof. lectr., George Washington, 64-65. Econ. Asn. Marxian system; international migrations. Publ: Myths, facts and riddles about the literary estate of Karl Marx, In: The search for peace, Schneider, Heidelberg, 61. Address: 1807 Suncrest Dr., Carlisle, Pa. 17013.

PRIOR, DR. ROGER A (N SON), b. Warwick, N.Dak., July 31, 10; m. 49; c. 3. GEOGRAPHY. B.A., Iowa State Teachers Col, 33; S.M., Chicago, 36, Ph.D. (geog.), 47. Asst. prof. geog., Miss. State Col, 37-39; instr. Chicago, 41-42; chief photo document. sect. mil. intel., Army Gen. Staff, 46, geogr., topog. br., intel. div., 47; panel dir. cmt. geog. explor., Res. & Develop. Bd., U.S. Dept. Defense, 48-56, cmt. geophys. & geog., 48-53, staff asst., cmt. gen. sci., 53-56; chief resources anal. div., off. area develop., U.S. DEPT. COMMERCE, 56-61, chief prog. assistance div., area redevelopment, admin., 61-65, CHIEF OFF. PROG. ANAL. & ECON. RES., ECON. DEVELOP. ADMIN., 65- Mem. Nat. Acad. Sci-Nat. Res. Coun. Cmt. Nat. Atlas, 59-61. U.S.A.A.F., 42-45. Asn. Am. Geog. Soc.; Regional Sci. Assn. Urban geography; area economic growth. Publ: Co-auth. Diversification of manufacturing employment for states and metropolitan areas. Address: Office of Program Analysis & Economic Research, Economic Development Administration, U.S. Dept. of Commerce, Washington, D.C. 20006.

PRIORE, DR. ROGER L., b. Buffalo, N.Y., Apr. 21, 38; m. 60; c. 2. STATISTICS, MEDICAL RESEARCH. B.A., State Univ. N.Y., 60, Nat. Cancer Inst. fel. & M.S., 62; Nat. Cancer Inst. fel. & Sc.D. (biostatist.), Hopkins, 65. Statist. asst., ROSWELL PARK MEM. INST., 60, statist. fel., 60-65, sr. cancer res. scientist, 65-67, ASSOC. CANCER RES. SCIENTIST, 67-; RES. ASST. PROF. BIOSTATIST., STATE UNIV. N.Y. BUFFALO, 66- Nat. Cancer Inst. res. grant, 67-71. Chmn. cmt. sci. comput., Roswell Park Mem. Inst., 66- Statist. Asn; Biomet. Soc.; Asn. Comput. Mach. Statistical methodology; mathematical modelling of biological processes; applications of computers in statistics and medical research; linguistic analysis of report narrative. Publ: The ORDAC method of making age adjustments in data, J. Chronic Diseases, 64; Using a mathematical model in the evaluation of human tumor response to chemotherapy, J. Nat. Cancer Inst., 66; Statistical analysis of data from countercurrent distribution, Anal. Biochem., 68. Address: Roswell Park Memorial Institute, 666 Elm St., Buffalo, N.Y. 14203.

PRISCO, PROF. JOSEPH C (ARMEN), Econ, see 10th ed, Soc. & Behav. Vols.

PRITCHARD, PROF. EARL H (AMPTON), Chinese Hist. & Culture, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

PRITCHARD, PROF. LELAND J., b. McClelland, Iowa, Feb. 20, 08. ECONOMICS. A.B., Cornell Col, 29; A.M., Syracuse, 30; Chicago, 32-33; Ph.D., Illinois, 41. Statistician, State Emergency Relief Cmt., Ill., 33-35; consult. pub. admin., Works Progress Admin., 35-38; asst. prof. econ., Millikin, 38-39; asst. instr., Illinois, 39-41; instr., Iowa State Col., 41-42; from asst. prof. to PROF. FINANCE, KANSAS, 42-, chmn. dept. econ., 55-62. Fulbright lectr., Middle E. Tech. Univ., Ankara, 62-63; Am. Econ. Asn. & Nat. Sci. Found. lectr., vis. scientist prog., 65- Consult. Fed. Deposit Ins. Corp., 66- Econ. Asn; Finance Asn. Money and banking; monetary theory; international finance; personal finance. Publ: Money and banking, 2nd ed, 64; Profit or loss from time deposit banking, In: Banking and monetary studies & Readings in financial institutions, Houghton, 64. Address: Dept. of Economics, University of Kansas, R. 207 Su, Lawrence, Kans. 66044.

PRITCHARD, DR. NORRIS T., Agr. Econ, see 10th ed, Soc. & Behav. Vols.

PRITCHARD, DR. ROY M (AXWELL), Physics, Psychol., see 11th ed, Phys. & Biol. Vols.

PRITCHETT, PROF. C (HARLES) HERMAN, b. Latham, Ill., Feb. 9, 07; m. 37; c. 2. POLITICAL SCIENCE. A.B., Millikin, 27, L.H.D., 60; fel., Chicago, 33-34, Ph.D. (polit. sci.), 37. Res. assoc. pub. admin., Tenn. Valley Authority, 34-37; pub. admin. cmt., Soc. Sci. Res. Coun., 37-38; Soc. Sci. Res. Coun. fel., England, 38-39; admin. analyst, U.S. Dept. Labor, 39; asst. prof. POLIT. SCI., CHICAGO, 40-46, assoc. prof., 48-52, PROF., 52-, chmn. dept., 48-55, 58-64. Gaspar G. Bacon lectr., Boston & Charles Hall Dillon lectr., South Dakota, 57; Guy Stanton Ford lectr., Minnesota, 59; vis. prof., Stanford, 66; California, Santa Barbara, 66-67. Adv. Encyclop. Britannica, 55- Mem. staff, cmn. orgn. exec. br. govt., Hoover Cmn., 48; mem. cmn. electoral col. reform, Am. Bar Asn., 66. Polit. Sci. Asn. (pres., 63-64); Soc. Pub. Admin. Constitutional and administrative law; public administration. Publ: American constitution; Congress versus the Supreme Court; Courts, judges and politics. Address: Dept. of Political Science, University of Chicago, Chicago, Ill. 60637.

PRITZKER, L (EON), b. New York, N.Y., June 26, 22. STATISTICS. PSYCHOLOGY. B.S., City Col. New York, 42; M.A., Pennsylvania, 47. Math. statistician, U.S. Bur. Census, 48-67; ASST. TO V. PRES. MKT., ANHEUSER-BUSCH, INC., 67- Sr. res. assoc. opera. res. group, Case, 55-56. Meritorious serv. award, U.S. Dept. Commerce, 53. U.S.A., 43-46. Fel. Statist. Asn.; Opera. Res. Soc. Accuracy of governmental statistics; methods and techniques of surveying human populations; operations research; theory and methods of assessing the accuracy of statistics. Address: 2108 N. Geyer Rd., St. Louis, Mo. 63131.

PROCHAZKA, DR. ADOLF, b. Czech, Aug. 5, 00; m. 30; c. 2. POLITICAL SCIENCE, LAW. Dr. Jur., Masaryk Univ., 24. Privat-docent civil law, Masaryk Univ., 29-34, assoc. prof. civil procedure, 34-45, prof., 45; legal adv. to Czech. Prime Minister, London Off., 40-45; chmn. legal coun., Czech. Admin., 42-45; mem. Czech. Nat. Assembly, Prague, 45-48; minister pub. health, Govt. Czech., 45-48; mem. coun., Free Czech., 49-55; CHMN., EXEC.

CMT, CHRISTIAN DEMOCRATIC UNION OF CENT. EUROPE, 53- Mem. gen. cmt, Assembly of Captive European Nations, 54-; Cmt. Free Czech, 62-; assoc. mem. seminar hist. legal & polit. thought, Columbia, 67-70. Private practice, Czech, 24-38. Consult, Free Europe Cmt, 49-52. Czech Army, 18, 38. Legal philosophy. Publ: Fundamentals of intertemporal law; Cause of action; The making of law and its findings. Address: 29 W. 57th St, Tenth Floor, New York, N.Y. 10019.

PROCHNOW, DR. HERBERT V(ICTOR), b. Wilton, Wis, May 19, 97; m. 28; c. 1. FINANCE. A.B. Wisconsin, 21, A.M. 22, LL.D. 56; Ph.D. Northwestern, 47, hon. LL.D. 63; hon. LL.D. Ripon Col, 50, Lake Forest Col, 64, Monmouth Col, 65, North Dakota, 66; Litt. D. Millikin, 52; hon. L.H.D. Thiel Col, 65. Asst. prof. bus. admin, Indiana, 22-23; lectr. Northwestern, 24-33; asst. cashier, FIRST NAT. BANK OF CHICAGO, 33-36, asst. v.pres, 36-47, v.pres, 47-60, exec. v.pres. & dir, 60-61, pres, 62-68, HON. DIR. 68- Dir. annual summer grad. sch. banking, Wisconsin, 45-; dep. under U.S. Secy. State Econ. Affairs, 55-56, consult. to secy, 55, 57; alternate gov. U.S. Int. Bank & Int. Monetary Fund, 55-56. Secy. adv. coun. Fed. Reserve Syst, 45-; del. Colombo Conf, Singapore, 55; chmn. & del. Gen. Agreement Tariffs & Trade, Switz, 56; del. Orgn. European Econ. Coop. France, 56; pres, Chicago Coun. For. Rels, 66-68. U.S.A. 18-19. Finance Asn.(v.pres, 50); Econ. Asn. Publ: Public speakers treasure chest, rev. ed, 64, World economic problems and policies, 65 & The successful toastmaster, 66, Harper. Address: First National Bank of Chicago, Chicago, Ill. 60690.

PROCHNOW, LLOYD ALFRED, Statist, Econ, see 10th ed, Soc. & Behav. Vols, deceased 66.

PROCTOR, DR. ALVIN H(ORACE), b. South Haven, Kans, July 29, 12; m. 33; c. 1. POLITICAL SCIENCE. B.S. Kans. State Col, 35, M.S. 36, Ph.D. Wisconsin, 48. Asst. hist. Kans. State Col, 35-36; Wisconsin, 38-39, 47-48; instr. hist. & govt, Pratt Jr. Col, 40-43; asst. prof. hist, Ft. Hays Kans. State Col, 43-47; assoc. prof. hist. & govt, KANS. STATE COL, 48-49, chmn. soc. sci. dept, 49-59, PROF. POLIT. SCI, 59-, ACAD. V.PRES, 68-, dean grad. studies, 59-68, exec. v.pres, 66-68. Ford Found. Fund Ad. Ed. fel, 54-55. Mem. Carnegie Roundtable Int. Understanding, 51; Gov. Cmn. Revision Kans. Constitution, 57-63; Nat. Citizenship Clearing House, 58- Polit. Sci. Asn; Hist. Asn. U.S.N.R. 44-46. Lt. History; constitutional revision of Kansas; powers and processes of the American presidency; political party processes at the local level. Publ: Power factors in Kansas constitution revision & Memo to the next president, Midwest Quart. Address: Kansas State College, Pittsburg, Kans. 66762.

PROCTOR, DR. CHARLES H(ARRY), b. Wayne, Mich, June 18, 28; m. 49; c. 1. SOCIOLOGY. B.A. Mich. State, 49, M.A. 51, Ph.D.(sociol), 56. Rural sociologist, Interam. Inst. Agr. Sci, 53-55; asst. prof. STATIST, Mich. State, 56-60; assoc. prof. N.C. STATE, 60-65, PROF. 65- Eval. expert, UNESCO, 59; summer consult, Outdoor Recreation Resources Rev. Cmn, U.S. Govt, 60. Sociol. Asn; Statist. Asn; Psychomet. Soc; Inst. Math. Statist. Social structure; research design in sociology; probability and sampling theory. Publ: Co-ed, The sociometry reader; auth, Sociometric method for distinguishing social structures, In: Human organization research; co-auth, The concept of configuration of interpersonal relations in a group as a time-dependent stochastic process, Psychometrika. Address: Institute of Statistics, Dept. of Experimental Statistics, North Carolina State University, Raleigh, N.C. 27607.

PROCTOR, DR. EDWARD W(ILLIAM), Econ, see 10th ed, Soc. & Behav. Vols.

PROCTOR, PROF. JESSE HARRIS, Jr, b. Durham, N.C, Sept. 3, 24; m. 48; c. 3. POLITICAL SCIENCE. A.B. Duke, 48; M.A. Fletcher Sch. Law & Diplomacy, 49; Ph.D.(polit. sci), Harvard, 55. Instr. POLIT. SCI, Mass. Inst. Tech, 49-54, asst. prof, 54-56; American Univ, Cairo, 56-58; DUKE, 58-61, assoc. prof, 61-66, PROF. 66- Vis. asst. prof, Boston, 55-56; vis. assoc. prof, Univ. Col. Nairobi, Kenya, 64-65. U.S.A.A.F. 43-46. Polit. Sci. Asn; African Studies Asn. African comparative politics; international relations. Publ: Role of the senate in the Kenyan political system, Parliamentary Affairs, 65; The effort to federate East Africa: a post-mortem, Polit. Quart, 66; The Gambia's relations with Senegal: the search for partnership, J. Commonwealth Polit. Studies, 67. Address: Dept. of Political Science, Duke University, Durham, N.C. 27706.

PROCTOR, DR. JOHN H(OWARD), b. Bronx, N.Y, June 3, 31; m. 56; c. 4. INDUSTRIAL PSYCHOLOGY. B.S. Davidson Col, 53; M.S. Purdue, 54, Ph.D. (indust. psychol), 58. Asst. psychol, Purdue, 56-58; asst. training dir, bleached bd. div, W.Va. Pulp & Paper Co, 58-60, dir. training personnel res, 60; mem. tech. staff, syst. sci. dept, Mitre Corp, 60-64; tech. dir. U.S. Strike Command Proj, Data Dynamics, Inc, 64-66, proj. dir. spec. air warfare, 66; GEN. MGR. EAST. OPERS, MELLONICS SYST. DEVELOP. DIV, LITTON INDUSTS, INC, 67- Pres, Mgt. Info. Sys, Inc, 63-; designer & lectr, computer inst, U.S. Dept. Defense, 64-65; lectr, avionics panel, Adv. Group Aeronaut. Res. & Develop, NATO, 65. U.S.A. 54-56, Res, 56- AAAS; Psychol. Asn; Soc. Gen. Sys. Res. Personnel research; management development; individual and team training; normative system exercising for command and control systems; information handling in complex man-machine systems. Publ: Co-auth, Training: a handbook for line managers, Am. Mgt. Asn, 61 & But will it work for you?, Suprvy. Mgt, 1/62; auth, Normative exercising: an analytical and evaluative aid in system design, Int. Elec. & Electronics Eng. Trans. Eng. Mgt, 12/63. Address: 12 Circle Dr, Ft. Walton Beach, Fla. 32548.

PROCTOR, DR. PAUL W(AINWRIGHT), b. Kansas City, Mo, Sept. 14, 95; m. 45. PSYCHOLOGY. B.S. Washington (St. Louis), 36; Univ. Kansas City, 41-42; M.A. Columbia, 45; Hopkins, 46-48; Claremont Col, 48; Ph.D.(clin. psychol), N.Y. Univ, 52. Teacher remedial reading & soc. studies, Friends Sch, Md, 45-47; Slade Sch, 47-48; psychologist, Reading Inst, N.Y. UNIV, 48-50, ASST. DIR. & SR. PSYCHOLOGIST, TESTING & ADVISEMENT CENTER, 50- AAAS; Psychol. Asn; Soc. Proj. Tech. & Personality Assessment; Personnel & Guid. Asn. Counseling and social psychology. Publ: Galvanic skin response as a function of difference between individual reading achievement

and class reading achievement. Address: 44 W. Tenth St, New York, N.Y. 10011.

PROCTOR, PROF. ROY E(STES), b. Owenton, Ky, Apr. 24, 99; m. 32; c. 2. AGRICULTURAL ECONOMICS. B.S. Kentucky, 27, M.S. 30; Ph.D.(agr. econ), Minnesota, 42. Agr. econ. res, Kentucky, 27-30, exten, 30-45, teacher, 46; prof. agr. econ, Georgia, 46-67; RETIRED. Carnegie grant-in-aid, 48. Agr. Econ. Asn. Farm business analysis; agricultural production requirements; economics of adjustments. Publ: Co-auth, Southern Appalachian studies; Farm accounts and budget aid farm management; Type-of-farming areas of Georgia, Bull. Ga. Exp. Sta. Address: 211 University Dr, Athens, Ga. 30601.

PROCTOR, RUSSELL M(KENZIE), b. Winchester, Ky, Sept. 21, 18; m. 41; c. 2. INDUSTRIAL ADMINISTRATION. B.S. Kentucky, 39. MGT. ENGR. & STATISTICIAN, U.S. NAVAL AIR STA, 46- U.S.N.R. 42-46, Comdr. AAAS; Statist. Asn; Nat. Asn. Acct; Inst. Indust. Eng. Address: 1716 Mayview Rd, Jacksonville, Fla. 32210.

PROCTOR, DR. SAMUEL, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

PROFUGHI, DR. VICTOR, b. Dixonville, Pa. Aug. 13, 37; m. 62; c. 3. POLITICAL SCIENCE. B.S. Indiana Univ. Pa, 59; Univ. fel, Pittsburgh, 59-63, Citizen Clearinghouse fel, 60-61, M.A. 62, Ph.D.(polit. sci), 67. ASST. PROF. POLIT. SCI, Shippensburg State Col, 63-66, R.I. COL, 66- Pa. Center Ed. Polit. res. grant, 63-64. Polit. sci. consult, Providence pub. schs, 67- Polit. Sci. Asn. American state and local politics and national political parties. Address: 23 Randall St, Greenville, R.I. 02828.

PROKASY, PROF. WILLIAM F(REDERICK), JR, b. Cleveland, Ohio, Nov. 27, 30; m. 53; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Baldwin-Wallace Col, 52; M.A. Kent State, 54; Ph.D.(exp. psychol), Wisconsin, 57. Mem. staff, psychol. clin, Kent State, 53-54; asst. PSYCHOL, Wisconsin, 54-57; asst. prof, Pa. State, 57-63, assoc. prof, 63-66; PROF. & CHMN. DEPT, UTAH, 66- Nat. Sci. Found. sr. fel, 63-64. Consult, Hear, Inc, Wis, 57-58; HRB-Singer, Inc, 57-60; Vet. Admin, 63- AAAS; fel. Psychol. Asn; Psychomet. Soc; Psychonomic Soc. Mathematical models of behavior; human and animal learning; experimental design and statistics. Publ: Classical conditioning: a symposium, Appleton, 65; Do D and H multiply to determine performance in human conditioning, Psychol. Bull, 67; co-auth, Three components of the classically conditioned GSR in human subjects, J. Exp. Psychol, 67. Address: Dept. of Psychology, University of Utah, Salt Lake City, Utah 84112.

PRONKO, PROF. HENRY, b. McKees Rocks, Pa, Feb. 28, 08; m. 53; c. 2. PSYCHOLOGY. B.A. George Washington, 41; M.A. Indiana, 41, fel, 42-43, Ph.D. 44. Instr. PSYCHOL, Indiana, 43-45; lectr, Shrivensham Am. Univ, 45-46; Biarritz Am. Univ, 46; asst. prof. City Col. New York, 46-47; PROF. & HEAD DEPT, WICHITA STATE, 47- Fulbright lectr, Istanbul, Turkey, 52-53; Ford Found. vis. prof, Cracow, Poland, 59; Inter-Univ. summer traveling grant to Soviet Union Unions, 56; Rothschild fel. vis. prof, Israel Inst. Tech, 63. AAAS; Psychol. Asn; Soc. Clin. Hypnosis. Abnormal psychology and perception. Publ: Co-auth, Empirical foundations of psychology & Vision with spatial inversion; auth, Panorama of psychological research, Wadsworth, 69. Address: Dept. of Psychology, Wichita State University, Wichita, Kans. 67208.

PRONOVOST, DR. WILBERT (LUCIEN), b. Waterbury, Conn, July 6, 14; m. 40; c. 2. SPEECH. B.A. Maine, 35; M.A. Iowa, 37, Ph.D.(speech path), 39. Asst. speech, Iowa, 37-39; instr, Purdue, 39-40; from instr. to asst. prof, Queens Col.(N.Y.), 40-48; asst. prof. speech ed, BOSTON, 48-59, PROF. SPEECH & HEARING, 59- Jr. develop. engr, Hazeltine Electronics Corp, N.Y. 42-45. Speech & Hearing Asn;(v.pres, 63); Coun. Except. Children. Voice; applications of physics and electronics in study of voice; speech and hearing therapy; speech problems of the deaf including use of electronic visual feedback systems. Publ: Co-auth, Teaching speaking and listening, McKay, 59; The voice visualizer, Boston Univ, 67; Speech behavior of autistic children, Parent's Sch. Atypical Children, Mass, 66. Address: School of Education, Boston University, Boston, Mass. 02215.

PROPHET, PROF. EDWARD C(HRISTIAN), Geog, see 10th ed, Soc. & Behav. Vols, deceased 62.

PROPHET, DR. WALLACE W(ILLIAM), b. Pembroke, Fla, Nov. 22, 27; m. 49; c. 1. EXPERIMENTAL PSYCHOLOGY. A.B. Florida, 51, M.A. 52, Ph.D.(psychol), 58. Res. aide pop. study, med. center, Florida, 52, instr. psychol, 53-58; res. assoc, State Alcoholic Rehab. Prog, Fla, 54; from res. assoc. to DIR. RES. DIV. 6 AVIATION, HUMRRO, GEORGE WASHINGTON, 58- Pres, Appl. Psychol. Assocs, Inc, Ala, 66- U.S.A.F. 46-48, Sgt. Psychol. Asn; Asn. Aviation Psychol. Aviation training methods, flight training devices and simulators; task analysis, test construction and criterion measurement; development and engineering of training programs; military psychology. Address: 1528 Plaza Dr, Dothan, Ala. 36301.

PROSCHAN, DR. FRANK, Math. Statist, see 11th ed, Phys. & Biol. Vols.

PROSS, DR. A(UGUST) PAUL, b. London, Eng, Jan. 2, 39; Can. citizen; m. 65. POLITICAL SCIENCE. B.A. Queen's (Ont), 62, Prov. Ont. fels, 62-63, M.A. 63; univ. fel, Massey Col, 63-64; Ph.D.(polit. sci, pub. admin), Toronto, 67. Historian, Ont. Dept. Lands & Forests, 65-67; ASST. PROF. POLIT. SCI, DALHOUSIE, 67- Prin. researcher, Can. Coun. grant, summer 68. Can. Polit. Sci. Asn; Inst. Pub. Admin. Can. Canadian federal and provincial public administration, particularly problems of policy formation and resource administration. Publ: Co-auth, Renewing nature's wealth: a centennial history of lands, forest and wildlife management in Ontario, Copp Clary, 67; auth, The professions and the public service: the case of the foresters in Ontario, Can. Pub. Admin, 9/67. Address: Dept. of Political Science, Dalhousie University, Halifax, N.S., Can.

PROSSER, PROF. DON D(AVENPORT), Ed. Psychol, see 10th ed, Soc. & Behav. Vols.

PROSSER, DR. MICHAEL H, Speech Commun, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

PROTHRO, DR. E(DWIN) TERRY, b. Robeline, La, Dec. 11, 19; m. 43; c. 2. PSYCHOLOGY. A.B. La. Col. 39; M.A. Louisiana, 40, fel. 39-42, Ph.D. (psychol), 42. Asst. personnel technician, U.S. Dept. Army Air Force, N.C., 42-43; asst. prof. PSYCHOL, Louisiana, 46-49; assoc. prof. Tennessee, 49-51; AMERICAN UNIV. BEIRUT, 51-55, prof., 55-65, DEAN FACULTY ARTS & SCI, 65-, PROVOST, 67-. Assoc. prof. Brooklyn Col., 53-54; lectr. Michigan, 57-58; fel. Center Middle East. Studies, Harvard, 59-60. U.S.N.R., 43-46, Lt. Psychol. Asn; Sociol. Asn. Cross-cultural study of motivation, personality and child rearing practices; changing patterns of family life in Middle East. Publ: Child rearing in the Lebanon; Patterns of permissiveness among pre-literate peoples, J. Abnorm. & Soc. Psychol; Socialization and social class in a transitional society, Child Develop, 66. Address: American University of Beirut, Beirut, Lebanon.

PROTHRO, DR. JAMES W(ARREN), b. Robeline, La, Apr. 15, 22; m. 43; c. 3. POLITICAL SCIENCE. B.A., N.Tex. State Col., 43; Edinburgh, 46; Carleton fel. La. State, 47, M.A., 48; Rosenwald fel. Princeton, 47-49, M.A., 49, Sanaxyl fel. 49-50, Ph.D. (poli), 52. Asst. prof. polit. sci. Fla. State, 50-53, assoc. prof., 53-57, prof., 57-60; vis. prof. & vis. res. prof. NORTH CAROLINA, CHAPEL HILL, 60-61, prof. & res. prof. INST. RES. SOC. SCI, 61-67, DIR. INST., 67-. DIR. LOUIS HARRIS POLIT. DATA CENTER, 65-. Fund Adv. Ed. faculty fel. Columbia, 54-55; Rockefeller Found. res. grant, 60-64; Soc. Sci. Res. Coun. res. grant, 63-64; vis. prof. Chile & Ford Found. proj. specialist, 66-67; Ford Found. study grant, nat. elections through statewide electoral anal, 67-70. Consult. Nat. Broadcasting Co. news dept. presidential election, 64-. U.S. Cmn. Civil Rights, 64-65. Book rev. ed. Am. Polit. Sci. Rev., 65-. ed. Harbrace Series in Polit. Behav., 66-. Mem. adv. bd. J. Polit., 65-. Soc. Sci. Res. Coun. cmt. govt. & legal processes, 67-68. U.S.A., 43-46, Capt. Polit. Sci. Asn. Public opinion; political behavior; American politics. Publ: Dollar decade, business ideas in the 1920's; Politics of American democracy; co-auth. Negroes and the new Southern politics, Harcourt, 66. Address: 306 Elliott Rd, Chapel Hill, N.C. 27514.

PROULX, DR. DONALD ALLEN, b. Milwaukee, Wis, May 27, 39. ANTHROPOLOGY. B.S. Wisconsin, Milwaukee, 61; Ph.D. (anthrop), California, Berkeley, 65. ASST. PROF. ANTHROP. MASSACHUSETTS, AMHERST, 65-. Univ. Massachusetts faculty grant & Am. Mus. Nat. Hist. grant, work in Peru, 67. Qm.C. U.S.A. 61-65, 1st Lt. Fel. Anthropol. Asn; Soc. Am. Archaeol; Inst. Andean Studies. Peruvian archaeology, especially the north and south coastal areas; South American archaeology in general; Old World prehistory; culture change. Publ: Local differences and time differences in Nasca style pottery. Pub. Anthropol. Univ. Calif. (in press). Address: Dept. of Anthropology, University of Massachusetts, Amherst, Mass. 01002.

PROUTY, DR. DAVID L, b. Rutland, Mass, July 30, 28. PSYCHOLOGY. B.A. Colgate, 51; M.S., Tulane, 57. Ph.D. (psychol), 59. Instr. PSYCHOL, MIDDLEBURY COL., 59-62, asst. prof., 62-68, ASSOC. PROF., 68-. U.S.A., 46-47. AAAS: Psychol. Asn. Learning theory: developmental change in performance. Publ: Co-auth. Frustrative factors in selective learning with reward and nonreward as discriminanda, J. Exp. Psychol. Address: Dept. of Psychology, Middlebury College, Middlebury, Vt. 05753.

PROVOST, DR. DAVID H, b. Santa Monica, Calif, June 20, 30; m. 56. INTERNATIONAL RELATIONS, POLITICS. B.A. Pomona Col., 52; Fulbright scholar, Queensland, 52-53, Ph.D., 55. Asst. prof. POLIT. SCI, Pepperdine Col. 55-57; FRESNO STATE COL., 58-64, ASSOC. PROF., 64-. Am. Polit. Sci. Asn. Cong. fel. 57-58; vis. prof. & Fulbright lectr. New South Wales, 67. Am. Polit. Sci. Asn; Australian Polit. Sci. Asn. American congressional politics; the British Commonwealth, especially Australia and New Zealand; Australian federalism; California state politics. Publ: The rise of Ronald Reagan, Australian Quart, 3-6/68. Address: Dept. of Political Science, Fresno State College, Fresno, Calif. 93726.

PRUETTE, DR. LORINE L(IVINGSTON), b. Millersburg, Tenn, Nov. 3, 96. PSYCHOLOGY. B.S. Chattanooga, 18; M.A. Clark, 20; Ph.D. (sociol), Columbia, 24. Res. psychologist, R.H. Macy Dept. Store, 25-26; lectr. grad. sch. N.Y. Univ., 26-27; dir. res. Cmt. Soc. Attitudes, 28-29; consult. psychologist & lectr., 29-32; dir. study, Nat. Coun. Women, 32-33; ed. personnel study, Am. Woman's Asn, 34-35; consult. cmt. human rels, Progressive Ed. Asn, 36-38; ed. Nat. Bur. Econ. Res., 41-43; prog. supvr. overseas radio, OWI, 43-45; consult. psychologist, 45-63; clin. staff psychologist, Flower Fifth Ave. Hosps, N.Y.C., 54-63; assoc. res. psychologist, N.Y. Med. Col., 54-63; lectr. Chattanooga, 63-64; prof. Tennessee, 64-66. Supv. psychologist, N.Y. Clin. Ment. Health, 60-62. Consult. Ed. Guid. & Counseling Serv. Tenn, 55-57. Psychol. Asn. Psychotherapy. Publ: Women and leisure; G. Stanley Hall, a biography of a mind; Parent and the happy child. Address: 1606 Shady Circle, Chattanooga, Tenn. 37405.

PRUFER, DR. OLAF, b. Berlin, Germany, Oct. 3, 30; m. 58; c. 2. ANTHROPOLOGY. B.A. Harvard, 56, M.A., 58, Ph.D. (anthrop), 61. Instr. anthrop. Case, 59-61, asst. prof., 61-64, assoc. prof. & head grad. prog., 64-67; PROF. ANTHROP. MASSACHUSETTS, 67-. Curator anthrop. Cleveland Mus. Natural Hist., 59-61; Nat. Sci. Found. grants, 60-. res. assoc. Carnegie Mus. Pittsburgh, 63-. Fel. Anthropol. Asn; Soc. Am. Archaeol. Palaeo-Indian studies and late Pleistocene geochronology; prehistoric eastern woodland settlement patterns; old world Palaeolithic prehistory; human evolution. Publ: Co-auth. Palaeo-Indians of Ohio, Ohio Hist. Soc. 63; auth. The McGraw site: a study in Hopewellian dynamics, Cleveland Mus. Natural Hist. Sci. Pub. 65; co-ed. Studies in Ohio Archaeology, Western Reserve, 67. Address: Dept. of Anthropology, University of Massachusetts, Amherst, Mass. 01002.

PRUIS, PROF. DONALD EUGENE, b. Grand Rapids, Mich, Mar. 7, 30; m. 52; c. 3. ACCOUNTING, STATISTICS. A.B. Calvin Col., 51; M.B.A., Michigan, 53. Cert. pub. acct., 52-55; instr. ECON. & BUS. ADMIN, CALVIN COL., 57-61, asst. prof., 62-67, ASSOC. PROF., 67-. W.A. Paton Fund acct. scholar, Michigan, 59-60, lectr. grad. sch. bus. admin, 63-64 & 67-68. U.S.A.F., 55-57, Res., 57-62, 1st Lt. Acct. Asn; Inst. Cert. Pub. Acct. Information sys-

tems for cost control and management decision-making; transfer pricing; economic statistics. Address: Dept. of Economics & Business Administration, Calvin College, Grand Rapids, Mich. 49506.

PRUIS, PRES. JOHN J, b. Borculo, Mich, Dec. 13, 23; m. 44; c. 3. SPEECH. B.S. Western Michigan, 47; fel. Northwestern, 48-51, M.A., 49, Ph.D. (speech), 51. Teacher, pub. sch. Mich., 42-43; supv. teacher, campus sch. Western Michigan, 47-48; instr. SPEECH, Iowa State Teachers Col., 51-52; from asst. prof. to assoc. prof., Southern Illinois, 52-55; from assoc. prof. to prof. & dir. summer session, Western Michigan, 55-68, asst. dean, sch. lib. arts & sci., 61-62, asst. to pres., 62-66, v. pres. admin., 66-68; PRES. BALL STATE, 68-. U.S.N.R., 43-46, Res., 46-. Capt. Speech Asn. Speech and language development of children; interpersonal communication. Publ: General speech training in the elementary school; Encouraging participation in classroom discussion; Speech and the communication course. Address: Ball State University, Muncie, Ind. 47306.

PRUITT, PROF. CLARENCE M(ARTIN), Chemistry, see 11th ed, Phys. & Biol. Vols.

PRUITT, PROF. DEAN G(ARNER), b. Philadelphia, Pa, Dec. 26, 30; m. 59; c. 3. SOCIAL PSYCHOLOGY. A.B. Oberlin Col., 52; M.S., Yale, 54, Ph.D., 57. Intern. clin. psychol. Conn. State Hosp., 56-57; U.S. Pub. Health Serv. res. fel. soc. psychol. Michigan, 57-59; res. assoc. int. rels. Northwestern, 59-61; asst. prof. PSYCHOL, univ. & asst. res. prof., center res. on soc. behav. Delaware, 61-64, ASSOC. PROF., 64-66; STATE UNIV. N.Y. BUFFALO, 66-. Psychol. Asn; Polit. Sci. Asn. Interpersonal interaction; international politics; decision making. Publ: Problem solving in the Department of State, Univ. Denver, 64; Pattern and level of risk in gambling decisions, Psychol. Rev.; Reward structure and cooperation: the decomposed prisoners dilemma game, J. Personality & Soc. Psychol., 67. Address: Dept. of Psychology, State University of New York at Buffalo, Buffalo, N.Y. 14214.

PRUITT, EVELYN L(ORD), Geog, see 11th ed, Suppl. IV to Phys. & Biol. Vols.

PRUNTY, PROF. MERLE CHARLES, JR, b. St. Joseph, Mo, Mar. 2, 17; m. 39; c. 3. GEOGRAPHY. B.S. Missouri, 39, A.B. & A.M., 40; fel. Clark, 40-42, Ph.D. (geog), 44. Asst. Missouri, 39-40; asst. to C.F. Jones, Clark, 41-42; asst. prof. GEOG, Miss. State Col., 42-43, assoc. prof., 43-45; PROF., GEORGIA, 46-. HEAD DEPT., 61-. head dept. geog. & geol., 46-61, asst. to chancellor, 51. Summer vis. prof. Northwestern, 54; Guggenheim Found. fel., 57-58; Soc. Sci. Res. Coun. award, 64. Consult. Atlantic Steel Co. Keystone Steel & Wire Co., Northwestern Steel & Continental Steel Co., 58-59; Tara Plantation, Inc., 59-. President's Cmt. Equal Employ. Opportunity, 61-64; Ed. Testing Serv., 64-. consult. & rev. panelist, U.S. Off. Ed., 64-66. Mem. Int. Geog. Union; chmn. Mid. Am. Cmt. sect. geog. & geol. Nat. Res. Coun., 48-50. U.S. nat. del. Int. Geog. Cong., 64. Am. Geog. Soc.; Asn. Am. Geog. (award, 55, citation, 63); Nat. Coun. Geog. Ed. Agricultural geography and its physical bases in northwestern Tennessee; agricultural regions and resources of the South; metallic alloys; Middle American mineral and agricultural industries; distribution and shifts in cotton industry; organization and management of land holdings; southern land occupancy types. Publ: Central Gulf South, Doubleday, 60; co-auth. Festschrift: Clarence F. Jones, Northwestern, 62; auth. Woodland plantation in the South, Geog. Rev., 63. Address: Dept. of Geography, University of Georgia, Athens, Ga. 30602.

PRUSER, DR. ETHA MARIE, Geog, see 11th ed, Phys. & Biol. Vols.

PRUYSER, DR. PAUL W(ILLEM), b. Amsterdam, Holland, May 28, 16; nat; m. 46; c. 3. PSYCHOLOGY. Amsterdam, 46-48; Ph.D. (clin. psychol), Boston, 53. Asst. instr. child psychol. Boston, 49-50; staff clin. psychologist, Nat. Vet. Epilepsy Center, 50-54; Topeka State Hosp., 54-55; MENNINGER FOUND., 56-62, assoc. dir. DEPT. ED., 62-64, DIR., 64-. Vis. prof., Federated Theol. Faculty, Chicago, 59; vis. lectr. McCormick Theol. Sem., 62; Lyman-Beecher lectr. divinity sch. Yale, 68. Chmn. cmt. res. & ed. Kans. Neurol. Inst. 62-. AAAS; Psychol. Asn; Soc. Sci. Study Relig. (v. pres., 64-65); Asn. Ment. Deficiency; Asn. Am. Med. Col. Psychology of religion; neuro-psychology. Publ: Co-auth. A manual for psychiatric case study, 2nd ed, Grune, 62 & The vital balance, Viking, 63; auth. A dynamic psychology of religion, Harper, 68. Address: N.W. 35th St., R.R. 6, Topeka, Kans. 66608.

PRUZEK, DR. ROBERT M, b. Los Angeles, Calif, Feb. 24, 40; m. 64; c. 1. EDUCATIONAL PSYCHOLOGY, STATISTICS. B.S. Wis. State, River Falls, 61; M.S. Wisconsin, 63, Ph.D. (ed. psychol), 67. ASSOC. PROF. ED. PSYCHOL, STATE UNIV. N.Y. ALBANY, 65-. Summers, vis. lectr. Pittsburgh, 64, Ont. Inst. Studies Ed. 66-67. Res. design consult. div. res. N.Y. State Dept. Ed., 66-67, design anal. consult., 67-. resource consult. Ont. Asn. Curriculum Develop., 67. AAAS; Ed. Res. Asn; Nat. Coun. Measurement in Ed; Psychomet. Soc. Factor analysis and related methods for multivariate analysis; educational and psychological test development and analysis; statistical methods and research design for educational experimentation. Publ: Prediction of success in elementary statistics, J. Ed. Measurement, fall 64; co-auth. Factor analysis study of mathematical sections of scholastic aptitude test, Ed. Testing Serv., spring 66. Address: Dept. of Educational Psychology, State University of New York at Albany, Albany, N.Y. 12203.

PRYBYLA, PROF. JAN S(TANISLAW), b. Katowice, Poland, Oct. 21, 27; m. 58. ECONOMICS. B.Com. nat. univ. Ireland, 49, M.Econ.Sc. 50, Ph.D., 53; dipl. Strasbourg, 52. Asst. to pres. Free Europe Univ. Exile, France, 53-58; PROF. ECON, PA. STATE, 58-. Liberal Arts scholar, Pa. State, 66. Econ. Asn; Asn. Comp. Econ. History of economic thought. Publ: Co-auth. World tensions: conflict and accommodation, 67 & co-ed. From underdevelopment to affluence: Western, Soviet and Chinese views, 68, Appleton. Address: Dept. of Economics, Pennsylvania State University, Boucke Bldg, University Park, Pa. 16802.

PRYER, DR. RONALD S(TANLEY), b. Shreveport, La, July 1, 30; m. 56. PSYCHOLOGY. B.A. Centenary Col., 52; M.A., La. State, 56, Ph.D., 59. Clin. psychologist, CENT. LA. STATE HOSP., 58-59, CHIEF PSYCHOLOGIST, 59-. ASSOC. PROF. PSYCHOL, LA. COL., 60-. Spec. lectr. La. State, 61. Con-

- sult, St. Mary's Training Sch, 58-; La. State Indust. Schs. Girls, 59- Chmn, La. State Bd. Exam. Psychologist, 67-70; mem. ment. health serv. res. rev. cmt, Nat. Inst. Ment. Health, 67-71. Psychol. Asn. Objective measures of behavioral change in psychotics; effects of anoxia or interpolated activities at different temporal positions on retention. Publ: Retroactive inhibition in slow and fast learners as a function of temporal position of the interpolated task; co-auth, Quantification of gross bodily activity in children with severe neuropathology, Am. J. Ment. Deficiency; Concept of projection, a review, Psychol. Bull. Address: Central Louisiana State Hospital, Pineville, La. 71360.
- PRYOR, DR. FELICIA ANNE (YODER), b. Seymour, Ind, June 22, 38; m. 62. COUNSELING PSYCHOLOGY. B.A. Washington Col, 58; M.S. Purdue, 59, Ph.D.(counseling psychol), 62. Teaching asst. ed. psychol, Purdue, 58-59, res. asst. counseling psychol, res. found, 59-61, instr. sociol, 62-63; ASST. PROF. PSYCHOL, LA. STATE, 63- Counsr-trainee, residence halls, Purdue, 60-61, prog. dir, Canterbury House, summer 61; counseling psychologist, forensic unit, E.La. State Hosp, 64-65; psychol. testor, Personnel Lab. Inc, 64-67; consult. psychologist, Nat. VISTA Proj, summer 66; psychol. testor, Proj. Head Start, summer 66; psychol. lectr, U.S. Dept. Employ. security, summer 66, 67; La. State Grad. Res. Coun. res. grant, 66-68. Psychol. Asn; Personnel & Guid. Asn. Developmental psychology, child and adolescent; tests and measurements. Publ: Co-auth, Psychoanalytically oriented therapy, In: Clinical psychology, an introduction, Ronald, 66. Address: Dept. of Psychology, Peabody Hall, Louisiana State University, Baton Rouge, La. 70803.
- PRYOR, DR. FREDERIC L, b. Owosso, Mich, Apr. 23, 33; m. 64. ECONOMICS. B.A. Oberlin Col, 55; M.A. Yale, 57, Ph.D.(econ), 62; Free Univ. Berlin, 59-61. Asst. prof. econ, Michigan, 62-64; res. staff economist, Yale, 64-66; ASSOC. PROF. ECON, SWARTHMORE COL, 67- Vis. assoc. prof, Lincoln (Pa), 67. Econ. Asn; Asn. Study Soviet-Type Econ; Asn. Adv. Slavic Studies; Asn. Comp. Econ. Empirical comparisons of socialist and capitalist economies; public expenditures and social economics. Publ: The communist foreign trade system, M.I.T. Press, 63; Public expenditures in communist and capitalist nations, Irwin, 68. Address: Dept. of Economics, Swarthmore College, Swarthmore, Pa. 19181.
- PRYOR, DR. ZORA PROCHAZKA, b. Prague, Czech, July 3, 26; nat; m. ECONOMICS. B.A. Geneva, 49; M.A. Paris, 51; Ph.D. Harvard, 60. Asst. econ. res. proj. Am. economy, Harvard, 55-57; economist, for. manpower res. off, U.S. Bur. Census, 59-62; econ. analyst, RES. ANAL. CORP, McLEAN, VA, 62-64, CONSULT. ECON. DEVELOP. EAST. EUROPE, 64- Am. Coun. Learned Soccs. travel grant, 66. Econ. Asn; Asn. Adv. Slavic Studies. Economic development of Czechoslovakia in the interwar years. Publ: The labor force of Bulgaria; co-auth, The labor force of Poland, U.S. Bur. Census, 64. Address: 3 Crum Ledge Lane, Swarthmore, Pa. 19081.
- PRZYGODA, JACEK, b. Poland, Oct. 31, 10; nat. ECONOMICS. B.A. Sandomierz, Poland, 30; dipl. Warsaw, 36; M.A. Louvain, 47; Ph.D.(socio-econ), Ottawa, 52. Instr. econ. & relig. St. Mary's Col.(Mich), 48-55; from instr. to PROF. ECON. & CHMN. DEPT, LOYOLA (CALIF), 55- Belgium Army, 40-44. Econ. Asn; Polish-Am. Hist. Asn. Economic history of Polish Americans; economic society; socioeconomic theory. Publ: Life with Poles in Belgium; Historical sketch of Polish-American community. Address: Dept. of Economics, Loyola University of Los Angeles, Los Angeles, Calif. 90045.
- PSATHOS, PROF. GEORGE, b. New Haven, Conn, Feb. 22, 29; m. 51; c. 3. SOCIOLOGY. B.A. Yale, 50, Ph.D.(sociol), 56; summer, Oxford, 50; M.A. Michigan, 51. Asst. instr. sociol, Yale, 53-55; instr. Indiana, 55-59, asst. prof, 59-63; assoc. prof. & res. assoc. soc. sci. inst, Washington (St. Louis), 63-68, prog. dir. community ment. health res. training prog, 66-68; PROF. SOCIOL, BOSTON, 68- Nat. Insts. Health fel, 61-62; co-prin. investr, coalition formation in triads, Nat. Sci. Found, 60-62; prin. investr, exp. tasks for studying group disorgn, Nat. Inst. Ment. Health, 60-61, comput. anal. interaction, 63-69; co-prin. investr, role differentials & nursing ideol, div. nursing, U.S. Pub. Health Serv, 64-67; vis. lectr, Colorado, summer, 63; mem, Midwest Group Human Resources. Fel. Sociol. Asn; Soc. Study Soc. Probs. (treas, 59-61); Psychol. Asn. Social psychology and interaction; medical sociology. Publ: The student nurse and the diploma school of nursing. Springer, 68; Problems and prospects in computer systems of content analysis, Sociol. Quart, 66; Ethnomethods and phenomenology, Soc. Res, 68. Address: Dept. of Sociology & Anthropology, Boston University, Boston, Mass. 02215.
- PSOMAS, DR. THEMISTOCLES, b. Athens, Greece, July 27, 27. PSYCHOLOGY. B.A. Southern California, 51; Ph.D. California, 57. Asst. PSYCHOL, California, 54-57; instr, SAN DIEGO STATE COL, 57-58, from asst. prof. to ASSOC. PROF. 58- Psychol. Asn. Motivation; factor analysis; personality theory. Address: Dept. of Psychology, San Diego State College, San Diego, Calif. 92115.
- PTACEK, PROF. PAUL H(ENRY), b. Denver, Colo, July 23, 18; m. 46; c. 2. SPEECH PATHOLOGY. B.A. Colorado, 40; M.A. Denver, 47; Ph.D.(speech path), Minnesota, 53. Teacher, high sch, Colo, 40-41; asst. basic commun, Denver, 46-47; asst. prof. speech, Tex. Col. Arts & Indust, 47-48; Drake, 48-49; sr. speech clinician & instr, Minnesota, 49-53, asst. prof, 53-57, assoc. prof, 57, asst. dir. clin, 52-57; assoc. prof. speech & hearing, CASE WESTERN RESERVE, 57-67, PROF. SPEECH, SPEECH PATH. & AUDIOL. & CHMN. DEPT, 67-; DIR. PRFN. ED, CLEVELAND HEARING & SPEECH CENTER, 57- U.S.A.A.F. 42-46, Res, 46-, Lt. Col. AAAS: Psychol. Asn; Acoustical Soc; Speech & Hearing Asn; Int. Soc. Gen. Semantics. Dichotic stimulation; changes in phonation with advancing age; effects of speech therapy; processes involved in evaluating and diagnosing speech disorders. Publ: Co-auth, Phonatory and related change with advanced age & Age recognition from voice, J. Speech & Hearing Res, 66; auth, Supportive personnel as an extension of the professional workers nervous system, Asha, 67. Address: Dept. of Speech Pathology & Audiology, Case Western Reserve University, 11206 Euclid Ave, Cleveland, Ohio 44106.
- PUBOLS, DR. BEN H, b. Hillsboro, Ore, July 29, 99; m. 30; c. 2. AGRICULTURAL ECONOMICS. B.S. Oregon State, 26; M.S. Kansas State, 27; M.A. Harvard, 39, Ph.D, 43. Agr. expert, U.S. Tariff Cmn, 28-30; agr. specialist, U.S. Bur. Census, 30-32; agr. economist, U.S. Dept. Agr, 33-34; prof. agr. econ. & head dept, Washington State, 34-43; agr. economist, bur. agr. econ, U.S. Dept. Agr, 43-53, agr. mkt. serv, 54-61, econ. res. serv, 61-66, head fruit sect, 62-66; RETIRED. Leader type-of-farming invest, Columbia Basin Irrig. Proj, Wash, 39-43. Mem. wartime food cmt, U.S. Dept. Agr, 43-46. Agr. Econ. Asn; Statist. Asn. Price analysis; food consumption; production and population trends. Publ: Projections of apple production in the United States, Monogr. U.S. Senate; Prospective farming on the Columbia Basin Irrigation Project, Wash. State Agr. Exp. Sta. Bull. Address: 5249 N. 26th St, Arlington, Va. 22207.
- PUCKETT, PROF. N(EWELL) N(ILES), Sociol, see 10th ed, Soc. & Behav. Vols, deceased 67.
- PUCKETT, DR. ROBERT HUGH, b. Kansas City, Mo, July 18, 35; m. 64. POLITICAL SCIENCE. B.A. DePauw, 57; M.A. Chicago, 58, Ph.D.(polit. sci), 61. ASST. PROF. polit. sci, Mary Washington Col, Virginia, 61-63, univ, 64-66; SOC. SCI, MICH. STATE, 66- Soc. Sci. Res. Coun. fel. & vis. scholar, Mass. Inst. Tech, 63-64; summer faculty fel, Soc. Sci. Inst. Israel, 65. Consult, Rand Corp, 62. Polit. Sci. Asn. International relations; comparative politics; American foreign policy. Publ: The military role in space, In: Reflections on space, U.S. Air Force Acad, 64; American space policy: civilian-military dichotomy, Air Univ. Rev, 65; The project Apollo decision, Va. Soc. Sci. J, 66. Address: Dept. of Social Sciences, Bessey Hall, Michigan State University, East Lansing, Mich. 48823.
- PUERCKHAUER, DR. GERHARD W(ILHELM) R(ICHARD), Org. Chem, see 11th ed, Phys. & Biol. Vols.
- PUFF, DR. C(LINTON) RICHARD, b. Monaca, Pa, Jan. 23, 38; m. 63; c. 1. PSYCHOLOGY. B.A. Lafayette Col, 60; M.A. Connecticut, 61, Ph.D.(psychol), 64. ASST. PROF. PSYCHOL, Connecticut, 64-65; FRANKLIN & MARSHALL COL, 65- Psychol. Asn; Psychonomic Soc. Role of organizational processes in human verbal learning and memory. Publ: Clustering as a function of the sequential organization of stimulus word lists, 66 & Development of intertrial organization with simultaneous presentation of stimulus items, 67, J. Verbal Learning & Verbal Behav; An empirical comparison of two measures of intertrial organization in free recall, Psychonomic Sci, 67. Address: Dept. of Psychology, Franklin & Marshall College, Lancaster, Pa. 17604.
- PUFF, PROF. HAROLD FREDERICK, b. Newport, Ky, Jan. 5, 16; m. 53; c. 3. BUSINESS MANAGEMENT. B.S. Miami (Ohio), 38; Columbia, 47; M.B.A. Michigan, 48; Southern California, 48; Chicago, 49; D.B.A. Indiana, 57. Instr. indust. mgt, MIAMI (OHIO), 48-49, asst. prof, 49-57, assoc. prof, 57-66, PROF. MGT, 66-, acting chmn. dept, 54-59, Steel Workers Inst. instr, wage incentive workshop, 55-60. Found. Econ. Ed. fel, 50; Ford-Carnegie fel, 58; fel, Case, 61; summer vis. lectr, sch. bus. admin, Michigan, 64 & 65. Consult, civil eng. sch, U.S. Air Force, Wright-Patterson Air Force Base, Ohio, 55- U.S.A. 42-46, Sgt. Soc. Adv. Mgt; Soc. Personnel Admin; Indust. Rels. Res. Asn; Inst. Indust. Eng; Inst. Mgt. Sci; Inst. Mgt. Management and organization; industrial engineering and relations. Publ: Organization practices and problems of selected group of small manufacturing companies; Building a philosophy of management, Personnel, 11-12/65; Management by objectives, Credit Union Exec, summer 67. Address: Dept. of Management, Miami University School of Business Administration, Oxford, Ohio 45056.
- PUFFER, PROF. CLAUDE E(MIGH), b. Lake City, Iowa, Feb. 13, 05. ECONOMIC. B.B.A. Washington (Seattle), 32, A.M. 33; Rosenberg fel, Stanford, 37-38, Ph.D, 40. Instr. ECON, STATE UNIV. N.Y. BUFFALO, 38-41, asst. prof, 41-42, PROF. 42-, V.PRES, 55-, acting dean sch. bus. admin, 42-45, dean admin, 45-51, treas, 51-55, acting chancellor, 55-57. Econ. Asn. Air transportation; air transport regulation, rates and services. Publ: Air transportation; Regulation of air carriers; Air transportation services and facilities. Address: Dept. of Economics, 139 Hayes Hall, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- PUFFER, DR. RUTH R(ICE), b. Mass, Aug. 31, 07. STATISTICS. B.A. Smith Col, 29; Hopkins, 37-38; Dr.P.H. Harvard, 43. Dir. statist. serv. State Dept. Pub. Health, Tenn, 33-53; CHIEF HEALTH STATIST. BR. PAN AM. HEALTH ORGN, REGIONAL OFF, WORLD HEALTH ORGN, 53- Vis. prof, Sch. Pub. Health, Chile, 46; instr, med. sch, Vanderbilt, 47-53; lectr, Meharry Sch. Nursing, 49-53. Consult. UN, 50. Fel. Statist. Asn; Pop. Asn; Pub. Health Asn.(v.pres, 50-51); Int. Union Sci. Study of Pop. Public health: application of statistical methods in public health; epidemiology; least squares and laws of population growth; inter American investigation of mortality. Publ: Familial susceptibility to tuberculosis; Practical statistics in health and medical work; co-auth, Patterns of urban mortality, Pan Am. Health Orgn, 67. Address: Pan American Health Organization, Regional Office, World Health Organization, 525 23rd St. N.W. Washington, D.C. 20037.
- PUGH, PROF. MELVILLE WESTBROOK, JR, b. Sparrows Point, Md, Oct. 9, 26; m. 53; c. 2. SOCIOLOGY. B.A. Morgan State Col, 49; M.A. Iowa, 52; Hopkins, 59; summer, Yale, 61; fel, Maryland, 62-63. Acting chmn. dept. soc. sci, Grambling Col, 53-54, instr. SOCIOL, 51-56; MORGAN STATE COL, 56-63, asst. prof, 63-67, ASSOC. PROF, 67-, acting chmn. dept, 65-67. Res. asst, Nat. Inst. Ment. Health proj. racial groups & juvenile delinquency, summer 62; lectr, Towson State Col, 66; Maryland, 67-68. Consultant, Md. East. Shore Re-training Proj, 63-64. U.S.N., 45-46. Sociol. Asn; Soc. Study Social Probs. Social disorganization; criminology; sociological theory. Publ: Social disorganizations and crime, J. Human Rels, summer 61; Housing opportunities for Negroes in Baltimore, 50 States Report, U.S. Cmn. Civil Rights, 61; Strengths in the Negro family culture, Proceedings Md. Coun. Family Rels, 5/65. Address: 4919 Midwood Ave, Baltimore, Md. 21212.
- PUGH, PROF. OLIN S, b. Newberry, S.C, Mar. 6, 23; m. 49; c. 2. ECONOMICS. B.S. South Carolina, 48; A.M. Duke, 51, Ph.D, 56. Instr. econ, SOUTH CAROLINA, 49-53, asst. prof, 53-57, assoc. prof, 57-61, PROF. FINANCE ECON, 61-, CHAIR OF BANKING, 61-, proj. dir, 59-61, acting dean, col. bus. admin, 66-67. Assoc. dir, State Corp. Tax Study Cmt, 57-58. C. Eng, 42-46, Sgt. Econ. Asn; Finance Asn. Public finance; small

business financing; banking and finance; banking structure and practices. Publ: Difficult decades of banking, Univ. South Carolina Press, 64; co-auth. Money, banking and monetary policy, Ronald, 67; auth. Financing 689 small business firms in South Carolina. Address: College of Business Administration, University of South Carolina, Columbia, S.C. 29208.

PUGH, DR. RODERICK W(ELLINGTON), b. Richmond, Ky, June 1, 19; m. 53. CLINICAL PSYCHOLOGY. B.A. Flak, 40; M.A. Ohio State, 41; Ph.D. Chicago, 49. Staff clin. psychologist, Hines Vet. Admin. Hosp, 50-58, chief clin. psychol. sect, 58-62, asst. chief psychol. serv. & coordinator psychol. training, 62-66; ASSOC. PROF. PSYCHOL. LOYOLA, 66- Lectr, Roosevelt, 51-54; vis. scholar, Flak, 66. Private practice, 58- Consult, center inner city studies, Northeast. State Col. & Vet. Admin. Training Prog. Psychol, 66- Dipl. Am. Bd. Exam. Prfnl. Psychol, 57. U.S.A. 43-46, 2nd Lt. Psychol. Asn; Acad. Psychother. Psychotherapy, individual and group; training in clinical psychology and psychotherapy; interpersonal theory; behavior modification. Address: Dept. of Psychology, Loyola University, 820 N. Michigan Ave, Chicago, Ill. 60611.

PUGH, PROF. THOMAS J(EFFERSON), b. Lewiston, N.C. Oct. 25, 17; m. 38; c. 1. PSYCHOLOGY. A.B. Clark Col, 40; B.D. Gammon Theol. Sem, 42; M.A. Atlanta, 47; Drew, 48; Ph.D. Boston, 55. Prin. Picken County Training Sch, Ga, 42-44; pastor, Bethesda Baptist Church, 44-47; dean men, Albany State Col, 48-52, asst. prof. psychol, 55-58, chaplain, 48-58; PROF. PSYCHOL. OF RELIG. & COUNSELING, Gammon Theol. Sem, 58-59; INTERDENOMINATIONAL THEOL. CENTER, 59- Nat. Inst. Ment. Health fel, sch. med, Pennsylvania, 67-68. Summers, teaching clin. pastoral ed, Topeka State Hosp, Kans, 60 & Rorschach workshop, Chicago, 62. Group therapist, Georgian Clin. Alcoholics, Atlanta, 66- Consult, Miles, Col, 62. Psychol. Asn; Acad. Relig. & Ment. Health; Soc. Sci. Study of Relig. Scientific measurements for improvement in education; psychology of religion, especially motivations for praying; therapeutic effect of tears in interview setting. Publ: Comparative study of six values in a group of ministers and two groups of laymen, J. Soc. Psychol; Pastoral explorations with people, In: The center; How the project actually operated, In: Ladders to improvement. Address: Interdenominational Theological Center, 671 Beckwith St, S.W., Atlanta, Ga. 30314.

PUGLIESE, DR. DONATO J(OSEPH), b. West Trenton, N.J. Mar. 25, 30; m. 55; c. 2. POLITICAL SCIENCE. A.B. Pennsylvania, 51, M.G.A. 53; D.P.A. Syracuse, 60. Admin. asst. to town mgr, Milford, Conn, 52-53; instr. polit. sci. & econ. Temple, 56-58; res. asst. east. div. Pa. Econ. League, 58-59; instr. POLIT. SCI. DETROIT, 59-60, asst. prof. 60-68, ASSOC. PROF. 68- Res. asst. Del. Valley group. res. inst. Syracuse, 57-58; staff mem. pub. affairs progs. Detroit, 60-62, asst. dir. 62-65. Consult, Citizens Res. Coun. Mich, 65-67; res. consult. div. state resources planning, Mich. summer 67. U.S.A. 53-55. Sgt. Soc. Pub. Admin; Polit. Sci. Asn; Nat. Munic. League; Acad. Polit. & Soc. Sci. Local government administration and organization; urban affairs and problems. Publ: Municipal consolidation in the Jackson community, 66, Metropolitan area unification in the Battle Creek urban area, 66 & Grand Rapids Junior College: alternatives and prospects, 67, Citizens Res. Coun. Mich. Address: Dept. of Political Science, University of Detroit, Detroit, Mich. 48221.

PUHEK, DR. RONALD E(DWARD), b. Hibbing, Minn, Oct. 29, 39. POLITICAL SCIENCE. B.A. Col. St. Thomas, 61; M.A. Hopkins, 63; Ph.D. (polit. sci.) Nebraska, 67. Instr. SOC. SCI, MICH. STATE, 66-67, ASST. PROF. 67- Polit. Sci. Asn. AMERICAN foreign policy; policy of containment; problems of social technocracy. Address: Dept. of Social Science, Michigan State University, East Lansing, Mich. 48823.

PULLEN, DR. MAXWELL S(PENCER), b. Evansville, Wis. Feb. 3, 18; m. 47. PSYCHOLOGY. Ph.D. (psychol), Illinois, 52. Asst. prof. PSYCHOL. OHIO, 52-57, ASSOC. PROF. 57- U.S.A. 40-46, Lt. Col. Psychol. Asn. Electroshock therapy; intelligence testing. Publ: Co-auth. Rigidity and shock therapy of psychotics, an experimental study, J. Consult. Psychol. Address: Dept. of Psychology, Ohio University, Athens, Ohio 45701.

PULLEN, PROF. ROBERT W(HITE), b. Danforth, Maine, July 7, 19; m. 43; c. 2. ECONOMICS. A.B. Colby Col, 41; Soc. Sci. Res. Coun. fel, 44-45; fel. Mass. Inst. Tech, 43-45, Ph.D. 49. Instr. ECON. COLBY COL, 45-47, asst. prof. 47-50, assoc. prof. 50-56, PROF. 56- Boston Fed. Reserve Bank res. grant, 66-67. Econ. Asn; Indust. Rel. Res. Asn. Effects of the Wagner Act unfair labor practice cases on collective bargaining. Address: Dept. of Economics, Colby College, Waterville, Maine 04901.

PULLEN, PROF. WINSTON E(UGENE), b. Monson, Maine, Mar. 12, 16. AGRICULTURAL ECONOMICS. B.S. Maine, 41; M.S. Cornell, 42, Ph.D. 50. Asst. Cornell, 42-46; instr. MAINE, 46-49, PROF. AGR. ECON. & FARM MGT, 50-, ASSOC. DEAN COL. LIFE SCI. & AGR, 64-, head dept. agr. econ, 62-63. Coop. agent, bur. agr. econ, U.S. Dept. Agr. & Exp. Sta, Maine & Cornell, 48-50. U.S.N. 43-46, Lt. Agr. Econ. Asn. Sources of Maine poultry meat and market outlets; marketing Maine canned sweet corn; potato production costs, returns and practices. Address: 11 Winslow Hall, University of Maine, Orono, Maine 04473.

PULLIAS, PROF. E(ARL) V(IVON), b. Castalian Springs, Tenn, Mar. 12, 07; m. 29; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. Cumberland, 28; Strong scholar. & M.A. Chicago, 31; Ph.D. (ed. psychol), Duke, 36. Teacher, jr. high sch, Tenn, 28-30; teaching fel, psychiat. clin. univ. hosp. Duke, 36; head dept. psychol, Pepperdine Col, 37-40, dean, 40-57; PROF. HIGHER ED, SOUTHERN CALIFORNIA, 57- Psychol. Asn; Ed. Res. Asn. Educational tests; mental hygiene; higher education. Publ: Variability in results from new-type achievement tests, Duke, 37; A search for understanding, W.C. Brown, 65; co-auth. A teacher is many things, Indiana Univ, 68. Address: School of Education, University of Southern California, Los Angeles, Calif. 90007.

PULLMAN, PROF. DOUGLAS R(OBERT), b. Edmonton, Alta, Jan. 12, 21; m. 45; c. 2. SOCIOLOGY. B.Ed. Alberta, 47; M.A. Toronto, 49, fel, 49-50, Ph.D. (sociol) & Ont. Alcoholism Fes. Found. grant, 60. Instr. sociol, Toronto, 50-51; asst. prof. NEW BRUNSWICK, 51-59, assoc. prof. 59-65, PROF. SOCIOL. & HEAD DEPT. SOCIOL. & ANTHROP, 65-, acting chmn. dept. psychol. & sociol, 61-62. Spec. lectr, McMaster, 50-51. Consult,

Atlantic Develop. Bd, Govt. Can, 67. Chmn. cmt. grievance procedures, N.B. 66-68, grievance rev. bd, 68- R.C.A.F. 41-45. Fel. Sociol. Asn; Can. Polit. Sci. Asn. Community organization as related to economic change, especially definitions of economic opportunity and attitudes toward work and leisure. Publ: Drinking habits and traditions of respectability, Bull. Maritime Psychol. Asn; Some social correlates of attitudes toward the use of alcoholic beverages, Quart. J. Studies Alcohol; Social change in economic development theory, Can. Rev. Sociol. & Anthropol, 2/68. Address: Dept. of Sociology, University of New Brunswick, Fredericton, N.B. Can.

PULOS, DR. LEE (PETER), b. Calgary, Alta, Jan. 6, 28; nat; m. 59. CLINICAL PSYCHOLOGY. B.A. California, Los Angeles, 51; M.A. Long Beach State Col, 56; Ph.D. Denver, 59. Asst. chief psychologist & instr. dept. psychiat, Larue Carter Hosp, sch. med, Indiana, 59-61; fel. & instr, Univ. Hosps, Madison, Wis, 61-62; CLIN. PSYCHOLOGIST, 62- Consult, Vancouver Epilepsy Center, Shaughnessy Hosp. & Ment. Health Center, 63- U.S.N.R. 44-47. Psychol. Asn; Group Psychother. Asn. Reliability and validity of judgement from psychological tests. Publ: Perceptual selectivity, memory and anti-semitism J. Abnorm. & Soc. Psychol. Address: Suite 714, 750 W. Broadway, Vancouver 9, B.C., Can.

PULOS, DR. WILLIAM L. b. Anderson, Ind, Mar. 24, 20; m. 48; c. 2. PSYCHOLOGY. B.A. Anderson Col, 46; M.S. Butler, 47; Ed.D. Indiana, 57. Counsr, Indiana, 48-49; asst. prof. PSYCHOL. ALFRED, 49-57, ASSOC. PROF. 57-, chmn. dept. 53-62. AAAS; Psychol. Asn; N.Y. Acad. Sci. Community mental health; animal behavior and genetics. Address: Box 1166, Alfred, N.Y. 14802.

PULTZ, DR. FREDERICK D. b. Lexington, Va, Dec. 8, 12; m. 44; c. 3. PSYCHOLOGY, EDUCATION. B.A. Washington & Lee, 36; Va. Polytech, 37-40; M.A. Ohio State, 47, Ph.D. (guid), 52, Wyoming, 59. Assoc. dir. div. adult ed, Louisville, 52-56; DIR. GUID. CENTER, SOUTHWESTERN AT MEMPHIS, 56- Mil. Intel, U.S.A.A.F. 42-46, Capt. Psychol. Asn. Use of tests in prediction. Address: Dept. of Psychology, Southwestern at Memphis, Memphis, Tenn. 38112.

PULVER, DEAN GLEN CURTIS, b. Wyocena, Wis. Oct. 31, 29; m. 51; c. 2. AGRICULTURAL ECONOMICS. B.S. Wisconsin, 51, fel. 54-55, M.S. 55, Ph.D. (agr. econ), 56. Asst. agr. econ, Wisconsin, 54, instr. 55-57, asst. prof. 57-61, assoc. prof. 61-64; asst. dir. coop. exten. serv. & prof. agr. econ, Purdue, 64-66; DEAN DIV. HUMAN RESOURCE DEVELOP. & PROF. AGR. ECON. WISCONSIN, 66- Vis. prof, Univ. Rio Grande do Sul, Brazil, 61-63. U.S.M.C. 51-53. Agr. Econ. Asn. Development of human resources; community development; adjustments in individual farms and agricultural policy. Publ: Directions needed in extension farm management work, J. Farm Econ, 12/61; co-auth. An empirical measure of decision making, Agr. Exp. Sta, Univ. Wisconsin, 6/62; auth. The agony of the inner city, NUEA Spectator, 1/68. Address: Division of Human Resource Development, University Extension, University of Wisconsin, 432 N. Lake St, Madison, Wis. 53706.

PUMROY, DR. DONALD K(EITH), b. Ottumwa, Iowa, Mar. 28, 25; m. 49; c. 2. PSYCHOLOGY. B.A. Iowa, 49; M.S. Wisconsin, 51; Ph.D. Washington (Seattle), 54. Instr. PSYCHOL. MARYLAND, 55-57, asst. prof. 57-61, ASSOC. PROF. 61- Consult. Vet. Admin, 57-; U.S. Dept. Defense, 61- U.S.A.A.F. 43-46, 2nd Lt. Psychol. Asn; Personnel & Guid. Asn; Soc. Res. Child Develop. Parental attitudes toward child rearing practices; child learning; behavior modification. Publ: Co-auth. Effect of amount and percentage of reinforcement on resistance to extinction, J. Genetic Psychol, 61 & Systematic observation and reinforcement technique in toilet training, Psychol. Reports, 65; auth. Maryland parent attitude survey, J. Psychol, 66. Address: Dept. of Psychology, University of Maryland, College Park, Md. 20742.

PURCELL, DR. KENNETH, Clin. Psychol, see 11th ed, Phys. & Biol. Vols.

PURCELL, PROF. RALPH (ELLIOTT), b. Crystal Springs, Miss, Aug. 17, 19. POLITICAL SCIENCE. A.B. Fla. South. Col, 40; A.M. Duke, 41; Ph.D. Wisconsin, 49. Instr. Col. Ozarks, 41-42; Pa. State Col, 42-43; Alabama, 46; asst. prof. polit. sci. Emory, 49-51; Carter Glass prof. govt. Sweet Briar Col, 54-58; prof. polit. sci. & chmn. dept, Delaware, 59-61; Chester W. Nimitz prof. int. affairs, U.S. Naval War Col, 61-62; PROF. POLIT. SCI. GEORGE WASHINGTON, 62- For. serv. staff officer, U.S. Dept. State, India, 51- Polit. Sci. Asn. American political institutions; government and art in the United States; Hoover Commission and its progress in the first session of the Eighty-first Congress; government and politics of India. Address: Dept. of Political Science, George Washington University, Washington, D.C. 20006.

PURCELL, THEODORE V(INCENT), b. Evanston, Ill, June 6, 11. PSYCHOLOGY, INDUSTRIAL RELATIONS. A.B. Dartmouth Col, 33; A.M. (econ), Loyola, 45, S.T.L. 46; A.M. Harvard, 49, Wertheim fel, 51, Ph.D. (soc. & indust. psychol), 52. Asst. prof. psychol. & indust. rels, Loyola (Ill), 52-58, assoc. prof. 58-61, prof. 61-62, dir. res. group human rels. in meat packing indust, 54-58; dir. Inst. Soc. Order, St. Louis, Mo, 62-65; DIR. CAMBRIDGE CENTER SOC. STUDIES, 65- Dir, Loyola-Danforth Mgt. Ethics Seminar, 59-61. William Jewett Tucker vis. lectr, Dartmouth Col, 60-61; vis. lectr, Harvard, 66-67, Episcopal Theol. Sch, 67; Ford. Found. res. grant, 67-69. Cmnr, Ill. Cmn. Human Rel, 61-63; mem. Ill. Adv. Cmt, U.S. Cmn. Civil Rights, 62. Fel. Psychol. Asn; Indust. Rel. Res. Asn; Int. Asn. Appl. Psychol. Employee and management attitude and motivation; equal employment opportunity. Publ: The worker speaks his mind on company and union; Blue collar man; Work psychology and business values, Personnel Psychol, Vol. 20, No. 3. Address: Cambridge Center for Social Studies, 42 Kirkland St, Cambridge, Mass. 02138.

PURDY, DR. MALCOLM M(ILLS), Psychol, see 10th ed, Soc. & Behav. Vols.

PURNELL, DR. GLEN R(EX), b. Cardston, Alta, Oct. 7, 30; m. 49; c. 8. AGRICULTURAL ECONOMICS. B.S. Utah State Col, 52; M.S. Mont. State Col, 53; Ph.D. Iowa State, 59. Fieldman farm credit, Yakima Valley Nat. Farm Loan Asn, Wash, 53-54; asst. secy, Ore. Wheat Growers League, 54-56; exec. secy, Ore. State Soil Conserv. Cmn, 58-57; asst. agr. policy res. Iowa State Col, 57-58, res. assoc. 58-59; asst. prof. agr. mkt. & asst. agr.

- economist, Idaho, 59-61; DIR. RES. & EXTEN. AGR. ECON, FARM ECON. BR. ALTA. DEPT. AGR. 61- Mkt. consult, UN Food & Agr. Orgn, Bechuanaland, 63; agr. econ. adv. Can. Govt. Agr. Task Force, India, 67. V.Pres, Agr. Econ. Res. Coun. Can; mem. Irrigation policy cmt, Minister Agr. Alta. Am. Agr. Econ. Asn; Can. Agr. Econ. Soc.(v.pres, 68-); Agr. Inst. Can. Livestock marketing, agricultural policy, fresh fruit and vegetable marketing research. Publ: Economic analysis of cattle shrinkage; Alternative parity formula for agriculture; Extension economics—the next ten years, Can. J. Agr. Econ, 67. Address: Economics Division, Alberta Dept. of Agriculture, 10405-100 Ave, Edmonton, Alta, Can.
- PURSELL, DR. DONALD E, b. Pinckneyville, Ill, June 24, 20; m. 61; c. 1. ECONOMICIS. B.A. Southern Illinois, 62, M.A., 63; Earhart fcls, Duke, 63-65; Shell Oil Int. fel, 65-66, Ph.D.(econ), 67. ASST. PROF. ECON. UNIV. & RES. ASSOC. REGIONAL. RES. INST. WEST VIRGINIA, 67- Econ. Asn. Economics of labor and manpower problems. Publ: Bantu Real wages and employment opportunities in South Africa, S.Africa J. Econ, 68. Address: Route 8, Box 39, Morgantown, W.Va. 26505.
- PURSHOTAM, DR. NATESAIER, Epidemiol, Nutrit, see 11th ed, Phys. & Biol. Vols.
- PUSEY, MERLO J(OHN), b. Woodruff, Utah, Feb. 3, 02; m. 28; c. 3. POLITICAL SCIENCE. A.B. Utah, 28. ED. WRITER, WASHINGTON POST, 28-, ASSOC. ED, 45- Expert, Senate Finance Cmt, 31-33; lectr, George Washington, 39-42. Pulitzer prize, 52; Bancroft prize, 52; Tamiment Inst. award, 52. AAAS; Polit. Sci. Asn. United States Supreme Court; United States presidency. Publ: Big government, can we control it?; Charles Evans Hughes; Eisenhower, the president. Address: Washington Post, 1515 L St, Washington, D.C. 20005.
- PUTNAM, PROF. D.F, b. N.S. Aug. 15, 03; m. 31; c. 2. GEOGRAPHY. B.S.A, Toronto, 27, Ph.D.(bot), 35; McGill, 29-30; fel, Ont. Res. Found, 33-49. Instr. GEOG, TORONTO, 38-39, lectr, 39-42, asst. prof, 42-47, assoc. prof, 47-53, PROF, 53-66, ERINDALE COL, 66-, head dept, 53-63. Agr. Inst. Can; Asn. Am. Geog; Can. Asn. Geog. Physical, largely glacial, features of Ontario; regional geography of Canada. Publ: Co-auth, Physiography of southern Ontario, Univ. Toronto, 51; co-auth, Canadian regions, 52 & Regional geography of Canada, 56, J.M. Dent. Address: Dept. of Geography, Erindale College, University of Toronto, Toronto 5, Ont, Can.
- PUTNAM, DR. GEORGE, Modern Russian Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- PUTNAM, PROF. HOWARD, b. Denver, Colo, Mar. 16, 09; m. SOCIOLOGY, SOCIOLOGY OF EDUCATION. B.S. Florida, 30; fel, Clark, 32; M.A. Sul Ross State Col, 48; North Carolina, Chapel Hill, 49; Syracuse, 50; Ph.D. (sociol. of ed), Texas, 56. Asst. natural sci, Cornell, 45; asst. dir. univ. press, Florida, 50; asst. prof. soc. sci, Ark. State Col, 53; prof. ed. & head dept, Brenau Col, 56-57; dir. res. & registr, Wayne State Col, 61-63; prof. sociol, Miss. State Col, Women, 63-66; PROF. SOCIOL. & HEAD DEPT. SOC. SCI, EAST TEXAS STATE, 66- Sociol. Asn; Anthropol. Asn. Sociology of knowledge, science and research activity; social psychiatry; sociological theory; semantics of sociology; psychiatry of organizations; relationship of sociology to philosophy. Publ: College and community, Banta, 57; co-auth, Education of Spanish-speaking people, Univ. Texas, 59 & Approaches to group understanding, Harpers, 47. Address: Dept. of Sociology, East Texas State University, Commerce, Tex. 75428.
- PUTNEY, DR. SNELL, b. Lincoln, Nebr, Feb. 27, 29; m. 50; c. 2. SOCIOLOGY. A.B. Nebraska, 50, M.A., 51; Doherty fel, Mexico, 51-52; univ. fcls, Oregon, 50-51, 52-54, Ph.D.(sociol), 54. Asst. SOCIOL, Oregon, 50-51, 52-54; asst. prof, Drake, 54-57; Fla. State, 57-60; from asst. prof. to AS-SOC. PROF. SAN JOSE STATE COL, 60- Sociol. Asn. Social psychology and mental hygiene; social change in underdeveloped countries; social structure. Publ: Ethical relativism and anomia, Am. J. Sociol; Locus of influence in a rural Mexican village, Res. Studies, State Col. Wash; Rebellion, conformity and parental religious ideologies, Sociometry. Address: Dept. of Sociology & Anthropology, San Jose State College, San Jose, Calif. 95114.
- PUZZO, DR. FRANK S(AL), Psychol, see 10th ed, Soc. & Behav. Vols.
- PYE, PROF. LUCIAN W(ILMOT), b. China, Oct. 21, 21; m. 47; c. 3. POLITICAL SCIENCE. B.A. Carleton Col, 43; M.A. Yale, 49, Ph.D., 51. Instr, Washington (St. Louis), 49-51, asst. prof, 51-52; res. assoc, Center Int. Studies, Princeton, 52-56; asst. prof. POLIT. SCI, MASS. INST. TECH, 56-57, assoc. prof, 57-60, PROF, 60-, SR. STAFF MEM, CENTER INT. STUDIES, 56- Res. assoc. Yale, 51-52, vis. lectr, 52-; vis. assoc. prof, Columbia, 56. Mem. adv. bd, Univs. Serv. Center, Hong Kong; mem. China Panel & Far East Panel, U.S. Dept. State, 67- Chmn. cmt. comp. polit. & mem. Soc. Sci. Res. Coun; mem. Coun. For. Rels; fel, Center Adv. Study Behav. Sci, 63-64. U.S.M.C., 43-46, Lt. Polit. Sci. Asn; Asn. Asian Studies; fel. Am. Acad. Arts & Sci. International politics; Far East; political behavior. Publ: Politics, personality and nation building, Yale, 62; Aspects of political development, Little, 66; Spirit of Chinese politics, M.I.T. Press, 68. Address: Center for International Studies, Massachusetts Institute of Technology, E53-451, Cambridge, Mass. 02139.
- PYKE, DR. SANDRA W, b. Winnipeg, Man, Apr. 9, 37; m. 55. PSYCHOLOGY. B.A. Saskatchewan, 59, M.A., 61; Ph.D.(psychol), McGill, 64. Proj. supvr. PSYCHOL, Psychol. Res. Center, 60-62, res. coordinator, 64-66; ASST. PROF. PSYCHOL, YORK, 66- Can. Nat. Res. Coun. grant, 65-66. Am. Psychol. Asn; Can. Psychol. Asn. Variables related to individual and group communication and decision making; factors influencing response strength in the recognition of perceptual material. Publ: Co-auth, Modification of an overlearned maladaptive response through a relearning program, Behav. Res. & Ther, 66, Absolute judgment of distance as a function of induced muscle tension, exposure time and feedback, J. Exp. Psychol, 66 & Effects of satiation on performance as a function of stimulant and depressant drugs, Psychonomic Sci, 66. Address: York University, Keele & Steeles, Toronto, 12, Ont, Can.
- PYLE, DEAN J(OHN) FREEMAN, b. Ind, Nov. 24, 90; m. 20; c. 1. ECONOMICS. Ph.B. Chicago, 17, A.M., 18, Ph.D., 25. Prof. econ. & polit. sci, Northeast Mo. State Teachers Col, 18-20; asst. econ. sch. bus. admin, Chicago, 20-21, instr, 21-23, mkt, 23-25; prof. econ. & mkt, head dept. econ. & dean, Robert A. Johnson Col. Bus. Admin, Marquette, 25-42; prof. mkt. & econ. & dean, col. bus. & pub. admin, MARYLAND, 42-61, acting dean col. arts & sci, 43-49, EMER. DEAN, COL. BUS. & PUB. ADMIN, 61- Lector, Northwestern, 23-25. Econ. Asn; Mkt. Asn; Mgt. Asn; Acad. Polit. & Soc. Sci. Use of the sales place in marketing strategy; legal basis of school finance. Publ: Marketing principles, organization and policies, McGraw, 31, 2nd ed, 36; Marketing management, Univ. Lithoprinter, Mich, 42; The determination of location standards for retail concerns, Harvard Bus. Rev, 4/26. Address: 6912 Oakridge Rd, University Park, Hyattsville, Md. 20782.
- PYLE, DR. KENNETH B, Mod. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- PYLES, DR. CHARLES B(OYKIN), b. North Little Rock, Ark, July 17, 25; m. 49; c. 1. POLITICAL SCIENCE. B.S. Arkansas, 48, M.A., 55; fel, George Washington, 56-60; Ph.D.(polit. sci), Georgia, 67. Venereal disease investor, Ark. State Health Dept, 48-50; voc. appraiser, Little Rock Jr. Col, 50-51, bus. mgr, 51-56; instr. soc. sci, Ga. Inst. Tech, 61-62, asst. prof, 62-67; ASSOC. PROF. POLIT. SCI, GA. STATE COL, 67- U.S.N., 43-46. Polit. Sci. Asn; Soc. Pub. Admin; Int. City Mgr. Asn. Voting behavior in Georgia presidential and gubernatorial elections. Publ: Race and ruralism in Georgia elections 1948-1966, Univ. Microfilms, 67. Address: 485 Pine Forest Rd, N.E., Atlanta, Ga. 30305.
- PYLKSHYN, DR. ZENON WALTER, b. Montreal, Que, Aug. 25, 37; m. 62; c. 1. PSYCHOLOGY, COMPUTER SCIENCE. B.Eng, McGill, 59; M.Sc, Saskatchewan, 60, Ph.D.(psychol), 63. Res. assoc. psychol, psychol. res. center, Saskatchewan, 61-64; ASST. PROF. PSYCHOL. & COMPUT. SCI, WESTERN ONTARIO, 66- Can. Coun. sr. fel. eng. sci. & med, 64-66; prin. investor, Ont. Ment. Health Found. & Nat. Res. Coun. grants, 66- Consult. data processing, Psychiat. Serv, Sask. Dept. Health, 64. Am. Psychol. Asn; Asn. Comput. Mach; Can. Psychol. Asn. Short term memory; psycholinguistics; computer analysis of natural language text; computer applications in psychology. Publ: Search strategy and problem structure in heuristic problem-solving, 17: 291-301 & Information available from two consecutive exposures of visual displays, 19: 133-144, Can. J. Psychol; co-auth, Comparison of individuals and pairs as participants in a mixed-motive game, J. Conflict Resolutions, 10: 211-220. Address: Dept. of Computer Science & Psychology, University of Western Ontario, London, Ont, Can.
- PYUN, DR. CHONG SOO, b. Seoul, Korea, Mar. 7, 30; m. 63; c. 1. ECONOMICS. B.A. Kyung Hee Univ, Korea, 60; M.B.A. Miami, (Ohio), 62; Ph.D. (econ), Georgia, 66. ASST. PROF. ECON, MERCER, 64- Sig.C, Republic of Korea Army, 51-60, Capt. Econ. Asn. Monetary value of human life for judicial decisions; interregional income and demographic flows. Publ: Co-auth, A regional analysis of income and demographic flows, Bur. Econ. Res, Univ. Georgia, 66 & The local business index: an employment series approach, Southern J. Bus, 10/66; auth, The monetary value of a housewife: an economic analysis for judicial decisions, Am. J. Econ. & Sociol, (in press). Address: Dept. of Economics, Mercer University, Macon, Ga. 31207.
- PYZIUR, DR. EUGENE, b. Bezec, Ukraine, Apr. 16, 17; U.S. citizen; wid; c. 1. POLITICAL SCIENCE. L.L.M. Ukraine Free Univ, Munich, 48, Dr. juris, 49; Ford Found. fel, Columbia, 52-53, A.M., 54; Ph.D. Notre Dame, 61. Res. asst, Notre Dame, 57-59, instr. polit. sci, 60-61; asst. prof. COMP. GOVT, ST. LOUIS, 61-64, assoc. prof, 64-68, PROF, 68- Am. Philos. Soc. grant-in-aid, 65. Polit. Sci. Asn; Am. Asn. Adv. Slavic Studies. Russian political thought of the nineteenth century; theory of nationality. Publ: The doctrine of anarchism of Michael A. Bakunin, Marquette Univ, 55; A new phase of the Soviet agrarian policy, In: Vol. I, Scholarship series, Ukrainian Acad, 52; Mikhail N. Katkov: advocate of English liberalism in Russia, 1856-1863, Slavonic & E. European Rev, London, Vol. XLV, No. 105. Address: Dept. of Political Science, College of Arts & Sciences, St. Louis University, St. Louis, Mo. 63103.
- QUACKENBUSH, DR. GERALD G(LENN), b. Melrose, Wis, July 11, 16; m. 45; c. 2. AGRICULTURAL ECONOMICS. B.S. Wisconsin, 41; M.S. Purdue, 42, Ph.D.(agr. econ), 47. Asst. prof. agr. econ. & exten. specialist, Mich. State, 47-52, assoc. prof, 52-56, prof, 56-60; mkt. res. dir, AM. DAIRY ASN, 60-67, DIR. RES. & DEVELOP. DIV, 68- U.S.A.A.F., 42-45. Agr. Econ. Asn; Mkt. Asn. Consumer demand for foods; dairy and agricultural marketing. Publ: Seasonal price incentives of the base and excess plan in the Detroit market, Mich. State Univ. Tech. Bull; Demand analysis from the Michigan State College consumer panel, J. Farm Econ; Factors affecting purchases of ice cream for home use, Mich. State Univ. Tech. Bull. Address: American Dairy Association, 20 N. Wacker Dr, Chicago, Ill. 60606.
- QUADE, DR. ALBERT E, b. Northfield, Ohio, Apr. 27, 23; m. 54. SOCIOLOGY. B.A. Bethany Col, 48; M.A. Ohio State, 51, Ph.D., 55. Asst. prof. marriage counseling, Fla. State, 55-61; child develop. & family rel, Connecticut, 61-62; private practice, 62- U.S.N.R., 43-46. Sociol. Asn. Marriage and family; small group dynamics; culture and personality. Address: Route 3, Box 159, Storrs, Conn. 06268.
- QUADE, PROF. DANA E(DWARD) A(NTHONY), Statist, see 11th ed, Phys. & Biol. Vols.
- QUALLS, DR. LeROY L(ILLARD), b. Irving, Ill, Nov. 25, 10; m. 41; c. 1. ECONOMICS. A.B. Ill. Wesleyan, 32; A.M. Illinois, 36, B.S.L.S. 39, Ph.D., 48. Instr. econ, Ill. Wesleyan, 34-37; library asst, Illinois, 37-46, asst. econ, 46-48; from asst. prof. to assoc. prof, Florida, 48-58; FISCAL ECONOMIST, FLA. STATE PLANNING & BUDGET CMN, 58- Found. Econ. Ed. bus. exchange fel, 52-55. U.S.N.R., 42-46, Lt. Econ. Asn; Tax Inst; Nat. Tax Asn. Public finance; economic theory; financial support of public li-

- braries. Publ: General sales taxation in Florida; Highway-user revenues in Florida. Address: Planning & Budget Commission, Capitol Bldg, Tallahassee, Fla. 32304.
- QUALLS, PROF. R. L. b. Burnsville, Miss, Nov. 6, 33; m. 65. FINANCE B.S. Miss. State, 54, M.S. 58; La. State, 59-62; Ford Found. fel, 63-64; Found. Econ. Ed. fel, 64. Asst. econ. Miss. State, 56-58; La. State, 59-61, instr, 61-62; prof. econ. & bus. & chmn. dept, Belhaven Col, 62-65, asst. to pres, 64-65; mgr. econ. res. div, Jackson Chamber Commerce, 65-67; head dept. econ. & bus, William Carey Col, 67-68; ASST. PROF. FINANCE, COL. BUS, MISS. STATE, 68- Econ. consult. mkt. res, First Fed. Savings & Loan Asn, Jackson, Miss, 63- Mem. Am. Savings & Loan Inst. Finance C, 54-56, Lt. Econ. Asn. Savings and loan associations; attitude surveys; savings market; penetration analysis; residential housing and mortgage markets; location studies. Publ: Determining the local savings market—its scope, potential and market share, First Fed. Savings & Loan Asn, 63; An economic audit of Jackson, Mississippi, Jackson Chamber Commerce, 67; co-auth, An evaluation of Jackson, Mississippi as a potential wholesale distribution center, Mississippi Res. & Develop. Center, 67. Address: Dept. of Finance, College of Business & Industry, Mississippi State University, State College, Miss. 39762.
- QUALTER, DR. TERENCE HALL, b. Eltham, N.Z., Apr. 15, 25, m. 51; c. 4. POLITICAL SCIENCE. B.A. New Zealand, 51; Ph.D. (polit. sci.), London, 56. Sales exec, London Films Int, Eng, 52-57; sub-ed. newsroom, N.Z. Broadcasting Serv, 48-51; lectr. POLIT. SCI, United Col, Manitoba, 57-58; spec. lectr, Saskatchewan, 58-60; lectr, WATERLOO, 60-61, asst. prof, 61-64, assoc. prof, 64-67, PROF, 67-, chmn. dept, 65-67. Can. Coun. & Nat. Res. Coun. Can. grants; res. proj, Royal Cmn. Bilingualism & Biculturalism, 65-66. Royal N.Z. Air Force, 44-48, Res, 48-56. Can. Polit. Sci. Asn. Publ: Propaganda and psychological warfare, Random, 62; co-auth, The press of Ontario and the election, In: Papers on the 1962 election, Univ. Toronto Press, 64; auth, Representation by population: a comparative study, Can. J. Econ. & Polit. Sci, 5/67. Address: Dept. of Political Science, University of Waterloo, Waterloo, Ont. Can.
- QUALTERE, DR. THOMAS J(OHN), b. Kingston, N.Y., Feb. 9, 23; m. 52; c. 6. CLINICAL PSYCHOLOGY, SPECIAL EDUCATION. B.A., Syracuse, 43, M.S., 49, Ph.D. (psychol), 57. Dir. PSYCHOL, Syracuse Psychopath. Hosp, N.Y., 49-52; Ellis Hosp, Schenectady, N.Y., 53-61; asst. prof, RUSSELL AGEN COL, 61-64, ASSOC. PROF, 64- Consult. psychologist, Vanderheyden Hall, Troy, 57-; various N.Y. sch. systs, 61-; St. Colman's Home, 65- Med. C. U.S.A., 43-46, S/Sgt. Psychotherapy with the emotionally disturbed child; academic programs for brain injured children; trainable retarded children. Publ: Co-auth, Use of Stanford-Binet test for placement of educable retarded children, J. Ment. Deficiency, 49-50; Modification of TAT with handicapped, J. Clin. Psychol, 53. Address: Dept. of Psychology, Russell Sage College, Troy, N.Y. 12180.
- QUAM, DR. LOUIS O(TTO), Geomorphol, see 11th ed, Phys. & Biol. Vols.
- QUAMMEN, PROF. FRANCIS RUSHFORD, Econ, see 10th ed, Soc. & Behav. Vols.
- QUANDT, PROF. RICHARD EMERIC, b. Budapest, Hungary, June 1, 30; U.S. citizen; m. 55; c. 1. ECONOMICS. A.B. Princeton, 52; M.A. Harvard, 55, Ph.D. 57. Asst. prof. ECON, PRINCETON, 56-59, assoc. prof, 59-64, PROF, 64- Guggenheim fel, 58-59; McCosh fel, 63; Ford Found. res. prof, 67-68. Econ. Asn; Statist. Asn; Regional Sci. Asn; Economet. Soc. Economic theory; mathematical economics; econometrics. Publ: Co-auth, Microeconomic theory & New inflation; auth, Probabilistic theory of consumer behavior, Quart. J. Econ. Address: Dept. of Economics, Princeton University, Princeton, N.J. 08540.
- QUANTUS, PROF. F(RANCES) W(ELLS), b. Milwaukee, Wis. ECONOMICS. Ph.D. (econ), Wisconsin, 43. Instr. ECON, OHIO STATE, 42-46, asst. prof, 46-54, assoc. prof, 54-62, PROF, 63- Econ. Asn; Finance Asn. Banking; money. Publ: Co-auth, Economics: basic problems and analysis; auth, Problems associated with loan participations among commercial banks, Commercial & Financial Chronicle, 9/65; Revised Canadian banking system compared to ours, Commercial & Financial Chronicle, 11/67. Address: 1000 Urlin Ave, Columbus, Ohio 43212.
- QUARANTELLI, PROF. ENRICO L, b. New York, N.Y., Nov. 10, 24. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A., Chicago, 48, M.A., 53, Ph.D. 59. Asst. community disaster res, nat. opinion res. center, Chicago, 51-54; lectr. SOCIOLOGY, South Bend Center, Indiana, 54-57; instr, Harpur Col. State Univ. N.Y., 57-59; asst. prof, OHIO STATE, 59-63, assoc. prof, 63-66, PROF, 66- Co-dir, disaster res. center, Ohio State, 63. Consult, cmt. disaster studies, Nat. Res. Coun. D.C., 55-57. Mem. adv. cmt. civil defense, Nat. Acad. Sci, 66. U.S.A., 43-46, Sgt. Sociol. Asn. Individual and community reactions to disasters; crowds and collective behavior; social movements and social change. Publ: Nature and conditions of panic, Am. J. Sociol; Images of withdrawal behavior in disasters: some basic misconceptions, Soc. Probs; co-auth, Scapegoats, villains and disaster, Transactions, 67. Address: Dept. of Sociology, Ohio State University, Columbus, Ohio 43210.
- QUARRINGTON, PROF. B(RUCE) J(OSEPH), b. Toronto, Ont, May 28, 23; m. 46; c. 4. PSYCHOLOGY. B.A. Toronto, 46, Ph.D. 53; M.A. Queen's (Can), 47. Lectr. psychol, Saskatchewan, 47-48; assoc. psychiat, Toronto, 50-63, asst. prof, 63-68, asst. prof, psychol, 53-62, assoc. prof, 62-68, lectr. dept. speech path. & audiol, 59-62; PROF. PSYCHOL, YORK (ONT), 68- Fel. Center Adv. Study Behav. Sci, 57-58. Consult, Clarke Inst. Psychiat, 65- Mem. Inst. Med. Sci, Univ. Toronto, 67- Can. Psychol. Asn; Int. Soc. Biol. Rhythms. Intraindividual variability as related to therapy, learning and performance; development and disorders of speech; psychodiagnostic techniques in remedial processes; psychology of speech and language disorders; periodic illnesses; computer based instructional and informational systems. Address: Dept. of Psychology, York University, Toronto, Ont. Can.
- QUARTERMAIN, DR. PETER ALLAN, Eng, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- QUAST, DR. WENTWORTH, b. Haverhill, Mass, Dec. 2, 16; m. 43; c. 3. CLINICAL & CHILD PSYCHOLOGY. B.S., Massachusetts, 38; Ph.D. (psychol), Minnesota, 57. Res. asst. psychol, Norwich State Hosp, Conn, 46-47; psychol. intern, Vet. Admin, Ft. Snelling, Minn, 47-49; teaching asst. child psychol, inst. child develop, MINNESOTA, MINNEAPOLIS, 49-50, PROF. DEPT. PSYCHOL. & LECTR. PEDIAT, UNIV. & CHIEF CHILD PSYCHOL, UNIV. HOSP, 51- Consult, St. Paul-Ramsey Hosp, St. Paul, Minn, 66- U.S.A.A.F., 41-46, 2nd Lt. Psychol. Asn. Long term follow-up study of adult adjustment of adolescent patient groups; mental retardation; cerebral dysfunction in children; personality profiles of parents of behaviorally disturbed children. Publ: Bender-Gestalt: a clinical study of children's records, 61 & co-auth, MMPI profiles of parents of behaviorally disturbed children and parents from the general population, 66, J. Clin. Psychol; auth, Role of interpretive parent interview in diagnoses of children, In: Brain damage and mental retardation, C.C. Thomas, 67. Address: University of Minnesota Medical Center, Box 393, Minneapolis, Minn. 55455.
- QUAY, PROF. HERBERT C, b. Portland, Maine, Aug. 27, 27; m. 53. PSYCHOLOGY. B.S. Fla. State, 51, M.S. 52; U.S. Pub. Health Serv. fel, Illinois, 57-58, Ph.D. (psychol), 58. Clin. psychologist, Fla. Indust. Sch. for Boys, 52-53; Milledgeville State Hosp, Ga, 53-55; trainee clin. psychol, Vet. Admin. Hosp, Danville, Ill, 55-56; asst. psychol, 56-57; asst. prof. PSYCHOL, Vanderbilt, 58-61; assoc. prof, Northwestern, 61-63; assoc. prof, ILLINOIS, CHAMPAIGN, 63-66, PROF. 66-, RES. DIR, CHILDREN'S RES. CENTER, 63- Consult. supvr, guid. & couns. inst, Peabody Col, 60; clin. psychol. consult, Vet. Admin, 61-63; consult, Nat. Training Sch. for Boys, 67- Mem. res. cmt, Coun. Except. Children, 60-, chmn, 61-65; mem. adv. panel prog. for emotionally disturbed children, South. Regional Ed. Bd, 64-; mem. adv. panel, study archit. & spec. ed, Coun. Except. Children, 67-; rep, Interprnl. Res. Cmn. Pupil Personnel Serv, 63-67. U.S.A., 46-48. Psychol. Asn. Juvenile delinquency; psychopathic personality; behavior disorders of children. Publ: Ed, Research in psychopathology, 63, Juvenile delinquency: research and theory, 65 & Children's behavior disorders, 68, Van Nostrand. Address: Children's Research Center, University of Illinois, Champaign, Ill. 61820.
- QUAYLE, PROF. MARGARET S(IDNEY), Psychol, see 10th ed, Soc. & Behav. Vols.
- QUEAL, DR. RALPH W(ILLIAM), JR, b. Kansas City, Mo, May 17, 21; m. 44; c. 1. PSYCHOLOGY. Ph.D. (psychol), Washington (St. Louis), 55. Assoc. dir. res, Virginia, 50-51; chief crew & systs. sect, psychol. br, aero med. lab, Wright-Patterson Air Force Base, Ohio, 51-56, systs. eng. sect, eng. psychol. br, 57-59; systs. studies unit, human factors sect, physics tech. dept, BOEING CO, 59-60, chief & adv. orbital systs. mgr, prod. develop. dept, 61-62, develop. prog. mgr, SPACE DIV, 62-65, crew systs. mgr, 65-66, mgr. strategy assessment, 66-67, DEP. MGR. APOLLO T.I.E, 67- U.S.A.A.F., 42-46. AAAS; Psychol. Asn; Human Factors Soc; Opers. Res. Soc. Am. Operations and systems research; engineering psychology. Address: 45 Country Club Rd, Cocoa Beach, Fla. 32931.
- QUEEN, PROF. STUART A(LFRED), b. Fredonia, Kans, Feb. 26, 90. SOCIOLOGY. A.B. Pomona Col, 10; A.M. Chicago, 13, Ph.D., 19. Exec. secy, State Bd. Charities & Corrections, Calif, 13-17; dir, Tex. Sch. Civics & Philanthropy, 17-18; instr. sociol, Illinois, 19; assoc. prof. soc. tech, Goucher Col, 19-20; prof. soc. econ. & dir. sch. soc. work, Simmons Col, 20-22; prof. sociol, Kansas, 22-30; assoc. secy, Detroit Community Unit & Community Fund, Mich, 30-32; prof. SOCIOL, WASHINGTON (ST. LOUIS), 32-58, EMER. PROF, 58- Dir. ed. serv, Potomac div, Am. Red. Cross, 19-20; vis. prof, Wichita, 58-60; Southern Illinois, 60-61; Arizona, 61-67. U.S.A., 18-19. Sociol. Asn. (pres, 41). Human ecology; urban communities; family, race and culture. Publ: The American city; Family in various cultures; Social pathology. Address: 4010 Ibis St, San Diego, Calif. 92103.
- QUEENER, PROF. E(DGAR) LLEWELLYN, b. Maryville, Tenn, Oct. 19, 19; m. 43; c. 2. PSYCHOLOGY. B.A. Tennessee, 42; B.D. Yale, 45, Ph.D. (psychol. & relig), 47. Asst. prof. philos. & psychol, Tennessee, 47-49; PROF. PSYCHOL, SOUTHWESTERN AT MEMPHIS, 49- Intern, dept. psychiatrist, Tennessee, 57-58; private practice, 59- Fel. Psychol. Asn. Social psychology; psychology of religion; clinical psychology. Publ: Introduction to social psychology; Development of internationalist attitudes, J. Soc. Psychol. Address: Southwestern College, 2000 N. Parkway, Memphis, Tenn. 38112.
- QUERESHI, PROF. MOHAMMED Y(OUNUS), b. Haripur Hazara, Pakistan, Dec. 12, 29; m. 58; c. 3. APPLIED PSYCHOLOGY. B.A., Panjab, Pakistan, 49; B.T., Univ. Peshawar, 51; Smith-Mundt grant & Fulbright travel grant, 53-54; A.M. Illinois, 54 & 57, univ. fel, 55-56, Ph.D. (ed. psychol), 58; fel, Michigan, 57-58. Asst. master, Govt. Collegiate Sch, Pakistan, 51-52, head master, Govt. Mid. Sch, 52, instr, teacher training sch, 52-53; asst. ed. & psychol, Illinois, 54-55, Ford Found. fel, 59, res. assoc. ed, 60; asst. prof. PSYCHOL, Minnesota, Duluth, 60-62; North Dakota, 62-64; ASSOC. PROF. MARQUETTE, 64- Grants, 62-68. AAAS; Ed. Res. Asn; Psychol. Asn; Psychomet. Soc. Psychological statistics, measurement and evaluation; motivation; learning; developmental psychology; social perception. Publ: Generality of social perception scores, J. Abnorm. & Soc. Psychol; Mental test performance as a function of payoff conditions, item difficulty and degree of speeding, J. Appl. Psychol; Patterns of psycholinguistic development during early and middle childhood, Ed. & Psychol. Measurement, 67. Address: 2759 N. 68th St, Milwaukee, Wis. 53210.
- QUERIN, SISTER M(ARY) CHRISTOPHER, F.C.S.P., b. Seattle, Wash, July 19, 29. POLITICAL SCIENCE. B.Soc.Sci, Seattle, 50; fel, St. Louis, 58-59, Ph.D. 61. Vis. lectr. POLIT. SCI, SEATTLE, 59, asst. prof, 60-64, ASSOC. PROF, 64- Polit. Sci. Asn. Attitudes of elected officials on state constitutional revision in the state of Washington; contribution of James Wilson to contemporary idea of democracy in United States; case study of professional staffing in United States Senate Commerce committee. Address: Dept. of Political Science, Seattle University, Seattle, Wash. 98122.
- QUERSHI, DR. SALEEM M. M, b. Bareilly, India, Feb. 14, 31; Can. citizen; m. 59; c. 2. POLITICAL SCIENCE. B.A. Agra, 48, M.A., 50; LL.B., Lucknow,

- 52; Ph.D.(polit. sci), Pennsylvania, 60. Asst. prof. govt. & polit, Islamia Col, Karachi, 52-55; Sind Muslim Col, Karachi, 55-57; inst. pub. & bus. admin, Karachi, 57-60; assoc. prof. pub. admin, Nat. Inst. Pub. Admin, President's Secretariat, Karachi, 61; lectr, U.S. govt, McGill, 61-62; asst. prof. comp. & Am. govt, Saskatchewan, 62-63; pub. admin. & Asian & develop. polit. ALBERTA, 63-65, ASSOC. PROF. POLIT. SCI, 65-, summer res. grants, 64, 65, 67, res. grant, 68. Can. Coun. summer res. grant, 63-64; Brit. Coun. vis. grant, 68. Soc. Int. Develop. Asn. Asian Studies Mid. East Inst; Soc. Pub. Admin; Inst. Pub. Admin. Can. Government, politics, history and administration of south Asia; contemporary politics of the Middle East and Southeast Asia. Publ: Brain drain from the developing countries, Pakistan Horizon, 2nd Quart, 65; Pakhtunistan: the frontier dispute between Pakistan and Afghanistan, Pac. Affairs, spring-summer 66; Party politics in the second republic of Pakistan, Mid. East. J. Autumn 66. Address: Dept. of Political Science, University of Alberta, Edmonton, Alta, Can.
- QUERY, DR. JOY M(ARVES) N(EALE), b. Staffordshire, Eng, June 18, 26; m. 56; c. 2. SOCIAL PSYCHOLOGY. A.B. Drake, 54, M.A. 55; Ph.D.(sociol), Kentucky, 60. Instr. SOCIOLOGY, Kentucky, 56-57, asst. prof, 60-61; ASSOC. PROF. Transylvania Col, 61-66; N.DAK. STATE, 66- Sociol. Asn; Psychol. Asn. Social psychiatry. Publ: Pre-morbid adjustment and family structure, J. Nervous & Ment. Disease, 61; co-auth, Prognosis and progress: a five year study of forty-eight schizophrenic men, J. Consult. Psychol, 65. Address: 1202 Oak St. N, Fargo, N.Dak. 58102.
- QUERY, DR. WILLIAM T(HEODORE), JR, b. Paducah, Ky, Jan. 12, 29; m. 56; c. 2. PSYCHOLOGY. A.B. Ill. Col, 51; M.A. Drake, 55; Ph.D. Kentucky, 61. Psychologist, Long Island Home, 55-56; East. State Hosp, 56-57; Vet. Admin. Hosp, Lexington, Ky, 61-64, psychologist, 65-66; CHIEF PSYCHOLOGIST, St. Wulstan's Hosp, Malvern, Eng, 64-65; VET. ADMIN. CENTER, 66- Part-time assoc. prof, N.Dak. State, 66- U.S.A. 51-53. Psychol. Asn; Sociol. Asn. Social psychology of small groups as applied to mental hospital patients and the role relationships of personnel; personality factors involved in the perception of the general hospital among patients. Publ: Illness, work, and poverty: the hospital/factory in rehabilitation, Jossey-Bass, 68. Address: 1202 Oak St. N, Fargo, N.Dak. 58102.
- QUESENBERRY, DR. CHARLES P, Statist, see 11th ed, Phys. & Biol. Vols.
- QUEST, DR. LINDA GERBER, b. York, Pa, Nov. 8, 35; m. 64. POLITICAL SCIENCE. B.A. Pa. State, 57, M.A. 59; Woodrow Wilson Found. fel, Pennsylvania, 59-60, Ph.D.(polit. sci), 64. Ed. asst, Annals, Am. Acad. Polit. & Soc. Sci, 60-64; ASST. PROF. POLIT. SCI, ADELPHI, 64- N.Y. State Ed. Dept. fels, faculty seminars, Center For Area Studies, 65-67. Distinguished Teacher award, Adelphi, 68. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Political theory; comparative politics. Address: 169 Ninth St, Brooklyn, N.Y. 11215.
- QUESTER, DR. GEORGE HERMAN, b. Brooklyn, N.Y, July 14, 36; m. 64. POLITICAL SCIENCE. A.B. Columbia, 58; Mass. Inst. Tech, 58-59; A.M. Harvard, 64, Ph.D.(polit. sci), 65. Instr. GOVT, HARVARD, 65-67, ASST. PROF, 67- Res. grants, center int. affairs, Harvard, 64-68, Soc. Sci. Res. Coun, 68-69. U.S.A.F. 58-61, 1st Lt. International relations; arms control; American government; economic theories of politics. Publ: Deterrence before Hiroshima, Wiley, 66. Address: Center for International Affairs, 6 Divinity Ave, Cambridge, Mass. 02138.
- QUIATT, DR. DUANE D, b. Stambaugh, Mich, Oct. 21, 29; m; c. 2. ANTHROPOLOGY. A.B. Michigan, 56, A.M. 59; Ph.D.(anthrop), Colorado, 66. ASST. PROF. ANTHROP. MISSOURI, COLUMBIA, 66- AAAS; Int. Primatol. Soc; Anthropol. Asn. Nonhuman primate social and communicative behavior; small group processes; culture and biology. Address: Dept. of Anthropology, University of Missouri, Columbia, Mo. 65201.
- QUICK, PROF. HORACE F(LOYD), Pop. Geog. & Ecol, see 11th ed, Phys. & Biol. Vols.
- QUIGGLE, PROF. ROBERT RAY, b. Los Angeles, Calif, Mar. 31, 24; m. 51; c. 3. PSYCHOLOGY. B.A. Minnesota, 52; M.A. Southern California, 54. Statistician, Am. Acad. Ophthal. & Otolaryngol, 54-56; asst. psychol, Minnesota, Minneapolis, 56-57, Instr, 57-63; ASSOC. PROF. PSYCHOL, BAKERSFIELD COL, 63- Res. psychologist, Minn. State Dept. Pub. Welfare, 58-63. U.S.C.G. 43-45. Psychol. Asn. Personality research; behavior therapy. Publ: Co-auth, Practical psychiatric nursing, Minn. Dept. Pub. Welfare, 63; Determination of the normal hearing reference zero, J. Acoustical Soc. Am; The 1954 Wisconsin state fair hearing survey, Laryngoscope. Address: 4200 Ridgemoor Ave, Bakersfield, Calif. 93306.
- QUIGLEY, PROF. HAROLD S(COTT), Polit. Sci, see 10th ed, Soc. & Behav. Vols.
- QUIGLEY, DR. JOHN J(OSEPH), b. New York, N.Y, Oct. 23, 05; m. 28; c. 2. ECONOMICS. A.B. N.Y. Univ, 25, Ph.D.(econ), 32; A.M. Columbia, 26. Instr. econ, Wash. Sq. Col, N.Y. Univ, 26-33, sch. commerce, 33-35; with Fed. Govt, 35-48; v.pres. & gen. mgr, Goble Aircraft Specialties, Inc, 48-51; regional chief economist, Off. Price Stabilization, 51-53; renegotiator, N.Y. Regional Renegotiation Bd, 53-62; ASSOC. PROF. ECON. & BUS. ADMIN, FAIRLEIGH DICKINSON, 62- Asst. chief economist, Morris Plan Bankers Asn, 44-47. Relations of federal government to industry; business cycles; inflation; business and government budgets; cost reduction through work simplification. Publ: The loan industry; co-auth, The trust problem; auth, Dividing up increased productivity, Commercial & Financial Chronicle. Address: Fairleigh Dickinson University College of Business Administration, Rutherford, N.J. 07070.
- QUIGLEY, K(ENNETH) L(EE), b. North Bend, Nebr, Apr. 9, 16; m. 42; c. 1. FOREST ECONOMICS. B.S. Colo. Agr. & Mech. Col, 39; M.S. Ohio State, 57. Forester, forest surv, Southeast. Forest Exp. Sta, 40-41; res. forester, Louisiana, 42; Union Bag & Paper Co, 46; forester, Cent. States Forest Exp. Sta, 46-49, forest economist, 49-66, ASST. DIR. RES. ADMIN. IN ECON. RECREATION & WILDLIFE, NORTHEAST FOREST EXP. STA, 66- C.Eng. 42-46, Capt. Soc. Am. Foresters. Timber marketing and related research in forest economics. Publ: A look at black walnut timber resources and industry, Northeast. Forest Exp. Sta, 67; Markets for forest products in Kentucky, Ky. Agr. Exp. Sta. Bull; co-auth, Prospect for hardwood pulp manufacture in Illinois, Bull. 78, Univ. Illinois Col. Agr, 66. Address: Northeast Forest Experiment Station, 6816 Market St, Upper Darby, Pa. 19082.
- QUIGLEY, DR. STEPHEN P(ATRICK), Psychol, see 10th ed, Soc. & Behav. Vols. Latest known address: 2013 Burlington, Urbana, Ill. 61801.
- QUILLIAN, PROF. BASCOM OSBORNE, JR, b. Willacoochee, Ga, Oct. 1, 13; m. 39; c. 2. POLITICAL SCIENCE. B.S. Georgia, 35, M.A. 48; L.L.B. Emory, 53. Training officer, U.S. Vet. Admin, 45-48; instr. POLIT. SCI, off campus center, Georgia, 48-49; GA. STATE COL, 49-53, asst. prof, 53-65, ASSOC. PROF, 65-, ASST. DEAN STUDENTS, 57- U.S.A. 42-45, Adj. Gen. Corps. Res, 49-56, Capt. Public law, especially American constitutional law. Publ: Co-auth, Instructors test manual, Prentice-Hall, 58; auth, State action and white primaries, J. Pub. Law, 53; County unit plan reviewed, Atlanta J, 66. Address: Dept. of Political Science, Georgia State College, 33 Gilmer St. S.E. Atlanta, Ga. 30303.
- QUILTY, ROGER P(AUL), C.S.C, Polit. Sci, see 10th ed, Soc. & Behav. Vols.
- QUIMBY, PROF. GEORGE IRVING, b. Grand Rapids, Mich, May 4, 13; m. 40; c. 4. ETHNOLOGY, ARCHAEOLOGY. A.B. Michigan, 36, M.A. 37, univ. fel, 37-38; Archaeol, 38-39. State supvr, Fed. Archaeol. Surv, La, 39-41; dir, Muskegon Mus, 41-42; asst. curator, N.Am. archaeol, Field Mus. Natural Hist, 42-43; curator anthrop. exhibits, 43-53, N.Am. archaeol. & ethnol, 54-65; PROF. ANTHROP, WASHINGTON (SEATTLE) & CURATOR ANTHROP, BURKE MUS, 65-, DIR, 68-, acting dir, 67-68. Lectr, Northwestern, 49-52; Chicago, 49-; vis. Fulbright lectr, Oslo, 52; Am. Coun. Learned Soc. res. grant-in-aid, 61-62; res. assoc. Field Mus. Natural Hist, 65- Mem. expeds, Great Lakes, Hudson's Bay, lower Mississippi Valley & Southwest, 35-65. Fel. Anthropol. Asn; Arctic Inst. N.Am; Soc. Am. Archaeol.(secy, 58-52, pres, 58); Soc. Ethnohist; Soc. Hist. Archaeol. Pleistocene environments of North America; North American archaeology and ethnology; museums; culture history; cultural ecology; ethnohistory; historical archaeology; quaternary studies; underwater archaeology. Publ: Co-auth, Indians before Columbus, 47 & auth, Indian life in the upper Great Lakes, 60, Univ. Chicago; auth, Indian culture and European trade goods, Univ. Wisconsin, 66. Address: Burke Museum, University of Washington, Seattle, Wash. 98105.
- QUINLAN, DR. CLAIRE A(GNES), b. Westerly, R.I, Oct. 3, 29. PSYCHOLOGY. B.A. Rhode Island, 51; M.A. Colo. State Col, 61, fel, 61-63, Ph.D. 64. Teacher, high sch, Vt, 52-53, Colo, 53-58 & 59-60, jr. high sch, R.I. 58-59; instr. psychol, COLO. STATE COL, 63-64, ASST. PROF. PSYCHOL. & COUNSELOR, PSYCHOL. SERV. 64- Ed. Res. Asn; Personnel & Guid. Asn. College student personnel work. Address: Dept. of Psychology, Colorado State College, Greeley, Colo. 80631.
- QUINN, DR. B. RICHARD, b. New Hampton, Mo, Jan. 4, 34; m. 54; c. 3. PSYCHOLOGY, EDUCATION. B.S. Ed. Northwest Mo. State Col, 56; M.S. Okla. State, 62, Ed.D.(higher ed), 65. Nat. Defense Ed. Act counseling asst, Okla. State, 61-62, asst, 64-65; dir. student personnel, Mo. West. Jr. Col, 62-65; ASST. PROF. PSYCHOL. & CHMN. DEPT. NORTHWEST MO. STATE COL, 65- Res. asst, Okla. City Drop-out Retraining Prog, 65. U.S.N.R. 51-59. Examination of certain variables associated with personal and social adjustment change in school dropouts. Address: Dept. of Psychology, Northwest Missouri State College, Maryville, Mo. 64468.
- QUINN, EDWIN M(ARTIN), b. Memphis, Tenn, Jan. 26, 23; m. 62; c. 2. SOCIAL PSYCHOLOGY. A.B. Southwestern at Memphis, 47; A.M. Chicago, 49. Asst. prof. soc. sci, LeMoyne Col, 49-53, acting dean, 52-53; dept. spec. asst. to chief Naval res, Off. Naval Res, 53-61; asst. Navy mem, mutual weapons development team, U.S. Dept. Defense, Paris, France, 61-63; RES. STAFF MEM. COMPUT. ASSISTED INSTR. RES. T.J. WATSON RES. CENTER, INT. BUS. MACH. CORP, 63- U.S.A.A.F. 42-45. Sociol. Asn. Computer assisted instruction techniques, particularly reference to remedial education for adults and young adults; reading. Address: Thomas J. Watson Research Center, International Business Machines Corp, P.O. Box 218, Yorktown Heights, N.Y. 10598.
- QUINN, PROF. HERBERT F(URLONG), b. Montreal, Que, Can, Feb. 11, 10; m. 55; c. 1. POLITICAL SCIENCE. B.A. Sir George Williams, 41; M.A. McGill, 46; Ph.D.(polit. sci), Columbia, 59. Lectr. POLIT. SCI, SIR GEORGE WILLIAMS, 42-47, asst. prof, 47-49, assoc. prof, 49-55, PROF, 55- Can. Coun. Sr. Res. fel, 66-67. Am. Polit. Sci. Asn; Int. Polit. Sci. Asn. European political parties, especially those of France; politics in Quebec. Publ: The union nationale: a study in Quebec nationalism, Univ. Toronto Press, 63; The 3rd national convention of the liberal party, Can. J. Econ. & Polit. Sci; The liberal party in recent Canadian politics, Polit. Sci. Quart. Address: 3789 Royal Ave, Montreal, Que, Can.
- QUINN, PROF. JAMES A(LFRED), b. Oskaloosa, Iowa, July 13, 95. SOCIOLOGY. A.B. Missouri, 17, A.M. 21; Ph.D. Chicago, 31. From instr. to EMER. PROF. SOCIOLOGY, CINCINNATI, 22- Sociol. Asn; Pop. Asn; fel. Royal Geog. Soc. Development of human ecology in sociology. Publ: Human ecology; Urban sociology; Living in social groups. Address: 5150 S. Harvard, Apt. 217, Tulsa, Okla. 74135.
- QUINN, PROF. JAMES BRIAN, b. Memphis, Tenn, Mar. 18, 28; m. 50; c. 3. BUSINESS ADMINISTRATION. B.S. Yale, 49; M.B.A. Harvard, 51; Ph.D. (econ, bus), Columbia, 57; hon. M.A. Dartmouth Col, 64. New prod. analyst, Allen B. DuMont Labs, Inc, 51-54; asst. prof. mkt. Connecticut, 54-57; asst. prof. prod. & mgt. & asst. dean AMOS TUCK SCH. DARTMOUTH COL, 57-58, assoc. prof. PROD. & MGT, 58-64, PROF, 64- Ford Found. res. fel, 63-64; res. grants, Sloan Found, J.A. McCarthy Found, Nat. Bur. Standards & Amos Tuck Asn, 67-68. Consult. long range planning & res. mgt. to U.S. & for. companies, 57-; staff consult, select cmt. sci. res, U.S. House Rep, 64; consult, U.S. Depts. Defense & Treas. Mem. cmt. tech, Atlantic Coun, 87- AAAS. Research management; long range planning; technological innovation and change; technological forecasting and competition; national

science policy; strategic formulation for science and technology; international industrial-technical companies. Publ: Yardsticks for industrial research management, Ronald, 59; Long range planning of industrial research, 7-8/61 & Technological competition: U.S. vs. Europe, 7-8/66, Harvard Bus. Rev. Address: Amos Tuck School, Dartmouth College, Hanover, N.H. 03755.

QUINN, DR. JOSEPH RICHARD, European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

QUINN, DR. OLIVE W(ESTBROOKE), b. Jonesboro, Ark, Aug. 1, 14; div. SOCIOLOGY. A.B. Goucher Col, 36; Rosenwald fells, Chicago, 44-46, A.M., 45, Ph.D.(sociol), 51. Asst. prof. sociol. & psychol, Southwestern at Memphis, 45-52, assoc. prof, 52-54; sch. psychologist, Nat. Cathedral Sch, 54; sociologist, lab. socio-environ. studies, Nat. Inst. Ment. Health, 54-58; as- soc. prof. SOCIOL. GOUCHER COL, 58-65, PROF, 65-, CHMN. DEPT, 64-, DIR. CENTER SOCIOL. STUDY, 58- Fulbright grant, third annual summer inst, Tunghai, 64. Mem. Gov. Cmn. Study Probs. Illegitimacy, Md, 59-61; bd. rev. Patuxent Inst, 61-; Gov. Cmn. to Study Sentencing in Criminal Cases, 63-64. Sociol. Asn. Mental health; race relations; social psychology. Publ: Wife of the mental patient and the hospital psychiatrist, J. Soc. Issues; co-auth, The urban Negro and adoption of children, In: Child Welfare, 62; chaps. in: The Genain quadruplets, Basic Books, 63. Address: 800 Range Court, Towson, Baltimore, Md. 21204.

QUINN, DR. ROBERT D(EAN), b. Spokane, Wash, Feb. 10, 18; m. 39; c. 4. PSYCHOLOGY. B.A. Chicago, 46, Ph.D.(human develop), 51. Clin. psych- ologist, Vet. Admin. Regional Off, Seattle, Wash, 50-56; Vet. Admin. Hosp, Am. Lake, Wash, 56-66; admin. consult, ment. health center prog. direction, Tacoma Ment. Health Center, 66-67; ASST. CHIEF STAFFING BR. & CON- SULT. PSYCHOLOGIST, DIV. MENT. HEALTH SERV. PROG, NAT. INST. MENT. HEALTH, 67- Consult. group ther, psychiat. resident training prog, West. State Hosp, Ft. Steilacoom, Wash, 66. U.S.A.A.F, 43-45, 1st Lt. Psy- chol. Asn; Pub. Health Asn. Group dynamics; community psychology. Publ: Co-auth, A low-cost community clinic, Hosp. & Community Psychiat, 4/67. Address: National Institute of Mental Health, 5454 Wisconsin Ave, Chevy Chase, Md. 20203.

QUINNEY, DR. DEAN N, b. Carbondale, Pa, Nov. 27, 27; m. 63; c. 3. FOR- ESTRY. ECONOMICS. B.S. Pa. State, 50; M.S. State Univ. N.Y. Col. For- estry, Syracuse, 54; Ph.D.(forestry), Mich. State, 61. Res. forester, Lake States Forest Exp. Sta, U.S. DEPT. AGR, 52-57, PRIN. ECONOMIST, N.CENT. FOREST EXP. STA, 57- Asst. prof, Utah State, 57-59; lectr, Minnesota, Duluth, 66- U.S.A.A.F, 46-47. Soc. Am. Foresters; Forest Prod. Res. Soc. Natural resources economics; forest economics; land use studies; inter-regional studies of comparative advantage for industrial production. Publ: Co-auth, Minnesota's forest resources, U.S. Dept. Agr, 58 & Lake states forest lands in a changing economy, Land Econ, 11/63; auth, Small private forest landownership in the United States, Natural Resources J, 1/64. Address: North Central Forest Experiment Station, University of Minnesota, 118 Old Main Bldg, Duluth, Minn. 55812.

QUINNEY, DR. RICHARD, b. Elkhorn, Wis, May 16, 34; m. 58; c. 1. SOCIOL- OGY. B.S. Carroll Col, 56; M.A. Northwestern, 57; Ph.D.(sociol), Wiscon- sin, 62. Instr. SOCIOL. St. Lawrence, 60-62; asst. prof. Kentucky, 62-65; ASSOC. PROF, N.Y. UNIV, 65- Sociol. Asn; Soc. Study Social Probs; Nat. Coun. Crime & Delinquency. Criminology; sociology of law; political sociol- ogy. Publ: Co-auth, Criminal behavior systems: a typology, Holt, 67. Ad- dress: Dept. of Sociology, New York University, Washington Square, New York, N.Y. 10003.

QUINSEY, PROF. DONALD LEROY, Psychol, see 10th ed, Soc. & Behav. Vols.

QUINT, JULES V(ICTOR), b. Worcester, Mass, May 29, 04; m. 36; c. 2. STATISTICS. B.S. Pittsburgh, 27. RES. ASSOC. OCCUP. & ACCIDENT STATIST. METROP. LIFE INS. CO, 27- Chmn. subcm. revision. U.S. Am. Inst. Indust. Standards Code for Indust. Accident Statist, 65- Statist. Asn; fel. Pub. Health Asn; Indust. Hyg. Asn. Publ: Fires and explosions in the home, Nat. Acad. Sci-Nat. Res. Coun. Pub. No. 986, spring 61; Motorcycle accident fatalities increasing, Proc. Home Off. Life Underwriters Asn, 4/67; Thrill sports are dangerous, Ins. News, 7/67. Health and accident hazards in industry; accident, occupation and labor force statistics. Ad- dress: 7 Lark Lane, Norwalk, Conn. 06851.

QUINTANA, PROF. BERTHA BEATRICE, b. New York, N.Y., Jan. 14, 24. CULTURAL ANTHROPOLOGY. B.A. Upsala Col, 52; M.A. N.Y. Univ, 58, fel, 58-60, Ed.D.(anthrop), 60. Asst. dir. admin, Vassar Col, 52-54; lectr. sociol, Upsala Col, 57-60; asst. prof. ANTHROP, N.Y. Univ, 60-61; assoc. prof, MONTCLAIR STATE COL, 61-65, PROF, 65- Vis. assoc. prof, N.Y. Univ, 61-63. Anthropol. field work, Andalusian Gypsy studies, Spain, 59, fel, 63, 65, 66 & 68; N.Y. Univ. assignment, Ghana, 60. Fel. Anthropol. Asn; fel. Soc. Appl. Anthropol; fel. Sociol. Asn. Ethno-psychology; cultural dynamics; re-acculturation. Publ: The deep song of the Andalusian Gypsies, N.Y. Univ, 60; Acculturation and the Gypsies of southern Spain, 65 & Stress and individuation in Andalusian Gypsy culture, 67, Am. Anthropol. Asn. Abstracts. Address: 32 Glanran Rd, Livingston, N.J. 07039.

QUINTO, DR. LEON JAY, b. New York, N.Y., May 18, 26. ECONOMICS. B.A. Columbia, 46, M.A., 48, Ph.D.(econ), 52. Asst. prof. econ, Pa. State, 52-55; res. assoc. finance, Lehman Bros, 55-56; STAFF ECONOMIST, INT. BUS. MACH. CORP, 57- Econ. Asn; Royal Econ. Soc. Investment analysis; public finance and monetary economics. Publ: Municipal income taxation in the United States; co-auth, Two possible solutions to Pennsylvania's revenue crisis, Pa. Bus. Surv. & Application of linear programming to competitive bond bidding, Econometrica. Address: 200 E. 66th St, New York, N.Y. 10021.

QUINTON, DR. JOHNNY D(AMON), b. Porter, Okla, Oct. 22, 18; m. 46; c. 2. INDUSTRIAL PSYCHOLOGY, COUNSELING. B.A. Lincoln Mem. Univ, 46; M.A. Tulsa, 47; Kansas, 47-49; Ed.D. Houston, 64. Instr. psychol, Tulsa, 49; prof. psychol. & head dept, Ark. Polytech. Col, 49-51; consult, training & eval, Serv. Pipe Line Co, 53-55; TRAINING REP. SUPVR. & EXEC. DE-

VELOP, Shell Pipe Line Corp, 55-59; TENNECO OIL CO, 59- Lectr, Hous- ton, 57-67; dept. commerce, Rice, 66- Consult, Douglas Aircraft Co, 51; Gen. Analine & Film Corp, Texas City, Tex; Monsanto Co, Houston; Brown Oil Tool Co. U.S.A., 39-41, Sgt. AAAS; Psychol. Asn. Appraisal, evaluation, selection and development of upper supervisors and executives. Publ: How to prepare for management responsibility, Gulf Pub. Co; How to run a per- sonnel testing program, Pipe Line Indust; Mental health in industry, Petrol. Refiner. Address: P.O. Box 2511, Houston, Tex. 77001.

QUITTMAYER, DEAN CHARLES L(OREAUX), b. Peekskill, N.Y. Dec. 23, 17; m. 56; c. 4. BUSINESS ADMINISTRATION. A.B. Col. William & Mary, 40; M.B.A. Harvard, 47; univ. fel, Columbia, 50-51, Ph.D.(bus. admin), 55. Asst. prof. bus. admin, Col. William & Mary, 48-54; lectr. mkt, Buffalo, 54-56, asst. prof, 56-57; assoc. prof. commerce, Virginia, 57-61; sr. scien- tist, Tech. Ops, Inc, 61-62; prof. bus. admin. & head dept, COL. WILLIAM & MARY, 62-68, DEAN SCH. BUS. ADMIN, 68- Consult, Adv. Coun. Va. Econ, 48-51; Alderson & Sessions, 55; State Div. Planning & Econ. Develop, Va, 56; Wye Inst, Inc, 65-66; Hampton Planning Cmn, 66-67. U.S.A., 42-46, Capt. Econ. Asn. Management; marketing; industrial development. Publ: Faculty consulting practices; co-auth, The Chesapeake Bay fisheries of Maryland & Hampton waterfront economic study. Address: 210 Kingswood Dr, Williamsburg, Va. 23185.

R

RAAB, PROF. DAVID H(ARRY), b. New York, N.Y., May 12, 20; m. 58. PSY- CHOLOGY. A.B. Brooklyn Col, 40; A.M. Harvard, 43; Ph.D.(psychol), Roch- ester, 45. Instr. psychol, Rochester, 45; res. assoc. neuroanat, sch. med, Emory, 45-46, instr. PSYCHOL, 46; from instr. to PROF, BROOKLYN COL, 46- AAAS; Psychol. Asn. Sensory functions. Address: Dept. of Psychology, Brooklyn College, Brooklyn, N.Y. 11210.

RABB, DR. THEODORE K, Mod. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

RABBAN, DR. MEYER, b. Pittsburgh, Pa, July 1, 18; m. 48; c. 3. PSYCHOL- OGY. A.B. Pittsburgh, 39; M.A. Columbia, 48, Ph.D., 50. MEM. FACULTY PSYCHOL, SARAH LAWRENCE COL, 49- Lectr, Adelphi Col, 50-54; Bank St. Col, 50-60; dir, Windward Sch, 55-61; parent-child camp, Bronx House- Emanuel Camps, 53-55, 58-59; Camp Rainbow, 60-; res. assoc, Albert Ein- stein Col. Med, 61-; assoc, Tavistock Centre, London, Eng, 67-68. U.S.A., 42-46. Psychol. Asn; Soc. Res. Child Develop. Child development. Ad- dress: Dept. of Psychology, Sarah Lawrence College, Bronxville, N.Y. 10708.

RABEAU, DR. RONALD G(ILBERT), Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.

RABEN, DR. MARGARET W(ALSER), Exp. Psychol, see 11th ed, Phys. & Biol. Vols.

RABIDEAU, DR. GERALD FRANCIS, b. Antigo, Wis, Feb. 18, 21; m. 53; c. 2. PSYCHOLOGY, HUMAN FACTORS. B.A. Wisconsin, 47, M.A., 49; Res. Found. fel, Purdue, 51-53, Ph.D.(psychol), 53. Res. assoc. training psychol, Am. Inst. Res, 53-54; soc. scientist, Rand Corp, 55-56; sr. scientist, Norair Div, Northrop Corp, 56-60; mem. tech. staff, Space Tech. Labs, Inc, 60-62; chief anal. group, space & info. systs. div. N.Am. Aviation, Inc, 62-64; tech. dir. res, defense systs. div, Bunker-Ramo Corp, 64-66; V.PRES. & SR. STAFF SCIENTIST, RITCHIE, INC, DAYTON, 67- Mem. human factors cmt, Electronic Indus. Asn, 60-65, chmn, 62-65. A.U.S., 42-45. Psychol. Asn; Human Factors Soc. Research and technological applications of behavior sciences and engineering data to man-machine systems analysis, design and evaluation; graduate program academic activities. Publ: Co-auth, Human factors evaluation in system development, 65 & auth, Human factors analysis in system development, (in press), Wiley. Address: 2714 Greene Hills Dr, Fairborn, Ohio 45324.

RABIN, PROF. ALBERT I(SRAEL), b. Mervine, Lithuania, June 20, 12; nat; m. 49. PSYCHOLOGY. B.S. Boston, 35, M.A., 36, Ph.D.(abnorm. psychol), 39; Harvard, 36-38. Asst. psychol, Boston, 37-38; psychologist, Boston State Hosp, 38-39; chief psychologist, State Hosp, N.H., 39-47; res. psychol- ogist, Michael Reese Hosp, Chicago, 47-48, assoc. prof. & dir. psychol. clin, 48-53; PROF. PSYCHOL, Mich. State, 53-64, dir. psychol. clin, 53-61; City Univ. New York, 64-65; MICH. STATE, 65- Lectr, grad. sch, Boston, 41, exten, 45; vis. prof, Hebrew Univ, Israel, 62. Consult, Hawthorne Sch, 45; Golden Rule Farm, 41-46; Vet. Admin. Hosps, 59-; State Prison of South. Mich. Psychol. Asn; Soc. Proj. Tech; Soc. Res. Child Develop; Orthopsychiat. Asn. Effect of childhood experience on personality development; time perception and time perspective; projective techniques. Publ: Ed, Projective techniques with children; auth, Growing up in the kibbutz, 65 & ed, Projective techniques in personality assessment, 68, Springer. Address: Dept. of Psychology, Michigan State University, East Lansing, Mich. 48823.

RABIN, DR. ROBERT L(EONARD), b. Chicago, Ill, Aug. 9, 39; m. 66. LAW, SOCIAL SCIENCE. B.S. Northwestern, 60, J.D., 63, Ph.D.(polit. sci), 67. ASST. PROF. LAW, WISCONSIN, 66- Law and the social sciences. Publ: When is a religious belief religious—U.S. v. Seeger and the scope of free exercise, Cornell Law Quart, 66; Do you believe in a supreme being—the administration of the conscientious objector exemption, Wis. Law Rev, sum- mer 67. Address: Law School, University of Wisconsin, Madison, Wis. 53706.

RABINOVITCH, DR. M(ORTIMER) SAM, b. Montreal, Que, May 21, 27; m. 49; c. 3. PSYCHOLOGY. B.Sc, McGill, 48, M.Sc, 49; Ph.D.(psychol), Purdue, 52. Res. clin. psychol, Cincinnati, 50-51; U.S. Pub. Health Serv. res. fel, Worcester State Hosp, 52-53; res. psychologist, dept. neurol. res, British Columbia, 53-54; from asst. prof. to ASSOC. PROF. PSYCHOL. & PSY- CHIAT, MCGILL, 54-; DIR. DEPT. PSYCHOL, MONTREAL CHILDREN'S HOSP, 54- Am. Psychol. Asn; Soc. Proj. Tech. & Personality Assessment; Asn. Ment. Deficiency; Can. Psychol. Asn. Child development; psycho- diagnostic techniques. Publ: Physiologic response, perceptual threshold,

and Rorschach test anxiety indices, *J. Proj. Tech.; Personality correlates of electroencephalographic patterns*, *Can. J. Psychol.*; Use of frequency analysis in the interpretation of the EEG's of patients with psychological disorders, *Electroencephalog. Clin. Neurophysiol.* Address: Dept. of Psychology, McGill University, Montreal 2, Que, Can.

RABINOVITCH, DR. RALPH D., b. Montreal, Que, Jan. 17, 17; U.S. citizen; m. 45; c. 2. **CHILD PSYCHIATRY.** B.A., McGill, 36, M.D., C.M., 42. Res. fel. child psychiatrist, Bellevue Hosp., N.Y. Univ., 46-49; assoc. prof., Michigan, 49-56; DIR, HAWTHORN CENTER, 56- Consult, Vet. Admin., 49-56; Nat. Inst. Ment. Health, 60- Mem. exec. cmt, Nat. Interdisciplinary Cmt. Reading Probs, 66- Can Army, 43-45. Orthopsychiat. Asn.; Psychiat. Asn.; Acad. Child Psychiat. Childhood schizophrenia; reading and language disabilities; diagnostic criteria in child psychiatry; techniques of residential treatment of severely emotionally disturbed children. Publ: Co-auth, Child psychiatry, In: Progress in neurology and psychiatry, Vols. III-XVI, Grune, 48-61; auth, The hazards of being human, In: The nature of being human, Wayne State Univ., 58; Dyslexia: psychiatric considerations, In: Reading disability, Johns Hopkins, 62. Address: Hawthorn Center, Haggerty Rd, Northville, Mich. 48167.

RABINOW, BARNEY, b. New York, N.Y., Sept. 23, 11; m. 37. **SOCIOLOGY, EDUCATION.** B.S.S., City Col. N.Y., 33; M.A., N.Y. Univ., 43. Supv. prii, Hawthorne Cedar Knolls Sch., 39-54; prog. dir, Children's Village, 54-60; chief community renewal prog, New York, 60-66; DIR, LOCAL AREA PLANNING, PLANNING CMN. NEW YORK, 67-, consult, 60-66. Lectr, sch. ed, Hunter Col., 49-59; adj. assoc. prof, grad. div, sch. ed, Yeshiva, 60-64. Consult, competencies for teachers of soc. maladjusted, Dept. Health, Ed. & Welfare, 52-54; Jewish Bd. Guardians, Mt. Vernon Center, 53-54; child welfare bur, Dept. Pub. Welfare, Harrisburg, Pa., 54-57; div. handicapped children, N.Y. State Dept. Ed., 63-65. Fel. Orthopsychiat. Soc.; assoc. Group Psychother. Asn.; Coun. Except. Children. Learning disabilities; training and supervision of teachers for exceptional children; community social structure; urban problems; municipal policy planning. Publ: Role of the school in residential treatment, *J. Am. Orthopsychiat. Asn.*, fall 54; Recruitment, training and supervision of teachers for emotionally disturbed, *N.Y. State Dept. Ed.*, 64; Criteria for delineation of community districts, *New York Planning Cmn.*, 66. Address: 55 Pineridge Rd, White Plains, N.Y. 10603.

RABINOWITZ, DR. F. MICHAEL, b. New York, N.Y., Apr. 3, 41; m. 65. **CHILD PSYCHOLOGY, MATHEMATICS.** B.S., Rensselaer Polytech, 61, M.S., 63; Ph.D. (child psychol), Iowa, 65. ASST. PROF. PSYCHOL, WASHINGTON (SEATTLE), 65- Soc. Res. Child Develop; Psychol. Asn. Children's behavior and motivation. Address: Dept. of Psychology, University of Washington, Seattle, Wash. 98105.

RABINOWITZ, PROF. WILLIAM, b. New York, N.Y., June 24, 25; m. 50; c. 2. **EDUCATIONAL PSYCHOLOGY.** B.S., City Col. New York, 47; Rochester, 43-44; M.A., Columbia, 49, Ph.D. (ed. psychol), 55. Lectr. ed. res. div, teacher ed, City Col. New York, 50-53, instr., 56-57, asst. prof, 57-61, assoc. prof, 62-64; PROF. ED. PSYCHOL. & HEAD DEPT., PA. STATE, 64- Lectr, Hunter Col., 52-64; res. assoc, Bank St. Col. Ed., 53-56. Consult, bur, teacher ed. & cert, State Dept. Ed., N.Y., 61-64. U.S.N.R., 43-46, Lt. (jg). AAAS; Psychol. Asn.; Ed. Res. Asn. Research in teacher education; programmed learning; educational and psychological testing. Publ: Co-auth, Some observations on the selection of students for teacher education programs, *J. Teacher Ed.*; Study of teachers careers, *Sch. Rev.*; Brief projective methods, In: Perspectives in personality research. Address: Dept. of Educational Psychology, Pennsylvania State University, University Park, Pa. 16802.

RABLEN, DR. RICHARD A. (RTHUR), b. Auburn, N.Y., Mar. 30, 30. **CLINICAL PSYCHOLOGY.** B.A., DePauw, 52; M.A., Wisconsin, 55, Ph.D., 58. Asst., Wisconsin, 52-55, 57-58; clin. psychol. intern, Vet. Admin., 54-57; U.S. Pub. Health fel. clin. psychol, WORCESTER STATE HOSP., 58-60, asst. dir. intern training, 60-65, DIR, TRAINING, DEPT. PSYCHOL., 65- Lectr, Leicestershire Jr. Col., 62-; Clark Univ., 67- Psychol. Asn. Psychopathology; thought disorders; group and individual psychotherapy. Publ: Co-auth, Development of a scale to measure process changes in psychotherapy (*J. Clin. Psychol.*). Address: Worcester State Hospital, Worcester, Mass. 01604.

RABSON, DR. GRACE RUBIN, b. Brooklyn, N.Y., Aug. 18, 03; m. 26. **PSYCHOLOGY.** Scholar, Hunter Col., 20-24, A.B., 24; M.A., Columbia, 33, Ph.D. (psychol), 38. Instr. music, Hunter Col., 24-32; piano, Bd. Ed., N.Y., 32-44; lectr. psychol, Indiana, 45-56; PRACTICING PSYCHOLOGIST, 46- Fel. Psychol. Asn. Psychology of music and aesthetics; social attitudes; personality. Publ: A new psychotherapy in schizophrenia; Psychology of memorizing music, *J. Ed. Psychol.*; contrib, Medical practice with special reference to pediatrics, In: Handbook of applied psychology. Address: 2264 W. Live Oak Dr, Los Angeles, Calif. 90028.

RACHIELE, DR. LEO D. (ONALD), b. Sharpsburg, Pa., Apr. 3, 22; m. 48; c. 2. **PSYCHOLOGY.** B.S., Duquesne, 46; M.S., Denver, 48, Ed.D. (ed. psychol), 52. Instr. psychol, Detroit, 50-52, asst. prof, 52-54, dir. psychol. serv. center, 52-54; psychomet. & res, LE MOYNE COL. (N.Y.), 54-55, ASSOC. PROF. ED., 55-, chmn. dept, 62-64. Lectr, Maria Regina Col., 65-66; Onondaga Community Col., 66-67. Consult. psychologist, 52-; chief psychologist, Child Study Center, Syracuse, N.Y., 60-67. U.S.N., 44-46. Psychol. Asn. Industrial psychology; personality. Publ: Item selection for the full range picture vocabulary test; Comparative analysis of ten year old Negro and white performance on the Wechsler intelligence scale for children. Address: 307 S. Townsend St, Syracuse, N.Y. 13202.

RACHLIN, CAROL K. (ING), b. Newark, N.J., July 21, 19. **ANTHROPOLOGY.** B.S., Columbia, 53. Asst. state archaeologist, N.J. State Mus., 52-53; res. specialist ethno., Am. Mus. Natural Hist., 55-58; ASSOC. DIR. ANTHROP., SOUTHWEST RES. ASSOCS., 60- Res. assoc, Ind. Hist. Soc., 54-; Am. Acad. Arts & Sci. res. award, 60. Consult, Philbrook Art Mus, Tulsa, Okla., 58-61; dir. off. Econ. Opportunity Dietary Cooking Prog. & consult, Okla. Indian Coun., 63- Fel. AAAS; fel. Anthropol. Asn.; Ethnol. Soc.; Soc. Am. Archaeol.; Ethnol. Soc.; fel. Soc. Appl. Anthropol. Prehistoric textiles of the northeast-

ern United States Mississippi Valley; ethnology of the northeastern woodland tribes and groups. Publ: Co-auth, Methodology of the North American Indians, Crowell, spring 68; auth, Native American Church of Oklahoma, Chronicles Okla. Hist. Soc., 65; co-auth, Four case histories: Indians 1966, Southwest Rev, spring 66. Address: Southwest Research Association, 2908 N. Harvey Pkwy, Oklahoma City, Okla. 73103.

RACHLIN, DR. HOWARD C. (ARL), b. New York, N.Y., Mar. 10, 35; m. 62; c. 1. **EXPERIMENTAL PSYCHOLOGY.** B.M.E., Cooper Union, 57; M.A., New Sch. Soc. Res., 62; Ph.D. (psychol), Harvard, 65. ASST. PROF. PSYCHOL., HARVARD, 65- Psychol. Asn.; Psychonomic Soc. Animal behavior; psychophysics. Publ: Scaling of velocity, distance and time, Perception & Psychophys., 66; Recovery of responses during mild punishment, *J. Exp. Anal. Behav.*, 66; co-auth, Training of key pecking by negative reinforcement, Science, 67. Address: Dept. of Psychology, Harvard University, Cambridge, Mass. 02138.

RACKAUSKAS, DR. CONSTANTINE R., b. Kaunas, Lithuania, July 2, 05; nat; m. 31; c. 2. **GOVERNMENT.** B.A., Kaunas, Lithuania, 24; LL.B., Paris, 28, LL.D., 46; Rome, 34; Berlin, 35. Asst. prof., Lithuania, 34-44; charge de cours, Inst. des Hautes Etudes Int., Paris, 47; ASST. PROF. COMP. GOVT., FORDHAM, 48- Legal adv, Ministry For. Affairs, Lithuania, 37-40. Commandeur, Order of Gediminas. International law and relations; comparative government; post-war international relations of Western Europe; Soviet Union and its satellites; communism. Publ: Internationalization of Jerusalem; La Lithuanie: ses souffrances et ses droits, Travaux de l'Action Populaire; Political status of the Baltic Sea and peace in northern Europe, Baltic Rev. Address: Dept. of Political Science, Fordham University, Rose Hill Campus, Bronx, N.Y. 10458.

RACKHAM, T. (THOMAS) S. (TANLEY), b. Lloydminster, Sask., Nov. 18, 14; m; c. 4. **AGRICULTURAL ECONOMICS.** B.S.A., Saskatchewan, 37; fel. Mont. State Col., 53-54, M.Sc., 55; Iowa State, 57. Asst. economist, Can. Dept. Agr., 49-51; instr. field husb., Vermilion Sch. Agr., Alta. Dept. Agr., 51-52; farm mgt, exp. sta, Mont. State Col., 54-55, mkt. economist, exten. serv., 55-56, asst. prof. mkt, exp. sta, 56-57; assoc. staff, agr. econ, Iowa State, 57-59, exten. econ, exten. serv., 60-61; asst. prof. farm mgt, Ont. Agr. Col., 59-60; statistician-economist, Dom. Bur. Statist., Ottawa, 61-62; tech. officer & specialist farm mgt. & agr. develop, Food & Agr. Orgn., Un., 62-67; HEAD MKT. BR., ECON. DIV., ALTA. DEPT. AGR., 67- Ed. Alta. Farm Economist. Am. Agr. Econ. Asn.; Can. Agr. Econ. Soc.; Agr. Inst. Can. Economics of agricultural production and marketing; related sociological and political affairs; socio-economic barriers to economic and agricultural development in diverse cultures of Near East, Africa and Latin America. Address: Marketing Branch, Economics Division, Alberta Dept. Agriculture 10405-100 Ave, Edmonton, Alta, Can.

RACKMAN, DR. EMANUEL, b. Albany, N.Y., June 24, 10; m. 30; c. 3. **POLITICAL SCIENCE.** B.A., Columbia, 31, LL.B., 33, Ph.D. (pub. law), 53; hon. D.D., Yeshiva, 61. Instr. polit. sci., YESHIVA, 46-52, asst. prof., 52-56, assoc. prof., 56-62, ASST. TO PRES. FOR UNIV. AFFAIRS, 62- Rabbi, Fifth Ave. Synagogue, 67- Mem. exec, Jewish Agency Israel, 65- U.S.A.A.F., 43-46, Maj. Philosophy of Jewish law; separation of church and state. Publ: Israel's emerging constitution; Jewish values for modern man, J.E.C. Press, 63; Judaism. Address: 30 E. 62nd St, New York, N.Y. 10021.

RACKOW, PROF. FELIX, b. New York, N.Y., Apr. 4, 23; m. 44; c. 3. **POLITICAL SCIENCE.** B.S., Cornell, 46, M.A., 48, Ph.D. (polit. sci.), 52. Asst. econ, Cornell, 46-47; govt, 47-51; lectr, Lawrence Col., 51-52; instr. POLIT. SCI., Brown, 52-53, asst. prof., 53-55; CASE WESTERN RESERVE, 55-62, ASSOC. PROF., 62- Mem. task force, President's Cmn. Intergovt. Rels., 54. U.S.N.R., 43-46, Lt. (jg). Polit. Sci. Asn. Changing presidential-congressional relationships, moving within the constitutional framework from a theoretical separation of powers to a large degree of fusion. Publ: Presidential nominating politics in 1952; Right to counsel: English and American precedents, William & Mary Quart.; Right to counsel: time for recognition under the due process clause, West. Reserve Law Rev. Address: Dept. of Political Science, Case Western Reserve University, Cleveland, Ohio 44106.

RACKOW, DR. LEON L., Psychiat, see 11th ed, Phys. & Biol. Vols.

RACUSEN, DR. FRANCES R. (HEA), b. Chicago, Ill., Aug. 28, 21. **PSYCHOLOGY.** A.B., Cent. YMCA Col., 43; M.A., Iowa, 48, Ph.D. (psychol), 52. Clin. psychologist, Downey Vet. Admin. Hosp., Ill., 52-54; WEST SIDE VET. ADMIN. HOSP., CHICAGO, 54-60, ASST. CHIEF PSYCHOLOGIST, 60- Group ther. consult, Lawrence Hall Home for Boys, 66- Dipl. Am. Bd. Exam. Prfl. Psychol., 59- Psychol. Asn.; Group Psychother. Asn. Psychotherapy; group therapy; psychodiagnostics. Publ: Co-auth, Alumni group psychotherapy as a form of aftercare program, Int. J. Group Psychother., 4/67; An evaluation of alumni group psychotherapy for patients discharged from a group living program, Arch. Gen. Psychiat., 4/68. Address: 4180 Marine Dr, Chicago, Ill. 60613.

RACZ, PROF. GABRIEL PERRY, b. Szombathely, Hungary, Aug. 31, 15; U.S. citizen; m. 62. **ECONOMICS.** Geneva, 38; Ph.D. (econ), Pazmany Peter Univ, Budapest, 42; N.Y. Univ., 55-58. First secy, Hungarian Treasury, 35-45; councillor & budgeting econ. adv, Hungarian Ministry For. Affairs, 45-48; research econ. & consult, Swedish Coop, 48-52; acct, Pan American World Airways, N.Y., 52-55; assoc. prof. ECON, Incarnate Word Col., 55-59; PROF., Central Michigan, 59-67; MEMPHIS STATE, 67- Ford Found. faculty res. fel., La., 58-59; Mich. Bell Tel. Co. fel., 61; Central Michigan Univ. res. grant, Sweden, 66. Consult, Mid-European Studies Center, N.Y., 52-55; Southwest Res. Center, Tex., 56-58. Econ. Asn. The Swedish approach to economic stabilization; the burden of the national debt; economic reforms in the Union of Soviet Socialist Republics. Publ: Co-auth, Hungary, Mid-European Studies Center, 59; & Finance chapter & Marketing chapter, In: Southwest resources handbook, Southwest Res. Inst., 58. Address: Dept. of Economics, Memphis State University School of Business Administration, Memphis, Tenn. 38111.

RADA, PROF. EDWARD L. (OUI), b. Mill City, Ore., Apr. 28, 16; m. 40; c. 4. **ECONOMICS.** B.S., Ore. State Col., 37, M.S., 42; Ph.D., Southern California,

56. Asst. agr. mkt. Ore. State Col. 41-42; agr. economist, U.S. Bur. Reclamation, Calif. 49; mkt. economist, Hawaii, 50-52; asst. prof. family & consumer econ, CALIFORNIA, LOS ANGELES, 53-59, assoc. prof. ECON, 59-64, PROF. SCH. PUB. HEALTH, 64-, ASST. DEAN, 66- Consult, agr. mkt. serv. U.S. Dept. Agr. U.S.N.R., 43-46, Lt. Publ. Irrigation investment in Taiwan, 63; Quality of California's credit, 66; The Cal-Vet program: a study of state-financed housing. Address: School of Public Health, University of California, Los Angeles, Calif. 90024.

RADAKER, PROF. LEON D(ELLOSSE), b. Brookville, Pa, Aug. 2, 12; m. 34; c. 1. PSYCHOLOGY. B.S. Slippery Rock State Col. 33; M.S. Pittsburgh, 38; Ford Found. fel. Pa. State, 52-53, Ed.D. 59. Asst. adult ed, Slippery Rock State Col. 34; teacher, pub. sch, Pa. 34-42; Butler Area Schs, 42-54, psychologist & dir. res, 56-64; PROF. PSYCHOL, WESTMINSTER COL. (PA), 64-, lectr, 60-64. Lectr, exten, Pa. State, 57-; Pullman Standard Car Mfg. Co, 58; Pittsburgh, 61- Consult, Butler County Juvenile Court, Guid. Clin. & State Dept. Disability Determination, Pa, 65-; Family Serv. & Children's Aid, 65- Psychol. Asn. Psychological examining; role of visual imagery and memory; personality profiles of delinquents; human figure drawings; major factors associated with reading casualties. Publ: Visual imagery of retarded children, Exp. Children; Visual imagery and memory for word forms, Dissertation Abstracts. Address: Dept. of Education & Psychology, Westminster College, New Wilmington, Pa. 16142.

RADELL, DR. JEFFREY L, b. Dec. 15, 24; U.S. citizen. COMPARATIVE GOVERNMENT, INTERNATIONAL RELATIONS. M.A., Paris, 51, Ph.D. (totalitarian regimes), 62; M.A., Indiana, 60. Instr. area studies, Indiana, 57-58; assoc. prof. totalitarian regimes & polit. theory & dir. Inst. Soviet Studies, Niagara, 62-64; ASSOC. PROF. COMP. GOVT. & POLIT. THEORY, WIS. STATE, OSHKOSH, 64- Wis. State Bd. Regents res. grants, 65-67. AAAS, Asn. Adv. Slavic Studies; Polit. Sci. Asn; Acad. Polit. Sci. Totalitarian doctrines; institutional, functional and theoretical analyses; nazism; fascism; communism; measurements for people's reaction to governmental power input-output correlation of modern dictatorships; tracing sociological basis of Italian fascism. Publ: Motivating factors for revolutionism among the aristocratic society of Imperial Russia, Historia, Paris, 1950; Totalitarian patterns of government, Allyn & Bacon, 69. Address: Dept. of Political Science, Wisconsin State University, Clow Center 422, Oshkosh, Wis. 54902.

RADEMAKER, PROF. JOHN A(DRIAN), b. Tacoma, Wash, Aug. 26, 05; m. 39; c. 2. SOCIOLOGY, ANTHROPOLOGY. A.B. Col. Puget Sound, 30; A.M., Washington (Seattle), 35, Ph.D.(sociol), 39. Asst. prof. Oregon, 39; instr. sociol. & soc. work, Bates Col, 39-43; community analyst, War Relocation Authority, Granada Relocation Center, Colo, 43-44; asst. prof. sociol, Hawaii, 44-47; PROF. SOCIOL. & ANTHROP. & CHMN. DEPT, WILLAMETTE, 47- Chmn, Ore. Joint Coun. Soc. Welfare Legis, 55-57; v-pres, Marion County Health Coun, 61-62, pres, 62-63. AAAS; Sociol. Asn; Soc. Study Social Probls. Ethnic relations; community organization and legislation on social services; health needs and services; fluoridation policies in local communities; pre-historic culture of the Willamette Valley; effect of early releases of election return computerized predictions on the voting behavior of Oregon voters in 1964. Publ: Ecological position of Japanese farmers in the State of Washington; These are Americans; co-auth, Public relief in Washington, 1853-1933. Address: Dept. of Sociology & Anthropology, Willamette University, Salem, Ore. 97301.

RADER, DR. GORDON E(LLIS), b. Waterville, Wash, May 18, 28; m. 48; c. 5. CLINICAL PSYCHOLOGY. B.S., Washington (Seattle), 50; Ph.D.(clin. psychol), Yale, 56. Trainee clin. psychol, Vet. Admin. Ment. Health Center, Hartford, Conn, 52-54; clin. psychologist, Inst. Living, 54-56; Vet. Admin. Hosp., Roanoke, Va, 56-57; asst. prof. psychol. in psychiat. & chief adult outpatient psychol. sect, sch. med, North Carolina, 57-62; Chicago, 62-64; asst. prof. dept. psychiat. & head adult psychol. sect, med. center, Colorado, 64-68; ASSOC. PROF. PSYCHOL, SOUTHERN ILLINOIS, 68- Clin. psychologist, Yale, 54-55. Dipl. Am. Bd. Exam. Clin. Psychol. 61. Psychol. Asn; Soc. Proj. Tech. Projective techniques; psychotherapy; role of the clinician in clinical interaction; clinical inference; violent aggression; community mental health. Address: Dept. of Psychology, Southern Illinois University, Carbondale, Ill. 62901.

RADER, DR. JOHN TROUT, III, b. Corpus Christi, Tex, Aug. 23, 38; m. 66. ECONOMICS. B.A., Texas, 59; Woodrow Wilson fel. & M.A., Yale, 60, Ford Found. fel. & Ph.D.(econ), 63. Res. asst, Yale, 61-62; asst. prof. ECON, Missouri, 62-64; Illinois, 64-65; ASSOC. PROF. WASHINGTON (ST. LOUIS), 65- Nat. Sci. Found. res. grant, 65-70. Economet. Soc. Mathematical economic theory; mathematical social science with applications to economic history, and theory of ordinary differential equations. Address: Dept. of Economics, Washington University College of Arts & Sciences, St. Louis, Mo. 63130.

RADIUS, DR. WALTER A(LBRECHT), b. San Francisco, Calif, Apr. 25, 10; m. 39; c. 4. ECONOMICS. A.B. Stanford, 32. M.B.A. 34, Ph.D. 42; Rockefeller Found. fel. 38. Invest. analyst, N.A.M. Invest. Corp. 34-37; econ. analyst, Asn. San Francisco Distributors, 39; acting instr. & asst, Stanford, 39-42; sr. economist, div. spec. res, U.S. DEPT. STATE, 42-43, prin. economist, div. econ. studies & aviation div, 43-44, spec. asst, off. transport & communications policy, 44-45, adv, 45-46, dep. dir, 46-47, dir, 47-51, mgt. staff, 52-53, oper. coordinator, off. undersecy, 53-54, spec. asst. to dep. undersecy, econ. affairs, 54-56, for. serv. inspector, 56, civil air attache, Am. Embassy, Bonn, Germany, 56-60, dep. to econ. minister, London, 60-63, SPEC. ASST. TO ASST. ADMINSTR. NASA, 63- With Nat. War Col. 51-52. V.chmn. U.S. del. Danube Conf, Belgrade, 48. Econ. Asn. Foreign policy; government organization; international transportation and communication; telecommunications policy; satellite applications. Publ: United States Shipping in trans-Pacific trade: 1922-1938; Play of petroleum forces in the Far East & United States trade and the Sino-Japanese War, Far East. Surv. Address: U.S. Dept. of State, Washington, D.C. 20037.

RADKE, DR. KATHARINE, Sociol, see 10th ed, Soc. & Behav. Vols.

RADKINS, DR. ANDREW P(ETER), b. Chicago, Ill, Aug. 22, 26. INDUSTRIAL PSYCHOLOGY. B.S. Iowa State Col, 47; M.S. Purdue, 50, Ph.D.(indust. psychol), 58. Res. engr. ref. equip. & process, Standard Oil Co.(Ind), 47-49; asst. human eng, Purdue, 49-50, instr. indust. eng, 54-58; process engr. qual. control & experimentation, Kimberly-Clark Corp, 50-54; dir. consumer & mkt. res, M&M CANDIES DIV. FOOD MFRS, INC, 58-61, V.PRES. RES. & DEVELOP, 61- U.S.N.R., 44-46; U.S.A.F.R., 50-, 1st Lt. AAAS; Psychol. Asn; Soc. Qual. Control; Mkt. Asn; Inst. Food Tech. Applications of psychological methods to industry; understanding and prediction of human behavior as it relates to purchasing and using of non-durable goods. Address: Box 146, Brookside, N.J. 07926.

RADLOFF, DR. ROLAND WALTER, b. Welcome, Minn, Sept. 6, 27; m. 55; c. 1. SOCIAL PSYCHOLOGY. B.A. Elmhurst Col, 50; Ph.D. Minnesota, 59. Asst. soc. psychol, Minnesota, 56-59; asst. prof. psychol, Yale, 59-60; RES. PSYCHOLOGIST, U.S. Pub. Health Serv, 60-63; NAVAL MED. RES. INST, 63- Summer instr, Minnesota, 58 & 59. U.S.N., 45-46. Psychol. Asn. Small groups under stress; social comparison; social influences on attitudes and behavior. Publ: Co-auth, Groups under stress, Appleton, 68. Address: 1425 Juniper St. N.W., Washington, D.C. 20012.

RADLOW, DR. ROBERT, b. New York, N.Y., Mar. 20, 29; m. 57; c. 1. PSYCHOLOGY. B.S. City Col. New York, 50; M.S., Pa. State, 53, Ph.D.(psychol), 55. Asst. prof. psychol, Woman's Col, North Carolina, 55-59, assoc. prof, 59-60; Nat. Sci. Found. res. fel, Pa. State, 59-60, Nat. Inst. Ment. Health res. fel, 60-61; staff psychologist, INST. FOR RES, 61-63, co-dir. DIV. MATH. PSYCHOL, 63, DIR, 63-, PRES, INST, 64- AAAS; Psychol. Asn; Psychomet. Soc; Acad. Polit. & Soc. Sci. Decision theory; game theory; experimental social psychology; learning-theory. Address: Institute for Research, 257 S. Pugh St, State College, Pa. 16801.

RADNER, DR. LOUIS, b. New York, N.Y., July 10, 28; m. 60. EXPERIMENTAL PSYCHOLOGY. Ph.D.(exp. psychol), Connecticut, 54. Personnel psychologist, U.S. Dept. Army, 54-56; instr, European Prog, Maryland, 56-58, lectr, 60-61; MEM. TECH. STAFF, Ramo Wooldridge Corp, 58-60; MITRE CORP, 61- Psychol. Asn. Information processing systems; displays; human engineering; systems analysis; urban problems. Publ: Test of the mechanisms of learning proposed by Hull and Guthrie, J. Exp. Psychol. Address: Apt. 518, 1200 N. Nash St, Arlington, Va. 22209.

RADNER, PROF. ROY, b. Chicago, Ill, June 29, 27; m. 49; c. 4. ECONOMETRICS. M.S., Chicago, 51, Ph.D.(math. statist), 56; fel. Center Adv. Study Behav. Sci, 55-56. Asst. prof. Cowles Cmn. Res. Econ, Chicago, 54-55; econ, Yale, 55-57; assoc. prof. ECON. & STATIST, CALIFORNIA, BERKELEY, 57-62, PROF, 62- Guggenheim fels, 61-62 & 65-66. Consult, Boeing Airplane Co, 56-57; Kaiser Found. Psychol. Res, 57-58; maritime cargo transportation conf, Nat. Acad. Sci, 58-62, cmt. utilization sci. & eng. personnel, 63-64; Rand Corp, 59-; Syst. Develop. Corp, 63-65; econ. adv. panel, Nat. Sci. Found, 63-65; policy cmt, Contra Costa County Proj. Econ. Ed. Curriculum Develop. & In-serv. Training of Teachers 64-65; Carnegie Cmn. Future Higher Ed, 67- U.S.A., 45-48. AAAS; fel. Economet. Soc; Inst. Math. Statist; Statist. Asn; Inst. Mgt. Sci. Mathematical economics; organization theory; reliability; management science. Publ: Notes on the theory of economic planning, Center Econ. Res, Athens, Greece, 63; co-auth, Optimal replacement policy, North-Holland Press & Rand-McNally, 67; auth, Team decision problems, Ann. Math. Statist, 33: 857-881. Address: Dept. of Economics, University of California, Berkeley, Calif. 94720.

RADNOR, DR. MICHAEL, b. London, Eng, Feb. 1, 33; m. 58; c. 2. INDUSTRIAL ENGINEERING. B.S. London, 55, D.I.C., 56; London Sch. Econ, 55-56; Walter C. Murphree fel, Northwestern, 61-63, Irwin Found. fel, 63-64, Ph.D. (orgn. behav), 64. Prod. engr, Bedek Aircraft, Israel, 57-58; asst. to works mgr, C.A.V. Ltd, Eng, 58; sr. mfg. engr, Westinghouse Elec. Corp, Ohio, 59-60; v-pres. & gen. mgr, Tann Controls Co, Mich, 60-61; ASSOC. PROF. BUS. ADMIN, NORTHWESTERN, 64- Inst. Mgt. Sci. Research and development processes and management; management science activities in organizations; organization behavior; managerial controls; international management problems. Publ: Control of research and development by top managers in 48 very large companies, In: Operational research and the social sciences, Tavistock, 66; co-auth, Some organizational factors related to the effectiveness of management science groups in industry, Mgt. Sci, 4/67; auth, Integration and utilization of management science activities in organizations, Oper. Res. Quart, 6/68. Address: Dept. of Business Administration, Northwestern University, Evanston, Ill. 60201.

RADOM, DR. MATTHEW, b. Radom, Poland, Aug. 27, 05; U.S. citizen; m. 34; c. 2. BUSINESS ADMINISTRATION. B.S., U.S. Naval Acad, 28; M.A., N.Y. Univ, 37; Ph.D.(bus. admin), Columbia, 66. Personnel mgr, marine dept, Standard Oil Co, N.J., 37-42, sr. adv. employee rels, 45-55, 56-57, 58-61, personnel mgr. refinery, Esso Standard Norway div, 57-58; ASSOC. PROF. MGT, UNIV. COL. RUTGERS, 61-, CHMN. DEPT, 65- Vis. prof. sch. indust. & labor rels, Cornell, 55-56; Israel Inst. Tech, 66-67. Dir. Richardson, Bellows, Henry & Co, 61-66. Mem. manpower cmt. Bus. Adv. Coun, 45-52, chmn, 52-55; Hoover Cmn, Nat. Mil. Estab. Task Group, summer 48; exec. cmt, Nat. Training Labs, 58-61. U.S.N., 28-37, Res, 42-45, Capt. Indust. Rels. Res. Asn. Motivation; management and organizational behavior; union-management cooperation; motivation of scientists. Publ: Management development in Israel, Israel Inst. Tech, 66; Business and military leadership in Israel, a contrast, J. World Bus, 3/68. Address: 748 Kingston Rd, Princeton, N.J. 08540.

RADSPIELER, DR. ANTHONY, b. Grand Haven, Mich, June 1, 26; m. 51; c. 1. INTERNATIONAL ECONOMICS, SOCIOLOGY. B.A., Mich. State, 50; Inst. Int. Ed. grant, Zurich, 50-52, Ph.D.(econ), 54. Head Ruhr Field Off. Am. Friends Serv. Cmt, Germany, 54-55; Nuremberg Field Off, UN High Cmnr. for Refugees, 55-57, sr. eligibility adv, 57-59; res. consult, U.S. Dept. State, 59-60, sr. economist, Off. Res. & Anal. for West. Europe, 60-63; chief econ. affairs sect, Am. Consulate Gen, Frankfurt, Germany, 63-65; econ. consult, Robert Nathan Assocs, Inc, D.C., 65-66; regional economist, econ. develop. admin, U.S. DEPT. COMMERCE, 66-68, INT. ECONOMIST, OFF. FOR. DIRECT INVESTMENTS, 68- U.S. Maritime Serv, 44-47, Ens. Econ. Asn;

- Acad. Polit. & Soc. Sci. Demography and Western European-Central European population movements; international legal protection of refugees. Publ: The ethnic German refugee in Austria: 1945-54. Address: Neeld Estate, Huntingtown, Md. 20639.
- RADWANSKI, PROF. PIERRE ARTHUR**, b. Latoszyn, Poland, Jan. 4, 1903; m. 37; c. 1. **ANTHROPOLOGY, ETHNOLOGY**. Lic. en Philos, Jagiellonian, 26, D.Sc.(phys. anthrop.), 31. Asst. phys. anthrop., anthrop. inst, Jagiellonian, 22-31, prof. anthrop. & ethnol. col. sci., 31-39; res. fel. phys. anthrop., Royal Inst. Natural Sci., Belgium, 47-51; PROF. phys. & cultural anthrop., Ottawa (Can), 52-54; **ANTHROP. & SLAVIC ETHNOL.** MONTREAL, 52-, **HEAD SLAVIC SECT.**, 62- Fels, Francqui Found., Belgium, 50; Queen Elisabeth of Belgium, 51; Dept. Resources & Develop., Can, 53; Can. Coun., 66. Mem., Can. Center Anthrop. Res. Award, Ministry Ed, Poland, 31. Polish Inst. in Am.(secy. gen); N.Y. Acad. Sci.; Can. Asn. Slavists; Royal Belgian Soc. Anthropol. Problems of the synthesis of the science of man; anthropological research of the Eskimo and French Canadians; problems of Slavonic ethnology; systematics of culture. Publ: Man, the known, Universum Press Co, 66; Problemes des synthèses de la science de l'homme, Royal Belgian Soc. Anthropol. Bull; Anthropological structure of 101 Eskimos from Baffin Island and the Province of Quebec, Anthropologica. Address: Faculty of Letters, University of Montreal, Montreal, Que, Can.
- RADWAY, PROF. LAURENCE I(NGRAM)**, b. Staten Island, N.Y., Feb. 2, 19; m. 49; c. 4. **GOVERNMENT**. B.S., Harvard, 40, I.A., 43, fel., 46-50, A.M., 48, Ph.D., 50; M.P.A., Minnesota, 43; hon. M.A., Dartmouth Col., 59. Tutor, Harvard, 46-50; instr. GOVT, DARTMOUTH COL., 50-52, asst. prof., 52-57, assoc. prof., 57-59, PROF., 59- Prof., Nat. War Col., 62-63; lectr., Am. specialists prog., U.S. Dept. State, 65. Consult., Off. Defense Mobilization, 52; mem. bd. adv. Indust. Col. Armed Forces, 58-62; civilian aide, Secy. Army, 62- U.S.A., 44-46, Capt. Polit. Sci. Asn; Soc. Pub. Admin. Public administration; foreign and military affairs. Publ: Soldiers and scholars; Military behavior in international organization; Foreign policy and national defense, Scott, 68. Address: 22 Occom Ridge, Hanover, N.H. 03755.
- RAE, DR. DOUGLAS WHITING**, b. Indianapolis, Ind., May 2, 39; m. 65; c. 1. **POLITICAL SCIENCE**. B.A., Indiana, 62; M.S., Wisconsin, 65, Ph.D.(polit. sci.), 66. ASST. PROF. POLIT. SCI., Syracuse, 66-67; **YALE**, 67- Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Competitive structure of democratic life, including elections, argument and elite interaction; post-industrial democracies. Publ: The political consequences of electoral laws, Yale, fall 67; Decision rules and industrial values in collective choice, Am. Polit. Sci. Rev., 3/69. Address: Dept. of Political Science, Yale University, New Haven, Conn. 06520.
- RAE, PROF. GEORGE R.**, b. Port Huron, Mich., Apr. 15, 18; m. 53; c. 3. **GEOGRAPHY, ENVIRONMENTAL SCIENCE**. A.B., Eastern Michigan, 41; Cornell, 42-43; A.M., Michigan, 48, Ph.D.(geog.), 63. Teacher, pub. sch. Mich., 41-42; instr. geog., Michigan, 47-50; eng. geogr., Tippet-Abbett-McCarthy-Stratton, Consult. Engrs., N.Y., 55-61; sr. ops. analyst, Radio Corp. Am., N.J., 61-64; assoc. prof. GEOG., Millersville State Col., 64-67; PROF., SHIPPENSBURG STATE COL., 67- U.S.N., 42-46, 50-55, Capt. Asn. Am. Geog.; Am. Geog. Soc.; Polar Soc.; Soc. Am. Mil. Eng.; Arctic Inst. N.A.; Royal Can. Geog. Soc. Geography of settlements; engineering geography. Publ: Discovery and settlement of the Great Slave Lake Frontier, Canada, Ann Arbor Pub., 63; co-auth., Communications satellite systems, Maj. Sys. Div., Radio Corp. Am., Vols. I & II, 62; Placer mining of anthracite in the Susquehanna River Basin of Pennsylvania, Pa. Geogr., 3/67. Address: Dept. of Geography, Shippensburg State College, Shippensburg, Pa. 17257.
- RAEFF, DR. LILLIAN**, b. Vienna, Austria, Nov. 5, 26; U.S. citizen; m. 51; c. 2. **PSYCHOLOGY**. B.Sc., City Col. New York, 50; M.A., Clark, 51, Ph.D. (psychol.), 56. Lectr. psychol., Smith Col., 54-56; Clark, 56-58; **STAFF PSYCHOLOGIST**, Bergen Pines County Hosp., 61-64; **MENT. HEALTH CONSULT. CENTER, BERGEN COUNTY**, 64- Psychol. Asn. Developmental psychology. Address: 479 Knickerbocker Rd, Tenafly, N.J. 07670.
- RAE-GRANT, DR. QUENTIN A.**, Psychiat., see 11th ed, Phys. & Biol. Vols.
- RAFF, MORTON S(PENCER)**, Statist., see 11th ed, Suppl. IV to Phys. & Biol. Vols.
- RAFFEL, DR. SHERMAN C(ARL)**, b. Ashland, Ky., Oct. 7, 25; m. 49; c. 2. **CLINICAL PSYCHOLOGY**. A.B., George Washington, 48; M.A., Tennessee, 51, Ph.D., 53. Dir. ment. health center, Montgomery Health Dept., Ala., 56-59; asst. prof. PSYCHOL., MED. CENTER, ALABAMA, 59-68, **ASSOC. PROF.**, 68-, **PROJ. COORDINATOR, CEREBROVASCULAR EPIDEMIOLOGY**, 65- Dipl., Am. Bd. Exam. Prfnl. Psychol., 64. U.S.A., 44-46, Med.Serv.C., 53-56, Res., 56-, Maj. AAAS; Orthopsychiat. Asn; Psychol. Asn. Psychological correlates of early brain pathology; early detection of cerebrovascular disease through nonmedical interview. Publ: Psychological evaluation of monoamine oxidase inhibitor effects, J. Neuropsychiat. Suppl., 2/61; co-auth., Intra-rater reliability of EEG interpretations, J. Nerv. & Ment. Disease, 7/62 & The epidemiology of carotid stenosis, J. Med. Asn. Ala., 3/67. Address: Spain Rehabilitation Center, 1717 Sixth Ave. S., Birmingham, Ala. 35233.
- RAFFERTY, DR. FRANK T(HOMAS)**, b. Greenville, Miss., Jan. 28, 25; m. c. 5. **PSYCHIATRY**. B.S., St. Mary's Col.(Minn.), 48; M.D., St. Louis, 48; M.S., Colorado, 53. Chief, neuropsychiat. sect., Eleventh Evacuation Hosp., U.S. Army, 50-51, psychiatrist, Camp Stoneman, Calif., 53-54, asst. chief neuropsychiat. serv., Tripler Hosp., Honolulu, Hawaii, 54-55; asst. dir., Utah Child Guid. Clin., 55-56, dir., 56-61; assoc. prof. PSYCHIAT., PSYCHIAT. INST., MARYLAND, 61-66, PROF., 66-, **DIR. DIV. CHILD PSYCHIAT.**, 61- Instr., col. med, Utah, 55-57, lectr., sch. soc. work, 57-58, asst. prof. psychiat. & asst. clin. prof. pediat., col. med, 57-61; Nat. Inst. Ment. Health res. grant, 58. Dir. psychiat. serv., Utah State Prison, 55-59; Adolescent Treatment Center, 58-61. Mem. task force, Joint Cmn. Ment. Health Children, 67-68. Dipl., Am. Bd. Psychiat. & Neurol., 55. Fel. Psychiat. Asn; Orthopsychiat. Asn; Acad. Child. Psychiat.; Acad. Polit. & Soc. Sci. Development and application of behavioral sciences to problems of child growth, development and socialization. Publ: The community is becoming, J. Am. Orthopsychiat.
- Asn; Child psychiatry service for a total population, J. Am. Acad. Child Psychiat.; co-auth., Diagnostic check point, Am. Psychiat. Asn. Res. Report. Address: Psychiatric Institute, University of Maryland, Baltimore, Md. 21201.
- RAFFERTY, DR. JAMES A(LLAN)**, Mgt. Sci., see 10th ed, Soc. & Behav. Vols.
- RAFFERTY, DR. JANET E(ILEEN)**, b. Cleveland, Ohio, May 14, 23. **PSYCHOLOGY**. Ph.D.(psychol.), Ohio State, 52. Clin. psychologist, ment. hyg. clin. health center, Ohio State, 53-54; lectr. PSYCHOL., SOUTHERN ILLINOIS, 54-55, asst. prof., 55-65, **ASSOC. PROF.**, 65- Nat. Inst. Ment. Health res. grant, 56-60. Psychol. Asn. Personality development; personality theory; experimentation and methodology in clinical psychology. Publ: Co-auth., Manual for the Rotter incomplete sentences blank, college form, J. Consult. Psychol.; auth., Personality assessment from free play observations, Child Develop., 60; The development of behavior patterns in children, Genetic Psychol. Monogr., 66. Address: Dept. of Psychology, Southern Illinois University, Carbondale, Ill. 62901.
- RAFISKY, WILLIAM L(AWRENCE)**, b. Oct. 21, 19; m. 52; c. 2. **ECONOMICS**. B.S., City Col. New York, 40. Labor economist, War Prod. Bd., 41-44; res. & ed. dir., Am. Fedn. Hosiery Workers, Am. Fedn. Labor, 45-51; exec. secy., Mayor of Phila., 52-54; develop. coordinator, City of Phila., 54-63; **EXEC. V.PRES. OLD PHILA. DEVELOP. CORP.**, 63- Statist. Asn; Indust. Rels. Res. Asn; Adult Ed. Asn; Nat. Asn. Housing & Redevelop. Officials (pres, 67-). Industrial relations; housing; adult education. Address: Old Philadelphia Development Corp., One E. Penn Square Bldg, Philadelphia, Pa. 19107.
- RAFUSE, DR. ROBERT W(ALLACE)**, JR., b. North Adams, Mass., Nov. 3, 36; m. 61. **ECONOMICS**. B.A., State Univ. N.Y. Binghamton, 58; Fulbright fel. Bordeaux, 58-59; Ph.D.(econ), Princeton, 64. Asst. prof. econ., Illinois, 63-64; economist, Adv. Cmn. Intergovt. Rels., 64-65; **ASST. PROF. ECON.**, GEORGE WASHINGTON, 65- Res. assoc., Brookings Inst., 66-67. Consult. State-Local Finances Proj., 65-66; Cmt. Econ. Develop., 65-66; Adv. Cmn. Intergovt. Rels., 65-67; consult. assoc., Mathematica, 66- Econ. Asn; Nat. Tax Asn. Cost-benefit analysis and intergovernmental fiscal relations, especially federal grants-in-aid to state and local governments. Publ: Co-auth., Federal-state coordination of personal income taxes, Adv. Cmn. Intergovt. Rels., 66; auth., Cyclical behavior of state-local finances, In: Essays in fiscal federalism, Brookings, 65; The efficiency of conditional grants-in-aid, Joint Econ. Cmt., 67. Address: 11717 Pine Tree Dr, Fairfax, Va. 22030.
- RAGAB, DR. ABD-ELMEGID ALI**, b. Tanta, Egypt, Oct. 25, 37. **BUSINESS ADMINISTRATION, MARKETING**. B.Com., Cairo, 60; M.B.A. Boston, 64; Ph.D.(mkt). American Univ., 67. Instr. BUS. ADMIN., Cairo, 60-62; **ASST. PROF. OKLAHOMA CITY UNIV.**, 67- Asst. prof. lectr., George Washington, 66-67. Mkt. Asn. The development of a scientific research methodology for studying and generalizing about the set of social phenomena known as business administration. Publ: Production problems in developing economies, El Nahda Pub. Co. 66. Address: Apt. 10, 2017 N. Blackwelder, Oklahoma City, Okla. 73106.
- RAGLE, DR. DAN D. M.**, b. Dearborn, Mich., Mar. 11, 25; m. 46; c. 3. **PSYCHOLOGY**. A.B., Kansas, 47, M.A., 49, Ph.D., 57. Asst. philos., Kansas, 46-56, asst. instr. west. civilization, 54, 56, asst. PSYCHOL., 55-57, res. assoc., 57-61, res. consult., 61; asst. prof., Washburn, 61-64; **RES. ASSOC. KANSAS**, 64- Nat. Inst. Neurol. Diseases & Blindness fel., 63-64. U.S.N.R., 43-46. Lt.(g). AAAS; Psychol. Asn. Ecological research in child psychology; learning theory as applied to natural behavior; natural social interaction. Publ: Co-auth., The churches of Midwest, Kansas and Yorndale, Yorkshire, Friendship, 67; auth., Frequency, source and results of naturally occurring problem solving, Am. Psychologist, 63; co-auth., Measuring extensions impact, J. Coop. Exten., 67. Address: 805 Ohio, Lawrence, Kans. 66044.
- RAGO, DR. LOUIS JOSEPH**, b. Budapest, Hungary, Mar. 17, 24; U.S. citizen; m. 55; c. 4. **INDUSTRIAL ADMINISTRATION**. B.B.A., József Nádor, 42; M.S.I.E., Munich Inst. Tech., 45; M.B.A., Chicago, 50; Ph.D.(prod), Munich, 54. Instr. indust. mgt., Toledo, 49-50; asst. prof., Notre Dame, 50-52; Marquette, 52-53; assoc. prof., Rhode Island, 54-55; prof. prod. mgt., Duquesne, 55-66; **ASSOC. PROF. INDUST. ADMIN., ILLINOIS, URBANA**, 64- Hungarian Govt. fel., 42-45; Lübbert & Alexander von Humboldt fel., 43-45; vis. prof., Valparaiso, 51, Munich, 53; lectr., Karlsruhe Tech., Tech. Univ., Berlin & Free Univ. Berlin, 67. Acad. Mgt. Soc. Adv. Mgt. Production industrial engineering; operations research. Publ: Costreduction through rationalisation, Carl Hanser Verlag, 58; Production analysis and control, 64 & Casebook in production management, 67, Int. Textbook. Address: Dept. of Industrial Administration, University of Illinois, Urbana, Ill. 61801.
- RAGSDALE, DR. RONALD GENE**, b. La Crosse, Wis., Feb. 23, 36; m. 62; c. 1. **EDUCATIONAL PSYCHOLOGY**. B.S., Wisconsin, 61, Nat. Defense Ed. Act fel. & Ph.D.(ed. psychol.), 65. Res. assoc. Learning Res. & Develop. Center & asst. prof. ed. res., Pittsburgh, 64-66; asst. prof. comput. appln., ONT. INST. STUDIES ED., 66, **ASSOC. PROF.**, 67- U.S.A.F., 55-59. Psychol. Asn; Ed. Res. Asn; Asn. Comput. Mach; Nat. Coun. Measurement in Ed; Psychomet. Soc. Computer applications in psychological research and education. Address: Dept. of Computer Applications, Ontario Institute for Studies in Education, 102 Bloor St. W., Toronto 5, Ont., Can.
- RAHDERT, PROF. KARL G(EORGE)**, b. Ft. Wayne, Ind., Oct. 1, 20; m. 46; c. 3. **BUSINESS MANAGEMENT**. B.S., Indiana, 42, M.B.A., 49, D.B.A., 52. Instr. mgt., Indiana, 46-52; asst. prof., Ohio State, 52-53; asst. to pres. admin. mgt., Edmont Mfg. Co. & mgr. personnel admin., jet engine dept., Gen. Elec. Co., 53-57; **PROF. BUS. ADMIN. MGT., BOWLING GREEN STATE**, 60- Ford Found. Case Study Prog. fel., Harvard, 61; Ford Found. bus. fel., Chicago, 62. Consult., several indus. orgn.; Little Hoover Cmn., State of Ohio, 64-67. U.S.N., 42-46, Lt. Comdr. Indust. Rels. Res. Asn; Inst. Indust. Eng. Business policy and organization theory; operations and industrial management; industrial personnel development. Publ: What you should know about profit sharing; Locating a branch plant; Philosophy of personnel development, Bus. Horizons. Address: Dept. of Management, Bowling Green State University, Bowling Green, Ohio 43402.

RAICH, ABRAHAM LEONARD, Inorg. Chem. Anal. Statist, see 11th ed, Phys. & Biol. Vols.

RAICHE, PROF. VICTOR, b. Tracadie, N.B., Mar. 21, 35; m. 56; c. 5. GEOGRAPHY. B.A., Col. Bathurst, 56; Can. Coun. scholar, Ottawa (Ont), 58-60, M.A., 62. Geogr. geogr. br, Can. Dept. Mines & Tech. Surv., 60-62; admin. asst, Premier's Off, Govt. N.B., 62-63; sr. geogr. Bur. d'Aménagement de l'Est du Québec, 63-66; ASST. PROF. GEOG. COL. BATHURST, 66-, HEAD DEPT. SOC. SCI., 67- Can. Asm. Geog. (cert. of merit, 60); French-Can. Asm. Adv. Sci. Periglacial geomorphology; land-use survey and research in connection with regional planning and development; methods of teaching geography at the undergraduate level. Publ: Co-auth, Freeze-thaw cycles at Resolute, N.W.T. & Simple transverse nivation hollows at Resolute, N.W.T., Geog. Bull., 11/62. Address: Dept. of Geography, College of Bathurst, Bathurst, N.B., Can.

RAICHLE, PROF. DONALD R(ODERIC), Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

RAID, PROF. HOWARD DANIEL, b. West Point, Iowa, Oct. 22, 12. m. 40; c. 1. AGRICULTURAL ECONOMICS. A.B., Parsons Col., 38; M.S., Iowa State Col., 47; Ph.D., Ohio State, 53. Instr. Iowa State Col., 45-47; from assoc. prof. to prof. econ. & acting dean, Bluffton Col., 47-67; PRES, FREEMAN JR. COL., 67- Partner & consult, Raid Bros. Construct. Co. Econ. Asn; Agr. Econ. Asn; Economet. Soc. Family farm succession; introduction to modern economics; mutual insurance. Publ: Mem, materials and Mennonites in mutual aid, Asn. Mennonite Aid Soc., 67. Address: Freeman Junior College, Freeman, S. Dak. 57029.

RAIFE, PROF. LeROY, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

RAIFMAN, DR. IRVING, b. Brooklyn, N.Y., Oct. 21, 24; m. 48; c. 3. CLINICAL PSYCHOLOGY. B.S., Union Col., 47; M.A., Columbia, 49; Ph.D. (psychol), N.Y. Univ., 52. Clin. psychologist, Vet. Admin. Hosp., New York, 47-51; D.C., 52-53; hosp. Navy Med. Center, Bethesda, Md., 53-63; DIR, CONSULT. & GUID. CENTER, SILVER SPRING, 60- Private practice, 53- Consult, Montgomery County Alcoholic Clin., 56-64; group therapist, Community Psychiat. Clin., Md., 61- Dipl. Am. Bd. Exam. Prfnl. Psychol; exam, Bd. Exam. Psychol, State Md., 67-70. U.S.N., 43-46, Ens. Psychol. Asn; fel. Soc. Proj. Tech. Psychosomatics; ego psychology; psychotherapy. Publ: Personality factors of dependency and goal striving behavior associated with the development of peptic ulcer in a group of veteran male patients; Levels of aspiration in a group of peptic ulcer patients, J. Consult. Psychol; Rorschach findings in a group of peptic ulcer patients and two control groups, J. Proj. Tech. Address: 3102 Woodhollow Dr, Chevy Chase, Md. 20015.

RAIKE, DR. WILLIAM M(ICHAE), b. Chicago, Ill., Apr. 25, 43. OPERATIONS RESEARCH. COMPUTER SCIENCE. B.A. Northwestern, 64, M.S., 65, Ph.D. (appl. math), 67. ASST. PROF. STATIST. & COMPUT. SCI., TEXAS, AUSTIN, 67- Inst. Mgt. Sci.; Soc. Indust. & Appl. Math; Economet. Soc. Management science; mathematical programming, especially probabilistic linear and nonlinear programming; mathematical modeling and operations research in planning and decision-making. Publ: Co-auth. Solution theorems in probabilistic programming: a linear programming approach, J. Math. Anal. & Appl., 12/67, Zero-zero chance-constrained games, Teorija verovatnosti i ee primenjenija, (in press) & Chance-constrained models for transport pricing and scheduling under competition, Transportation Sci. (in press). Address: Business-Economics Bldg., 600, University of Texas, Austin, Tex. 78712.

RAILING, PROF. WILLIAM F(RANKLIN), b. Baltimore, Md., Apr. 21, 25. ECONOMICS. B.S., U.S. Merchant Marine Acad., 50; B.A., Hopkins, 50; univ. fel., Cornell, 50-54, Earhart Found. fel., 54-55. Asst. prof. ECON., S.Dak. State Col., 55-64; PROF. & CHMN. DEPT., GETTYSBURG COL., 64- U.S. Merchant Marine, 42-45. Econ. Asn. Public finance and taxation; monetary economics and fiscal policy; state and local government finance. Address: Dept. of Economics, Gettysburg College, Gettysburg, Pa. 17325.

RAIMON, DR. ROBERT, b. Brooklyn, N.Y., Sept. 29, 23; m. c. 4. ECONOMICS. B.S., Columbia, 47; M.S., Cornell, 49, Ph.D. (econ. soc. security, collective bargaining), 51. Instr. LABOR ECON., STATE UNIV. N.Y. SCH. INDUSTR. & LABOR RELS., CORNELL, 49, asst. prof., 51-54, ASSOC. PROF., 54- Mem. div. labor econ, Int. Labor Office, 64-65; indust. consult. & arbitrator. U.S.A., 43-46. Econ. Asn; Indust. Rels. Res. Asn. Labor market analysis, wage relationships and mobility patterns. Publ: Indeterminateness of wages of semiskilled workers, Indust. & Labor Rels. Rev; Interstate migration and wage theory, Rev. Econ. & Statist; Changes in productivity and the skillmix, Int. Labor Rev., 10/65. Address: School of Industrial & Labor Relations at Cornell University, Ithaca, N.Y. 14850.

RAIMY, PROF. VICTOR b. Buffalo, N.Y., Mar. 17, 13; m. 37; c. 1. PSYCHOLOGY. B.A., Antioch Col., 35; Ph.D. (psychol), Ohio State, 43. Asst. to dir, State Bur. Juvenile Res., Ohio, 36-37; clin. psychologist, Juvenile Court, Toledo, 37-38; instr., Antioch Col., 41; asst. prof. PSYCHOL., Pittsburgh, 46; assoc. prof., Ohio State, 46-48; from assoc. prof. to PROF., COLORADO, 48-, chmn. dept., 54-62. Consult, Vet. Admin., 46-; U.S. Dept. Army, 50-; Nat. Inst. Ment. Health, 52-; U.S. Off. Voc. Rehab., 60- Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.N., 43-46, Lt. Fel. Psychol. Asn. Personality; psychotherapy. Publ: Studying the individual school child; ed, Training in clinical psychology. Address: Dept. of Psychology, University of Colorado, Boulder, Colo. 80302.

RAINE, PHILIP, b. Baltimore, Md., July 24, 08; m. 36; c. 3. POLITICAL SCIENCE. B.S., Georgetown, 30; summer, Madrid, 50; M.A., American Univ., 56. For. serv. clerk, U.S. Dept. State, 31-42, regional specialist Latin Am, Off. Coordinator Inter-Am. Affairs, 42-44, asst. chief Latin Am, Off. Info. & Cultural Affairs, 47-48, cultural attaché, Am. Embassy, Mex., 48-51, pub. affairs adv. Bur. Inter-Am. Affairs, 52-55, consul & polit. officer, Am. Consulate Gen., São Paulo, Brazil, 55-58, 1st secy, polit. officer/couns. polit. affairs, Am. Embassy, Rio de Janeiro, 58-62, dep. chief mission minister-couns., 65-67, dep. chief mission, Am. Embassy, San Jose, Costa Rica, 62-65; RES. & WRITING, 67- Vis. lectr., Temple, 68- Mem, Spec. State-De-

fense Study Group, 67; consult, bur. intel. & res., U.S. Dept. State, 68- U.S.A., 44-47, T/Sgt. Polit. Sci. Asn; Brazilian Geog. & Statist. Inst. Latin American politics; United States-Latin American relations. Publ: Paraguay, Scarecrow, 58; The Atlantic report on Brazil, Atlantic, 9/59. Address: 3349 Tenney St. N.W., Washington, D.C. 20015.

RAINE, DR. WALTER J(EROME), b. Washington, D.C., Feb. 8, 23; m. 50; c. 3. CLINICAL & EDUCATIONAL PSYCHOLOGY. Carson, Pirie & Scott fel., M.A. & Ph.D. (ed. psychol), Chicago, 54. Group worker, Jewish Community Center, Ill., 54-55; res. assoc. personality tests, Ed. Testing Serv., N.J., 55-56; res. psychologist, Coping Proj., Menninger Found., Kansas, 56-59, consult, 61; U.S. Pub. Health Serv. trainee clin. psychol., Mt. Zion Hosp., San Francisco, Calif., 59-61; proj. dir. hypertension res., Kaiser Found. Res. Inst., 61-62; STAFF PSYCHOLOGIST, NEUROPSYCHIAT. INST., CALIFORNIA, LOS ANGELES, 62-, co-dir. riot study, inst. govt. & pub. affairs, 65-67. Dipl. clin. psychol., Am. Bd. Exam. Prfnl. Psychol., 65. AAAS; Psychol. Asn; Acad. Polit. & Soc. Sci. Civil disorders; basic encounter groups; family therapy; community psychology; urban design. Publ: Co-auth, Method for the measurement of the self-concept of children in the third grade, J. Genetic Psychol; Measuring intra-individual variability within one testing, J. Abnorm. & Soc. Psychol; Divergent reactions to the threat of war, Science, 1/63. Address: Neuropsychiatric Institute, University of California, 760 Westwood Plaza, Los Angeles, Calif. 90024.

RAINER, DR. JOHN D(AVID), Psychiat, see 11th ed, Phys. & Biol. Vols.

RAINES, DR. I(RVING) I(SAAK), b. New York, N.Y., Aug. 12, 15; m. 41; c. 2. MASS COMMUNICATIONS. A.B., Illinois, 41, M.A., 48, Found. for Econ. Ed. fel., 49, Ph.D. (mass communications), 50. Pub. Report From the Publisher & Resale, 49-51; prof., Maryland, 51-53; dir. div. postal rates, U.S. Post Office Dept., 53-58; consult, I.I. Raines & Co., D.C., 58-62; DIR. MGT. DEVELOP., MARTIN-MARIETTA CO., 62- Consult, exec. develop. prog., Pa. R.R., 52. U.S.A.A.F., 43-46. Mkt. Asn; Indust. Rels. Res. Asn; Soc. Eng. Ed; Nat. Security Indust. Asn. Management development; professional development; communications; industrial relations; general management. Publ: Co-auth, Engineering obsolescence, 1/65 & auth, Management effectiveness in manager development, 10/66, J. Am. Soc. Training & Develop; co-auth, Some insights on professional development, J. Soc. Automotive Engrs, 2-3-4/67. Address: Martin-Marietta Co, Friendship Airport, Md. 21240.

RAINEY, PROF. FROELICH G(LADSTONE), b. Black River Falls, Wis., June 18, 07; m. 35; c. 2. ANTHROPOLOGY. Ph.B., Chicago, 29; Ph.D., Yale, 35. Asst. anthropol., Peabody Mus., Yale, 31-35; prof., Alaska, 36-42; mem. staff, Bd. Econ. Warfare, 42-44; for. serv. officer, U.S. Dept. State, 44-45, transport & commun., 45-47; PROF. ANTHROP., PENNSYLVANIA & DIR. UNIV. MUS., 47-, DIR. APPL. SCI. CENTER ARCHAEOLOGY, 60- Consult, U.S. Dept. State, 48-52. Dir. Quinine Mission Ecuador, 43-44; mem., Phila. Bicentennial Corp. Soc. Appl. Anthropol. (treas., 47-49); Soc. Am. Archaeol; Anthropol. Asn; Asn. Mus. (pres., 61-63). Arctic archaeology and ethnology; scientific techniques. Publ: The whale hunters of Tigara, 47 & Ipiutak and the arctic whale hunting culture, 48, Anthropol. Papers Am. Mus. Natural Hist; New techniques in archaeology, Proc. Am. Phila. Soc., Vol. 110, No. 2. Address: University Museum, 33rd & Spruce Sts, Philadelphia, Pa. 19104.

RAINEY, DR. GENE EDWARD, b. Angleton, Tex., Nov. 28, 34; m. 58; c. 1. POLITICAL SCIENCE. B.A., George Washington, 57; B.S., Harding Col., 58; M.A., Fletcher Sch. Law, 60; Ph.D. (int. rels.), American Univ., 66. Asst. prof. polit. sci., Harding Col., 60-62; int. rels., American Univ., 65-66, assoc. dean grad sch., 63-66; ASST. PROF. POLIT. SCI., OHIO STATE, 66- Polit. Sci. Asn. American foreign policy; international relations. Publ: Contemporary American foreign policy, C.E. Merrill, 68. Address: 3343 Sciortangy Dr, Columbus, Ohio 43221.

RAINS, DR. JACK, b. Ponca City, Okla., June 4, 32. PSYCHOLOGY. B.A., Tex. West. Col., 53; Ph.D., Arizona, 61. Asst. psychol., Arizona, 59-61; instr., Lake Forest Col., 61-66; Nat. Sci. Found. sci. faculty fel., Harvard, 66-67; ASSOC. PROF. SOC. SCI. & CHMN. DIV., NEW COL., 67- Psychol. Asn. General experimental psychology. Publ: Co-auth, Controversial issues in psychology, Appleton, 65; auth, Signal luminance and position effects, Vision Res., 63. Address: Social Sciences Division, New College, Sarasota, Fla. 33578.

RAINWATER, PROF. LEE, b. Oxford, Miss., Jan. 7, 28; m. 59; c. 2. SOCIOLOGY, PSYCHOLOGY. M.A., Chicago, 51, Ph.D., 54. From dir. spec. studies to assoc. dir., Soc. Res. Inc., 50-63; assoc. prof. SOCIOLOGY, WASHINGTON (ST. LOUIS), 63-65, PROF., 65- Sr. ed, Trans-Action Mag., 63- Mem, Pop. Crisis Cmt., 66-; nat. adv. health coun., U.S. Pub. Health Serv., 67-71. U.S.A., 46-48. Psychol. Asn; fel. Sociol. Asn; fel. Anthropol. Asn; Nat. Coun. Family Rels; Soc. Study Social Probs; Soc. Psychol. Study Social Issues. Family behavior; poverty; race relations; social policy. Publ: Workingman's wife: her personality, world and life style, Oceana, 59; Family design, Aldine 65; co-auth, Moynihan report and the politics of controversy, M.I.T., 67. Address: 2 Ladue Hills, St. Louis, Mo. 63132.

RAISLER, DR. ROBERT L(OUIS), Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.

RALA, DR. ANTHONY P, b. Clifton, N.J., May 24, 28; m. 62; c. 2. MANAGEMENT, BEHAVIORAL SCIENCE. B.S., Columbia, 56; M.B.A., California, Los Angeles, 60, Ph.D. (mgt. behav. sci), 63. V. pres. electronics, Progressive Electronics Co., 56-58; asst. prof. MGT., Maryland, 63-65; ASSOC. PROF., MIAMI (FLA.), 65- Consult, Purex Corp., 62-64; Vitro Labs, Inc., 64-66; Stanford Res. Inst., 66-67; South. Bell Tel. Co., 66-; Palm Beach County Sch. Syst., 66- U.S.A.F., 51-53; Air Nat. Guard, 53-64, Capt. Acad. Mgt. Management development; organizational growth and development; systems analysis. Publ: Goal-setting and self control: an empirical study, J. Mgt. Studies, 2/65; Educational value of management games, J. Bus., 7/66; Management simulation: an exercise in decision-making, J. Sci. Bus., fall 66. Address: Dept. of Management, University of Miami, Coral Gables, Fla. 33146.

- RALEY, SISTER AGNES LUCILE, b. Leonardtown, Md, July 3, 07. PSYCHOLOGY. A.B. Boston Col, 36, M.A. 40; Ph.D.(psychol), Fordham, 42. From assoc. prof. to PROF. PSYCHOL. & CHMN. DEPT. CATHERINE SPALDING COL, 42-. DIR. GUID. CENTER, 55-. Dir. ed. guid. clin. Cath. Sch. Bd, Louisville, Ky, 53-55. Fel. Psychol. Assn. Aesthetics in child and adolescent psychology. Publ: A psychologist to an educator, Cath. Ed. Rev; Role of aesthetics in child development, Education; Some theoretical implications for the psychology of the ludicrous, J. Soc. Psychol. Address: Catherine Spalding College, 851 S. Fourth St, Louisville, Ky. 40203.
- RALEY, PROF. COLEMAN LAVAN, b. Rosebud, Tex, May 12, 17; m. 45; c. 1. PSYCHOLOGY. A.B. Oklahoma Baptist, 38; B.D. Texas Christian, 45; Ed.M. Texas, 51; Ed.D.(ed. psychol), Oklahoma, 59. Instr. high sch, Okla, 38-39; Tex, 39-41; counsr, high schs, Tex, 48-50, 51-52; from instr. to PROF. PSYCHOL. OKLAHOMA BAPTIST, 59-. Mem. ed. cmn. South. Baptist Convention, 60-66, v-pres, 64-66. U.S.N.R. 44-47, Lt. Psychol. Assn; Nat. Assn. Ment. Health. Personality characteristics of the gifted; behavior problems of children. Publ: Psychology and Christianity, companions or competitors, Baptist Student, 3/63; The needs and behavior of adolescents, Proc. Church & Juvenile Delinquency Conf, 65; co-auth. The effect of stimulus variation upon extinction, J. Ed. Psychol, 67. Address: Dept. of Psychology, Oklahoma Baptist University, Shawnee, Okla. 74801.
- RALLIS, JOHN J(AMES), b. Lowell, Mass, Sept. 11, 16. ECONOMICS. B.B.A. Boston, 41, M.B.A. 54. Economist, U.S. Bur. Labor Statist, 46-51, 53; indust. rels. analyst, Wage Stabilization Bd, 51-53; labor rels. specialist, U.S. Dept. Navy, 54-63; labor adv. U.S. Dept. Air Force, 63-65; contractor indust. rels. specialist, DEFENSE CONTRACT ADMIN. SERV. U.S. DEPT. DEFENSE, BOSTON, 65-68, CONTRACTOR RELS. SPECIALIST, 68-. U.S.A. 42-46. Econ. Assn; Indust. Rel. Res. Assn; Acad. Polit. & Soc. Sci. Labor relations. Publ: Behavior of selected average hourly earning in recent years. Address: 167 Woodland St, South Natick, Mass. 01260.
- RALPH, PROF. DAVID CLINTON, Speech, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- RALPH, DR. DONALD E(DWARD), b. Washington, D.C, Feb. 4, 39; m. 63; c. 2. PSYCHOLOGY. B.A. Notre Dame, 61; M.A. Catholic Univ, 63, Ph.D. (psychol), 65. Psychol. intern. VET. ADMIN. HOSP. Perry Point, Md, 64-65; CLIN. PSYCHOLOGIST, NORTHAMPTON, 65-. Res. assoc. Family Serv. Assn. Am, 66-67, consult, 68-; psychol. counsr, Univ. Massachusetts, 67-Psychol. Assn. Behavioral deficits among schizophrenic patients; methodological problems in research with schizophrenics; effects of mental hospital experience on college student volunteers; attitudes toward mental illness among mental hospital personnel. Publ: Attitudes toward mental illness among two groups of student volunteers in a NP hospital setting, J. Consult. Psychol, 68; co-auth. Experimental control, subject selection and problems of generalization in research with schizophrenic subjects, Psychol. Reports, 68; auth. Stimulus generalization among schizophrenic and normal subjects, J. Abnorm. Psychol. (in press). Address: Dept. of Psychology, Veterans Administration Hospital, Northampton, Mass. 01060.
- RALPH, DR. JAMES T(YREE), Agr. Econ. Statist, see 10th ed, Soc. & Behav. Vols.
- RALPH, LT. COL. JOHN EDWARD, U.S.A.F, Int. Rels, see 10th ed, Soc. & Behav. Vols.
- RALSTON, PROF. HAROLD J(AMERSON), b. Portersville, Pa, Nov. 28, 99; m. 28; c. 2. PSYCHOLOGY. A.B. Tarkio Col, 22, A.M. 23; Th.B. Pittsburgh Theol. Sem, 27; A.M. Princeton, 28; fel. & Ph.D. Iowa, 30; summers, Northwestern, 57, Nat. Sci. Found. fel, Michigan, 61, 62; Am. Sch. Classical Studies, Athens, 63. PROF. psychol. & philos, Erskine Col, 29-46; PSYCHOL. & CLASSICS, MONMOUTH COL, 46-. Test technician, S.C. Employ. Security Cmn, 45-46; teacher, exten. div, South Carolina, 45-46; Carl Sandburg Col, 67. Personality; social psychology. Publ: Emergent evolution and purpose. Address: 725 E. Archer Ave, Monmouth, Ill. 61462.
- RAMANATHAN, DR. RAMACHANDRA, b. Madras, India, May 31, 36; m. 60; c. 2. ECONOMICS, STATISTICS. M.A. Madras, 56; M.Stat. Indian Statist. Inst, 66; Ford Found. fel, Minnesota, 66-67, Ph.D.(econ), 67. Res. asst. econ. Nat. Coun. Appl. Econ. Res, India, 58-61; statistician, Nat. Aeronaut. Lab, India, 61-63; instr. ECON, Minnesota, 63-67; ASST. PROF. CALIFORNIA, SAN DIEGO, 67-. Economist. Soc; Statist. Assn. Econometrics; economic theory; economic growth and development. Publ: Co-auth. Effects of mismatching in the measurement of response errors, J. Am. Statist. Assn, 12/65; auth. Jorgenson's model of a dual economy—an extension, Econ. J, 6/67 & Estimating the permanent income of a household: an application to Indian data, Rev. Econ. & Statist, (in press). Address: Dept. of Economics, University of California at San Diego, P.O. Box 109, La Jolla, Calif. 92037.
- RAMAZANI, PROF. ROUHOLLAH K(AREGAR), b. Tehran, Iran, Mar. 21, 28; nat; m. 52; c. 3. INTERNATIONAL RELATIONS & LAW. B.A. Marvey Col, Iran, 47; LL.M. Tehran, 51; S.J.D. Virginia, 54. Lectr. Mid. East affairs, VIRGINIA, 57, asst. prof. int. rels. & law, 57-60, assoc. prof. int. rels. & transnational law, 60-64, PROF. GOVT. & FOR. AFFAIRS, 64-. Mem. Coun. Iranian Law, Pan-Am. Int. Oil Co, 59-. Polit. Sci. Assn; Soc. Int. Law; Mid. East Inst. Islamic law; Iranian foreign policy; soviet economic and military policies in developing countries; problems of developing nations. Publ: Shi'i system: its conflict and interaction with other systems, Proc. Soc. Int. Law; Soviet military assistance to the uncommitted countries, Midwest J. Polit. Sci; Choice-of-law problems and international oil contracts: a case study, Int. & Comp. Law Quart. Address: Dept. of Government & Foreign Affairs, University of Virginia, Charlottesville, Va. 22903.
- RAMBO, DR. WILLIAM W, b. Philadelphia, Pa, Oct. 29, 30; m. 54; c. 3. PSYCHOLOGY. A.B. Temple, 52, A.M. 54; Ph.D.(psychol), Purdue, 57. Asst. prof. PSYCHOL. OKLA. STATE, 56-59, assoc. prof, 60-66, PROF, 66-. Psychological measurement; experimental design; behavioral dimensions of social liberalism; conservatism; political behavior. Address: Dept. of Psychology, Oklahoma State University, Stillwater, Okla. 74075.
- RAMER, DR. JOHN (CARL), b. Hagerstown, Md, Apr. 17, 33; m. 63; c. 2. PSYCHOLOGY. A.B. Gettysburg Col, 57; M.S. Washington State, 58; Ph.D. (psychol), Washington (Seattle), 61. Psychologist, West. State Hosp, Wash, 61-63, training coordinator PSYCHOL, 63-64; asst. prof, GETTYSBURG COL, 64-67, ASSOC. PROF, 67-. Lectr, Puget Sound, 63; Pacific Lutheran, 63-64. Res. team mem. & consult, Nat. Inst. Ment. Health grants, 63-66. Sig.C, U.S.A. 53-55. Psychol. Assn. Clinical psychology, chiefly the assessment of personality, persons' self-concepts and group therapy; values, beliefs and attitudes. Publ: The Rorschach barrier score and social behavior, J. Consult. Psychol, 63; co-auth. Estimating WAIS I.Q. from Shipley scale score: another cross-validation, J. Clin. Psychol, 65. Address: 228 Highland Ave, Gettysburg, Pa. 17325.
- RAMOND, DR. CHARLES K, b. New Orleans, La, Oct. 9, 30; m. 59. PSYCHOLOGY. B.S. Tulane, 50; M.A. Iowa, 52, Ph.D.(exp. psychol), 53. Asst. psychol, Iowa, 50-53; res. assoc. HumRRO, 53-54; acting mil. chief training methods res, human res. unit, Ft. Benning, Ga, U.S. Army, 54-55, res. & liaison officer psychol. warfare, Hqs. Armed Forces Far East, Tokyo, 55-56; mgr. advert. res, E.I. du Pont de Nemours & Co, 56-59; tech. dir. res, Adv. Res. Found, 59-65; assoc. prof. BUS, COLUMBIA, 65-68, ADJ. PROF, 68-; PRES. MKT. CONTROL, INC, 66-. Ed, J. Adv. Res, Adv. Res. Found, 60-. U.S.A. 54-56, Res, 56-, 1st Lt. AAAS; Psychol. Assn; Mkt. Assn; Ops. Res. Soc; Assn. Pub. Opinion Res; World Assn. Pub. Opinion Res; Inst. Mgt. Scis. Behavior theory; experimental design and analysis; marketing research; philosophy of science. Publ: Measurement of advertising effectiveness, Stanford Res. Inst, 67; Performance in selective learning as a function of hunger, J. Exp. Psychol; Must advertising communicate to sell?, Harvard Bus. Res, 9-10/65. Address: 1170 Fifth Ave, New York, N.Y. 10029.
- RAMS, EDWIN M(ARION), Land Econ, see 10th ed, Soc. & Behav. Vols.
- RAMSAY, DR. JAMES OWEN, b. Prince George, B.C. Sept. 5, 42; m. 66; c. 1. PSYCHOLOGY, MATHEMATICS. B.Ed. Alberta, 64; Ph.D.(psychol), Princeton, 66. Lectr. PSYCHOL, Univ. Col. London, 66-67; ASST. PROF. MCGILL, 67-. Psychomet. Soc. Mathematical psychology and the analysis of psychological data; numerical analysis. Publ: Economical method of analyzing perceived color differences, J. Optical Soc. Am, 68; Some statistical considerations in multidimensional scaling, Psychometrika, (in press). Address: 65 Lemoyne East, Longueuil, Que. Can.
- RAMSEY, PROF. CHARLES E(UGENE), b. Morgan Co, Ind, Apr. 24, 23; m. 43; c. 4. SOCIOLOGY. Ph.D.(sociol), Wisconsin, 52. Asst. prof. sociol, Minnesota, 52-54; assoc. prof. rural sociol, Cornell, 54-62; prof. & chmn. dept. SOCIOL, Colorado State, 62-65; PROF, MINNESOTA, MINNEAPOLIS, 65-. Res. consult, Inter-Am. Inst. Agr. Sci, Costa Rica, 61; P.R. Agr. Exp. Sta, 61-62. U.S.A.A.F, 43-46. AAAS; Sociol. Assn; Rural Sociol. Soc.(managing ed, Rural Sociol, 59). Population; social stratification; culture trends. Publ: Co-auth. The American adolescent, Dorsey, 64; auth. Problems of youth, Dickinson, 67; co-auth. Understanding the disadvantaged child, Sci. Res. Assocs, 68. Address: Dept. of Sociology, University of Minnesota, Minneapolis, Minn. 55455.
- RAMSEY, PROF. CHARLES M(KINLEY), Econ, see 10th ed, Soc. & Behav. Vols.
- RAMSEY, DR. DAVID DEAN, b. New Castle, Pa, Apr. 3, 38; m. 60; c. 3. ECONOMICS. B.B.A. Cincinnati, 61, M.B.A. 62; fel, Minnesota, 65-66, Ph.D. (econ), 67. Teaching asst, Minnesota, 62-65; ASST. PROF. ECON, MISSOURI, COLUMBIA, 66-. Econ. Assn; Economist Soc; Nat. Tax Assn. Public finance. Publ: Co-auth. A study guide to university economics, Wadsworth, 67. Address: Dept. of Economics, University of Missouri, Columbia, Mo. 65201.
- RAMSEY, DR. DIANE M, b. Duluth, Minn, Nov. 6, 28; div. PSYCHOLOGY. B.A. Minnesota, 50, M.A. 54, Off. Naval Res. fel, 55-58, Ph.D. 58. Asst. psychol, Minnesota, 52-54; admin. asst. Am. Psychol. Assn, 54-55; res. psychologist, U.S. Govt. D.C, 58-62; sr. scientist, astropower lab, Douglas Aircraft Co, 63-67; RES. PSYCHOLOGIST, REISS-DAVIS CHILD STUDY CENTER, 67-. consult, div. res, 66-67. Instr. eve. exten, Virginia, 61-62. Consult, div. state merit systs, off. field admin, Dept. Health, Ed. & Welfare, 64; spec. res. resources br, div. res. facilities & resources, Nat. Insts. Health, 65-. health sci. comput. facility, center health sci, California, Los Angeles, 66-67. AAAS; Psychol. Assn; Assn. Comput. Mach. Experimental design; information storage and retrieval; research methodology; psychological measurement and evaluation; test theory; multivariate analysis; system analysis and programming for electronic computers; artificial intelligence; neural modeling; pattern recognition. Publ: Ed. Molecular coding problems, N.Y. Acad. Sci, 67 & Image processing in biological science, Univ. California, 68; co-auth. Perceptrons as models of neural processes, In: Computers in biomedical research, Vol. I, Academic, 65. Address: Reiss-Davis Child Study Center, 9760 W. Pico Blvd, Los Angeles, Calif. 90035.
- RAMSEY, DR. FRED LAWRENCE, b. Ames, Iowa, Mar. 3, 39; m. 66. STATISTICS. B.A. Oregon, 61; Gen. Elec. fel, Iowa State, 62-63, M.S. 63, Nat. Insts. Health fel, 63-64, Ph.D.(statist), 64. Asst. Prof. STATIST, Iowa State, 64; Nat. Insts. Health fel, Hopkins, 64-66; ASST. PROF. OREGON STATE, 66-. Nat. Sci. Found. res. grant, 67-. Inst. Math. Statist; Statist. Assn. Time series analysis. Address: Dept. of Statistics, Oregon State University, Corvallis, Ore. 97331.
- RAMSEY, FREDLYN, b. Knob Noster, Mo, Jan. 31, 09. ECONOMICS, STATISTICS. A.B. & M.A. Missouri, 30; fel, Chicago, 35-36. Asst. econ, Vassar Col, 30-31, instr, 31-34; Goucher Col, 36-37; assoc. specialist sch. finance, President's Adv. Cmt. on Ed, 37-39; asst. prof. econ, Conn. Col, 41-43; econ. statistician, U.S. Dept. State, 43-45; analyst, econ. bur, Civil Aeronaut. Bd, 45-46, economist, off. of consults, 46-50, air transport economist, bur. econ. ops, 50-51; chief economist, dist. off. Off. Price Stabilization, Kans, 51-52, chief economist, region IX, 52-53; air transportation economist, bur. air ops, Civil Aeronaut. Bd, 53-59, off. carrier accts. & statist, 59-61, chief res. sect. res. & statist. div, 61-65; RETIRED. Econ. Assn. Air transport financing; economics of air transportation. Address: 3051 Idaho Ave. N.W, Washington, D.C. 20016.

- RAMSEY, DR. GLENN VIRGIL, b. Williamsport, Ind, Jan. 11, 10; m. 47; c. 2. CLINICAL PSYCHOLOGY. A.B. Ind. Cent. Col. 32; M.A. Illinois, 37; D.Ed. Indiana, 40, Columbia, 46. Res. psychologist, Kinsey Res. Proj, Indiana, 41-42; assoc. prof. clin. psychol, Princeton, 46-48; prof. Texas, 48-50; CONSULT. PSYCHOLOGIST, 50- Consult, U.S. Air Force Chaplaincy Training Prog, 46-67; Hogg Found. Ment. Health, Texas, 46-; Vet. Admin, 47-50; State Hosps. & Spec. Schs, Tex, 60-61; Tex. Cmn. Alcoholism, 66- Dipl. Am. Bd. Exam. Prlnl. Psychol, 50. U.S.A.A.F. 42-46, 1st Lt. AAAS; fel. Psychol. Asn; Orthopsychiat. Asn; Soc. Sci. Study Sex. Human sexual behavior and biology; mental health; socio-therapeutic processes; cross cultural studies and opinion surveys. Publ: Contrib. Sex behavior in human male; co-auth. Perception: an approach to personality; Sexual development of boys, Am. J. Psychol. Address: 3301 Greenlee Dr, Austin, Tex. 78703.
- RAMSEY, PROF. JOHN F(RASER), European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- RAMSEY, DR. JULIA H, b. Dillonvale, Ohio, Dec. 22, 09. INTERNATIONAL RELATIONS. B.A. Cincinnati, 29, M.A. 45; Ph.D.(int. rels), Georgetown, 49. Consult, lang. dept, UN, 45-50, instr. int. rels, UN Club, 49-51; lectr. & researcher int. rels. 51-63; RESEARCHER & WRITER POLIT. SCI. & U.S. SPACE PROG, U.S. INFO. AGENCY, 63- Consult. ed. Polit. Sci. Asn; Am. Soc. Int. Law. Historical research; British Commonwealth; Eastern Europe; Middle East. Publ: Conduct of foreign policy in the British Commonwealth; Decade of international relations. Address: 1759 Church St. N.W., Washington, D.C. 20036.
- RAMSEY, PROF. MAURICE M(cKENDRA), b. Louisville, Ky, Jan. 26, 03; m. 32, 53; c. 1. POLITICAL SCIENCE. A.B. Wayne, 28, M.A. 33; Ph.D. (polit. sci), Michigan, 43. Mem. faculty polit. sci, WAYNE STATE, 40-46, asst. dean grad. sch, 46-57, PROF. POLIT. SCI, 57-, chmn. dept, 58-59. Polit. Sci. Asn; Soc. Pub. Admin. Local government. Address: 16686 Whitcomb, Detroit, Mich. 48235.
- RAMSEY, RALPH J(OHN), b. Carter, Ky, Aug. 7, 10. RURAL SOCIOLOGY. B.S.A. Florida, 32; West Virginia; M.A. La. State, 40; Chicago. Teacher, Greenbrier County schs, W.Va, 32-38; asst. rural sociologist, La. Exp. Sta, 39-42; rural sociologist, Southwest. Regional Land Tenure Proj, 42-46; FIELD AGENT RURAL SOCIOLOGIST, KENTUCKY, 46- Exten. consult, Univ. Tennessee & Agency Int. Develop, Bangalore, India, 67-69. Sociol. Asn. Rural Sociol. Soc. Land tenure; rural development; group dynamics. Publ: Forms and scope of poverty in Kentucky & How does your population grow?; Coop. Exten. Serv; Kentucky social trends in the 1960's, Res. Develop. Series. Address: U.S. Agency International Development, APO New York 09687.
- RAMSEYER, DR. GARY C, b. Muscatine, Iowa, Oct. 18, 34; m. 61; c. 1. STATISTICS. B.A. Iowa, 59, M.S. 61, Ph.D.(statist), 65. ASSOC. PROF. PSYCHOL. & ED, ILLINOIS STATE, 65- Statist. Asn; Psychomet. Soc; Ed. Res. Asn. Statistical methodology. Publ: Co-auth, The effect of age on three scales of the California psychological inventory, J. Gen. Psychol, 4/68; auth, Let's de-formularize elementary statistics, Phi Delta Kappa, (in press). Address: Dept. of Psychology, Illinois State University, Normal, Ill. 61761.
- RAMSHAW, DR. WARREN CLEMENT, b. Chicago, Ill, Apr. 6, 26; m. 53. SOCIOLOGY B.S. Illinois, 49, M.A. 58, Ph.D.(sociol), 66. Asst. to dir, Illini Union, Univ. Illinois, 54-58, teaching asst. sociol, 59-61; instr, SOCIOL. & ANTHROP, COLGATE, 61-63, asst. prof, 63-67, ASSOC. PROF, 67- Summers, seminar dir, Sch. Int. Training, Brattleboro, Vt, 65, U.S. Ed. Found. participant, Inst. Indian Civilization, India, 66. U.S.N, 44-46. Sociol. Asn. Sociology of religion and education. Address: 29 E. Pleasant St, Hamilton, N.Y. 13346.
- RAMUNAS, PROF. A(NTANAS) PAPLAUSKAS, b. Komenka, Lithuania, Dec. 31, 10; nat. Can; m. 36; c. 4. EDUCATIONAL PSYCHOLOGY. B.A. Marian Col, Lithuania, 30; M.A. Univ. Kaunas, 38; Ph.D. Vienna, 44; Tübingen & Heidelberg, 45-49. Lectr. comp. ling. & ed, Montreal, 49-50; assoc. prof. ed, OTTAWA, 50-56, PROF. ED. & PSYCHOL, 56-, DIR. COMP. ED. CENTRE, 54- V.DEAN FACULTY ED, 67- Can. Soc. Sci. Res. Coun. & Can. Coun. fcls, Univs. London & Oxford, 57-58; Govt. France fel, Univ. Paris, 58; lectr, univs. in Europe, India & U.S. Consult, Int. Rev. Ed, UNESCO, 55- Mem. New Ed. Fel, London, 51-; Ed. Res. Center, Paris, 51-; admin. coun, sch. psychol. & ed, Ottawa, 55- AAAS; Acad. Polit. & Soc. Sci; Comp. Ed. Soc. Psychological, social, and comparative foundations of education; comparative study of education, psychology, social and political science in Europe, Soviet Russia and the United States; hemispheric and world understanding through education. Publ: Modern philosophies of education; Education of the whole man through physical education; psychological and social interpretation; Canadian education, 1867-2067. Address: Faculty of Psychology & Education, University of Ottawa, Ottawa, Ont, Can.
- RAND, DR. GEORGE, b. New York, N.Y, Aug. 23, 37. DEVELOPMENTAL PSYCHOLOGY. B.S. City Col. New York, 59; M.A. Clark, 61, Ph.D.(psychol), 65. ASSOC. PROF. PSYCHOL, TEACHERS COL, COLUMBIA, 65- Psychol. intern. Postgrad. Center Ment. Health, 66, 67-68. AAAS; Psychol. Asn; Soc. Res. Child Develop. Perception and representation of form; recognition of structure of the urban environment; environmental design; language development. Publ: Co-auth, Postural status as a factor in memory, J. Verbal Learning & Verbal Behav, 4/67; auth, Age changes in verbal satiation, Psychonomic Sci, 9/67; co-auth, Ontogenetic changes in the immediate recall of serially presented stimuli, Human Develop, (in press). Address: Dept. of Psychology, Columbia University Teachers College, New York, N.Y. 10027.
- RAND, PROF. LAURENCE V, Govt, see 10th ed, Soc. & Behav. Vols, deceased 64.
- RANDALL, PROF. CLYDE N, b. North Ogden, Utah, Apr. 4, 06; m. 38; c. 4. ACCOUNTING. B.A. Utah, 32, J.D. 53; M.B.A. Stanford, 44, Ph.D.(acct), 46. Asst. secy. bd. regents & asst. comptroller, UTAH, 33-46, prof. acct. & head dept, 46-58, PROF. BUS. & DEAN COL. BUS, 58- Summers, Int. Coop. Admin. appointee, Univ. Tehran, 60, Ford Found. res. grant W.German tax syst, 63. Am. Acct. Asn; Nat. Asn. Acct. Federal tax accounting. Publ: Is your personnel operation worth its cost?, Personnel Adminstr, 64; co-auth, Small business counseling: an evaluation of techniques, Bur. Econ. & Bus. Res, Univ. Utah, 64; auth, A look at the public accounting profession after 100 years, Ill. Cert. Pub. Acct, winter 56-57. Address: College of Business, University of Utah, Salt Lake City, Utah 84112.
- RANDALL, PROF. DARRELL D(ONALD), b. Union, Nebr, Apr. 25, 16; m. 43; c. 3. INTERNATIONAL ECONOMICS. B.A. Nebr. Wesleyan, 39; M.A. Nebraska, 42; fel. & M.A. Columbia, 45; Walgreen fel. & Ph.D.(int. econ. develop. planning), Chicago, 56. Unit asst. dir, Am. Friends Serv. Cmt. 42-46; spec. rep, Methodist Bd. Missions, 46-50; assoc. planner, Praeger-Cutting-DeLeuw, 55; prin. planner, Cleveland Regional Planning Cmn, Ohio, 56-57; assoc. exec. dir, dept. int. affairs, Nat. Coun. Churches, 58-61; PROF. SCH. INT. SERV, AMERICAN UNIV, 62- Consult, Brit. Colonial Off. for Africa Conf, Cambridge, 54; Africa coordinator, Bus. Coun. Int. Understanding, 64-; Africa Prog. dir, Asn. Coils. & Univs. Int. Intercultural Studies, 65- Econ. Asn; African Studies Asn; Soc. Int. Develop. Publ: Factors of economic development and the Okavango Delta in Africa, Univ. Chicago, 57; Regional planning in underdeveloped areas; U.S. aid in Africa, Current Hist, 7/66. Address: 3211 45th St, N.W., Washington, D.C. 20016.
- RANDALL, DR. DAVID L(EON), b. Pittsfield, Mass, Nov. 22, 39; m. 62. CHILD & CLINICAL PSYCHOLOGY. A.B. Rochester, 62; Bristol, 60-61; U.S. Pub. Health Serv. fel, Indiana, 64-65; M.A. Colorado, 66, Ph.D.(psychol) 67. ASST. PROF. PSYCHOL, YORK (ONT), 67- Consult. & chief psychologist, Ont. Hosp. Thistletown, 68-; mem. bd. prnl. adv, Integra Found, 68- Soc. Res. Child Develop. Child Development; Piagetian theory; group therapy; evaluation of behavior disorders in children. Address: Dept. of Psychology, York University, Toronto 12, Ont, Can.
- RANDALL, PROF. DUNCAN P(ETER), b. Chicago, Ill, Oct. 28, 31; m. 54; c. 2. GEOGRAPHY. A.B. Georgia, 52; M.A. Northwestern, 56; Ph.D.(geog), North Carolina, 65. Asst. geog, Northwestern, 54-56; instr. SOC. SCI, WILMINGTON COL. (N.C.), 56-57, asst. prof, 57-58, assoc. prof, 58-60, PROF. & CHMN. DEPT, 60- Asst, North Carolina, 59-60. U.S.A.F. 52-54, Res, 54-, Maj. Physiography; climatology; urban and economic geography; cartography. Address: Dept. of Social Sciences, Wilmington College, Wilmington, N.C. 28401.
- RANDALL, DR. HAROLD M(ILTON), b. Jefferson Co, Iowa, Jan. 5, 00; m. 29; c. 3. INTERNATIONAL RELATIONS. POLITICAL SCIENCE. A.B. Parsons Col. 24, hon. Dr.Int.Law, 58; Colo. State Teachers Col. 26-27; Ph.D.(polit. sci), Georgetown, 29. Asst. commercial attache' for. serv, U.S. Dept. State, Santiago, 30-37, asst. commercial attache' & second & first secy. U.S. Embassy, Buenos Aires, 38-44, commercial attache' Asunción, Paraguay, 44-45, commercial attache' & first secy. U.S. Embassy, Madrid, 45-49, mem. staff, Div. Commercial Policy & Div. West Coast Affairs, Wash, D.C, 49, counsr. econ. affairs, U.S. Embassy, Mexico City, 50-52, Havana, 52-55, ambassador, Inter-Am. Econ. & Soc. Coun, Orgn. Am. States, 55-59; PROF. LATIN AM. STUDIES, SCH. INT. SERV. & DIR. BUS. COUN. INT. UNDERSTANDING-UNIV. PROG. INT. BUS. EXEC, AMERICAN UNIV, 59- Lectr, Army War Col, Pa, 64 & 65; Command & Gen. Staff Sch, U.S. Army, Ft. Leavenworth, Kans, 65-67. U.S.N, 17-19. Latin American social and economic development; structures and functions of the Alliance for Progress, the Inter-American System, the Organization of American States and the Inter-American Development Bank. Address: 3900 Watson Place N.W., Washington, D.C. 20016.
- RANDALL, PROF. JOHN R(EDD), b. Ann Arbor, Mich, Dec. 18, 06; m. 45; c. 2. GEOGRAPHY. A.B. Michigan, 28, M.A. 29; Ph.D.(geog), Wisconsin, 34. Instr. geog, Illinois, 34-36; Pa. State, 36-40; Ohio State, 40-41; Wisconsin, 41-42; assoc. prof. GEOG, OHIO STATE, 46-59, PROF, 59- U.S.A., 42-45, Res, 45-60, Lt. Col. Asn. Am. Geog. Geography of the Middle East; political geography. Publ: Co-auth, Pattern of Asia; auth, Agriculture in the great clay belt of Canada, Scottish Geog. Mag; co-auth, Peoples of the Sudan, Mid. East J. Address: Dept. of Geography, Ohio State University, 1775 S. College Rd, Columbus, Ohio 43210.
- RANDALL, DR. LAURA R, b. New York, N.Y, Nov. 18, 35; m. 57. ECONOMICS. B.A. Barnard Col, 57; M.A. Massachusetts, 59; Francis Dibble scholar, Columbia, 59-60, Ford Found. fel, 60-61, Ph.D.(econ), 62. Economist Latin Am. Fed. Reserve Bank of New York, 61-63; ASST. PROF. ECON, Queen's Col.(N.Y.), 63-67; HUNTER COL, 67- Lectr, City Univ. New York, 68-; vis. scholar, inst. Latin Am. studies, Columbia, 67-68. Joint Cmt. Latin Am. Studies-Soc. Sci. Res. Coun. res. grant, 67- Econ. Asn; Latin Am. Studies Asn. Economic history and economic development of Latin America; policy studies, macroeconomic analysis; econometric model of determinants of economists' salaries. Publ: Economic development: evolution or revolution, Heath, 64; Class, race and economic policy, J. Develop. Studies, 7/66; Inflation and economic development in Latin America, 1950-1960, Soc. & Econ. Studies, winter 67. Address: Dept. of Economics, Hunter Col, 695 Park Ave, New York, N.Y. 10021.
- RANDALL, DR. RICHARD R, b. Toledo, Ohio, July 21, 25. GEOGRAPHY, CARTOGRAPHY. A.B. George Washington, 49, M.A. 50; Fulbright scholar, Austria, 53-54; Ph.D. Clark, 55. Geogr. U.S. Govt, 55-61; MGR. WASH. OFF, RAND McNALLY & CO, 61- Lectr, George Washington, 59-62. U.S.A., 43-46. Am. Geog. Soc; Asn. Am. Geog. Cong. Surv. & Mapping; Soc. Mil. Eng. Political and historical geography of East European minorities. Publ: Political geography of the Klagenfurt plebsicite area, Geog. Rev. Address: Rand McNally & Co, Room 1104, National Press Bldg, Washington, D.C. 20004.
- RANDALL, DR. WALTER L, b. Detroit, Mich, Sept. 12, 29; m. 57. PSYCHOLOGY. B.A. Louisville, 57; Ph.D.(psychol), Chicago, 61. Res. assoc. PSYCHOL, Duke, 62-65; ASST. PROF, IOWA, 65- U.S.A., 50-53. Soc. Gen. Sys. Res; Soc. Biol. Rhythm. Biological bases of behavior in the cat; lesion-induced dissociations between consummatory and appetitive behav-

iors and the influence of rhythmic endocrine and metabolic variables on the dissociation of these behaviors. Publ: The behavior of cats (*Felis catus* L.) with lesions in the caudal midbrain region, *Behaviour*, 64; The relationship between cyclic changes in thyroid function and behavior of cats with brain stem lesions, *J. Psychiat. Res.*, 67. Address: Dept. of Psychology, University of Iowa, Iowa City, Iowa 52240.

RANDLE, ROBERT J (AMES), Psychol. Physiol. Optics, see Suppl. V to 11th ed, *Phys. & Biol. Vols.*

RANDOLPH, DR. LILLIAN L, b. Spokane, Wash, May 3, 32; m. 52; c. 2. POLITICAL SCIENCE. B.A. Washington (Seattle), 54, M.A. 56; Ph.D. (polit. sci.), California, Berkeley, 67. Res. planner, Seattle City Planning Cmn, 55-58; San Mateo County Planning Cmn, Calif, 59; ASST. PROF. POLIT. SCI., CALIF. STATE COL. HAYWARD, 65- Inst. Planners; Polit. Sci. Assn. International negotiation and diplomacy; peaceful settlement of disputes; international law and organizations; political-social integration. Publ: A suggested model of international negotiation, *J. Conflict Resolution*, 9/66. Address: Dept. of Political Science, California State College at Hayward, 25800 Hillary St, Hayward, Calif. 94542.

RANDOLPH, DR. PAUL H (ERBERT), Math. Statist, see 11th ed, *Phys. & Biol. Vols.*

RANDOLPH, DR. ROBERT L (EE), b. East St. Louis, Ill, Jan. 2, 26; m. 54; c. 1. ECONOMICS. A.B. DePaul, 48; M.S. Illinois, 54, Bailey fel, 57-58, Ph.D. (econ), 58. Asst. econ. inst. labor & indust. rels, Illinois, 48-49; wage & salary adminstr, Sherwin-Williams Paint Corp, 50-51; consult, Am. Friend's Serv. Cmt, 51-52; prog. asst, Univ. Illinois-YMCA, 57-58; instr. econ, Springfield Col, 58-59, asst. prof. econ. & dir. div. eve. & summer sch, 59-66; dir. recruitment, Job Corps, Off. Econ. Opportunity, Exec. Off. President, U.S. GOV'T, 66-67, dep. assoc. dir, 67; dep. exec. dir, EQUAL EMPLOY. OPPORTUNITY CMN, 67-68, DIR. COMPLIANCE, 68- Lectr, Holyoke Hosp. Nursing Sch, 58-; West. New Eng. Col, 59-61. U.S.N. 43-46, Res, 46-50, Lt. (jg). Econ. Asn. Job analysis and evaluation; economic effects of social security; administration in higher education. Publ: Job Corps screening manual & Job Corps recruitment manual, U.S. Gov't, 67; Administrative patterns in business corporations, colleges and universities. Address: Equal Employment Opportunity Commission, Suite 1133, 1800 G St. N.W., Washington, D.C. 20506.

RANDS, PROF. ROBERT L (AWRENCE), b. Washington, D.C., May 13, 22; m. 48; c. 1. ANTHROPOLOGY, ARCHAEOLOGY. B.A. New Mexico, 49; M.A. California, Los Angeles, 49; Ph.D. (anthrop), Columbia, 52. Asst. anthrop, California, Los Angeles, 48-49; asst. prof, Mississippi, 52-56, assoc. prof, 57-60, prof, 60-63; asst. dir. anthrop. res. labs, North Carolina, Chapel Hill, 63-66; PROF. ANTHROP. & CURATOR MESOAMERICAN ARCHAEOLOGY, SOUTHERN ILLINOIS, 66- Guggenheim fel, 56-57; collab. U.S. Dept. Interior, 58; res. assoc, Univ. Mus, Pennsylvania, 60. Fel. AAAS; fel. Anthrop. Asn; Soc. Am. Archaeol; Archaeol. Inst; Am. Indian Ethnol. Conf. Culture history, especially the archaeology and ethnohistory of Middle America; primitive art; ceramic technology. Publ: The water lily in Maya art: a complex of alleged Asiatic origin, *Bur. Am. Ethnol. Bull.*, 53; co-auth, The ceramic position of Palenque, Chiapas, Am. Antiquity, 57; Jades of the Maya lowlands, In: *Handbook of Middle American Indians*, Vol. III, Archaeology of southern Mesoamerica, 65. Address: University Museum, Southern Illinois University, Carbondale, Ill. 62901.

RANEY, PROF. EDWARD T (HOMAS), b. East St. Louis, Ill, Mar. 7, 06; m. 33; c. 2. PSYCHOLOGY. A.B. Maryville Col, 31; M.A. Brown, 33, Ph.D. (clin. psychol), 38. Psychologist, R.I. State, 36-38; instr. psychol, Michigan, 38-39; res. dir, Youth Surv. Proj, 39-40; supvr. occup. res. center, State Employment Serv, Mich, 40-42, chief, staff servs, 42-43, 45-47, acting state dir, 47; dir, Detroit area, War Manpower Cmn, 43-45; assoc. prof. MGT. WAYNE STATE, 47-50, PROF, 50-, CHMN. DEPT. SCH. BUS. ADMIN, 61- Fulbright res. grant, I.P.S.O.A., Turin, Italy, 59-60. Dipl. indust. psychol, Am. Bd. Exam. Prfl. Psychol. Fel. Psychol. Asn; Acad. Mgt; Inst. Mgt. Sci; Indust. Rels. Res. Asn. Executive behavior; supervisory training; industrial communication. Publ: Industrial conflict; How readable is your employee publication? Reversed lateral dominance in identical twins. Address: Dept. of Management, Wayne State University, Detroit, Mich. 48202.

RANGE, PROF. WILLARD, b. Pittsburgh, Pa, June 24, 10; m. c. 3. POLITICAL SCIENCE. B.S. Harvard, 33; Phelps-Stokes fel, Georgia, 38-39, A.M. 39; Ph.D. North Carolina, 58. Instr. soc. sci, Abraham Baldwin Agr. Col, 39-43; asst. prof. POLIT. SCI, GEORGIA, 46-58, assoc. prof, 58-63, PROF, 63- Fulbright lectr, India, 62-63. Polit. Sci. Asn; Int. Studies Asn. Development of Negro colleges in Georgia; international relations. Publ: Century of Georgia agriculture, 1850-1950; Franklin D. Roosevelt's world order; Jawaharlal Nehru's world view. Address: Dept. of Political Science, University of Georgia, Athens, Ga. 30601.

RANHAND, PROF. SAMUEL, b. Brooklyn, N.Y., June 25, 15; m. 40; c. 2. BUSINESS ECONOMICS & ADMINISTRATION. B.B.A. City Col. New York, 40; M.B.A. N.Y. Univ, 54, Ph.D. 58. Sr. acct, O. Ludmerer & Co, 32-35; supvr. liaison mkt. & acct, Anheuser-Busch, Inc, 35-41; mem. controller's staff, east. aircraft div, Gen. Motors Corp, 42-46; asst. prof. MGT, CITY COL. NEW YORK, 46-64, PROF, BARUCH SCH. BUS. 64-, CHMN. DEPT, 65- Summers, vis. prof, N.Y. Univ, 61-62. Mem. Nat. Panel Labor Arbitrators, Am. Arbitration Asn & Fed. Mediation & Conciliation Serv, 64- Indust. Rels. Res. Asn. Study of labor relations in health care field. Publ: History of office management: an inquiry into its nature and causes of growth. Address: 33-39 80th St, Jackson Heights, N.Y. 11372.

RANIS, PROF. GUSTAV, b. Darmstadt, Germany, Oct. 24, 29; nat; m. 58; c. 2, ECONOMICS. B.A. Brandeis, 52; M.A. Yale, 53, Sterling fel, 54-55, Soc. Sci. Res. Coun. fel, 55-56, Ph.D. 56. Res. economist, overseas development, Ford Found, N.Y., 57-58, asst. to rep, Karachi Off, Pakistan, 58-59; asst. prof. econ, YALE, 60-61, assoc. prof, ECON, 61-64, PROF, 64-, DIR, ECON. GROWTH CENTER, 67-, assoc. dir, 61-67. Joint dir. res. Inst. Develop. Econ, Pakistan, 59-61; asst. adminstr. prog, Agency Int. Develop,

65-67, mem. adv. cmt. econ. develop, to adminstr, 67- Consult. Off. Secy. Treas, 57; policy planning div, Agency Int. Develop, 62; Cmn. Econ. Develop, 61. Econ. Asn. Theory of growth as applicable to less developed areas and all aspects of developmental policy and planning. Publ: Co-auth, Development of the labor surplus economy: theory and policy, Irwin, 64; auth, Factor proportions in Japanese economic development & co-auth, Theory of economic development, Am. Econ. Rev. Address: Dept. of Economics, Yale University, Box 1987, Yale Station, New Haven, Conn. 06520.

RANIS, DR. PETER, b. Darmstadt, Germany, Aug. 13, 35; U.S. citizen; m. 64; c. 1. POLITICAL SCIENCE. B.A. Brandeis, 58; M.A. Washington, 60; Orgn. Am. States fel. & dipl, Nat. Univ. Mexico, 61; Fulbright fel, Argentina, 64-65; Ph.D. (polit), N.Y. Univ, 65. Res. asst. polit. develop, Brookings Inst, 62-64; ASST. PROF. POLIT. SCI, New Mexico, 65-66; STATE UNIV. N.Y. STONY BROOK, 66- Soc. Sci. summer res. fel, 66. Polit. Sci. Asn. Political development and political leadership in emerging nations; comparative governmental policy-making in Latin American nations; social background and political attitudes of Latin American political elites. Publ: Background to the 1965 Argentine elections, *The World Today*, 5/65; Peronism without Peron: ten years after the fall, *J. Inter-Am. Studies*, 1/66; A two-dimensional typology of Latin American political parties, *J. Polit.*, 8/68. Address: Dept. of Political Science, State University of New York, Stony Brook, N.Y. 11790.

RANKEN, DR. HOWARD B (ENEDICT), b. Glens Falls, N.Y., May 8, 24; m. 50; c. 4. PSYCHOLOGY. B.S. Yale, 44; Lic.-as-Lett, Paris, 48; Ph.D. (psychol), Columbia, 56. Lectr. PSYCHOL, Columbia, 50-53; instr, Pennsylvania, 53-59; asst. prof, Haverford Col, 59-61, acting chmn. dept, 60-61; Nat. Insts. Health spec. res. fel, Northwestern, 61-63; asst. prof. PSYCHOL, PURDUE, 63-66, ASSOC. PROF, 66- U.S.N.R., 44-46, Lt. (jg). Psychol. Asn; Psycho-nomic Soc. Thinking; language; learning. Address: Dept. of Psychology, Purdue University, Lafayette, Ind. 47907.

RANKIN, PRES. ALAN C (ARSON), b. Hoisington, Kans, Dec. 19, 14; m. 58; c. 1. GOVERNMENT. A.B. & B.S. Ft. Hays Kans. State Col, 37; A.M. Syracuse, 39, D.S.S., 55; Litt.D. Rose Polytech, 67. Personnel asst, Panama Canal, 40-42, chief res. & serv. bur, 42-44, chief classification & wage admin, 44-46; asst. prof. govt, Miami (Ohio), 46-54; asst. prof. & dir. student affairs, grad. sch. bus. & pub. admin, Cornell, 54-56; asst. to chancellor & asst. chancellor, Pittsburgh, 56-64, v.chancellor student & gen. affairs, 64-65; PRES. INDIANA STATE, 65- Consult, Nat. Personnel Authority, Japan, 48-50. Mem. bd. dir, Govt. Affairs Inst, 65- U.S.A. 44-46, Capt. Polit. Sci. Asn; Soc. Pub. Admin. American government; public and personnel administration. Publ: City manager government in Wichita, Kansas; Administration of federal contract and grant research; co-auth, Training for administration in Indonesia. Address: Indiana State University, Terre Haute, Ind. 47809.

RANKIN, DR. C (ARL) E (MMET), b. Guilford Co, N.C., Sept. 14, 92; m. 22; c. 2. PSYCHOLOGY. A.B. Davidson Col, 17; A.M. Columbia, 20, Norsworthy fel, 32-33, Ph.D. (ed), 35. Assoc. prof. ed. & psychol, Lingnan Univ, 26-30, dean col. arts & sci, 30-31; Westminster Col, 33-34; asst. supt, N.C. Sch. Deaf, 35-37, supt, 37-55; assoc. prof. psychol. & chmn. dept, Gallaudet Col, 55-65. U.S.A., 17-18, 1st Lt. Social Health Asn; Acad. Polit. Sci. Psychology of the handicapped. Publ: The University of North Carolina and the cotton mill employee; Education of the child handicapped by loss of hearing; The parent and the deaf child. Address: Box 416, Morganton, N.C. 28655.

RANKIN, PROF. EARL F (REDECKER), JR, b. Shreveport, La, Aug. 18, 24; m. 50. EDUCATIONAL PSYCHOLOGY. B.A. La. State, 50; M.A. Columbia, 50; Rackham fel, Michigan, 56-57, Hinsdale scholar, 57-58, Ph.D. (ed), 58. Instr. psychol, La. State, 50-51; remedial reading specialist, Woodmere High Sch, N.Y., 51-52; asst. prof. psychol, Olivet Col, 52-54; Cincinnati, 57-58; assoc. prof. ED, Univ. Kansas City, 58-60; PROF, TEXAS CHRISTIAN, 60-, DIR. READING LAB, 67- Dir, Nat. Reading Conf, 60- U.S.N. 42-45. Psychol. Asn. Measurement of reading skills; personality factors and reading; construction and evaluation of automated teaching programs; role of the public school teacher. Publ: The Cloze procedure; its validity and utility; Definition of reading comprehension; co-auth, Teaching machines and the reading program. Address: School of Education, Texas Christian University, Ft. Worth, Tex. 76129.

RANKIN, DR. RICHARD J (IMMY), b. Alameda, Calif, Nov. 23, 31; m. 54; c. 2. EDUCATIONAL PSYCHOLOGY. A.B. California, 53, M.A. 54, Ph.D. 57. Res. educator, Carnegie Center Study Higher Ed, Berkeley, Calif, 57-58; statistician, cancer res. inst, sch. med, California, 58; from instr. to asst. prof. psychol, Chico State Col, 58-61; Okla. State, 61-62, ASSOC. PROF, 62-66; ED, OREGON, 66- Field supvr, Psychol. Corp, 65-; consult, Ed. Proj, Inc, 67- Psychol. Asn. Determinants of anxiety; factors in the generalization of learning; response style variables in personality measurement; cultural problems in intelligence and achievement measurement. Publ: Intelligence-anxiety relationships as a function of intelligence test difficulty, *Psychol. Reports*, 65; A factor analytic approach to impulse as measured by arrow dot I, Q, and SORT, 66 & Delayed auditory feedback as a method of manipulating anxiety in a paired associate learning task, 67, *Perceptual & Motor Skills*. Address: School of Education, University of Oregon, Eugene, Ore. 97401.

RANKIN, PROF. ROBERT E (DWARD), b. Columbus, Ohio, Jan. 7, 27; m. 48. PSYCHOLOGY. B.A. Ohio State, 49, M.A. 51, Ph.D. (psychol), 54. Instr. PSYCHOL, West Virginia, 54-56, asst. prof, 56-61, assoc. prof, 61-65, PROF, 65-68; CENTRAL MICHIGAN, 68- U.S.A., 45-47. Psychol. Asn. Attitudes and social behavior. Address: Dept. of Psychology, Central Michigan University, Mt. Pleasant, Mich. 48858.

RANKIN, PROF. ROBERT S (TANLEY), b. Tusculum, Tenn, Nov. 17, 99; m. 33; c. 2. POLITICAL SCIENCE. A.B. Tusculum Col, 20, LL.D. 59; A.M., Princeton, 22, fel. & Ph.D. 24. Prof. POLIT. SCI, Tusculum Col, 24-27; asst. prof, DUKE, 27-29, assoc. prof, 29-33, PROF, 33-, CHMN. DEPT, 40-, asst. dean grad. sch, 29-35. Vis. prof, Stanford, 47; Columbia, 53. Mem. U.S. Cmn. Civil Rights, 60-; N.C. Local Govt. Study Cmn, 67- Polit. Sci.

Asn. American government; constitutional law; state government. Publ: Fundamentals American national government; The government and administration of North Carolina. Address: Dept. of Political Science, Duke University, Durham, N.C. 27706.

RANLETT, PROF. JOHN G(RANT), b. Sacramento, Calif, Oct. 29, 28; m. 56; c. 3. ECONOMICS. A.B. Sacramento State Col, 50; M.S. Oregon, 52, fel, 56, Ph.D. 57. Instr. ECON, Whitman Col, 56-57; SACRAMENTO STATE COL, 57-58, from asst. prof. to assoc. prof, 58-66, PROF, 66- Consult, State Dept. Water Resources, Calif; State Senate Cmt. Revision & Taxation. Econ. Asn; Economet. Soc; Regional Sci. Asn. Publ: Money and banking, Wiley, 65; An introduction to micro-economic theory, Harcourt, 65; The regional income multiplier, West. Econ. J, spring 63. Address: Dept. of Economics, Sacramento State College, Sacramento, Calif. 95819.

RANNEY, PROF. (JOSEPH) AUSTIN, b. Cortland, N.Y. Sept. 23, 20; m. 46; c. 4. POLITICAL SCIENCE. B.S. Northwestern, 41; M.A. Oregon, 43; Ph.D.(polit. sci.) Yale, 48. Statistician, Douglas Aircraft Corp, 42-43; instr. POLIT. SCI, Yale, 45-47; Illinois, 47-51, asst. prof, 51-53, assoc. prof, 53-59, prof, 59-63, assoc. dean grad. col, 58-61; PROF, WISCONSIN, 63- Soc. Sci. Res. Coun. sr. res. award, 61-62. Mem. Nat. Cmn. Polit. Activity Govt. Personnel, 66-67. Polit. Sci. Asn; Int. Polit. Sci. Asn. American politics, elections, voting behavior and political parties; British politics and candidate selection; comparative western political parties and elections; theories of democratic organization. Publ: Doctrine of responsible party government, Univ. Illinois, 54, 62; Governing of men, Holt, 58, 66; Pathways to parliament, Univ. Wisconsin, 65. Address: North Hall, University of Wisconsin, Madison, Wis. 53706.

RANNEY, DR. JANE ELLEN, Exp. Psychol, see 11th ed, Phys. & Biol. Vols.

RANNEY, DR. J(EO) BUCKMINSTER, b. Brattleboro, Vt, Dec. 26, 19; m. 43; c. 3. AUDIOLOGY, SPEECH PATHOLOGY. B.A. N.Y. Univ, 46, M.A., 47; Ph.D.(speech), Ohio State, 57; Puerto Rico, 67. Instr. Eng, Syracuse, 46-48; asst. prof. speech, Ohio Northern, 48-57; PROF. SPEECH & DIR. SPEECH & HEARING CENTER, AUBURN, 57- Fel. med. audiol, Johns Hopkins Hosp, 62-63; chief audiol. & speech path, Vet. Admin. Out-Patient Clin, San Juan, P.R., 66-67. Consult, Ala. Sch. Deaf, 63-; Vet. Admin. Hosp, 65- Ed, Speech & Hearing Asn. Ala. Letter, 64-66. U.S.A.A.F, 42-45, Capt. Speech & Hearing Asn. Incidence of speech and hearing disorders in university populations; residual hearing; language and speech of the pre-school and school age deaf child. Publ: Incidence of speech disorders, South. Speech J, 66. Address: Speech & Hearing Clinic, Auburn University, Auburn, Ala. 36830.

RANNEY, DR. W(ILLARD) P(ARMINTER), b. Metamora, Ill, Mar. 12, 97; m; c. 3. AGRICULTURAL ECONOMICS. B.A. Illinois, 17, M.S. 28; Ph.D. Minnesota, 39. Instr. Minnesota, 28-39; from assoc. prof. to prof. agr. econ. & assoc. agr. economist, agr. exp. sta, Tennessee, 39-67; vis. prof. & lectr. agr. indus., Southern Illinois, 68; RETIRED. Agr. Econ. Asn; Asn. Farm Mgrs. & Rural Appraisers (v.pres, 49). U.S.A. 18-19, 2nd Lt. Farm management; production capacity of farms of different size groups; farm adjustments related to changes in farm returns. Publ: Returns from selected dairy hands in the Nashville milkshed & Labor requirements on Tennessee farms, Tenn. Agr. Exp. Sta. Bull; Selecting price data-discussion, South. Coop. Series Bull. Address: 7633 Gleason Rd, Knoxville, Tenn. 37919.

RANSCHBURG, DR. H(ERBERT) J(OSEF), b. Vienna, Austria, Sept. 22, 19; m. 50; c. 2. ECONOMICS. B.A. Queens Col, 49; M.A. N.Y. Univ, 50, Ph.D. (econ), 58. Asst. labor econ. res. dept, Int. Ladies Garment Workers Union, 49-52; ASST. EXEC. DIR. CITIZENS BUDGET CMN, 52- Lectr. sch. gen. studies, Queens Col, 49- U.S.A. 43-46. Econ. Asn; Soc. Pub. Admin; Govt. Res. Asn. Money and banking; public finance; local governmental revenue systems; tax and debt limits; economics of public health administration. Publ: Citizens in action. Address: 98-30 57th Ave, Corona, N.Y. 11368.

RANSFORD, DR. H. EDWARD, b. Los Angeles, Calif. Aug. 27, 36; m. 62; c. 2. SOCIOLOGY. B.A. Occidental Col, 58; M.A. California, Los Angeles, 62, Ph.D.(sociol). 66. Instr. SOCIOL. Los Angeles Valley Col, 62-63; ASST. PROF. CALIF. STATE COL. FULLERTON, 66- Consult. Gov. Cmn. on Los Angeles Riots, 65-66. U.S.A. 59-65, Sgt. Sociol. Asn. Race relations; studies of the participants in race riots and those willing to use violence as a means of correcting racial injustices; white reactions to race riots. Publ: Attitudes of Negroes toward the Los Angeles riots, Law Transition Quart, summer 66; Isolation, powerlessness, and violence: a study of attitudes and participation in the Watts riot, Am. J. Sociol, 3/68. Address: Dept. of Sociology, California State College at Fullerton, Fullerton, Calif. 92631.

RANSOM, PROF. C(RISLER) B(RIAN), b. Memphis, Tenn, Nov. 15, 04. SOCIAL SCIENCE. A.B. Howard, 26, A.M. 30; Ph.D. Texas, 47. Teacher & prin. pub. schs, Ala, 26-31; prin. high sch, Tex, 31-40, supt. schs, 40-44; from assoc. prof. soc. sci. to PROF. HIST, HOUSTON, 46. Address: Dept. of History, University of Houston, Houston, Tex. 77025.

RANSOM, PROF. HARRY HOWE, b. Nashville, Tenn, May 14, 22; m. 51; c. 3. POLITICAL SCIENCE. B.A. Vanderbilt, 43; M.A. Princeton, 49, Polit. Sci. Asn. fel, 53-54, Ph.D. 54. Instr. polit. sci. Princeton, 47-48; Vassar Col, 48-52; res. dir. N.J. Democratic State Cmt, 54; asst. prof. Mich. State, 55; res. assoc. defense studies, Harvard, 55-61; assoc. prof. POLIT. SCI, VANDERBILT, 61-63, PROF, 63- Rockefeller Found. res. award, 64-65. Mem. Inst. Strategic Studies, London, 59- Sig. C. 43-45, Mil. Intel. Res, 47-56, 1st Lt. Polit. Sci. Asn; Int. Studies Asn. International politics and foreign policy, especially military policy and strategy making; strategic intelligence; problems of balancing the requirements of the common defense with democratic government. Publ: Central intelligence and national security, Harvard, 58; Can American democracy survive cold war?, Doubleday, 63; An American foreign policy reader, Crowell, 65. Address: 511 Belle Meade Blvd, Nashville, Tenn. 37205.

RANSOM, PROF. WILLIAM M, b. Waterloo, Iowa, June 12, 25. POLITICAL SCIENCE, SOCIOLOGY. B.A. Iowa, 49, M.A. 53, Ph.D.(polit. sci.), 55.

Instr. polit. sci, Iowa, 51-52; asst. prof. polit. sci. & sociol, MANKATO STATE COL, 54-60, assoc. prof. POLIT. SCI, 60-64, PROF, 64- Summer dir, Civil Serv. Conf, Mankato State Col, 65 & Pub. Admin. Workshop, 68. Consult, St. Paul Br, U.S. Civil Serv. Cmn, Minn, 65- Mem. exec. cmt, Minn. Col-Fed. Coun, 66- Polit. Sci. Asn. Concentration in Minnesota government and administration, plus public personnel administration, particularly the development and progress of the civil service. Address: Dept. of Political Science, Mankato State College, Mankato, Minn. 56001.

RANSONE, PROF. COLEMAN B(ERNARD), JR, b. Norfolk, Va, Jan. 27, 20; m. 49; c. 3. POLITICAL SCIENCE. A.B. Col. William & Mary, 41; M.P.A. Harvard, 47, Ph.D. 50. Personnel technician, Off. Emergency Mgt, 42-43; instr. polit. sci, Alabama, 47-50, asst. prof, 50-53, assoc. prof, 53-57; prof. govt, Col. William & Mary, 57-58; PROF. POLIT. SCI. & ED. DIR. SOUTH. REGIONAL TRAINING PROG. PUB. ADMIN, ALABAMA, 58- Ford Found. Fund Adv. Ed. faculty fel, 53-54. Mem. exec. cmt, Coun. Grad. Ed. Pub. Admin, 62-65. U.S.A.A.F, 43-46, Lt. Polit. Sci. Asn; Soc. Pub. Admin. Public administration; American and state government. Publ: The office of governor in the United States; The office of governor in the South; Civics for Alabama Schools. Address: Drawer I, University of Alabama, University, Ala. 35486.

RANT, WALTER F(RANCIS), b. New York, N.Y. Aug. 4, 25; m. 50; c. 3. ECONOMICS, FINANCE. B.S. & M.A. Pittsburgh, 50; Am. Inst. Banking, 55-57; C.F.A. N.Y. Univ, 65. Asst. mgr. investment res. dept, Walston & Co, N.Y. 51-56; mgr, Cosgrove, Miller & Whitehead, 56-57; Gregory & Sons, 57-58; sr. security analyst, Lionel D. Edie & Co, 58-60; investment res. dept, Goodbody & Co, 60-65; V.PRES, ESSEX CHEM. CORP, CLIFTON, 65- Morris award, Am. Inst. Banking, 55. U.S.A.A.F, 43-47, Res, 47-, Maj. Econ. Asn. Economic and financial developments and trends; projections and forecasts, especially the chemical, drug, textile and meat packing industries. Address: 19 Beresford Rd, Allendale, N.J. 07401.

RANZONI, JANE HAMILTON, b. Chicago, Ill, Sept. 14, 14; m. 47; c. 2. PSYCHOLOGY. A.B. California, 35. Asst. psychol, California, 35-43, lectr, 43-49, res. asst, inst. child welfare, 41-50, psychologist, counseling center, 53-55; ASST. PSYCHOL, VASSAR COL, 59-62; RES. ASSOC, 62-; PSYCHOLOGIST, COUNSELING SERV, 66- Summer psychologist, counseling center, California, 59 & 61. Consult, Bur. Naval Res, 53-59; dept. ed, Stanford, 53-62. Psychol. Asn. Interviewing and projective techniques; creativity. Publ: Rorschach card pull in normal adolescent population, J. Proj. Tech; co-auth, Reliability and validity of judges ratings of adjustment on the Rorschach M.Q. grant, Psychol. Monogr. & Correlates of intuitive thinking, Psychol. Reports Monogr, 63. Address: 13 S. Randolph Ave, Poughkeepsie, N.Y. 12601.

RAO, BADRI S.R.N, b. Madras, India, Mar. 26, 16; m. 51; c. 2. ECONOMICS. B.A. Annamalai Univ, India, 35, M.A. & M.Litt, 40; Govt. India scholar, 45; M.A. Harvard, 48. ECONOMIST, INT. BANK FOR RECONSTRUCT. & DEVELOP, 47- Econ. Asn. Problems of economic growth; European economic problems; regional development finance organizations. Publ: Cambios recientes en la deuda externa de los paises Latinoamericanos, Centros de Estudios Monetarios Latinoamericanos, 63; Road-rail competition in India; International investment and capital flows to underdeveloped areas. Address: International Bank for Reconstruction & Development, 1818 H St. N.W., Washington, D.C. 20015.

RAO, PROF. J(ONNAGADDA) N(ALINI) K(ANTH), b. Eluru, Andhra, India, May 16, 37. STATISTICS, ECONOMICS. B.A. Andhra, India, 54; M.A. Bombay, 56; Govt. India scholar, Forest Res. Inst, India, 56-58; Ph.D.(statist), Iowa State, 61. Asst. prof. statist, Iowa State, 61-63; statistician, Nat. Coun. Appl. Econ. Res, New Delhi, 63-64; assoc. prof. STATIST, Grad. Res. Center Southwest, 64-65; TEXAS A&M, 65-67, PROF, 67- Fel. AAAS; fel. Am. Statist. Asn; Inst. Math. Statist; fel. Royal Statist. Soc. Theory of sampling; mathematical statistics; econometrics; time series analysis. Publ: Co-auth, On a simple procedure of unequal probability sampling without replacement, J. Royal Statist. Soc, 62; On the variate difference method, Australian J. Statist, 63; auth, Alternative estimators in P.P.S. sampling for multiple characteristics, Sankhya, 66. Address: Dept. of Statistics, Texas A&M University, College Station, Tex. 77843.

RAO, DR. PEJAVER VISHWAMBER, Math. Statist, see Suppl. V to 11th ed, Phys. & Biol. Vols.

RAOOF, DR. ABDUL, H, b. Baghdad, Iraq, June 5, 32; m. 62; c. 2. POLITICAL SCIENCE. B.A. Baghdad, 55; M.P.A. N.Y. Univ, 61, Ph.D.(polit. sci.), 65. Lawyer, Iraq, 55-58; secy, Yemen Mission to UN, 61-63; asst. prof. POLIT. SCI, Va. State Col, Norfolk, 64-66, ASSOC. PROF, 66-67; STATE UNIV. N.Y. COL. BUFFALO, 67- Polit. Sci. Asn; Mid. East Inst; fel. Mid. East Studies Asn. N.Am. International organization; comparative developing political systems; Middle East; comparative bureaucracy. Address: 61 Kingsbury Lane, Tonawanda, N.Y. 14150.

RAPAPORT, DR. IONEL, Psychiat, Genetics, see 11th ed, Phys. & Biol. Vols.

RAPER, DR. ARTHUR F(RANKLIN), b. Lexington, N.C., Nov. 11, 98; m. 30; c. 4. SOCIOLOGY, RURAL SOCIOLOGY. B.A. North Carolina, 24, Ph.D., 31; M.A. Vanderbilt, 25. Res. secy, Cmn. Interrela. Coop, Ga, 26-39; assoc. researcher, Carnegie Study of Am. Negro, 39-40; soc. sci. analyst, bur. agr. econ, U.S. Dept. Agr, Ga, 40-42, prin. soc. scientist, 42-52; proj. eval. adv. U.S. Tech. Mission, China, 52-54; regional community develop. adv. Int. Coop. Admin, Mid. East, 55-58, Acting chief orientation & counseling br, off. personnel admin, Agency Int. Develop, D.C. 58-62; sr. adv. Mich. State Univ. Overseas Prog, Comilla, E. Pakistan, 62-64, vis. prof. sociol, Mich. State, 64-67; RETIRED. Sociol. Asn; Rural Sociol. Soc. Community development as phase of United States foreign program in Asia; cultural regions of the United States as determined by type of farming; race and class relations in the southern part of the United States. Publ: Tenants of the almighty; Tragedy of lynching; co-auth, Rural life in the United States. Address: Slope Oaks, 10801 Miller Rd, Oakton, Va. 22124.

RAPER, PROF. HORACE WILSON, South. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

RAPHAEL, BRO. ALOYSIUS, F.S.C., b. Penn Yan, N.Y., May 14, 13. EDUCATIONAL PSYCHOLOGY. B.A. Manhattan Col. 42; M.S. Fordham, 48, Ph.D., 58. Counsr, Lincoln Hall, N.Y. 34-45; guid. counsr. & teacher, Manhattan Prep. Sch., 45-46; DIR. GUID. BISHOP LOUGHLIN MEM. HIGH SCH., 56-58; instr., Manhattan Col. 58 & 61, St. Mary's Col. (Minn.), 62, Cath. Youth Orgn. coordinator, career conf. & workshops, Neighborhood Youth Corps, Brooklyn, N.Y., 66. Asst. ed, Nat. Cath. Guid. Conf. J., 60-62. Asn. Juvenile delinquency; the gifted; scholastic underachievement; intelligence tests for the hard of hearing. Publ: Causes of student failure, Sch. Counsr, 5/66; Guidance and the teacher, LaSalle Catechist, 6/66; The weed and brew, In: Identity book 2, Bruce, 66. Address: Bishop Loughlin Memorial High School, 357 Clermont Ave, Brooklyn, N.Y. 11238.

RAPHAEL, DR. EDNA ESTHER, b. Detroit, Mich., Dec. 20, 14. SOCIOLOGY. B.S. Wayne State, 40; M.A. Northwestern, 52; Ford Found. fel. Chicago, 60-61, Ph.D. (sociol.), 63. Sr. res. assoc. sociol. Inst. Juvenile Res, Chicago, Ill., 60-66; ASSOC. PROF. LABOR STUDIES & SOCIOL. PA. STATE, 66-68. Sociol. Asn; Soc. Study Social Probs; Am. Acad. Arts & Sci. Comparative organization studies; formal organization; occupations and professions; social stratification; deviant behavior; urban sociology. Publ: Community structure and acceptance of psychiatric aid, 1/64 & Power structure and membership dispersion in unions, 11/65, Am. J. Sociol.; The Anderson-Warkov hypotheses in local unions: a comparative study, Am. Sociol. Rev., 10/67. Address: Dept. of Labor Studies, Pennsylvania State University, University Park, Pa. 16802.

RAPHAELSON, DR. ARNOLD H(ERBERT), b. Worcester, Mass., Oct. 13, 29; m. 51; c. 3. ECONOMICS, PUBLIC FINANCE. A.B. Brown, 50; M.S. Columbia, 51; M.A. Clark, 56, fel. 56-58, Ph.D. (econ), 60. Reporter, Worcester Telegram, Mass., 53-56; lectr. econ. eve. col. Clark, 57-58; asst. prof. bus. & econ. Maine, 58-61, ASSOC. PROF., 61-66; ECON. TEMPLE, 66-68. Prnl. staff mem, submt. intergovt. rels, U.S. Senate, 64-65, consult, 65-66. U.S.A., 51-53. Econ. Asn. Fiscal policy aspects of unemployment compensation and public assistance programs; community adjustment to textile mill closings; vacation industry regional studies. Publ: Federal expenditures to states and regions, U.S. Senate Submt. Intergovt. Rel., 66; State of Maine pre-legislative conference; Study of vacation industry in Maine. Address: Dept. of Economics, Temple University, Philadelphia, Pa. 19122.

RAPHESON, PROF. ALFRED C., b. Washington, D.C., July 16, 27; m. 58; c. 1. PSYCHOLOGY. B.A. Michigan, 50, M.A., 51, Ph.D., 56. Instr. PSYCHOL. Michigan, 54-55; res. asst. prof. Illinois, 55-56, asst. prof. 55-56; FLINT COL. MICHIGAN, 56-60, assoc. prof. 60-65, PROF. 65-68, CHMN. DEPT., 66-68. U.S.A.A.F., 45-47. AAAS; Psychol. Asn. Measurement of human motives; perception. Publ: Co-auth. The relationship between imaginative and direct verbal measures of test anxiety under two conditions of uncertainty, J. Personality & Effects of lombic damage on retention of performance of a runway response, Neuropsychologica, 66; auth. Lincoln Steffens and the Leipzig Psychological Laboratory, 1890-91, J. Hist. Behav. Sci., 67. Address: Dept. of Psychology, Flint College, University of Michigan, Flint, Mich. 48503.

RAPKIN, PROF. CHESTER, b. U.S., Feb. 19, 18; m. 42; c. 2. ECONOMICS. B.S. City Col. New York, 39; American Univ. & George Washington, 39-41; Ph.D. (econ), Columbia, 53. Econ. analyst & statistician, Fed. Home Loan Bank Admin, 41-46; credit & finance specialist, Nat. Housing Agency, 46-47; res. economist, Nat. Bur. Econ. Res., 47-49; lectr. sch. law, Columbia, 51; res. assoc. econ. & statist. Inst. Urban Land Use & Housing Studies, 49-55; prof. city planning, sch. fine arts & finance, Wharton Sch. Finance & Commerce, Pennsylvania, 55-66; PROF. URBAN PLANNING & DIR. INST. URBAN ENVIRON. SCH. ARCHIT. COLUMBIA, 66-68. Consult. Econ. Asn; Statist. Asn; Sociol. Asn; fel. Finance Asn; Inst. Planners. Publ: Co-auth. Residential renewal in the urban core; Demand for housing in racially mixed areas; auth. The private rental housing market in New York City 1965, City Rent & Rehab. Admin, 12/66. Address: 503 Avery Hall, Columbia University, New York, N.Y. 10027.

RAPKIN, DR. MAURICE, b. Woodbine, N.J., June 5, 16; m. 44; c. 3. PSYCHOLOGY. B.S. City Col. New York, 38; California, Los Angeles, 41; Ph.D. (clin. psychol.), Southern California, 49. Clin. psychologist, LOS ANGELES PSYCHOL. SERV. CENTER, 49-50, co-dir. 50-58, DIR. 58-60. U.S.A.A.F., 42-46. AAAS; Psychol. Asn; Soc. Proj. Tech. & Personality Assessment; Acad. Psychother. Clinical psychology; psychotherapy; marriage and family counseling. Publ: Projective-motor test, a validation study; J. Proj. Tech.; co-auth. Projective-motor test, Am. Psychologist & Psychological service center, In: Survey of clinical practice in psychology. Address: 4553 Atoll Ave, Sherman Oaks, Calif. 91403.

RAPOPORT, DR. ANATOL, Math. Biol, see 11th ed, Phys. & Biol. Vols.

RAPOPORT, DR. DAVID C., b. Jan. 7, 29; U.S. citizen; m. 59; c. 1. POLITICAL SCIENCE. B.A. California, Berkeley, 50, M.A., 52, Ph.D. (polit. sci.), 60; London, 56-58. Res. assoc. POLIT. SCI. inst. war & peace studies, Columbia, 59-61, lectr. Barnard Col., 60-61; asst. prof. CALIFORNIA, LOS ANGELES, 61-67, ASSOC. PROF., 67-68. U.S.A., 54-56. Polit. Sci. Asn; Soc. Legal & Polit. Philos. Political theory; history of political thought; military institutions, corruption. Publ: A comparative theory of military and political types, In: Changing patterns of military politics, 62; Military and civil societies, Polit. Studies, 6/64; Coup d'etat, In: Revolution, 66. Address: Dept. of Political Science, University of California, Los Angeles, Calif. 90024.

RAPOPORT, DR. ROBERT N(ORMAN), b. Brockton, Mass., Nov. 1, 24; m. 57; c. 1. SOCIAL ANTHROPOLOGY, MEDICAL SOCIOLOGY. M.A. Chicago, 49; Ph.D., Harvard, 51. Asst. prof. soc. anthrop., Cornell, 51-53; dir. spe. sci. res. Belmont Hosp. Eng., 53-57; lectr. soc. anthrop., Harvard, 57-68; SR. SOC. SCIENTIST, TAVISTOCK INST. HUMAN RELS, 66-68. Consult. McLean Hosp., Belmont, 57-62; Dept. Health, Ed. & Welfare, 65-66. Sig.C., U.S.A.A.F., 43-47, 1st Lt. Anthrop. Asn; Soc. Appl. Anthropol. Sociol. Asn.

Values and primitive religion in change; social factors in mental health and illness; prevention of illness; promoting mental health. Publ: Community as doctor; co-auth. People of Cove and Woodlot & Women and top jobs, P.E.P., London, 67. Address: 7 Kidderpore Ave, London N.W. 3, Eng.

RAPP, DR. JOHN EDWARD, b. Kansas City, Mo., Nov. 16, 36; m. 60; c. 1. ECONOMICS. A.B. Missouri, 59, M.A., 60, Ph.D. (econ), 64. Instr. ECON., Missouri, 59-63, res. asst. res. center, 60-63; asst. prof. South Dakota, 63-65, assoc. prof. 65-67; ASSOC. PROF. & CHMN. DEPT. MACMURRAY COL., 67-68. Economist, bur. pub. roads, U.S. Dept. Commerce, 61-63; S.Dak. Highway Dept. res. grant, 66-67. Consult. S.Dak. Indust. Develop. Expansion Agency, 64-65; S.Dak. Highway Legal Div., 65-66. Mem. cmt. Highway Res. Bd. Nat. Acad. Sci.-Nat. Res. Coun., 66-67. State and local finance; highway finance and transportation economics; regional economics. Publ: Economic base study of South Dakota, State of S.Dak., 66; Economic impact study—South Dakota highways, S.Dak. Highway Dept. & Bur. Pub. Roads, 67; Theory and practice of highway cost allocation and revenue distribution, Bur. Pub. Roads, 67. Address: Dept. of Economics, MacMurray College, Jacksonville, Ill. 62650.

RAPPAPORT, DR. M(AURICE), b. New York, N.Y., Feb. 9, 26; m. 49; c. 4. PSYCHOLOGY. Fel. & Ph.D. (psychol.), Ohio State, 54; M.D. Stanford, 62. Res. assoc. psychol. Ohio State, 51-54; res. psychologist, Med. Res. Coun., 54-55; Stanford Res. Inst., 55-63; CHIEF OF RES. AGNEWS STATE HOSP., SAN JOSE, 63-64. U.S.A.A.F., 44-46. Psychol. Asn; Ergonomics Res. Soc. Psychopharmacology; sensory processes; schizophrenia; community mental health. Publ: Increasing voice communication channels using man's binocular listening capability, Human Factors, 2/65; Comparative ability of normal and chronic schizophrenic patients to attend to competing voice messages, Arch. Gen. Psychiat., 7/67; Mental health research: an attempt at a balanced program, Ment. Hyg., 1/68. Address: 3645 Ramona Circle, Palo Alto, Calif. 94306.

RAPPAPORT, DR. RAY A., b. New York, N.Y., Mar. 25, 26; m. 59; c. 2. ANTHROPOLOGY. B.S. Cornell, 49; Ph.D. (anthrop.), Columbia, 66. ASST. PROF. ANTHROP. MICHIGAN, 65-66. U.S.A., 43-46. AAAS; Anthropol. Asn. Ecological anthropology, especially Oceania; religion of primitive peoples; application of systems theory to anthropology. Publ: Co-auth. Archaeology of Moorea, French Polynesia, Am. Mus. Natural Hist., 67; auth. Pigs for the ancestors, Yale, 68; Ritual regulation of environmental relations in New Guinea, Ethnology, 67. Address: Dept. of Anthropology, University of Michigan, Ann Arbor, Mich. 48104.

RAPPAPORT, DR. SHELDON R., b. Jacksonville, Fla., Apr. 19, 26; m. 50; c. 2. CLINICAL PSYCHOLOGY. A.B. Temple, 46, A.M., 47, Ph.D. (clin. psychol.), Washington (St. Louis), 50. Intern psychol. Inst. Living, Conn., 47-48; Elgin State Hosp., Ill., 48; psychologist, Alton State Hosp., 48, supv. psychologist, 48-51; private practice, 51-64; PRES. PATHWAY SCH. NORRISTOWN, 61-Sr. psychologist, Embreeville State Hosp., Pa., 51-52; psychologist, dept. psychiat., south. div. Albert Einstein Med. Center, 51-55; res. assoc. Hahnemann Med. Col. (Pa.), 55-60; med. res. scientist, children's unit, East. Pa. Psychiat. Inst., 60-63; res. assoc. Jefferson Med. Col., 64-66. Consult. State Dept. Spec. Ed., Ill., 48-49; State Dept. Voc. Rehab., 49-51; Sklar Sch., 51-56. Mem. Pa. State Teacher Ed. Adv. Cmt., 64-65. Dipl. Am. Bd. Exam. Prnl. Psychol. Fel. AAAS; fel. Psychol. Asn; fel. Orthopsychiat. Asn; fel. Soc. Proj. Tech. & Personality Assessment; Acad. Psychother. Epigenesis of ego functions and learning skills in children who have brain dysfunction. Publ: A definition, Vol. I, 64, Differential diagnosis, Vol. II, 65 & Habilitation, Vol. III, 66, In: Childhood aphasia and brain damage, Livingston. Address: Haldeman Rd., R.D.1, Box 115, Schwenksville, Pa. 19473.

RAPPAPORT, DR. SIDNEY M., b. New York, N.Y., May 10, 15; m. 43; c. 2. PSYCHOLOGY. B.S.S., City Col. New York, 39, M.S., 41; Ph.D. (psychol.), Temple, 54. Asst. dir. Voc. Guid. Serv., 44-51; lectr. psychol., Temple, 53-56; PRES. Sidney M. Rappaport & Assocs., 56-60; Leon Henderson & Assocs., 60-63; MGT. COUNSR. CORP., 63-64. Pres. Indust. Psychol. Serv. Psychologist, Edward N. Hay & Assocs., 53-55; private consult., 55-60. U.S.A., 42-43. Psychol. Asn; fel. Soc. Proj. Tech. Indust. and clinical psychology; counseling for executive development. Publ: Effects of set towards increasing color responses on Rorschach; Counseling with the older employee. Address: 7453 Old York Rd., Melrose Park, Pa. 19095.

RAPPAPORT, DR. JOHN H(ENRY), b. Toledo, Ohio, Sept. 11, 13; m. 37; c. 3. PSYCHOLOGY. B.A. Toledo, 36; M.A., Ohio State, 37, Ph.D., 41. Asst. prof. psychol., Park Col., 41-42; assoc. Illinois, 42-44; res. assoc. Tufts Col. Proj. Nat. Defense Res. Cmn., 44-45; supvr. testing prog. A.C. Spark Plug Div. Gen. Motors, 45-46; INDUST. PSYCHOLOGIST, U.S. Rubber Co., 46-52; OWENS-ILLINOIS, INC., 52-53. Mem. cmt. test develop. sect., U.S. Employ. Serv., 67-68. Nat. Coun. Measurement in Ed; Psychol. Asn; Statist. Asn; Psychomet. Soc. Personnel selection, opinion surveys; industrial training and evaluation. Address: Owens-Illinois, Inc., Owens-Illinois Bldg., Toledo, Ohio 43601.

RAPPAPORT, DR. LEON H., b. New York, N.Y., Mar. 11, 32; m. 55; c. 2. PSYCHOLOGY. B.A. N.Y. Univ., 53; M.A. Colorado, 61, Nat. Insts. Health fel., 61-62, Ph.D. (psychol.), 63. Statist. asst. Elmo Roper & Assocs., 56-58; Nat. Insts. Health res. fel. soc. psychol., Oslo, 63-64; ASST. PROF. PSYCHOL., KANSAS STATE, 64-65. Prin. investr., Nat. Sci. Found. grant, 67-69; summer vis. res. assoc. Inst. Behav. Sci., Colo., 67. U.S.A., 54-56. Soc. Psychol. Study Social Issues; Psychol. Asn. Interpersonal conflict; social cognition. Publ: Co-auth. Cognitive structure approach to person perception, J. Abnorm. & Soc. Psychol., 64; auth. Interpersonal conflict in cooperative situations, J. Exp. Soc. Psychol., 65; Impressions of personality..., Human Rel., 68. Address: Dept. of Psychology, Kansas State University, Manhattan, Kans. 66502.

RAPPAPORT, DR. VICTOR A(LEXANDER), b. Hartford, Conn., Dec. 23, 03. SOCIOLOGY. Ph.B. Yale, 26, Ph.D., 30. Asst. prof. sociol., Connecticut, 30-35, assoc. prof., 35-40; dean col. lib. arts, Wayne State, 48-60, int. studies, 60-68; RETIRED. Fulbright res. scholar, Italy, 55-56. Consult. cmm. int. ed, Am. Coun. Ed., 65. Order Brit. Empire. U.S.A., 40-46, Col.; Legion of

Merit; Bronze Star; Croix de Guerre et Palm. Sociol. Asn. Connecticut rural youth and farming; sociology implications of selective service; manpower planning in education. Address: Route 1, Box 467, Nokomis, Fla. 33555.

RAPSON, DR. IRA J(OHN), JR., b. Detroit, Mich., Dec. 15, 24; m. 50; c. 4. ECONOMICS. B.A. Michigan, 51, M.A. 52; Ph.D.(econ), Wisconsin, 61. Mgt. trainee, Inland Steel Co., Ill., 52-53; instr. econ. & bus., Wheaton Col.(Ill.), 53-56; asst. econ. Wisconsin, 56-58; asst. prof. econ. & bus., Augustana Col. (Ill.), 58-64; CHMN. DIV. SOC. SCI. WESTMONT COL., 64- Ord.C. 43-46, Sgt. Econ. Asn. Accelerator-multiplier as trade cycle mechanism; reconciliations of interest rate theory; impact of legal debt enforcement procedures. Publ: Dane County small claims court, its functions and social impact. Address: Dept. of Economics, Westmont College, Santa Barbara, Calif. 93103.

RARICK, DR. GALEN R., b. Muncie, Ind., Apr. 28, 23; m. 52; c. 2. COMMUNICATION, JOURNALISM. B.A. Denver, 48; M.A. Stanford, 51; Adv. Behav. Sci. fel. 58-59, Ph.D.(mass. commun. res), 63; summer, Michigan, 58. Newspaperman, Nev. Idaho, Tex. & Wash. D.C. 47-54; pub. Independent, Booneville, Miss., 54-57; asst. prof. journalism, Hardin-Simmons, 57-58; lectr. California, Berkeley, 59-60, acting asst. prof. 60-62; assoc. prof. journalism & dir. commun. res. Oregon, 62-67; PROF. JOURNALISM, RES. DIR. & GRAD. PROG. COORDINATOR, OHIO STATE, 67- Asn. Pub. Opinion Res. & Asn. Ed. Journalism. Relationships among attitude, learning and the affective and cognitive components of the perceived prestige of the source of a message; content analysis of the daily newspaper coverage of political campaigns; effects of position and content variables upon the recall of readership of newspaper items. Publ: Field experiments in newspaper item readership, Sch. Journalism, Univ. Oregon, 67; Message exaggeration by the receiver, Journalism Quart., summer 63; Comparison of two methods of measuring item readership, Am. Newspaper Publisher's Asn. News Res. Bull., 8/67. Address: School of Journalism, Ohio State University, Columbus, Ohio 43210.

RARICK, PROF. G(EOGE) LAWRENCE, Physiol. Phys. Ed, see 11th ed, Phys. & Biol. Vols.

RASCH, DR. NORMAN L(UDWIG), b. Milwaukee, Wis., May 13, 28; m. 56; c. 4. CLINICAL PSYCHOLOGY. B.A. Wisconsin, 50; Ph.D. Pennsylvania, 57. Apprentice instr. Int. Harvester Co. Milwaukee, Wis., 50-51; trainee psychol. Vet. Admin. Regional Off. & Phila. Ment. Hyg. Clin., 52-57; intern, Vet. Admin. Hosp., Coatesville, Pa., 54-55; psychologist, Knoxville Ment. Health Center, 57-60, chief clin. psychologist, 60-64; PRACTICING CLIN. PSYCHOLOGIST, 64- Assoc. prof. mem. res. center & hosp. Tennessee, 62-, adj. assoc. prof. 63- Consult, Knoxville Ment. Health Center, 64-67. Psychol. Asn; Orthopsychiat. Asn. Diagnosis and treatment of emotional disturbances in adults and children; problems of community mental health education; problems of graduate education in psychology and medicine. Address: 2100 White Ave, Knoxville, Tenn. 37916.

RASCOE, DR. JOHN THOMAS, b. San Antonio, Tex., June 18, 27; m. 49; c. 2. PSYCHOLOGY, EDUCATION. B.S. Houston, 49, M.Ed. 51, Ed.D. 58; Mississippi, 62; East Texas State, summers, 64-65. Teacher, pub. schs. Tex., 49-56; dir. curriculum & instr., Sundeen Independent Sch. Dist., Tex., 56-58; dean students, San Angelo Jr. Col., 58-60; ASSOC. PROF. ed. psychol. West Texas State, 60-65; psychol. Pan Am. Col., 65-66; ED. & PSYCHOL. TEXAS A&I, 66- Elem. Principalship in Tex.-U.S. Off. Ed. Coop. res. grant, 65-66; assoc. investr. & Tex. Col. & Univ. Sys. Coord. Bd. funds, 67-68; summer, Nat. Sci. Found. fel., 62. Establishing self perception-performance relationships; factor analysis of effective leadership; cultural influences upon behavior. Publ: Co-auth. The elementary school principal in Texas, West Texas State Univ., 66. Address: Dept. of Psychology, Texas A&I University, Kingsville, Tex. 78363.

RASER, DR. JOHN RUDOLPH, b. Dallas Center, Iowa, June 8, 35; m. 56; c. 2. POLITICAL SCIENCE, PSYCHOLOGY. A.B. San Diego State Col., 60; M.A. Fletcher Sch. Law, 61; Ph.D.(polit. sci.), Stanford, 64. RES. FEL. PSYCHOL. & POLIT. WEST. BEHAV. SCI. INST. 63- Lectr. San Diego State Col., 63-65; Guggenheim fel. 66; vis. prof. Oregon, 67; Claremont Grad. Sch., 67; vis. fel. ment. health res. inst. Michigan, 67-68; assoc. prof. int. rels. & govt. Claremont Grad. Sch., 68- Soc. Int. Law; Polit. Sci. Asn. Simulation research in deterrence theory; survey studies of elite personality and background characteristics; analysis of youth values; cross-cultural research in political decision-making. Publ: Simulation and society: an exploration of scientific gaming, Allyn & Bacon, 69; Personal characteristics of political decision-makers, Proc. Peace Res. Soc., 66; Weapons design and arms control: the Polaris example, J. Conflict Resolution, 8/66. Address: 367 Pine Needles Dr, Del Mar, Calif. 92037.

RASHISH, MYER, b. Cambridge, Mass., Nov. 10, 23; m. 48; c. 2. ECONOMICS. A.B. Harvard, 44, A.M. 47. Instr. econ. Mass. Inst. Tech., 46-47; Williams Col., 47-49; asst. prof. Bowdoin Col., 49-51; economist, U.S. Dept. State, 52-53; econ. consult. Cmt. Nat. Trade Policy, 54-56; staff dir. submt. for. trade policy, U.S. House Rep., 56-60; spec. asst. to Undersecy. of State for Econ. Affairs, 60; dep. to spec. asst. to President for int. trade policy, 60-63; CONSULT. ECONOMIST, 63- Econ. Asn. International trade and finance; economic development; public finance and fiscal policy. Address: 3715 Idaho Ave. N.W., Washington, D.C. 20016.

RASHKIS, DR. HAROLD A(LBERT), b. New York, N.Y., June 17, 20; m. 47; c. 3. PSYCHOLOGY, PSYCHIATRY. A.B. Miami (Fla.), 41; A.M. Columbia, 42, Ph.D.(psychol.), 47; M.D. Pennsylvania, 53. Instr. psychol. Pennsylvania, 47-48, asst. prof. 48-54; SR. RES. PSYCHIATRIST, EAST. PA. PSYCHIAT. INST. 55- Assoc. Women's Med. Col. Pa., 60-65, clin. assoc. prof. 65-67, dir. res. behav. sci., 66-67. Consult. Abington Friends Sch. Pa. Mem. Gov. Cmt. Accident Prev. Clins. N.J., 60-61; group leader, Williamsburg Conf. President's Cmt. Traffic Safety, 68; mem. prnl. adv. cmt. Horizon House, 58-; chmn. adv. cmt. civil serv. cmm. Commonwealth Pa., 61-65; invited speaker, Gordon Cancer Conf., 63. U.S.A., 43-46. AAAS; Psychol. Asn; Am. Psychiat. Asn; Am. Med. Asn; Acad. Relig. & Ment. Health; Acad. Polit. & Soc. Sci;

Soc. Psychophysiol. Res; Soc. Gen. Syst. Res; N.Y. Acad. Sci; World Psychiat. Asn. General systems and their application to psychosomatic organization, psychotherapy and family and social organization. Publ: The research community: an application of science to hospital psychiatry, Am. Med. Asn. Arch. Gen. Psychiat; A general theory of treatment in psychiatry, Am. Med. Asn. Arch. Neurol. & Psychiat; The principle of organization and the treatment of individual and multiple patients, Comprehensive Psychiat., 67. Address: 816 Winter Rd, Jenkintown, Pa. 19046.

RASK, DR. NORMAN, b. Duaneburg, N.Y., June 28, 33; m. 55; c. 4. AGRICULTURAL ECONOMICS. B.S. Cornell, 55, M.S. 60; Ph.D.(agr. econ), Wisconsin, 64. Exten. assoc. farm mgt., Cornell, 59-60; res. asst. Wisconsin, 61-63, ASST. PROF. agr. econ., 64-65; FARM MGT. & AGR. CREDIT, OHIO STATE, 66- Mem. Midwest Coun. Asn. Latin Am. Studies. Agr. Econ. Asn. Foreign agricultural development; agricultural credit & farm growth. Address: Dept. of Agricultural Economics, 2120 Fyffe Rd, Ohio State University, Columbus, Ohio 43210.

RASKIN, DR. ALLEN, b. Brooklyn, N.Y., Oct. 9, 28; m. 55; c. 1. PSYCHOLOGY. A.B. Syracuse, 49; M.S. Illinois, 51, U.S. Pub. Health Serv. fel. 51-54, Ph.D. 54. Staff psychologist, Vet. Admin. Hosp. East Orange, N.J. 55-58; res. psychologist, outpatient psychiat. res. lab, Vet. Admin., 58-61; co-investr. chemother. res. sch. med. Georgetown, 61-64; RES. PSYCHOLOGIST, NAT. INST. MENT. HEALTH, 64- U.S.A., 45-46. AAAS; Psychol. Asn. Patient change measures for evaluating effects of psychotherapy and chemotherapy; psychopathology in depression. Publ: Factors of psychopathology in the ward behavior of acute schizophrenics, 63 & Factors of psychopathology in interview, ward behavior and self-report ratings of hospitalized depressives, 67, J. Consult. Psychol; The concept of task versus person orientation in nursing, J. Appl. Psychol., 65. Address: 9207 Lindale Dr, Bethesda, Md. 20034.

RASKIN, DR. DAVID C(ARL), b. Los Angeles, Calif., July 28, 35; m. 59; c. 3. PSYCHOLOGY. B.A. California, Los Angeles, 57, M.A. 60, Ph.D.(psychol), 63. Human factors specialist, Ramo-Woolridge Corp., 59-60; res. engr. Lockheed Aircraft Corp., 60-61; res. psychologist, California, Los Angeles, 61-63, asst. prof. PSYCHOL., 63-65; Mich. State, 65-68; ASSOC. PROF. UTAH, 68- Psychol. Asn; Psychonomic Soc; Soc. Psychophysiol. Res. Human psychophysiology; classical conditioning; verbal, human and animal learning. Publ: Semantic conditioning and generalization of autonomic responses, 68 & co-auth. Transfer tests of the frequency theory of verbal discrimination learning, 68, J. Exp. Psychol; Effects of individual differences in the orienting reflex on conditioning and complex processes, J. Exp. Res. Personality, 68. Address: Dept. of Psychology, University of Utah, Salt Lake City, Utah 84112.

RASKIN, PROF. EVELYN, b. Brooklyn, N.Y., Nov. 12, 12. PSYCHOLOGY. B.A. Barnard Col., 32; M.A. Minnesota, 33, Ph.D.(psychol), 37. Adjunct prof. psychol. Randolph-Macon Woman's Col., 37-42; personnel technician, Adj. Gen. Off. War Dept., D.C., 42-45; from asst. prof. to PROF. PSYCHOL., BROOKLYN COL., 48- Psychol. Asn. Genesis and correlates of special aptitudes in children. Address: Dept. of Psychology, Brooklyn Col., Bedford Ave. & Ave. H, Brooklyn, N.Y. 11210.

RASKIND, PROF. LEO J., Law, Econ, see 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.

RASMUSSEN, PROF. ALBERT TERRILL, b. Regina, Can., Oct. 20, 11; U.S. citizen; m. 36; c. 2. SOCIOLOGY, SOCIOLOGY OF RELIGION. A.B. Whitworth Col.(Wash.), 34; B.D. Chicago Theol. Sem., 37; Ph.D.(sociol. of relig), Chicago, 43. Res. assoc. Urban Church, Chicago Theol. Sem., 38-41; res. dir. Wash. D.C. Fedn. Churches, 41-42; urban trends, Chicago Congregational Union, 43-46; prof. sociol. of relig. Colgate Rochester Divinity Sch., 46-57; PROF. RELIG. & SOCIOL. PAC. SCH. RELIG., 57- Faculty fel. Yale, 53-54, vis. fel. 54-55; travel grant urban growth, 63-64. Dir. Bur. Community Res. N.Y., 50-57; Calif., 59-67; chmn. relig. & soc. Grad. Theol. Union, 67. Fel. Sociol. Asn; fel. Soc. Sci. Study Relig; Rural Sociol. Soc. Scientific study of religious trends and institutions; urban sociology. Publ: Christian social ethics, Prentice-Hall, 56; Christian responsibility in economic life, Westminster, 64; Religious trends in Rochester, New York, Rochester Church Fedn., 56. Address: Dept. of Religion & Society, Pacific School of Religion, 1798 Scenic Ave, Berkeley, Calif. 94709.

RASMUSSEN, PROF. ELMER M(ICHAE), b. Clifton, Ill., Jan. 2, 10; m. 41; c. 4. EDUCATIONAL PSYCHOLOGY. B.A. Dana Col., 39; M.A. Columbia, 40; Ph.D.(ed. psychol), Nebraska, 52. Instr. ED. & PSYCHOL. DANA COL., 41-49, PROF. 49-. REGISTR. & DIR. COUNSELING, 55-, dean col. 49-58, students, 62-67. Nat. Ed. Asn; Psychol. Asn; Ed. Res. Asn; Nat. Soc. Study Ed. Educational measurements. Address: Dept. of Psychology & Education, Dana College, Blair, Nebr. 68008.

RASMUSSEN, PROF. GLEN R(USSELL), b. Chicago, Ill., Apr. 23, 21; m. 44; c. 5. EDUCATIONAL PSYCHOLOGY. B.S. Wayne, 47, M.S. 48; Ph.D. Michigan, 53. Asst. prof. music & psychol. Ga. State Teachers Col., 47-50; instr. psychol. Mich. State Norm. Col., 51-52; lectr. ed. psychol. Michigan, 52-56, asst. prof. Flint Col., 56-58, assoc. prof. 58-62; prof. ed. & psychol. Southern Illinois, 62-63; v.pres. & acad. dean, Carthage Col. (Wis.), 63-68; V.PRES. ACAD. AFFAIRS, MORNINGSIDES COL., 68- U.S.A., 42-46. Education; group dynamics; social psychology. Publ: A sine qua non for good teaching, Sch. Ed. Bull; Perceived value discrepancies of teachers and principals: a threat to creative teaching, Nat. Asn. Sec. Sch. Prin; co-auth. Grading practices in undergraduate education courses, J. Higher Ed. Address: Morningside College, Sioux City, Iowa 51106.

RASMUSSEN, PROF. JEWELL J(ENS), b. Spring City, Utah, Nov. 18, 08; m. 32; c. 2. ECONOMICS. M.S. Utah, 38; Ph.D.(econ), Stanford, 48. Instr. econ. Weber Col., 36-37; dir. res. State Ed. Asn, Utah, 37-42; PROF. ECON. UTAH, 42-, CHMN. DEPT., 65- Asst. dir. res. Nat. Ed. Asn, 49. Consult. U.S. Bur. Budget, 49; President's Water Resources Policy Cmn., 50; Cmn. on Intergovt. Rels., 54. Econ. Asn. Taxation, especially state and local; federally owned lands, especially taxation of, payments in lieu of taxes and

- exemption. Publ: Mine and mineral taxation in Utah; Status and fiscal significance of federally owned lands in the eleven Western states, Monogr. Nat. Ed. Asn; Economic appraisal of state and local taxation in Utah, Monogr. Utah Ed. Asn. Address: Dept. of Economics, University of Utah, Salt Lake City, Utah 84112.
- RASMUSSEN, CAPT. JOHN E(DWARD), U.S.N., b. Denver, Colo, May 28, 25; m. 49; c. 2. PSYCHOLOGY. B.S. Northwestern, 47, M.A., 49; Ph.D., American Univ, 61. MED. SERV. CORPS, U.S. NAVY, 51-, clin. psychologist, Naval Training Center, Md, 51-53, phys. qualifications div, bur. med. & surg, 53-56, head clin. psychol. sect, prfnl. div, 56-59, allied sci. sect, med. serv. corps div, Bur. Med. & Surg, 58-59, neuropsychiat. div, Naval Med. Res. Inst, res. div, 59-64, liaison scientist psychol, London Br, Off. Naval Res, 64-67, SPEC. ASST. MED. & ALLIED SCI, OFF. OF CHIEF NAVAL DEVELOP, NAVY DEPT, 67- & ASST. FOR DEVELOP, RES. DIV, BUR. MED. & SURG, 67- Mem, Bd. U.S. Civil Serv. Exam, 57-59; behav. sci. study sect, Nat. Inst. Ment. Health, 59-64. U.S.N. 42-46. AAAS; fel. Psychol. Asn; Asn. Mil. Surg; fel. Royal Soc. Med. Diagnosis of character disorder; psychiatric assessment of military personnel; human performance under hyperbaric pressure. Address: 7035 Wolfree Lane, Rockville, Md. 20852.
- RASMUSSEN, DR. MARIUS (PETER), b. Bennington, Vt, Oct. 1, 93; m. 20, 60; c. 2. AGRICULTURAL ECONOMICS. B.S. Cornell, 19, Ph.D.(mkt), 24. Farm mgt, specialist, Vermont, 20-21; instr. mkt, Cornell, 21-24, prof, 24-59; RETIRED. Res. agent, bur. agr. econ, U.S. Dept. Agr, D.C., 22-24, agr. economist, 27-28, sr. agr. economist, 29-30; investor, State Agr. Exp. Sta, N.Y., 44-67; prin. expert, Fed. Farm Bd, 33; specialist, Farm Credit Admin, 34-41, consult. economist, 49-52; dir, State Cmn. Agr, N.Y., 53. Consult, Am. Farm Bur. Fed, Ill, 33-41; Am. Nat. Coop. Exchange, Inc, N.Y., 33-54; Fla. Citrus Cmn, 41; War Prod. Bd, D.C., 42-43; adv. & consult, Am. Nat. Foods, Inc, 54. Mem, Int. Conf. Agr. Econ. Agr. Econ. Asn; Mkt. Asn. Marketing. Publ: Some facts concerning means of transportation and methods used in marketing New York State fruits and vegetables; Retail outlets for fruits in New York City; Prepacking fresh fruits and vegetables in the Northeast by commercial prepackers. Address: 1125 Sherman Ave, Plainfield, N.J. 07063.
- RATCHFORD, DR. B(ENJAMIN) U(LYSSES), b. Gastonia, N.C., Sept. 7, 02. ECONOMICS. B.S. Davidson Col, 26, Litt.D., 57; A.M. Duke, 27, Ph.D., 32; Cornell, 27-28; Harvard, 30. Instr. econ, Cornell, 27-28; Duke, 28-35, asst. prof, 35-39, assoc. prof, 39-43, prof, 43-60; v.pres, Fed. Reserve Bank Richmond, 60-67; RETIRED. Acting prof, Virginia, 38-39; dist. price officer, Off. Price Admin, 42-43; dep. chief & chief economist, Int. Bank Mission, Turkey, 50. Econ. adv. U.S. Mil. Govt, Berlin, 45-46. Public debts, credit; public finance and banking. Publ: Economy of Turkey; American state debts; Public expenditures in Australia. Address: 7311 W. Franklin St, Richmond, Va. 23226.
- RATCHFORD, DR. CHARLES BRICE, b. Gastonia, N.C., July 30, 20; m. 42; c. 2. ECONOMICS. B.S. N.C. State Col, 42, M.S., 47, Gen. Ed. Bd. fel. 48-49; Ph.D.(econ), Duke, 51. Asst. specialist farm mgt, N.C. State Col, 42, specialist, 42-48, specialist in charge farm mgt. & mkt, 48-54, asst. dir. agr. extn, 54-59; dir. agr. extn, MISSOURI, COLUMBIA, 59-60, extn. prof. agr. econ. & dean univ. extn. div, 60-65, V.PRES, UNIV. SYST, 65- Lectr, Nat. Center Adv. Study Exten, 59; summers, vis. prof, Chicago & mem, Ten Man Presidential Agr. Study Team, Viet-Nam, 66. Consult, Off. Econ. Opportunity & U.S. Dept. Commerce, 65- Chmn. Nat. Exten. Mkt. Cmt, 57-; Exten. Scope Task Force, 58; chmn. Nat. Exten. Cmt. Indust. Exten, 66-; mem, Joint U.S. Dept. Agr.-Land Grant Univ. Study Cmts, 67-U.S.A., 42-46, Res, 46-, Lt. Col. Econ. Asn; Statist. Asn; Agr. Econ. Asn; Acad. Polit. Sci. Economic development; farm leasing arrangements; role of state university in solving problems of low income rural people. Address: University of Missouri, Columbia, Mo. 65201.
- RATCLIFF, PROF. RICHARD U(PDEGRAFF), b. Madison, Wis, Feb. 17, 06; m. 29; c. 2. ECONOMICS. B.A. Wisconsin, 27; M.B.A. Michigan, 34, Ph.D. (urban land econ), 35. Housing economist, Fed. Housing Admin, 34-37; asst. prof. real estate mgt. & dir. bur. bus. res, Michigan, 37-41; asst. regional rep, chief housing econ. sect. & dir. homes use div, Nat. Housing Agency, 41-44; PROF. LAND ECON, SCH. COMMERCE, WISCONSIN, 44-, dir. bur. bus. res, 44-46, Wis. housing res. proj, 48-49. Dir. div. housing res, Housing & Home Finance Agency, 50-51; consult, Fed. Housing Admin; Pub. Housing Admin; Nat. Housing Agency; Nat. Resources Planning Bd. Chmn. housing res. cmt, Soc. Sci. Res. Coun. Econ. Asn. Land value, city growth and structure; retail location. Publ: Urban land economics; Madison central business area; Real estate analysis. Address: Commerce Bldg, University of Wisconsin, Madison, Wis. 53706.
- RATCLIFFE, DR. ROBERT, b. Evanston, Ill, Mar. 18, 34; m. 57; c. 6. SOCIAL SCIENCE EDUCATION, HISTORY. A.B. Loyola (Ill), 56; M.A. DePaul, 59; Ph.D.(soc. sci. ed), Northwestern, 65. Teacher, high sch, Ill, 56-64; lectr. ed, St. Xavier Col.(Ill), 64; instr. soc. studies ed, Northwestern, 65; ASSOC. PROF. ED, ILLINOIS, CHICAGO, 65- Soc. Studies Consult. & dir. res, Children's Press, 65-; sec. soc. studies adv, Follett Pub. Co, Ill, 67-Dir. law in Am. soc. proj, Elem. & Sec. Sch. Act-Chicago Bar Asn, 66-69. Ed. Res. Asn. Development of representative social science ideas as integers for curriculum and instruction in the new social studies. Publ: Co-auth, Law in American Society, Vols. I-VIII, Chicago Alligraphy, 67-68; auth, Vitalizing geographic concepts, Follett, 68; Sir Winston Churchill, a biography in destiny, Children's, 68. Address: College of Education, University of Illinois at Chicago Circle, Box 4348, Chicago, Ill. 60680.
- RATEKIN, DR. NED HARRY, b. Council Bluffs, Iowa, Nov. 12, 29; m. 50; c. 3. EDUCATIONAL PSYCHOLOGY. B.A. Parsons Col, 51; M.A. Iowa, 59, Ph.D.(ed. psychol), 65. ASST. PROF. Eng, Parsons Col, 62-64; psychol, Cornell Col, 64-65; ED. PSYCHOL. & READING, NORTHERN IOWA, 65-Dir. Insts. Adv. Study Reading, Nat. Defense Ed. Act, summers 67 & 68; Psychology and teaching of reading; teaching reading in junior and senior high school; early learning. Publ: Co-auth, Learning readiness system; classification and seriation, Harper, 68. Address: Dept. of Education, University of Northern Iowa, Cedar Falls, Iowa 50613.
- RATH, DR. GUSTAVE J(OSEPH), b. New York, N.Y., May 19, 29; m. 53; c. 2. PSYCHOLOGY, INDUSTRIAL ENGINEERING. B.S. Mass. Inst. Tech, 52; M.S. Ohio State, 55, Ph.D.(eng. psychol), 57. Proj. engr, aeromed. lab, Wright Air Develop. Center, Wright-Patterson Air Force Base, 52-55; mgr. ops. res. group, Inst. Bus. Mach. Res. Center, 57-59; Admiral Corp, 59-60; mgr. govt. financial anal, corp. hq, Raytheon Co, 60-61, mgr. sys. res. group, equip. div. hq, 61-63; assoc. prof. indust. eng, NORTHWESTERN, 63-68, PROF. INDUST. ENG. & CHMN. DESIGN & DEVELOP. CENTER, 68- Pres, Fundamental Sys. Inc, 67- U.S. Dept. Defense consult. & mem, Subpanel Design & Use of Man-Mach. Sys., 58-60. U.S.A.F. 52-54, 1st Lt. Fel. AAAS; Psychol. Asn; Inst. Elec. & Electronics Eng; Ed. Res. Asn; Opers. Res. Soc. Am; Inst. Mgt. Sci; Soc. Eng. Ed; Human Factors Soc; Asn. Ed. Data Sys. Systems simulation and design techniques; computer assisted instruction; cost benefit analysis of education; information-searching behavior of researchers; analysis of human responses; acquisition of technical manpower; man-machine systems. Publ: Punched card data processing, Sci. Res. Asn, 66; Randomization by humans, Am. J. Psychol, 3/66; co-auth, Planning-programming-budgeting in education: a systems approach to capital budgeting in school districts, Ed. Tech, 6/66. Address: Technological Institute, Northwestern University, Evanston, Ill. 60201.
- RATHE, PROF. ALEX W, b. Berlin, Germany, Jan. 21, 12; U.S. citizen; m. 47; c. 1. MANAGEMENT. B.S. Charlottenburg Inst. Tech, Berlin, 33, M.S. 35, D.Eng. 36. Indust. engr, Display Lighting Corp, N.Y., 37-41; sr. engr, Jackson & Moreland, Mass, 41-43; chief prod. engr, Gen. Instrument Corp, N.J., 43-44; chief indust. engr. & asst. to v.pres, Hudson Am. Corp, N.Y., 44-46; consult. engr, 46; assoc. prof. mgt. eng, N.Y. UNIV, 49-62. PROF. MGT, GRAD. SCH. BUS. ADMIN, 62- Vis. prof, grad. sch. bus, Columbia, 61-62; summer vis. prof, Univ. Buenos Aires, 62. Conf. leader, Dept. Defense Top Mgt. Seminars, 66- Dir, Engrs. Joint Coun, 56-60. Fel. Mgt. Asn; fel. Inst. Indust. Eng.(pres, 60-61); fel. Soc. Mech. Eng. Coun. Int. Progress Mgt. Concept of authority; systems nature of process of managing; managerial performance measures; executive development. Publ: How to set up management controls, Funk, 48; co-auth, Cybernetics and executive techniques society, 51; Gantt on management, Am. Mgt. Asn, 61. Address: Dept. of Management, Graduate School of Business Administration, New York University, 100 Trinity Place, New York, N.Y. 10006.
- RATHEE, DR. RAJPAL S, b. Bahadurgarh, Punjab, India, Apr. 1, 29; m. 53; c. 2. SOCIOLOGY, CULTURAL ANTHROPOLOGY. B.A. Punjab, India, 49; M.A. Delhi, 52; Ph.D.(sociol), Wisconsin, 66. Lectr. sociol. & soc. work, Inst. Soc. Sci. Banaras, India, 53-55; group work, Baroda, 55-56; specialist, exten. div, Wisconsin, 59-65, dir. statist. & records, 64-65; ASSOC. PROF. SOCIOL, INDIANA STATE, 65- AAAS; Sociol. Asn; Rural Sociol. Soc; Pop. Asn. Am. Urban sociology; Indian studies. Address: Dept. of Sociology, Indiana State University, Terre Haute, Ind. 47809.
- RATHORE, DR. NAEEM GUL, b. Lahore, Pakistan, Nov. 21, 31; m. 51; c. 1. POLITICAL SCIENCE. B.Sc. Michigan, 50; M.A. Columbia, 55, Ph.D.(int. rels), 64. Lectr. Pakistan studies, Columbia, 54-55; POLIT. AFFAIRS OFFICER, UN, 63- Adv, Earl Hall, Columbia, 63- Polit. Sci. Asn. Publ: The Pakistan student, Am. Friends Mid.E., 58. Address: Room 3570, United Nations, New York, N.Y. 10017.
- RATLIFF, DR. CHARLES E(DWARD), JR, b. Morven, N.C., Oct. 13, 26; m. 45; c. 3. ECONOMICS. B.S. Davidson Col, 47; summer, Columbia, 48; scholar, Duke, 49-51, M.A., 51, Ph.D., 55. Instr. econ. & bus, DAVIDSON COL, 47-48, asst. prof, 48-49, ECON, 51-54, assoc. prof, 54-60, PROF, 60-, CHMN. DEPT, 56-58, 66- Res. fel, Inter-Univ. Cmt. Econ. Res. South, 60-61; Methodist Bd. prof. econ, Forman Christian Col, W. Pakistan, 63-66. U.S.N. 44-46, Res, 46-, Lt. Comdr. Econ. Asn; Finance Asn. Public finance, especially state and local finance; money and banking; population; centralization of government expenditures; taxation and economic development in Pakistan. Publ: Co-auth, Public finance; auth, Interstate apportionment of business income for state income tax purposes; Economics of development, with specific reference to Pakistan, Finance & Indust, Pakistan, 66. Address: Box 597, Davidson, N.C. 28036.
- RATLIFF, DR. FLOYD, Neurophysiol, see 11th ed, Phys. & Biol. Vols.
- RATLIFF, DR. RICHARD G, b. Huntington, W.Va, Mar. 29, 38; m. 57. PSYCHOLOGY. B.A. Marshall, 61; Nat. Inst. Ment. Health fel, Vanderbilt, 63-66, Ph.D.(psychol), 66. Clin. intern PSYCHOL, hosp. & counseling center, Vanderbilt, 65-66; ASST. PROF, PA. STATE, 66- Clinical psychology; child experimental psychology; behavior modification. Publ: Co-auth, Information and incentive value of the reinforcing stimulus in verbal conditioning, J. Exp. Psychol, 66 & Verbal conditioning with verbal and monetary reinforcers, Psychol. Reports, 66; auth, Runway extinction with and without shock as a function of acquisition reward magnitude, J. Can. Psychol, (in press). Address: Dept. of Psychology, 117 Burrows Bldg, Pennsylvania State University, University Park, Pa. 16802.
- RATNER, PROF. SIDNEY, b. New York, N.Y., June 18, 08; m. 32; c. 1. ECONOMICS. B.A. City Col. New York, 30; M.A. Columbia, 31, Perkins Jr. scholar, 33-35, Ph.D., 42. Instr. soc. sci. & hist, Sarah Lawrence Col, 38-39; instr. & lectr. humanities, Cooper Union Inst. Tech, 38-41; economist, Bd. Econ. Warfare, 42-44; sr. economist, For. Econ. Admin, 45; prin. economist, planning div, U.S. Dept. State, 46; asst. prof. ECON. HIST, RUTGERS, 46-48, assoc. prof, 48-57, PROF, 57- Lectr, New Sch. Soc. Res, 40; U.S. Air War Col, 49; Soc. Sci. Res. Coun. res. grant, 58-57; U.S. State Dept. lectr, Japan, summer, 64 & Nigeria, spring, 67. AAAS; Am. Econ. Asn; Am. Hist. Asn; Economet. Soc; Royal Econ. Soc. Public finance; war economics; economics of growth; economic history. Publ: Taxation and democracy in America, Wiley, 67; Economic history of the Second World War, J. Econ. Hist; The need for a semantic revolution in economic history, In: Second international conf. economic history, Mouton, 65. Address: 11 Cleveland Lane, Princeton, N.J. 08540.
- RATNER, PROF. STANLEY C(HARLES), b. Pittsburgh, Pa, Aug. 13, 25; m. 50; c. 2. PSYCHOLOGY. B.S. Pittsburgh, 48; M.A. Kent State, 50; Ph.D. (psychol), Indiana, 54. Instr. PSYCHOL, Indiana, 53-55; asst. prof, MICH. STATE, 55-60, assoc. prof, 60-64, PROF, 64- Nat. Sci. Found. faculty fel,

Cambridge, 59-60; vis. prof. Fla. State; prof. Beloit Col., 67-68. U.S.A., 43-45, Sig.C., 45-46. AAAS; Psychol. Asn. Animal behavior; comparative psychology; behavior of invertebrates. Publ: Co-auth, Comparative psychology, Dorsey, 64; Chemistry of learning, Plenum, 67; auth, Effects of learning to be submissive on status in the peck order of domestic fowl, Animal Behav. Address: Dept. of Psychology, Michigan State University, East Lansing, Mich. 48823.

RATOOSH, PROF. PHILBURN, b. New Haven, Conn, Dec. 28, 23; m. 43; c. 3. PSYCHOLOGY. B.A., Yale, 47; A.M., Columbia, 48, Ph.D.(psychol), 50. Instr. Wisconsin, 50-51; asst. prof. psychol., Ohio, State, 51-55, assoc. prof, 55-57; vis. assoc. prof. psychol., California, Berkeley, 58-60, assoc. res. psychologist, inst. indust. rels, 58-61, vis. assoc. prof. bus. admin, 59-61, vis. assoc. prof. behav. sch. sch. bus. admin. & lectr. PSYCHOL., 61-62; PROF. SAN FRANCISCO STATE COL., 62- Res. assoc. dept. psychiat, Mt. Zion Hosp., San Francisco, Calif, 62; psychologist, Cowell Mem. Hosp., Berkeley, 66- Psychol. Asn; Opers. Res. Soc; Inst. Mgt. Sci. Decision and group processes; organizational behavior; psychoanalysis. Address: Dept. of Psychology, San Francisco State College, San Francisco, Calif. 94132.

RAU, DR. HERBERT L(AWRENCE), JR, b. Ill, June 29, 29. ECONOMIC GEOGRAPHY. B.S., Northwestern, 51, M.A., 55, Ph.D.(regional & econ. geog.), 58. Instr. GEOG. Ball State, 55, asst. prof. 57-58; Kansas State, 58-64; ASSOC. PROF. STATE UNIV. N.Y. BUFFALO, 64- Fulbright prof. Brazil, 59-60; summer vis. prof. Peabody Col., 62 & 64; Res. Found. New York field res. grant, P.R. Colombia, Mex, 66-67. Asn. Am. Geog; Coun. Geog. Ed. Problems in land utilization and economic development of South America. Address: Dept. of Geography, Faculty of Social Sciences & Administration, State University of New York, Buffalo, N.Y. 14214.

RAU, DR. LUCY C(ATHERINE), Psychology, see FERGUSON, DR. LUCY RAU.

RAUB, DR. EDWIN S(TANLEY), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 66.

RAUBER, DR. EARLE L(ROY), Econ, see 10th ed, Soc. & Behav. Vols, deceased 66.

RAUCH, ARTHUR S, b. New York, N.Y., Oct. 17, 18; m. 52; c. 2. INDUSTRIAL PSYCHOLOGY. B.A., George Washington, 47, M.A., 50. Asst. psychophysiol, Vet. Admin. Hosp., Newington, Conn, 50-54; training specialist indust. rels, FORD MOTOR CO, DEARBORN, 54-60, RES. ANALYST, 60-63, supvr. placement testing, 63-66, personnel testing consult, 66-67, ED. CONSULT, 67- Instr., Hillyer Col., Hartford, 50-54; reading skills consult, Wayne State, 65- Psychol. Asn; Interam. Soc. Psychol. Executive training and development; rapid reading training for managers; employee morale and attitude studies; psychological testing; labor-management relations; supervisory training; human relations; personnel selection; job performance evaluation. Publ: Rapid reading in industry; co-auth, Blood viscosity of psychotics and non-psychotics under stress, Psychosom. Med. Address: 25440 Catalina Dr., Southfield, Mich. 48075.

RAUNER, DR. ROBERT M(CENZIE), b. Walden, N.Y., Jan. 25, 25; m. 51; c. 4. ECONOMICS. A.B. & Dutton fel, Middlebury Col., 50; Ph.D.(econ), London Sch. Econ, 56. Asst. prof. econ, Trinity Col., 54-57; economist, Rand Corp., Calif, 57-65; dep. asst. secy. for econ. develop. planning, econ. develop. admin, U.S. Dept. Commerce, 65-68; V.PRES. REGIONAL ECON. DEVELOP. INST, 68- U.S.M.C., 43-46. Econ. Asn; Inst. Mgt. Sci. Economic theory; history of economic thought; operations research; military logistics and management; economic development. Address: REDL, Inc, 1725 DeSales St. N.W., Washington, D.C. 20036.

RAUNER, DR. THERESE M(ADELINE), b. New York, N.Y., Sept. 18, 25. EDUCATIONAL PSYCHOLOGY, GUIDANCE. B.A., Trinity Col. (D.C.), 46; M.S., Fordham, 51, Ph.D., 59. Teacher, Moravian Sem, Pa, 51-52; pub. sch, N.Y., 52-55; asst. dir. guid, Ladycliff Col., 56-58, dir. guid, 58-65; DEAN OF STUDENTS, ELIZABETH SETON COL., 65- Psychol. Asn; Personnel & Guidance Asn. Vocational guidance of college women. Publ: Occupational information and occupational choice, Personnel & Guid. J; Too much guidance?, Nat. Cath. Guid. Conf. J, winter 64. Address: Ft. Montgomery, N.Y. 10922.

RAUP, PROF. H(ALLOCK) F(LOYD), b. Athens, Pa, Jan. 15, 01. GEOGRAPHY. B.S., California, 24, M.S., 27, Ph.D., 35. Asst. geog., California, Los Angeles, 30-40; asst. prof., East Wash. Col. Ed, 40-43; regional geogr., U.S. Bd. Geog. Names 43-45; PROF. GEOG., KENT STATE, 45-, head dept, 45-63. Ed. Prnl. Geogr., 63-68. Asn. Am. Geog. Regional and historical geography; German colonization of Anaheim, California. Publ: Essentials of geography; ed, The travels of Charles Alexandre Lesueur, Kent State Univ, 68. Address: Dept. of Geography, Kent State University, Kent, Ohio 44240.

RAUP, DR. HENRY ARMSTRONG, b. Burbank, Calif, June 11, 33; m. 55; c. 2. GEOGRAPHY. B.A., Kent State, 55; M.A., Illinois, 57, Ph.D. (geog), 62. ASSOC. PROF. GEOG., WESTERN MICHIGAN, 60- Am. Geog. Soc; Asn. Am. Geog. Water and natural resources. Address: 910 Farrell, Kalamazoo, Mich. 49007.

RAUP, PROF. PHILIP M(ARTIN), b. Timken, Kans, Jan. 4, 14; m. 41; c. 3. AGRICULTURAL ECONOMICS. A.B. Kansas, 39; fel, Brookings Inst, 41-42; M.S., Wisconsin, 42, Ph.D.(agr. econ), 49. Chief land specialist, Off. Mil. Govt. Germany, 45-49; asst. prof. AGR. ECON., Wisconsin, 49-53; PROF., MINNESOTA, 53- Consult, Food & Agr. Orgn, UN, Italy, 60-61, mem. panel experts land tenure, 66- U.S.N.R., 42-45, Lt. Am. Econ. Asn; Agr. Hist. Soc; Am. Agr. Econ. Asn; Royal Econ. Soc. Land economics; agricultural development in underdeveloped countries; livestock marketing. Publ: Co-ed, Land tenure; auth, Agricultural taxation and land tenure reform, Agr. Taxation & Econ. Develop; Land reform and agricultural development, In: Agricultural development and economic growth, Cornell, 67. Address: 1572 Fulham St. St. Paul, Minn. 55108.

RAUSCH, DR. GEORGE JAY, JR, Mod. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

RAUSH, PROF. HAROLD L(ESTER), b. New York, N.Y., Jan. 7, 21; m. 53; c. 2. PSYCHOLOGY. A.B., Michigan, 41, M.A., 42; Ph.D., Stanford, 50. Instr. psychol., Michigan, 50-54, asst. prof. 54-56; res. psychologist, biosoc growth center, Nat. Inst. Ment. Health, 56-64; PROF. PSYCHOL., MICHIGAN, 64- U.S.A.A.F., 42-46, Sgt. Psychol. Asn. Interpersonal behavior; family development. Publ: Co-auth, Naturalistic viewpoints in psychology, Holt, 68 & The halfway house movement, Appleton, 68. Address: Dept. of Psychology, Room 7619, Haven Hall, University of Michigan, Ann Arbor, Mich. 48104.

RAUSHENBUSH, DR. CARL, b. Rochester, N.Y., Dec. 27, 00; m. 35; c. 1. ECONOMICS. A.B., Amherst Col., 22; Cornell, 22-24; Brookings Inst, 24-25; Ph.D., N.Y. Univ, 31. Instr., Cornell, 22-24; N.Y. Univ, 29-37, asst. prof. econ, 37-42; unit chief, Nat. War Labor Bd, 43-45; exec. ed, Res. Inst. Am, 46-48; ED, STATE DEPT. LABOR, N.Y., 49- Res. Inst. Labor Off, 26-27; tech. adv., Nat. Recovery Admin, 34; lectr., grad. div., Brooklyn Col., 39; City Col. New York, 56. Indust. Rel. Res. Asn. Government's relation to labor conditions; labor statistics; union problems. Publ: Freedom of association in the U.S.A.; co-auth, Labor cases and materials & Labor problems in America. Address: 935 Kimball Ave, Bronxville, N.Y. 10708.

RAUSHENBUSH, STEPHEN, b. New York, N.Y., May 12, 96; m. 36; c. 4. ECONOMICS, POLITICAL SCIENCE. B.A., Amherst Col., 17; Rennes, 18; George Washington, 39-40. Asst. prof. polit. sci., Dartmouth Col., 29-30; chief mediation serv., Commonwealth of Pa, 30-33; secy. munitions cmt, U.S. Senate, 34-36; instr., postgrad. sch., Pendle Hill, 38-39; chief compliance sect., U.S. Coal Div, 39-41; mem. staff, secy. off, U.S. Dept. Interior, 41-47; resource consult, UN, 47-49; mem. staff, Pub. Affairs, Inst, 49-62; CONSERV. EXPERT, NAT. PARKS ASN, 62- Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Conservation; labor economics; agriculture. Publ: March of fascism; Our conservation job; ed, Conservation in 1952, Ann. Am. Acad. Polit. & Soc. Sci. Address: 3503 Lowell St. N.W., Washington, D.C. 20016.

RAUTMAN, DR. ARTHUR L(OUIS), b. Wis, Feb. 7, 10; m. 36; c. 3. CLINICAL PSYCHOLOGY. B.S., Wisconsin, 34, Ph.M., 35, Ph.D.(child develop), 38. Clin. psychologist, North. Wis. Colony & Training Sch, 38-42; clin. psychologist & supvr, pub. schs, Iowa, 42-45; asst. & assoc. prof. psychol. & ed. & dir. testing & guid. serv., Carleton Col., 45-48; assoc. prof. ed. & head dept. spec. ed., Florida, 48-49; clin. psychologist, New Mexico, 49-51; CHIEF CLIN. PSYCHOLOGIST, Vet. Admin. Center, Bar Pines, Fla., 51-52, MENT. HYG. CLIN, VET. ADMIN. REGIONAL OFF, PASS-A-GRIFFE, 52- AAAS; Psychol. Asn. Psychotherapy; mental hygiene; parent-child relationships. Publ: New role for the university mental hygiene clinic, Sch. & Soc; auth, War themes in children's stories & co-auth, War themes in children's stories, II six years later, J. Psychol. Address: 2813 48th St. S, St. Petersburg, Fla. 33711.

RAVEN, PROF. BERTRAM H(ERBERT), b. Youngstown, Ohio, Sept. 26, 26; m. 61. SOCIAL PSYCHOLOGY. B.A., Ohio State, 48, M.A., 49; Ph.D.(soc. psychol), Michigan, 53. Asst. res. center group dynamics, Michigan, 49-51, res. assoc., 51-54, lectr. ed. & psychol., 53-54; Fulbright res. scholar, Nijmegen, 54-55; psychologist, syst. develop. div., Rand Corp., 55-56; asst. prof. PSYCHOL., CALIFORNIA, LOS ANGELES, 56-61, assoc. prof., 61-67, PROF., 68- Vis. prof., Hebrew Univ, Israel & Guggenheim Found. fel, 62-63. Consult, Vet. Admin. Hosps, 58- Sociol. Asn; Psychol. Asn. Small group behavior; social influence and communication. Publ: Social influence on opinions and the communication of related content, J. Abnorm. & Soc. Psychol; co-auth, Effects of varied clarity of group goal and group path upon the individual and his relationship with his group, Human Rel. & Group support, legitimate power and social influence, J. Personality. Address: Dept. of Psychology, University of California, Los Angeles, Calif. 90024.

RAVER, DR. PAUL J(EROME), Econ, see 10th ed, Soc. & Behav. Vols.

RAVICZ, PROF. ROBERT S, b. Minneapolis, Minn, Feb. 16, 21; m. 58; c. 2. ANTHROPOLOGY. A.B., Texas, 42; fel, Harvard, 53-54, A.M., 54, U.S. Dept. State scholar, 55-56, Ph.D.(anthrop), 59. Instr. anthrop., Wisconsin, 58-60; asst. prof., Texas, 60-61; assoc. prof., Ill. State Norm. Univ, 61-63; sociol. & anthrop., Boston, 63-64; PROF. ANTHROP., SAN FERNANDO VALLEY STATE COL, 64- Univ. Wisconsin Alumni res. fel, 59-60; summer res. grant, Stanford, 60. Co-ethnographer anthrop. film, Appeals to Santiago, Sig.C., U.S.A., 43-46. Fel. Anthropol. Asn. Culture change; applied anthropology, especially in underdeveloped areas; comparative social organization and religions; solar energy research; use of film in anthropology. Publ: La Mixteca en el estudio comparativo del Hongo Alucinante, Anales Inst. Nacional de Antropología e Historia; auth, Godparental systems of Middle America & co-auth, The Mixtec Indians, In: Handbook of Middle American Indians. Address: Dept. of Anthropology, San Fernando Valley State College, Northridge, Calif. 91324.

RAVITZ, DR. MEL J(EROME), b. New York, N.Y., Jan. 7, 24; m. 49; c. 6. SOCIOLOGY. Ph.D.(sociol), Michigan, 55. Instr. sociol., Wayne State, 49-53; staff sociologist, Detroit Planning Cmn., Mich, 53-60; asst. prof. SOCIOL., WAYNE STATE, 56-61, ASSOC. PROF., 61-, COUNCILMAN, CITY OF DETROIT, 62- Fel. Sociol. Asn; Soc. Study Sociol. Probe. Social planning; urban sociology; community development. Publ: Effects of urban renewal on community racial patterns, J. Soc. Issues; Block that blight, Adult Leadership; co-auth, Jewish peer group, Am. J. Sociol. Address: 9115 Warwick, Detroit, Mich. 48028.

RAVNER, PEARL C(OOPER), Econ, see WILLIAMS, PEARL R(AVNER).

RAWIN, DR. S(OLOMON) JOHN, b. Lodz, Poland, Apr. 27, 14; Can. citizen; m. 53. SOCIOLOGY. B.A., American Univ. Beirut, 47; M.A., McGill, 62; Ph.D.(sociol), London Sch. Econ, 65. ASSOC. PROF. SOCIOL., SIR GEORGE WILLIAMS, 65- Asst. vis. prof., res. sociologist & Int. Comp. Studies res. grant, California, Berkeley, 67-68. Sociol. Asn; Can. Sociol. & Anthropol. Asn. Comparative study of social systems under conditions of industrial

development; industrial system in communist societies. Publ: The contractor in the house building industry, Can. Rev. Sociol. & Anthropol. 64; The manager in the Polish enterprise, Brit. J. Indust. Rel. 65. Address: Dept. of Sociology, Sir George Williams University, 1435 Drummond St, Montreal, Que, Can.

RAWLINGS, PROF. JOHN OREN, Statist, see Suppl. V to 11th ed, Phys. & Biol. Vols.

RAWLS, DR. HORACE D(ARR), b. Raleigh, N.C., June 10, 22; m. 43. SOCIOLOGY. B.S., N.C. State, 43, M.S., 46, fel. 48-49; North Carolina, 43-44; Ph.D. (sociol), Duke, 63. Teacher, Wake County Schs, 44-45; chief psychometrist & asst. dir, Vet. Admin. Guid. Center, N.C., 45-46; instr. SOCIOLOGY, N.C. STATE, 49-51, asst. prof., 51-58, ASSOC. PROF., 58-, dir. Ft. Bragg Br, 64-65. Vis. lectr, Duke, 65-66; vis. prof. inst. ment. retardation & intellectual develop, George Peabody Col, 66. Summer vis. assoc. prof, Wake Forest, 63. U.S. Agency Int. Develop. consult, Argentina, 64; consult, Dorethea Dix Hosp, Raleigh, N.C., 66. Res. assoc, N.C. Study Voc. Rehab, 67, part-time res. assoc, 67-68. AAAS; fel. Sociol. Asn; Nat. Rehab. Asn. Participation and factors influencing participation rates; Mental health and illness; study of organizations, particularly mental hospitals and prisons; analysis of rehabilitative organizations and processes. Publ: Cultural factors in disability, New Outlook Blind; co-auth, Standardization of an educational variable: the need and its consequences, Soc. Forces, 57-66, 65; auth, Social participation of young adults with low measured intelligence, Inst. Ment. Retardation & Intellectual Develop, Behav. Sci. Monogr, 5, 66. Address: 2306 Anderson Dr, Raleigh, N.C. 27608.

RAWLS, RACHEL FULTON, b. Winston-Salem, N.C., Feb. 9, 22; m. 43. PSYCHOLOGY. A.B., Meredith Col, 42; M.S., N.C. State, 58; fel. George Peabody Col, 65-66. Teacher, pub. schs, N.C., 42-43, 44-45, secy, dept. pub. instr, 43-44; teacher, GOV. MOREHEAD SCH, 45-49, psychologist, 49-65, DIR. RES, 65- U.S. Off. Ed. study grant, 66-67; res. assoc, Peabody Braille Reading Proj, 67- Psychol. Asn. Education of the visually and acoustically impaired. Address: 2306 Anderson Dr, Raleigh, N.C. 27608.

RAWSON, PROF. DONALD M(SES), Mid. Period Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

RAWSON, DR. HARVE E(LSE), b. Webb City, Mo, July 25, 34; m. 62; c. 2. PSYCHOLOGY. A.B., Antioch Col, 57; M.A., Ohio State, 59, Ph.D. (psychol), 61. Res. assoc. psychiat, Ohio State, 60-62; res. specialist life sci, N.A.M. Aviation, Inc, 62-63; asst. prof. PSYCHOL, HANOVER COL, 63-67, ASSOC. PROF, 67- Res. psychologist, Madison State Hosp, 64-66 & Bartholomew County Ment. Health Clin, 66-68. Nat. Sci. Found. res. fcls, Iowa, 65 & Fla. State, 67. Res. & admin. consult, Madison Consolidated Schs, 66-; res. consult, Englishman Park Estates, 67- Mem. U.S. Off. Ed. Title III Adv. Bd, Ind. & rev. cmt. undergrad. equipment grants, Nat. Sci. Found, 67. Assoc. Danforth Found, 67- Psychol. Asn. Research methodology and statistics; anxiety. Publ: Co-auth, Factor analysis as a controlling technique & Controlling the effects of clouding variables in multivariate research designs, Ed. & Psychol. Measurements, 62; The risk hypothesis in predictive judgments of unethical behavior, J. Abnorm. & Soc. Psychol, 63. Address: 1820 Crozier Ave, Madison, Ind. 47250.

RAY, DR. DAVID MICHAEL, b. St. Austell, Eng, Dec. 25, 35; m. 57; c. 3. GEOGRAPHY. B.A., Manchester, 56, cert, 57; M.A., Ottawa (Ont), 61; Ph.D. (geog), Chicago, 65. Lectr. geog, Ottawa (Ont), 56-61, asst. prof, 61-65; geogr, Spartan Air Serv. Ltd, 65-67; ASSOC. PROF. GEOG, Waterloo, 67-68; STATE UNIV. N.Y. BUFFALO, 68- Consult, Royal Cmn. Bilingualism & Biculturalism, 66; Watkins Task Force Structure Indust, Privy Coun. Can, summer, 67; Atlantic Develop. Bd, Govt. Can, 68. Can. Coun. Urban & Regional Res. res. grant indust. location, 66-67; Cent. Housing & Mortgage Corp, Govt. Can. res. grant, 68. Regional Science Asn; Asn. Am. Geog; Can. Asn. Geog. Industrial location theory, especially location, size and spacing of manufacturing branch plants in relation to their head offices, market and alternate location opportunities; impact of manufacturing on regional development. Publ: Urban growth and the concept of urban region, Methuen, 67; Market potential and economic shadow, Univ. Chicago, Geog. Res. Series, 65; Cultural differences in consumer travel behavior, Can. Geogr, 66. Address: 80 Andover Lane, Buffalo, N.Y. 14214.

RAY, DR. DELMAS D(ENNIS), b. Tompkinsville, Ky, May 22, 12; m. 36. ECONOMICS, ACCOUNTING. A.B., Western Kentucky, 36; M.B.A., Chicago, 47; Ph.D., Florida, 56. Teacher & prin, pub. schs, Ky, 36-42; asst. prof. ACCT, FLORIDA, 48-56, assoc. prof, 56-62, PROF, 62- Vis. scholar, Stanford, 67. Consult, U.S. Gen. Acct. Off, 57; State Auditing Dept, Fla, 60. Acct. Asn; Inst. Cert. Pub. Acct. Relationship of accounting data to workings of the economic system, especially business fluctuations. Publ: Accounting and business fluctuations, Univ. Florida, 60; Faculty responsibility with respect to correcting certain defects in the accountant's education, Acct. Rev, 10/57; Are accountants misstating profits?, Bus. Horizons, fall 61. Address: 3422 N.W. Seventh Place, Gainesville, Fla. 32601.

RAY, DR. DENNIS MICHAEL, b. Los Angeles, Calif, Oct. 8, 39; m. 61; c. 2. INTERNATIONAL RELATIONS. B.A., Denver, 61, Soc. Sci. Found. fcls, 61-63, Methodist fel. & M.A., 63, Grad. Sch. Int. Studies fel, 66, Ph.D. (int. rels), 67; Res. Coun. grant, Wyoming, 64-65. Asst. int. rels, Denver, 62-63; instr. soc. sci, Mich. State, 63-64; polit. sci, Wyoming, 64-66; ASST. PROF, Morningside Col, 66-68; GOVT, CALIF. STATE COL. LOS ANGELES, 68- Lectr. & cent. coordinator, five col. TV courses on Asia, 67. U.S.A.F., 57-61. Acad. Polit. & Soc. Sci; Polit. Sci. Asn; Asian Studies Asn; Int. Studies Asn. East Asian studies; national development and modernization in East Asia, especially the role of ideology in development; international politics with special reference to Asia. Address: Dept. of Government, California State College at Los Angeles, Los Angeles, Calif. 90032.

RAY, D(ONALD) P(AGE), b. Minneapolis, Minn, May 22, 16. ECONOMICS. A.B., Colorado, 41; A.M., George Washington, 47. Regional analyst, Off. War Info, Asia, 44-45; exec. dir, Nat. Acad. Econ. & Polit. Sci, 46-50; DIR. NAT. INST. SOC. & BEHAV. SCI, GEORGE WASHINGTON, 59- Fel. AAAS (secy.

sect. soc. & econ. sci, 54-62); Econ. Asn; Asn. Asian Studies. International economics and politics; social science. Publ: Co-auth, Trends in social science, Philos. Library, 62; auth, Problems of a Japanese peace settlement; United States policy in Eastern Asia. Address: 1505 28th St. S, Arlington, Va. 22206.

RAY, DR. HORACE WILMER, b. Conshohocken, Pa, Nov. 2, 32; m. 53; c. 4. PSYCHOLOGY. B.S., Pa. State, 54; M.A., Ohio State, 59, Ph.D. (psychol), 63. Assoc. fel. psychol. res, Battelle Mem. Inst, 57-65; ASST. PROF. PSYCHOL, TENNESSEE, 65- Am. Insts. Res. creative talents prog. award, 62-63. U.S.A.F., 54-56, 1st Lt. Psychol. Asn. Industrial psychology; decision making; psychological statistics and measurement; human factors in man-machine systems. Publ: Co-auth, A laboratory evaluation of the effects of electronic countermeasures on system performance, 60 & An evaluation of the effect of selected combinations of target and background coding on map-reading performance, 61, Human Factors & An operating guide for factor analysis, Battelle Spec. Report, 61. Address: Dept. of Psychology, University of Tennessee, Knoxville, Tenn. 37916.

RAY, DR. JAMES T(HOMAS), b. Oxford, Miss, Nov. 30, 22; m. 49; c. 2. EXPERIMENTAL & APPLIED PSYCHOLOGY. B.S., Tulane, 47, M.A., 48, Ph.D., 56. Res. assoc. exp. psychol, Tulane, 49-50, 53-56; appl. psychol. ops, Dunlap & Assocs, Conn, 50-51, sr. res. assoc. & res. dir, 51-53; res. specialist appl. & exp. psychol, ops, res. div, Lockheed Aircraft Corp, 56-59, assoc. scientist, Ga. Div, 59-61; dir. ed. & training dept, TRUST CO. OF GA, 61-63, v-pres, 65-66, GROUP V. PRES, 66- U.S.A.A.F., 42-44. Psychol. Asn; Ops. Res. Soc; Soc. Training & Develop. Sensation; perception; fatigue; confinement; small group behavior; selection and training; human engineering; systems design; operation research. Publ: Co-auth, Post rotational perception of apparent bodily rotation, J. Exp. Psychol; Human performance as a function of the work-rest cycle, Nat. Acad. Sci-Nat. Res. Coun. Pub; Technique of job activity description for new weapon systems: task equipment analysis. Address: Trust Company of Georgia, P.O. Box 4418, Atlanta, Ga. 30302.

RAY, JOHN R(OBERT), JR, b. Alderson, W.Va, Aug. 27, 21; m. 48. GEOGRAPHY. A.B., Indiana, 54, M.A., 55; Fla. State, 56. Asst. prof. GEOG, Miami (Fla), 55-64; ASST. PROF. & ACTING CHMN. DEPT, WRIGHT STATE, 64- U.S.A., 42-46. Asn. Am. Geog; Geog. Soc. Cultural and physical geography; conservation. Publ: Co-auth, Problems in world cultural geography, 2nd ed, Laboratory exercises in physical geography, 2nd ed, Brown, 67 & Resource conservation in the United States. Address: Dept. of Geography, Wright State University, Dayton, Ohio 45431.

RAY, DR. J(OSEPH) J(AMES), b. Xenia, Ohio, Feb. 10, 94; m. 20; c. 2. PSYCHOLOGY. B.D., Yale, 24; B.A., YMCA Grad. Sch, 31; M.A., George Peabody Col, 34, Ph.D. (exp. psychol), 36. Prof. admin. & psychol, YMCA Grad. Sch, 30-36; assoc. prof. psychol. & chmn. arts div, George Peabody Col, 36-42; sr. reviewer & negotiations officer, U.S. Civil Serv. D.C., 42-44; indust. psychologist & dir. training, GENESCO, Inc, 44-59; mgt. consult, Lee Davis & Assocs, Inc, 59-61; INDUST. MGT. CONSULT, 61- Instr. Tennessee State, 61-64. Voc. consult, bur. hearings & appeals, Soc. Security Admin, 63- Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.A., 18, Lt. Fel. Psychol. Asn. Industrial psychology. Publ: Constructive activity as a process in learning; Generalizing ability of dull, bright and superior children. Address: The Anchorage, Hendersonville, Tenn. 37075.

RAY, PRES. JOSEPH M(ALCHUS), b. Bowling Green, Ky, Oct. 14, 07. POLITICAL SCIENCE. A.B., Texas, 32, A.M., 33, Ph.D., 37. Assoc. prof. N.Tex. State Col, 37-42; assoc. prof. polit. sci. & asst. dir. bur. pub. admin, Alabama, 42-46; prof. govt. & polit, Maryland, 46-52, head dept, 46-50, dean col. spec. & continuation studies, 50-52; chief ed. & libraries br, U.S. Dept. Air Force, 52-57; pres, Amarillo Col, 57-60; TEXAS, EL PASO, 60-68, H.Y. BENEDICT PROF. & PRES. EMER, 68- Lectr., American Univ, 49. Polit. Sci. Asn; Soc. Pub. Admin. Public administration; American government; international relations. Publ: Alabama's state dollar; Maryland fiscal scene; co-auth, Alabama's heritage. Address: University of Texas at El Paso, El Paso, Tex. 79999.

RAY, PROF. OAKLEY S(TERN), b. Altoona, Pa, Feb. 6, 31; m. 53; c. 4. PSYCHOLOGY. B.A., Cornell, 52; M.Ed., Pittsburgh, 54, Ph.D. (psychol), 58. Lectr. psychol, PITTSBURGH, 57-65, asst. prof. pharmacol, 59-65, ASSOC. PROF. PSYCHOL. & PHARMACOL, 65- Lectr., Chatham Col, 58-59, assoc. prof, 67-; U.S. Pub. Health Serv. fel, Vet. Admin. Res. Lab. Neuropsychiat, 58-59, suprvy. res. psychologist, 59-, chief, psychol. res. labs, Vet. Admin. Hosp, 62- Psychol. Asn; Col. Neuropsychopharmacol; Soc. Pharmacol. & Exp. Therapeut; Behav. Pharmacol. Soc; Psychonomic Soc; Int. Neuropsychol. Soc. Psychopharmacology; physiological and biochemical bases of behavior. Address: 1168 Murray Hill Ave, Pittsburgh, Pa. 15217.

RAY, DEAN ROBERT F, b. Davenport, Iowa, Mar. 29, 22; m. 47; c. 2. SPEECH, SOCIAL SCIENCE. B.A., Coe Col, 44; M.A., Iowa, 45, Ph.D., 47. Sr. res. analyst, govt. finance, State Div. Budget, N.Y., 47-49; dir. govt. res. inst. pub. affairs, IOWA, 49-68, DEAN div. spec. serv, 61-65, DIV. EXTEN. & UNIV. SERV, 65- Dir., Iowa Center Ed. in Polit, 55-65; adminstr, Iowa Community Serv, Title I, Higher Ed. Act, 66-; chmn, Iowa Ed. TV Bd, 67- Exam-consult, N.Cent. Asn, 61- Polit. Sci. Asn; Univ. Exten. Asn. (treas, 67-). Higher education; government and politics; community development. Publ: Contrib. American public address: auth, Permanent personal registration of electors. Address: Division of Extension & University Services, University of Iowa, Iowa City, Iowa 52240.

RAY, DR. THOMAS SHELBY, b. Gould, Okla, Dec. 12, 20; m. 47; c. 2. PSYCHOLOGY. B.A., Oklahoma, 49, M.S., 50, Ph.D. (psychol), 61; Colorado, 53-54. Instr. psychol. sch. nursing, Oklahoma, 53-54, Vet. Admin. voc. counsr, guid. serv, 56; intern, Cent. State Hosp, Norman, Okla, 55-56; clin. psychologist, Okla. State Health Dept, 56-57; asst. prof. psychiat, med. center & chief psychologist, exp. therapeut. unit, 57-66, asst. prof. psychol, 61-66; DIR. TRAINING & RES. FLA. DIV. MENT. HEALTH, 66- Vis. prof, Florida State, 66- U.S.A., 40-46, 50-53, Capt. AAAS; Psychol. Asn; Soc. Psychophysiol. Res; Acad. Psychother. Schizophrenia; psychopharmacology; ef-

fects of early experience on adult behavior; evaluation of effectiveness of mental health services; psychophysiology. Publ: Chlorpromazine in chronic schizophrenia, differential effects, *J. Nerv. & Ment. Disease*, 64; co-auth. Behavior style categories of chronic schizophrenic women, *Arch. Gen. Psychiat.*, 65 & Muscular effort and electrodermal responses, *J. Exp. Psychol.*, 66. Address: Florida Division of Mental Health, 124 W. Pensacola, Tallahassee, Fla. 32301.

RAY, DR. TOM B(ROOKS), b. Wharton, Tex, Apr. 5, 25; m. 57; c. 3. PSYCHOLOGY. B.A., Texas, 48, Ph.D.(psychol), 53. Clin. psychologist, VET. ADMIN. HOSP., Waco, Tex, 53-57, CHIEF PSYCHOLOGIST, SHREVEPORT, LA, 57- Lectr, Baylor, 54-57. Consult, Family & Childrens Serv, 59- U.S.A, 43-45. Psychol. Asn. Psychotherapy; projective techniques; group functioning. Address: Veterans Administration Hospital, Shreveport, La. 71101.

RAY, PROF. VERNE F(REDERICK), b. Enfield, Ill, Mar. 13, 05; m. 27, 55; c. 1. ANTHROPOLOGY. B.A., Washington (Seattle), 31, M.A., 32; Ph.D. (anthrop), Yale, 39. Asst. Washington (Seattle), 30-32, assoc. anthrop, 32-36, from instr. to assoc. prof, 37-46, prof, 47-66, assoc. dean grad. sch, 48-51; ANTHROP. CONSULT, 66- Dir. emergency conserv. prog. Indian Serv, U.S. Dept. Interior, 33; asst. to ed. Am. Anthropol, 36-37; vis. asst. prof, N.Y. Univ, 39; vis. assoc. prof, California, 46; vis. prof, California, Los Angeles, 48; Yale, 51-54; res. dir. Human Rel. Area Files, Inc, Conn, 51-54. U.S.C.G.R., 42-45. Fel. Anthropol. Asn; Ethnol. Soc.(pres, 54-56; ed, pubs, 56-61). Indian cultures of Western America; ethnology and social anthropology; human sensory perception; ethnohistory. Publ: Lower Chinook ethnographic notes; Cultural relations in the plateau of Western America; Primitive pragmatists: the Modoc Indians of Northern California, Univ. Washington Press, 63. Address: 1908 Que St. N.W., Second Floor, Washington, D.C. 20009.

RAY, PROF. WILBERT S(COTT), b. Rochester, Pa, July 21, 01; m. 28; c. 2. PSYCHOLOGY. A.B. Washington & Jefferson Col, 23; M.A., Wisconsin, 29, Ph.D.(psychol), 30. Asst. psychol, Wisconsin, 29-30; clin. child develop, Yale, 30-31; clin. psychologist, N.J. State Hosp, Trenton, 31-37; prof. psychol, Hillsdale Col, 37-44; assoc. prof, Adelphi Col, 44-45; instr. U.S. Army Univ.(Eng), 45; asst. prof, Trinity Col, 46-51; res. psychol, skill components res. lab, U.S. Air Force Personnel & Training Res. Center, Tex, 51-56; PROF. PSYCHOL. & CHMN. DEPT, BETHANY COL.(W.VA.), 56- Vis. prof, Reading, 62-63; Michigan, summer 60. Consult, Nat. Sci. Found., 65, 66. Fel. AAAS: fel. Am. Psychol. Asn; fel. Brit. Psychol. Soc. Human problem solving. Publ: A laboratory manual for social psychology, Am. Book Co, 51; The experimental psychology of original thinking, Macmillan, 67; Problem solving. Address: Dept. of Psychology, Bethany College, Bethany, W.Va. 26032.

RAY, DR. WILLIAM S(AMUEL), Psychol, see 10th ed, Soc. & Behav. Vols.

RAYFIELD, DR. JOAN RACHEL, b. Nottingham, Eng, Feb. 26, 19; m. 41; c. 3. ANTHROPOLOGY, LINGUISTICS. B.A., London, 49; M.A., Toronto, 55; Ph.D. (anthrop), California, Los Angeles, 61. Teaching asst. anthrop, California, Los Angeles, 56-58; prof. Goddard Col, 59-61; from asst. prof. to ASSOC. PROF., San Fernando Valley State Col, 61-67; SOCIOL. & ANTHROP, YORK (ONT), 67- Anthropol. Asn. Bilingualism, its linguistic and social aspects. Publ: The languages of a bilingual community. Mounton & Co, 68. Address: Dept. of Sociology, York University, Toronto 12, Ont, Can.

RAYGOR, DR. ALTON L(AMON), b. Erie, Pa, Nov. 5, 22; m. 44; c. 3. PSYCHOLOGY. A.B., Toledo, 48; M.A., Michigan, 51, Ph.D., 57. House dir. Int. House & asst. div. tests & measurements, bur. psychol. servs, Michigan, 51-53, asst. reading improv. servs, univ. & instr. reading improv. exten. serv, Michigan, 53-55; instr. & sr. student personnel worker, ed. skills clin. STUDENT COUNSELING BUR, MINNESOTA, MINNEAPOLIS, 55-57, asst. prof, 57-59, assoc. prof, 59-64, PROF. 64-, COORDINATOR READING & STUDY SKILLS CENTER, 59- Summers, lectr, Toledo, 48, instr. 51. Mem. res. adv. cmt. Nat. Reading Res. Found., 61-62. U.S.A.A.F. 42-45, Sgt. Psychol. Asn; Personnel & Guid. Asn. Research and development in college and adult reading; counseling and human learning, especially on programmed learning. Publ: Counseling in the reading program; Measurement in reading; College reading improvement and personality change, *J. Counseling Psychol.* Address: 101 Eddy Hall, University of Minnesota, Minneapolis, Minn. 55455.

RAYHAWK, DR. ARTHUR LOUIS, b. Pueblo, Colo, Sept. 1, 04; m. 31; c. 9. MARKETING, MANAGEMENT. A.B., Regis Col, 25; Knights of Columbus fel, Catholic Univ, 27-32, M.A., 27, Ph.D.(econ), 32. Jr. indust. economist, U.S. Dept. Labor, 29-31, Mich. State dir. cost of living surv, 35, nat. dir. bldg. permits surv. in 880 cities, 36-37; instr. econ, Duquesne, 31-35, prof. bus. admin, 35-36, prof. mgt. & head dept, 37-42, dir. bur. bus. & econ. res, 32-42; asst. chief gen. statist. staff, War Prod. Bd, 42-45; prin. & owner, consult. in mgt, Rayhawk Assocs, 45-48; assoc. prof. mkt. & dir. bur. bus. & econ. res. St. Louis, 48-51; dir. mat. acct. staff, Off. Defense Mobilization, 51-53; prof. mgt. & dir. bur. bus. & econ. res, Georgia, 53-54; suprvy. mgt. engr, Nat. Security Agency, 54-59; prof. mkt, American Univ, 59-61, dir. first energy inst, 60; prin. & owner, consult. in mgt, 61-64; PROF. MKT, LOYOLA (LA), 64-, CHMN. DEPT, 67- Mkt. Asn. Marketing research; management simulations and analyses; management controls. Publ: Ed. Facts for indust. series, U.S. Dept. Commerce, 43-45; auth. The controlled materials plan, 1951-53, Off. Defense Mobilization, 53. Address: College of Business Administration, Loyola University, Box 164, New Orleans, La. 70118.

RAYMAKER, PROF. CONSTANCE L(UISE), b. Green Bay, Wis, Aug. 12, 98. ECONOMICS. B.A., Lawrence Col, 27; M.A., Northwestern, 29, fel. 28-30, Ph.D., 33. From instr. to prof, ECON, Ripon Col, 33-43; prof. West. Col, 45-47; from assoc. prof. to prof, MacMURRAY COL, 47-63, EMER. PROF., 63- Mem. staff, War Food Admin, 43-45. Econ. Asn; Indust. Reels. Res. Asn. Labor economics; government and industry. Address: 332 Jacobs Court, West De Pere, Wis. 54718.

RAYMAKER, DR. HENRY, JR., b. Birmingham, Ala, May 12, 27; m. 52; c. 1. CLINICAL PSYCHOLOGY. A.B., Howard Col, 49; Ph.D.(clin. psychol), Vanderbilt, 56. Asst. prof. psychol, Howard Col, 53-54; psychologist, Pub. Health Dept, Fulton County, 54-55; clin. psychologist, 56-61; clin. & counseling psychologist, Vet. Admin. Hosp, Tuscaloosa, Ala, 61-64, CHIEF PSYCHOL. SERV, VET. ADMIN. CENTER, 64- Trainee, voc. rehab. workshop, Miami (Fla), 58. Chief State Pub. Health Dept, Ga, 56-58, consult. crippled children div, 56-61; Div. Voc. Rehab, Ga, 56-61; Easter Seal Soc, 59-60; except. children prog, State Dept. Ed, 66- U.S.N.R., 45-46. Psychol. Asn. Relationships between self concept and self ideal concept discrepancies and measures of maladjustment; normative studies of hospitalized veteran populations. Address: Psychology Service, Veterans Administration Center, Dublin, Ga. 31021.

RAYMOND, CHARLES WYATT, b. Woodstock, N.B, Aug. 10, 29; m. 66; c. 2. GEOGRAPHY. B.A., McGill, 51, Cent. Mortgage & Housing Corp. fel, 54, M.A., 56; Mira Hershey Mem. fel, California, Los Angeles, 52. Geogr, geogr. br, Dept. Mines & Tech. Surv, Ottawa, 56-63; asst. prof. geog, Memorial Univ, 63-65; GEOGR. POLICY & PLANNING BR, DEPT. ENERGY, MINES & RESOURCES, OTTAWA, 65- Can. Asn. Geog. Rural development and land use adjustment in the Canadian maritime provinces; tourist development in eastern Nova Scotia. Publ: Co-auth. Land utilization in Prince Edward Island. Geog. Memoir 9, Dept. Mines & Tech. Surv, Queen's Printer, Can, 63. Address: Dept. of Energy, Mines & Resources, P.O. Box 247, Truro, N.S. Can.

RAYMOND, DR. ELLSWORTH LESTER, b. Ft. Ann, N.Y, May 8, 12; m. 42; c. 2. POLITICAL SCIENCE, ECONOMICS. A.B., Michigan, 33, M.A., 35, Am. Coun. Learned Soc. fel, 37, Ph.D.(Russian hist), 52; fel, Stanford, 48. Res. analyst, U.S. Embassy, U.S.S.R., 38-43; chief sect. U.S.S.R. econ, U.S. Mil. Intel, 44-46; res. dir, soviet propaganda, Cent. Intel. Group, 47; HEAD PROG. RUSSIAN AREA STUDIES, N.Y. UNIV, 49-, dir. polit. sci, Peace Corps training, 66. Proj. dir, U.S. Army, 54-55; Ford teaching fel, Geneva, 61-62; N.Y. State fel. Near East, 63. Consult, Radio Free Europe, 53-54. Soviet agriculture, industry, propaganda, peacetime preparation for future war, foreign policy and treatment of its racial minorities; world communist disputes. Publ: Co-auth. & transl, Industrial management in the USSR, Pub. Affairs, 50; auth, Soviet economic progress, because of or in spite of the government, Holt, 57 & 62; The Soviet state, Macmillan, 68. Address: Dept. of Politics, New York University, New York, N.Y. 10003.

RAYMOND, DR. GEORGE A, b. New York, N.Y, Dec. 10, 39; m. 63; c. 1. PSYCHOLOGY. B.Sc., Trinity Col. (Conn), 62; Sc.M., Brown, 65, Ph.D.(psychol), 68. ASST. PROF. PSYCHOL, BRITISH COLUMBIA, 68- Aversive control of behavior; punishment; escape; avoidance. Publ: Co-auth, Temporal relationship between response and punishment, *J. Exp. Psychol.*, 67, influence of the schedule of positive reinforcement on punished behavior, 67 & Response suppression as a function of intensity and duration of a punishment, 67, *J. Comp. & Physiol. Psychol.* Address: Dept. of Psychology, University of British Columbia, Vancouver 8, B.C., Can.

RAYMOND, DR. ROBERT HUGH, b. Norfolk, Nebr, Apr. 12, 23; m. 45; c. 3. ACCOUNTING, FINANCE. B.Sc., Nebraska, 46, M.A., 59; Ph.D.(acct), Mich. State, 64. Staff acct, Philip G. Johnson & Co, 46-48; cert. pub. acct, S.Dak, 48-51; dist. acct. dir, Off. Price Stabilization, 51-52; staff acct, Hanson Co, 52-55; instr. bus, Dana Col, 55-57; ACCT. & FINANCE, Midland Col, 57-58; NEBRASKA, LINCOLN, 58-64, asst. prof, 64-66, ASSOC. PROF. 66-, CHMN. DEPT. ACCT. 68- Summer fel, Am. Risk & Ins. Asn, 67. U.S.A., 43-45. Inst. Cert. Pub. Acct; Am. Acct. Asn; Nat. Asn. Acct; Finance Asn. Development of accounting principles; insurance accounting. Publ: Life insurance company vs. traditional financial statements, *J. Accountancy*, 12/65; History of the flexible budget, *Mgt. Acct.*, 8/66; Impact of EDP on auditing, *Nebr. CPA Mag.*, spring 67. Address: College of Business Administration, University of Nebraska, Lincoln, Nebr. 68508.

RAYNAULD, DR. ANDRE, b. Quebec, Que, Oct. 20, 27; m. 51; c. 4. ECONOMICS. B.A., Montreal, 48, M.A., 51; D. Univ. Paris, 54. Asst. prof. econ, Montreal, 54-58, assoc. prof, 58-66, prof, 66, head dept, 58-67; ECON. ADV. DEPT. FINANCE, CAN. 67- Head UNESCO Mission, Africa, 61. Dir. Can. Broadcasting Corp, 64-67; mem, Econ. Coun. Can, 65. Co-ed, Can. J. Econ, 66- Am. Econ. Asn; Can. Econ. Asn; Soc. Sci. Res. Coun. Can; Can. Soc. Econ. Sci.(pres, 67-68); Royal Soc. Can. Money and banking; economic growth. Publ: *Croissance et structure économiques de la Province de Quebec*; Situation et perspectives de l'enseignement en haute-volta; The Canadian economic system, Macmillan, 67. Address: University of Montreal, P.O. Box 6128, Montreal 3, Que, Can.

RAYNER, DR. JOHN NORMAN, Geog, Climat, see Suppl. V to 11th ed, Phys. & Biol. Vols.

RAZA, DR. M. ALI, b. Gujranwala, Pakistan, Mar. 1, 30; U.S. citizen; m. 66. BUSINESS ADMINISTRATION, INDUSTRIAL RELATIONS. B.A., Panjab, Pakistan, 53, LL.B., 55; M.B.A., Washington (Seattle), 59; Ford Found. fel. & D.B.A., Oregon, 62. Attorney, Pakistan, 55-56; instr. bus. law, sch. bus. admin, Oregon, 59-61; vis. asst. prof, grad. sch. bus. admin, California, Los Angeles, summer 61, asst. prof. indust. rels. & bus. law, 62-68, univ. intramural res. grant, 65 & summer 67; ASSOC. PROF. SCH. BUS. ADMIN, CALIF. STATE COL, SACRAMENTO, 68- Indust. Reels. Res. Asn; Bus. Law Asn; Acad. Polit. & Soc. Sci; Int. Soc. Labor & Social Reels. Comparative industrial relations systems, especially comparative public labor policies and social legislation in underdeveloped countries. Publ: The industrial relations system of Pakistan, Bur. Labour Pub, Pakistan, 63; Emerging Trends in public labor policies and union-government relations in Asia and Africa, Calif. Mgt. Rev, spring 67; Aspects of public labour policy in Pakistan, Brit. J. Indust. Reels, summer 67. Address: School of Business Administration, California State College, Sacramento, Calif. 95819.

RAZRAN, PROF. GREGORY, Psychol, see 11th ed, Phys. & Biol. Vols.

- REA, DR. K(ENNETH) J(OHN), b. Saskatoon, Sask, Nov. 1, 32; m. 61. **POLITICAL ECONOMY.** B.A. Saskatchewan, 54, M.A. 55; Sanderson fel. London Sch. Econ, 56-57, Soc. Sci. Res. Coun. grant, 57-58, Can. Coun. award, 58-59, Ph.D. 59. Instr. ECON, Saskatchewan, 55-56, spec. lectr, 59-61, asst. prof, 61-64, ASSOC. PROF, 64-68; TORONTO, 68- Can. Econ. Asn. Problems of economic development in the Canadian north; economic policies of the government of Saskatchewan. Publ: The political economy of the Canadian north, Univ. Toronto, 68; The problems of economic development in the Canadian Arctic, Queen's Quart, spring 64. Address: Dept. of Political Economy, University of Toronto, Toronto, Ont, Can.
- READ, PROF. MARY JO, b. Pella, Iowa, Feb. 2, 11. **GEOGRAPHY.** B.A., Iowa State Teachers Col, 31; M.S. Chicago, 32; Ph.D.(geog, hist), Wisconsin, 42. Teacher, pub. sch, Iowa, 33-36; supvr. practice teaching, Wis. State Col. La Crosse, 36-37, teacher GEOG, Wis. State Col. Milwaukee, 40-43; asst. prof, Washington (Seattle), 43-45; PROF, Wisconsin, Milwaukee, 45-65; EASTERN ILLINOIS, 65- Asn. Am. Geog; Asn. Latin Am. Studies. Water supplies of Yucatan, Mexico; motor roads of Mexico; population study of Wisconsin, 1830-1860. Publ: Co-ed, Selected bibliography of articles dealing with the use of still pictures in classroom teaching. Address: 704 Taft St, Charleston, Ill. 61920.
- READING, DR. ANTHONY JOHN, b. Sydney, Australia, Sept. 10, 33; m. 61; c. 2. **PSYCHIATRY.** M.B. B.S. Sydney, 57; M.P.H. Hopkins, 61, Sc.D. (ethology), 64. House officer, Sydney Hosp, 57-58; gen. practice, 59-60; instr. ment. hyg, HOPKINS, 62-65, asst. prof. pathobiol, 64-65, LECTR. PATHOBIOL. & ASST. RESIDENT FEL. PSYCHIAT, 65- Co-prin. investr. Nat. Insts. Health res. grant, 62-65. Consult, Health Dept, Dorchester County, Md, 67- Royal Australian Air Force, 51-63, Flight Lt. AAAS; Animal Behavior Soc; Psychiat. Asn. Human and animal behavior; evolution of behavior; social and cultural determinants of behavior; mental illness; operant psychology. Publ: Effects of maternal environment on the behavior of inbred mice, J. Comp. & Physiol. Psychol, 66; Influence of room temperature on the growth of inbred mice, 66 & Effects of parity and litter size on the birth weights of inbred mice, 66, J. Mammal. Address: Dept. of Psychiatry, Johns Hopkins University, 601 N. Broadway, Baltimore, Md. 21205.
- REAGAN, PROF. BARBARA BENTON, b. San Antonio, Tex, May 31, 20; m. 41; c. 2. **ECONOMICS.** B.S. Texas, Austin, 41; M.A. American Univ, 46; M.A. Harvard, 49, Ph.D.(econ), 52. Jr. prfnl. asst, U.S. Dept. Agr, 42-43, economist, farm. serv. admin, 43-45, bur. agr. econ, 45-47, sr. proj. leader consumption econ, agr. res. serv, 49-55; PROF. consumer econ, Texas Woman's Univ, 59-66; STATIST, SOUTHERN METHODIST, 66- Mem. econ. res. adv. cmt. to U.S. Secy. Agr, 65-; adv. cmt, agr. policy inst, N.C. State Univ, 65-; agr. adv. cmt. to bd. dirs. & pres, Texas A&M, 67-; adv. coun, U.S. Food & Drug Admin, D.C, 68- Econ. Asn; Statist. Asn; Home Econ. Asn. Consumer behavior; consumption economics; levels of living; farm labor; income and expenditures. Publ: Co-auth, Free market versus controlled prices in American Agriculture, Southwest. Soc. Sci. Quart, 59; auth, Consumer economics and the definition of poverty, J. Home Econ, 67; The consumer point of view, In: Competition in food marketing, N.C. State Univ, 67. Address: Dept. of Statistics, University College, Southern Methodist University, Dallas, Tex. 75222.
- REAGAN, PROF. MICHAEL D(ANIEL), b. New York, N.Y., Mar. 12, 27; m. 51; c. 4. **POLITICAL SCIENCE.** A.B. Col. Holy Cross, 48; fel. Princeton, 54-55, M.A. 56, Ph.D. 59. Instr. polit. sci, Princeton, 55-56; Ford teaching intern, Williams Col, 56-57, instr. polit. sci, 56-59, lectr, 59-60; vis. asst. prof. polit, Princeton, 60-61; asst. prof. POLIT. SCI, Syracuse, 61-63, assoc. prof, 63-64; PROF. CALIFORNIA, RIVERSIDE, 64- Res. grants, Soc. Sci. Res. Coun. & Nat. Sci. Found, 67-68. Consult, off. policy & planning studies, Nat. Sci. Found, 65- U.S.M.C, 45-46, 50-51, Sgt. AAAS; Polit. Sci. Asn. Government and economic life; government and science; public policy formation processes. Publ: The managed economy, Oxford Univ, 63; ed, Politics, economics and the general welfare, Scott, 65; auth, Project Mohole, In: Inter-university case program, Bobbs, 68. Address: Dept. of Political Science, University of California, Riverside, Calif. 92502.
- REAGAN, PROF. SYDNEY C(HANDLER), b. Ft. Smith, Ark, Jan. 7, 16; m. 46; c. 2. **ECONOMICS, BUSINESS ADMINISTRATION.** B.B.A. Texas, 37, LL.B. 41; American Univ, 44-47; M.P.A. Harvard, 49, Ph.D.(econ), 54. Economist, U.S. Dept. Agr, 41-55; PROF. REAL ESTATE & CHMN. DEPT, SOUTHERN METHODIST, 55-, PROF. ECON, 56-, DIR. INST. URBAN STUDIES, 68- AAAS; Nat. Asn. Bus. Econ; Econ. Asn; Regional Sci. Asn; Real Estate & Urban Econ. Asn; Agr. Econ. Asn. Regional and urban economics; real estate; industrial organization; public policy. Publ: The economy of the central business district of Dallas, Southern Methodist, 61; co-auth, Economic feasibility of proposed lake shore road in Malawi, Surv. & Res. Corp, 65 & Free market versus controlled prices in American agriculture, In: Capitalism, socialism and central planning, Houghton, 63. Address: School of Business Administration, Southern Methodist University, Dallas, Tex. 75222.
- REAGEN, DR. EDWARD P(AUL), b. Girard, Ohio, Nov. 4, 24; m. 44; c. 1. **ECONOMICS.** A.B. Western Reserve, 49, A.M. 50; Edwards fel, Indiana, 55-56, Ph.D. 57. Asst. prof. ECON, Washington & Jefferson Col, 56-60; ASSOC. PROF. SKIDMORE COL, 60- U.S.A.A.F, 43-46. Econ. Asn. Economics of the China and earthenware dinnerware industry; social control of industry; monetary theory. Publ: Fiscal problems and economic growth, In: Trends in economics, Univ. Pittsburgh, 60; Social balancing in an affluent economy, fall 61 & Automation, unemployment, and the right to income, fall, 64, Topic. Address: Dept. of Economics, Skidmore College, Saratoga Springs, N.Y. 12866.
- REAM, NORMAN J, b. Aurora, Ill, June 20, 12; m. 52; c. 4. **BUSINESS FINANCE.** B.S. Illinois, 34. Acct. Pure Oil Co, Ill, 34-42; sr. consult, Touche Niven & Co, 42-43; consult, George Fry & Assoc, 43-47; dir. acct. res. Int. Bus. Mach. Corp, N.Y., 47-50; asst. to treas, Lever Bros. Co, 50-53; dir. sys. planning, Lockheed Aircraft Corp, 53-65; dir, center computer sci. & tech, nat. bur. standards, U.S. Dept. Commerce, 65-66; SPEC. ASST. TO SECY. NAVY, U.S. DEPT. NAVY, 66- Periodic guest lectr, Japan, 62-66. Mem. U.S. del. UN. Conf. Appln. Sci. & Tech. for Benefit of Less Developed Areas, Geneva, 63. Mgt. Asn; Am. Acct. Asn; Inst. Mgt. Sci; Inst. Elec. & Electronics Eng. New and more useful theories and concepts of management; relationship of underlying disciplines of behavioral sciences, mathematics, statistics and economics to the art of management. Publ: The need for compact management intelligence, In: Management control systems; Management planning considerations in the adaptations of electronic data processing systems to agency activities, Proc. Inaugural Meeting, Inter-Am. Center Tax Adminstr, 68; The state of information retrieval & data processing in the year 2000 & its implications for management, In: Management 2000, Am. Found. Mgt. Res, Inc, 68. Address: Room 4E777, The Pentagon, Washington, D.C. 20350.
- REARDEN, DR. JOHN JOSEPH, b. Reading, Pa, Oct. 16, 30; m. 55; c. 4. **EDUCATIONAL PSYCHOLOGY.** B.S.Ed, Kutztown State Col, 53; M.Ed, Temple, 58; Ph.D.(ed. psychol), Okla. State, 64. Teacher, elem. schs, Pa, 55-60; asst. prof. PSYCHOL, Kans. State Col. Pittsburg, 63-64; ASSOC. PROF, SOUTHEAST MO. STATE COL, 64- U.S.N, 53-55. Psychol. Asn. Human learning; programmed instruction. Publ: Co-auth, Age, Meaningfulness and ability in single trial learning, Psychol. Reports, 66. Address: 439 Marie, Cape Girardeau, Mo. 63701.
- REATH, PROF. RICHARD F(ROST), b. Milton, Ore, June 14, 16. **POLITICAL SCIENCE.** A.B. Pacific, 38; Washington (Seattle), 38-39; Ph.D., Wisconsin, 44. Instr. POLIT. SCI, Idaho, 46-47; asst. prof, OCCIDENTAL COL, 47-50, assoc. prof, 50-53, PROF, 53-, CHMN. DEPT, 68-, CHMN. DIV. SOC. SCI, 61-, acting chmn. dept. polit. sci, 50-51, 55-56, chmn. dept. hist. of civilization, 49-50, dir. summer session, 50-58. Fund for Adv. Ed. faculty fel, 53-54. Polit. Sci. Asn. Address: Dept. of Political Science, Occidental College, Los Angeles, Calif. 90041.
- REBELSKY, DR. FRED A(OLD), b. New York, N.Y., Mar. 11, 31; m. 56; c. 1. **CHILD PSYCHOLOGY.** A.B. Chicago, 50, M.A. 53; Ph.D.(psychol, human develop), Radcliffe Col, 61. Therapist clin. psychol, Chicago, 52-55; proj. supvr, Weiss & Geller, Inc, Ill, 54-56; Kenyon & Eckhardt, Inc, N.Y., 56-58; asst. human develop, Harvard, 59-60, asst. psychol, 60-61; res. assoc, Aphasia, Mass. Inst. Tech, 61-62; ASSOC. PROF. CHILD PSYCHOL, BOSTON, 62- Res. assoc, Child Develop. Center, N.Y., 58; co-investr, U.S. Off. Ed. res. grant, 64-65; vis. lectr, Utrecht, 65-67. Soc. Res. Child Develop; Psychol. Asn. Environment of infant in first three months; language development; conscience development; effect of stimulation on later development. Publ: The development of children's thinking, In: Guidance in American education background and prospects, 64; Infancy in two cultures, Netherlands Tijdschrift Psychologie, 67; Language development: the first four years, In: Infancy and early childhood, Macmillan, 67. Address: Dept. of Psychology, Boston University, 111 Commington St, Boston, Mass. 02215.
- REBER, DR. ARTHUR S, b. Philadelphia, Pa, Mar. 11, 40; m. 63; c. 1. **PSYCHOLOGY.** B.A. Pennsylvania, 61; M.A. Brown, 65, Ph.D.(psychol), 66. ASST. PROF. PSYCHOL, BRITISH COLUMBIA, 66- Psychol. Asn. Human and probability learning; psycholinguistics, especially language learning. Address: Dept. of Psychology, University of British Columbia, Vancouver 8, B.C., Can.
- REBOUSSIN, DR. ROLAND, b. West Point, N.Y., Jan. 6, 35; m. 57; c. 2. **SOCIAL PSYCHOLOGY.** B.A. Swarthmore Col, 56; M.A. Kansas, 63, U.S. Pub. Health Serv. fel, 63-65, Ph.D.(psychol), 65. Instr. PSYCHOL, BELLOIT COL, 65-66, ASST. PROF, 66-, COL. EXAM, 67- U.S.N.R, 57-60, Lt. Psychol. Asn; Sociol. Asn. Person perception; person-group relationships. Publ: Co-auth, Achievement motivation in Navaho and white students, Am. Anthropologist, 66. Address: Dept. of Psychology, Beloit College, Beloit, Wis. 53511.
- RECHETNICK, DR. JOSEPH, Psychol, see 10th ed, Soc. & Behav. Vols.
- RECHTSCHAFFEN, PROF. ALLAN, b. New York, N.Y., Dec. 8, 27. **PSYCHOLOGY.** B.S.S. City Col. New York, 49, M.A. 51; Ph.D.(psychol), Northwestern, 56. Clerk psychol, State Training Sch. Boys, N.Y., 49; intern, Cleveland State Hosp, Ohio, 50-51; staff psychologist, Fergus Falls State Hosp, Minn, 51-53; trainee clin. psychol, Vet. Admin. Hosp, Downey, Ill, 54-56, res. psychologist, neuropsychiat. res. lab, Vet. Admin. West Side Hosp, Chicago, Ill, 56-57; instr. PSYCHOL, CHICAGO, 57-58, asst. prof, 58-63, ASSOC. PROF, 63- Lectr, Northwestern, 56-57. Asn. Psychophysiol. Study Sleep. Sleep and dreams. Publ: Co-auth, Effect of visual stimuli on dream content, 65 & Auditory awakenings thresholds in REM and NREM sleep stages, 66, Perceptual & Motor Skills; co-auth, Studies on the relation of narcolepsy, cataplexy, and sleep with low voltage random of EEG activity, In: Sleep and altered states of consciousness, Williams & Wilkins, 67. Address: Sleep Lab, 5741 S. Drexel Ave, Chicago, Ill. 60637.
- RECHTSCHAFFEN, PROF. EVALYN F(INN) SEGAL, Psychol, see SEGAL, DR. EVALYN F(INN).
- RECKLESS, PROF. WALTER C, b. Philadelphia, Pa, Jan. 19, 99; m. 30; c. 1. **SOCIOLOGY, CRIMINOLOGY.** B.A. Chicago, 21, Soc. Sci. Res. Coun. grant, 22-24, Ph.D.(sociol), 25. Instr. & res. asst. sociol, Chicago, 22-24; from asst. prof. to assoc. prof, Vanderbilt, 24-40; PROF. criminol. & corrections, OHIO STATE, 40-58, SOCIOL. & CRIMINOL, 58-, DEVELOP. FUND RES. GRANT CRIME & DELINQUENCY, 56-, OFF. RES. GRANT CRIME & DELINQUENCY, 60- Soc. Sci. Res. Coun. summer res. grants, 29-31; vis. prof, Michigan, 40; UN tech. assistance adminstr, India, 51-52; guest lectr, Münster, 60. Mem. prfnl. coun, Nat. Coun. Crime & Delinquency, 64-; bd. dirs, Joint Cmn. Correctional Manpower & Training, 65- Sociol. Asn; Soc. Criminol.(pres, 63-66); Int. Soc. Criminol. Crime and delinquency. Publ: Co-auth, Social psychology, Longman, 31; auth, Criminal behavior, McGraw, 40 & The crime problem, Appleton, 4 eds, 50, 55, 61 & 67. Address: Ohio State University, 1775 S. College Rd, Columbus, Ohio 43210.
- RECKORD, GORDON E(VERETT), b. Beloit, Wis, Apr. 26, 13; m. 38; c. 2. **GEOGRAPHY.** B.S. Chicago, 40. Field asst. gen. land off, U.S. Dept. Interior, 41; geogr, Off. Strategic Serv, 42-43; chief res. div, div. geog, U.S. Dept. Interior, 43-48; exec. secy, Econ. Coop. Admin, 48-52; planning offi-

- cer, Psychol. Strategy Bd, 52-54; asst. to dir. off. area develop. U.S. Dept. Commerce, 54-61, asst. adminstr. planning & res. area develop. admin. 61-65; RETIRED. Vis. lectr. Florida Atlantic, 67 & 68; res. assoc. Nat. Acad. Sci-Nat. Res. Coun, 67-68. Mem. Guam Cmn, 63-65. Asn. Am. Geog.; Am. Geog. Soc.; Regional Sci. Asn. Land classification; regional dynamics; urban development. Publ: Co-auth. The future development of the San Francisco Bay Area, 1960-2020; auth. Land classification in the Matanuska Valley, Ann. Asn. Am. Geog.; co-auth. The geography of poverty in the United States, In: Problems and trends in American geography, 67. Address: 7214 Beechwood Rd. Alexandria, Va. 22307.
- RECKTENWALD, PROF. L(ESTER) N(ICHOLAS), b. Browerville, Minn, Sept. 3, 02; m. 46; c. 1. PSYCHOLOGY. M.A., Minnesota, 35. Counseling psychologist, vet. adv. center, City Col. New York, 45-46; counseling center, Marquette, 46-47; vet. adv. center, N.Y. Archdiocesan, 47-49; psychologist-in-charge guid. center, Loyola (La), 49-51; psychologist, Villanova, 51-60; ASSOC. PROF. PSYCHOL., Scranton, 60-61; WEST CHESTER STATE COL, 62- Carnegie Found-Loyola (La), grant-in-aid, 50. AAAS; Psychol. Asn.; Personnel & Guid. Asn.; fel. Int. Inst. Arts & Letters. Counseling, personality and administrative psychology. Publ: My plan book; Guidance and counseling; Psychological inventory. Address: Dept. of Psychology, West Chester State College, West Chester, Pa. 19087.
- RECORD, PROF. JANE C(ASSELLS), b. Ft. Gaines, Ga, Dec. 16, 15; m. 38; c. 1. ECONOMICS. Ford Found. grant, California, 53, Ph.D., 54. Dir. adult ed. Chicago, 40-42; asst. dir. wage stabilization, Nat. War Labor Bd, Atlanta region, 43-46, dir. Nat. Wage Stabilization Bd, 46-47; asst. inst. indust. rels., California, Berkeley, 48-53, asst. prof. Davis, 54-55, lectr., 57-64; PROF. ECON., PORTLAND, 65- Guggenheim fel, 68-69. Founder, Brit. Hong Kong Imports Calif, 59. Consult. & arbitrator, indust. rels., 55- Econ. Asn.; Soc. Sci. Asn.; Indust. Rels. Res. Asn. Ideologies in union leadership; reform movements among class and ethnic groups; underdeveloped areas; institutionalization of research; comparative economic systems; collective bargaining. Publ: An experiment in wage stabilization, Am. Econ. Rev; Red-tagging of Negro protest, Am. Scholar; Ideological forces and Negro protest, Annals, 1 66. Address: 2397 Hillside Lane, Lake Oswego, Ore. 97034.
- RECORD, PROF. MASON THOMAS, b. Mena, Ark, Mar. 31, 09; m. 40; c. 2. SOCIOLOGY. B.A., Yale, 32, Ph.D., 38. Instr. SOCIOL, Sweet Briar Col, 38-40; Connecticut, 40-41; New Hampshire, 41-43; asst. prof. CONN. COL, 43-57; ASSOC. PROF, 57- Fel. Sociol. Asn. Culture of ancient Ireland; sociological theory. Publ: Promise of social science, Teacher Ed. Quart. Address: Dept. of Sociology, Connecticut College, New London, Conn. 06320.
- RECORD, MAURICE ADRIAN, C.S.B., b. Owen Sound, Ont, Jan. 18, 13. CLINICAL PSYCHOLOGY. B.A., Western Ontario, 35; M.A., Toronto, 49. Asst. prof. PSYCHOL., WINDSOR, 53-60, ASSOC. PROF., 60-, dir. univ. clin., 53- Consult. Windsor Ment. Health Cmt, 58-60; London Diocesan Priests Cmt. Psychol. Asn.; Can. Psychol. Asn. Child, clinical and projective techniques; psychological factors of achievement and underachievement. Address: Dept. of Psychology, University of Windsor, Windsor, Ont, Can.
- RECORD, PROF. (CY) WILSON, b. Ft. Worth, Tex, Jan. 28, 16; m. 38; c. 1. SOCIOLOGY. B.A., Roosevelt, 41; Rosenwald fel, California, 47-48, M.A., 49, Community studies fel, 51, Ph.D.(sociol), 53. Asst. prof. SOCIOL, San Francisco State Col, 50-51; Sacramento State Col, 53-55; California, Los Angeles, 56-58; assoc. prof. & chmn. dept. Sacramento State Col, 58-62, PROF., 62-64; Southern Illinois, 64-65; PORTLAND STATE COL, 65- Calmerton fel, California, 52; Ford fel, 56; Coun. Basic Ed. fel, 59-62. U.S.A.A.F, 43-46. AAAS; Sociol. Asn.; Soc. Study Social Probs. Racial minorities and political radicalism; intellectual leadership among ethnic minorities; institutional aspects of minority protest. Publ: Race and radicalism; Race relations in the San Francisco Bay Area; Little Rock: USA. Address: Dept. of Sociology, Portland State College, Portland, Ore. 97207.
- RECTOR, DR. FRANKLIN E(UGENE), b. Logan Co, Okla, Apr. 12, 11. SOCIOLOGY. A.B., Phillips, 46; fel, Wisconsin, 47-48, Ph.D.(rural sociol), 54; M.S. Okla. Agr. & Mech. Col, 48. Asst. rural sociol, Wisconsin, 48-50; asst. prof. rural church, Christian Theol. Seminary, Butler, 50-52, assoc. prof, 52-54, prof, 54-57, head dept. town & country church, 50-57, prof. church & soc. structure, 57-64; dir. res. & planning, Ill. Coun. Churches, 64-66; CONSULT. STUDY & RES. BD. CHURCH EXTEN, 66- Lectr., rural church inst, Drake, 51; rural leadership sch, Kentucky, 52; rural church inst, Eureka Col, 54; Phillips, 55; Am. Asn. Theol. Sem. faculty fel, 59-60. U.S.A., 40-46, Maj. Sociol. Asn.; Rural Sociol. Asn. Demography; social change; social organization. Publ: Idea in action; co-auth. Public library in Wisconsin: Facts about our churches in changing America. Address: Board of Church Extension, 110 S. Downey Ave, Indianapolis, Ind. 46219.
- RECTOR, DR. REX, b. Cookeville, Tenn, Oct. 29, 26; m. 48; c. 2. PSYCHOLOGY. B.A., Wayne, 50; M.S., Purdue, 51, Ph.D.(psychol), 53. Asst. prof. PSYCHOL., Tulsa, 52-57; PROF., DePauw, 57- U.S.A., 44-46. Psychol. Asn. Personality theory; social psychology; philosophy of science. Address: Dept. of Psychology, DePauw University, Greencastle, Ind. 46135.
- REDBIRD, DR. HELEN MARIE, b. Pawhuska, Okla, Aug. 7, 29. EDUCATION, SOCIOLOGY. B.S., South. Ore. Col, 51; M.Ed., Colorado, 54, D.Ed., 63; George Peabody Col, summer 55; California, Berkeley, summer 56, 57. Teacher, pub. schs, Ore, 51-53; teacher ed. & supvr., South. Ore. Col, 54-56; ORE. COL. Ed, 56-65, Off. Econ. Opportunity prog. coordinator, 65-67, TEACHER SOC. SCI. & ADMINSTR. DEPT., 67- Consult. State Dept. Ed, Ore, 58-; headstart projts, Off. Econ. Opportunity, 66- Nat. Coun. Crime & Delinquency; Acad. Polit. & Soc. Sci. Behavioral deviation in the education process; education of teachers for the disadvantaged; migrants and education; race relations; corrections. Publ: Co-auth. Education for migrant children; Ore. State Dept. Ed, 68. Address: Dept. of Social Science, Oregon College of Education, Monmouth, Ore. 97361.
- REDDAN, DR. HAROLD J., b. New York, N.Y., Dec. 4, 26; m. 52; c. 3. SOCIOLOGY. B.A. St. Francis Col.(N.Y.), 50; M.S. St. John's (N.Y.), 57, Ph.D. (sociol), 61. Soc. investr. Dept. Welfare, New York, 50-58; instr. SOCIOL,
- ST. JOHN'S (N.Y.), 58-61, asst. prof., 61-64, ASSOC. PROF., 64- Lectr., sch. nursing, Kings County Med. Center, 61-66. Consult. Jamaican-Am. Asn. N.Y., 65- U.S.A., 45-46. Fel. Sociol. Asn.; Acad. Polit. & Soc. Sci. Social pathologies; criminology; social welfare; medical sociology. Publ: Sociology, Regents Pub. Co, 64; Sociology: graduate record examination question book, Arco, 66; co-auth. Sociology, Sadlier Pub. Co, 66. Address: Dept. of Sociology, St. John's University, Grand Central & Utopia Parkways, Jamaica, N.Y. 11432.
- REDDEN, DR. JAMES ERSKINE, Ling, African Studies, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- REDDI, DR. P.V., b. Andhra Pradesh, India, Mar. 8, 30; m. 56; c. 1. ECONOMICS. B.S. Osmania, India, 54, LL.B., 58; M.S., Kansas State, 62; Ph.D. (agr. econ. statist), Texas A&M, 66. Agr. officer, Dept. Agr. Govt. Andhra Pradesh, 55-61; asst. agr. econ., Texas A&M, 63-68, res. assoc., summer, 66; ASSOC. PROF. ECON., MINOT STATE COL, 66- Agr. Econ. Asn. Agr. cultural economics; industrial organization; market structure. Address: Dept. of Economics, Minot State College, Minot, N.Dak. 58701.
- REDDICK, DR. OLIVE I(RENE), b. Findlay, Ohio, July 7, 96. ECONOMICS. A.B., Ohio Wesleyan, 19; A.M., Columbia, 21; Chicago, 27; A.M., Radcliffe Col, 28, Ph.D., 32; LL.D., Delhi, 64, Hood Col, 65, Ohio Wesleyan, 67. Reader econ, Lucknow, 21-26; prof. soc. sci., Lake Erie Col, 28-29; res. asst. sociol., Harvard, 31-32; assoc. prof. econ. & sociol., Hood Col, 32-33, prof. econ. & head dept. econ. & sociol., 33-57; dir., U.S. Ed. Found., India, 51-54, 57-65; CONSULT., INDIAN INST. AM. STUDIES, 65- Reader, Lucknow, 38-39. Sr. economist, Off. Strategic Serv., India, 42-46; economist, Univ. California, 55-56. Indian Coun. World Affairs. Labor relations in Los Angeles; Indian economics and politics. Address: Indian Institute of American Studies, Hyderabad, India.
- REDDING, DR. A(LAN) DAVID, b. Minneapolis, Minn, June 20, 19; m. 41; c. 3. ECONOMICS. A.B., California, Los Angeles, 48; A.M., Columbia & cert. Russian Inst, 50, Ph.D.(econ), 58. Staff economist, Rand Corp, 50-52; res. economist, U.S. Dept. State, 52-53; staff economist, Coun. For. Rels, 53-55; res. economist, Library Cong, 55-57; chief adv. communist affairs, U.S. Info Agency, 57-62; develop. planning officer econ, AGENCY INT. DEVELOP., U.S. Dept. State, 62-63, develop. planning economist, Turkey, 63-67, ECON. ADV., PHILIPPINES, 67- Lectr., Catholic Univ, 61-62. U.S.A., 42-45. Econ. Asn. Aspects of Soviet economy, particularly economic growth and structure of employment; economic development, particularly in Latin America. Publ: Reliability of estimates of unfree labor in the USSR, J. Polit. Econ; Comparison of nonagricultural employment in the U.S., 1870-1955 and USSR, 1928-1955, Rev. Econ. & Statist; Employment and productivity on USSR railroads, Soviet Studies. Address: 7011 Van Noord Ave, North Hollywood, Calif. 91605.
- REDDING, DR. DAVID C(OK), b. Frankfort, Ky, July 19, 35; m. 65; c. 1. INTERNATIONAL ECONOMICS. B.S., Kentucky, 61, Haggin fel & M.A., 62, Nat. Defense Ed. Act & univ. fels. & Ph.D.(int. studies), 65. ECONOMIST, BD. GOV. FED. RESERVE SYST, 65- U.S.A., 56-59, Res, 59-62. International economics; Latin American Studies. Publ: Closing the U.S. payments gap, Lloyds Bank Rev, 4/67; The economic decline of Uruguay, Inter-Am. Econ. Affairs, spring 67. Address: Federal Reserve Board, 20th & Constitution Aves, Washington, D.C. 20551.
- REDDING, PROF. W(ILLIAM) CHARLES, b. Colorado Springs, Colo, Apr. 13, 14; m. 43. SPEECH. A.B., Denver, 36, A.M., 37; Ph.D.(speech), Southern California, 57. Instr. Eng., Colorado State, 37-38; from instr. to asst. prof. SPEECH, Santa Barbara State Col, 38-42; instr., Washington (Seattle), 43-46; from lectr. to asst. prof., Southern California, 46-55; assoc. prof., PURDUE, 55-61, PROF., 61-, DIR. COMMUN. RES. CENTER, 55- Vis. prof., Vermont, 52. Consult. to various companies & banks, 55- Civilian instr., U.S. Naval Col. Training Prog, 43-46. Speech Asn.; Nat. Soc. Study Commun.(pres, 63). Human communication in business, industrial and other organizations; persuasion; basic speech communication; rhetoric and public address; organizational communication. Publ: Co-auth. Business and industrial communication, Harper, 64; auth. The empirical study of human communication in business and industry, In: Speech-communication research, Syracuse Univ, 66; Extrinsic and intrinsic criticism, In: Essays in rhetorical criticism, Random, 68. Address: Dept. of Speech, Purdue University, Lafayette, Ind. 47907.
- REDDY, DR. NALLAPU NARAYAN, b. Nagaram, India, June 22, 39; m. 57; c. 1. ECONOMICS & MINERAL ECONOMICS. B.S., Michigan Tech, 61; M.S., Missouri, 63; Ph.D.(mineral econ), Pa. State, 67. Asst. proj. engr., Freeman Coal Mining Corp. Div. Gen. Dynamics Corp, 61-62, spec. projts. engr. 63-64; ASST. PROF. ECON., CLARKSON TECH, 67- Econ. Asn.; Inst. Min. Metall. & Petrol. Eng. Micro-economics; economic development; international economics. Address: Dept. of Economics, Clarkson College of Technology, Potsdam, N.Y. 13676.
- REDDY, DR. THAMMAIAHGARI RAMAKRISHNA, b. Kanganambanda, India, July 1, 37. POLITICAL SCIENCE. B.A., Mysore, 58, M.A., 59; Mich. State, 61-68; Ph.D.(polit. sci.), Kentucky, 66. Lectr., polit. sci., Mysore, 59-61; asst., Mich. State, 61-62; Kentucky, 65-66; ASST. PROF. HIST. & POLIT. SCI., WEBER STATE COL, 66- Haggin fel, 63-64; Asia Found. travel grant, 64; Ky. Res. Found. fel, 64-65; Patterson fel, 65-66. Summer asst. prof., Transylvania Col, 65. Polit. Sci. Asn. European history; Indian economics; India's foreign policy toward the United Nations; foreign policy making in the United Kingdom; legislative behavior in India. Publ: India's policy in the United Nations, Fairleigh Dickinson Univ, 68. Address: Dept. of Political Science, Weber State College, 3750 Harrison Blvd, Ogden, Utah 84403.
- REDEMANN, WILLIAM W(ALLACE), b. Ripon, Wis, Feb. 7, 25; m. 56; c. 1. INTERNATIONAL RELATIONS, MARKETING. B.A., Wisconsin, 51, M.A., 52, M.B.A., Wisconsin, Milwaukee, 62. Admin. officer, UNRRA, 46-47, asst. dist. employ. officer, 47; asst. to supvr. distributor sales, Chain Belt Co, 53-58; asst. distributor sales mgr. & mkt. analyst, Louis Allis Co, 58-59, distribution sales mgr., 59-61, mkt. mgr., 59-62, coordinator export sales,

- 60-62; PRES, STEWART INT. ASSOCS, 62- Asst. dir. mkt, W.C. Heath Assocs, 62-66. U.S.A. 43-46, Res, 49-, Maj. Mkt. Asn; Econ. Asn. Political and economic problems of colonial Africa, eastern Europe, European common market, European free trade area and Latin America. Publ: Tanganyika and the groundnuts scheme; International marketing: new frontier for American business. Address: 148 E. Chateau Place, Milwaukee, Wis. 53217.
- REDER, PROF. MELVIN WARREN, b. San Francisco, Calif, May 25, 19; m. 42; c. 2. LABOR ECONOMICS. A.B. California, 39; Ph.D. Columbia, 46. PROF. ECON, STANFORD, 49- Res. assoc. inst. indust. rels, California, 49-54; Guggenheim fel, 54-55; fel, Center Adv. Study Behav. Sci, 57-58; Ford faculty res. fel, 61-62. U.S. correspondent, London & Cambridge Econ. Serv, 49-61. Consult, fiscal div, UN, 49. Econ. Asn; Economet. Soc; Indust. Rels. Res. Asn. Publ: Studies in welfare economics; Labor in a growing economy. Address: Dept. of Economics, Stanford University, Stanford, Calif. 94305.
- REDFIELD, DR. CHARLES E, b. Cleveland, Ohio, Mar. 15, 13; m. 40; c. 1. PUBLIC ADMINISTRATION. B.S. Chicago, 35, M.A. 40; Ph.D. (pub. admin), N.Y. Univ. 51. Res. assoc. pub. admin, N.Y. Univ. 50-51, lectr. admin. commun. 52-58; assoc. prof, Pittsburgh, 58-59; indust. consult, 59-62; INVEST. COUNSR, HARTWELL & REDFIELD, BLAIR & CO. & HARDY & CO. 62- Exten. teacher, Cornell, 54; adj. prof, N.Y. Univ. 62- U.S.A.A.F. 42-46, Capt. AAAS; Soc. Pub. Admin; Mgt. Asn. Communication in management. Publ: Communication in management; Communication; the life stream of every organization, Off. Mgt; Should businessmen play management games?, Office. Address: 26 Main St, Ridgefield, Conn. 06877.
- REDFIELD, PROF. JANET E(STER), b. Davenport, Iowa, Nov. 11, 13; m. 42; c. 1. PSYCHOLOGY. B.A. Iowa, 34, M.A. 36, Ph.D. (child psychol), 38. Asst. child welfare res. sta, Iowa, 35-38; res. assoc. ed. psychol, Illinois, 38-39; instr. psychol, Lawrence Col, 39-40; res. assoc. anthropol. & biomet, child res. coun. sch. med, Colorado, 40-46; assoc. prof. psychol, DENVER, 46-64, PROF. PSYCHOL. & DIR. STUDENT COUNSELING, 64- Psychol. Asn; Personnel & Guid. Asn; Nat. Asn. Women Deans & Counsr. Counseling; child development. Address: Student Counseling Service, University of Denver, Denver, Colo. 80210.
- REDFORD, PROF. EMMETTE S(HELBURN), b. San Antonio, Tex, Sept. 23, 04. POLITICAL SCIENCE. A.B. Texas, 27, A.M. 28; Ph.D. Harvard, 33. Asst. prof, Texas Christian, 30-31; instr. & tutor, Harvard, 32-33; asst. prof. GOVT, TEXAS, AUSTIN, 33-36, assoc. prof, 36-39, PROF, 39- Mem. staff, Off. Price Admin, 42-45. Polit. Sci. Asn; Soc. Pub. Admin. Government and business; public administration. Publ: Ideal and practice in public administration; Administration of national economic control; American government and the economy. Address: Dept. of Government, University of Texas, Austin, Tex. 78712.
- REDKEY, DR. EDWIN STORER, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- REDL, PROF. FRITZ, b. Klaus, Austria, Sept. 9, 02. CLINICAL PSYCHOLOGY. Ph.D. Vienna, 25. Teacher, pub. schs, Austria, 25-36; res. assoc. gen. ed. bd, Rockefeller Found, 36-38; lectr. ment. hyg, Michigan, 38-41; prof. soc. work, Wayne State, 41-53; chief child res. br, Nat. Insts. Health, 53-59; Ford Found. fel, Center Adv. Study Behav. Sci, 60-61; DISTINGUISHED PROF. BEHAV. SCI, WAYNE STATE; 61- Clin. counsr, Wiener Volkshochsch, Austria, 25-36; mem. dept. guid, Cranbrook Sch, Mich, 38-41; Am. Coun. Ed. res. assoc, Chicago, 39-40; dir. Detroit Group Proj, 42-53; pioneer House, 46-48; Psychol. Asn; Psychoanal. Asn; Orthopsychiat. Asn. Child analysis; delinquency; group therapy. Publ: Co-auth, Controls from within & Mental hygiene in teaching; auth, When we deal with children, Macmillan, 66. Address: School of Education, Room 247, Wayne State University, Detroit, Mich. 48221.
- REDLICH, DR. FRITZ (LEONHARD), Econ, see 10th ed, Soc. & Behav. Vols.
- REDMAN, DR. JOHN C, b. Nancy, Ky, Jan. 31, 21; m. 42; c. 1. AGRICULTURAL ECONOMICS. B.S. Berea Col, 43; M.S. Kentucky, 46, Ph.D. 51. Prof. AGR. ECON, West. Ky. State Col, 46-47; ASSOC. PROF, Miss. State Col, 47-50; KENTUCKY, 50- Fel, Chicago, 56-57; summer vis. prof, Warsaw Agr. Univ. & Polish Acad. Sci, 65, Gokhale Inst. Politics & Econ, Poona, India, 67. U.S.M.C., 43-45, Lt. Agr. Econ. Asn; Econ. Asn. Production economics; farm management; credit. Publ: Economics of grain-forage substitution in feeding for milk production; Problems in determining input-output relationships in agricultural enterprises; Interrelationships of economics and agronomic concepts. Address: Dept. of Agricultural Economics, University of Kentucky, Lexington, Ky. 40506.
- REDMOND, DR. JOHN F(RANCIS), b. Seattle, Wash, May 28, 22; m. 51; c. 2. EDUCATIONAL PSYCHOLOGY. B.S. Washington (Seattle), 48, M.S. 51, Ph.D. (ed. & psychol), 58. Counsr. & teacher, pub. schs, Wash, 52-57; psychologist, Yakima County Coop. Spec. Ed. Prog, 57-64; DIR. COUNSELING, YAKIMA VALLEY COL, 64- Psychologist, Yakima Child Guid. Center, 59-62. Psychol. Asn. Personality theory; projective techniques in psychodiagnostics; child development. Address: 1201 S. 31st Ave, Yakima, Wash. 98902.
- REDMOUNT, DR. ROBERT S(AMUEL), b. Lakewood, Pa, Apr. 20, 24; m. 48; c. 3. PSYCHOLOGY. B.A. Pa. State, 43, M.S. 47; Ph.D. (clin. psychol), N.Y. Univ. 49; LL.B. Yale, 57. Chief psychologist, child study inst, Juvenile Court, Toledo, 48; sr. psychologist, counseling bur, Michigan, 48-50; chief psychologist, State Hosp, Ark, 50-52; supv. clin. psychologist, U.S. Army Hosp, Camp Atterbury, Ind, 52-54; exec. asst, study unit in psychiat. & law, Yale, 54-57, res. assoc, law sch, 57-58; chief psychologist, Psychol. Serv. Conn, Inc, 58-62; DIR, GUID. CENTER, 62- U.S.A.A.F. 43-45, 2nd Lt. Psychol. Asn; N.Y. Acad. Sci. Law and the behavioral sciences; marriage and the family; industrial organization and management problems; counseling and guidance. Publ: Attorney personalities and some psychological aspects of legal consultation & Psychological views in jurisprudence theories, Univ. Pennsylvania Law Rev; The relation of psychology and law, In: Legal and criminal psychology. Address: 175 Forest Hill Rd, Hamden, Conn. 06518.
- REEB, DR. DONALD JOSEPH, b. Springfield, Ohio, Dec. 22, 33; m. 63. ECONOMICS. A.B. Wittenberg, 58; Maxwell scholar, Syracuse, 58-59, M.P.A., 59, scholar, 62-63, Ph.D. (econ), 63. Res. asst. econ. & housing, youth develop. center, Syracuse, 59-60, teacher econ, univ, 60-62; ASST. PROF. econ. & planning, North Carolina, 63-65; ECON, GRAD. SCH. PUB. AFFAIRS, STATE UNIV. N.Y. ALBANY, 65- Assoc. inst. res. soc. sci, North Carolina, Chapel Hill, 63-65. Consult, Off. Planning Coord, N.Y., 65-68. U.S.A. 53-55. Econ. Asn; Regional Sci. Asn; Nat. Tax Asn. Analysis of state-local finance relationships attempting to measure the fiscal residuum from intergovernmental finance; analysis of depressed large industrial areas and their process of adaption to changing industrial structures. Publ: An inquiry into the economic structure of urban areas, Urban Affairs Quart, 12/66; Local area participation in state finances: North Carolina, Land Econ, 68; co-auth, Metropolitan resources in a policy matrix, Natural Resources J, 68. Address: Dept. of Economics, Graduate School of Public Affairs, State University of New York at Albany, Sayles Hall, 179 Partridge St, Albany, N.Y. 12203.
- REED, PROF. CHARLES A(LLEN), Zool, Anthropol, see 11th ed, Phys. & Biol. Vols.
- REED, DR. CHARLES F, Psychol, see 11th ed, Phys. & Biol. Vols.
- REED, DR. DEWARD H, b. Westbrook, Tex, Mar. 18, 04; m. 27. POLITICAL SCIENCE. B.A. Tex. Tech. Col, 28; M.A. Colorado, 33; Ph.D. (polit. sci), George Peabody Col, 47. V. prin, high sch, Tex, 27-34; prof. polit. sci, Eastern New Mexico, 34-61; salesman, United Fidelity Life Ins. Co, 61-65; ASSOC. PROF. POLIT. SCI, SAN DIEGO, 65- U.S.A.A.F. 42-46, Capt. Communism versus democracy. Address: Dept. of Political Science, University of San Diego, Alcalá Park, San Diego, Calif. 92110.
- REED, PROF. EDWARD WILSON, b. Galatia, Ill, Sept. 5, 13; m. 38; c. 1. FINANCE, ECONOMICS. B.Ed. Southern Illinois, 36; M.A. Illinois, 37, Ph.D. (inter-jurisdictional tax probs), 47. Instr, high sch, Ill, 37-41; asst. prof. econ, Louisville, 41-43; Illinois, 46-47; prof, Arkansas, 47-53, 57-58; pres, City Nat. Bank, Ark, 53-57; JOHN B. ROGERS PROF. BANKING & FINANCE, OREGON, 58- Mem. econ. res. center, Hawaii, 60; summer prof, Banking Sch. of South. La. State, 60-, Pac. Coast Banking Sch, Washington (Seattle), 62- Consult, U.S. Nat. Bank Ore, 62- U.S.N., 43-46, Res, 46-, Lt. Comdr. Econ. Asn; Finance Asn. Banking. Publ: Commercial bank management, Harper, 63; Personal bankruptcies in Oregon, Bur. Bus. & Econ. Res, Univ. Oregon, 67; What's happening to profits in small banks?, Bankers Mag, winter 67. Address: College of Business Administration, University of Oregon, Eugene, Ore. 97403.
- REED, DR. ERIK K(ELLERMAN), b. Quincy, Mass, Aug. 16, 14; m. 38; c. 2. ANTHROPOLOGY, ARCHAEOLOGY. A.B. George Washington, 32; A.M. Harvard, 33, Ph.D. (anthropol), 44. Asst. Gila Pueblo, Ariz, 34-35; regional archaeologist, NAT. PARK SERV, 35-54, from regional chief div. interpretation to RES. ANTHROPOLOGIST, NAT. PARK SERV, 54- Vis. prof, Utah, 66 & 67. Mil. Intel, 44-46, Sgt. Fel. AAAS; Anthropol. Asn; Soc. Am. Archaeol. (asst. ed, 41-43, pres, 60-61); Asn. Phys. Anthropol. History and prehistory of southwestern United States and Pacific Ocean islands; human osteology. Publ: History and archaeology of Guam, U.S. Dept. Interior, 52; Excavations in Mancos Canyon, Colorado, Univ. Utah, 58. Address: 238 Griffin St, Santa Fe, N.Mex. 87501.
- REED, DR. FLOYD L(ESLIE), b. Norton, Kans, Feb. 28, 98; m. 29. PSYCHOLOGY. B.S. Kansas State, 28; M.S. Ft. Hays Kans. State Col, 47; Ed.D. Denver, 49. Prin. pub. schs, Kans, 24-25, 28-46; instr. psychol, Denver, 49-50, asst. prof, 50-60, assoc. prof, 60-66; RETIRED. Psychol. Asn; Asn. Ment. Deficiency; Speech & Hearing Asn. Child and adolescent development; learning; measurement and evaluation; education. Publ: Implication for education and conservation of payments made by the federal government for public lands within the Rocky Mountain states; Are these frustrating years necessary? Address: 1843 S. Gilpin, Denver, Colo. 80210.
- REED, PROF. HAROLD L(YLE), b. Dunlap, Iowa, June 29, 88; m. 17; c. 1. ECONOMICS. A.B. Oberlin Col, 11; Ph.D. Cornell, 14. Instr. econ. Cornell, 14-15, asst. prof, 16-19; instr. finance, N.Y. Univ, 15-16, asst. prof. econ, 19-20; prof. banking & finance, Washington (St. Louis), 20-23; Thorne prof. ECON. & FINANCE, CORNELL, 23-67, EMER. THORNE PROF, 67- Econ. advr, currency cmnts, U.S. Chamber Commerce, 27-28. U.S.A. 17-19. Econ. Asn. Money; currency and banking; corporation finance. Address: 422 Cayuga Heights Rd, Ithaca, N.Y. 14850.
- REED, DR. HOMER B(LOSSER), b. Youngstown, Ohio, Aug. 16, 86; m. 12, 22; c. 6. PSYCHOLOGY. A.B. & A.M. Indiana, 09; fel, Chicago, 09-12, Ph.D. (philos), 12; Columbia, 13-14. Instr. psychol, Illinois, 14-15; asst. prof. philos. & psychol, Idaho, 15-21; assoc. prof. PSYCHOL, Colo. State Col. Ed, 21-24; asst. prof, Pittsburgh, 24-28; prof, West. State Col. Colo, 28-29; FT. HAYS KANS. STATE COL, 29-56, EMER. PROF, 56- Vis. prof, New Mexico, 56-57; Col. Wooster, 57-58; Istanbul, 58-61; Tarkio Col, 62-63. Fel. Psychol. Asn. Learning; problem solving. Publ: Learning and retention of concepts; Psychology of elementary school subjects; Psychology and teaching of secondary school subjects. Address: Dept. of Psychology, Ft. Hays Kansas State College, Hays, Kans. 67602.
- REED, DR. HOMER B(LOSSER) C(AREY), JR, b. Hays, Kans, Jan. 30, 30; m. 49; c. 3. PSYCHOLOGY. Ph.D. (psychol), Purdue, 55. Asst. prof. PSYCHOL, North Dakota, 55-56; Fla. State, 56-60; med. center, Indiana, 60-67; ASSOC. PROF, TUFTS-NEW ENG. MED. CENTER, 67- Psychol. Asn. Neuropsychology. Address: Dept. of Pediatrics, Tufts-New England Medical Center, 171 Harrison Ave, Boston, Mass. 02111.
- REED, DR. HOVEY GENE, b. Bloomfield, Mo, Nov. 28, 20; m. 45; c. 4. BUSINESS ADMINISTRATION, COMPUTER SCIENCE. B.S. & M.S. Colorado, 58, D.B.A., 63. PROF. QUANT. METHODS & DIR. COMPUT. CENTER,

SACRAMENTO STATE COL, 60- Consult, data processing, Calif. Dept. Ed, 66-67. U.S.A.F, 39-60, Capt. Acad. Mgt; Statist. Assn. Use of computers in management as an information system and as an assist in decision making; systems analysis. Publ: A model for group analysis, Personnel J, 11/66. Address: Dept. of Business Administration, Sacramento State College, 6000 J. St. Sacramento, Calif. 95819.

REED, DR. HOYT COE, b. Kenilworth, Ill, Oct. 9, 02; m. 29; c. 2. SOCIAL SCIENCE, HUMAN RELATIONS. A.B., Columbia, 27, M.A., 31, Ed.D.(ed. admin), 46. Teacher, Elms Sch, France, 26-27; head dept. Eng. & Journalism, Bogota High Sch, N.J., 31-34; Eng. & Humanities, Bergen Jr. Col, 34-45; lectr. Eng, Rutgers, 45; ASSOC. PROF. SOC. SCI, MICH. STATE, 45-Ed. consult, Mich. Region, Nat. Conf. Christians & Jews, 48-, medal, 61. Pres. bd. trustees, Christian Student Found, 48-51. Mem. Gov. Cmt. Assimilation For. Born, N.J., 38-40; co-founder & mem. exec. cmt. Insts. Police-Community Rels, 54-, ed. proc, 55-; mem, Mich. Ed. Res. Coun. & pres, Lincoln Community Center, 61- Reduction of discriminatory practices in college admissions; police-community coordination. Publ: American pit; Annual proceedings of institutes on community relations. Address: Dept. of Social Science, Michigan State University, East Lansing, Mich. 48823.

REED, PROF. JAMES A, b. U.S. Apr. 7, 14; m. 36; c. 2. EDUCATIONAL PSYCHOLOGY. B.S., Pa. State, 35; M.Ed., Pittsburgh, 38, Ed.D.(sch. admin), 56. Teacher soc. studies & dir. health & phys. ed, West View Sch. Dist, Pittsburgh, Pa, 35-46, chief employee rels, Vet. Admin. Regional Off, Pittsburgh, Pa, 46; assoc. prof. hist. & ed. & dean of men, Edinboro State Col, 46-55; PROF. ED. & PSYCHOL. & HEAD DEPT., EAST STROUDSBURG STATE COL, 55- Mem. President's Cmt. Employ. Handicapped; chmn. bd. dirs, Burnely Workshop of Poconos. Pa. del, Nat. House Del. Crippled Children & Adults Soc. U.S.N.R., 43-45, 51-53, Res, 45-51, 53-, Comdr. Science, health and physical education; social sciences; English. Address: Dept. of Education & Psychology, East Stroudsburg State College, East Stroudsburg, Pa. 18301.

REED, DR. J(OHN) DAVID, b. North Stonington, Conn, July 19, 18; m. 42; c. 6. PSYCHOLOGY. A.B., Swarthmore Col, 41; M.S., Brown, 43; Ph.D.(psychol), Hopkins, 48. From instr. to asst. prof. psychol, Rutgers, 48-56; ops. analyst, ops. res. off, Hopkins, 56-60; res. psychologist, Ops. Res, Inc, 60-61; SR. OPERS. ANALYST, STANFORD RES. INST, 61- U.S.N.R., 42-45. Psychomotor reaction; operations research. Publ: Spontaneous activity of animals, Psychol. Bull. Factors influencing rotary performance, J. Psychol. Address: Stanford Research Institute, 333 Ravenswood Ave, Menlo Park, Calif. 94025.

REED, PROF. JOHN W(ESLEY), Sociol, see 10th ed, Soc. & Behav. Vols, deceased 63.

REED, DR. LOUIS S(CHULTZ), b. New York, N.Y., Oct. 17, 02; m. 27; c. 3. ECONOMICS. A.B., Amherst Col, 24; A.M., Columbia, 25, Ph.D.(econ), 30. Instr. econ, N.Y. Univ, 27-30; mem. res. staff, Cmt. Costs Med. Care, D.C., 30-33; prof. econ, Texas, 33-35; economist, bur. labor statist, U.S. Dept. Labor, 35-36; health studies div, Soc. Security Bd, 36-39; med. economist, U.S. Pub. Health Serv, 39-55, 56-57; res. dir. submt. welfare & pension fund, Senate Cmt. Labor & Pub. Welfare, 55-56; assoc. prof. health econ, Cornell, 57-61; MED. ECONOMIST, SOC. SECURITY ADMIN. DEPT. HEALTH, ED. & WELFARE, 61- Pub. Health Asn. Health economics; public health administration. Publ: Labor philosophy of Samuel Gompers; Blue Cross and medical service plans; How many general hospital beds are needed. Address: 1232 Somerset Dr, McLean, Va. 22101.

REED, DR. MARGARET, b. Chicago, Ill, Mar. 13, 16; m. 52; c. 2. SOCIAL WORK, COUNSELING. B.A., Chicago, 38, M.A., 40, Ph.D.(ed. psychol), 51. Personnel placement analyst, West. Elec. Co, 42-43; counsr, Univ. Chicago, 43-49; high sch, 51-52; assoc. ed. psychol, Scott. Foresman & Co, 52-53; marriage & family counsr, 53-64; ASSOC. PROF. SOCIOL. & SOC. WORK, MOORHEAD STATE COL, 64- Psychol. Asn; Asn. Marriage Counsr; Coun. Soc. Work Ed. Social service administration; family counseling; community organization. Address: Dept. of Sociology, Moorhead State College, Moorhead, Minn. 56560.

REED, PROF. PERCY C(ARWELL), b. Mobile, Ala, Apr. 17, 20; div; c. 2. PSYCHOLOGY. A.B., Alabama, 49; Ph.D.(psychol), Texas, 53. Res. scientist psychol, Texas, 50-53; res. assoc. & instr, Ohio State, 53-54; res. scientist & head behav. res. group, radiobiol. lab, Univ. Texas & U.S. Dept. Air Force, 54-55; asst. prof. PSYCHOL, ALABAMA, 55-58, assoc. prof, 59-68, PROF. COL. GEN. STUDIES, BIRMINGHAM, 68-, DIVISIONAL REP. PSYCHOL, 67- Consult, med. col, Alabama, 66- U.S.A.F, 40-45. Psychol. Asn. Radiobiology; motivation; perception; animal learning; behavioral pharmacology. Address: 720 S. 20th St, Birmingham, Ala. 35233.

REED, DR. RICHARD W(ILLIAM), Econ, see 10th ed, Soc. & Behav. Vols.

REED, PROF. RUDELL, JR, Indust. Eng, see Suppl. V to 11th ed, Phys. & Biol. Vols.

REED, PROF. RUTH (VIOLA), b. Hall Co, Ga, Jan. 23, 97. SOCIOLOGY. A.B., Brenau Col, 16; Phelps-Stokes fel, Georgia, 19-20, A.M., 20; Ph.D., Columbia, 26. Instr. Wells Col, 24-26; asst. prof, Mt. Holyoke Col, 26-28; asst. prof, Indiana, 33-35; assoc. prof. soc. res, Catholic Univ, 35-52, prof, 52-62; RETIRED. Belgian Ed. Found. fel, Belgium, 29-31. Sociol. Asn. Modern family; illegitimacy in New York City; family relationships and schizophrenics; upwardly mobile professional woman. Publ: Gifted child in the low income family; Single woman. Address: 2003 Wardman Rd, Washington, D.C. 20018.

REED, PROF. S(AMUEL) KYLE, b. Knoxville, Tenn, Apr. 17, 22; m. 52; c. 2. INDUSTRIAL MANAGEMENT & ENGINEERING. B.S., Tennessee, 48; Ph.D. (prod. eng), Edinburgh, 50. Time study engr, Am. Bridge Co, U.S. Steel Corp, 48-49; indust. engr, Robertshaw Controls Co, 50-51; Union Carbide Nuclear Co, 51-58; assoc. prof. INDUST. MGT, TENNESSEE, 58-67, PROF,

67- Summer fels, Ford Found, 62, Found. Econ Ed, 63 & Alcoa Found, 64. Consult, 58-; principal, Doulet, Reed & Assocs, 58- Adj.Gen.C, U.S.A., 43-46, 2nd Lt. Indust. Eng. Personnel management: application of work simplification techniques to all fields of endeavor; determining the needs for management development training programs; conducting training; evaluation of results. Publ: Co-auth, Management simulation games in production and inventory control, J. Am. Prod. & Inventory Control Soc, 1/65; auth, Work simplification—a tool for all managers, Tenn. Surv. Bus, 3/66; co-auth, Work simplification today: better programs, better payoff, Factory Mag, 12/66. Address: David Lane, Route 5, Concord, Tenn. 37720.

REED, STANLEY F(OSTER), b. Bogota, N.J, Sept. 28, 17; m. 40; c. 3. ECONOMICS. George Washington, 39-40, 45-46; Hopkins, 40-41. With Bethlehem Steel, 40-42; consult, New York, 43-44; pres, Reed Res, Inc, Wash, 45-62; PRES, REED RES. INST. CREATIVE STUDIES, 51- Lectr, George Washington, 54 & 60; Pennsylvania, 62; Pa. State, 63-64; Colorado, 63-67; Claremont Colls, 64; American Univ, 58 & 62; Union Theological, 66; Forces of Change Radio Forum, 65; Georgetown, 66-67; Wilton Park fel, 67. Dir, Books, U.S.A., 65-67; ed. & pub, Mergers & Acquisitions, J. Corp. Venture, 65- Mem, Aspen Inst. Humanistic Studies; Northeast Coast Inst. Eng. & Shipbuilders, Brit. AAAS; Soc. Int. Develop; Inst. Elec. Eng; Soc. Naval Archit. & Marine Eng; Econ. Asn. Learning, teaching and cognitive systems; creative process in science, technology, art and business; sociology of communications; information systems. Publ: Entrepreneurship and the depressed area, Yale Rev, fall 64; Chap. 31, In: Automation, education, and human values, Sch. & Soc. Books, 66; Change and the information revolution, Am. Asn. Univ. Women J, 5/66. Address: 1725 K St. N.W., Washington, D.C. 20006.

REED, PROF. STEPHEN W(INSOR), Sociol, see 10th ed, Soc. & Behav. Vols, deceased 66.

REED, PROF. T(HOMAS) J(ACKSON), b. Springdale, Ark, June 1, 17; m. 45; c. 6. STATISTICS, BUSINESS ADMINISTRATION. B.S.A., Arkansas, 39; M.S., Iowa State, 47. Clerk, U.S. Bur. Census, 40-41; economist & statistician, agr. mkt. serv, U.S. Dept. Agr, 41-52; statistician & dir. statist. div, Renegotiation Bd, 52-54; asst. chief statistician, Nat. Analysts, Inc, 54-57; ASSOC. PROF. BUS. MGT. & DIR. BUR. BUS. RES, OLD DOM. COL, 57- Mem, Nat. Defense Exec. Reserve, 67. Mkt. Asn; Statist. Asn. Application and adaptation to surveys in market research; pooling statistical data and other information together with analysis for use in urban and regional planning. Publ: Three Virginias: a study of the commonwealth, Old Dom. Chap. 7, Pub. Rels. Soc. Am, 64; Mobility of the Population: Norfolk-Portsmouth SMSA, 1955-1960, Bur. Bus. Res, Old Dom. Col, 66; co-auth, Application of probability area sampling to farm surveys. Address: School of Business Administration, Old Dominion College, Norfolk, Va. 23508.

REEDER, DR. CHARLES B(ENTON), b. Columbus, Ohio, Oct. 31, 22; m. 49; c. 1. ECONOMICS. B.S., Ohio State, 45, Ph.D.(econ), 51; M.B.A., Harvard, 47. Instr, Ohio State, 48-51; asst. economist & asst. mgr. commercial res, Armstrong Cork Co, 51-55; ASSOC. ECONOMIST, E.I. DU PONT DE NEMOURS & CO, 55- U.S.A., 43-46, Lt. Econ. Asn; Statist. Asn; Asn. Bus. Econ(secy, 59-61, pres, 66-67). Business forecasting; application of economics to management problems in business. Publ: No foundations?, Barons's, 56; How population composition affects economic growth, Bus. Horizons; Business economists and national economic policy, Bus. Econ, winter 67. Address: 1003 Trenton Place, Wilmington, Del. 19801.

REEDER, PROF. JESSE W, b. Brigham, Utah, Feb. 21, 10; m. 48; c. 5. PUBLIC LAW, GOVERNMENT. B.S., Utah State, 34; M.S., 37; Ph.D.(polit. sci), Cornell, 51. Lectr. POLIT. SCI, Utah, 51-52; asst. prof, BRIGHAM YOUNG, 52-55, assoc. prof, 56-64, PROF, 64- U.S.A.F, 42-45, Sgt. Soc. Int. Law. Individual and civil liberties; federal governmental efforts to protect civil liberties. Address: 285 Maeser Bldg, Brigham Young University, Provo, Utah 84601.

REEDER, PROF. L(EO) G(LENN), b. Chicago, Ill, Mar. 13, 21; m. 45; c. 2. SOCIOLOGY. Ph.D.(sociol), Chicago, 52. From res. assoc. to asst. prof. sociol, Minnesota, 52-55; soc. scientist, Rand Corp, 55-58; Nat. Insts. Health fel, CALIFORNIA, LOS ANGELES, 58, assoc. prof. sociol, sch. med, 59-66, PROF. PUB. HEALTH & SOCIOL, SCH. PUB. HEALTH, 66- U.S.A., 42-46. AAAS; Sociol. Asn; Asn. Pub. Opinion Res; Pop. Asn. Am; Heart Asn; Soc. Epidemiol. Res. Medical and urban sociology; heart disease. Publ: Co-auth, Handbook of medical sociology, Prentice-Hall, 63; auth, Conceptions of self and others, Am. J. Sociol; Client evaluation of physician performance, J. Health & Soc. Behav. Address: Center for the Health Sciences, School of Public Health, University of California, Los Angeles, Calif. 90024.

REEDER, PROF. WILLIAM W(ODLAND), b. Robin, Idaho, Mar. 26, 11; m. 47; c. 3. RURAL SOCIOLOGY. B.S., Utah State Agr. Col, 35, M.S., 38; Ph.D., Cornell, 47. Asst. Cornell, 39-42; acting asst. prof. & exten. specialist, N.Y. State Col. Agr, 46-47; asst. prof. RURAL SOCIOL, Pa. State, 48; CORNELL, 48-51, assoc. prof, 51-65, PROF, 65- Fund Adult Ed. study grant, 54-55. Consult, center continuing ed, Georgia, 55. U.S.A., 42-45, Capt. Sociol. Asn; Rural Sociol. Soc. Organization methods and community development; social psychology; theory of social action. Publ: Group processes and local growth, In: Proc. from workshop on regional development analysis, Agr. Policy Inst, N.C. State & Great Plains Resource Econ. Cmt, 5/63; Directive factors in social action: a multiple factor theory of social action, Community Develop. Rev, 6/63; co-auth, Factors influencing occupational decisions in a low-income area, Agr. Exp. Sta. Bull. Number 67-1, Dept. Rural Sociol, Cornell, 10/65. Address: Dept. of Rural Sociology, Cornell University, Ithaca, N.Y. 14850.

REEDS, PROF. LLOYD GEORGE, b. Lindsay, Ont, July 11, 17; m. 49; c. 1. AGRICULTURAL GEOGRAPHY. B.A., Toronto, 40, M.A., 42; Ph.D., 56. Soil surveyor, Ont. Agr. Col, 41-42; lectr, Toronto, 45-48; from asst. prof to PROF. GEOG, McMASTER, 48-, chmn. dept, 49-61. R.C.N.V.R., 42-45. Asn. Am. Geog; Royal Can. Geog. Soc; Can. Asn. Geog.(pres, 62-63). Land classification; soils. Address: Dept. of Geography, McMaster University, Hamilton, Ont, Can.

- REEDY, THEODORE W(INTER), b. Mt. Carroll, Ill, Oct. 20, 97; m. 37; c. 3. ECONOMICS. Ph.B, Chicago, 24. Labor economist, bur. labor statist, U.S. Dept. Labor, 34-66; RETIRED. U.S.M.C., 17-19. Econ. Asn; Indust. Rels. Res. Asn. History of labor; wages; union organization. Address: 5437 20th St. N, Arlington, Va. 22205.
- REES, PROF. ALBERT E(VERETT), b. New York, N.Y., Aug. 21, 21. LABOR ECONOMICS. A.B., Oberlin Col, 43; A.M., Chicago, 47, Ph.D., 50. Instr. Econ, Roosevelt Col, 47-48; asst. prof. prof. Chicago, 48-54, assoc. prof. 54-61, prof. & chmn. dept. 61-66; PROF. ECON. & PUB. AFFAIRS, PRINCETON, 66- Econ Asn; Indust. Rels. Res. Asn. Sources of interfirm wage differentials; effects of transfer payments on work incentives. Publ: Real wages in manufacturing, 1890-1914; Economics of trade unions. Address: Dept. of Economics, Princeton University, Princeton, N.J. 08540.
- REESE, DAVID GENE, b. Dallas, Tex, Dec. 1, 28; m. 58; c. 2. ECONOMICS, POLITICAL SCIENCE. B.A., Southern Methodist, 50; McGhee fel, Hopkins Sch. Adv. Int. Studies, D.C. 52-53, M.A., Hopkins, 54; Rangoon-Hopkins fel, Rangoon-Hopkins Center Southeast Asian Studies, Rangoon Univ, 54-56; U.S. Govt. fel, Harvard, 64-65, M.P.A., 65. Acting co-dir, Rangoon-Hopkins Center Southeast Asian Studies, Rangoon Univ, 56; econ. analyst, int. div, Ford Motor Co, 57-59; prog. officer, Agency Int. Develop, 59-65; Harvard develop. adv. serv. econ. adv. Govt. Pakistan, 65-67; ECONOMIST, INT. BANK RECONSTRUCT. & DEVELOP, 67- Consult, develop. adv. serv, Harvard, 67. U.S.A., 50-52, Sgt. Econ. Asn; Soc. Pub. Admin; Asn. Asian Studies; Soc. Int. Develop. Development economics; planning and administration. Address: 8706 Post-oak Rd, Potomac, Md. 20854.
- REESE, PROF. HAYNE W(ARING), b. Comanche, Tex, Jan. 14, 31; m. 57; c. 3. PSYCHOLOGY. B.A., Texas, 53, M.A., 55; Ph.D., Iowa, 58. Asst. child welfare res. sta, Iowa, 55-58; asst. prof. psychol, State Univ. N.Y. Buffalo, 58-62, assoc. prof. 62-66, prof. 66-67; vis. prof. KANSAS, 67-68, PROF. HUMAN DEVELOP, 68- Res. consult, Creative Ed. Found, 58- Co-ed, Advances in Child Develop. & Behav, 67- AAAS; Psychol. Asn; Soc. Res. Child Develop; Psychonomic Soc. Experimental child psychology; learning theory; measurement and statistics; effects of language on children's learning; imagery. Publ: Perception of stimulus relations, Academic, 68; Discrimination learning set in rhesus monkeys, Psychol. Bull, 64; co-auth, Patterns of discrimination learning set, Soc. Res. Child Develop. Monogr, 67. Address: Dept. of Human Development, University of Kansas, Lawrence, Kans. 66044.
- REESE, DR. HOWARD CHARLES, Mod. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- REESE, DR. JIM E(ANES), b. Comanche, Tex, May 29, 12; m. 36; c. 4. ECONOMICS. A.M., Texas, 35, Ph.D., 42. Asst. prof. Tex. Col. Arts & Indust, 39-42; Southern Methodist, 42-43, 46; assoc. prof. ECON, OKLAHOMA, 46-49, prof. 49-61, DAVID ROSS BOYD PROF, 61-, chmn. dept. 48-54. U.S.N., 43-46. Econ. Asn. Economic behavior and governmental policy; price policy. Publ: Our American economy; co-auth, An economic history of the United States, Houghton, 58 & 65; Cowboys, cattle and commerce. Address: Dept. of Economics, University of Oklahoma, Norman, Okla. 73069.
- REESE, PROF. T(HOMAS) W(HELAN), b. Baltimore, Md, Dec. 13, 08; m. 31; c. 2; m. 49. PSYCHOLOGY. B.A., Cambridge, 31, M.A., 44; Ph.D.(psychol), Columbia, 42. Asst. prof. PSYCHOL, MT. HOLYOKE COL, 42-43, 45-47, assoc. prof. 47-50, PROF, 50-, dir. psychophys. res. unit, 46-51. Fulbright fel, Ankara, 51-52; spec. res. fel. zool, Cambridge, 66-67. Chief intel. sect, Off. War Info, London, 43; chief biog. records div, cent. info. div, Off. Strategic Serv, London, 44-45. Fel. AAAS; fel. Psychol. Asn; Psychonomic Soc; fel. N.Y. Acad. Sci. Psychophysics; conditioning. Address: Dept. of Psychology, Mt. Holyoke College, South Hadley, Mass. 01075.
- REESER, DR. ROBERT M, b. Paris, Ill, Jan. 2, 22; m. 48; c. 3. AGRICULTURAL ECONOMICS. B.Sc., Ohio State, 48, M.Sc., 56, Ph.D., 60; summer fel, Illinois, 58. Mgr, Union County Farm Bur. Coop. Asn, Ohio, 52-55; asst. AGR. ECON, agr. exp. sta, Ohio State Univ, 56-57, asst. instr. 57-59, instr. 59-61, asst. prof. OHIO STATE UNIV. & OHIO AGR. RES. & DEVELOP. CENTER, 61-66, ASSOC. PROF, 66- Farm mgt. adv. Ohio State Univ-U.S. Agency Int. Develop. contract, Univ. Udaipur, India, 62-64. Consult, Franklin County Regional Planning Cmn, 64-67; prinl. farm. mgt. consult, 66-; consult, Univ. Cincinnati, 67; Stanford Res. Inst., 67. U.S.A.A.F., 43-46. Agr. Econ. Asn; Soil Conserv. Soc. Land economics; land use trends, planning and control; provision and management of water in rural areas; farm management and cost of production; foreign agricultural development and land reform. Publ: Co-auth, How to improve irrigation farming in India, Univ. Udaipur, India, 65; Land tenure in Vietnam: a data compilation, 3 Vols, Stanford Res. Inst., 67; Land management practices affecting income on Hoytville soils, Ohio Agr. Exp. Sta. Res. Bull. Address: Dept. of Agricultural Economics & Rural Sociology, Ohio State University, 2120 Fyffe Rd, Columbus, Ohio 43210.
- REEVE, DR. JAY W(HITNEY), b. Merced, Calif, Aug. 29, 24; m. 45; c. 3. EDUCATIONAL & COUNSELING PSYCHOLOGY. A.B., Stanford, 48, A.M., 49, Ed.D., 56. Teacher, pub. schs, Calif, 49-54, psychologist, 55-60, asst. guid. & counseling, Stanford, 54-55; assoc. prof. ed. & counseling psychol, Univ. of the Pacific, 60-64, prof. 64-67, chmn. dept. 61-67; ASST. PROF. COUNSR. ED, SAN JOSE STATE COL & CONSULT. PSYCHOL. MEASUREMENT, CENTER INTERDISCIPLINARY STUDIES, 67- Vis. lectr, New Mexico Highlands, 57; San Jose State Col, 59; California & Stanford, 60. Psychometrician, State Voc. Rehab, Calif, 56; psychol. diagnostician, County Dept. Probn. & Welfare, 57- Consult, bur. guid, State Dept. Ed, Calif, 60; several county schs. & unified dist. schs. off, 60- Mil. Intel, 43-46, Res, 46-50, 1st Lt. Psychol. Asn; Personnel & Guid. Asn. Emotionally disturbed hospital children; evaluation of instruction; differential diagnosis of sub-clinical entities; prevention of delinquency. Address: 3953 Forestwood Dr, San Jose, Calif. 95121.
- REEVE, DR. JOSEPH E(DWIN), Econ, see 10th ed, Soc. & Behav. Vols.
- REEVES, DR. EARL J(AMES) (JR), b. Muskogee, Okla, Mar. 16, 33; m. 59; c. 3. POLITICAL SCIENCE, URBAN STUDIES. B.A., Wichita State, 54, M.A., 59; Ph.D.(polit. sci), Kansas, 62. Instr. POLIT. SCI, Kansas, 61-62; asst. prof. Omaha, 62-64; ASSOC. PROF, MISSOURI, ST. LOUIS, 64-, ASSOC. DIR, CENTER COMMUNITY & METROP. STUDIES, 67-, acting dir, 65-67. Consult, Cent. Midwest. Regional Ed. Lab, 66-; Inst. Polit. Internships, 67. U.S.A.F., 54-58, Res. 58-62. Polit. Sci. Asn; Soc. Pub. Admin. Local government and urban politics, especially the politics of urban fragmentation and metropolitan reorganization. Publ: Co-auth, Approaches to the study of urbanization, Univ. Kansas, 63; ed, Report of inter-university seminar on urban extension, Univ. Missouri Exten. Div, 11/66; auth, Political integration in metropolitan St. Louis, Midwest Rev. Pub. Admin, 2/67. Address: University of Missouri, 8001 Natural Bridge, St. Louis, Mo. 63121.
- REEVES, PROF. EARL Y, b. Gilbertsville, Pa. May 13, 28; m. 65; c. 3. SOCIOLOGY. A.B., East. Baptist Col, 49; B.D., East. Baptist Theol. Sem, 52; univ. scholar, Pennsylvania, 53-55 & 56-57, M.A., 54, Earhart Found. fel, 54-55, Albert Greenfield Center Human Rels. fel, 55-56, Ph.D.(sociol), 62. Instr. sociol, Pennsylvania, 53-55 & 56-57; asst. prof. Col. William & Mary, 57-59; human factor scientist, Syst. Develop. Corp, 59-63; asst. prof. SOCIOL, Beaver Col, 63-64; PROF. KUTZTOWN STATE COL, 64- Sociol. Asn. Deviant behavior, especially sociology of suicide. Publ: Co-auth, Survey of the medically indigent in Pennsylvania, Commonwealth Pa, 56 & Simulation: an introduction to a new technology, Syst. Develop. Corp, 60. Address: Dept. of Social Sciences, Kutztown State College, Kutztown, Pa. 19530.
- REEVES, PROF. FLOYD W(ESLEY), b. Castalia, S.Dak, Nov. 16, 90; m. 15; c. 3. POLITICAL SCIENCE. B.S., Huron Col, 15; Wisconsin, 16; A.M., Chicago, 21, fel, 22-23, Ph.D., 25; LL.D., Albion Col, 32, Bethany Col, 40, Kent State, 40, Temple, 41. Prof. ed. & head dept. ed. admin, Kentucky, 25-29, dir. bur. sch. serv, 27-29; prof. ed. Chicago, 29-38, admin, 38-53; from prof. ed. admin. to DISTINGUISHED PROF. ED. & CONSULT. TO PRES, MICH. STATE, 53- Dir, Tenn. Valley Authority, 33-35; exec. asst. adv. cmn, Coun. Nat. Defense, 40; dir, Off. Prod. Mgt, 41. Consult, Nat. Resources Planning Bd, 41-43; UNESCO ed. Mission, Philippines, 49. Trustee, Nat. Inst. Pub. Affairs, 61- Chmn, President's Adv. Cmt. Ed, 36-39; Conf. Postwar Readjust. Civilian & Mil. Personnel, 42-43. Soc. Pub. Admin. University, public and business administration. Publ: Personnel administration in the federal service; The liberal arts college; ed. & co-auth, The University of Chicago survey. Address: Dept. of Education, Michigan State University, East Lansing, Mich. 48823.
- REEVES, DR. GEORGE C(OOPER), b. Columbus, Ind, July 28, 08; m. 41; c. 1. ECONOMICS. Ph.D., Naples, 32; Ph.D., Indiana, 35. ECONOMIST, U.S. TARIFF CMN, 44- Address: 9300 Rhode Island Ave, College Park, Md. 20740.
- REEVES, H(ERMAN) CLYDE, b. Scott Co, Ky, July 6, 12; m. 41; c. 2. POLITICAL SCIENCE, ECONOMICS. A.B., Kentucky, 33, M.A., 34; fel. & M.S., Syracuse, 35. Method consult, Works Progress Admin, 35-36; procedural consult, U.S. Off. Ed, 36; exec. asst. to cmnr, State Dept. Revenue, Ky, 36-39, cmnr. revenue, 39-52, 48-52; asst. dep. adminstr, Vet. Admin, 46; gen. mgr, Louisville Transit Co, 46-38; v-pres, Bankers Life & Casualty Co, 52-54; asst. to pres, Stephens Col, 54-56; pres, Ky. Independent Col. Found. 60-63; PROF. POLIT. SCI. & V.PRES. HUNTSVILLE AFFAIRS, ALABAMA, HUNTSVILLE, 63- Adj. prof, Kentucky, 41, 51; Louisville, 62. Consult, UNESCO, France, 47; Legis, Alaska, 51; Ky. Fair & Exposition Center, 54-60; U.S. Agr. Cmn. Intergovt. Rels, 62; Ohio Tax Study Cmn, 66-67; cmt. improv. mgt. in govt, Cmt. Econ. Develop, 66-69; Dir. Property Valuation, State of Ariz, 67-68. Dir, Revenue Surv, Guam, 50; Virgin Islands, 51. U.S.C.G., 42-45, Comdr. Soc. Pub. Admin. Address: University of Alabama in Huntsville, P.O. Box 1247, West Station, Huntsville, Ala. 35807.
- REEVES, PROF. JOHN ESTILL, b. Owenton, Ky, Nov. 5, 02. GOVERNMENT. A.B., Kentucky, 26, A.M., 38; Columbia, 39-40. Instr. POLIT. SCI, KENTUCKY, 40-41, asst. prof, 41-60, ASSOC. PROF, 60- Admin. analyst, U.S. War Dept, 43-44. Polit. Sci. Asn; Soc. Pub. Admin. State and local government and politics, especially of Kentucky. Publ: Co-auth, Safeguarding Kentucky's natural resources, Fundamentals of citizenship: Kentucky civics & Kentucky government. Address: Dept. of Political Science, University of Kentucky, Lexington, Ky. 40506.
- REEVES, DR. LERONZO THOMPSON, JR, b. Birmingham, Ala, Dec. 16, 20; m. 61. MARKETING, ECONOMICS. B.S., Alabama, 42; M.B.A., Northwestern, 47, Ph.D., 58. Res. assoc. sch. bus. Northwestern, 52-55; commercial property specialist, Molton, Allen & Williams, Inc, 55-56; asst. prof. mkt, Alabama, 57-58; prof. econ. & bus. admin. & chmn. div. bus. admin, Stamford, 58-65, PROF, 65-67; FINANCE, ALABAMA, 67- Consult, Gen. Motors Corp, 58-64; mem, Gov. Indust. Adv. Cmt, 66- U.S.N., 42-46, Lt. Mkt. Asn. Marketing and general management. Publ: Co-auth, Training manual in salesmanship; co-auth, Cases in salesmanship, Nat. Soc. Sales Training Exec, 63. Address: 17 Lynn Haven, Tuscaloosa, Ala. 35401.
- REEVES, DR. MAVIS MANN, b. Athens, W.Va, Dec. 24, 21; m. 56; c. 1. POLITICAL SCIENCE. B.A., West Virginia, 42, M.A., 43; fel, North Carolina, 43-46, Ph.D.(polit. sci), 47. Instr. polit. sci, West Virginia, 47-48, asst. prof, 49-56, assoc. prof, 56; asst. prof. POLIT. SCI, Louisville, 60-62, assoc. prof, 62-65; LECTR, MARYLAND, 67- Congressional fel, Polit. Sci. Asn, 53-54; Fulbright prof, Keio Univ, Japan, 54-55; summer lectr, Kyoto, Japan, 55. Consult, W.Va. Legis, 48; White House Staff, 53-54; Louisville & Jefferson County Planning & Zoning Cmn, 59- Mem, defense adv. cmn, Women Armed Serv, U.S. Dept. Defense, 55-59. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. State and local government; political parties and elections; congress. Publ: Structure of city government in West Virginia; Progress through planning, Louisville-Jefferson County Planning & Zoning Cmn, 61; co-auth, West Virginia government and administration, West Virginia Univ. Bur. Govt. Res, 63. Address: 5601 Wood Way, Washington, D.C. 20016.
- REEVY, DR. WILLIAM R(OBERT), b. Dobsina, Czech, Feb. 3, 22; nat; m. 60; c. 3. CLINICAL PSYCHOLOGY. B.A., Stanford, 46; fel, Menninger Found,

53-54; Ph.D.(clin. psychol), Pa. State, 54. Assoc. prof. psychol, Richmond Pfrl. Inst. Col. William & Mary, 54-55; instr, De Paul, 55-56, asst. prof. 56-57; asst. prof. psychol. & counsr, Sacramento State Col, 57-60; assoc. prof, Tex. Tech. Col, 60-61; dir. clin. res, North. Va. Ment. Health Proj, Dept. Ment. Hyg. & Hosps, Va, 61-62; assoc. chief psychologist, D.C. Gen. Hosp, 62-64; assoc. prof. psychol, State Univ. N.Y. Col. Cortland, 64-68; ASSOC. PROF. PSYCHOL. & HEAD DEPT. ED. & PSYCHOL, N.MEX. INST. MIN. & TECH, 68- Asst. prof. psychiat, med. sch, Georgetown, 62-64. Summers, via. prof, Arkansas, 54, counsr, Illinois, 59, lectr, Conn, 60. Consult, Dept. Ment. Hyg, State of N.Y., 64-; panel psychologist, div. Voc. Rehab, N.Y., 67-; mem. instr. staff, Frederick Moran Mem. Inst. Crime & Delinquency, 67. Mem. adv. coun. Inst. Rational Living, 64-; fel, 67- U.S.A.A.F., 42-43. Psychol. Asn; Soc. Aesthetics; Soc. Sci. Study Sex; fel. Soc. Appl. Anthropol; fel. Asn. Marriage Counsr; Acad. Polit. Sci; Nat. Coun. Family Rels; N.Y. Acad. Sci. Personality dynamics and human motivation; counseling and psychotherapy; sexual behavior; content analysis of verbalized material in the study of personality; theory construction in psychopathology; schizophrenia. Publ: Adolescent sexuality & Child sexuality, In: Encyclopedia of Sexual Behavior, 61; Vested genital apposition and coitus, Adv. Sex. Res, 63. Address: Dept. of Education & Psychology, New Mexico Institute of Mining & Technology, Socorro, N.Mex. 87601.

REFIOR, PROF. EVERETT L(EE), b. Donnellson, Iowa, Jan. 23, 19; m. 43; c. 4. ECONOMICS, INDUSTRIAL RELATIONS. B.A. Iowa Wesleyan Col, 42; Glasgow, 45; M.A., Chicago, 55; Ford Found. summer fel, Wisconsin, 57; Ph.D.(labor, mgt), Iowa, 62. Instr. econ. & bus, Iowa Wesleyan Col, 47-50; asst. soc. sci, Iowa, 50-51, instr. soc. sci. & indust. mgt, 54-55, asst. bur. labor & mgt, 51-52; assoc. prof. bus. & econ, Simpson Col, 52-54; asst. prof. ECON. WIS. STATE, WHITEWATER, 55-62, assoc. prof, 62-64, PROF, 64-, CHMN. DEPT, 66- U.S.A., 43-46. Econ. Asn; Indust. Rels. Res. Asn. Labor market analysis; union-management relations; teaching of economic principles; general social science; problems of world peace; personnel problems. Publ: Flexibility in manpower utilization, Univ. Iowa, 62; co-auth, Estimating the labor supply in a rural community. Address: Dept. of Economics, Wisconsin State University, Whitewater, Wis. 53190.

REGAN, DR. JAMES J(OSEPH), b. Detroit, Mich, Aug. 27, 24; m. 58; c. 2. PSYCHOLOGY. Ph.B., Detroit, 48; M.A., Fordham, 51, Ph.D.(psychol), 57. Res. asst., Fordham, 49-50, jr. res. assoc., 49-51; psychologist, systs. psychol. div, Naval Training Device Center, 51-53, head, 53-65, asst. head, personnel & training br, Off. Naval Res, 65-66; CHIEF PSYCHOLOGIST, HUMAN FACTORS, RES. & DEVELOP, NAVAL TRAINING DEVICE CENTER, 66- U.S.N., 44-46. AAAS; Psychol. Asn; sr. mem. Inst. Elec. & Electronics Eng; Ergonomics Soc; Human Factors Soc. Adult human learning; human factors engineering; computer assisted instruction and education technology. Publ: Tracking performance related to display control configurations, J. Appl. Psychol, 44: 310-314; co-auth, Programed instruction in the armed forces—an overview, In: Applied programed instruction, Wiley, 62; & Training system design, In: Human engineering guide to equipment design, Am. Insts. Res, (in press). Address: 1171 Willowbrook Trail, Maitland, Fla. 32751.

REGAN, DEAN WILLIAM JOHN, b. Sacramento, Calif, Apr. 29, 22; m. 49; c. 2. BUSINESS ADMINISTRATION. B.S., California, Berkeley, 44, M.B.A., 47; Ph.D.(bus), Stanford, 58. Instr, San Francisco State Col, 54-57, asst. prof, 57-61, assoc. prof, 61-64; prof, SAN FRANCISCO, 64-68, DEAN, COL. BUS. ADMIN, 67- U.S.N.R., 44-46, Lt.(jg). Mkt. Asn; Econ. Asn. Marketing, including retailing, services, products, public relations, advertising and the foundations of consumer behavior; business and society. Publ: The service revolution, J. Mkt, 7/63; Stages of retail development, In: Theory in marketing, Irwin, 2nd ed, 64; co-auth, The productified way of life, Calif. Mgt. Rev, fall 65. Address: College of Business Administration, University of San Francisco, San Francisco, Calif. 94117.

REGENSTREIF, DR. S(AMUEL) PETER, b. Montreal, Que, Sept. 9, 36; m. 59; c. 3. POLITICAL SCIENCE. B.A., McGill, 57; Ph.D.(govt), Cornell, 63. Res. assoc. POLIT. SCI. & CAN. STUDIES, ROCHESTER, 61-63, asst. prof, 63-66, ASSOC. PROF, 66-, COORDINATOR CAN. STUDIES PROG, 66- Vis. prof, Montreal, 65, Consult, Can. Royal Cmn. Bilingualism & Biculturalism, 64-66. R.C.A.S.C., 54-57, Lt. Am. Polit. Sci. Asn; Can. Polit. Sci. Asn. Comparative politics; voting behavior; political parties; survey research. Publ: The Diefenbaker interlude: parties and voting in Canada, Longman's Can. 65; Some aspects of new democratic party urban support in 1965, 67, Can. J. Econ. & Polit. Sci. Address: Dept. of Political Science, University of Rochester, Rochester, N.Y. 14627.

REGUERO, DR. M(IGUEL) A(NGEL), b. P.R., Apr. 14, 18; m. 53; c. 2. ECONOMICS, STATISTICS. B.A., N.Y. Univ, 47, M.A., 49, Ph.D., 58. Field engr, U.S. Dept. War, Bermuda, 42-43; M. Shapiro & Sons, N.Y., 47-48; instr. math, St. Francis Col.(N.Y.), 48-49; economist & statistician, air mat. command, U.S. Dept. Air Force, 51-59; ASSOC. PROF. bus. admin, Drake, 59-65; finance & statist, Drexel Inst, 65-66; econ. & quant. methods, Wayne State, 66-68; ECON. & STATIST, IONA COL, 68- Lectr, U.S. Air Force Inst. Tech, 58-61. Econ. Asn; Statist. Asn. Military aeronautical industry, economic, statistical and industrial aspects; management. Publ: An economic study of the military airframe industry. Address: School of Business Administration, Iona College, New Rochelle, N.Y. 10801.

REHBERG, DR. RICHARD ALAN, b. Oct. 13, 38; U.S. citizen; m. 60; c. 2. SOCIOLOGY. B.S., Drexel Inst, 60; M.A., Pa. State, 62, U.S. Off. Ed. grant, 63-65, Ph.D.(sociol), 65. Res. fel. sociol. & ed. center adv. study ed. admin, Univ. Oregon, 65-66; ASST. PROF. SOCIOL, STATE UNIV. N.Y. BINGHAMTON, 66- Res. grants, State Univ. N.Y. Res. Found, 66- & Nat. Sci. Found, 67-69. AAAS; Sociol. Asn. Adolescent behavior, especially various types of achievement and the relationship of athletics to achievement; research methodology. Publ: Co-auth, Parental encouragement, occupation, education, family size: artifactual or independent determinants of adolescent educational expectation, Social Forces, 3/67; auth, Adolescent career aspirations and expectations: an evaluation of two contrary stratification hypotheses, Pac. Sociol. Rev, fall 67; auth, Participation in interscholastic

athletics and college expectations, Am. J. Sociol, 5/68. Address: Dept. of Sociology, State University of New York at Binghamton, Binghamton, N.Y. 13901.

REHER, PROF. WILLIAM C(HARLES), b. St. Louis, Mo, Mar. 30, 19; m. 49; c. 3. ECONOMICS. B.S.C., St. Louis, 41, M.Sc., 48; fel, Michigan, 51-53, Ph.D.(econ), 57. Instr. acct, St. Louis, 48-51; ECON, Michigan, 53-57; asst. prof, Univ. Kansas City, 57-58; Iowa, 58-65; assoc. prof, TEXAS, ARLINGTON, 65-67, PROF, 67- Econ. Asn. Money and banking; economic theory; public finance; cross sectional analysis of economic behavior. Publ: A basic obstacle to consistent tax policies, Iowa Bus. Digest, 12/64; A multivariate analysis of contractual saving, Rev. Econ & Statist, 2/66. Address: Dept. of Economics, University of Texas at Arlington, Arlington, Tex. 76010.

REHFISCH, DR. JOHN MORSE, Psychol, see 10th ed, Soc. & Behav. Vols.

REHFUSS, DR. JOHN ALFRED, b. Salem, Ore, Dec. 3, 34; m. 57; c. 3. POLITICAL SCIENCE. B.A. Willamette, 56; M.S., Southern California, 58, D.P.A., 65. Admin. asst, City of Pico Rivera, Calif, 62-65; asst. prof. polit. sci, San Jose State Col, 65-67; ASSOC. DIR. SERV. CMN, U.S. CIVIL TRAINING CENTER, BERKELEY, 67- Asst. city mgr, City of Palm Springs, Calif, 62-65. Nat. Guard, 58-59. Soc. Pub. Admin; Polit. Sci. Asn. Public administration; state and local government; urban and metropolitan affairs. Publ: Boundary agreements: an answer to the annexation struggle?, In: Public Affairs Report, Inst. Govt. Studies, Univ. California, 67; Four views of metro, Urban Affairs Quart, 6/68. Address: 5085 Elrose Ave, San Jose, Calif. 95124.

REHN, PROF. H(ENRY) J(OSEPH), b. Kolb, Russia, Nov. 2, 00; U.S. citizen; m. 29; c. 1. BUSINESS MANAGEMENT. B.S., Ore. State Col, 24; M.B.A., Oregon, 25; Ph.D., Chicago, 30. Asst. prof, State Col. Wash, 25-27; assoc. prof, Texas, 27-29, 30-31; treas, Am. Far East. Match Co, 31-37; cost acct. text writer, Walton Sch. Commerce, 37-38; from assoc. prof. to prof, Temple, 38-45; PROF. BUS. ADMIN, SOUTHERN ILLINOIS, 45-, dean sch. bus, 45-65. Assoc. prof, Chiao-Tung Univ, 31-32; job instr. writer, Radio Corp. Am, 42-45. AAAS; Econ. Asn; Soc. Adv. Mgt; Am. Acct. Asn. Scientific management in the textile industry; cost accounting. Address: School of Business, Southern Illinois University, Carbondale, Ill. 62901.

REHNBERG, PROF. REX D, b. Bertrand, Neb, Feb. 1, 20. AGRICULTURAL ECONOMICS. B.S., Nebraska, 43; M.S., Cornell, 47; Ph.D., Purdue, 50. Asst. agr. economist, Arizona, 49-52; COLORADO STATE, 52-55, from assoc. agr. economist to CHIEF ECONOMIST, 55-, PROF. ECON, 62-, acting head dept. econ. & sociol, 54-56, assoc. prof. & head dept, 56-62. Res. consult, agr. exp. sta, Puerto Rico, 61-62. Economics of irrigation practices; contribution of agriculture to economic development. Address: Dept. of Economics, Colorado State University, Ft. Collins, Colo. 80521.

REHULA, DR. ROBERT J(AMES), b. Cleveland, Ohio, Oct. 8, 28; m. 50; c. 1. PSYCHOLOGY. B.S., Kent State, 56, M.A., 57; Ph.D.(psychol), Northwestern, 60. Asst. psychol, Northwestern, 57-60; proj. dir. curriculum res, SCI. RES. ASSOCS, INC, 60-63, dir. mat. eval, 63-65, dir. reading mat, 65-67, DIR. EVAL, 68- U.S.A., 51-53, Sgt. Psychol. Asn; Ling. Soc; Ed. Res. Asn. Learning theory; cognitive processes; the reading process; definition and evaluation of educational objectives; instructional theory; multi-media instructional systems. Address: 2314 Glen Flora Ave, Waukegan, Ill. 60085.

REICH, DR. BERNARD, b. Brooklyn, N.Y., Dec. 5, 41; m. 63; c. 1. POLITICAL SCIENCE. B.A., City Col. New York, 61; M.A., Virginia, 63. Nat. Defense Ed. Act fel. & Ph.D.(for. affairs), 64. Asst. prof. polit. sci, George Washington, 64-67; PRIN. INVEST. MID. EAST & N.AFRICAN AFFAIRS, RES. ANAL. CORP, 67- Fulbright res. grant, U.A.R., summer, 65; asst. prof, George Washington, 68- Polit. Sci. Asn; Mid. East Inst; Mid. East Studies Asn. N.Am; Inst. Strategic Studies. Middle East government and politics; inter-state relations in the Middle East and North Africa; Israel's role in world affairs. Publ: Israel's policy in Africa, Mid. East J, winter 64. Address: 2921 Craiglawn Rd, Silver Spring, Md. 20904.

REICH, DR. DONALD RAYMOND, b. Two Rivers, Wis, Apr. 4, 30; m. 57; c. 3. POLITICAL SCIENCE. B.A., Wisconsin, 52; W. German govt. scholar, Heidelberg, 58-59; Ph.D.(polit. sci), Harvard, 61. Asst. prof. govt, OBERLIN COL, 61-67, assoc. prof. govt. & assoc. dean soc. sci, 67-68, PROF. GOVT. & DEAN COL. ARTS & SCI, 68- Center Adv. Study Behav. Sci. & Am. Coun. Learned Soc. fcls, 65-66. U.S.A., 53-55, 1st Lt. AAAS; Polit. Sci. Asn; Law & Society Asn. American constitutional law and constitutional development; judicial behavior and the legal process; American politics and government; public administration. Publ: Court, comity and federalism in West Germany, Midwest J. Polit. Sci, 63; The impact of judicial decision making: the school prayer cases, In: The Supreme Court as policy maker, Southern Illinois, 68; The Oberlin fair housing ordinance: a case study in community politics, In: Case studies in fair housing, Chandler Pub. 68. Address: Dept. of Government, Oberlin College, Oberlin, Ohio 44074.

REICH, DR. JOHN W, b. Oklahoma City, Okla, Dec. 26, 37. PSYCHOLOGY. B.A., Oklahoma, 60, M.S., 63; Nat. Inst. Ment. Health fcls, Colorado, 62-63, 64-65, Ph.D.(psychol), 65. Res. asst. PSYCHOL, inst. group rels, Oklahoma, 60-62; Colorado, 63-64; ASST. PROF, ARIZONA STATE, 65- AAAS; Psychol. Asn. Social influences on cognition and personality variables involved in discrimination and generalization, especially in attitudinal and judgmental behavior. Publ: Co-auth, Ego-involvement as a factor in attitude assessment by the own categories technique, Univ. Oklahoma, 63; auth, Experience variables in attitude formation, Am. Psychologist, 66; Attitudes and cognitive discrimination: a methodological note, J. Soc. Psychol, 68. Address: Dept. of Psychology, Arizona State University, Tempe, Ariz. 85281.

REICH, PROF. NATHAN, b. Terszow, Austria, June 6, 00. LABOR ECONOMICS. B.A., McGill, 25, Can. Mfr. fel. & M.A., 26; Ph.D., Columbia, 37. Asst. ed, Encyclop. Soc. Scis, 30-34; from instr. to PROF. ECON, HUNTER COL, 34- Guggenheim Mem. Found. fel, 40-41; res. dir, Am. Joint Distribution Cmt, 44-48; lectr, Columbia, 44-50; vis. prof, Frankfurt, 54, Fulbright lectr, 64. Chmn. bd. dirs, Yivo Inst. Jewish Res, 56- Mem. panel arbitra-

tors, State Mediation Bd, N.J. Econ. Asn; Indust. Rels. Res. Asn. Canadian pulp and paper industry; labor relations in Republican Germany. Publ: Co-auth, The American Jew, Jewish Pub. Soc, 65. Address: Dept. of Economics, Hunter College, New York, N.Y. 10021.

REICHARD, DR. RICHARD WILSON, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

REICHEL-DOLMATOFF, GERARDO, b. Salzburg, Austria, Mar. 6, 12; m. 43; c. 4. SOCIAL ANTHROPOLOGY, ARCHAEOLOGY. Sorbonne, 37-39; hon. Ph.D. Bogota, 57. Asst. Nat. Ethnol. Inst, Bogota, Colombia, 43-45; dir. field res, 45; dir. Inst. Ethnol. del Magdalena, Santa Marta, 46-50; chmn. dept. ethnog, Colombia Inst. Anthropol, Bogota, 52-54; prof. archaeol, 52-63; chief res. asst, 54-63; mem. staff coord. coun, 52-63; CHMN. DEPT. ANTHROP, UNIV. OF THE ANDES, COLOMBIA, 63- Wenner-Gren Found. res. fel, 51-53. Francisco de P. Santander medal, Ministry Ed, Colombia, 64; Officer, Order Palmes Académiques, Ministry Ed, France, 67. Fel. AAAS; for. fel. Anthropol. Asn; Soc. Am. Archaeol; Soc. Appl. Anthropol; Ethnol. Soc; hon. fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Archaeology and cultural anthropology of Northern Colombia, South America; acculturation; ethnology of northwest Amazon. Publ: Los Kogi; The people of Arimita; Colombia: ancient peoples and places, Thames & Hudson, 61. Address: Apartado aéreo 11313, Bogotá-2, Colombia.

REICHENBERG-HACKETT, PROF. WALLY, b. Vienna, Austria, Mar. 5, 95; nat. m. 39. PSYCHOLOGY. M.A. Boston, 31; Ph.D. (psychol), Vienna, 35. Hon. fel. Duke, 35-36; ed. dir. Menninger Found, 36-38; instr. psychol, Fordham, 38-39; consult. psychologist, Riverdale County Sch, 39-46; asst. prof. PSYCHOL, DUKE, 46-59, assoc. prof, 59-66, EMER. PROF, 66- Instr, Sarah Lawrence Col, 41-43; Hunter Col, 44-46. Fel. Psychol. Asn; Orthopsychiat. Asn; Group Psychother. Asn; Int. Coun. Psychol. Child development; mental hygiene; projective methods; group therapy. Address: Dept. of Psychology, Duke University, Durham, N.C. 27706.

REICHLEY, DR. M(ARLIN) S(HERWOOD), b. Bellevue, Ohio, Feb. 2, 15; m. 41; c. 4. ECONOMICS. B.S. Georgetown, 35; M.S. 36, Ph.D. 39. From dep. dir. to acting dir. dept. res, INDUSTR. COL. ARMED FORCES, 45-47, dir. tech. anal, 47-48, dir. instr, 48-64, dir. resident sch, 64-66, SR. ED. ADV, 66- Commandant, Linton Hall Mil. Sch, 36-66; librn, sch. for serv, Georgetown, 35-41, asst. prof, 34-41, prof. lectr, 54-58; Secy. Army res. & study fel, 65-66. Mem. Secy. Army. Bd. Correction Mil. Records, 56-; adv. bd, Air Training Command, Dept. Air Force, 67- U.S.A.R. Col. AAAS; Polit. Sci. Asn; Acad. Polit. Sci; Econ. Asn. Address: Industrial College of the Armed Forces, Ft. Lesley J. McNair, Washington, D.C. 20315.

REICHSTEIN, DR. KENNETH JAY, b. New York, N.Y., Jan. 7, 38; m. 60. SOCIOLOGY. B.A. Syracuse, 59; M.A. Northwestern, 61, Ph.D. (sociol), 64. Asst. prof. sociol, Wisconsin, 64-66; soc. scientist, Judicial Conf. Laws Pertaining to Ment. Disorder Proj, 66-67; ASST. PROF. SOCIOL, TEMPLE, 67- Russell Sage fel. sociol. & law, 64-66; soc. scientist, inst. criminal law & procedure, Georgetown, 66. Sociol. Asn; Soc. Study Social Probs; Law & Society Asn. Sociology of law; criminology; deviant behavior; social problems; social organization; law and psychiatry. Publ: Ambulance chasing: a case study of deviation and control within the legal profession, Soc. Probs, summer 65; Appeals day: a study of academic justice, Law & Soc. Rev, 2/68. Address: Dept. of Sociology, Temple University, Philadelphia, Pa. 19122.

REID, PROF. CATHERINE F(RANCES), Psychol, see 10th ed, Soc. & Behav. Vols.

REID, PROF. IRA DE A(UGUSTINE), b. Clifton Forge, Va, July 2, 01. SOCIOLOGY. A.B. Morehouse Col, 22, LL.D. 51; A.M. Pittsburgh, 25; Ph.D. Columbia, 39; London, 39. Indust. secy, N.Y. Urban League, 24-28; dir. res, Nat. Urban League, 28-34; prof. sociol, Atlanta, 34-46; ed, N.Y. Univ, 46-47; SOCIOL, HAVERFORD COL, 47-65, EMER. PROF, 65- Vis. prof, N.Y. Sch. Soc. Work, 51-54; vis. dir, dept. extra-mural studies, Univ. Col. Nigeria, 62; Danforth vis. prof, Int. Christian Univ, Japan, 62-63. Ed, Phylon, 40-46. Sociol. Asn. (asst. ed, Rev, 47-49; v-pres, 52-53). Structure and culture of racial and ethnic populations; demography; sociology of professions. Publ: Adult education among Negroes; Negro membership in American labor unions; The urban Negro worker in the United States: 1925-1935. Address: 2 College Lane, Haverford, Pa. 19041.

REID, PROF. JACKSON B(ROCK), b. Honea Path, S.C. Sept. 18, 21; m. 47; c. 2. PSYCHOLOGY. B.S. The Citadel, 42; Ariz. State Col, 48; Ph.D. (psychol), California, Los Angeles, 51. Asst. prof. ED. PSYCHOL, TEXAS, AUSTIN, 51-55, assoc. prof, 55-59, PROF, 59-, ASSOC. DEAN GRAD. STUDIES, COL. ED, 65- Res. scientist, radiobiol. lab, Univ. Texas & U.S. Air Force, 52-55. Chmn. bd. dirs, Psychol. Res. Serv, Inc, 56- U.S.A. 42-47, Capt. AAAS; Psychol. Asn; Inter-am. Soc. Psychol. Psychology of learning; behavioral effects of radiation; developmental psychology; computer-assisted instruction. Publ: Activity levels as a consequence of reserpine administration; Cognitive and other personality characteristics of creative children, Psychol. Reports; Teaching machines and variation of feedback, Proc. Ninth Cong. Interam. Soc. Psychol. Address: Sutton Hall 114, University of Texas, Austin, Tex. 78712.

REID, PROF. J(AMES) H(ENRY), Mkt, see 10th ed, Soc. & Behav. Vols.

REID, DR. JOHN W(ALLING), b. Binghamton, N.Y., Nov. 8, 17; m. 47; c. 1. PSYCHOLOGY. A.B. Swarthmore Col, 40; M.A. Pennsylvania, 47; summer, Harvard, 49; Ed.D. Columbia, 61. Teacher, Haverford Sch, Pa. 47; instr. psychol, Bethany Col. (W.Va), 47-48; asst. prof. psychol. & dir. testing, Westminster Col. (Pa), 48-50; asst. prof. psychol. & dir. psychol. serv, Albright Col, 50-51; asst. prof. psychol, Ft. Hays Kans. State Col, 52-54; counseling psychologist voc. rehab, regional off, Vet. Admin, N.Y. 54-59; counseling center, Newark Col. Eng, 59-61; vis. prof. PSYCHOL, Drexel Inst. Tech, 61; assoc. prof. & chmn. dept, Cedar Crest Col, 61-62; ASSOC. PROF, INDIANA UNIV. PA, 62-, dir. psychol. clin, 62-65. Summer prof, Howard, 65. Ed. & pub, Checkerboard, 64-67. U.S.A. 42-46. Psychol.

Asn; Personnel & Guid. Asn. Learning theory; human problem solving; counseling and student personnel administration; projective techniques and counseling young adults. Publ: Candor, not shallowness, Contemporary Psychol, 5/63; Work-study course in psychology, Challenge, 9-10/64; To test or not to test, Personnel & Guid. J, 11/65. Address: 426 Jacksonville Rd, Homer City, Pa. 15748.

REID, JOSEPH W(RIGHT), JR, Polit. Sci, see 10th ed, Soc. & Behav. Vols.

REID, DR. LARRY D. b. Eldon, Mo, Oct. 26, 36. PSYCHOLOGY. B.S. Cent. Mo. State Col, 58; M.A. Missouri, Kansas City, 62; Ph.D. (psychol), Utah, 67. ASST. PROF. PSYCHOL, BRADLEY, 67- Psychol. Asn. Functions of the limbic system of the brain; development of intelligence. Address: Dept. of Psychology, Bradley University, Peoria, Ill. 61606.

REID, DR. L(AWRENCE) LEON, b. Martinsburg, W.Va; m. 64; c. 2. PSYCHOLOGY, EDUCATION. B.A. Bridgewater Col, 48; M.A. Marshall, 49; Ph.D. (ed), Texas, 58. Psychologist, Huntington State Hosp, W.Va, 49-51; play therapist, Austin Cerebral Palsy Center, 53-55; asst. prof, Virginia, 56-59; prof, Pittsburgh, 59-65; DIR, GREATER PITTSBURGH GUILD FOR THE BLIND, 65- Res. asst. United Cerebral Palsy of Tex, 53-56; teaching fel, Texas, 54-55; adj. prof, Pittsburgh, 65-; prof, Indiana Univ. Pa, 68- Exp. voc. witness, Soc. Security Admin, 63- U.S.A. 43-45. Psychol. Asn; Asn. Ment. Deficiency; Acad. Cerebral Palsy; Personnel & Guid. Asn; Nat. Rehab. Asn; Med. Correctional Asn. Cerebral palsy; brain injury; mental illness. Publ: Co-auth, A survey of cerebral palsy in Texas, United Cerebral Palsy Tex, 58 & A bibliography of selected articles on cerebral palsy, Stenwix House, 61. Address: Mont Sular, R.D. 2, Box 221, McDonald, Pa. 15057.

REID, PROF. LYNE STARLING, b. Greenville, Miss, Mar. 15, 20; m. 45. EXPERIMENTAL PSYCHOLOGY. B.A. Mississippi, 43, M.A. 44; Ph.D. (psychol), Ohio State, 49. Asst. prof. PSYCHOL, VIRGINIA, 49-54, assoc. prof, 54-61, PROF, 61- U.S.N. 44-46. Fel. Psychol. Asn. Behavior theory; discrimination learning; motivation; short-term memory. Publ: Development of non-continuity behavior through continuity learning, J. Exp. Psychol; Anal, Test for generalized secondary reinforcement during extinction under a different drive & co-auth, The rat's adjustment to 23-hour food-deprivation cycles, J. Comp. Physiol. Psychol. Address: Dept. of Psychology, University of Virginia, Charlottesville, Va. 22901.

REID, PROF. MARGARET G(ILPIN), b. Cardale, Man, Jan. 27, 96; nat. ECONOMICS. B.S. Manitoba, 21; Ph.D. Chicago, 31. Prof. econ, Iowa State Col, 30-45; head family econ. div, U.S. Dept. Agr, 45-48; PROF. ECON, Illinois, 48-51; CHICAGO, 51- Econ. Asn; Economet. Soc; Statist. Asn. Family and consumption economics. Publ: Consumers and the market, F.S. Crofts, 42; Food for people, Wiley, 43; Housing and income, Univ. Chicago, 62. Address: 1155 E. 56th St, Chicago, Ill. 60637.

REID, DR. OTTO M(ARTIN), b. Munich, Germany, June 8, 21; nat. m. 61; c. 1. SOCIOLOGY, PSYCHOLOGY. B.S.S. City Col. New York, 48; M.A. Michigan, 49, Ph.D. 57. Instr. & res. assoc. psychol, Wayne State Col, 52-56; ed. psychologist, U.S. Pub. Health Serv, 56-57; asst. prof. sociol, Howard, 57-61; exec. secy. career develop. rev. br, div. res. grants, Nat. Insts. Health, 61-65, BR. CHIEF SOCIOL, SOC. & REHAB. SERV, U.S. DEPT. HEALTH, ED. & WELFARE, 65- Part-time teacher, Maryland, 65 & American Univ, 66. Consult, submt. aged & aging, U.S. Senate, 59-60. U.S.A.A.F. 41-45, Sgt. Sociol. Asn; Pub. Health Asn. Social psychology; social organizations; medical sociology; community organization. Publ: Collab. Mental health of the industrial worker, Wiley, 65; auth, Aging Americans, Welfare in Rev, 66. Address: Division of Intramural Research, Social & Rehabilitation Service, U.S. Dept. of Health, Education & Welfare, Washington, D.C. 20201.

REID, DR. RALPH W(ALDO) E(MERSON), b. Philadelphia, Pa, July 5, 15; m. 46; c. 1. POLITICAL ECONOMY. B.S. Northwestern, 36; M.A. Hawaii, 38; Ph.D. (govt), Harvard, 49. Asst. to v-pres, Northwestern, 38-40; chief munic. govt. br. & spec. asst, govt. sect, Supreme Comdr. Allied Powers, Tokyo, 46-47; spec. asst. to under secy, U.S. Dept. Army, 48-49, civil affairs & mil. govt. chief, Far East. affairs div, off. occupied areas, 50, chief econ. div, 51-53; asst. to dir, U.S. Bur. Budget, 53-55, asst. dir, 55-61; RES. MGR, A.T. KEARNEY & CO, D.C. 61- U.S.N. 41-46, Res. 46-, Comdr. AAAS; Polit. Sci. Asn; Oriental Soc; Ord. Asn; Soc. Pub. Admin. Comparative government; oriental studies. Address: 412 Monticello Blvd, Alexandria, Va. 22305.

REID, DR. SAMUEL RICHARDSON, b. Milwaukee, Wis, Apr. 5, 27; m. 54; c. 4. BUSINESS ADMINISTRATION, ECONOMICS. B.S. St. Louis, 50, M.S. 59, Ph.D. (bus. admin, econ), 62; summer, Mexico City Col, 58; Minnesota, 59. Rep. mkt. & sales, Bird & Son, Inc, 50-58; lectr. econ. mgt, Parks Col. Aeronaut. Tech, St. Louis, 59; mkt. Southern Illinois, 59-60, asst. prof, 60-61; mkt. & mgt, Canisius Col, 61-62; finance & bus. econ, Notre Dame, 62-65; Ford vis. faculty fel. finance & econ, Carnegie-Mellon Univ, 65-66; ASSOC. PROF. FINANCE, ILLINOIS, CHICAGO, 66- U.S.N. 45-46. Finance Asn; Am. Econ. Asn; Royal Econ. Soc. Growth of business firms; mergers and internal growth; market structures and performance; bank market structures and investment policies. Publ: Mergers, managers, and the economy, McGraw, 68; co-auth, The benefits and costs of bank mergers, J. Financial & Quant. Anal, 12/66; The effects of regulation, branching, and mergers on banking structure and performance, South. Econ. J, 10/67. Address: College of Business Administration, University of Illinois at Chicago Circle, Box 4348, Chicago, Ill. 60680.

REID, DR. SUE TITUS, b. Bryan, Tex, Nov. 13, 39; m. 66. SOCIOLOGY. B.S. Texas Woman's Univ, 60; Nat. Defense Ed. Act fel, Missouri, 60-63, M.A. 62, Ph.D. (sociol), 65. Instr. SOCIOL, CORNELL COL, 63-65, ASST. PROF, 65-, acting chmn. dept, 65-66. Sociol. Asn; Soc. Psychol. Study Social Issues; Soc. Criminol. Criminology; social problems; methods of research. Address: Dept. of Sociology, Cornell College, Mount Vernon, Iowa 52314.

REID, PROF. SYDNEY AUGUSTUS, b. Annotto Bay, Jamaica, May 17, 25; m. 60; c. 2. POLITICAL SCIENCE, BUSINESS ADMINISTRATION. B.S.

- Cornell, 55, M.S. 56, M.P.A. 60; Ph.D.(govt), Massachusetts, 64. Admin. asst. agr. Govt. Jamaica, 46-53; res. asst. soil sci. Cornell, 56-58; adminstr. & res. assoc. biol. res. Found. State Univ. N.Y., 63-65; assoc. prof. POLIT. SCI., VA. STATE COL., 65-66, PROF. & HEAD DEPT., 66-68, Assoc. Perry Found., 68- AAAS; Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Comparative government; institutional and political structures; developmental public administration. Address: Dept. of Political Science, Virginia State College, Petersburg, Va. 23803.
- REID, DR. WALTER BROOK, b. Houston, Tex., Sept. 9, 28; m. 49, 63; c. 1. CLINICAL PSYCHOLOGY. B.A. Houston, 56, M.A. 60, Ph.D.(psychol), 66. Psychologist, David Livingston & Assoc., Tex., 58-60; instr. PSYCHOL, div. child psychiat, MED. BR., TEXAS, 60-63, dept. pediat, 63-65, ASST. PROF., DIV. CHILD PSYCHIAT, 65- Psychol. Asn; Int. Soc. Psychol; Orthopsychiat. Asn; Soc. Proj. Tech. & Personality Assessment. Psychotherapy; psychodiagnostics; consulting. Publ: Co-auth, Effect of tofranil on enuretic boys, Diseases Nervous Syst, 67 & An abbreviated form of the W.I.S.C. for brain damaged and mentally retarded children, J. Consult. Psychol, 68. Address: Division of Child Psychiatry, University of Texas Medical Branch, Galveston, Tex. 77550.
- REIERSON, PROF. CURTIS CALVIN, b. Ft. Worth, Tex., Apr. 18, 29. MARKETING. B.B.A. Baylor, 50, M.S. 51; Harvard, 53; Edinburgh, 55; Ph.D. (bus. admin), Texas, 65. Instr. mkt. & mgmt, BAYLOR, 52-55, asst. prof. MKT, 55-61, assoc. prof. & acting chmn. dept, 61-64, PROF. & CHMN. DEPT, 65- Mkt. Asn. International marketing; retail trade surveys. Publ: Co-auth, Some marketing factors, spring 66 & auth, Are foreign products seen as national stereotypes? fall 66, J. Retailing; Attitude changes toward foreign products, J. Mkt. Res., 11/67. Address: Dept. of Marketing, Baylor University, Waco, Tex. 76706.
- REIERSON, DR. ROY L(ESTER), b. Barnesville, Minn., Nov. 29, 06. ECONOMICS. A.B. St. Olaf Col., 22; LL.D., 60; Minnesota, 26; M.B.A., Northwestern, 29, Ph.D., 35; Oxford, 39. Lectr., Northwestern, 30-33, asst. prof., 33-34; economist, BANKERS TRUST CO., 34-42, asst. v. pres., 46-49, v. pres., 49-61, SR. V. PRES. & CHIEF ECONOMIST, 61- Asst. State Pub. Serv. Cmn., Wis., 33-34; lectr. sch. commerce & grad. sch. bus. admin, N.Y. Univ., 35-42. Consult. U.S.N.R., 42-46, Comdr. Econ. Asn; fel. Statist. Asn; Finance Asn (v. pres, 51); Business fluctuations; money and banking; capital markets. Address: Bankers Trust Co., P.O. Box 318, New York, N.Y. 10015.
- REIFF, DR. DONALD G(ENE), Ling, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- REIFF, PROF. HENRY, b. Brooklyn, N.Y., May 20, 99. INTERNATIONAL LAW. A.B. Harvard, 25, Carnegie Endowment fel., 26-28, A.M., 29, Ph.D., 34; A.M., Michigan, 26. Instr. hist. & govt, ST. LAWRENCE, 28-30, asst. prof., 30-37, prof. govt, 37-66, head dept. hist. & govt, 44-66, EMER. MUNSIL PROF. GOVT, 66- Legal specialist, U.S. Dept. State, 44-46; tech. adv., U.S. del. UN, San Francisco & London, 45-46; Fulbright lectr., Ibrahim Univ. & Univ. Cairo, 53-54; U.S. Info. Serv. specialist lectr., Korea, Japan & Thailand, 60. Polit. Sci. Asn; Soc. Int. Law. Int. Law Asn. International organization; American government. Publ: The United States and international administrative unions; Transition from League of Nations to United Nations; The United States and the treaty law of the sea. Address: 4660-A S. 36th St., Arlington, Va. 22206.
- REIFF, DR. ROBERT, b. New York, N.Y., Sept. 23, 13; m. 46; c. 1. CLINICAL PSYCHOLOGY. A.B. Wayne State, 50; Midwest Child Study Proj. fel., Kansas, 51, M.A., 53, Ph.D.(psychol), 54. Staff clin. psychologist, Shawnee Guid. Center, Topeka, Kans., 53-54; chief clin. psychologist, Chattanooga Guid. Center, 54-57; chief psychologist & coordinator spec. projs, Jewish Bd. of Guardians, 57-63; ASSOC. PROF. PSYCHOL. & DIR. DIV. ALBERT EINSTEIN COL. MED., 63-; DIR. CENTER STUDY SOC. INTERVENTION, 65- Adj. assoc. prof., N.Y. Univ., 60-; summer, vis. assoc. prof., Vanderbilt, 57. Dir. ment. health proj., Nat. Inst. Labor Ed., 59-; dir. ed. Inst. for Res. in Hypnosis, 61- Consult, Off. Econ. Opportunity, 65- Dipl. Am. Bd. Exam. Psychol. Hypnosis. AAAS; Psychol. Asn; Soc. Clin. & Exp. Hypnosis; Orthopsychiat. Asn; N.Y. Acad. Sci. Community psychology; social intervention; community mental health. Publ: Co-auth, Memory and hypnotic age regression; auth, Mental health manpower and institutional change, Am. Psychologist, 66; The indigenous nonprofessional, Community Ment. Health J., 66. Address: 15 Browning Dr., Ossining, N.Y. 10562.
- REIFMAN, ALFRED, b. Elizabeth, N.J., Aug. 19, 19; m. 42; c. 3. ECONOMICS. A.B., Michigan, 40, M.A., 41. Econ. analyst, Off. Price Admin., 41-42; dept. chief west. European econ. res., U.S. Dept. State, 46-48, prog. div., econ. coop. admin. mission, France, 48-50, chief, int. trade sch., res. off., 50-56, dep. dir., int. develop. adv. bd., 56-57, asst. chief, commercial policy & treaties div., 57-61, econ. adv., U.S. Mission to Orgn. Econ. Coop. & Develop., Paris, France, 61-65; economist, Coun. Econ. Adv., 65-67; MEM. POLICY PLANNING COUN., U.S. DEPT. STATE, 67- Consult, Coun. Econ. Adv., 53. V. chmn., U.S. del. Gen. Agreement Tariffs & Trade, 59-60. U.S.A.A.F., 42-45, Capt. Econ. Asn. International trade and finance; national economics; economic growth. Address: 7314 Broxburn Court, Bethesda, Md. 20034.
- REIGHARD, PROF. EDWARD, b. Quincy, Ill., Aug. 20, 06. INDUSTRIAL RELATIONS, BUSINESS ECONOMICS. A.B., Middlebury Col., 26; B.D., Yale, 29; M.B.A., Stanford, 54, Hoover fel., 54-55, Ph.D.(indust. rels), 63. Instr. personnel, Menlo Bus. Col., Calif., 50-53; res. economist manpower econ, Stanford Res. Inst., 53-59; assoc. prof. indust. rels, Minnesota, 58-60; asst. prof. mgt. & personnel, FRESNO STATE COL., 60-68, PROF. MGT., 68- Lectr., grad. sch. bus., Stanford, 54-58. U.S.N., 40-50, Lt. Comdr. Econ. Asn; Indust. Rel. Res. Asn. Relationship of employee profit sharing plans to work rules. Publ: Long term contract in labor-management relations. Address: Fresno State College School of Business, Fresno, Calif. 93726.
- REILING, DR. ELDON A, b. Moline, Ill., Sept. 11, 35; m. 54; c. 3. ECONOMICS. B.S., Western Illinois, 59; M.S., Mich. State, 62, Ph.D.(agr. econ), 66. Res. asst. agr. econ, Mich. State, 59-63; agr. economist, U.S. Dept.
- Agr., 63-65; instr. ECON, NORTHERN ILLINOIS, 65-66, ASST. PROF., 66- U.S.A., 55-67. Econ. Asn; Agr. Econ. Asn; Statist. Asn; Economet. Soc. Econometrics and quantitative economics; effects of multicollinearity in the normal linear model. Publ: Demand analysis for combines, pick-up balers and forage harvesters, Mich. State Univ. Exp. Sta., 1/63. Address: Elva Rd., DeKalb, Ill. 60115.
- REILLY, EDWARD E(RNEST), b. Spencerville, Ont., Sept. 26, 92. ECONOMICS. B.S.A., Toronto, 16; M.S., Wisconsin, 24; Northwestern, 30; Chicago, 35-36. Lectr. econ, Ont. Agr. Col., 19-26; asst. prof., Western Ontario, 26-30, assoc. prof., 30-41, prof., 41-60; CONSULT. ECONOMIST, 60- Dir., Dist. Trust Co. Consult, Bell Tel. Co. of Can., 27; Dept. Pensions & Health, Ont., 42; Prov. Treas., 44-45, 50- Am. Econ. Asn; Can. Polit. Sci. Asn; Can. Inst. Pub. Admin; Royal Econ. Soc; Royal Soc. Arts. Monetary and fiscal theory. Address: 1240 Richmond St., London, Ont., Can.
- REILLY, DR. RAYMOND, Eng. Psychol, see 11th ed, Phys. & Biol. Vols.
- REILLY, PROF. ROBERT R, b. Waukegan, Ill., Dec. 7, 35; m. 56; c. 3. EDUCATIONAL PSYCHOLOGY. B.M.Ed., Ill. Wesleyan, 57; Nat. Defense Ed. Act. fel., Illinois, 60-63, M.A., 61, Ph.D.(ed. psychol), 63. Teacher, pub. schs., Ill., 58-60; asst. prof. ed. psychol, Wis. State, Oshkosh, 63-65, chmn. dept., 64-65; PROF. PSYCHOL., STATE UNIV. N.Y. COL. OSWEGO, 65- Eval. consult, col. dent, Illinois, 62-64; measurement consult, N.Y. State Ed. Dept., 66-68. Psychol. Asn; Ed. Res. Asn; Acad. Polit. & Soc. Sci. Human learning; educational measurement; dental education; vocational education. Publ: Co-auth, The MacQuarrie test of mechanical ability as a predictor of techic course grades in dental school, J. Dent. Sch., 12/63; auth, Development of a discrimination examination for students in dental assistant programs, 6/64 & co-auth, The dental student at the University of Illinois, 64, J. Dent. Ed. Address: R.D. 3, Oswego, N.Y. 13126.
- REIMAN, DR. ROBERT ELLIS, b. Johnstown, Pa., May 28, 21; m. 44; c. 2. GEOGRAPHY. B.S., Fla. State, 61, M.S., 62, Ph.D.(geog), 64. Instr. GEOG., Fla. State, 62-63; asst. prof., APPALACHIAN STATE, 63-66, ASSOC. PROF., 66- DIR. INSTNL. RES., 67- U.S.A.F., 39-59, Maj. Asn. Am. Geog. Nat. Coun. Geog. Ed; Asn. Instnl. Res. Status of geographic education; evaluation of student achievement in geography; studies of students, academic procedures and faculty workload; long-range planning in higher education. Publ: Introducing geographic concepts at the secondary level, 64 & Specific academic needs of undergraduate geography majors as determined from an opinion survey, 65, Appalachian State Teachers Col; The islands of French polynesia: a geographic summary, Va. Geogr., 67. Address: Dept. of Geography, Appalachian State University, Boone, N.C. 28607.
- REIMANIS, DR. GUNARS, b. Riga, Latvia, Jan. 16, 32; nat; m. 57. PSYCHOLOGY. B.S., Rochester, 55, Ph.D., 60; M.A., Syracuse, 57. Asst. physiol. psychol., Syracuse, 56-57; trainee soc. psychol., Vet. Admin. Center, Bath, N.Y., 57-60; instr. PSYCHOL., CORNING COMMUNITY COL., 58-61, assoc. prof., 61-64, PROF., 64- CHMN. SOC. SCI. DEPT., 65- Res. assoc., Rochester, 60-62; assoc., Buffalo, 61-62; Col. Center Finger Lakes res. grants, 64-67; Joint Cmt. Res. TV & Children res. grant, 65-66; Nat. Insts. Health spec. res. fel. psychol., Stanford, 67-68. Chief res. psychol. unit, Vet. Admin. Center, Bath, N.Y., 60- AAAS; Psychol. Asn; Interam. Soc. Psychol. Development of achievement striving, socialization and child development; causes and consequences of anomie, alienation and social disorganization; effects of cultural mobility on crime and anomie; educational institutional research. Publ: Childhood experience memories and anomie in adults and college students, J. Individual Psychol., 66; Increase in psychological anomie as a result of radical and undesirable exchange expectancy, J. Personality & Soc. Psychol., 67; co-auth, Cognitive attitudinal components of anomie, J. Genetic Psychol., 68. Address: Dept. of Psychology, Corning Community College, Corning, N.Y. 14830.
- REIMANN, GUENTER, b. Germany, Nov. 13, 04; nat; m. 44; c. 2. ECONOMICS. B.S., Berlin, 27. Dir. int. res. Int. Statist. Bur., N.Y., 43-48; PRES. INT. REPORTS, INC. & ED-IN-CHIEF, INT. REPORTS ON FINANCE & CURRENCIES, 48- Econ. Asn. International finance and currencies; world trade; economic controls and state capitalism. Publ: Black market, inevitable child of statism; co-auth, The challenge of international finance, McGraw, 66; auth, Der rote profit (critical analysis of the attempt to revise the system of state socialism), Fritz Knapp, Germany, 67. Address: International Reports, Inc., 200 Park Ave. S., New York, N.Y. 10003.
- REIMER, DR. CHARLES T, b. Palmerton, Pa., Apr. 27, 28; COUNSELING, EDUCATION. B.S.Ed., Kutztown State Col., 52; M.Ed., Pa. State, 55, Ed.D. (couns. ed.), 64. Teacher, high sch., Pa., 52-58; couns., pub. schs., 58-65; ASSOC. PROF. ED., STATE UNIV. N.Y. COL. ONEONTA, 65- Sig.C., U.S.A., 46-49. Ed. Res. Asn; Nat. Coun. Measurement in Ed; Personnel & Guid. Asn. Standards for the preparation of school counselors. Address: Dept. of Education, State University of New York College at Oneonta, Oneonta, N.Y. 13820.
- REIMER, DR. RICHARD DALE, b. Walton, Kans., Oct. 6, 31; m. 58; c. 3. ECONOMICS. B.A., Bethel Col., 57; M.S., Kansas State, 58; Ph.D.(econ), Mich. State, 62. ASSOC. PROF. ECON. & CHMN. DEPT., COL. WOOSTER, 62- Nat. Sci. Found. faculty res. participation fel., summer, 66 & acad. year exten., 66-68. Econ. Asn. International trade in commodities; sector demand for money; analysis of inflation on a sector basis. Publ: The U.S. demand of imports for materials, Rev. Econ. & Statist., 64; Comment on oligopoly pricing practices and economic theory, J. Bus., 65; co-auth, The Keynesian demand of money: some statistical tests, J. Finance, 67. Address: Dept. of Economics, College of Wooster, Wooster, Ohio 44691.
- REINA, PROF. RUBEN E, b. Cordoba, Argentina, Dec. 5, 24; nat; m. 51; c. 3. CULTURAL ANTHROPOLOGY. B.A., Nai. Col., Argentina, 45; Cordoba, 45-47; B.A., Michigan, 49; M.A., Mich. State, 51; Ph.D., North Carolina, 58. Instr. anthropol., Women's Col., North Carolina, 54-55; asst. prof., Puerto Rico, 56-57; asst. prof. & asst. curator, PENNSYLVANIA, 57-62, assoc. prof. & assoc. curator, 62-67, PROF. ANTHROP. & CURATOR LATIN AM. ETHNOL., 67- Southern Fel. Fund res. grant, Guatemala, 55-56; Nat. Sci. Found.

- res. grant, 60-62; Am. P'dlos. Soc. res. grant. ethnohist, Guatemala, 67-69. Consult, Ford Found, 64. Argentine Army, 44-45. Fel. Anthropol. Soc. Ethnol. Soc. Latin American ethnology; community organization and culture; cultural change. Publ: Co-auth, Entrepreneurship and culture in Argentina; auth, The law of the saints: a Pokomam pueblo and its community culture, Bobbs, 67; Milpas and Milperos: implications for prehistoric times, Am. Anthropologist, 2/67. Address: University Museum, University of Pennsylvania, Philadelphia, Pa. 19104.
- REINECKE, PROF. JOHN ALFRED, b. New Orleans, La, Jan. 28, 31; m. 54; c. 4. MARKETING, ECONOMICS. B.B.A., Loyola (La), 51; M.B.A., Tulane, 53; State of Ill. res. grant, Illinois, 57-59, Ph.D. 60. Instr. mgt, Loyola (La), 55-56; asst. mkt, Illinois, 56-59; asst. prof. mkt. & mgt, LA. STATE 59-63, assoc. prof. MKT, 63-67, PROF. 67-, chmn. dept. mgt. & mkt, 63-68. Consult, Soc. Security Admin, 66- U.S.N. 52-55, Res. 55-, Lt. Econ. Asn; Mkt. Asn. Analysis of expenditure patterns of the aged; determinants of the economic base-service ratios of cities. Publ: The aged market—fact or fiction, J. Mkt, 1/63. Address: College of Business Administration, Louisiana State University, New Orleans, La. 70122.
- REINEMANN, DR. JOHN OTTO, b. Frankfurt-am-Main, Germany, Oct. 10, 02; nat; m. 30. SOCIOLOGY. Dr. jur, Frankfurt, 26. Solicitor, City Welfare Admin, Germany, 29-33; dist. supvr, juvenile div, COUNTY COURT, PHILA, 34-43, supvr. statist. & res, 43-48, DIR. PROBTN, 48- Instr. & course leader, pub. serv. inst, Dept. Pub. Instr, Pa, 40-55; instr, Community Col, Temple, 61- Ed. Quart. Pa. Asn. Probtn, Parole & Correction, 62- Spec. adv. President's Cmt. Juvenile Delinquency & Youth Crime, 62-; chmn, Phila. Anti-Poverty Action Cmt, 65- Acad. Polit. & Soc. Sci. Juvenile delinquency; probation and parole for adult offenders; child and family welfare. Publ: Challenge of delinquency. Address: 21 W. Phil-Elena St, Philadelphia, Pa. 19119.
- REINEMANN, DR. MARTIN, b. Denmark, Wis, Mar. 8, 17; m. 42; c. 5. GEOGRAPHY. B.S. Wisconsin, 41, M.S. 47; Ph.D. (geog), Northwestern, 55. PROF. GEOG. & EARTH SCI, NORTHERN ILLINOIS, 47- U.S.M.C. 41-45, Res. 45-58, Col. Asn. Am. Geog; Nat. Coun. Geog. Ed. Economic, industrial and urban geography; field mapping and techniques; climatology; geography of Latin America. Address: Dept. of Earth Sciences, Northern Illinois University, DeKalb, Ill. 60115.
- REINER, DR. THOMAS A, b. Teplice-Sanovy, Czech, Mar. 20, 31; U.S. citizen; m. 57; c. 2. REGIONAL SCIENCE. B.A. Swarthmore Col, 52; Harvard, 52-53; M.C.P. Mass. Inst. Tech, 55; Ph.D. (regional sci), Pennsylvania, 63. Acting planner, City of Quincy, Mass, 54-55; assoc. planner, Adams, Howard, Greeley, 55-58; res. assoc. REGIONAL SCI, PENNSYLVANIA, 58-59, lectr, 61-63, asst. prof, 63-65, ASSOC. PROF, 65- Field rep, U.S. Urban Renewal Admin, P.R. 57-58; res. assoc. Regional Sci. Res. Inst, Phila, 63- Consult, P.R. Planning Bd, 58. Mem. traveling cmt, Orgn. Am. States, Peru, 67. Inst. Planners; Regional Sci. Asn; Soc. Int. Develop. Spatial aspects of economic development; planning theory; social planning. Publ: Place of ideal community in urban planning, Univ. Pennsylvania, 63; co-auth, Soviet city planning & Client analysis and the planning of public programs, J. Am. Inst. Planners, 64. Address: Dept. of Regional Science, University of Pennsylvania, Philadelphia, Pa. 19104.
- REINERTSEN, DR. PHILIP J (AMES), b. Chicago, Ill, May 29, 24; m. 45; c. 3. ECONOMICS. B.A. Dartmouth Col, 47; Stockholm, 48; M.A. Chicago, 54; Ph.D. (econ), 58. Acting prof. rev. officer, spec. mission to Sweden, Econ. Coop. Admin, 49-51; instr. econ, George Williams Col, 53-54; ECONOMIST, Allstate Ins. Co, 58-62; Container Corp. of Am, 62-64; AETNA LIFE & CASUALTY, 64- U.S.N.R. 42-46, Lt. (jg). Econ. Asn; Asn. Bus. Econ. Corporate planning; economic analysis and research; corporate and industry studies; international economics; business forecasting; national income analysis; demography; money, banking and monetary policy. Publ: Pulp and paper industries in Sweden and Canada. Address: 271 N. Quaker Lane, West Hartford, Conn. 06119.
- REINFELD, DR. WILLIAM, b. Pittsburgh, Pa, Sept. 19, 40; m. 66; c. 1. ECONOMICS, ADMINISTRATIVE SCIENCES. B.S. Carnegie Inst. Tech, 62; M.A. Yale, 67, Ph.D. (econ. anal), 68. CONSULT logistics, Rand Corp, summer 65; ECON, ARTHUR D. LITTLE, INC, 67- Economic behavior of oligopolistic firms; economics of the steel industry; artificial intelligence; economic games. Publ: A model to discriminate among yardsticks in AMA competition, Rand Corp, 10/65; co-auth, A computer program which assesses the credibility of assertions, Am. Behav. Scientist. Address: 92 Walnut St, Belmont, Mass. 02178.
- REINHARDT, PROF. HEDWIG, b. Mannheim, Germany; nat. ECONOMICS. Ph.D. Heidelberg, 29. Mem. faculty, City Col. New York, 41-43; res. economist, Fed. Reserve Bank, N.Y., 45-46; from asst. prof. to ASSOC. PROF. ECON, CITY COL. NEW YORK, 58- Econ. Asn. Government finance; monetary business and investment economics; mercantile credit and collection management. Publ: Co-auth, Problems in credit and collections, Dun & Bradstreet, 3rd ed, 67; Credit and collection management, Prentice-Hall, 3rd ed, 62; Economics of mercantile credit, Rev. Econ. & Statist. Address: 39 Gramercy Park N, New York, N.Y. 10010.
- REINHARDT, PROF. JAMES M (ELVIN), b. Dalton, Ga, Oct. 5, 94. SOCIOLOGY. A.B. Berea Col, 23; Chicago, 24, 25; A.M. North Dakota, 25, Ph.D. 29. Instr. social, North Dakota, 24-26, asst. prof, 26-28; prof, Morris Harvey Col, 28-29; asst. prof, Oregon, 29-30; Col. City Detroit, 30-31; assoc. prof, NEBRASKA, 31-37, prof. criminol, 37-50, 55-63, spec. lectr. sociol. & psychol, sch. nursing, med. col, 32, 34-46, chmn. dept. sociol. & anthropol, 50-55, EMER. PROF. CRIMINOL, 63-; LECTR. CRIMINOL. & SOC. PSYCHOL, JOHN F. KENNEDY COL, 65- Spec. lectr, Lincoln Gen. Hosp, Nebr, 37-48; lectr, Fed. Bur. Invest, 46- Mil. Intel, U.S.A. 18-19. AAAS; Anthropol. Asn; Soc. Criminol. Principles and methods of sociology; social psychology; current social problems. Publ: Sex perversions and sex crimes; Social psychology: a study of personality and environment; The psychology of strange killers. Address: Division of Criminology, University of Nebraska, Lincoln, Nebr. 68518.
- REINHARDT, DR. JON M (cEWEN), b. Thorsby, Ala, Feb. 8, 36; m. 58; c. 2. POLITICAL SCIENCE. B.A. Birmingham-South, Col, 59; M.A. Tulane, 64, Ph.D. (polit. sci), 67; Piedmont Col. faculty fel, Wake Forest, summer, 65. Purchasing agent, U.S. Air Force, Brookley Air Force Base, Ala, 59-61; teaching asst. POLIT. SCI, Tulane, 63-64; instr. WAKE FOREST, 64-67, ASST. PROF, 67- Nat. Defense For. Lang. fel, Yale, 67-68 & Cornell, summer, 68. Polit. Sci. Asn; Asn. Asian Studies. Southeast Asian politics, especially Indonesia and Malaysia. Address: Dept. of Political Science, Wake Forest University, Winston-Salem, N.C. 27106.
- REINHART, BLAISE FIDELIS, OFM, b. New York, N.Y., July 17, 26; ECONOMICS, ACCOUNTING. B.B.A. St. Bonaventure, 49; M.A. Catholic Univ, 58, Ph.D. (econ), 62. Asst. prof. acct, SIENA COL, 56-66, ASSOC. PROF. ECON, 66-, HEAD DEPT, 63-, DEAN STUDENTS, 65- U.S.A. 44-46. Econ. Asn. Address: Dept. of Economics, Siena College, Loudonville, N.Y. 12211.
- REINHART, DR. JOHN B, Psychiat, Pediat, see 11th ed, Phys. & Biol. Vols.
- REINING, PROF. CONRAD C (OPELAND), b. Copley, Ohio, Jan. 17, 18; m. 44; c. 2. SOCIAL ANTHROPOLOGY. B.A. Akron, 40; Chicago, 40-42; B. Litt, Oxford, 52, D.Phil, 59. Asst. prof. ANTHROP, Minnesota, 56-59; assoc. prof, American Univ, 59-60; head African sect, Library Cong, 60-66; PROF. ANTHROP, CATHOLIC UNIV, 66- Nat. Sci. Found. res. grant, 63-64; Nat. Inst. Ment. Health summer res. grants, 66 & 67. U.S.A. 42-46, Maj. Fel. AAAS; fel. Am. Anthropol. Asn; fel. Am. Ethnol. Soc; fel. African Studies Asn; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland; E. African Acad. Zande people of the Sudan, Congo and Central African Republic; comparative botanical systems in East Africa. Publ: Co-ed, Agricultural development schemes in Africa: a bibliography, U.S. Govt. Printer, 63; auth, The Zande scheme: an anthropological case study of economic development in Africa & Zande markets and commerce, in: Markets in Africa, 62, Northwestern. Address: 3512 Runnymede Place, N.W., Washington, D.C. 20015.
- REINING, DEAN HENRY, JR, b. Akron, Ohio, Sept. 15, 07; m. 34, 50; c. 4. PUBLIC ADMINISTRATION. A.B. Akron, 29, LL.D. 63; A.M. Princeton, 30, Ph.D. (polit), 32; LL.D. Sch. Pub. Admin, Brazil, 64, Bahia, 64. From instr. to asst. prof, Southern California, 32-34; ed. dir, Nat. Inst. Pub. Affairs, D.C. 35-45; mgt. consult, Rogers & Slade, N.Y. 45-46; asst. exec. dir, Port N.Y. Authority, 46-47; PROF. PUB. ADMIN, SOUTHERN CALIFORNIA, 47-, DEAN VON KLEINSMID CENTER INT. & PUB. AFFAIRS, 68-, dean sch. pub. admin, 63-67. Instr. & res. assoc, Princeton, 34-36; adj. prof, American Univ, 36-44; prof. lectr, George Washington, 42-44; mem. & chmn. UN faculty, Sch. Pub. Admin, Brazil, 51-52; mem. bd. regents, Calif. Lutheran Col, 58-; nat. chmn. coun. grad. ed. pub. admin, Am. Soc. Pub. Admin, 65-66. Consult, U.S. Civil Serv. Cmn, 36-45; U.S. War Dept, 42-44; U.S. Dept. Interior, 49-50. Mem. Nat. Acad. Pub. Admin, D.C. 66- Soc. Pub. Admin. (pres, 57-58); Polit. Sci. Asn; Soc. Personnel Admin; Pub. Personnel Asn; Govt. Res. Asn. International administration; municipal government. Publ: Cases of public personnel administration; co-auth, Regulatory administration; Elements of public administration. Address: 5918 Condon Ave, Los Angeles, Calif. 90056.
- REINING, DR. PRISCILLA COPELAND, b. Chicago, Ill, Mar. 11, 23; m. 44; c. 3. ANTHROPOLOGY. A.B. Chicago, 45, A.M. 49, Ph.D. (anthrop), 67. Res. fel. ANTHROP, E. African Inst. Soc. Res, Uganda, 51-55; instr, Minnesota, 56-59; Howard, 60-64, RES. ASSOC, 64-65; American Univ, 65-66; Smithsonian Inst. Current Anthropol, 66-67; CATHOLIC UNIV, 67- Nat. Sci. Found. grant, 67-68. Fel. Anthropol. Asn; fel. African Studies Asn. African social anthropology, land tenure, ecology and kinship. Publ: An aspect of linguistic change in Ojibwa, Minn. Acad. Sci, 65; Land resources of the Haya, in: Ecology and economic development, Univ. California, Berkeley, 65; Urgent research projects, Current Anthropol, 10/67. Address: Dept. of Anthropology, Catholic University of America, Washington, D.C. 20017.
- REINKE, DR. WILLIAM A (NDREW), b. Cleveland, Ohio, Aug. 10, 28; m. 60; c. 4. STATISTICS, ECONOMICS. B.A. Kenyon Col, 49; M.B.A. Pennsylvania, 50; Ph.D. (statist), Western Reserve, 61. Mgt. trainee, Warner & Swasey Co, 50-52, staff asst. to controller, 52-55; sys. analyst, U.S. Steel Corp, 55-56; statistician, Union Carbide Corp, 56-59; instr. statist, Western Reserve, 59-61; sr. res. mathematician, Corning Glass Works, 61-63; asst. prof. biostatist, Maryland, 63-64; pub. health admin. & biostatist, HOPKINS, 64-67, ASSOC. PROF. INT. HEALTH, PUB. HEALTH ADMIN. & BIOSTATIST, 67- Consult, Corning Glass Works, 63-67; med. sch. Maryland, 64-; Baltimore City Hosps, 65- U.S.A. 53-55, Sgt. Ops. Res. Soc. Am; Inst. Mgt. Sci; Statist. Asn. Application of management science to the delivery of health services and to health planning; statistical design and analysis of health research. Publ: Statistics for decision making, Prentice-Hall, 63; Biostatistical aspects of the air pollution-health problem, Arch. Environ. Health, 1/67; co-auth, Measuring effects of demographic variables on health services utilization, Health Serv. Res, spring 67. Address: Dept. of International Health, School of Hygiene & Public Health, Johns Hopkins University, 615 N. Wolfe St, Baltimore, Md. 21205.
- REINMAN, DR. FRED M, b. Summit, N.J., Feb. 3, 27; m. 54; c. 3. ANTHROPOLOGY. B.A. California, Los Angeles, 60, Ph.D. (anthrop), 65. Lectr. anthrop, California, Los Angeles, 63-64; asst. curator oceanic archaeol. & ethnol, Field Mus. Nat. Hist, Chicago, 64-67; ASSOC. PROF. ANTHROP, CALIF. STATE COL. LOS ANGELES, 67- Lectr, Univ. Chicago, 64-67. U.S.N. 43-47. Fel. Anthropol. Asn; Soc. Am. Archaeol. Oceanic, Micronesia/Polynesia, archaeology; culture history and ecology; ethnology. Publ: Fishing: an aspect of oceanic economy, Field Mus. Chicago, 67; Tuna tagging and shellfishhooks: a comment from oceanica, Am. Antiquity, 68. Address: Dept. of Anthropology, California State College at Los Angeles, 5151 State College Dr, Los Angeles, Calif. 90032.
- REINMUTH, DR. JAMES, b. Yakima, Wash, May 31, 40; m. 66. STATISTICS, OPERATIONS RESEARCH. B.A. Washington (Seattle), 63; M.S. Oregon State, 65, Ph.D. (statist), 68. Instr. statist, Portland State Col, 65-66; res. asst, Oregon State, 66-67; ASST. PROF. QUANT. ANAL, OREGON, 67- Consult, Battelle Mem. Inst, Wash, 65; State of Ore. 65- Statist. Asn. Prediction and forecasting when the mathematical model is completely stochastic. Address: 640 N. Fifth, No. 8, Corvallis, Ore. 97330.

REIS, DR. WALTER J(OSEPH), b. Würzburg, Germany, Aug. 5, 18; nat; m. 43; c. 3. PSYCHIATRY, CLINICAL PSYCHOLOGY. B.Ph. Gonzaga, 47; B.S. City Col. New York, 47; Ph.D.(psychol), Western Reserve, 51; M.D. Emory, 55; cert. psychoanal, Pittsburgh Psychoanal. Inst, 67. Intern, U.S. Pub. Health Serv. Hosp, Norfolk, Va, 55-56; fel, West. Psychiat. Inst, Pa, 56-59; clin. instr. PSYCHIAT, PITTSBURGH, 59-63, CLIN. ASST. PROF, 63- Instr, West. Psychiat. Inst, 59-; mem. faculty, Pittsburgh Psychoanal. Inst, 67- Private practice, 59-; consult, Dixmont State Hosp, Glenfield, Pa, 68- Dipl, Am. Bd. Psychiat. & Neurol, 62. Psychol. Asn; Psychiat. Asn; Soc. Proj. Tech. & Personality Assessment. Psychotherapy; psychoanalysis. Publ: A comparison of the interpretation of dream series with and without free associations, In: Dreams and personality dynamics. Address: 4123 Bigelow Blvd, Pittsburgh, Pa. 15213.

REISCHER, DR. OTTO R(ICHARD), Econ, see 10th ed, Soc. & Behav. Vols.

REISER, DR. MARTIN, b. Philadelphia, Pa, Sept. 25, 27; m. 52; c. 1. PSYCHOLOGY. B.A. Temple, 50, Ed.M, 56, Ed.D.(psychol), 61. Asst. to prin, high sch, Pa, 54-56; staff psychologist, Phila. Ment. Health Clin, 56-59; res. & eval. psychologist, Work Adjust. Center, 59-61; supvr. voc. serv, Horizon House, Inc, 61; counseling psychologist, Pa. State, 61-64; clin. psychologist II, Camarillo State Hosp, 64-65; SR. CLIN. PSYCHOLOGIST, SAN FERNANDO VALLEY CHILD GUID. CLIN, 65- Instr, Phila. Psychoanal. Studies Inst, 58-60; lectr, exten. div, California, Los Angeles, 68. Private practice, 59- Consult, United cerebral Palsy Asns, 59-61; sch. consult, Nobel Jr. High Sch, 67- U.S.A.F, 51-54, 1st Lt. Psychol. Asn; Group Psychother. Asn; Pub. Health Asn; Asn. Aviation Psychol. Individual and group psychotherapy; psychoanalytic theory, method and therapy; community psychology. Publ: On origins of hatred toward Negroes, In: The world of psychoanalysis, Braziller, 65; A note on the analysis of the 'Elvis Presley' phenomenon, Am. Imago, 58; co-auth, Group therapy in a work adjustment center, Int. J. Group Psychother, 63. Address: 1105 Amherst Ave, Los Angeles, Calif. 90049.

REISMAN, DR. GEORGE GERALD, b. New York, N.Y., Jan. 13, 37. ECONOMICS. A.B. Columbia, 57; William Volker fel, N.Y. Univ, 57-60, M.B.A. 59, Ph.D.(econ), 63. Financial analyst, U.S. Trust Co. New York, 63-64; asst. prof. ECON, grad. sch. bus, Adelphi, 64; ST. JOHN'S (N.Y.), 64-66. ASSOC. PROF, 66- Econ. Asn; N.Y. Acad. Sci. Economic theory, especially national income theory; history of economic thought. Publ: Transl. Epistemological problems of economics by Ludwig von Mises, Van Nostrand, 60; auth, The revolt against affluence: Galbraith's neo-feudalism, Nathaniel Branden Inst, 63; Production versus consumption, The Free-man, 10/64. Address: Dept. of Economics, St. John's University, Grand Central & Utopia Parkways, Jamaica, N.Y. 11432.

REISMAN, DR. JOHN M(ARK), b. Perth Amboy, N.J., May 22, 30; m. 55; c. 3. CLINICAL PSYCHOLOGY. B.S. Rutgers, 52; M.A., Mich. State, 55, Ph.D., 58. Instr. psychol, med. sch, Northwestern, 58-59; chief psychologist, Rochester Child Guid. Clin, 59-66; CHIEF PSYCHOLOGIST & ASST. DIR. CHILDREN & YOUTH DIV, ROCHESTER MENT. HEALTH CENTER, 66- Staff psychologist, Children's Mem. Hosp, Chicago, Ill, 58-59; clin. assoc, Rochester, 60- U.S.N, 52-54, Lt.(jg). Psychol. Asn. Constructive validity of projective techniques; variables affecting the process of psychotherapy. Publ: The development of clinical psychology, Appleton, 66; Motivational differences between process and reactive schizophrenics; An interpretation of m. Address: Rochester Mental Health Center, 1425 Portland Ave, Rochester, N.Y. 14621.

REISS, PROF. ALBERT J(OHN), JR, b. Cascade, Wis, Dec. 9, 22; m. 53; c. 3. SOCIOLOGY. Ph.B., Marquette, 44; M.A., Chicago, 48, Ph.D., 49. Instr. SOCIOLOGY, Chicago, 47-49, asst. prof, 49-52, assoc. dir. community inventory, 47-51, acting dir, 51-52; assoc. prof, Vanderbilt, 52-54, prof. & chmn. dept. sociol. & anthropol, 54-58; prof. sociol, Iowa, 58-60, chmn. dept. sociol. & anthropol, 59-60; prof. sociol. & dir. surv. res. lab, Wisconsin, 60-61; DIR. CENTER RES. SOC. ORGN. & PROF. SOCIOLOGY, MICHIGAN, 61-, CHMN. DEPT, 64- Sociol. ed, Int. Encyclop. Soc. Sci, 62-68. Mem. ment. health small grants cmt, Nat. Inst. Ment. Health, 60-64; behav. sci. div, Nat. Res. Coun, 64-65; consult, President's Cmn. Law Enforcement & Admin. Justice, 66-67. Fel. Sociol. Asn; Regional Sci. Asn; Asn. Pub. Opinion Res; Soc. Study Social Probs. Urbanism; juvenile delinquency; social stratification; methodology. Publ: Occupations and social status; co-auth, Social characteristics of rural and urban communities; auth, Crime and law enforcement in major metropolitan areas, vols. 1, 6 & 2, U.S. Govt. Printing Off, 67. Address: Dept. of Sociology, University of Michigan, Ann Arbor, Mich. 48104.

REISS, DR. ALFRED, Psychol, see 10th ed, Soc. & Behav. Vols.

REISS, PROF. FRANKLIN J(ACOB), b. Freeburg, Ill, Oct. 31, 15; m. 40; c. 2. AGRICULTURAL ECONOMICS. B.S. Illinois, 40, M.S., 42, Ph.D.(agr. econ), 52. Asst. agr. econ, ILLINOIS, URBANA, 40-42, assoc. 43-45, asst. prof, 45-57, assoc. prof, 57-63, PROF. FARM MGT. & LAND ECON, 63- Coop. agent, U.S. Dept. Agr, 48-53. Econ. Asn; Agr. Econ. Asn. Land tenure; managerial ability among farm operators. Address: 303 Mumford Hall, University of Illinois, Urbana, Ill. 61801.

REISS, PROF. IRA L(EONARD), b. New York, N.Y., Dec. 8, 25; m. 55; c. 3. SOCIOLOGY. B.S., Syracuse, 49; M.A., Pa. State, 51, Ph.D.(sociol), 53. Instr. SOCIOLOGY, Bowdoin Col, 53-55; asst. prof, Col. William & Mary, 55-59; Bard Col, 59-61; assoc. prof, IOWA, 61-64, PROF, 64- Nat. Inst. Ment. Health res. grants, 60-64. Res. grants consult, U.S. Dept. Health, Ed. & Welfare, 66-68. U.S.A. 44-46. Fel. Sociol. Asn. Sociology of the family; theory; deviant behavior. Publ: Premarital sexual standards in America, Macmillan, 60; The social context of premarital sexual permissiveness, Holt, 67. Address: Dept. of Sociology, University of Iowa, Iowa City, Iowa 52240.

REISS, DR. PAUL J, b. Lake Placid, N.Y., Aug. 10, 30; m. 55; c. 7. SOCIOLOGY. B.S., Col. Holy Cross, 52; M.A., Fordham, 54; fel, Harvard, 55-57, Ph.D., 59. Instr. sociol, Marquette, 57-59, asst. prof, 59-63, chmn. dept, 62-63; ASSOC. PROF. SOCIOLOGY & ANTHROPOLOGY, CHMN. DEPT, FORDHAM, 63-

Ed, Sociol. Anal, 64- Sociol. Asn; Soc. Study Social Probs; Soc. Sci. Study Relig; Nat. Coun. Family Reels. Sociology of the family and kinship systems; higher education and religious values; sociological analysis of American social organization and institutions. Address: Dept. of Sociology, Fordham University, Bronx, N.Y. 10458.

REISS, DR. WILLIAM J(OSEPH), b. New York, N.Y., July 14, 26; m. 51; c. 2. PSYCHOLOGY. B.A., Duquesne, 50; Ph.D.(psychol), Adelphi Col, 54. Clin. psychol, intern, Nebr. Psychiat. Inst, 53-54; clin. psychologist, Norfolk State Hosp, Nebr, 54-55; Hillsboro County Guid. Center, Fla, 55-56; ASST. CHIEF CLIN. PSYCHOL, VET. ADMIN. CENTER, KEEOUGHAN, 56- Lectr, exten. div, Virginia, 56-; instr, George Washington, 65- Consult, Peninsula Cerebral Palsy Training Center, 63-; consult, Hampton Roads Speech & Hearing Center & mem. adv. bd, Peninsula Asn. Retarded Children, 66- U.S.N, 44-46. AAAS; Psychol. Asn; Soc. Proj. Tech. & Personality Assessment. Clinical psychology; psychodiagnosis and psychotherapy of children and adults; psychology of the long-term patient; social management of chronically ill; psychotherapy with geriatric patients; assessment of brain damaged and retarded children and children with speech handicaps. Publ: Conditioning of a hyperinsulin type of behavior in the white rat, J. Comp. & Physiol. Psychol; co-auth, Multidisciplinary views of the preparation of written clinical psychological reports. II Acceptability of certain content variables and styles of expression, J. Clin. Psychol. & A note on an unusually high rate of returns for a mail questionnaire, Pub. Opinion Quart. Address: 8 Templewood Dr, Hampton, Va. 23366.

REISSMAN, PROF. LEONARD, b. Cleveland, Ohio, June 10, 21; m. 50; c. 2. SOCIOLOGY. B.A., Wayne, 42; M.A., Wisconsin, 48; Soc. Sci. Res. Coun. fel, Northwestern, 50-51, Ph.D.(sociol), 52. From assoc. prof. sociol. to FAVORIT PROF. HUMAN REELS, TULANE, 52- Nat. Sci. Found. sr. fel, Center Adv. Study Behav. Sci, 63-64. U.S.A., 43-46. Sociol. Asn; Soc. Study Social Probs. Social stratification; urban social structure. Publ: Class in American society; The urban process, Macmillan, 64. Address: Dept. of Sociology, Tulane University, New Orleans, La. 70118.

REITAN, PROF. RALPH M(ELDAHL), Psychol, see 11th ed, Phys. & Biol. Vols.

REITER, DR. HENRY H, b. New York, N.Y., May 13, 36; m. 59; c. 3. PSYCHOLOGY. B.A., N.Y. Univ, 57; M.A., Hofstra, 59; Ph.D.(psychol), St. John's (N.Y.), 63. Personnel supvr, Bloomingdale's, N.Y., 57-58; psychiat. soc. worker, Creedmoor State Hosp, N.Y., 58-59; res. & testing, Hofstra, 59-61; from instr. to ASSOC. PROF. PSYCHOL, C.W. POST COL, LONG ISLAND, 61- Clin. psychologist & admin. dir, E. Hills Consultation Center, Roslyn, N.Y., 67- Consult, Nassau Center Emotionally Disturbed Children, N.Y., 67- Psychometric evaluation of schizophrenic children. Publ: Effect of differential anxiety on verbal performance, J. Gen. Psychol, 75: 115-117; Effect of group participation upon TAT responses, J. Soc. Psychol, 68: 249-251; Relationship between buying preferences and certain values of college students, Psychol. Reports, 18: 958. Address: Dept. of Psychology, C.W. Post College, Long Island University, Greenvale, L.I., N.Y. 11548.

REITER, PROF. STANLEY, b. New York, N.Y., Apr. 26, 25; m. 44; c. 2. ECONOMICS. A.B., Queens Col.(N.Y.), 47; M.A., Chicago, 50, Ph.D.(econ), 55. Instr. econ, Stanford, 50-53, res. assoc. statist, 53-54; asst. prof. econ. & math, Purdue, 54-57, assoc. prof, 57-60, PROF, 60-67; ECON, NORTHWESTERN, 67- Vis. lectr, Illinois, 54-55; Purdue Res. Found. fel, 56; Guggenheim fel, 59-60. U.S.A., 43-45. Econ. Asn; Statist. Asn; Economet. Soc; Inst. Math. Statist. Mathematical economics; theory of economic organization. Publ: Trade barriers in activity analysis, Rev. Econ. Studies; co-auth, A model of transportation & On the choice of a crop rotation plan, In: Activity analysis of production and allocation. Address: Dept. of Economics, Northwestern University, Evanston, Ill. 60201.

REITH, DR. GERTRUDE M, b. Stockport, Iowa, Nov. 2, 16; div; c. 2. GEOGRAPHY. B.A., Washington (Seattle), 39, M.A., 40; Ph.D.(geog), Clark, 63. Instr. geog, Fredonia State Norm. Sch, 42; cartographer, Off. Strategic Serv, 42-45; asst. prof. GEOG, Washington (Seattle), 45-46; ASSOC. PROF, CALIF. STATE COL. FULLERTON, 61- Asn. Am. Geog; Am. Geog. Soc; Nat. Coun. Geog. Ed. Physical geography; cartography; regional geography. Address: 1015 Diane, Placentia, Calif. 92670.

REITH, PROF. JOHN W(ILLIAM), Econ. Geog, see 10th ed, Soc. & Behav. Vols, deceased 67.

REITMAN, PROF. WALTER R(ALPH), b. New York, N.Y., May 18, 32; m. 53; c. 2. PSYCHOLOGY. B.A., Harvard Col, 53; Ford Found. fel, Wesleyan, 53-54, M.A., 54; Nat. Sci. Found. fel, Michigan, 54-56, Soc. Sci. Res. Coun. fel, 56-57, Ph.D.(psychol), 57. Asst. prof. indust. admin. & psychol, Carnegie Inst. Tech, 57-60, assoc. prof, 60-65; PROF. PSYCHOL, MICHIGAN, 65- Soc. Sci. Res. Coun. faculty res. fel, 58-61. Consult, Rand Corp, 61-; health law center, Univ. Pittsburgh, 63-65. U.S.A.F.R., 52-60, Sgt. Psychol. Asn. Thinking; computer simulation of higher mental processes. Publ: Cognition and thought, Wiley, 65; Modeling the formation and use of concepts, percepts and rules, In: Proceedings of the fifth Berkeley symposium on mathematical statistics and probability, vol. IV, Univ. California Press, Berkeley, 67; Information processing models, computer simulation and the psychology of thinking, In: Approaches to thought, in press. Address: Dept. of Psychology, University of Michigan, 7616 Haven Hall, Ann Arbor, Mich. 48104.

REITZ, DR. J(ULIUS) WAYNE, b. Olathe, Kans, Dec. 31, 08. AGRICULTURAL ECONOMICS. B.S., Colorado State, 30; M.S., Illinois, 35; Ph.D., Wisconsin, 41; LL.D., Tusculum Col, 56, Miami (Fla), 55, Colorado State, 61; hon. D.Sc., Jacksonville, 59; D.H.L. Florida, 67. Exten. economist, Colorado, 30-31; asst. exten. serv, Illinois, 31-33; jr. economist, Farm Credit Admin, 33-34; from asst. to prof. agr. econ, Florida, 34-44; econ. consult, United Growers & Shippers Asn, Fla, 44-48; mkt. specialist, U.S. Dept. Agr, 48-49; provost agr, Florida, 49-55, pres, 55-67; DIR. DIV. GRAD. PROGS, U.S. OFF. ED. 67- Farm credit and management; citrus fruit marketing. Address: 1600 S. Joyce St, Arlington, Va. 22202.

- REITZ, DR. WILLARD E, b. Brookville, Pa, Apr. 1, 33; m. 58; c. 3. PSYCHOLOGY. B.S. Pa. State, 59, Ph.D.(psychol), 63; M.A. Illinois, 61. U.S. Pub. Health Serv. fel. clin. res. Menninger Found, 63-65; ASST. PROF. PSYCHOL. WESTERN ONTARIO, 65- Can. Coun. grant, 67-68. U.S.A. 53-55. Psychol. Asn; Soc. Sci. Study Relig. Personality and perception; reinforcing properties of self attitude items; association. Publ: Experience, expertness, and ideal teaching relationships, Ed. & Psychol. Measurements, 65; Association, abstraction, and intelligence, Proc. Am. Psychol. Asn, 66; co-auth, Association, abstraction, and the conceptual organization of recall: implications for clinical tests, J. Abnorm. Psychol, 66. Address: Dept. of Psychology, University of Western Ontario, London, Ont, Can.
- REITZEL, WILLIAM, Int. Rels, see 10th ed, Soc. & Behav. Vols.
- REITZES, PROF. DIETRICH C(ARL), b. Berlin, Germany, Sept. 13, 16; nat; m. 41; c. 3. SOCIOLOGY. M.A. Chicago, 41, Livingston fel, 48-49, Ph.D. (sociol), 50. Asst. prof. sociol, Calumet Center, Univ. Indiana, 46-58; assoc. prof, George Williams Col, 58-61; dep. exec. dir, Chicago Cmn. Youth Welfare, 61-64; PROF. SOCIOL. & DIR. DIV. SOC. SCI, GEORGE WILLIAMS COL, 64- Assoc. dir. felon study, State Selective Serv. Syst, Ill, 50-52, adv. to state dir, 51; consult, State Sex Offenders Cmn, Ill, 53; E.Chicago Pub. Schs, 55-; res. consult, YMCA Metrop. Chicago, 66- Mem. res. coun, Nat. Coun. YMCA's U.S., 58- U.S.A., 42-45, 51-52, Capt. Sociol. Asn. Race relations; criminology; community organization. Publ: Negroes and medicine, Harvard, 58; The role of organizational structures, J. Soc. Issues, Vol. IX, 1; Urbanization and the YMCA, Res. & Develop. Serv. Nat. Coun. YMCA Asns, 10/66. Address: 3935 Elm St, Downers Grove, Ill. 60515.
- REJAI, DR. MOSTAFA, b. Tehran, Iran, Mar. 11, 31; m. 65. POLITICAL SCIENCE. Fel, California, Los Angeles, 63-64, Ph.D.(polit. sci), 64. Asst. prof. POLIT. SCI, MIAMI (OHIO), 64-67, ASSOC. PROF, 67- Cmt. Faculty Res. res. grants, Miami (Ohio), 65-67, Faculty Summer res. fel, 67. Polit. Sci. Asn; Int. Polit. Sci. Asn. Political theory; political ideology; comparative communism. Publ: Democracy: the contemporary theories, Atherton, 67; Mao Tse-Tung on revolution and war, Doubleday, 68; co-auth, Twentieth-century political ideologies, Dodd, 69. Address: Dept. of Political Science, Miami University, Oxford, Ohio 45056.
- REMEC, DR. PETER P, b. Ljubljana, Yugoslavia, June 28, 25; nat; m. 53; c. 4. INTERNATIONAL RELATIONS. Dr. jur, Graz, Austria, 48, Dr. rer. pol, 49; fel, Chicago, 53-54, Ph.D. 56; dipl, Hague Acad. Int. Law, 60. Instr. econ. & int. rels, FORDHAM, 54-57, asst. prof, 57-61, ASSOC. PROF. INT. RELS, 61- Rockefeller Found. grant, Switz. & The Netherlands; vis. prof, New Sch. Soc. Res, 57-58, summers, 59, 61; summer vis. lectr, City Col. New York, 57-58; fel, inst. econ. ed, Equitable Life Assurance Co. of N.Y., 58; participant, center for studies & res, Hague Acad. Int. Law, 61; Fulbright summer seminar Chinese culture & soc, Taipei, Taiwan, 66; vis. Fulbright prof, Rajasthan, India, 66-67. Polit. Sci. Asn; Soc. Int. Law; Int. Law Asn; Grotius Soc. International law; economics. Publ: Sanktion im Völkerrecht; Position of the individual in international law. Address: Dept. of Political Science, Fordham College, Rose Hill Campus, Bronx, N.Y. 10458.
- REMEIN, QUENTIN R(OBERT), b. Rochester, N.Y., Sept. 5, 19; m; c. 3. STATISTICS. A.B. Calvin Col, 45; scholar, Michigan, 45-46. Statistician, div. venereal disease, U.S. PUB. HEALTH SERV, 46-54, chief statistician, chronic disease prog, 54-57, assoc. chief oper. res, 57-61, res. grants officer, div. chronic diseases, 61-62, CHIEF PROG. PLANNING & EVAL. NAT. CENTER CHRONIC DISEASE CONTROL, 62- Superior serv. award, Dept. Health, Ed. & Welfare, 66. U.S.A. 41-44, 2nd Lt. Statist. Asn; Pub. Health Asn; N.Y. Acad. Sci. Public health; chronic diseases; epidemiology; research administration; program planning. Publ: Efficiency of screening tests for diabetes, J. Chronic Diseases; Principles and procedures in the evaluation of screening for disease, Pub. Health Monogr; co-auth, Do persons lost to long term observation have the same experience as persons observed, J. Am. Statist. Asn. Address: 18 Wynkoop Court, Bethesda, Md. 20034.
- REMER, PROF. C(HARLES) F(REDERICK), b. Young America, Minn, June 16, 89; m. 11. ECONOMICS. A.B. Minnesota, 08; A.M. Harvard, 17, Ph.D. 23. Mem. staff, Bur. Ed, Philippines, 10-12; instr. econ, St. John's (China), 12-15, prof, 17-22; tutor, div. hist. govt. & econ, Harvard, 23-24; Sage prof. ECON, Williams Col, 24-28; prof, MICHIGAN, 28-59, EMER. PROF, 59- Dir. study int. econ. rels. China, Soc. Sci. Res. Coun. 28-31; assoc. mem, Page Sch, Hopkins, 32-33; dir, Geneva Res. Center, 38-39; chief Far East. div. res. & anal. br, Off. Strategic Serv, 41-44; adv, U.S. Dept. State, 44-45; vis. scholar, Hawaii, 61-; Nanyang, 62-63. Consult, Rand Corp, 59-60. Econ. Asn; Asn. Asian Studies. International economics of the Far East. Publ: Foreign trade of China; Foreign investment in China; International economics of Communist China. Address: 1117 Portal Ave, Oakland, Calif. 94610.
- REMIAS, STEVE, Pub. Health Statist, see 10th ed, Soc. & Behav. Vols.
- REMMERS, DR. H(ERMANN) H(ENRY), b. Norden, Germany, Nov. 25, 92; nat; m. 24; c. 3. EDUCATIONAL PSYCHOLOGY. B.A. Iowa, 21, M.A. 22, Ph.D. (psychol), 27. Asst. prof. psychol. & ed, PURDUE, 23-26, assoc. prof, 26-30, prof, 30-63, asst. div. ed. reference, 28-63, founder & dir. opinion panel, 40-63, EMER. PROF. PSYCHOL. & ED. 63- Vis. prof, Hopkins, 63. Mem. staff, Richardson, Bellows, Henry & Co, 46-; dir. student personnel studies, Am. Coun. Ed, 46-50. Consult, personnel res. sect, Adj. General's Off, 41-45; Govt. P.R., 57-66. Editor, Ed. for Living. Barrows Mem. award, 64. AAAS (secy. sect. Q, 35-41; fel. Psychol. Asn.(award, 67); Ed. Res. Asn. (pres, 54-55). Personnel psychology; attitude measurement; statistics applied to psychology, education and industry. Publ: Introduction to opinion and attitude measurement, 54 & co-auth, Practical introduction to measurement and evaluation, 65, Harper; co-auth, Anti-democratic attitude in American schools, Northwestern Univ, 63. Address: 2135 30th Ave, Vero Beach, Fla. 32960.
- REMMLING, DR. GUNTER W(ERNER), b. Berlin, Germany, Dec. 10, 29; m. 58; c. 1. SOCIOLOGY. A.B. Friedrich-Ebert-Gym, Germany, 48; U.S. Dept. State & Inst. Int. Ed. scholars, Columbia, 50; Ph.D.(sociol, econ), Berlin, Germany, 56. Asst. sociol, Univ. Berlin, 53-54, res. assoc. inst. polit. sci, 56-57; lectr. sociol. & polit. sci, Cornell Col, 57-58; SOCIOL. Southern Illinois, 58-59, asst. prof, 59-62, ASSOC. PROF, 62-68; MAXWELL GRAD. SCH, SYRACUSE, 68- Am. Philos. Soc. grant res. in S.Am, 63-64. Sociol. Asn. Social survey and opinion research; analysis of socio-economic structure; political sociology; sociology of knowledge; general sociology; social theory; South America. Publ: South American sociologists: a directory, Univ. Texas, 66; Road to suspicion: a study of modern mentality and the sociology of knowledge, Appleton, 67; Karl Mannheim: Wissenssoziologie und Gesellschaftsplanung, Verlag Fr. Wilh. Ruhfus, 68. Address: 304 Houston Ave, Syracuse, N.Y. 13224.
- REMPLE, DR. HENRY D, b. Ukraine, Russia, Nov. 25, 08; nat; m. 36; c. 2. PSYCHOLOGY. B.A. Minnesota, 32, M.A. 33; Ph.D.(psychol), Kansas, 50. Asst. employ. res. inst, Minnesota, 33-34; asst. personnel officer, Farm Credit Admin, Wichita, Kans, 34-37; indust. counsr, Fed. Reformatory, El Reno, Okla, 37-46; instr. psychol, Kansas, 46-49; chief clin. psychologist, ment. hyg. clin, regional off, Vet. Admin, Kansas City, Mo, 50-55, superv. diagnostic serv, 57-59, chief psychol. training unit, Vet. Admin. Hosp, Topeka, Kans, 55-57, CHIEF PSYCHOL. SERV, VET. ADMIN. CENTER, WADSWORTH, 59- Vis. lectr, Kansas, 67- Consult, Fed. Reformatory, El Reno, Okla, 47-50. U.S.A., 42-45, Capt. Psychol. Asn. Psychotherapy; personality. Publ: A personality study of three types of crime groups; Physical findings among certain groups of workers, Bull. Employ. Stabilization Res. Inst; Industrial counselor in the federal reformatory, Fed. Prob'n. Quart. Address: 1922 Countryside Lane, Lawrence, Kans. 66044.
- REMSON, MAJ. ANDREW CUNNINGHAM, JR, Polit. Sci, Econ, see 10th ed, Soc. & Behav. Vols.
- RENAUD, DR. HAROLD R(OBERT), b. U.S., Jan. 26, 17; m. 46; c. 3. CLINICAL PSYCHOLOGY. B.A. California, 40, Ph.D.(clin. psychol), 50. Res. psychologist, head injury study, Langley Porter Clin, Calif, 44-45; clin. psychologist, State Dept. Ment. Hyg, 45-47; COWELL MEM. HOSP. STUDENT HEALTH SERV, CALIFORNIA, BERKELEY, 47-50, CHIEF CLIN. PSYCHOLOGIST, 50- Lectr, California, 60. Consult, Inst. Personality Assessment & Res, 55; Atascadero State & Porterville State Hosps, Calif, 60; Physician's Training Prog. Rehab. Psychol, 60-65; psychol. doctoral training prog, Langley Porter Neuropsychiat. Inst, 67, training prog. grief psychother, 67-68. Personality theory; homosexuality; theory of normality. Publ: Pathogenicity of childhood: interviews with 100 normal men, J. Orthopsychiat; Contexts of aggression: head injuries and psychoneurotics & Differences in fantasies: head injuries and psychoneurotics, J. Psychol. Address: Dept. of Psychological Medicine, Cowell Memorial Hospital, University of California, Berkeley, Calif. 94720.
- RENAUD, DR. PATRICIA MORGAN, b. Lake Butler, Fla, Feb. 6, 27. CLINICAL PSYCHOLOGY. B.A. Ohio State, 52; M.A. La. State, 56, Ph.D. 60. Internship psychol. testing & therapy, Southeast La. Hosp, Mandeville, 57-58; exec. dir. & clin. psychologist therapy & testing, Donaldsonville Guid. Center, 60-61; sr. clin. psychologist psychol. testing & therapy, children's med. center, Child Guid. Center, Okla, 61; chief clin. psychologist, Stark County Guid. Center, Canton, Ohio, 61-64; Sagamore Hills Children's Psychiat. Hosp, 64-66; CLIN. PSYCHOLOGIST, WICHITA PSYCHIAT. CENTER, 66- Psychol. Asn; N.Y. Acad. Sci. Psychotherapy with adults and children; clinical work in psychology; childhood schizophrenia. Publ: Co-auth, Direction of aggression in the mother-child punishment situation & Types of reactions in punishment situations in the mother-child relationship, Child Develop; auth, Application of symbolic realization to the removal of hallucinations in childhood schizophrenia, Am. J. Psychother, 1/64. Address: 7401 Huntington, Wichita, Kans. 67206.
- RENCK, DR. RICHARD, b. Rock Island, Ill, Aug. 26, 25. SOCIOLOGY, INDUSTRIAL RELATIONS. Ph.B. Chicago, 48, M.A. 53, Ph.D.(sociol), 65. Res. assoc. & div. dir, Indust. Rels. Center, Chicago, 50-65; ASSOC. DIR, SOC. RES, INC, 65- Sr. consult, Greenleigh Assoc, Inc, N.Y. 62-64. U.S.N.R., 43-46. Sociol. Asn. Industrial management and organization; industrial sociology; occupations, media and product marketing research. Publ: Co-auth, Continuing education for scientists and engineers in research and development, Nat. Sci. Found, 68; Professional employee in industry, J. Bus; Definition and measurement of employee morale, Admin. Sci. Quart. Address: 201 E. Chestnut, Chicago, Ill. 60611.
- RENDELMAN, DR. JOHN S(AMUEL), b. Anna, Ill, June 21, 27; m. 56; c. 4. GOVERNMENT. B.S. Southern Illinois, 48; J.D. Illinois, 51. Acting legal counsel & asst. prof. govt, SOUTHERN ILLINOIS, 53, legal counsel & asst. to the pres, 53-58, legal counsel, 58-59, acting exec. dir. bus. affairs, 59-61, exec. dir, 61-64, V.PRES. BUS. AFFAIRS, 64-, PROF. GOVT, 66-, assoc. prof, 58-66. Consult, Governor of Ill, 58-59; counsel, State Budgetary Cmn, Ill, 57; spec. asst. to attorney gen, 61-62. Bar Asn. Publ: Co-auth, Reports and recommendations to Illinois Budgetary Commission. Address: Vice President's Office, Southern Illinois University, Carbondale, Ill. 62901.
- RENNE, DR. R(OLAND) R(OGER), b. Greenwich, N.J., Dec. 12, 05; m. 32; c. 4. AGRICULTURAL ECONOMICS. B.S. Rutgers, 27 hon. Litt.D. 47; M.S. Wisconsin, 28, Ph.D. 30; LL.D. Philippines, 53. Asst. prof. agr. econ, Montana State, 30-34, assoc. prof, 34-35, prof. econ. & head dept, 36-39, agr. econ. & econ, 39-42, acting pres, 43-44, pres, 44-64; DIR. OFF. WATER RESOURCES RES, U.S. DEPT. INTERIOR, 64- Vis. prof, Chicago, 40; Cornell, 41-42. State price officer, Mont. Off. Price Admin, 42-43; chief tech. & econ. mission, Mutual Security Agency, Philippines, 51-53; agr. surv. mission, Int. Bank Reconstruct. & Develop, Food. & Agr. Orgn, UN, Peru, 58; asst. secy. agr. for int. affairs, U.S. Dept. Agr, 63-64. Consult, Govt. Ethiopia, 60. Fel. AAAS; Nat. Planning Asn; Econ. Asn; Rural Sociol. Soc; Soc. Pub. Admin; Acad. Polit. & Soc. Sci; Soc. Int. Develop; Nat. Ed. Asn; Am. Agr. Econ. Asn.(v.pres, Farm Econ. Asn, 42); Int. Asn. Agr. Econ. Land economics; public finance; agricultural credit. Publ: The Montana citizen; Land economics; The government and administration of Montana. Address:

Office of Water Resources Research, U.S. Dept. of the Interior, Washington, D.C. 20240.

RENNICK, DR. PHILLIP MERIWETHER, b. Tulsa, Okla., Aug. 27, 30; m. 67. **NEUROPSYCHOLOGY**. B.S. Northwestern, 54; Ph.D. (bio-psychol), Chicago, 61. Instr. med. psychol, Chicago, 61-62; dir. res. Wallace Village, Broomfield, Colo, 62; dir. neuropsychol. prog. Menninger Found, Kans, 62-67; **CHIEF NEUROPSYCHOL. LAFAYETTE CLIN.**, 67- Lectr. Colorado, 62; U.S. Pub. Health Serv. fel. neuropsychol. med. center, Indiana, 62-63; adj. asst. prof. Wayne State, 67-; summer, vis. scientist, Chicago, 67- Consult. Topeka Vet. Admin. Hosp, 63-67; Menninger Found, 67- U.S.A.F., 54-57, Res, 57-62. Psychol. Asn; Int. Neuropsychol. Soc; Acad. Aphasia. Neuropsychology as the functional analysis of cognitive, perceptual and motor skills related to normal and abnormal brain functions. Publ: Co-auth, Towards a behavioral scale for biological age, Columbia, 62; Perceptual-cognitive disorders in children, Int. Univs, 66 & Cortical response to a tactile stimulus, Psychophysiology, 67. Address: Lafayette Clinic, 951 E. Lafayette, Detroit, Mich. 48207.

RENNIE, PROF. DOUGLAS LLOYD, b. Kingston, Jamaica, Sept. 29, 19; m. 48; c. 2. **SOCIOLOGY**. B.Sc. Sir George Williams Col, 50, B.A., 51; M.A., McGill, 53; Ph.D., Yale, 57. Draftsman, Jamaica Water Cmn, B.W.I., 37-42; technician, Canadair, Ltd, Gen. Dynamics Corp, 45-50; lectr. Eng. & sociol, Sir George Williams Col, 51-53; asst. SOCIOL, Yale, 54-56; from asst. prof. to assoc. prof. Southern Illinois, 58-64; PROF. MANITOBA, 64-, **HEAD DEPT.**, 67- Asst. McGill, 51-53; regional dir. nat. study sch. performance children in families on welfare, Can. Welfare Coun, 65-66; Dept. Health res. grant, 66-68. Mem. study cmt, Vanier Inst. Family, 67- Sociol. Asn; Can. Social. & Anthropol. Asn. Social stratification; urban and industrial sociology. Publ: Ethnic division of labor in Montreal; co-auth. Social stratification in a small town, Sociol. Quart. & Sociological variables in the reaction of parents to child-rearing information, Merrill-Palmer Quart. Address: Dept. of Sociology, University of Manitoba, Winnipeg 19, Man, Can.

RENNIE, DR. ROBERT A (LVIN), b. Blackstone, Mass, May 12, 17; m. 43; c. 4. **ECONOMICS**. A.B. Wesleyan, 39; Henry fel, Oxford, 39-40; M.A. Harvard, 41, Ph.D., 47; Sheldon traveling fel, S.Am, 42-43. Economist, Bd. Governors, Fed. Reserve Syst, 46-48; asst. prof. polit. econ, Hopkins, 48-51; dir. res, NATIONWIDE INS. CO, 51-55, dir. pub. rels. & res, 55-56, V.PRES. res, 56-66, **PLANNING, FINANCE & SYSTS**, 66- Financial & banking adv, Klein-Sax Mission, Peru, 49; econ. adv, Am. Tel. & Tel. Co, 49-50; finance specialist, Barker Mission, Repub. of Turkey, 50; econ. consult, Int. Bank of Reconstruct. & Develop, 50-51. U.S.A., 43-45, Maj; Bronze Star Medal. AAAS; Econ. Asn; Finance Asn; Economet. Soc. Decision-making under conditions of risk and uncertainty; international economics. Publ: Measurement of risk, J. Ins; Impact of all lines insurance on product development, In: All lines insurance. Address: Nationwide Insurance Co, 246 N. High St, Columbus, Ohio 43215.

RENSHAW, DR. EDWARD F (RANKLIN), b. Armour, S.Dak, Apr. 27, 33; m. 59; c. 1. **AGRICULTURAL ECONOMICS**. B.S. Wash. State Col, 54; Sears fel. & M.A. Chicago, 55, Ph.D. (econ), 58. Asst. natural resources, Chicago, 55-57, res. assoc, 57-58, instr. econ, 58-59; coop. agent resource econ, U.S. Dept. Agr. & Univ. California, 59-61; private practice, 61-62; asst. prof. econ. & finance, North Carolina, 62-66; vis. prof. finance, California, Los Angeles, 66-67; faculty asst. prog. eval. staff, Bur. Budget, 67-68; PROF. ECON. & FINANCE, STATE UNIV. N.Y. ALBANY, 68- Ford Found. faculty res. grant, 65-66. U.S.A.R., 58- Natural and human resources, especially economic progress; limits to further progress; the stock market and portfolio theory. Publ: Toward responsible government: Atomic power: research costs and social returns, Land Econ; Estimating the returns to education, Rev. Econ. & Statist. Address: Dept. of Economics, State University of New York at Albany, Albany, N.Y. 12203.

RENSHAW, PROF. SAMUEL, b. Sugar Grove, Ohio, Mar. 10, 92; m. 32; c. 2. **PSYCHOLOGY**. A.B. Ohio, 14; A.M. Ohio State, 23, Ph.D. (exp. psychol), 25. Asst. prof. EXP. PSYCHOL, OHIO STATE, 25-27, assoc. prof, 28-29, PROF, 29- Civilian dir, recognition training, U.S. Navy, 43-44. AAAS; Psychol. Asn. Experimental psychology; vision and visual perception. Address: 2675 Coventry Rd, Columbus, Ohio 43221.

RENTEL, DR. VICTOR MICHAEL, b. Altoona, Pa, Nov. 4, 34; m. 62; c. 1. **PSYCHOLOGY, EDUCATION**. B.A. Pa. State, 60; M.A. Jersey City State Col, 65; Ph.D. (ed. psychol. serv), South Carolina, 68. Specialist reading, bd. ed, Boonton, 60-64; asst. prof. Eng. & reading, Jersey City State Col, 64-65; instr. ed, South Carolina, 65-68; ASST. PROF. ED. & DIR. READING CENTER, TENNESSEE, 68- Consult. S.C. State Dept. Ed, 66-68; N.C. S.C. & Va. Ed. Lab. & Learning Inst. N.C., 67-68. U.S.A.F., 52-56. Nat. Conf. Res. Eng. Psychological services; reading; language development; psycholinguistics. Publ: Co-auth, Improving study skills, 4/66 & Guides to creativity in reading, 1/67, J. Reading; auth, Means and ends: developing specific objectives for reading instructions, Proc. Int. Reading Asn, 67. Address: Reading Center, University of Tennessee, 2020 Terrace Ave, Knoxville, Tennessee 37916.

RENTZ, JOHN NEVIN, Econ. Hist, see 10th ed, Soc. & Behav. Vols.

RENWICK, DR. FRED BLACKWELL, b. Union, S.C., Feb. 1, 30; m. 64; c. 3. **FINANCE**. B.S. Morehouse Col, 50; S.M., Harvard, 56; M.B.A. N.Y. Univ, 65, Ph.D. (bus. admin), 66. Instr. electronics fundamentals, Kessler Air Force Base, Miss, 50-53; syst. tester, light mil. electronics div, Gen. Elec. Co., N.Y., 53-55; electronics eng, Nat. Security Agency, U.S. Dept. Defense, D.C., 55-57; systs. engr, arma div, Am. Bosch Arma Corp, N.Y., 57-59; sr. engr, sect. supvr. & prog. mgr, data & info. syst. div, Int. Tel. & Tel. Corp, N.J., 59-65; ASST. PROF. FINANCE, GRAD. SCH. BUS. ADMIN, N.Y. UNIV, 65- Consult. Bankers Trust Co, New York, 66- Statist. Asn; Inst. Elec. & Electronics Eng; Finance Asn; Econ. Asn. Theory and analysis for financial management; applications of econometric systems to financial analysis; investor portfolio behavior. Publ: Financial analysis and theory of investments: an introductory textbook, MacMillan, 69; Theory of investment behavior and empirical analysis of stock market price relatives, Mgt. Sci:

Theory; Asset management and investor portfolio behavior: theory and practice, J. Finance, 5/69. Address: Graduate School of Business Administration, New York University, 100 Trinity Place, New York, N.Y. 10006.

RENZAGLIA, DR. GUY A (NTHONY), b. Virginia, Minn, Jan. 14, 18; m. 47; c. 5. **PSYCHOLOGY**. B.S. George Washington, 39; M.Ed. Minnesota, 41, M.A., 48, Ph.D. (psychol), 52. Asst. prof. counseling & acting dir. counseling center, Montana State, 48-49; instr. gen. studies, Minnesota, 49-52, lectr. psychol. & counsr, Duluth Br, 52-53; asst. prof. psychol. & assoc. dir. testing & counseling serv, Missouri, 53-55; PROF. & DIR. REHAB. INST., SOUTHERN ILLINOIS, 55- Consult. Vet. Admin, 53-57; Labor Dept, 65-66; Fed. Bur. Prisons, 65-67. U.S.A.A.F., 42-46, Capt. Psychol. Asn; Personnel & Guid. Asn; Rehab. Asn. Counseling theory and practice; test theory and construction; behavior modification. Address: R.R. 1, Murphysboro, Ill. 62966.

RENZULLI, DR. JOSEPH S (ALVATORE), b. Long Branch, N.J., July 7, 36; m. 61; c. 1. **EDUCATIONAL PSYCHOLOGY, PSYCHOLOGICAL MEASUREMENT**. B.S. Glassboro State Col, 58; M.Ed. Rutgers, 62; Ed.D. (ed. psychol), Virginia, 66. Teacher, pub. schs, N.J., 58-63; instr. PSYCHOL. MEASUREMENT & ED. PSYCHOL, Virginia, 65-66; ASST. PROF. CONNECTICUT, 66- Psychol. exam, 63-66; dir, Ed. Prog. for Culturally Disadvantaged, 66-68. Consult, 66-68. Psychol. Asn; Ed. Res. Asn; Coun. Except. Children; Personnel & Guid. Asn. Evaluation of educational programs; reliability and validity of psychological tests; computer analysis of tests of creativity; conceptual development in modern mathematics. Publ: Co-auth, The gifted child in Connecticut, Conn. State Dept. Ed, 67; auth, The evaluation of programs of differential education for the gifted, Univ. Virginia Ed. Rev, 8/67; co-auth, Reliability of a group form of the Peabody picture vocabulary test, J. Ed. Res, 68. Address: School of Education, University of Connecticut, Storrs, Conn. 06268.

REOCK, ERNEST C (LIFTON), JR, b. Oct. 13, 24; m. 53; c. 3. **POLITICAL SCIENCE**. B.S. Swarthmore Col, 45; A.B. Rutgers, 48, fel, 48-49, A.M., 50, Ph.D. (polit. sci), 59. Asst. RUTGERS, 49-50, res. assoc. BUR. GOVT. RES, 50-59, asst. res. specialist, 59-60, DIR, 60- Consult, State Div. Civil Defense, N.J., 54; N.J. Constitutional Convention, 66; munic. charter study cmns, Piscataway, Berkeley Heights & Hamilton Twp, 66-68. Mem. exec. cmt, Conf. Univ. Bur. of Govt. Res, 65-68. U.S.N.R., 43-46, 51-53. Polit. Sci. Asn; Soc. Pub. Admin. State and local government; public administration. Publ: Co-auth, Fiscal capacities of municipalities, N.J. Dept. Conserv. & Econ. Develop, 63; auth, Population inequality among counties in the N.J. Legislature, Bur. Govt. Res, Rutgers, 63; Handbook for N.J. assessors, N.J. Dept. Treas, 64. Address: 7 Kendall Rd, Kendall Park, N.J. 08824.

REPLOGLE, DR. FRED A, b. Rossville, Ind, Dec. 15, 98; m. 26; c. 2. **PSYCHOLOGY**. B.A. Manchester Col, 21, LL.D., 56; M.A. Northwestern, 27; Ph.D. (admin), Chicago, 36. Prof. ed. & psychol. & dean, McPherson Col, 31-35; head dept. sociol. & dean, Oklahoma City Univ, 35-38; personnel dir, Macalester Col, 38-42; supvr. psychol. serv, Stevenson, Jordan & Harrison, 43-45; PARTNER, ROHRER, HIBLER & REPLOGLE, 45- Dipl. Am. Bd. Exam. Prinl. Psychol. Fel. AAAS; fel. Psychol. Asn; Inst. Mgt; Soc. Adv. Mgt; Mgt. Asn. Problems encountered by senior high school students in the selection of a vocation. Publ: Co-auth, Managers for tomorrow, New Am. Library, 65; auth, Practical and professional aspects of management; Survey of welfare activities in Oklahoma. Address: Rohrer, Hibler & Replogle, 69 W. Washington, Chicago, Ill. 60602.

REPPERT, PROF. HAROLD C (URTIS), b. Belle Vernon, Pa, Apr. 30, 12; m. 37; c. 4. **PSYCHOLOGY**. B.S. California State Col (Pa), 34; M.S. Pa. State Col, 42, Ph.D. (psychol), 45. Teacher, high sch, Pa, 35-41; asst. psychol, Pa. State, 41-44; asst. proj. dir, Nat. Defense Res. Cmt, 44-45; asst. prof. PSYCHOL, TEMPLE, 45-48, assoc. prof, 48-53, PROF, 53-, DIR. TESTING BUR, 46-, psychol. clin, 45-46. Consult, Salvation Army, Phila, 46-60; State Civil Serv. Cmn, Pa, 46-53; Craig & Cravatt, Personnel Specialists, 48-60; U.S. Off. Ed, 58. Civilian with U.S.N. Psychol. Asn. Development and validation of psychological tests for differential prediction of success; achievement testing; interest measurement; personality evaluation. Address: Dept. of Psychology, Temple University, Philadelphia, Pa. 19122.

REPUCCHI, DR. LAWRENCE C (ARL), b. Mansfield, Mass, May 23, 27; m. 54; c. 7. **PSYCHOLOGY**. A.B. Kings Col, 50; fel. & M.S. Col. William & Mary, 54; fel. & Ph.D. (gen. theoret. psychol), Wayne State, 62. Res. dir. psychol, Wayne County Gen. Hosp, 58-59; asst. staff psychologist, Dow Chem. Co, 59-65; CONSULT. CREATIVITY, 65- Co-ed, Creativity Rev, 59- AAAS; Psychol. Asn; Sci. Res. Soc. Am. Creative potential of industrial managers and research personnel. Publ: Increasing creative performance, 64 & Constricting creativity, 65, Creativity Pub; Creativity training, Mgt. of Personnel Quart, 67. Address: 1115 E. Park Dr, Midland, Mich. 48640.

RESCORLA, DR. ROBERT ARTHUR, b. Pittsburgh, Pa, May 9, 40; m. 62. **PSYCHOLOGY**. A.B. Swarthmore Col, 62; Nat. Sci. Found. fel, Pennsylvania, 62-66, Ph.D. (psychol), 66. ASST. PROF. PSYCHOL, YALE, 66- Pavlovian conditioning; avoidance behavior. Publ: Co-auth, Inhibition of avoidance behavior, J. Comp. & Physiol. Psychol, 65; auth, Pavlovian conditioning and its proper control procedures, 67 & co-auth, Two process learning theory, 67, Psychol. Rev. Address: Dept. of Psychology, Yale University, 333 Cedar St, New Haven, Conn. 06510.

RESEK, DR. ROBERT WILLIAM, b. Berwyn, Ill, July 2, 35; m. 60. **ECONOMICS**. B.S. Illinois, 57; Woodrow Wilson fel, Harvard, 57, M.A., 60, Ph.D., 61. Asst. prof. ECON, ILLINOIS, URBANA, 61-65, ASSOC. PROF, 65- Econ. Asn; Economet. Soc; Statist. Asn. Determinants of investment behavior, especially the role of financial variables; econometric methods. Publ: Neutrality of technical progress, 2/63 & Investment by manufacturing firms: a quarterly time series analysis of industry data, 8/66, Rev. Econ. & Statist; Uncertainty and the precautionary demand for money, J. Finance, 12/67. Address: Dept. of Economics, University of Illinois, Urbana, Ill. 61801.

RESER, DR. RICHARD M, b. Bristol, Tenn, June 25, 14; m. 43; c. 2. **SOCIOLOGY**. Ph.D. (sociol), North Carolina, 56. Prof. sociol, Oglethorpe Col,

- 48-67; PROF. SOCIOL. & CHMN. DEPT. SOCIOL. & ECON, MOREHEAD STATE, 67- U.S.N.R. 42-45, Lt. Sociol. Asn; Soc. Study Soc. Probs; Family Serv. Asn. Am. Occupational placement and selection. Publ: Fitting youth to jobs, N.C. State Planning Bd. Mongr, 47. Address: 407 N. Wilson Ave, Morehead, Ky. 40351.
- RESHAUR, DR. KENNETH M, b. Portage la Prairie, Man, Apr. 17, 38; m. 61; c. 1. POLITICAL SCIENCE. B.A. Manitoba, 59; M.A. New Brunswick, 61; Ph.D.(polit. sci), Duke, 65. Lectr. POLIT. SCI, YORK (ONT), 64-65, ASST. PROF, 65- Can. Polit. Sci. Asn. Conceptual analysis; metatheoretical foundations of political and social inquiry. Address: Dept. of Political Science, York University, Toronto 12, Ont, Can.
- RESHETAR, PROF. JOHN S(TEPHEN), JR, b. Minneapolis, Minn, July 14, 24; m. 55. POLITICAL SCIENCE. A.B. Williams Col, 45; A.M. Harvard, 46, Ph.D, 50; Soc. Sci. Res. Coun. fel, Columbia, 48-50. Instr. polit, Princeton, 47-51, lectr, 51-55; mem. staff, for. policy res. inst, Pennsylvania, 55-57; assoc. prof. POLIT. SCI, WASHINGTON (SEATTLE), 57-62, PROF, 62- Res. fel, Russian Res. Center, Harvard, 50-51; mem. staff, Refugee Interview Proj, W.Germany, 50-51. Polit. Sci. Asn; Asn. Adv. Slavic Studies; Acad. Polit. & Soc. Sci. International relations; comparative government; eastern Europe and Union of Soviet Socialist Republics. Publ: The Ukrainian Revolution, 1917-1920; Problems of analyzing and predicting Soviet behavior; A concise history of the Communist Party of the Soviet Union. Address: Dept. of Political Science, University of Washington, Seattle, Wash. 98105.
- RESNICK, DR. JOSEPH, Psychol, see 10th ed, Soc. & Behav. Vols.
- RESTLE, PROF. FRANK, b. N.J., Mar. 2, 27; m. 50; c. 3. PSYCHOLOGY. Ph.D, Stanford, 54. Res. assoc, HumRRO, 53-55; fel, Center Adv. Study Behav. Sci, 55-56; instr. PSYCHOL, Mich. State, 56-57, asst. prof, 57-59, assoc. prof, 59-61; INDIANA, 61-62, PROF, 62- U.S.A. 45-48. Fel. AAAS; Psychol. Asn; Psychomet. Soc. Quantitative theory of learning and concept formation; judgment and choice; group problem-solving and decision. Publ: Psychology of judgment and choice; Selection of strategies in cue-learning, Psychol. Rev; Statistical methods for a theory of cue learning, Psychometrika. Address: Dept. of Psychology, Indiana University, Bloomington, Ind. 47401.
- RETHLINGSHAFFER, PROF. D(OROTHY), b. Hamilton, Ohio, Apr. 15, 00. PSYCHOLOGY. B.S. Miami (Ohio), 20; M.A. Chicago, 24; Ph.D.(psychol), North Carolina, 38. Prof. psychol. & ed, Davenport Col, 25-33; statistician, North Carolina, 38-42; asst. prof. PSYCHOL, Queens Col.(N.C), 42-44; Women's Col, North Carolina, 44-47; ASSOC. PROF, FLORIDA, 47- Fel. Psychol. Asn. Measurement; motivation; learning. Publ: Motivation, McGraw, 63. Address: Dept. of Psychology, University of Florida, Gainesville, Fla. 32603.
- RETHOLTZ, DR. GEORGE, b. Brooklyn, N.Y., Nov. 12, 17; m. 49. PERSONAL-NEUTRAL EXPERIMENTAL PSYCHOLOGY. B.S.S. City Col. New York, 39; A.M. N.Y. Univ, 47, Ph.D.(psychol), 51. Res. psychologist, adj. gen. off, Dept. Army, Wash, D.C. 46-48; aviation psychologist, human resources res. labs, Dept. Air Force, 48-51; qualifications rating exam, exec. off. secy, Navy Dept, 51-56; superv. res. psychologist, adj. gen. off, Dept. Army, 56-59; dir. sonar res. prog, U.S. personnel res. activity, Navy Dept, 59-63; scientist & adminstr, div. res. facilities & resources, Nat. Insts. Health, Md, 63-67; CHIEF MANPOWER & RESOURCES SECT, NAT. CENTER PREV. & CONTROL ALCOHOLISM, NAT. INST. MENT. HEALTH, CHEVY CHASE, 67- Res. consult, div. hosp. & med. facilities, U.S. Pub. Health Serv, Wash, D.C. 63-64. U.S.A. 42-43. Psychol. Asn. Personnel management and evaluation; test construction; personality; physiological psychology; behavioral sciences. Publ: An investigation of the relationship between involuntary behavior and personality traits, N.Y. Univ, 53; Methodology of Navy employee utilization survey, U.S. Dept. of Defense, Personnel Admin, 53; Officer qualifications analysis, Off. Naval Res. Report ACR-41, 60. Address: 8424 Queen Anne's Dr, Silver Spring, Md. 20910.
- RETT, PROF. DONALD J(AMES), b. Beloit, Wis, July 14, 26; m. 51. SOCIOLOGY, CULTURAL ANTHROPOLOGY. A.B. Akron, 50; M.A. Pa. State, 53. Instr. SOCIOL, Lafayette Col, 53-57; asst. prof, ASHLAND COL, 57-60, ASSOC. PROF, 60- U.S.A. 44-46. Sociol. Asn. Sociology of religion; political sociology and social theory; afterlife among the preliterate. Address: Dept. of Sociology, Ashland College, Ashland, Ohio 44805.
- RETTIE, JAMES C(ARDNO), Econ, see 10th ed, Soc. & Behav. Vols.
- RETTIG, PROF. SALOMON, b. Berlin, Germany, Apr. 20, 23; nat; m. 49; c. 1. SOCIAL PSYCHOLOGY. B.A. Temple, 53; M.A. Ohio State, 53, Ph.D. 56. Instr. psychiat, Ohio State, 56-57, asst. prof, 57-62, assoc. prof, 62-66, PROF, 66-67, PSYCHOL, HUNTER COL, 67- AAAS; Psychol. Asn; Sociol. Asn. Relation of multi-dimensional structure of moral value judgments to unethical risk taking behavior; age, social class and culture of the judge; statistical analyses of medical data by means of electronic computers. Publ: Moral value structure and social class, Sociometry; Risk hypothesis in predictive judgments of unethical behavior, J. Abnorm. Psychol; Relation of social systems to intergenerational changes in moral attitudes in the kibbutz, J. Personality and Soc. Psychol, 10/66. Address: Dept. of Psychology, Hunter College, 695 Park Ave, New York, N.Y. 10021.
- REUBENS, PROF. EDWIN P(IERCE), b. New York, N.Y., Mar. 27, 14; m. 43; c. 1. ECONOMICS. B.A. City Col. New York, 35; M.A. Columbia, 39, scholar, 39-40, Ph.D.(econ), 52. Sr. res. exec, R.H. Macy & Co, N.Y., 40-42; sr. economist, War Prod. Bd, 42-43; prin. economist, Civilian Prod. Admin, 46-47; asst. prof. econ, Cornell, 47-52, assoc. dir. Southeast Asia Prog, 51-52; asst. prof. ECON. CITY COL. NEW YORK, 52-56, assoc. prof, 56-60, PROF, 61-, EXEC. OFFICER, PH.D. PROG. IN ECON, CITY UNIV. NEW YORK, 63- Soc. Sci. Res. Coun. res. grant, 47-49, 61-62; res. grant, soc. sci. res. center, Cornell, 50-52; sr. res. fel, Univ. Col. West Indies, 60-61; vis. prof, Columbia, 54, 55 & 63; New Sch. Soc. Res, 60, 62; fel, UN Res. Inst. Soc. Develop, Geneva, Switz, 65-66. Consult, Econ. Coop. Admin, 50-51; dept. econ. affairs, UN, 52-53; Agency Int. Develop, D.C., summer,
67. U.S.N.R. 43-46, Lt. Econ. Asn; Asn. Asian Studies. International economics; economic development; comparative economic systems. Publ: Planning for children and youth within national development planning, UN Res. Inst. Soc. Develop, 67; Foreign capital and domestic development in Japan, 1868-1930, In: Economic growth, 55; Capital-labor ratios in theory and history, Am. Econ. Rev, 12/64. Address: 60 Riverside Dr, New York, N.Y. 10024.
- REUBER, PROF. GRANT LOUIS, b. Mildmay, Ont, Nov. 23, 27; m. 51; c. 3. ECONOMICS. B.A. Western Ontario, 50; A.M. Harvard, 54, Ph.D, 57. Asst. res. dept, Bank Can, 50-52; int. econ. rels. br, Dept. Finance, Ottawa, 55-57; from instr. to assoc. prof. ECON, WESTERN ONTARIO, 57-63, PROF. & HEAD DEPT, 63- Can. Econ. Asn.(pres, 67-68). International economics; money and banking. Publ: Britain's export trade with Canada; Cost of capital in Canada; Canada's interest in the trade problems of less developed countries, Private Planning Asn. Can, 64. Address: Dept. of Economics, University of Western Ontario, London, Ont, Can.
- REUDER, DR. MARY E(ILEEN), b. Minneapolis, Minn, Mar. 12, 23; m. 53; c. 2. PSYCHOLOGY. B.A. Col. St. Catherine, 44; M.A. Brown, 45; Ph.D, Pennsylvania, 51. Res. psychologist, personnel res. br, Adj. Gen. Off, U.S. Dept. Army, 52-54; instr. PSYCHOL, QUEENS COL.(N.Y.), 54-62, asst. prof, 62-65, ASSOC. PROF, 65- Sigma Xi res. grant-in-aid, 62; participant, Nat. Sci. Found. Summer Inst. Contemporary Psychol, Beloit Col, 64. Consult, Life Inst. Mgt. Asn; Daniel Starch & Staff, 56-62. AAAS; Psychol. Asn; Psychomet. Soc; Statist. Asn; fel. N.Y. Acad. Sci. Experimental psychology of motivation, especially ego involvement; physiological psychology; experimental design. Publ: Effect of ego orientation and problem difficulty on muscle action potentials, J. Exp. Psychol; Implications of theoretical formulations and research in perception for experimental psychology, In: Perception in present-day psychology; co-auth, Ego involvement as an experimental variable, Psychol. Reports Monogr. Address: 154 Charles St, East Williston, N.Y. 11596.
- REUSS, DR. CARL F(REDERICK), b. Philadelphia, Pa, June 7, 15; m. 38; c. 3. SOCIOLOGY. B.S. Virginia, 34, M.S. 35, Ph.D, 37. Asst. rural sociologist, State Col. Wash, 37-44; prof. sociol, Capital Univ, 44-48; exec. secy. Bd. Christian Soc. Action, AM. LUTHERAN CHURCH, 45-60, DIR. CMN. RES. & SOC. ACTION, 60- Dean faculty, Wartburg Col, 48-51. Am. Lutheran Church del. assembly, World Coun. Churches, Uppsala, 68 & assemblies, Lutheran World Fedn, Minneapolis, 57 & Helsinki, 63. Nat. Coun. Family Rels; Sociol. Asn; Rural Sociol. Soc; Soc. Study Social Probs. Population mobility; relation of religion to current social problems, marriage and family, social change and social planning. Publ: The Christian and his social living. Address: American Lutheran Church, 422 S. Fifth St, Minneapolis, Minn. 55415.
- REUSS, PROF. FREDERICK G(USTAV), b. Wuerzburg-Bavaria, Germany, July 5, 04; nat; m. c. 2. ECONOMICS. M.A. Munich, 26 & 27; cert, Kiel, 25; Ph.D, Wuerzburg, 29; A.M. Catholic Univ, 39. Econ. analyst, Ministry Finance, Berlin, Germany, 29-32; dir. railroad retirement syst, Ministry Transportation, 32-36; dir. sch. soc. serv, Xavier (La), 39-44; econ. analyst, bur. old age & survivors ins, Soc. Security Admin, 44-46; assoc. prof. ECON, GOUCHER COL, 46-51, PROF, 51- Mem. faculty, Loyola Col.(Md), 45-49; lectr, eve. sch, Hopkins, 48 & 49. Econ. Asn; Finance Asn. Social security financing. Publ: Co-auth, Economic needs of older people, 20th Century, 56 & Money and banking, Pitman, 57; auth, Fiscal policy for growth without inflation: the German experiment, Johns Hopkins, 63. Address: Dept. of Economics, Goucher College, Towson, Md. 21204.
- REUTTER, DR. CLIFFORD, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- REVANKAR, DR. NAGESH, b. Kagal, Mysore, India, Aug. 2, 36. ECONOMICS. B.A. Poona, 58, M.A. 60; Asia Found. scholar, Wisconsin, 63-64, M.A. 65, Ford Found. fel, 66-67, Ph.D.(econ), 67. Lectr. statist, Vikram Univ, India, 60-61; instr, Ferguson Col, Poona, 62-63, lectr, 63; ASST. PROF. ECON. & ECONOMET, STATE UNIV. N.Y. BUFFALO, 67- Econ. Asn; Statist. Asn. Econometric study of production functions, especially elasticity of substitution and returns to scale. Address: Dept. of Economics, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- REVERE, PROF. ROBERT B, b. New York, N.Y., May 27, 26; m. 48; c. 1. POLITICAL SCIENCE. B.A. Roosevelt, 51; M.A. Asia Inst, 54; Chicago, 55-56; Nat. Defense Ed. Act fel, Dropsie Col, 59-60; Danforth Found. award, N.Y. Univ, 65-66. Instr. hist, Ithaca Col, 56-57; asst. prof, Glassboro State Col, 57-59; ASSOC. PROF, Trenton State Col, 60-65; POLIT. SCI, MANSFIELD STATE COL, 66- Am. Asn. Mid. East Studies summer res. grant, 63. U.S.A. 43-45. Hist. Asn; Mid. East Inst. N.Am; Polit. Sci. Asn. Ancient Near East economic history; Manichaeism; militant socialism in the Arab world; Algeria since independence; political development, science and civilization in the Middle East. Publ: No man's coast: ports of trade in eastern Mediterranean, In: Trade and market in early empires, Macmillan, 57; Assimilation and integration in Asian scientific thought, Physics Teacher, 11/66; Decolonization and disenchantment, Trenton Rev, 11/66. Address: Dept. of Political Science, Mansfield State College, Mansfield, Pa. 16933.
- REVIS, DR. JOSEPH S(UMNER), b. Boston, Mass, Dec. 16, 26; m. 49; c. 4. ECONOMICS. B.A. Northeastern, 51; M.A. Columbia, 53. Asst. prof. econ, Northeastern, 53-57; res. analyst, Joint State Govt. Cmn, Pa, 57-61; sr. transport economist, W.B. Saunders Co, 61-62; ASSOC. ECONOMIST, ROBERT R. NATHAN ASSOCS, INC, 62- Lectr. Pa. State, 60-61; dir. develop. proj, Upper Mich, 62-64; develop. economist, adv. group mem, Govt. Repub. Korea, 64-66; mem, Transport Survey Team to Malaysia, 67-68. U.S.A.A.F. 43-45. Soc. Int. Develop; Econ. Asn; Statist. Asn; Econ. Hist. Asn. Economic development; international trade and regional economics; economics of transportation and industrial development. Publ: Steel prices and international trade effects; Economic development and implementation in the upper peninsula of Michigan, R.R. Nathan Assocs. for Area Redevelop. Asn, 64; The role of the motor vehicle in metropolitan New York, 68. Address: Robert R. Nathan Associates, Inc, 1218 16th St. N.W., Washington, D.C. 20036.

- REVUSKY, DR. SAMUEL H(ERMAN), b. Tel Aviv, Israel, Aug. 2, 33. EXPERIMENTAL PSYCHOLOGY. B.A. Columbia, 57; Nat. Inst. Ment. Health fel, Indiana, 59-60, Ph.D., 61. RES. PSYCHOLOGIST, Vet. Admin. Hosp., Northampton, Mass., 61-64; BIOPHYS. DIV, ARMY MED. RES. LAB., 64-Lectr., Washington (Seattle), 67-68. U.S.A., 55-56, Res., 56- AAAS; Psychol. Asn. Role of associative learning in feeding behavior; delay of reinforcement; operant conditioning; psychophysiology. Publ: Hunger level during food consumption, *Psychonomic Sci.*, 67; Statistical treatments compatible with individual organism methodology, *J. Exp. Anal. Behav.*, 67; Aversion to sucrose produced by subsequent x-irradiation, *J. Comp. Physiol. Psychol.*, 68- Address: Biophysics Division, Army Medical Research Lab, Ft. Knox, Ky. 40121.
- REVZAN, PROF. DAVID ALLEN, b. Chicago, Ill., May 1, 09; m; c. 2. MARKETING, BUSINESS ADMINISTRATION. Ph.B., Chicago, 30, A.M., 35, Ph.D., 43. Lectr. & asst. mkt. sch. bus., Chicago, 30-41; instr. col. commerce, De Paul, 41-43; prin. economist, Region VI, U.S. War Manpower Cmn, 43-46; supvr. mkt. res. Spiegel, Inc., 46-47; PROF. MKT. SCH. BUS. ADMIN, CALIFORNIA, BERKELEY, 47- Asst. economist, U.S. Dept. Agr., 34; lectr., De Paul, 37-41; summer, prof. lectr., Chicago, 47. Econ. Asn. History of marketing in the United States; price structure analyses; general marketing and wholesaling; geography of marketing; marketing sectorial analysis. Publ: Wholesaling in marketing organization; Marketing significance of geographical variations in wholesale-retail sales ratios, Vol. I, 65, Vol. II, 67 & Perspectives for research in marketing: seven essays, 65, Inst. Bus. & Econ. Res., Univ. California. Address: 1515 Oxford St, Berkeley, Calif. 94709.
- REWOLDT, PROF. STEWART H(ENRY), b. Dundee, Ill., Jan. 26, 22; m. 46; c. 3. MARKETING. B.B.A., Michigan, 46, M.B.A., 47, Ph.D.(bus. admin), 52. Asst. prof. MKT. Michigan, 52-53; Indiana, 53-55, assoc. prof., 55-56; MICHIGAN, 56-60, PROF., 60- DIR. MASTER BUS. ADMIN. PROG., GRAD. SCH. BUS. ADMIN., 67- U.S.A., 43-46. Econ. Asn; Mkt. Asn. Marketing theory; sales management; foreign trade. Publ: Economic effects of marketing research; ed, *Frontiers in marketing thought*; auth, *Assignment of trademarks*, J. Mkt. Address: School of Business Administration, University of Michigan, Ann Arbor, Mich. 48104.
- REXROAD, PROF. CARL N(EWTON), Psychol., see 10th ed, Soc. & Behav. Vols.
- REYHER, DR. JOSEPH, b. Chicago, Ill., June 1, 28; m. 56; c. 2. PSYCHOLOGY. B.A., Northwestern, 51, M.S., 52; Ph.D.(psychol.), Illinois, 58. Asst. training dir., Acme Steel Co., Ill., 52-53; trainee clin. psychol., Vet. Admin. Hosp., Danville, 53-56; asst. PSYCHOL., Illinois, 56-57; U.S. Pub. Health serv. res. fel, 57-58; asst. prof. MICH. STATE, 58-65, ASSOC. PROF., 65- Consult, Vet. Admin. Hosp., Battle Creek, 60- U.S.N., 46-49. Psychol. Asn. Personality; psychotherapy; projective techniques; hypnosis. Publ: Post-hypnotic stimulation of hypnotically induced conflict in relation to psychosomatic reactions and psychopathology, *Psychosom. Med.*; A paradigm for determining the clinical relevance of hypnotically induced psychopathology, *Psychol. Bull.*; co-auth, A comparison between hypnotically induced age regressions and waking stories to TAT cards; a preliminary report, *J. Consult. Psychol.* Address: Dept. of Psychology, Michigan State University, East Lansing, Mich. 48824.
- REYNA, PROF. LEO J(AY), b. New York, N.Y., Oct. 26, 18; m; c. 5. PSYCHOLOGY. Asst., Iowa, 44-46; lectr. PSYCHOL., Witwatersrand, 46-49, sr. lectr., 49-50; asst. prof., BOSTON, 50-54, assoc. prof., 54-61, PROF., 61- DIR. PSYCHOL. LABS., 55- Lectr., exten. div., Harvard, 59- Res. exec. secy., Vet. Admin. Neuropsychiat. Hosp., Bedford, Mass., 51-55, res. consult., 55-61; co-investr., Boston Vet. Admin. Hosp., 62- Am. Psychol. Asn; Psychonomic Soc; African Studies Asn; N.Y. Acad. Sci; S.African Psychol. Asn. (secy., 48). Behavior decrement and alteration; experimental organic changes; behavior therapy theory; applied experimental psychology. Address: Dept. of Psychology, Boston University, Boston, Mass. 02215.
- REYNER, PROF. ANTHONY S(TEPHEN), b. Tabor, Czech, June 15, 12; nat; m. 49, 61; c. 2. POLITICAL GEOGRAPHY. Dr. jur. & sc. pol., Charles Univ., Prague, 35; Sc.M., Chicago, 41. PROF. GEOG., Puerto Rico, 44-46; HOWARD, 46- Vis. prof., Catholic Univ., 60; lectr., Indust. Col. Armed Forces; Nat. Coun. Ed. lectr., Wash. Int. Center, 48-61; lectr., D.C. Teachers Col., 62. Consult, int. boundaries, U.S. Dept. State, 57- U.S.A.F.R., 50-53, Maj. Asn. Am. Geog.; African Studies Asn; fel. Royal Geog. Soc. Boundary problems; economic and social geography of Africa south of the Sahara, South America and Western Europe. Publ: Co-auth, *Essays in political geography*, Methuen, Eng., 68; auth, *Panama Canal: retrospect and prospect*; *Guyana's disputed borders*, World Affairs. Address: Dept. of Geography, 1098 Howard University, Washington, D.C. 20001.
- REYNIERSE, DR. JAMES H., b. Prospect Park, N.J., Oct. 7, 38; m. 61; c. 2. PSYCHOLOGY. A.B., Calvin Col., 59; M.A., Mich. State, 61, Ph.D.(psychol.), 64. Nat. Inst. Ment. Health res. fel, Indiana, 64-65; ASST. PROF. PSYCHOL., NEBRASKA, LINCOLN, 65- Nat. Inst. Ment. Health res. grants, 65-69. Psychol. Asn; Psychonomic Soc; Animal Behav. Soc. Comparative psychology; animal behavior; learning; invertebrate behavior; avoidance learning and fear conditioning. Publ: Effects of CS only trials on resistance to extinction of an avoidance response, 66 & Reactions to light in four species of Planaria, 67, *J. Comp. Physiol. Psychol.*; Aggregation formation in Planaria, *Phagolata Gracilis* and *Curr. Foreman*: species differentiation, *Animal Behav.*, 67. Address: Dept. of Psychology, University of Nebraska, Lincoln, Nebr. 68508.
- REYNOLDS, DR. CLARK W., b. Chicago, Ill., Mar. 13, 34; m. 59; c. 1. ECONOMICS. A.B., Claremont Men's Col., 56; Woodrow Wilson fel, 56-57; Danforth fel, 56-61, Rockefeller fel, 57-58; Mass. Inst. Tech., 56-58; Harvard, 57-58; Doherty Found. fel, 60-61; Ph.D. California, 62. Asst. prof. ECON., Occidental Col., 61-62; from asst. prof. to assoc. prof., Yale, 62-67; ASSOC. PROF. FOOD RES. INST., STANFORD, 67- Res. coordinator, South. Calif. Res. Coun., 61-62; spring vis. lectr., sch. econ., Stockholm, 68. Consult, econ. Inst., Univ. Chile, 60-61; Japanese Govt., 61. Econ. Asn. Economic development of Latin America; regional economic development; international trade; special economic development problems of export economics. Publ: Co-auth, *Essays on the Chilean economy*, 65 & auth, *The Mexican economy: twentieth century structure and growth*, 69, Irwin. Address: Food Research Institute, Stanford University, Stanford, Calif. 94305.
- REYNOLDS, DR. DAVID R(EID), b. Plymouth, Mass., July 18, 40. HUMAN GEOGRAPHY. B.S., Pa. State, 62; M.S., Northwestern, 63, univ. fel, 64, Nat. Sci. Found. grant & Northwestern Univ. Transportation Center fel, 65, Chicago Geog. Soc. grant, 65-66, Ph.D.(geog.), 66. ASST. PROF. GEOG., Indiana, 66-68; IOWA, 68- Asn. Am. Geog.; Regional Sci. Asn. Consumer travel behavior; spatial diffusion; modeling the effects of boundaries on spatial interaction; spatial contagion in voting patterns; environmental perception and search behavior; political development in a spatial context. Publ: Co-auth, *The spatial structure of transportation networks and socio-economic development*, Ind. Acad. Soc. Sci. Proc., 67; On the analysis of political boundaries as barriers: a perceptual approach, *E. Lakes Geogr.*, spring 68. Address: Dept. of Geography, University of Iowa, Iowa City, Iowa 52240.
- REYNOLDS, DR. EARLE L(ANDRY), Phys. Anthropol., see 11th ed, Phys. & Biol. Vols.
- REYNOLDS, DR. GEORGE STANLEY, b. Waterville, Maine, May 18, 36. EXPERIMENTAL PSYCHOLOGY. A.B., Harvard, 57, Sheldon traveling fel, 57-58, Ph.D.(psychol.), 60. Instr. PSYCHOL., Harvard, 60-62; asst. prof., Chicago, 62-64, ASSOC. PROF., 64-66; CALIFORNIA, SAN DIEGO, 66- AAAS; Psychol. Asn. General experimental psychology; operant conditioning. Publ: A primer of operant conditioning, Scott, 68; Effects of stress upon problem solving, *J. Gen. Psychol.*; co-auth, *Binaural summation of loudness*, *J. Acoustical Soc. Am.* Address: Dept. of Psychology, University of California, San Diego, P.O. Box 109, La Jolla, Calif. 92037.
- REYNOLDS, DR. GERALD A(NTHONY), b. Erie, Pa., June 13, 23; m. 47; c. 3. PSYCHOLOGY. B.S., Gannon Col., 48; M.A., Fordham, 50; Ph.D., Purdue, 54. Personnel asst., Rubenoid Co., Pa., 48; instr. psychol., Boston Col., 49-50; trainee clin. psychol., Purdue & Vet. Admin., 50-53; clin. psychologist, Vet. Admin. Hosp., Houston, Tex., 53-56; supvr. psychologist, State Coun. Res. & Training, Fla., 56-57; chief psychologist, Ark. State Hosp., Little Rock, 57-58; dir. psychol., Miss. State Hosp., Whitfield, 58-60; exec. rels. psychologist, Boeing Airplane Co., 60, human factors specialist, 60-62; regional assoc., Walter V. Clarke Assocs., 62-65; PRACTICING PSYCHOLOGIST, 64-Lectr., Jackson Center, Mississippi, 58-60, med. sch., 59; North Carolina, Charlotte, 66- Consult, Charlotte Mem. Hosp., 64-; Charlotte Rehab. Hosp., 66- U.S.A.A.F., 43-45. Psychol. Asn; Rehab. Asn. Group process; effect of organization on performance; communication and language; information processing; selection and training; systems and operational analysis. Address: 3233 Northhampton Dr., Charlotte, N.C. 28210.
- REYNOLDS, PROF. HARRY W, JR., Pub. Admin., Polit. Sci., see 10th ed, Soc. & Behav. Vols.
- REYNOLDS, LT. COL. HERBERT H(AL), U.S.A.F., Exp. & Physiol. Psychol., see 11th ed, Phys. & Biol. Vols.
- REYNOLDS, DR. JAMES HOWARD, b. Plainfield, N.J., May 21, 30; m. 51; c. 3. EXPERIMENTAL PSYCHOLOGY. A.B., Dartmouth Col., 51; Ed.M., Rutgers, 59; Ph.D.(psychol.), Syracuse, 61. Res. asst. prof. PSYCHOL., Pittsburgh, 61-63; U.S. Pub. Health Serv. fel, inst. human learning, California, Berkeley, 63-64; asst. prof. PSYCHOL., COLGATE, 64-67, ASSOC. PROF. & CHMN. DEPT., 67- U.S.A.F., 51-55, Sgt. AAAS; Psychol. Asn. Human learning; memory; concept formation. Publ: Repetition factors in one-trial learning of paired associates, 63, co-auth, First-list retentions as a function of list differentiation and second list massed and distributed practices, 65 & auth, Confirmation, contiguity, and response practice in paired associate learning, 67, *J. Exp. Psychol.* Address: Dept. of Psychology, Colgate University, Hamilton, N.Y. 13346.
- REYNOLDS, PROF. JAMES W(ILLIAM), Agr. Econ., see 10th ed, Soc. & Behav. Vols., deceased 62.
- REYNOLDS, JOHN E(USTACE), b. Buffalo, N.Y., Oct. 22, 23; m. 47; c. 2. ECONOMICS. A.B., Harvard, 44, fel, 48-50, M.A., 50. Official, monetary & econ. dept., Bank Int. Settlements, Switz., 50-53; economist, DIV. INT. FINANCE, BD. GOVERNORS, FED. RESERVE SYST., 53-68, ASSOC. DIR., 68- Staff dir. rev. cmt. for balance payments statist., Budget Bur., 63-65. U.S.A.A.F., 43-46, Lt. Econ. Asn; Statist. Asn. Foreign economic policy and balance of payments; business cycles; commodities. Publ: Co-auth, *The balance of payments statistics of the United States: a review and appraisal*, U.S. Govt. Printing Off., 65. Address: Division of International Finance, Board of Governors of the Federal Reserve System, Constitution Between 20th & 21st, N.W., Washington, D.C. 20551.
- REYNOLDS, DR. JOHN EVERETT, b. Amity, Mo., Jan. 10, 40; m. 63; c. 2. AGRICULTURAL ECONOMICS. B.S., Missouri, 61; M.S., Iowa State, 63, Ph.D.(agr. econ), 66. Res. assoc. agr. econ., Iowa State, 65; agr. economist, nat. res. econ. div., econ. res. serv., U.S. Dept. Agr., 65-66; ASST. PROF. AGR. ECON., FLORIDA, 66- Consult, Southern Land Econ. Res. Cmt., 66- Agr. Econ. Asn. Natural resource economics especially value, ownership and use of land and use and allocation of water. Publ: Co-ed, *Water research needs: an economic appraisal*, Univ. Florida, 67; auth, *Land settlement in the rural-urban fringe*, U.S. Dept. Agr., 68; co-auth, *Factors affecting farmland values in the U.S.*, Iowa Agr. Exp. Sta. Res. Bull., 68. Address: Dept. of Agricultural Economics, University of Florida, Gainesville, Fla. 32601.
- REYNOLDS, PROF. LLOYD G(EORGE), b. Wainwright, Alta., Dec. 22, 10; nat; m. 37; c. 3. ECONOMICS. B.S., Alberta, 31, LL.D., 58; M.A., McGill, 33; Ph.D.(econ), Harvard, 36. Instr. ECON., Harvard, 38-39; asst. prof., Hopkins, 39-41, assoc. prof., 42-45; YALE, 45-47, prof., 47-51, STERLING PROF., 51- DIR. ECON. GROWTH CENTER, 60-, chmn. dept. econ., 51-59. Guggenheim fells, 54-55 & 67-68; prog. dir., Ford Found., 55-57, res. fel, 59-60. Econ. Asn.(v.pres, 59); Economist. Soc; Indust. Rel. Res. Asn.(pres, 55). Struc-

ture and growth of national economies; economic planning and development. Publ: Labor economics and labor relations; The structure of labor markets; Economics: a general introduction. Address: Dept. of Economics, Yale University, New Haven, Conn. 06511.

REYNOLDS, LYNN M (AXWELL), JR, b. Portland, Maine, Oct. 4, 25; m. 47; c. 3. SOCIOLOGY. A.B. Bowdoin Col, 49; M.A. California, 55. Asst. sociol. California, 53, 54-55; Coun. Civic Unity, San Francisco, 55-56; relocation aide, Richmond Redevelop. Agency, 58; assoc. STATE DEPT. MENT. HYG, 59-61. RES. TECHNICIAN, 61- Res. fel. dept. psychiat. sch. med. California, San Francisco, 62-; res. assoc. California, Berkeley, 64-65; res. dir. voc. rehab. proj. Bay Area Soc. Planning Coun, 65-68. U.S.N., 43-46. Theory and methods of social psychology from the point of view of social behaviorism; mental illness and interethnic contracts. Publ: Co-auth, Civil rights inventory of San Francisco; Approach to the question of the effect of ataractic drugs on hospital release rates; Program of follow-up studies of first admissions to California state hospitals for general psychiatry. Address: 1711 Rose St, Berkeley, Calif. 94703.

REYNOLDS, DR. MARY T (RACKETT), b. Milwaukee, Wis., Jan. 11, 14; m. 37; c. 3. POLITICAL SCIENCE. A.B. & M.A. Wisconsin, 35; Greene fel., Radcliffe Col, 35-36; univ. fel. Columbia, 36-37, Barnard fel, 37-38, Ph.D. (pub. law), 39. Asst. Litterauer Sch. Harvard, 38-39; instr. polit. sci., Queens Col. (N.Y.), 40-41; Hunter Col, 41-42, lectr. 45-47; Conn. Col. Women, 47-48, asst. prof. 48-50; contrib. coop. res. proj. convention dels. Am. Polit. Sci. Asn, 52; consult. Nat. Munic. Asn, 56-61; RES. ASSOC. POLIT. SCI., YALE, 61- Sr. economist, Temporary Nat. Econ. Cmt, 40; assoc. Hopkins, 42-43; admin. asst. Glenn L. Martin Co, 42-43. Consult. Nat. Defense Adv. Cmn, 49; Develop. Center, Orgn. Econ. Coop. & Develop. Paris, France, 64; U.S. Agency Int. Develop. D.C. 64-65. Ed. Case Studies in Pub. Admin. pub. admin. cmt. Soc. Sci. Res. Coun, D.C. 44-45. Polit. Sci. Asn; Soc. Pub. Admin; Soc. Int. Develop. Political parties; public administration; economic development; documentation problems. Publ: Interdepartmental committees in the national administration; Economic development libraries, Spec. Libraries J, 9/66; Documentation in economic development, 67. Address: 75 Old Hartford Turnpike, Hamden, Conn. 06517.

REYNOLDS, PROF. MAYNARD C (LINTON), b. Doyan, N.Dak, Feb. 16, 22; m. 48; c. 3. SPECIAL EDUCATION. B.S. Moorhead State Teachers Col, 43; M.A. Minnesota, 47, Ph.D. (ed. psychol.), 50. Asst. prof. ed. psychol. Long Beach State Col, 50-51; MINNESOTA, MINNEAPOLIS, 51-53, assoc. prof. & dir. psycho-ed. clin, 53-58. PROF. ED. PSYCHOL. & DIR. DEPT. SPEC. ED, 58- Mem. Coun. Except. Children, pres, 65-66, chmn. policies cmn, 67-; chmn. state adv. cmt. progs. disadvantaged children, Title I, Elem. Sec. Ed. Act, 67- U.S.A.A.F., 42-46. AAAS; Psychol. Asn; Asn. Ment. Deficiency. School psychology; learning difficulties. Publ: Co-auth, Early admission to school of mentally advanced children, Nat. Ed. Asn, 62; A study of public school children with severe mental retardation. Address: 101 Pattee Hall, University of Minnesota, Minneapolis, Minn. 55455.

REYNOLDS, PROF. ROBERT W (ILLIAMS), Physiol, Psychol, see 11th ed, Phys. & Biol. Vols.

REYNOLDS, DR. ROY R (ICHARD), b. Chauvin, Alta, Dec. 5, 23; nat; m. 53; c. 3. ECONOMICS. B.A. Alberta, 46; M.A. Yale, 47; Ph.D. Mass. Inst. Tech, 51. Training specialist, Ford Motor Co, 51-52; supvr. employee rels. res, Kaiser Steel Corp, 52-63, dir. indust. rels. planning, Kaiser Indus. Corp, 63-67, PERSONNEL DIR, KAISER FOUND. MED. CARE PROG, 67- Econ. Asn; Indust. Rels. Res. Asn; Soc. Personnel Admin. Personnel administration: union management relations; labor economics. Address: Kaiser Foundation Medical Care Program, 300 Lakeside Dr, Oakland, Calif. 94604.

REYNOLDS, R (USSELL) R (OY), b. Howard City, Mich, Dec. 21, 06; m. 32; c. 5. ECONOMICS. B.S.F. Michigan, 29, M.S.F. 30; Pack fel, 34. Jr. for-ester, SOUTH. FOREST EXP. STA, U.S. FOREST SERV, 30-33, asst. conservationist, 33-34, conservationist, 34, assoc. forest economist, 34-36, officer in charge, Crossett Exp. Forest, 36-62, forest economist, 39-46, sr. forest economist, 46-62, PROJ. LEADER FOREST RES, 62-, PRIN. SILVICULTURIST, 67- Superior serv. award, U.S. Dept. Agr, 47; progressive farmer man of year in Arkansas award, 60. Soc. Am. Foresters. Forest economics, finance and management. Address: Box 655, Crossett, Ark. 71635.

REYNOLDS, PROF. WILLIAM HOWARD, b. Herrin, Ill, Sept. 8, 22; m. 49; c. 2. MARKETING, BUSINESS ADMINISTRATION. B.Ed. Southern Illinois, 43; Ph.D. (polit. sci.), Chicago, 51. Asst. prof. polit. sci., Ill. Inst. Tech, 48-52; dir. case anal. Chicago regional off, U.S. Off. Salary Stabilization, 52-53; orgn. analyst, aircraft engine div, Ford Motor Co, 53-54, supvr. systs. & methods sect, 54-55, asst. mgr. standards & admin, dept, 55; corp. orgn. analyst, off. of pres, 55-56, mgr. admin. serv. dept, Lincoln div, 56-57, asst. to v.pres & gen. mgr. Ford div, 57-58, mkt. res. coordinator, 58-63, corp. staff, 63; assoc. prof. mkt. grad sch. bus. admin, Southern California, 63-65, prof. 65-67; PROF. MKT. & COORDINATOR MKT. AREA, COL. BUS. ADMIN, ILLINOIS, CHICAGO, 67- Ed. dir. inst. adv. advert. studies, Southern California-West. Coun. Am. Asn. Advert. Agencies prog, 64-67; res. coordinator, Mgt. Coun. Employment, Merit Training & Res, 66-67. U.S.M.C.R., 42-45, Capt. Mkt. Asn. (book & monogr ed, 67-). Organization theory; consumer behavior; marketing research techniques. Publ: Co-auth, Consumer behavior and marketing management, Houghton, 67; auth, More sense about market segmentation, Harvard Bus. Rev, 65; Stochastic model of opinion solidification, J. Advert. Res, 65. Address: Dept. of Marketing, College of Business Administration, University of Illinois at Chicago Circle, Box 4348, Chicago, Ill. 60680.

REZLER, DR. AGNES G, b. Hungary, Aug. 26, 22; nat; m. 54. EDUCATIONAL PSYCHOLOGY, COUNSELING. B.A. Hunter Col, 50; Stanford, 51; Ph.D. Chicago, 60. Counseling psychologist, Roosevelt, 57-60; Presby-St. Luke's Sch. Nursing, 60-61; with Xavier Labour Inst, India, 61-62; asst. prof. ed. psychol. grad. sch. DePaul, 62-64; psychol. Northern Illinois, 64-67; RES. AS-SOC. PSYCHOL. CENTER STUDY MED. ED, MED. COL, ILLINOIS, CHI-

CAGO, 67- Psychol. Asn; Ed. Res. Asn. Medical education. Publ: Comparative study of occupational values of American and Indian students; The use of the Kuder preference record and the Holland preference inventory in the vocational assessment of high school girls, Psychol. in Schs, 1/67; Characteristics of high school girls choosing traditional or pioneer vocations, Personnel & Guid. J, 3/67. Address: 22 W. 765 Tamarack, Glen Ellyn Woods, Ill. 60137.

REZLER, DR. JULIUS, b. Miskolc, Hungary, May 31, 11; m. 54. ECONOMICS. M.A. Budapest, 35; Ph.D. (soc. hist), Szeged, 38; Dr. rer. pol. (econ), Pecs, 41. Dir. Hungarian Inst. Labor Sci, 43-45; sect. chief, Hungarian Civil Serv, 45-48; guest prof. Texas, 52-53; assoc. prof. econ, St. Francis Col. (N.Y.), 54-57; PROF. INDUST. RELS. & DIR. INST. INDUST. RELS., GRAD. SCH., LOYOLA (ILL), 57- Vis. Fulbright prof. India, 61-62. Econ. Asn; Indust. Rels. Res. Asn; Mgt. Asn; Arbit. Asn. Labor economics; economic growth, comparative economic systems; effects of automation on the organization, growth and functions of labor organizations. Publ: Current issues of labor economics in the United States, Int. Soc. Sci. J, 61; Managerial functions in the era of automation, Adv. Mgt. J, 4/64; The place of industrial relations programs in the structure of university, Indust. & Labor Rel. Rev, 1/68. Address: 820 N. Michigan Ave, Chicago, Ill. 60611.

REZNIKOFF, DR. MARVIN, b. U.S., May 11, 25; m. 52; c. 3. PSYCHOLOGY. B.S., City Col. New York, 48; M.A. N.Y. Univ, 49, Ph.D. 53. Statistician, Am. Cancer Soc, 49-50; asst. psychol. N.Y. Univ, 50-51; clin. psychologist, Neurol. Inst, 51-53; Am. Cancer Soc. res. fel. Yale, 53-55; DIR. DEPT. CLIN. PSYCHOL. INST. LIVING, 55- Lectr. Hartford, 57-; Connecticut, 66- Res. consult, Fairfield State Hosp, 59-65. U.S.A. 44-46. Psychol. Asn. Projective tests; psychosomatics; attitudinal research. Publ: Evaluation of changes associated with psychiatric treatment, C.C. Thomas, 57; Psychiatric attitudes battery, J. Clin. Psychol, 59; Attitudes toward computers among employees of a psychiatric hospital, Ment. Hyg, 67. Address: Institute of Living, 200 Retreat Ave, Hartford, Conn. 06102.

RHEINGOLD, DR. HARRIET L (ANGE), b. New York, N.Y., Feb. 13, 08; m. 32, 60; c. 2. PSYCHOLOGY. A.B. Cornell, 28; M.A. Columbia, 30; Ph.D. (psychol.), Chicago, 55; fel. Yale, 30-31; fel. Worcester State Hosp, Mass, 31-32. Psychologist, State Hosp, N.H., 32-33; supvr. psychologist, Inst. Juvenile Res, Ill, 37-47; asst. prof. psychol. Rockford Col, 45-53; res. psychologist, Nat. Inst. Ment. Health, 55-64; RES. PROF. PSYCHOL. NORTH CAROLINA, CHAPEL HILL, 64- Nat. Inst. Child Health & Human Develop. res. career award, 64- AAAS; Psychol. Asn; Soc. Res. Child Develop. Development of social and exploratory behavior in infants; effects of strange environments. Publ: Ed, Maternal behavior in mammals, Wiley, 63; auth, Development of social behavior, Soc. Res. Child Develop, 66 & The social and socializing infant, In: Handbook of socialization theory, 68. Address: Dept. of Psychology, University of North Carolina, Chapel Hill, N.C. 27514.

RHEINGOLD, DR. JOSEPH C (YRUS), b. New York, N.Y., Oct. 5, 03; m. 32; c. 2. PSYCHIATRY. M.D. Illinois, 30, Ph.D. (psychiat), 41. Asst. clin. prof. PSYCHIAT, Illinois, 40-47; RES. ASSOC. HARVARD MED. SCH, 58-, lectr. psychiat, 67. Consult, Boston City Hosp. U.S.N.R., 43-46, Comdr. Am. Med. Asn; Psychiat. Asn. Mother-child relationship. Publ: The fear of being a woman, Grune, 64; The mother, anxiety, and death, Little, 67. Address: 37 Audubon Rd, Wellesley Hills, Mass. 02181.

RHEUMER, DR. G (EORGE) A (LFRED), b. Parksville, B.C., Mar. 2, 20; m. 47; c. 3. GEOGRAPHY. B.A. British Columbia, 48; M.S. Illinois, 51, Ph.D. (geog), 53. Asst. GEOG, Illinois, 49-52; instr. Colorado, 52-53; asst. prof. Southern California, 53-55; Illinois, Chicago, 55-62, ASSOC. PROF, 62-66; SIMON FRASER UNIV, 66- Presidents res. grant, 67- R.C.A.F., 42-46. Asn. Am. Geog; Can. Asn. Geog. Climatology; rural land use; historical geography; recreational land use. Publ: Co-auth, Climatic resources of British Columbia, Agr. Res. & Develop. Admin. Can, 67. Address: Dept. of Geography, Simon Fraser University, Burnaby 2, B.C. Can.

RHINE, DR. J (OSEPH) B (ANKS), b. Waterloo, Pa, Sept. 29, 95; m. 20; c. 4. PSYCHOLOGY. B.S. Chicago, 22, M.S., 23, Ph.D. (bot), 25; Harvard, 26-27. Asst. plant physiologist, Boyce Thompson Inst, 23-24; instr. plant physiol, West Virginia, 24-26; fel. Duke, 27-28, instr. philos. & psychol, 28-29, asst. prof. psychol, 29-35, assoc. prof, 35-37, prof, 37-50, dir. parapsychol. lab, 40-65; dir. Inst. Parapsychol, 64-68. Founder, J. Parapsychol; Found. Res. Nature of Man. U.S.M.C., 17-19. AAAS; Psychol. Asn; Parapsychol. Asn. Extrasensory perception; psychokinesis. Publ: Co-auth, Parapsychology frontier science of the mind, C.C. Thomas, 57; auth, The reach of the mind, Apollo, 61; ed, Parapsychology today, Citadel, 68. Address: Institute for Parapsychology, College Station, Durham, N.C. 27708.

RHINE, DR. R (AMON) J, b. San Francisco, Calif, Feb. 28, 27; m. 58. PSYCHOLOGY. B.A. California, 50; M.S. Oregon, 52; Ph.D. (psychol), Stanford, 55. Asst. Center Adv. Study Behav. Sci, 54-55; instr. psychol, Massachusetts, 55-56; training specialist, Rand Corp, 56-57; dept. head, Sys. Develop. Corp, 57-64; ASSOC. PROF. PSYCHOL. CALIFORNIA, RIVERSIDE, 64- U.S.N. 44-46. Psychol. Asn. Social attitudes; animal-social; cognitive processes. Publ: A concept-formation approach to attitude acquisition, Psychol. Rev, 65: 362-370; Some problems in dissonance theory research on information selectivity, Psychol. Bull, 68: 21-28; The 1964 presidential election and curves of information seeking and avoiding, J. Personality & Soc. Psychol, 5: 416-423. Address: Dept. of Psychology, University of California, Riverside, Calif. 92502.

RHINEHART, DR. JESSE BATLEY, b. Ellsworth, Pa, Aug. 20, 07; m. 36; c. 1. PSYCHOLOGY. B.S. Geneva, 30; M.A. Pittsburgh, 32, Ph.D. (psychol), 35. Sr. clin. asst, Pittsburgh, 33-35; private practice, Child Develop. Center, Pittsburgh, Pa, 35-39; clin. psychologist, State Habit Clins, Mass, 39; psychologist, Hiram House, Cleveland, Ohio, 40-43; bur. juvenile res, Ohio, 43-45; asst. prof. psychol, Illinois, 45-47; chief clin. psychologist, ment. hyg. clin. regional off, Vet. Admin, Indianapolis, Ind, 47-49, chief clin. psychol. sect, Biloxi, Miss, 49-51, chief clin. psychol. & counsr, psychol. serv, Jackson, Miss, 51-57; PARTNER, SOUTH. RES. ASSOCS, 57-; COORDINATOR, PSYCHOL. SERV, VET. ADMIN. HOSP, DOWNEY, 63- Lectr. med.

sch, Mississippi, 55-57; assoc. prof. & chmn. dept. psychol, Crane Campus, Chicago State Col, 61-63. Dipl. Am. Ed. Exam. Prfl. Psychol. AAAS; fel. Psychol. Asn. Clinical psychology; personality problems; management research. Address: Box 111, Deerfield, Ill. 60015.

RHOADES, PROF. LAWRENCE DUNCAN, Agr. Econ, see 10th ed, Soc. & Behav. Vols, deceased.

RHODE, PROF. ROBERT B(ARTLETT), Journalism, see 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.

RHODES, DR. ALBERT LEWIS, b. Montezuma, Iowa, Sept. 11, 26; m. 55; c. 2. SOCIOLOGY. B.A., Southern Methodist, 49; M.A., North Texas State, 54; fel. & Ph.D.(sociol), Vanderbilt, 56. Instr. SOCIOL, Alabama, 56; res. assoc., Vanderbilt, 57-58; asst. prof., Iowa, 58-60; Southern Methodist, 60-64; ASSOC. PROF., FLA. STATE, 64- Soc. Sci. Res. Coun. fel, Michigan, 63-64. U.S.N. 44-46; U.S.A. 49-52, 1st Lt. Sociol. Asn; Pop. Asn; Soc. Study Social Probs. Juvenile delinquency and education sociology; urban ecology. Publ: Co-auth, Distribution of juvenile delinquency in the social class structure, Am. Sociol. Rev.; Occupational segregation in a metropolitan school system, Am. J. Sociol., 5/65; School retention by race, religion and socioeconomic status, J. Human Resources, spring 68. Address: Dept. of Sociology, Florida State University, Tallahassee, Fla. 32306.

RHODES, DR. BENJAMIN THOMAS, JR., b. Hamilton, Tex, Apr. 1, 33; m. 57; c. 1. STATISTICS, OPERATIONS RESEARCH. B.S., Texas, Austin, 54, M.A., 58; Ph.D.(math. statist), Okla. State, 61. Sr. res. mathematician, Esso Res. & Eng. Co, 60-66; ASST. PROF. INDUST. ENG, HOUSTON, 66- U.S.M.C., 54-56, Capt. Opers. Res. Soc. Am; Inst. Mgt. Sci; Soc. Eng. Ed. Applications of operations research and statistics to industrial problems. Address: Dept. of Industrial Engineering, University of Houston, Houston, Tex. 77004.

RHODES, JACK A(LVIN), b. Oklahoma City, Okla, Apr. 24, 20; m. 52; c. 1. POLITICAL SCIENCE. B.A., Oklahoma, 43, univ. fel, 43-44; Rosenwald fel, 44-45; M.P.A., Harvard, 45, univ. fel, 47; Fulbright scholar, Cambridge, 49-50. Instr. govt, Oklahoma, 45-46; polit. sci, Wellesley Col, 46; asst. dir, STATE LEGIS. COUN. OKLA, 47-50, DIR, 50- Pres. Nat. Legis. Conf, 65-66. Polit. Sci. Asn. Legislative process; public administration; legislative council program and other legislative research aids. Publ: Light for state legislatures, Nat. Munic. Rev.; Legislative council, a program for planning and research & Congressional committee reorganization in 1946, Southwest. Soc. Sci. Quart. Address: Room 534, State Capitol, Oklahoma City, Okla. 73105.

RHODES, DR. JOHN M, Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.

RHODES, PROF. V. JAMES, b. Ravenwood, Mo, Feb. 23, 39; m. 50; c. 3. AGRICULTURAL ECONOMICS. A.B., Missouri, 50; M.A., Harvard, 53, Ph.D., 55. Instr. agr. econ, Missouri, 53-56, asst. prof, 56-58; agr. res. economist, U.S. Dept. Agr, 60-61; assoc. prof. AGR. ECON, MISSOURI, 58-61, PROF, 61-, CHMN. DEPT, 64- Summer, with Int. Coop. Admin, Argentina, 61. Econ. Asn; Agr. Econ. Asn.(award, 55). Consumer behavior and preferences, especially quality and grading of meats; competitive behavior of livestock and meat marketing firms. Publ: Economics of agricultural production, markets and policy, Irwin, 68; How the marking of beef grades was obtained & Variability of consumer preferences, J. Farm Econ. Address: 200 Mumford Hall, University of Missouri, Columbia, Mo. 65201.

RHODES, DR. WILLIAM CONLEY, b. Willetts, La, Nov. 14, 18; m. 42; c. 4. CLINICAL & SOCIAL PSYCHOLOGY. A.B., Emory, 48, M.A., 49; Ph.D. (clin. & soc. psychol), Ohio State, 53. Asst. hosp. admin, Emory Univ. Hosp, 46-49; chief community planning, hosp. serv. div, Ga. Dept. Pub. Health, 49-50, dir. div. ment. hyg, 53-56; asst. prof. psychol, George Peabody Col, 56-61, prof. & co-prin. investr, proj. re-ed. of emotionally disturbed children, 61-63; asst. sect. chief child ment. health sect. & consult. child ment. health, community res. & serv. br, Nat. Inst. Ment. Health, 63-67; PROF. PSYCHOL. & ED, MICHIGAN, 67-; ASSOC. DIR. COMMUNITY SERV, WASHTENAW COUNTY COMMUNITY MENT. HEALTH CENTER, 67- Consult, Tenn. Dept. Pub. Health, 56-57; Tenn. Dept. Ment. Health, 56-59. U.S.A., 41-46, Res, 46-51; U.S.P.H.S.R., 56-, Scientist. Psychol. Asn; Soc. Res. Child Develop. Behavior change and psychosocial problems of children; community mental health; learning theory. Publ: The disturbing child: a problem of ecology management, Except. Children, 3/67; Psychosocial learning, In: Behavioral science frontiers in education, Wiley, 67; co-auth, Multiproblem neighborhood project: a community theory, Community Ment. Health J, 2/68. Address: 3009 Geddes Ave, Ann Arbor, Mich. 48104.

RHOMBERG, DR. RUDOLF R(OBERT), b. Linz, Austria, Oct. 19, 22; m. 50; c. 2. ECONOMICS. Dipl. Vienna, 47, Dr. rer. pol, 49; M.A., Yale, 50, Sterling fel, 50-52, Ph.D., 59. Lectr. econ, Delaware, 52; asst. instr, Yale, 52-54; instr, Connecticut, 54-59; economist, DEPT. RES. & STATIST. INT. MONETARY FUND, 59-64, chief spec. studies div, 64-68; ASST. DIR. DEPT, 68- Econ. Asn; Economet. Soc. International economics; business cycles. Publ: A model of the Canadian economy under fixed and fluctuating exchange rates, J. Polit. Econ, 2/64; Effects of income and price changes on the U.S. balance of payments, Int. Monetary Fund Staff Papers, 3/64; The foreign sector, In: The Brookings quarterly econometric model of the United States, Rand McNally, 65. Address: Dept. of Research & Statistics, International Monetary Fund, Washington, D.C. 20431.

RHODICK, DR. PAUL J(OHN), b. Boston, Mass, Jan. 1, 30; m. 54; c. 1. PSYCHOLOGY. A.B., Harvard, 51, fel, 55-56, A.M. & Ph.D., 59. RES. ASSOC. ment. health, Harvard, 56-57; GERONT, AGE CENTER, NEW ENG, BOSTON, 58-; ASST. PROF. PSYCHOL, MASSACHUSETTS, 66- Clin. psychologist, Vet. Admin, 58-61, res. assoc, Vet. Admin. Clin, 61-, chief outpatient psychiat. res. lab, Vet. Admin. Outpatient Clin, Boston, 63-64; lectr, Emmanuel Col.(Mass), 60-; dir. psychol. res, North Shore Guid. Center, Salem, Mass, 64-66; prin. investr, Nat. Insts. Health grant aging & intelligence quotient, 66- Consult, Raytheon Co, 62- Psychol. Asn. Research in psychological aspects of aging; teaching principles of research design, analysis, abnormal

psychology and learning theory. Publ: Co-auth, Psychological cultural and health characteristics of aging smokers and nonsmokers, J. Geront, 62, Long term effects on psychotherapy of initial treatment conditions, J. Psychiat. Res, 64 & Geriatric psychiatry: article on reminiscing and aging, Int. Univ. Asn, 67. Address: Dept. of Psychology, University of Massachusetts, Boston, Mass. 02116.

RHULMAN, DR. JESSIE L, b. Hamden, Ohio, Jan. 31, 08. PSYCHOLOGY. B.S. & M.A., Ohio State, 30; Ed.D.(psychol. counseling), Columbia, 38. Assoc. prof. & counsr, N.Y. State Col. Home Econ, Cornell, 38-46; assoc. dean students, CALIFORNIA, LOS ANGELES, 46-51, ASSOC. PROF. PSYCHOL, 51- Psychol. Asn. Mental hygiene; educational psychology. Address: 431 Beloit Ave, Los Angeles, Calif. 90049.

RHYNE, DR. ROBERT LEE, b. Plains, Ga, Sept. 2, 29. EXPERIMENTAL PSYCHOLOGY. A.B., Georgia, 51; Duke, 51-53; Dupont fel, Virginia, 58-59, Nat. Sci. Found. fel, 59-60, Ph.D.(psychol), 60. Child welfare aide, State of Ga, 53-54, voc. rehab. counsr, 55; teaching asst. PSYCHOL, Georgia, 56-57; instr, CONN. COL, 60-62, asst. prof, 62-66, ASSOC. PROF, 66- Nat. Inst. Ment. Health res. grant, 64. U.S.A.F., 48-49, Res, 49-55. AAAS; Psychol. Asn. Physiological and comparative psychology; special emphasis on audition; hypothalamic controls of feeding behavior, and hormonal factors. Address: Dept. of Psychology, Connecticut College, P.O. Box 1565, New London, Conn. 06320.

RHYNE, DR. RUSSELL F(OOTE), Polit. Sci, see 10th ed, Soc. & Behav. Vols.

RHYSBURGER, DR. WILLERT, b. Oakland, Calif, Jan. 28, 17; m. 44; c. 2. GEOGRAPHY. B.A., Washington (Seattle), 37, M.A., 46, Ph.D., 52. Instr. geogr, Indiana, 46-52; geogr, Mutual Security Agency Mission to China, 52-55; mil. intel. res. specialist, U.S. Army Pac, 55-66; ASSOC. PROF. GEOG, PORTLAND STATE COL, 66- Asn. Am. Geog; Am. Geog. Soc; Asn. Asian Studies. Regional geography of East and Southeast Asia; natural resources and economic development of East Asia; transportation geography; economic development, Pacific Northwest. Publ: Area and resources survey, Taiwan. Address: Dept. of Geography, Portland State College, Portland, Ore. 97207.

RIACH, DR. WINIFRED D, Psychology, see FRASER, DR. WINIFRED D. RIACH.

RIBLER, DR. RONALD I(RWIN), Psychol, see 10th ed, Soc. & Behav. Vols.

RICARDS, PROF. SHERMAN LLOYD, JR, b. Philadelphia, Pa, Oct. 9, 20; m. 48; c. 4; SOCIOLOGY, DEMOGRAPHY. B.S., N.J. State Teachers Col, Trenton, 42; M.A., Pennsylvania, 47, Ph.D.(sociol), 53. Instr. SOCIOL, Pennsylvania, 47-52; from instr. to asst. prof, Allegheny Col, 52-56; from asst. prof. to PROF, CENTRAL MICHIGAN, 56- Sig.C, 42-46, Sgt. Sociol. Asn; Pop. Asn. History of American population growth; history and theory of social problems. Publ: Secret marriage, Marriage & Family Living; Demographic history of the West: Butte County, California, 1850, Papers Mich. Acad. Sci, Arts & Letters. Address: Dept. of Sociology, Central Michigan University, Mt. Pleasant, Mich. 48858.

RICCI, DR. EDMUND MICHAEL, b. Pittsburgh, Pa, Oct. 11, 34; m. 58; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A., Pittsburgh, 56, M.Litt, 58, Nat. Defense Ed. Act fel, 61-63, Ph.D.(sociol), 67. Supvr. student employ, PITTSBURGH, 60-61, res. asst. SOCIOL, admin. sci. center, 64, GRAD. SCH. PUB. HEALTH, 65, RES. ASSOC, 65-, ASST. ADJ. PROF, 67- U.S.A.F.R., 56-67, Capt. AAAS; Sociol. Asn. Sociology of health; complex organizations; sociology of professions; human growth and development. Address: 4819 Elmwood Dr, Pittsburgh, Pa. 15227.

RICCIARDELLI, DR. ALEX FRANK, b. Brooklyn, N.Y., Mar. 17, 26. ANTHROPOLOGY. B.A., Brooklyn Col, 50; M.A., Pennsylvania, 53, Ph.D., 61. Instr. ANTHROP, Conn. Col, 54-56; Middlebury Col, 57-62; vis. asst. prof, Brown, 62-63; ASSOC. PROF, OKLAHOMA, 63- U.S.N. 44-46. Anthropol. Asn. North American Indian ethnology; political organization; museology. Address: Dept. of Anthropology, University of Oklahoma, Norman, Okla. 73069.

RICCIARDI, FRANC M(ARIO), b. Montclair, N.J., Aug. 21, 23; m. 45; c. 3. ECONOMICS. A.B., Rutgers, 46, A.M., 47. Asst. prof. finance, Vermont, 47-51; asst. dir, N.Y. Stock Exchange Inst, 51-53; v.pres, Am. Mgt. Asn, N.Y., 53-58; dir. planning, Monroe Calculating Mach. Co. Div, Litton Indus, 58-60, v.pres, 60-61, pres, A. Kimball Co. Div, 61-64; exec. v.pres, WALTER KIDDE & CO, INC, 64-66, PRES, 66- Dir. Windsor Life Ins. Co, 64-; Walter Kidde & Co, Inc; Ragen Precision Indust, Inc, N.J. U.S.A., 42-44. Inst. Mgt; Econ. Asn; Financial Anal. Fedn. Management and computer simulation; industrial management. Publ: Business war games for executives: new concept in management training, Mgt. Rev. On the construction of a multi-state, multi-person business game, Opers. Res; contrib, My years with General Motors. Address: Walter Kidde & Co, Inc, 675 Main St, Belleville, N.J. 07109.

RICCIO, DR. DAVID COLDWELL, b. Manchester, N.H., July 16, 37; m. 68. PSYCHOLOGY. B.A., Middlebury Col, 59; Ph.D.(psychol), Princeton, 62. ASST. PROF. PSYCHOL, KENT STATE, 65- Nat. Insts. Health res. grant, 66-68. U.S.A., 62-63; U.S.N., 63-65, Lt. AAAS; Psychol. Asn. Animal learning; motivation. Publ: Adaptation and persistence of adaptation to a cold stressor in weanling and adult rats, 66 & Retrograde amnesia produced by hypothermia in rats, (in press), J. Comp. & Physiol. Psychol; Modification of vestibular sensitivity in the rat, Annals Otol, Rhinology & Laryngol, 67. Address: Dept. of Psychology, Kent State University, Kent, Ohio 44240.

RICCIUTI, DR. EDWARD A(LBERT), b. Waterbury, Conn, May 2, 11; m. 36; c. 2. PSYCHOLOGY. A.B., Fordham, 33, M.A., 40, Ph.D., 49; fel, Wesleyan, 43-44. Asst. psychol, Wesleyan, 43-44; DIR. SPEC. SERV. DEPT. ED. WATERBURY, CONN, 44- Lectr, exten, Connecticut, 42-49; grad. dept. ed, Fairfield, 51- Consult, City of Waterbury, 46- Psychol. Asn; Personnel & Guid. Asn; Nat. Ed. Asn. School psychology; personnel selection techniques. Publ: Children and radio, a study of listeners and non-listeners to various types of radio programs in terms of selected ability, attitude and behavior

- measures, *Genetic Psychol. Monogr.* Address: 18 Forest Ridge Rd, Waterbury, Conn. 06708.
- RICE, DR. CHARLES E, b. Omaha, Nebr., Feb. 25, 32; m. 56; c. 2. **PSYCHOLOGY**. B.S. Iowa State Col, 54; Ph.D. (psychol.), Western Reserve, 59. Trainee psychol., Vet. Admin, 55-59; res. psychologist, Med. Audit Study Psychiat. Hosp., 59-62, sr. scientist, spec. ops. res. off., American Univ, 62-63; asst. dir., biomet. lab., GEORGE WASHINGTON, 63-66, ASST. PROF. **PSYCHOLOGY**, 66- Psychol. Asn; Soc. Gen. Syst. Res. Mathematical models in psychology; typological analysis and other multivariate statistical methods; short-term memory. Publ: Measuring social restoration performance of public psychiatric hospitals, *Pub. Health Reports*; co-auth, Measuring psychiatric hospital staff opinions about patient care, *Arch. Gen. Psychiat.*, 66; & Types based on repeated measurement, In: *Explorations in typing psychotics*, Pergamon, 66. Address: Dept. of Psychology, George Washington University, Washington, D.C. 20006.
- RICE, DR. CHARLES E (D'GAR), b. Zanesville, Ohio, Nov. 22, 30; m. 52; c. 4. **PSYCHOLOGY**. B.A. Denison, 52; Ph.D. (psychol.), Fla. State, 62. RES. **PSYCHOLOGIST**, STANFORD RES. INST., 63- Psychonomic Soc. Auditory perception; animal behavior; marine mammals; developmental psychology. Publ: Co-auth, Behavior and physiology of pinneped, Appleton, (in press); auth, Echo-detection ability of the blind size and distance factors, *J. Exp. Psychol.*, 70: 246-251 & Human echo perception, *Science*, 55: 656-664. Address: Stanford Research Institute, Menlo Park, Stanford, Calif. 94025.
- RICE, DR. DAVID G (ORDON), b. Charleston, W. Va., Jan. 31, 38; m. 62; c. 1. **CLINICAL PSYCHOLOGY**. B.S. Col. William & Mary, 59; M.S. Wisconsin, 61, Ph.D. (clin. psychol.), 64. Instr. **PSYCHIAT. SCH. MED.**, WISCONSIN & WIS. **PSYCHIAT. INST.**, 64-65, ASST. PROF., 65- Co-investr., U.S. Pub. Health Serv. res. grant, 66- Psychol. Asn; Soc. Psychophysiol. Res. Personality correlates of psychophysiological responsivity; prediction of clinical behavior from psychological tests. Publ: Operant conditioning and associated electromyogram responses, *J. Exp. Psychol.*, 66: Rorschach responses and aggressive characteristics of MMPI F > .16 scorers, *J. Proj. Tech. & Personality Assessment*, 68; co-auth, Emotion, In: *Handbook of Psychophysiology*, Harper, (in press). Address: Dept. of Psychiatry, School of Medicine, University of Wisconsin, 1300 University Ave, Madison, Wis. 53706.
- RICE, PROF. DOROTHY A (LYNE), b. Oakland, Miss., Feb. 25, 09. **PSYCHOLOGY**. B.S.E. Delta State Col, 29; M.Ed. Missouri, 41; summer, Minnesota, 49-51; E.D. Mich. State, 58. Teacher, pub. schs, Miss., 29-42; Sunflower Jr. Col., 42-43, dean women, 44-49, dir. guid. & psychol., 49-57; asst. prof. ed. & psychol., Henderson State Teachers Col., 57-59, assoc. prof., 59-62, PROF., 62-65; ED, DELTA STATE COL., 65- Voc. consult., Bur. Hearings & Appeals, 63; psychol. exam, Miss. Voc. Rehab. Serv., 67. Summer consult., counseling & guid. inst., Mississippi, 60, Miss. Col., 61. Psychol. Asn. Counselor education; guidance services. Address: Dept. of Education, Delta State College, Cleveland, Miss. 38732.
- RICE, PROF. GEORGE ERNEST, JR., b. Pueblo, Colo., Feb. 11, 24; m. 50; c. 2. **PSYCHOLOGY**. A.B. Dartmouth Col, 47; M.S. Pa. State, 50, Ph.D. (exp. psychol.), 53. Instr. **PSYCHOLOGY**, Dartmouth Col, 47-48; asst. prof., Colo. Col., 51-52; Wichita, 53-57; PROF. & chmn. dept., Agnes Scott Col., 57-64; MONTANA STATE, 64- Nat. Inst. Ment. Health res. grants, 61-66. U.S.A. 43-46. Aiding behavior or altruism in animals; social behavior in man and animals; learning, especially modification of human behavior via reinforcement techniques, extra sensory perception variables and personality. Publ: Altruism in the albino rat, *J. Comp. & Physiol. Psychol.*, 52; co-auth, Effect of education on prejudice as revealed by a game situation, *Psychol. Record*, 64; auth, Emotional closeness, communication of affect and ESP, *J. Parapsychol.*, 66. Address: Dept. of Psychology, Montana State University, Bozeman, Mont. 59715.
- RICE, PROF. G (GEORGE) P (HILIP), JR., Eng. Hist. Pub. Address, Law, see 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- RICE, DR. JAMES PHILLIPS, b. Waynesburg, Pa., Apr. 2, 05; m. 23; c. 5. **ECONOMICS, FINANCE**. B.S. Pennsylvania, 28; M.Litt. Pittsburgh, 42, Ph.D. (econ.), 57. Auditor, WAYNESBURG COL., 42-47, PROF. **ECON. & BUS. ADMIN. & CHMN. DEPT.**, BUS. ADMIN., 42- Econ. Asn; Am. Acct. Asn; Acad. Polit. & Soc. Sci. Local banking and financial institutional history. Address: Dept. of Business Administration, Waynesburg College, Waynesburg, Pa. 15370.
- RICE, DR. JOSEPH P (ETER), b. Mt. Vernon, N.Y., Dec. 30, 30; m. 51; c. 3. **PSYCHOLOGY**. B.A. Am. Int. Col., 53; M.Ed. Springfield Col., 54; Ph.D. (guid), Connecticut, 59. Dir. guid., Mitchell Col., 54-56; instr. psychol., Fresno City Col., 56-58; instr. psychol. & biol. & psychomet. testing officer, Yuba Col., 58-60; psychologist & dir. pupil personnel serv., Lompoc Unified Sch. Dist., 60-62; consult., STATE DEPT. ED, CALIF., 62-67, CHIEF BUR. SPEC. ED., 68- Psychometrist, Bur. Voc. Rehab. Calif., 56-58; Nat. Sci. Found. res. grant biol., California, 59; instr., Allan Hancock Col., 60- Co-initiator & co-dir., Coop. Res. Contract, 63. Psychol. Asn; Coun. Except. Children. Exceptional children; counselor behavior following self-analysis and client feedback; clarification of psychological problems at various development levels; measurement and education of sub-cultural groups; self-appraisal by exceptional children. Publ: Education of sub-cultural groups, *Sch. & Soc.*, 11/64; Cooperative guidance and instructional programs for leadership preparation, *Personnel & Guid. J.*, 5/66; Opinions of gifted students regarding secondary school programs, *Except. Children*, 12/67. Address: 1331 Meredith Way, Carmichael, Calif. 95608.
- RICE, DR. LAURA N (ORTH), b. Springfield, Mass., Jan. 27, 20. **PSYCHOLOGY**. A.B. Bennington Col., 41; M.Ed. Springfield Col., 49; Ph.D. (psychol.), Chicago, 55. Instr. **PSYCHOLOGY**, Springfield Col., 48-51; asst. prof., Roosevelt, 55-56; res. assoc., CHICAGO, 56-61, ASST. PROF., 61- Psychol. Asn. Psychotherapy; personality theory; concept formation; perception. Publ: Co-auth, Quantitative naturalistic research, Prentice-Hall, 63; auth, Therapist's style of participation and case outcome, 65 & Client voice quality and expressive style as indexes of productive psychotherapy, 67, *J. Consult. Psychol.* Address: Dept. of Psychology, University of Chicago, 5846 University Ave, Chicago, Ill. 60637.
- RICE, DR. LESTER A, Ling, Econ, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- RICE, PROF. ROSS R (ICHARD), b. Iowa, Jan. 13, 22; m. 48; c. 4. **POLITICAL SCIENCE**. M.A., Chicago, 49, Ph.D., 56. Instr. **POLIT. SCI.**, ARIZONA STATE, 50-53, asst. prof., 53-57, assoc. prof., 57-60, PROF., 60-, chmn. dept., 59-62. Vis. prof., California, Santa Barbara, 62-63. U.S.A. 42-44; U.S.A.A.F., 44-45. Polit. Sci. Asn. American politics and government; political parties; pressure groups. Publ: Co-auth, Western politics, Univ. Utah, 61; Extremist politics, Eagleton Inst., McGraw, 64; ed, The 1964 elections in the west, *West. Polit. Quart.*, 6/65. Address: Dept. of Political Science, Arizona State University, Tempe, Ariz. 85281.
- RICE, DR. STUART A (RTHUR), b. Wadena, Minn., Nov. 21, 89; m. 34; c. 1. **STATISTICS**. A.B. Washington (Seattle), 12, A.M., 15; Ph.D. (sociol.), Columbia, 24. Supt. Munic. Lodging House, N.Y., 15-18; instr. & asst. prof. sociol., Dartmouth Col., 23-26; prof. sociol. & statist., Pennsylvania, 26-40; asst. dir. budget in charge statist. standards, Bur. Budget, Exec. Off. Pres., 40-55; pres, SURVS. & RES. CORP., 55-65, ADV. CONSULT., 65- Prof., Chicago, 32-33. Res. secy. soc. statist. Soc. Sci. Res. Coun. & investr., President's Res. Cmt., Soc. Trends, 31-32. V. chmn., U.S. Cent. Statist. Bd., 33-35, acting chmn., 36, chmn., 36-40; asst. dir. bur. census, U.S. Dept. Commerce, 33-36; mem. exec. cmt., Franklin D. Roosevelt Library, 38-39; chmn. statist. sect., Am. Sci. Cong., 40; v-pres, Inter-Am. Statist. Inst., 40-50; U.S. rep., UN Statist. Cmn., 46-55, chmn. joint arrangement cmt., Int. Statist. Conf., 47, mem. contributions cmt., UN Gen. Assembly, 51-56; mem. Panel Soc. Indicators, 65-; adv. cmt. statist. policy, U.S. Bur. Budget, 66- AAAS; Sociol. Asn; fel. Statist. Asn. (pres, 33); Inst. Statist. Inst. (pres, 47-53, hon. pres, 53-); Pop. Asn. Am. Measurement of public opinion; methods in the social sciences; statistical coordination. Publ: Farmers & workers in American politics; Quantitative methods in politics; ed, Methods in social science. Address: 1870 Wyoming Ave, N.W., Washington, D.C. 20009.
- RICE, DR. TED, b. Watson, Ill., July 19, 21; m. 44; c. 4. **AGRICULTURAL ECONOMICS**. B.S. Illinois, 43, M.S., 48, Ph.D., 50. Asst. prof. AGR. ECON., Delaware, 49-50, assoc. prof., 50; dir. res., Longstreet-Abbott Co., 52-59; CONTINENTAL GRAIN CO., 59-65, ASST. V. PRES., 65- U.S.A., 43-46, 51-52, 1st Lt. Agr. Econ. Asn. Market analysis, especially use of future markets for hedging inventories. Address: Continental Grain Co., 2 Broadway, New York, N.Y. 10004.
- RICE, PROF. THELMA A (USTIN), Math, see 11th ed, Phys. & Biol. Vols.
- RICH, PRES. BENNETT M (ILTON), b. Rices Landing, Pa., June 8, 09; m. 48; c. 3. **POLITICAL SCIENCE**. A.B. Waynesburg Col., 30; A.M. Michigan, 32, Ph.D., 41. Instr. polit. sci., Pennsylvania, 41-42; asst. prof., Rutgers, 46-49, assoc. prof., 49-56, dir. bur. gov. res., 50-60, prof., 56-63; PRES., WAYNESBURG COL., 63- Mgt. analyst, Off. Alien Property Custodian, 46; acting dir. inst. pub. admin., Michigan, 53-54; trustee, Middle States Assn. Cols. & Secondary Schs., 67- U.S.A., 42-46, Lt. Col. Polit. Sci. Asn; Soc. Pub. Admin. State and local government. Publ: The Presidents and civil disorder; The government and administration of New Jersey. Address: 74 E. Wayne St., Waynesburg, Pa. 15370.
- RICH, PROF. CHESTER LACOUNT, b. Medford, Mass., Apr. 8, 92; m. 21; c. 2. **ECONOMICS**. A.B. Boston, 15, A.M., 16; Columbia, 17-19; Ph.D. Washington (Seattle), 21. Prof. econ. Col. Puget Sound, 19-20; Dakota Wesleyan, 21-32, dean lib. arts, 28-32; prof. ECON., CORNELL COL., 32-62, EMER. PROF., 62- Vis. lectr., Nebraska, 62-63. Econ. Asn. Address: Route 3, Box 747, Sequim, Wash. 98382.
- RICH, PROF. CLIFFORD A (RTHUR) L (EROY), b. Jamestown, N.Y., Aug. 26, 24; m. 50; c. 1. **POLITICAL SCIENCE**. B.F.S. Southern California, 45, M.A., 46; Rotary Found. fel. Italian Inst. Hist. Studies, 48-49; Ph.D. California, 50. Ford Found. fel. **POLIT. SCI.**, California, 51-52; instr. Southern California, 52-53; asst. prof., OKLA. STATE, 53-55, assoc. prof., 55-62, PROF. & HEAD DEPT., 62- Polit. Sci. Asn. Comparative political behavior and institutions. Publ: European politics and government; Politics & government of Italy; Politics and institutions of European union. Address: Dept. of Political Science, Oklahoma State University, Stillwater, Okla. 74075.
- RICH, DR. FRANCIS MARION, JR., b. San Antonio, Tex., July 4, 21; m. 44; c. 3. **POLITICAL SCIENCE**, LAW. A.B. Georgia, 49, LL.B., 52, Ph.D. (polit. sci.), 67. Attorney, 53-60; instr. polit. sci., Armstrong Col. (Ga.), 60-63; off-campus center, Hunter AFB, American Univ., 63-64; teaching asst. dept., Georgia, 64-66, instr. pub. law, inst. govt., 66-67; CHMN. DEPT. **POLIT. SCI.**, APPALACHIAN STATE, 67- U.S.A., 43-49, Capt. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Judicial behavior; local government; public administration. Publ: A study of the city government of Dawsonville, Georgia, Univ. Georgia, 66; Judicial review of administrative decisions, *Ga. Bar J.*, 13: 375; Jurisdictional conflict between different levels of government: the problem of federal enclaves, In: *Public administration; readings in institutions, processes and behavior*, Rand McNally, 66. Address: Appalachian State University, P.O. Box 1364, Boone, N.C. 28607.
- RICH, DR. GENE, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- RICH, DR. GILBERT J (OSEPH), Psychol, see 10th ed, Soc. & Behav. Vols.
- RICH, PROF. HERBERT, b. New York, Nov. 25, 15; m. 50. **STATISTICS**. B.A. Brooklyn Col., 38; M.A. Columbia, 56, M.S., 60. Sr. statistician, New York City Health Dept., 50-55, chief statist. div., 65-66; ASST. PROF. MED. RES., N.Y. MED. COL., 66-, assoc. pediat. & lectr. prev. med., 55-66. Lectr., Teachers Col., Columbia, 62- Asst. dir. spec. studies unit, Am. Heart Assn., 65- Consult, stroke study, Cornell, 60-; spec. study, children's bur., U.S. Dept. Health, Ed. & Welfare, 66- Sig. C. U.S.A., 42-43. AAAS; Statist. Asn; Pub. Health Asn; Soc. Epidemiol. Res; N.Y. Acad. Sci. Medical statistics;

- mathematics; economics. Publ: Co-auth, Obstetric factors in birth injuries, *Obstet. & Gynec. & Congenital heart disease in a medical rehabilitation program*, J. Pediatr; contrib, *Resuscitation of the newborn infant*. Address: 38 Park W, New Hyde Park, N.Y. 11040.
- RICH, PROF. S(AMUEL) GROVER, JR**, b. Burley, Idaho, Dec. 7, 18. **POLITICAL SCIENCE**. A.B. Utah, 39; A.M. Stanford, 42, Newell scholar, 42, 47, Ph.D., 49. V.Consul, U.S. Dept. State, 42-46; instr. INT. RELS, UTAH, 49-50, asst. prof., 50-53, assoc. prof., 53-59, PROF., 59-. DIR. INST. WORLD AFFAIRS, 56-. Prof, Nat. War Col., 61-62, Nice, 63 & Santander, 64. Mem. Coun. For. Rels-World Affairs Center. Polit. Sci. Assn. Comparative government and international relations. Address: 2641 St. Mary's Way, Salt Lake City, Utah 84108.
- RICH, PROF. THOMAS A(LLEN)**, b. Alabama City, Ala, Sept. 30, 28; m. 49; c. 3. **PSYCHOLOGY, SOCIOLOGY**. B.A. Florida, 52, M.A., 55, Ph.D.(psychol.), 57; M.S., Harvard, 60. Dir. div. ment. health, Alachua County Health Dept., Fla., 57-59, 60-61; U.S. Pub. Health Serv. trainee community ment. health, sch. pub. health, Harvard, 59-60; asst. prof. & clin. counser, SOUTH FLORIDA, 61-63, dir. develop. center, 63-65, PROF. BEHAV. SCI. & CHMN. DEPT., 65-. DIR. INST. AGING, 67-. Res. consult, MacDonald Training Center, Fla., 61-; U.S. Agency Int. Develop., 65-67; Admin. on Aging, 67-. Med.C., U.S.A., 46-48; U.S.P.H.S.R., 60-, Sr. Asst. Scientist. Psychol. Assn. Clinical psychology, especially child and gerontological areas; public and community mental health; perception. Publ: Co-auth, *Mental retardation: a programmed manual for volunteer workers*, C.C. Thomas, 67, *Effects of alpha (2-piperidyl) benzhydryl hydrochloride (meratran) on psychomotor performance in a group of aged males*, J. Geront., & *Goodenough draw—a man test as a measure of intelligence in aged adults*, J. Consult. Psychol. Address: Dept. of Behavioral Sciences, University of South Florida, 4202 Fowler Ave, Tampa, Fla. 33620.
- RICHARD, PROF. H(ENRI)**, b. Quebec City, Que, Nov. 5, 20; m. 55; c. 2. **PSYCHOANALYSIS, CLINICAL PSYCHOLOGY**. M.A., Laval, 50; Columbia, 50-52; Ph.D.(psychol.), Paris, 59; cert. Inst. Psychoanal., 59. Prog. asst. PSYCHOL, UNESCO, Paris, 56-58; asst. prof., LAVAL, 60-62, dir. dept., 62-66, PROF., 66-. Psychoanalyst, 60-. Can. Psychoanal. Soc.; Can. Psychol. Assn. Psychoanalysis of adults; projective techniques with delinquents. Publ: *Personality test for children*, Centre Psychol. & Pedagogy, Montreal, 62. Address: 2017 rue Louis Jette, Quebec 10, Que, Can.
- RICHARD, DR. MICHEL PAUL**, b. Staten Island, N.Y., Sept. 30, 33; m. 58; c. 4. **SOCIOLOGY, ANTHROPOLOGY**. A.B. Chicago, 51, M.A., 55; Stockholm, Sweden, 53-54; U.S. Pub. Health Serv. fel, N.Y. Univ., 63-65, Ph.D.(sociol.), 67; grant, Columbia, 66. Analyst soc. sci., Nat. Inst. Health, 57-58; asst. Duke, 58-60; asst. prof. SOCIOL, Converse Col., 60-63; lectr., Brooklyn Col., 63-65; asst. prof., Dickinson Col., 65-68; ASSOC. PROF., STATE UNIV. N.Y. COL. GENESEO, 68-. Nat. Sci. Found. summer grant, Fairmont State Col., 62. U.S.A., 55-57, Res., 57-64, 1st Lt. Sociol. Assn. Technology and social change; race; stratification; population; medical sociology. Publ: *Implications of the space objective*, Soc. Sci., 1/64; *Space and public opinion*, Sociol. & Soc. Res., 7/65. Address: Dept. of Sociology, State University of New York College at Geneseo, Geneseo, N.Y. 14454.
- RICHARDS, PROF. ALLAN R(ENE)**, b. New Orleans, La, Jan. 2, 18; m. 52; c. 3. **POLITICAL SCIENCE**. B.A. Colorado, 39, M.A., 41; Ph.D.(polit. sci.), North Carolina, 49. Asst. prof. polit. sci., Western Reserve, 49-50; assoc. prof., Tennessee, 50-51; govt, New Mexico, 51-65; PROF. GOVT. & DIR. INST. PUB. ADMIN., LA. STATE, 65-. Consult, Nat. Sci. Found., 54; adv. Sch. Pub. Admin., Bolivia, 58-60; consult, U.S. Opers. Mission, Guatemala, 61; pub. admin. adv. Inst. Pub. Admin., 66-68. U.S.N.R., 43-53, Lt.(jg). Polit. Sci. Assn; Soc. Pub. Admin. Public administration. Publ: *War labor boards in the field*; *Administration: Bolivia and the United States*; *Higher education in Arizona, Colorado and New Mexico*. Address: Dept. of Government, Louisiana State University, Baton Rouge, La. 70803.
- RICHARDS, DR. ALLEN B(AKER)**, b. Detroit, Mich, June 22, 27; m. 51; c. 2. **ECONOMICS, OPERATIONS ANALYSIS**. B.S. Northwestern, 51; M.S., Mont. State Col., 55; Ph.D.(agr. econ), Iowa State Col., 59. Trainee acct. Gen. Elec. Co., Mass., 51-53; asst. agr. econ, Mont. State Col., 53-54; Iowa State Col., 55-57, res. assoc., 57-58; asst. prof., California, 58-61; opers. res. analyst, GEN. MILLS, INC., 61-62, financial analyst, 62-64, budget mgr., chem. div., 64-65, controller, 65-68, ASST. TREAS., 68-. U.S.A., 45-47. Inst. Mgt. Sci; Nat. Assn. Acct; Agr. Econ. Assn; Am. Acct. Assn; Budget Execs. Inst. Publ: *Input-output accounting for business*, Acct. Rev.; *Some economic considerations of the multiple use of forest land*, Land Econ; *Cost accounting in economic research*, In: *Extension and research workshops on farmer cooperatives*, 1960. Address: General Mills, Inc., 9200 Wayzata Blvd, Minneapolis, Minn. 55426.
- RICHARDS, DR. CARA E(LIZABETH)**, b. Bayone, N.J., Jan. 13, 27; m. 58; c. 1. **ANTHROPOLOGY, SOCIOLOGY**. B.A., Queens Col.(N.Y.), 52; fel, Cornell, 55-56, Ph.D., 57. Asst. anthrop., Cornell, 53-55, curatorial asst. primitive art, 56-57; resident, Russell Sage Found., 58-59; field dir. sociol., Peru proj., Cornell, 60-64; asst. prof. SOCIOL, Ithaca Col., 64-66, ASSOC. PROF., 66-67; TRANSYLVANIA COL., 67-. Prof. anthrop., Escuela Servicio Social del Peru, 61; summer mus. expert, ethol., N.Y. State Mus. & Sci. Serv., 55-56; dir., Am. Anthropol. Assn. vis. lectr. prog., 63-; area studies coordinator, Peace Corps training prog., Washington (Seattle) & Springfield Col., 63, Cornell, summer, 64. Anthropol. Assn; Soc. Appl. Anthropol.; Ethnol. Soc.; Ethnohist. Soc. Medical anthropology, especially relation of culture to Medicine; American Indian ethnohistory; applied anthropology. Publ: Co-auth, *Topography and culture: case of the changing cage & auth*, City taverns, 64, *Human Orgn; Huron and Iroquois residence patterns*, In: *Iroquois culture, history and prehistory*, N.Y. State Mus. & Sci. Serv., 67. Address: Transylvania College, Lexington, Ky. 40508.
- RICHARDS, PROF. C(LAUD) H(ENRY), JR**, b. Ft. Worth, Tex, Jan. 7, 17. **POLITICAL SCIENCE**. A.B. Texas Christian, 38; A.M. Duke, 40, Ph.D., 45. Asst. prof. govt, Texas Christian, 44-46; polit. sci., Duke, 46-52; from assoc. prof. to PROF. SOC. SCI., WAKE FOREST, 52-. Polit. Sci. Assn.
- Jehovah's witnesses, a study in religious freedom. Address: Dept. of Social Sciences, Wake Forest University, Wake Forest, N.C., 27101.
- RICHARDS, PROF. DALE O(WEN)**, Statist. Indust. Eng., see Suppl. V to 11th ed, Phys. & Biol. Vols.
- RICHARDS, DR. EDWARD B(RANSON)**, b. Ft. Madison, Iowa, Sept. 9, 24; m. 49; c. 1. **POLITICAL SCIENCE**. B.A., Northern Iowa, 48; M.A., Iowa, 53, fel., 53-54, Ph.D.(polit. sci.), 57. Teacher, pub. schs., Iowa, 48-51; asst. prof. hist. & polit. sci., Evansville, 54-57; govt, South Dakota, 57-58; hist. & polit. sci., Wis. State Col. La Crosse, 58-59; POLIT. SCI., Southwestern Louisiana, 59-63; ASSOC. PROF., TEX. WESLEYAN COL., 63-. Summer res. fcls, Col. Bus. Exchange Prog., 57 & Ford Found., 65. U.S.A., 43-45. Polit. Sci. Assn. Slavic studies; Soviet and Russian history and politics, especially the Far East in relation to Russian and Soviet influence. Publ: *The shaping of the comintern*, Slavic Rev., 6/59; *Nicholas Berdyayev: Christianity and history*, J. Bible & Relig., 10/60; *Marxism and Marxist movements in Latin America in recent Soviet historical writing*, Hispanic Am. Hist. Rev., 11/65. Address: Dept. of Political Science, Texas Wesleyan College, Ft. Worth, Tex. 76105.
- RICHARDS, PROF. E(UGENE) S(COTT)**, Sociol., see 10th ed, Soc. & Behav. Vols., deceased 65.
- RICHARDS, DR. GROVER C(HESTER)**, b. North Little Rock, Ark, Dec. 1, 14; m. 46; c. 2. **PSYCHOLOGY**. B.S.Ed., Ark. State Teachers Col., 38; M.A., Mississippi, 63, Ph.D.(psychol.), 64. Asst. prof. PSYCHOL. & chmn. dept., Midwestern, 64-67; ASSOC. PROF. & CHMN. DEPT., GA. SOUTH. COL., 67-U.S.A., 39-61, Lt. Col. Psychol. Assn. Child development; learning and development, especially reinforcement and secondary reinforcement. Address: Dept. of Psychology, Georgia Southern College, Statesboro, Ga. 30458.
- RICHARDS, PROF. HENRY M(ELCHIOR) M(UHLENBERG)**, b. Reading, Pa, Aug. 20, 09; m. 39; c. 2. **ECONOMICS**. A.B., Muhlenberg Col., 32; M.B.A., N.Y. Univ., 47, Ph.D.(econ), 51. Credit analyst, Dun & Bradstreet, Inc., 34-41; sr. investr. for. funds control, U.S. Treas. Dept., 41-42; assoc. economist, Chase Nat. Bank, 45-49; asst. prof. finance, Temple, 49-54; PROF. ECON, MUHLENBERG COL., 54-, dean faculty, 54-62. Assoc. economist, Fed. Reserve Bank of Phila., 50-51. U.S.N.R., 42-45, Lt. Comdr. Econ. Assn; Econ. Hist. Assn; Finance Assn; Economist, Soc. Royal Econ. Soc. Monetary and fiscal policy; financial institutions; comparative systems; development of economic thought; government and business. Address: 2950 Gordon St, Allentown, Pa. 18104.
- RICHARDS, DR. JAMES M(cDOWELL)**, b. Atlanta, Ga, July 26, 31; m. 59; c. 2. **PSYCHOLOGY**. A.B., Davidson Col., 53; M.A., Emory, 55; Ph.D., Utah, 60. Asst. psychol., Utah, 57-60, res. assoc., 60-62, asst. res. prof., 62-63; assoc. res. psychologist, Ed. Testing Serv., 63-64; prog. dir. psychol., Am. Col. Testing Prog., 64-66, coordinator of develop. res., 66-67; assoc. res. educationist, California, Los Angeles, 67-68; COORDINATOR DEVELOP. RES, AM. COL. TESTING PROG., 68-. U.S.A., 55-57. AAAS; Nat. Coun. Measurement in Ed; Psychol. Assn. Development of criteria of high level performance; creativity and productivity of scientists; utilization of high level talent. Publ: *Cue additivity principle in a restricted social interaction*, J. Exp. Psychol; *Prediction of medical intern performance*, J. Appl. Psychol; co-auth, *Prediction of student accomplishment in college*, J. Ed. Psychol. Address: American College Testing Program, Box 168, Iowa City, Iowa 52240.
- RICHARDS, PROF. J(JOHN) HOWARD**, b. Caerphilly, Wales, May 21, 16; nat. Can; m. 46; c. 7. **GEOGRAPHY**. B.Sc., Wales, 37 & 38; fel., Toronto, 46-48, M.A., 47, Ph.D., 54. Instr. GEOG, Utica Col., 48-51; asst. prof., Manitoba, 51-53; lectr., Toronto, 53-56; assoc. prof., Royal Mil. Col., Ont., 56-60; PROF. & HEAD DEPT., SASKATCHEWAN, 60-, mem. inst. north. studies. Geog. consult, Can. Land Inventory Prog., Sask., 63-. Dir. & ed, Atlas of Sask., 69-Mem. Can. cmt. Int. Geog. Union, 61-62. Can. Army, 42-46. Assn. Am. Geog. Soc.; Am. Geog. Soc.; Can. Assn. Geog.; Can. Meteorol. Soc. Settlement and land use, particularly the Pre-Cambrian shield section of Southern Ontario and the forest fringe of Saskatchewan; historical, political, and economic geography of Canada. Publ: Co-auth, Chap., *Prairie region*, In: *Canada, a geographical interpretation*, Methuen, 68; auth., *Provincialism, regionalism and federalism as seen in joint resource development programmes*, Can. Geog. Vol. 9, No. 4; *Perspective on regional planning*, Community Planning Rev., Vol. 17, No. 1. Address: Dept. of Geography, University of Saskatchewan, Saskatoon, Sask., Can.
- RICHARDS, PROF. JOHN M(ARVIN)**, b. Dodge City, Kans, Aug. 19, 29; m. 55. **ECONOMICS, ECONOMIC GEOGRAPHY**. B.A., Kansas, 55; M.S., Kans. State Teachers Col., 56; Earhart fel., La. State, 60, Ph.D., 61. Instr. geog., Kans. State Teachers Col., 56-57; asst. prof. econ, McNeese State Col., 61-62; assoc. prof., TEXAS, EL PASO, 62-65, PROF. ECON, 65-, DEAN SCH. BUS. ADMIN., 67-, dir. bur. econ. res., 64-67, head dept. econ., 65-67. Consult, La. Dept. Employ. Security, 61; Off. Aerospace Res., U.S. Air Force, 63; Joint Mex-U.S. Cmn. on Border Develop., 67. Ed, El Paso Econ. Rev., 64-Mem. cmt. urban human resources, Resources for Future, 62. U.S.N., 48-52. Econ. Assn; Regional Sci. Assn. Local and regional business conditions and forecasting; regional science; economics of U.S.-Mexican border region. Publ: *Economic growth in El Paso*, Texas, Univ. Texas, 64; co-auth, *We the people*, Benefic, 65. Address: School of Business Administration, University of Texas at El Paso, El Paso, Tex. 79999.
- RICHARDS, DR. JOHN R**, Econ., see 10th ed, Soc. & Behav. Vols., deceased.
- RICHARDS, PROF. MAX D(eVOE)**, b. Nova, Ohio, May 23, 23; m. 50; c. 2. **ECONOMICS**. M.B.A., Harvard, 47; Ph.D., Illinois, 55. Instr. MGT, Illinois, 49-54; prof. & head dept, Wichita, 54-56; assoc. prof., PA. STATE, 56-65, PROF., 65-, ASST. DEAN GRAD. BUS. PROGS., 67-, head dept. mgt., 56-67. Summer fel., Michigan, 62; Ford Found. faculty fel., 65-66. Consult, Boeing Airplane Co. U.S.N.R., 43-46. Inst. Mgt. Sci; Acad. Mgt.(secy-treas, 63-65, v-pres, 66, pres, 67). Administration; management development; information systems for administration decision making; organizational and leader-

ship behavior; goal formation processes and strategy determination. Publ: Co-auth, Readings in management & Mathematics in collegiate business schools, 63, South-Western Pub. & Management decision making, Irwin, 66. Address: Dept. of Management, Pennsylvania State University, University Park, Pa. 16801.

RICHARDS, PROF. PHYLLIS L(UCI LE), b. Flint, Mich, Mar. 30, 20. CHILD DEVELOPMENT. B.A., Chicago, 42, M.A., 50; Ph.D.(child develop), Fla. State, 64. Play dir, children's hosp., Univ. Chicago, 42-43, head teacher, nursery sch, 43-48; instr. HOME ECON. & CHILD DEVELOP, TEXAS, AUSTIN, 48-53, asst. prof, 53-63, assoc. prof, 63-66, PROF, 66- Nat. ed. consult, Proj. Headstart & community action progs, Off. Econ. Opportunity, 65-; consult, Hogg Found. Ment. Health, 65-; Tex. Ed. Agency, 66-; res. projs, 66-67; Southwest Ed. Develop. Lab, 67- Nat. Coun. Family Rels; Soc. Res. Child Develop. Early childhood education; social and personality development in young children; cognitive development and learning processes; family interaction. Publ: Co-auth, Teaching in the nursery school, Harper, 59; auth, Affiliated groups: where is education for young children going, 65 & Affiliated groups: this is children's year, 65, Young Children. Address: Dept. of Home Economics, University of Texas, Austin, Tex. 78712.

RICHARDS, DR. ROGER E(MLYN), Psychol, see 10th ed, Soc. & Behav. Vols.

RICHARDS, DR. THOMAS WILLIAM, b. Hempstead, N.Y., Oct. 17, 07; m. 33; c. 3. PSYCHOLOGY. A.B., Lafayette Col, 29; M.S., Pennsylvania, 31, Ph.D. (psychol), 33. Asst. psychol, Pennsylvania, 29-30, psychol. clin, 30-32; Gen. Ed. Bd. fel, child welfare res. sta, Iowa, 34-35; assoc. Antioch Col, 35-36, asst. prof. psychol, 36-37, assoc. prof, 37-46, prof, 46-47, res. assoc, Fels Res. Inst, 35-40, asst. to dir, 40-47, dir. psychol. clin, 41-47; prof. psychol, Northwestern, 47-52; La. State, 52-61; CHIEF PSYCHOL. & RES, KENNEDY CHILD STUDY CENTER, 61- U.S.N., 42-46. AAAS; fel. Psychol. Asn; fel. Soc. Res. Child Develop; Orthopsychiat. Asn. Developmental psychology; psychodynamics; clinical research in personality development. Address: 1339 20th St, Santa Monica, Calif. 90404.

RICHARDS, PROF. WALTER J(AMES), b. Waggoner, Okla, Nov. 4, 18; m. 42; c. 2. PSYCHOLOGY. A.B., Arkansas, 46, M.A., 47; Ph.D.(psychol), Brown, 50. Asst. prof. PSYCHOL, Tex. Tech. Col, 50-51; ARKANSAS, 51-55, assoc. prof, 55-61, PROF, 61- U.S.A., 40-46, Maj. Psychol. Asn. Perception; psychophysics; learning. Publ: Effect of alternating views of the test object on vernier and stereoscopic acuities, J. Exp. Psychol; Food and water deprivation as influences on exploration & Thyroid hormone and conditioning, J. Comp. & Physiol. Psychol. Address: 1652 Markham Rd, Fayetteville, Ark. 72701.

RICHARDS, PROF. WILFRID G(LADSTONE), b. Duneden, N.Z., July 23, 98; nat; m. 24; c. 2. GEOGRAPHY. B.S., Linfield Col, 21; M.S., Chicago, 28, Ph.D.(geog), 28. Asst. prof. geog, Miami (Ohio), 28-42, assoc. prof, 42-48; PROF. ECON. GEOG, DRAKE, 48. Am. Asn. Geog; Nat. Coun. Geog. Ed. Economic and settlement geography. Address: Dept. of Economic Geography, Drake University, Des Moines, Iowa 50311.

RICHARDSON, DR. ANN M(EREDITH), Exp. Psychol, see 11th ed, Phys. & Biol. Vols.

RICHARDSON, PROF. CHANNING B, b. Cambridge, Mass, Oct. 13, 17; m. 48; c. 4. POLITICAL SCIENCE. A.B., Amherst Col, 39; Harvard, 39-41; Cutting fel. & Ph.D.(polit. sci), Columbia, 50. Instr. polit. sci, Columbia, 50-52; asst. prof, HAMILTON COL, 52-56, assoc. prof, 56-62, BRISTOL PROF. INT. AFFAIRS, 62- Ford Found. fel, Africa, 57-58; lectr, Salzburg Seminar Am. Studies, Austria, 63; participant, Kenya Inst. Admin, Nairobi, 63-64. Polit. Sci. Asn; African Studies Asn; Int. Studies Asn. American foreign policy; Africa; international relations; the Middle East. Address: Dept. of Government, Hamilton College, Clinton, N.Y. 13323.

RICHARDSON, DR. DAVID HERZIG, b. Carthage, N.Y., July 3, 41; m. 64; c. 1. ECONOMICS. B.A., Colgate, 63; M.S., Purdue, 65, Ph.D.(econ), 66. ASST. PROF. ECON, KANSAS, 66- Economet. Soc. Econometrics; mathematical economics. Address: Dept. of Economics, University of Kansas, Lawrence, Kans. 66045.

RICHARDSON, PROF. F(REDERICK) L(EOPOLD) W, b. Brookline, Mass, Mar. 23, 09; m. 34; c. 3. ANTHROPOLOGY, HUMAN RELATIONS. B.S., Harvard, 31, Ph.D.(anthrop), 41. Field asst. from Pennsylvania, Brit. Mus, Iraq, 31-32; from Chicago, Oriental Inst, Iraq, 32-33; from Harvard, Ireland, 34; asst. bus. sch, Harvard, 37-39, res. assoc, 40-42; labor & mgt. center, Yale, 46-49; lectr, sch. pub. health, Harvard, 49-55; change agent, Raytheon Co, 56-62; PROF. BUS. ADMIN, grad. sch. bus, Pittsburgh, 62-65; GRAD. SCH. BUS. ADMIN, VIRGINIA, 66- Change agent, Mass. Gen. Hosp, 58-62. Consult, U.S. Dept. Agr, 46 & 47. Anthropol. Asn; Soc. Appl. Anthropol. (treas, 41-46, secy, 47-51, pres, 52). Accelerating organizational improvement; human problems in organizations; methods of science and common sense. Publ: Talk, work, and action, Soc. Appl. Anthropol. Monogr; co-auth, Comprehending the process of organizational improvement, Mgt. Personnel Quart, Vol. 4, 1, 65; auth, Recollecting and recording opinions and interactions, Soc. Appl. Anthropol, Vol. 25, 2, 66. Address: Graduate School of Business Administration, University of Virginia, P.O. Box 3607, Charlottesville, Va. 22903.

RICHARDSON, PROF. HAROLD, b. Forest City, Iowa, Apr. 7, 16; m. 51; c. 4. PSYCHOLOGY. B.A., Minnesota, 46, M.A., 48, Ph.D.(psychol), 50. Asst. prof. PSYCHOL, Nevada, 50-55; assoc. prof, SAN JOSE STATE COL, 55-63, PROF, 63- Psychol. Asn. Counseling; psychological testing; individual differences. Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 95114.

RICHARDSON, PROF. HAYES A, b. Toano, Va, July 17, 01; m. 26; c. 1. ECONOMICS, BUSINESS ADMINISTRATION. A.B., Randolph Macon Col, 22; M.A., Kansas, 29; Ph.D.(polit. econ), Hopkins, 38. Instr., Randolph Macon Acad, 22-25; econ, Kansas, 26-29; assoc. prof. mkt. N.C. State Col, 29-32; economist, U.S. Dept. Agr. & Works Progress Admin, 34-36; asst. prof. econ. &

dir. eve. col, Univ. Kansas City, 36-40; dir. welfare, City of Kansas City, Mo, 40-59; dir. activities, Int. Order of DeMolay, 59-60; prof. econ. & chmn. soc. sci. div, Nat. Col, 60-64; PROF. ECON. & BUS. & HEAD DEPT, CENT. METHODIST COL, 64- Prof. lectr, Univ. Kansas City & lectr, Am. Inst. Banking Bldg. & Loan Inst, 40-61. V-pres, Gilman Granite Co, 55-59; consult, Blue Cross & Blue Shield, 62-63. Mem, City Planning Cmn, 40-59. Econ. Asn. Controversial economic problems; taxation; marketing; municipal government. Publ: License taxation in the Maryland revenue system taxes, Tax Mag, 4-5/39; License taxation, Univ. Kans. Law Rev, 4/39; Municipal relations with the community, Am. City, 2-3/53. Address: 707 N. Church St, Fayette, Mo. 65248.

RICHARDSON, PROF. IVAN L(EROY), b. Donovan, Ill, Dec. 14, 20; m. 45; c. 3. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A., Illinois, 43; M.A., Iowa, 48, Ph.D.(polit. sci), 50. From asst. prof. to prof. polit. sci, Ft. Hays Kans. State Col, 50-59; assoc. prof. pub. admin, Southern California, 59-64; PROF. POLIT. SCI. & CHMN. DEPT, CALIF. STATE COL. FULLERTON, 64- Pub. admin. consult, Univ. Southern California Contract, Brazil, 59-64; Interam. Sch. Pub. Admin, Rio de Janeiro, 66. Mem, Coun. Grad. Ed. Pub. Admin, 66- U.S.A., 43-46, 1st Lt. Soc. Pub. Admin; Polit. Sci. Asn; Latin Am. Studies Asn. Development administration; institution building; local government and administration. Publ: Bibliografia Brasileira de Administracao Publica, Getulio Vargas Found, 64; ed, Perspectives of Brazilian state and local government, Univ. Southern California, 65; auth, Institution building in Brazil, Brazilian Inst. Munic. Admin, 67. Address: Dept. of Political Science, California State College at Fullerton, 800 N. State College Blvd, Fullerton, Calif. 92631.

RICHARDSON, PROF. JACK, b. Francis, Ky, Sept. 11, 19. PSYCHOLOGY. Ph.D.(psychol), Northwestern, 55. From asst. prof. to PROF. PSYCHOL, STATE UNIV. N.Y. BINGHAMTON, 55- U.S.A.A.F., 43-45. Psychol. Asn. Learning and retention of verbal material. Address: 200 Rano Blvd, Vestal, N.Y. 13850.

RICHARDSON, PROF. J(AMES) T(ULL), b. Rosebud, Tex, Nov. 8, 00; m. 31. SOCIOLOGY. A.B., Texas, 28, A.M., 33; Ph.D., Missouri, 43. PROF. SOCIOLOGY & CHMN. DEPT, Stephen F. Austin Col, 35-46; Centre Col, 46-49; MARSHALL, 49- Carnegie fel, Centre Col, 50. Del. White House Conf. Children, 50; White House Conf, Aging, 61. Fel. Sociol. Asn. Socio-economic aspects of medical care; gerontology and the sociology of medical care and medicine. Publ: The role of industry in modern society; The origin and development of group hospitalization in the United States, 1890-1940, Univ. Mo. Studies. Address: Dept. of Sociology, Marshall University, Huntington, W.Va. 25701.

RICHARDSON, DR. JEAN, b. Electra, Tex, Sept. 21, 25; m. 47; c. 1. ECONOMICS. B.S. & M.S., N. Texas State Col, 47; fel, Texas, 51-52, Ph.D. (econ), 52. Instr., DEL MAR COL, 47-50, dir. div. bus. & econ, 52-61, dean, 61-65, PRES, 65- Instr., Corpus Christi, 54-55; economist, Technicians, Inc, 55. U.S.A.A.F., 43-45, 2nd Lt. Agricultural economic history; regional economic development. Publ: Inter-relations between libraries and government, Tex. Library J. Address: Del Mar College, Corpus Christi, Tex. 78404.

RICHARDSON, DR. JESSE M, b. Guin, Ala, Dec. 5, 04; m. ECONOMIC GEOGRAPHY & HISTORY. B.S., Alabama, 28, M.A., 33; fel, Peabody Col, 41-42, Ph.D., 48. Instr. high schs, Ala, 28-40; instr. geog, Alabama, 43; asst. prof. ECON. & BUS. ADMIN, AUBURN, 43-48, assoc. prof, 49-57, PROF, 57- Asn. Am. Geog. Coun. Geog. Ed; Econ. Hist. Asn. Economic, social and business development, especially of Alabama. Publ: Ed, Alabama almanac and book of facts; Alabama encyclopedia, vol. I, Am. Pub. Co, 65; co-auth, Alabama, In: World Book Encyclop, 66. Address: School of Business, Auburn University, Auburn, Ala. 36830.

RICHARDSON, DR. JOE M, Negro Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

RICHARDSON, DR. J(OHN) C(LIFFORD), Neurol, see 11th ed, Phys. & Biol. Vols.

RICHARDSON, PROF. JOHN S(ANFORD), b. Darke Co, Ohio, Dec. 14, 08; m. 37; c. 3. SCIENCE EDUCATION. B.S., Miami (Ohio), 33, M.A., 36; Ph.D. (sci. ed), Ohio State, 42. Teacher, pub. schs, Ohio, 28-30, 33-36; instr. SCI. ED, Miami (Ohio), 36-39, asst. prof, 39-42, assoc. prof, 42-47; OHIO STATE, 48-53, PROF, 53-, DIR. ACAD. YEAR INST, 57-, dir. ed. resources info. center info. anal. center sci. ed, 66-70. Summers, mem. staff, Northwestern, 53; Rutgers, 54, 55; Ore. State Col, 56. Dir. Res. Study Sch. Facilities Sci. Inst, 51-54; mem, State Cmt. Cert. Sci. Teachers, 54; pres, Cmt. Scientists & Engrs, 56-58; U.S. Nat. Cmn. UNESCO, 64-70. AAAS; Sci. Teachers Asn.(treas, 53-55; pres, 56-57). Science education; science curriculum in schools; curricula for preparation of science teachers. Publ: Science teaching in secondary schools; co-auth, Chemistry; a first course in modern chemistry, Ginn, 66; auth, The education of science teachers, Merrill, 68. Address: 4079 Overlook Dr. E, Columbus, Ohio 43214.

RICHARDSON, DR. LAVANGE H(UNT), b. Mo, May 8, 03; m. 28. PSYCHOLOGY. B.A., San Diego State, 26; M.A., Southern California, 34, Ph.D.(speech, psychol), 43. Instr. speech, CITY COL. NEW YORK, 44, vet. voc. adv, 44-46, COUNSELING PSYCHOLOGIST, 46- Prof, Baruch Col. Psychol. Asn; Group Psychother. Asn. Counseling of college students; the commuter college student; characteristics of accounting seniors; grade patterns of counseled college students. Address: Baruch College, 17 Lexington Ave, New York, N.Y. 10010.

RICHARDSON, DR. LEE, b. Washington, D.C., July 8, 40; m. 60; c. 2. MARKETING. B.S.B.A., Richmond, 62; M.B.A., Emory, 63; D.B.A.(mkt), Colorado, 66. Teaching assoc. mkt. finance, Colorado, 64-66; ASST. PROF. MKT, LA. STATE, 66- Mkt. Asn; Econ. Asn. Quantitative and behavioral research in consumer behavior, marketing communications and marketing decision-making. Publ: Co-auth, Readings in finance, 66 & Readings in marketing, 67, Appleton. Address: College of Business, Louisiana State University, Baton Rouge, La. 70803.

RICHARDSON, DR. MILES E(DWARD), b. Palestine, Tex, Jan. 22, 32; m. 59; c. 2. **ANTHROPOLOGY**. B.S. Stephen F. Austin State Col, 57; La. State, 57-58; Ph.D.(anthrop), Tulane, 65. Asst. prof. **ANTHROP**, Ind. State Col, 63-64, assoc. prof, 64-65; **ASST. PROF. LA. STATE**, 65- U.S.A.F. 50-54, S/Sgt. Fel. Anthropol. Asn; Ethnol. Soc. Community and culture in contemporary Latin America, particularly Colombia and Costa Rica. Publ: San Pedro, Colombia: the ethnology of a small town in a developing society, Univ. Microfilms, 65; The pollibility of an anthropology-management symbiosis, S.East. Latin Americanist, 66; The significance of the Hole community in anthropological studies, Am. Anthropologist, 67. Address: Dept. of Geography & Anthropology, Louisiana State University, Baton Rouge, La. 70803.

RICHARDSON, PROF. PAUL DAVID, b. Scarbro, W.Va, Apr. 12, 11; m. 34; c. 3. **SOCIOLOGY**. B.A. Transylvania Col, 45; B.D. Col. of the Bible, 48; M.A. Kentucky, 53, Ph.D. 56. Asst. rural social, Kentucky, 52-56; assoc. prof. **SOCIOL**, LYNCHBURG COL, 57-63, **PROF**, 63-, **CHMN. DEPT**, 65-. Dir. home missions, Mt. Beulah Christian Center, Edwards, Miss, 55-56; participant, Ford Found. Asian Studies Faculty Seminar, 61-62; Fulbright exchange scholar, to Thailand, 63-64 & Ford Found. follow-up study grant, summer 65; Ford Found. spec. study relationship between relig. & culture in India, Univ. California, Berkeley. Sociol. Asn. Family; population; sociology of religion. Publ: Co-auth, Participation in organized activities in a Kentucky rural community, Ky. Agr. Exp. Sta, 53. Address: Dept. of Sociology, Lynchburg College, Lynchburg, Va. 24504.

RICHARDSON, PROF. REED C(OTT), b. Salt Lake City, Utah, Dec. 3, 17; m. 41; c. 4. **ECONOMICS**. B.S. Utah State Agr. Col, 45; M.A. California, 47; Ph.D.(indust. & labor rel), Cornell, 55. Instr. econ, UTAH, 47-51, asst. prof, 52-55, assoc. prof, 56-67, **PROF. ECON. & MGT**, 67-, **CO-DIR. INST. INDUSTR. REL**, 57-, dir. bur. econ. & bus. res, 65-68. Asst. Cornell, 53-55. Arbitrator, Fed. Mediation Serv. U.S.A., 41-45. Econ. Asn; Indust. Rel. Res. Asn. Labor union history and administration; economic history; labor economics. Publ: The locomotive engineer 1863-1963, Univ. Michigan, 63; American labor unions, Bull. Sch. Indust. Rel. Cornell; Labor leader, 1860's, Bull. N.Y. Sch. Indust. & Labor Rel. Address: Bureau of Economics & Business Research, 401 College of Business Bldg, University of Utah, Salt Lake City, Utah 84112.

RICHARDSON, DR. RICHARD JUDSON, b. Poplar Bluff, Mo, Feb. 16, 35; m. 61; c. 3. **POLITICAL SCIENCE**. B.S. Harding Col, 57, Rotary Int. Found. fel, Dublin, 57-58; M.A. Tulane, 61, Ph.D.(polit. Sci), 67. Instr. **POLIT. SCI**, Tulane, 62-64; asst. prof, **WESTERN MICHIGAN**, 65-67, **ASSOC. PROF**, 67- Vis. asst. prof, Hawaii, 67-68. Consult, Bur. Govt. Res, La, 61-62; Kalamazoo County Citizens Study Cmt. Community Serv, 66-67; Legis. Reference Bur, Hawaii State Constitutional Convention, 67-68. Polit. Sci. Asn. (Edward S. Corwin award, 67); Soc. Pub. Admin. Intra-system behavior of American judiciary and conflict resolution; a secondary interest in comparative state and local politics. Publ: Orleans parish offices: city-county consolidation, Bur. Govt. Res, 61; co-auth, Review, dissent and the appellate process, J. Polit, 67; auth, The politics of lower federal court development, Mich. Acad. Sci, Arts & Letters, 68. Address: Dept. of Political Science, Western Michigan University, Kalamazoo, Michigan 49001.

RICHARDSON, DR. RICHARD W, b. Brooklyn, N.Y., Apr. 9, 28; m. 52; c. 2. **ECONOMICS**. A.B. Cornell, 48; N.Y. Univ, 50-52; Earhart Found. fel, Hopkins, 53-54, univ. fel. & Ph.D, 57. Instr. econ, Amherst Col, 55-56; Hamilton Col, 56-57; asst. prof, Princeton, 57-60; sr. economist, Int. Monetary Fund, 60-63; dep. dir. int. div. U.S. Bur. Budget, 63-67; **ASSOC. U.S. COORDINATOR, ALLIANCE FOR PROGRESS, U.S. DEPT. STATE**, 67- Exec. adv, Nat. Monetary Stabilization Coun, Bolivia, 61. Mem, President's Task Force on For. Econ. Policy, summer, 64. Econ. Asn. Monetary theory and policy; international trade; economic development. Publ: Co-auth, Studies in economic development; Income inequality and population migration, Econ. Develop. & Cultural Change. Address: 5012 Rodman Rd, Washington, D.C. 20016.

RICHARDSON, PROF. ROBERT W(ILLIAM), b. Oakland, Calif, Dec. 16, 06; m. 30; c. 2. **GEOGRAPHY**. A.B. California, 30, Ph.D.(geog), 43. Asst. geog, California, 34-37; acting assoc. prof. geog, Chico State Col, 38-39; asst. prof, San Diego State Col, 39-42; chief soc. sci. analyst, Off. Coordinator Inter-Am. Affairs, 42-45; chief geog. sect, Latin Am. div. Off. Strategic Serv, 45-46; geog. consult. to Ecuador, U.S. Bur. Census, 46-47; **PROF. GEOG, SAN DIEGO STATE COL**, 48-, **chmn. soc. sci. div**, 48-56. Lectr, George Washington, 46. Asn. Am. Geog; Latin Am. Studies. Asn. Physical and cultural geography of Middle America, Canada and Alaska. Address: Dept. of Geography, San Diego State College, San Diego, Calif. 92115.

RICHARDSON, DR. STEPHEN A(LEXANDER), b. Eng, June 24, 20; m. 45; c. 4. **SOCIOLOGY**. B.S. Harvard, 49; M.S. Cornell, 51, Ph.D.(human rels), 54. Res. assoc. & study dir. sociol. & anthrop, Cornell, 51-56; asst. dir, **ASN. AID CRIPPLED CHILDREN**, 56-64, **DIRECTOR**, 64- Fel. Cent. Adv. Study Behav. Sci, 54-55; vis. prof, Albert Einstein Col. Med, Yeshiva. Consult, Nat. Inst. Child Health & Develop, 67- Mem, perinatal res. cmt, Nat. Inst. Neurol. Diseases & Blindness, 59-64; adv. cmt, Quaker UN Prog, 63-67; res. adv. cmt, Am. Found. for Blind, 63-; res. adv. cmt, Planned Parenthood, 63- Brit. Merchant Marine, 37-46. Sociol. Asn; Soc. Appl. Anthrop; Psychol. Asn; Soc. Res. Child Develop; Acad. Cerebral Palsy. Methodology; social pediatrics; social psychology. Publ: Co-auth, Interviewing, its forms and functions, Basic Books, 65; ed, Childbearing, its social and psychological aspects, 67 & co-auth, Mental subnormality—a community study of children, (in press), Williams & Wilkins. Address: Association for the Aid of Crippled Children, 345 E. 46th St, New York, N.Y. 10017.

RICHARDSON, DR. STEWART LEE, (JR), b. Washington, D.C, July 8, 40; m. 60; c. 2. **MARKETING**. B.S.B.A. Richmond, 62; M.B.A. Emory, 63; D.B.A. (mkt), Colorado, 66. Teaching assoc. finance mkt, Colorado, 64-66; **ASST. PROF. MKT, LA. STATE**, 66- Mkt. Asn. Marketing communication and consumer behavior, especially applications from quantitative methods and behavioral science. Publ: Co-auth, Readings in finance, 66 & Readings in marketing: the qualitative and quantitative areas, 67 & auth, Communication

in marketing: advertising, selling, and promotion, 68, Appleton. Address: Dept. of Marketing, College of Business Administration, Louisiana State University, Baton Rouge, La. 70803.

RICHARDSON, DR. T(HOMAS) F(ELDER), Psychol, see 10th ed, Soc. & Behav. Vols. Latest known address: 2120 Ave. Q, Huntsville, Tex. 77340.

RICHARDSON, DR. WYMAN, b. Boston, Mass, Feb. 27, 24; m. 53; c. 4. **STATISTICS**. S.B. Harvard, 48; Ph.D. North Carolina, 60. Res. assoc. opera. res, **INST. SCI. & TECH. MICHIGAN**, 59-62, **ASSOC. RES. MATHEMATICIAN**, 62- Inst. Math. Statist; Statist. Asn. Approximations to statistical distributions. Address: Institute of Science & Technology, University of Michigan, Ann Arbor, Mich. 48104.

RICHE, DR. CHARLES V(AN), JR, b. Jeffersonville, Ind, June 21, 23; m. 49. **EXPERIMENTAL & ENGINEERING PSYCHOLOGY**. B.S. Louisville, 50, M.A. 51; Ph.D. Washington (Seattle), 56. MEM. STAFF res. div, Ed. Testing Serv, 56-58; Lincoln Labs, Mass. Inst. Tech, 58-59; **DISPLAYS & COMPUT. DEVELOP**, MITRE CORP, 59- U.S.A.A.F., 43-46, Sgt. Psychol. Asn; Psychomet. Soc; Statist. Asn. Human behavior and operation of computerized data processing systems. Address: Mitre Corp, Bedford, Mass. 01730.

RICHERT, DR. MARLYS R(UTH), b. Wilmot, S.Dak, Mar. 30, 13. **HOME ECONOMICS**. B.S. Stout State Col, 35; M.S. Wisconsin, 57, Kellogg Found. fel, 59-61, Ph.D. 61. Teacher, high sch, Wis, 35-37; county home agent, Green Co. WISCONSIN, 37-46, Waukesha Co, 47-53, exten. supvr. home econ, 53-59, **ASSOC. PROF. HOME ECON. ED, NAT. AGR. EXTEN. CENTER ADV. STUDY**, 61-, **DIRECTOR WOMEN'S ED. & HOME ECON, UNIV. EXTEN.**, 67-, state leader home econ. exten, 63-67. Distinguished serv. alumni award, Stout State, 67. Supervision in cooperative extension work; home economics programs. Publ: Co-auth, Extension home economics focus, Univ. Missouri, 66; auth, Factors in membership selection of county extension program planning committees; Factors influencing coordination of resident instruction, research and extension in home economics in land-grant institutions. Address: 501 University Extension Bldg, University of Wisconsin, 432 N. Lake St, Madison, Wis. 53706.

RICHEY, JAMES M(ILTON), b. U.S., Dec. 26, 04; m. 30; c. 2. **PSYCHOLOGY**. A.B. Millikin, 29; M.A. Illinois, 34. Prin. high sch, Ill, 30-35; dir. training, A.E. Staley Mfg. Co, 35-42; sect. chief, Vet. Admin, 45-48, div. chief voc. rehab. & ed, 48-66; **RETIRED**. Mem, Governor's Cmt. Employ. Phys. Handicapped, 54-58. Fed. Personnel Coun. award. U.S.N, 42-46, Lt. Comdr. Fel. Psychol. Asn. Employment and management psychology; employee motivation and evaluation. Address: 727 N. Catherine Ave, La Grange Park, Ill. 60525.

RICHMAN, DR. JOSEPH, b. Scranton, Pa, Nov. 3, 18; m. 37; c. 3. **PSYCHOLOGY**. B.S.S. City Col. New York, 47, fel. & M.S. 48; Stevens scholar, Columbia, 49-50, Hoadley scholar & President's scholar, 50-51, Ph.D.(psychol), 53. Clin. psychol. trainee, Vet. Admin, New York, N.Y, 48-51; psychologist, Kings County Hosp, 51-55; **SR. PSYCHOLOGIST, BRONX MUNIC. HOSP**, 55-; **ASST. PROF. PSYCHOL, ALBERT EINSTEIN COL. MED**, 59-, instr, 55-59. Psychol. Asn. Suicide prevention; crisis intervention; family therapy; supervision, teaching and training of internes and graduate students; diagnosis and personality assessment. Publ: Effect of the emotional tone of words upon the vocabulary responses of schizophrenics, J. Gen. Psychol; Psychologists participation in preclinical teaching of psychiatry to medical students, J. Nervous & Ment. Disease; Reporting diagnostic test results to patients and their families, J. Proj. Tech. & Personality Assessment, 67. Address: 2582 Steadman Place, Bronx, N.Y. 10469.

RICHMAN, PROF. RAYMOND L, b. Chicago, Ill, Oct. 14, 18; m. 45; c. 3. **ECONOMICS**. LL.B. Chicago-Kent Col. Law, 40; M.A. Chicago, 48, Ph.D. 57. Asst. prof. econ, Pittsburgh, 53-59, assoc. prof, 59-65; **PROF, MASSACHUSETTS**, 65-66; **ECON. & SOC. DEVELOP, PITTSBURGH**, 66- Practicing attorney, 40-; vis. prof, Westminster Col, 53; sr. economist, fiscal mission to Panama, Orgn. Am. States, 62-63, Colombia, 63, Cent. Am, 63-64. Consult, European Prod. Agency, Orgn. European Econ. Coop, Paris, 57-58. U.S.A.A.F. 41-46, Lt. Col. Econ. Asn; Nat. Tax. Asn; Soc. Int. Develop. Public finance; labor market and economic theory. Publ: Co-auth, Fiscal survey of Panama, 65 & Fiscal survey of Colombia, 66, Johns Hopkins; auth, Incidence of urban real estate taxes under conditions of static and dynamic equilibrium, Land Econ, 5/67. Address: Dept. of Economic & Social Development, GSPIA, University of Pittsburgh, Pittsburgh, Pa. 15213.

RICHMAN, SOL, b. Austria, Apr. 8, 14; nat; m. 46; c. 3. **PSYCHOLOGY**. B.S. City Col. New York, 35; M.A. N.Y. Univ, 49. Field supvr. voc. guid. & placement, New York Dept. Welfare, 40-43, supvr. soc. work, 46-50; rehab. counsr, N.Y. Div. Voc. Rehab, 50-56, supvr. voc. rehab, 56-58, coordinator ment. handicapped prog, 58-62, chief bur. prog. develop. & res, 62-66, **DIRECTOR, OFF. STATEWIDE PLANNING VOC. REHAB. SERV, STATE ED. DEPT.**, N.Y., 66- Lectr, N.Y. Sch. Psychiat, 62- AAAS; Psychol. Asn; Personnel & Guid. Asn; Rehab. Asn; fel. Asn. Ment. Deficiency. Development of a comprehensive statewide plan for delivery of vocational rehabilitational services to the disabled. Publ: Rehabilitation of the narcotic addict: return to productive community living, U.S. Govt. Printing Off, 66; Work as central focus in therapy, Ment. Hosp. J, 62; Vocational rehabilitation of the emotionally handicapped, Rehab. Lit, 64. Address: 5 Borthwick Ave, Delmar, N.Y. 12054.

RICHMOND, DR. ANTHONY H(ENRY), b. Ilford, Eng, June 8, 25; m. 52; c. 1. **SOCIOLOGY**. B.Sc. London, 49, Ph.D.(sociol), 65; M.A. Liverpool, 51. Res. worker **SOCIOL**, Liverpool, 49-51; lectr, Edinburgh, 52-63; reader, Bristol Col. Sci. & Tech, Eng, 63-65; **PROF, YORK (ONT)**, 65- Vis. lectr, Univ. British Columbia, 61-62; res. grants, Govt. of Can, 60-63, Milbank Mem. Fund of N.Y., 60-63, Inst. Race Rel, 64-67, Can. Coun, 67-68 & Cent. Mortgage & Housing Corp, 67-68. Am. Sociol. Asn; Can. Sociol. & Anthropol. Asn; Brit. Sociol. Asn. Race relations; ethnic minorities; migration; social stratification; social organization. Publ: Colour prejudice in Britain, Routledge & Kegan Paul, 54; The Colour problem, Penguin Books Ltd, rev. ed, 61; Post-war immigrants in Canada, Univ. Toronto, 67. Address: Dept. of Sociology, York University, Toronto 12, Ont, Can.

RICHMOND, PROF. DAVID F, b. Hannibal, Mo, June 17, 24; m. 46; c. 3. EDUCATIONAL PSYCHOLOGY. B.S. Missouri, 49; M.A. Colo. State Col, 52, Ed.D. 55. Psychometrist, Colo. State Col, 52-54; asst. prof. ed. & psychol, North State Teachers Col.(S.Dak), 54-56; from asst. prof. to PROF. PSYCHOL, BALL STATE, 56- U.S.N.R. 42-46. Psychol. Asn; Personnel & Guid. Asn. Evaluation of teaching effectiveness; theories of counseling. Publ: Co-auth, Exploring junior high guidance, Ind. Pub. Schs. Study Coun, Ball State Univ, 65. Address: Dept. of Educational Psychology, Ball State University, Muncie, Ind. 47306.

RICHMOND, PROF. SAMUEL B(ERNARD), b. Boston, Mass, Oct. 14, 19; m. 44; c. 3. ECONOMICS, STATISTICS. A.B. Harvard, 40; fel. Columbia, 47, M.B.A. 48, Ph.D.(bus), 51. Asst. BUS, COLUMBIA, 46-47; lectr, 47-48, instr, 48-51, asst. prof, 51-56, assoc. prof, 56-60, PROF, 60- Vis. assoc. prof, opers. res. group, Case Inst. Tech, 58-59; vis. prof, Buenos Aires, 64-65; Sherbrooke, 67. Consult, L.W. Frohlich & Co, 54-; Intercontinental Mkt. Serv, 59-; E.I. du Pont de Nemours & Co, 59-; El Al Airlines, 61-; Fed. Aviation Authority Study Future Flight Manpower Needs, 63-64; Thomas J. Lipton, Inc, 63-67; U.S. Dept. Commerce Econ. Eval. Supersonic Transport, 64-65; Coca Cola Co, 67-; United Fruit Co, 67-; Eastern Air Lines, 67- U.S.A.A.F, 43-45, 1st Lt. Econ. Asn; Statist. Asn; Opers. Res. Soc; Inst. Mgt. Sci. Air transportation; operations and marketing research; economic forecasting; public utility regulation. Publ: Principles of statistical analysis; Regulation and competition in air transportation; Operations research for management decisions, Ronald, 68. Address: Graduate School of Business, Columbia University, New York, N.Y. 10027.

RICHTER, DR. CURT PAUL, Psychol, see 11th ed, Phys. & Biol. Vols.

RICHTER, DR. DONALD, b. Brooklyn, N.Y, Sept. 3, 30. MATHEMATICAL STATISTICS. A.B. Bowdoin Col, 52; Ph.D.(statist), North Carolina, 59. Asst. prof. statist, Minnesota, 59-61; mem. tech. staff, Bell Tel. Labs, 61-64; ASSOC. PROF. STATIST, GRAD. SCH. BUS. ADMIN, NEW YORK UNIV, 64- U.S.A., 52-54. Statist. Asn; Inst. Math. Statist; fel. Royal Statist. Soc. Statistical inference. Address: Dept. of Statistics, Graduate School of Business Administration, New York University, 100 Trinity Place, New York, N.Y. 10006.

RICHTER, DR. J(OHN) H(ANS), b. Vienna, Austria, June 23, 01; nat; m. 38. ECONOMICS. Ph.D.(econ), Berlin, 36. Economist, U.S. Dept. Agr, D.C, Berlin, London & Belgrade, 25-39, D.C., 40-46, econ. adv. U.S. Allied Cmn. for Austria, 46, 47, chief European br. for agr. serv, 48-60, econ. adv. 60-62; dir, European off, Tobacco Assocs. Inc, 63; CONSULT. & DIR. N.A.M. OFF. INT. FEDN. AGR. PRODUCERS, 64- Econ. consult, 44, 45, 48, 55. Econ. Asn; Int. Asn. Agr. Econ. Economic theory and policy; agricultural economics. Publ: Economic theory of public investment; Agricultural protection and trade, Praeger, 64; Trends in international trade, Quart. J. Econ. Address: International Federation of Agricultural Producers, 910 17th St. N.W., Washington, D.C. 20006.

RICHTER, PROF. JOSEPH J, Agr. Econ, see 10th ed, Soc. & Behav. Vols.

RICHTER, DR. MARCEL K(ESSEL), b. New York, N.Y, June 26, 32; m. 54; c. 2. ECONOMICS. B.A. Swarthmore Col, 54; Ph.D.(econ), Mass. Inst. Tech, 59. Asst. prof. ECON, MINNESOTA, MINNEAPOLIS, 59-65, assoc. prof, 65-68, PROF, 68- Ford Found. faculty study fel. & Nat. Sci. Found. fel. Economet. Soc; Econ. Asn; Math. Soc. Mathematical economics. Publ: Cardinal utility, portfolio selection, and taxation, Rev. Econ. Studies, 60; Revealed preference theory, 66 & Invariance axioms and economic indexes, 66, Econometrica. Address: Dept. of Economics, University of Minnesota, Minneapolis, Minn. 55455.

RICHTER, DR. MARTIN L, b. Ridgewood, N.J, Oct. 20, 37; m. 61; c. 2. PSYCHOLOGY. B.A. Rutgers, 60; Ph.D.(concept learning), Indiana, 65. ASST. PROF. PSYCHOL, LEHIGH, 65- Nat. Inst. Ment. Health res. grant, 66-68. Psychol. Asn. Learning; mathematical psychology; discrimination learning; concept identification. Publ: Co-auth, Impressions of groups as a function of the stimulus values of their individual members, J. Abnorm. & Soc. Psychol, 63; The blank trials law; the equivalence of positive reinforcement and non-reinforcement, Psychol. Rev, 64; Probability learning and the blank trials law, Psychonomic Sci, 65. Address: Dept. of Psychology, Lehigh University, Bethlehem, Pa. 18015.

RICHTER, DR. MAURICE NATHANIEL, JR, b. New York, N.Y, May 21, 30. SOCIOLOGY. B.A. Bard Col, 53; Marshall fel, Chicago, 53-54, M.A. 54, Ph.D.(sociol), 62. Instr. sociol, Syracuse, 55-56; lectr, Toronto, 56-57; asst. prof, Antioch Col, 57-58; res. assoc. ed, Chicago, 58-60; asst. prof. SOCIOL, New Hampshire, 60-64; Southern California, 64-65; ASSOC. PROF, STATE UNIV. N.Y. ALBANY, 66- Hon. fel, Univ. Minnesota, 65-66. Sociol. Asn. Sociology of knowledge, especially sociology of science. Publ: The conceptual mechanism of stereotyping, Am. Sociol. Rev, 21: 568-571; The concept of cognitive dissonance, J. Psychol, 60: 291-294; Social functions and sociological explanation, Sociol. & Soc. Res, 50: 72-77. Address: Dept. of Sociology, State University of New York at Albany, Albany, N.Y. 12203.

RICHTER, PROF. MELVIN, b. Revere, Mass, Apr. 6, 21; m. 55. GOVERNMENT. B.A. Harvard, 43, fels, 47-49, 51-53, Ph.D.(polit. sci), 53; Pennsylvania, 44; Soc. Sci. Res. Coun. fel, Oxford, 49-51. Lectr. govt, Boston, 48-47; instr. gen. ed. & govt, Harvard, 53-54; Connecticut, 54-56; from asst. prof. to PROF. POLIT. SCI, HUNTER COL, 56- Fulbright res. scholar, Paris, 59-60; vis. prof, Inst. American Studies, Paris, 60, 64-65; Rockefeller Found. fel. polit. philos, 62-63; Am. Coun. Learned Soc. res. grant-in-aid, summer, 63; vis. assoc. prof, Columbia, 64; Soc. Sci. Res. Coun. faculty fel, 64-65; vis. prof, Princeton, 66-67; Wesleyan, 66 & 67; Nat. Endowment for Humanities sr. fel, 67-68. Observer, Greek Plebiscite, U.S. Dept. State, 46. With Off. Strategic Serv, 45. Mem. Conf. Brit. Studies, 65- triennial prize, 67. U.S.A., 43-44. Polit. Sci. Asn; Soc. Polit. & Legal Philos; French Soc. Mod. Hist. Political theory; international politics; social sciences. Publ: The politics of conscience: T.H. Green and his age, Harvard, 64; Tocqueville on revolution, In: Revolution, Atherton, 66; Montesquieu, Elie Halevy, A.D. Lindsay, In: International encyclopedia of the social

sciences, Macmillan, 68. Address: Dept. of Political Science, Hunter College, New York, N.Y. 10021.

RICHTER, DR. ROBERT C, b. New York, N.Y, Feb. 19, 31. POLITICAL SCIENCE. A.B. Hamilton Col, 51; M.A. N.Y. Univ, 58, Ph.D.(comp. govt), 65; Fulbright grant, Inst. Polit. Studies, Paris, 63-64. Assoc. ed, Bus. Int, 58-59; East Europe Mag, 60-63; escort interpreter, U.S. Dept. State, 65; assoc. ed, Probs. Communism, 65-67; ASST. TO V. PRES, CARNEGIE ENDOWMENT FOR INT. PEACE, 67- Lectr, Catholic Univ, 66-67. U.S.N., 52-55, Res, 55-, Lt. Polit. Sci. Asn. Political developments affecting international relations in Eastern and Western Europe. Publ: Co-auth, Journalists and pressure groups in Eastern Europe, Journalism Quart, fall 66; France and Poland, Polish Rev, spring 67. Address: 230 E. 15th St, New York, N.Y. 10003.

RICHTER, DR. WILLIAM L, b. Covina, Calif, Apr. 9, 39; m. 64. POLITICAL SCIENCE. B.A., Willamette, 61; Danforth fel, Chicago, 61-68, M.A. 63, Ph.D.(polit. sci), 68. Instr. POLIT. SCI, Hawaii, 64-66; ASST. PROF, KANSAS STATE, 66- Participant, Inter-Univ. Consortium Polit. Res, summer prog, 68. Polit. Sci. Asn; Asn. Asian Studies. Language politics in multi-lingual societies; political integration. Address: 900 Garden Way, Apt. 12-A, Manhattan, Kans. 66502.

RICKABAUGH, DR. CAREY G, b. Wilmington, Del, Aug. 14, 36; m. 60; c. 2. POLITICAL SCIENCE. B.A. West. Md. Col, 58; M.A. Western Reserve, 61; Ph.D.(polit. sci), Maryland, 68. ASST. PROF. POLIT. SCI, OKLA. STATE, 65- Instr, Maryland, summer 62-64. Polit. Sci. Asn. Politization function of agrarian interest groups; Bolivian case study. Address: 1420 E. Scott, Stillwater, Okla. 74074.

RICKARD, PROF. HENRY CHARLES, b. Newport, Tenn, Jan. 3, 30; m. 54; c. 4. PSYCHOLOGY. B.A. Tennessee, 54, Ph.D.(psychol), 59. Clin. psychologist, Vet. Admin. Hosp, Tuscaloosa, Ala, 59-60; res. psychologist, Gulfport, Miss, 60-61; asst. prof. PSYCHOL, ALABAMA, 61-64, ASSOC. PROF, 64-, COORDINATOR CLIN. TRAINING, 66- Co-dir, Camp Ponderosa, 63- Consult, Ment. Health Clin, Selma, Ala, 60-; clin. psychol, Vet. Admin. Hosp, Tuscaloosa, 62- U.S.A., 50-52, Sgt. Psychol. Asn. Behavior modification; therapeutic camping; imitative behavior. Publ: Selected group psychotherapy evaluation studies, 62 & Tailored criteria of success in psychotherapy, 65, J. Gen. Psychol; co-auth, Model similarity and observer learning, Psychol. Reports, 67. Address: 1711 Idlewood Dr, Tuscaloosa, Ala. 35603.

RICKARD, PROF. J(OHN) A(LLISON), Govt, see 10th ed, Soc. & Behav. Vols.

RICKARD, DR. JOSEPH C(ONWAY), b. Weatherford, Tex, July 16, 26; m. 48; c. 5. PSYCHOLOGY. Ph.D. Chicago, 55. Psychol. trainee, Vet. Admin. Hosp, Hines, Ill, 51-53, Vet. Admin. Hyg. Clin, Chicago, Ill, 53-55; CHIEF PSYCHOL. SERV, VET. ADMIN. CENTER, 55- Lectr, Texas, 55-58, 60-61, 67-; assoc. prof, Mary Hardin-Baylor Col, 67- Consult, Bell County Soc. Crippled Children, 55-64; Temple Independent Sch. Dist, 65-; private practice, 65- U.S.A.A.F, 45-46. AAAS; Psychol. Asn; Soc. Proj. Tech. Study of sequential judgment; behavior modification. Address: 3302 Oaklawn Dr, Temple, Tex. 76501.

RICKARD, DR. STANLEY E(DGAR), b. Toledo, Ohio, Oct. 26, 42; m. 63; c. 1. SOCIAL PSYCHOLOGY. B.S. Wheaton Col, 63; univ. fels, Northwestern, 63-64, 66-67, Nat. Sci. Found. fel, 64-66, M.A. 66, Ph.D.(soc. psychol), 67. ASST. PROF. PSYCHOL, UTAH, 67- Causal interpretations of correlational data; assimilation and contrast in social and psychophysical judgment; effects of child-rearing practices; personality correlates of speech behavior. Address: Dept. of Psychology, University of Utah, Salt Lake City, Utah 84112.

RICKELS, DR. KARL, b. Wilhelmshaven, Germany, Aug. 17, 24; U.S. citizen; m. 64; c. 1. PSYCHIATRY, PSYCHOPHARMACOLOGY. M.D. Munster, 51. Instr. PSYCHIAT, PENNSYLVANIA, 57-59, assoc, 59-60, asst. prof, 60-64, ASSOC. PROF, 64-, DIR. PSYCHOPHARMACOL. RES, PHILA. GEN. HOSP, 64- Fel. Acad. Psychosom. Med; fel. Col. Clin. Pharmacol. & Chemother; fel. Col. Neuropsychopharmacol; Am. Med. Asn; fel. Psychiat. Asn; Psychosom. Soc; Soc. Pharmacol. & Exp. Therapeut; Therapeut. Soc; Asn. Adv. Psychother; fel. Int. Col. Neuropsychopharmacol; Soc. Biol. Psychiat. Publ: Ed, Non-specific factors in drug therapy, C.C. Thomas, 68; co-auth, Personality differences between somatically and psychologically oriented neurotic patients, J. Nervous & Ment. Diseases, 142: 10-18 & Drug treatment in depression: antidepressant or tranquilizer?, J. Am. Med. Asn, 201: 875-881. Address: Suite 203, Piersol Bldg, Hospital of the University of Pennsylvania, Philadelphia, Pa. 19104.

RICKERS-OVSIANKINA, DR. M(ARIA) A, b. Tshita, Russia, May 3, 00; nat. PSYCHOLOGY. Ph.D. Giessen, 28. Asst. psychol, Berlin, 27-31; res. assoc. clin. psychol, Worcester State Hosp, Mass, 31-36; from asst. prof. to prof. psychol, Wheaton Col.(Mass), 35-49; Connecticut, 49-65, dir. grad. prog. clin. psychol, 49-64; LECTR. PSYCHOL, EXTEN, CALIFORNIA, BERKELEY, 65- Consult, Vet. Admin, 50- Dipl. Am. Bd. Exam. Prfnl. Psychol, 48. Fel. Psychol. Asn; Soc. Proj. Tech. & Personality Assessment; Orthopsychiat. Asn; Int. Coun. Psychol. Personality theory; projective techniques; psychotherapy. Address: Womens Faculty Center, University of California, Berkeley, Calif. 94720.

RICKERT, DR. JOHN E, b. Rutland, Vt, Apr. 18, 23; m. 46; c. 1. GEOGRAPHY. A.B. Stanford, 51; B.F.T. Am. Inst. For. Trade, 53; M.A. Rutgers, 58; Ph.D.(urban geog), Clark, 60. Asst. prof. geog, Pittsburgh, 60-65; ASSOC. PROF. GEOG. & ASSOC. DIR. CENTER URBAN REGIONALISM, KENT STATE, 65- Urban & Regional Info. Sys. Asn; Asn. Am. Geog; Am. Geog. Soc; Regional Sci. Asn. Information storage and retrieval; housing; planning and taxation relationships; land values. Publ: Co-auth, Open space land, planning and taxation, U.S. Govt. Printing Off, 65; auth, Urban thesaurus: a vocabulary for indexing and retrieving urban literature, Center Urban Regionalism, 68; House facades of the northeastern United States: a tool of geographic analysis, Ann. Asn. Am. Geog, 67. Address: Dept. of Geography, Kent State University, Kent, Ohio 44240.

- RICKETTS, EDMOND F(AIRLIE)**, b. Jackson, Miss., Jan. 8, 15; m. 40; c. 2. PUBLIC ADMINISTRATION. A.B., Illinois, 35, A.M., 46; Harvard, 36-38. Instr. hist. & govt. Millsaps Col., 39-41; records specialist, State Bd. Health, La., 41; personnel officer, 41-42; mem. staff, Pub. Admin. Serv., Chicago, 42-45; assoc. dir., 56-65; independent govt. consult., 66; LECTUR. GOVT., MIAMI (OHIO), 67- Polit. Sci. Assn; Soc. Pub. Admin; Pub. Personnel Assn. State and local government and administration. Address: 220 Ridge Ave., Oxford, Ohio 45056.
- RICKS, PROF. DAVID F(RANK)**, b. Wilson, Wyo., Mar. 30, 27; m. 49; c. 6. PSYCHOLOGY. B.A., Chicago, 48, Ph.D., 56; fel., Judge Baker Guid. Center, 55-56. Res. assoc. PSYCHOL., Harvard, 56-60; asst. prof., Brandeis, 60-64; res. psychologist, Judge Baker Guid. Center, 60-64, dir. res. 60; assoc. prof. CLIN. PSYCHOL., TEACHERS COL., COLUMBIA, 64-66, PROF., 66-67, Lectr., Harvard, 60, 62-64. Consult., Vet. Admin., 64- U.S.N., 45-46. Psychol. Assn. Personality studies; delinquency; schizophrenia; problems in ego psychology; systematic measurement in clinical areas; memory and emotion; mood dynamics; measuring effects of psychotherapy. Publ: Co-auth., Mood and personality, Holt, 66. Address: Box 181, Teachers College, Columbia University, New York, N.Y. 10027.
- RICKS, DR. DONALD J.**, b. Lansing, Mich., Sept. 14, 36. AGRICULTURAL ECONOMICS, ECONOMICS. B.S., Mich. State, 58, M.S., 60; Ph.D.(agr. econ.), Oregon State, 65. Asst. consumer mkt., Mich. State, 60; agr. econ., Oregon State, 62-64, instr. econ., 63-64; ASST. PROF. AGR. ECON., MICH. STATE, 64- Agr. Econ. Assn. Diagnostic studies of marketing problems of certain agricultural industries in the United States and Latin America; analysis of economic impact of group-action alternatives; market and commodity price analysis. Publ: Long-run projections of Bartlett pear prices and production, Tech. Bull. Number 91, Oregon State Univ., 5/66; Great Lakes tart cherry industry—survey of users and distributors, Agr. Econ. Report Number 59, 10/66; Economic relationships in red tart cherry marketing, 1955-1966, Agr. Econ. Report Number 82, 6/67. Address: 1130 Beech St., Apt. 147, East Lansing, Mich. 48823.
- RICKS, DR. JAMES H(OGE)**, JR., b. Richmond, Va., Jan. 9, 16; m. 39; c. 2. PSYCHOLOGY. B.A., Richmond, 37; M.A., Haverford Col., 39; M.A., New Sch. Soc. Res., 51; Ph.D.(psychol.), Columbia, 57. Testing & res. assoc., Stevens Inst. Tech., 39-43; asst. dir. TEST DIV. PSYCHOL. CORP., NEW YORK, 46-65, ASSOC. DIR., 65- Trustee, Scarborough Sch., 61-; v.chmn., Bd. Exam. of Psychologists, N.Y., 66- Civilian with Am. Friends Serv. Cmt., 43-46. AAAS; Psychol. Assn; Psychomet. Soc; Personnel & Guid. Assn; Nat. Coun. Measurement in Ed; Ed. Res. Assn. Aptitude and ability tests; personnel selection; counseling; prediction of academic, vocational success and personal adjustment. Address: 10 Underhill Rd., Ossining, N.Y. 10562.
- RICKS, DR. R(ALPH) BRUCE**, b. Oakland, Calif., Dec. 2, 34; m. 58; c. 2. BUSINESS ADMINISTRATION. B.S., California, Berkeley, 56. M.B.A., 57, Ph.D.(bus.), 62. ASSOC. PROF. FINANCE, CALIFORNIA, LOS ANGELES, 63- Prin. investr., study funded U.S. Treas., 67- Consult., U.S. Small Bus. Admin., 63. Econ. Assn; Finance Assn; Real Estate & Urban Econ. Assn. Investment theory, top policy, urban growth models, real estate finance. Publ: Portfolio management: an investment game, Prentice-Hall, 64; Recent trends in institutional real estate investment, Univ. California, 64; co-auth., Readings in the essentials of finance, Holt, 68. Address: Dept. of Finance, University of California, Los Angeles, Calif. 90024.
- RIDDICK, DR. FLOYD M(ILLARD)**, b. Troyville, N.C., July 13, 08; m. 40; c. 3. POLITICAL SCIENCE. A.B., Duke, 32, Ph.D., 35; M.A., Vanderbilt, 32; Berlin, Germany, 37-38. Statist. analyst, U.S. Govt., 35-36; instr. polit. sci., American Univ., 36-37, 38-39; ed., Congressional Intel., Inc., 40-43; legis. analyst, govt. affairs, U.S. Chamber Commerce, 43-47; Senate ed., Daily Digest of Congressional Records, 47-51; asst. parliamentarian, U.S. SENATE, 52-64, PARLIAMENTARIAN, 65- Researcher, Columbia, 42-43; instr., George Washington, 47-57, assoc. prof. lectr., 57, prof. lectr., 58- Polit. Sci. Assn. Activities of Congress; compilations of practices and precedents of the House and Senate. Publ: Congressional procedure; U.S. Congress, organization and procedure; co-auth., Senate procedure. Address: R.F.D. No. 1, Box 398, Manassas, Va. 22110.
- RIDDLE, DEAN DONALD H(USTED)**, b. New York, N.Y., Jan. 22, 21; m. 42; c. 2. POLITICAL SCIENCE. A.B., Princeton, 49, Wilson fel., 49-50, Ford Found. fel., 55-56, Ph.D., 56. Asst. prof. govt., Hamilton Col., 52-58; assoc. prof. polit. sci., Rutgers & dir. spec. projs., Eagleton Inst. Polit., 58-65; DEAN FACULTY, JOHN JAY COL., CITY UNIV. NEW YORK, 65-, ACTING PRES, 68- Dir. res. for study N.J. State Legis., 63. U.S.A.A.F., 43-46, Lt. Polit. Sci. Assn; Am. Studies Assn. American national government; political parties; legislative process. Publ: The Truman Committee: a study in congressional responsibility, Rutgers, 64; co-auth. & ed., The problems and promise of American democracy, 64 & ed., American society in action, 65, McGraw. Address: 63 Deer Path, Princeton, N.J. 08540.
- RIDDLESPIRGER, PROF. J.W.**, b. Malakoff, Tex., Feb. 7, 13; m. 45; c. 4. POLITICAL SCIENCE. B.S., North Texas State, 37; M.A., Texas, Austin, 46. PROF. GOVT., NORTH TEXAS STATE, 52- U.S.A.F., 42-46, 50-52, Maj. Polit. Sci. Assn. Domestic public policy; military and defense policy. Address: Box 5276, North Texas State University, Denton, Tex. 76201.
- RIDENOUR, DR. NINA**, b. Vincennes, Ind., Dec. 12, 04; m. 41. PSYCHOLOGY. A.B., Radcliffe Col., 28; M.A., Colo. Col., 30; Ph.D., N.Y. Univ., 41. Chief psychologist, Children's Center, Detroit, Mich., 31-37; asst. exec. secy. cms. ment. hyg., State Charities Aid Assn., N.Y., 37-47; dir. div. world affairs, Nat. Cmt. for Ment. Hyg., 47-49, dir. div. ed., 49-52; secy., Ittleson Family Found., New York, 52-67; ED. CONSULT., MENT. HEALTH MATERIALS CENTER, 52- Teacher, grad. sch. pub. affairs & soc. work, Wayne, 36-37; sch. ed., N.Y. Univ., 46-47. Exec. officer, Int. Cmt. for Ment. Hyg., 47-49. Psychol. Assn; Orthopsychiat. Assn.(secy., 44-48). Mental health education. Publ: Mental health in the United States: a fifty-year history; Criteria of effectiveness in mental health education, Am. J. Orthopsychiat.; Mental health in the training of the related services, Ment. Hyg. Address: 360 Roaring Brook Rd., Chappaqua, N.Y. 10514.
- RIDER, DR. PAUL R(EECE)**, Statist., Math, see 11th ed, Phys. & Biol. Vols.
- RIDGE, DR. BRADLEY B(ATEMAN)**, b. San Antonio, Tex., Apr. 16, 26. CLINICAL PSYCHOLOGY. B.A., Texas, 48; A.M., Stanford, 55; Ph.D.(psychol.), Temple, 64. Psychologist, San Antonio State Hosp., Tex., 48-49; supply corps officer, U.S. Dept. Navy, 49-50, clin. psychologist, 50-60, head psychol. br., neuropsychiat. serv., U.S. Naval Hosp., Phila., Pa., 57-60; lectr. PSYCHOL., Temple, 60-61, instr., 61-66; ASST. PROF., URSINUS COL., 66- Personality theory; expressive and projective techniques; psychotherapy. Address: Dept. of Psychology, Ursinus College, Collegeville, Pa. 19426.
- RIDGE, DR. F(RANK) GERALD**, b. Hamilton, Ont., Aug. 17, 26; m. 58; c. 2. GEOGRAPHY. B.A., McMaster, 50; M.A., Indiana, 51; Carnegie scholar. & Cent. Mortgage & Housing Corp. fel., McGill, 52, Ph.D.(geog.), 53. Admin. officer, Dept. North. Affairs & Nat. Resources, Govt. Can., 53-55; supvr. pop. res. dept., North York Twp. Bd. Ed., 55-64; DIR. RES. & PLANNING, METROP. TORONTO SCH. BD., 64- Lectr., Ont. Inst. Studies in Ed., Univ. Toronto, 67- Can. Army, 45. Assn. Am. Geog.; Can. Assn. Geog. Urban geography and physical planning. Publ: Planning school areas, Argus. Address: 126 Argonne Crescent, Willowdale, Ont., Can.
- RIDGE, DR. MARTIN**, Am. Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- RIDGEL, PROF. GUS T(OLVER)**, b. Poplar Bluff, Mo., July 1, 26; m. 56. ECONOMICS. B.S., Lincoln (Mo.), 50; M.A., Missouri, 51; Whitney fel., Wisconsin, 52-54, Ford Found. fel., 54-56, Ph.D., 57; Pennsylvania, 54-55. Head bus. dept., Ft. Valley State Col., 51-58; acad. dean, Wiley Col., 58-60; PROF. BUS. ADMIN. & ECON. & HEAD DEPT., KY. STATE COL., 60- Vis. prof., Tata Inst. Soc. Sci., India, 55-56; summers, Ford Found. fcls., Duke, 58 & Indiana, 62, Gen. Elec. Found. fcls., Chicago, 60 & 67. Econ. Assn; Indust. Rels. Res. Assn. Internal discipline in American labor unions; labor movement and industrial relations in the cotton textile industry in Bombay, India. Publ: Government and industrial relations-India and the U.S.A. J. Nat. Inst. Labor Mgt; Inquiry into causes of disputes helps settlement, Mgt. Exec. Address: Dept. of Business Administration & Economics, Kentucky State College, Frankfort, Ky. 40601.
- RIDGEWAY, GEORGE L.**, Econ., see 10th ed, Soc. & Behav. Vols., deceased 68.
- RIDGEWAY, DR. MARIAN E(LIZABETH)**, b. Kansas City, Mo., Sept. 20, 13. POLITICAL SCIENCE. B.Jour., Missouri, 35, A.M., 46; fel., Illinois, 50-51, Ph.D.(polit. sci.), 52. Instr. polit. sci., State Col. Wash., 46-47; Kansas, 47-49; asst. prof. GOVT., SOUTHERN ILLINOIS, 52-55; ASSOC. PROF., 56- Res. consult. Cmn. on State Govt. Ill., 66-67. Polit. Sci. Assn: Water Resources Assn. American political theory, government and business: state and local government. Publ: Missouri Basin's Pick-Sloan plan. Address: Dept. of Government, Southern Illinois University, Carbondale, Ill. 62901.
- RIDGEWAY, DR. PAUL WILSON**, Counseling Psychol., see 10th ed, Soc. & Behav. Vols.
- RIDKER, PROF. RONALD GENE**, b. Chicago, Ill., Nov. 30, 31; m. 55; c. 2. ECONOMICS. A.B., California, 52; M.A., Fletcher Sch. Law, 53; Fulbright fel., Norway, 55-56; Ph.D.(econ. polit. sci.), Wisconsin, 58. Instr. econ., Washington (St. Louis), 56-58, asst. prof., 58-64; assoc. prof., Maxwell Sch. Syracuse, 64-66; asst. chief, policy planning div. Off. Prog. Coord. Agency Int. Develop., 66-67, ECON. ADV. U.S. AGENCY INT. DEVELOP. MISSION TO INDIA, NEW DELHI, 67- Dir. econ. air pollution prof., U.S. Pub. Health Serv. grants, 63-; vis. res. prof., Brookings Inst., 65-66. Consult. UNESCO & economist, UNESCO Ed. Investment Prog. Mission to Thailand, 63; consult., Hudson Inst., 64-67. Econ. Assn; Soc. Int. Develop. Economic theory; economic development of underdeveloped areas; international trade. Publ: Economic costs of air pollution, studies in measurement, Praeger, 67; The economic determinants of discontent, an empirical investigation, J. Develop. Studies, 3/68; co-auth., The determinants of residential property values. Rev. Econ. & Statist., 5/67. Address: U.S. Agency for International Development, APO New York 09675.
- RIDLEY, PROF. JEANNE CLARE**, b. Scranton, Pa., Aug. 28, 25; m. 57. SOCIOLOGY. B.A., Michigan, 47, Soc. Sci. Res. Coun. fel., 52-53, Pop. Coun. fel., 55-56, Ford Found. fel., 56-57, Ph.D.(sociol.), 58; M.A., Columbia, 51. Asst. Milbank Mem. Fund, 48-52; asst. study dir. sociol., Surv. Res. Center, 54-55; Instr. Brown, 56-57; instr., Vanderbilt, 57-58; asst. prof., 58-63; ASSOC. PROF. demog. & sociol., Pittsburgh, 63-67; DEMOG. DEPT. ADMIN. MED. SCH. PUB. HEALTH & ADMIN. MED. INT. INST. STUDY HUMAN REPROD., COLUMBIA, 67- Nat. Inst. Child Health & Human Develop. grant & prin. investr., 65-67. Sociol. Assn; Pop. Assn; Int. Union Sci. Study Pop. Population trends; fertility; demography. Publ: Co-auth., Current research issues, Univ. Pittsburgh Press, 65; The effects of changing mortality on natality: some estimates from a simulation model, Milbank Mem. Fund Quart., 1/67; auth., Demographic change and the roles and status of women, Annals of Am. Acad. Polit. & Soc. Sci., 1/68. Address: College of Physicians & Surgeons, Columbia University, 630 W. 168th St., New York, N.Y. 10032.
- RIDLEY, PRES. WALTER NATHANIEL**, b. Newport News, Va., Apr. 1, 10; m. 39; c. 2. EDUCATIONAL PSYCHOLOGY. B.A., Howard, 31, M.A., 33; Minnesota, 39-40, 45-46; Ohio State, 41; Ed.D., Virginia, 51. Ed. adv. Civilian Conserv. Corp., 34-36; dir. exten. Va. State Col., 36-43, prof. psychol. & head dept., 43-57; dean, St. Paul's Col., 57-58; PRES., ELIZABETH CITY STATE COL., 58- Psychol. Assn. Prognostic values of tests; mental hygiene; attitudes. Address: Elizabeth City State College, Elizabeth City, N.C. 27909.
- RIE, DR. HERBERT E(MANUEL)**, b. Prague, Czech, Oct. 22, 31; nat; m. 56. PSYCHOLOGY. B.S., Union Col., 53; Ph.D.(psychol.), Western Reserve, 59. Psychologist, Lake County Ment. Health Clin., Ohio, 58-59; instr. PSYCHOL., Chicago, 59-61, asst. prof., 61-67; ASSOC. PROF., OHIO STATE, 67-; HEAD CHILD DEVELOP. & PSYCHOL., CHILDREN'S HOSP., 67- Lectr., Western Reserve & Lake Erie Col., 59. Psychol. Assn. Behavior disorders in children; training; clinical child psychology. Address: 2825 Helston Rd., Columbus, Ohio 43221.

- RIEBER, DR. MORTON, b. New York, N.Y., Sept. 27, 34; m. 55; c. 3. CHILD & EXPERIMENTAL PSYCHOLOGY. B.A. California, Los Angeles, 56; M.A. & Ph.D. (child psychol.), Iowa, 59. Fel. psychol., col. med. Baylor, 59-60, instr. pediat. & psychiat., 60-62, asst. prof., 62-66; ASSOC. PROF. PSYCHOL., WESTERN ONTARIO, 66- Psychol. Asn; Soc. Res. Child Develop; Psychonomic Soc. Experimental child psychology; concept formation in children; effects of reinforcement on learning in children. Publ: Delay of reward and discrimination learning in children, Child Develop, 64; auth, The role of stimulus comparison in children's discrimination learning, 66 & co-auth, The facilitation of concept formation in children by the use of color cues, 68, J. Exp. Psychol. Address: Dept. of Psychology, University of Western Ontario, London, Ont, Can.
- RIECKEN, DR. HENRY W(ILLIAM), b. Brooklyn, N.Y., Nov. 11, 17; m. 55. SOCIAL PSYCHOLOGY. A.B. Harvard, 39, Ph.D.(soc. psychol.), 50. Soc. sci. analyst, U.S. Dept. Agr., 41-46; lectr. soc. psychol., Harvard, 50-54; assoc. prof. sociol., Minnesota, 54-61; asst. dir. soc. sci., Nat. Sci. Found., 58-64, assoc. dir. ed., 64-66; V.PRES. SOC. SCI. RES. COUN., 66- Consult, U.S. Dept. Air Force, 52; behav. sci. div., Ford Found., 53; off. int. res., Nat. Insts. Health, 63-, mem. adv. cmt. to dir., 66-, task force study homosexuality, 67-, bd. med. Nat. Acad. Sci., 67- U.S.A., 43-45. AAAS; fel. Psychol. Asn; fel. Sociol. Asn; Asn. Pub. Opinion Res. Interpersonal relations; attitude and behavior change; evaluation of social programs; social science policy; medicine. Publ: Volunteer work camp; co-auth, When prophecy fails; auth, Social psychology, Ann. Rev. Psychol. Address: Social Science Research Council, 1755 Massachusetts Ave. N.W., Washington, D.C. 20036.
- RIEDEL, DR. DONALD C(ARL), b. Harrisburg, Pa., Jan. 28, 34; m. 54; c. 2. MEDICAL SOCIOLOGY. B.A., Rollins Col., 55; M.S., Purdue, 57, Ph.D.(sociol.), 58. Asst. med. sociol., Purdue, 55-58; res. assoc. hosp. & med. econ. bur. hosp. admin., Michigan, 58-61, sr. study dir. med. care & hosp. admin., 61-62; dir. res. & planning med. care, Blue Cross Asn, Chicago, Ill., 62-66; dir. res. Health Serv. Found., 65-66; ASSOC. PROF. PUB. HEALTH, SCH. MED., YALE, 66- Consult, Soc. Security Admin. & Calif. State Employees Retirement Syst., 65-; Conn. Regional Med. Prog. & Conn. Hosp. Asn., 66-; Mich. Health & Soc. Security Res. Inst. & bur. health serv., U.S. Pub. Health Serv., 67- Ed-in-chief, Med. Care, 67- Fel. Sociol. Asn; fel. Pub. Health Asn; Statist. Asn; fel. Royal Soc. Health. Research methodology; statistics. Publ: Co-auth, Probability sampling of hospitals and patients, 61 & Patterns of patient care, 64, Univ. Michigan; Character and effectiveness of hospital use, In: Hospital and medical economics, Hosp. Res. & Ed. Trust, 62. Address: Dept. of Epidemiology & Public Health, School of Medicine, Yale University, New Haven, Conn. 06510.
- RIEDEL, PROF. JAMES A(HERTONT), b. Rocky Ford, Colo., Feb. 4, 21; m. 43; c. 4. POLITICAL SCIENCE. A.B. Denver, 42; Maxwell scholar, Syracuse, 42-43, M.S., 43; univ. fel., Chicago, 49-50, Ph.D.(polit. sci.), 54. Instr. int. rels., Denver, 46-47; asst. prof. polit. sci., Purdue, 47-49, 50-57; lectr. int. rels., Chicago, 49-50; prof. govt. & chmn. dept., Union Col.(N.Y.), 57-64; PROF. POLIT. SCI., GRAD. SCH. PUB. AFFAIRS, STATE UNIV. N.Y. ALBANY, 63- Adj. prof. grad. sch. pub. affairs, N.Y. State, 60- Consult, bur. int. orgn., U.S. Dept. State, 62; Dag Hammarschöld Found., 63. Assoc. dir. cmt. legis. & amendments, N.Y. State Constitutional Convention, 67. U.S.A., 43-46, 51-52, Lt. Polit. Sci. Asn; Soc. Pub. Admin.; Acad. Polit. & Soc. Sci. Political parties; political behavior; legislative process; citizen expectations when moving to the suburbs; characteristics of urban political machines. Publ: British debate on foreign policy, 1945-1950; Hoosiers go to the polls, 56; Boss and faction, Annals, 5/64. Address: Graduate School of Public Affairs, State University of New York at Albany, 179 Partridge St., Albany, N.Y. 12203.
- RIEDEL, DR. NORBERT FRANZ, b. St. Martin, Austria, Feb. 16, 30; m. 55; c. 3. CULTURAL ANTHROPOLOGY. New Mexico, 50-51; Ph.D., Vienna, 54. Res. asst. museol., Mus. fuer Voelkerkunde, Vienna, 54; res. assoc. Oesterreichisches Mus. fuer Volkskunde, 54-56; res. asst. personality tests, Ed. Testing Serv., N.J., 56-59, asst. prog. dir. col. scholarship serv., 60-62; curator folk culture, Burgenland State Mus., Eisenstadt, Austria, 60; asst. prof. ANTHROP., TENNESSEE, 62-66, ASSOC. PROF., 66- Mem. res. adv. cmt., Burgenland State Mus., 62-56; exec. bd., Urgeschichtliche Arbeitsgemeinschaft in der Anthropologischen Gesellschaft in Wien, 54-56. Fel. Anthropol. Asn; Folklore Soc. Comparative European folk culture; regional American folk culture; European prehistory; museology. Publ: Co-auth, Die Johann R. Bunker Sammlung: zur Sachvolkskunde des Mittleren Burgenlands, Wissenschaftliche Arbeiten aus dem Burgenland, 55; auth, Folklore vs. Volkskunde: a plea for more concern with the study of American folk culture on the part of anthropologists, Tenn. Folklore Soc. Bull., 65; Folklore and the study of material aspects of folk culture, J. Am. Folklore, 66. Address: Dept. of Anthropology, University of Tennessee, Knoxville, Tenn. 37916.
- RIEFF, PROF. PHILIP, b. Chicago, Ill., Dec. 15, 22; m. 50; c. 1. SOCIOLOGY. Fel., Hebrew Univ., Israel, Ph.D.(polit. sci.), Chicago, 54. Instr. sociol., Chicago, 48-52; asst. prof., Brandeis, 53-56; fel., Center Adv. Study in Behav. Scis., 57-58; assoc. prof., SOCIOLOGY, California, 59-60; Fulbright prof., Munich, 60; prof., PENNSYLVANIA, 61-65, univ. prof., 65-68, BENJAMIN FRANKLIN PROF., 68- Consult, Am. Unitarian Asn., 53-59; Nat. Coun. Christian Churches, 62- U.S.A.A.F., 43-46. AAAS; Sociol. Asn; Polit. Sci. Asn. Sociological theory. Publ: Freud, the mind of the moralist; ed, The collected papers of Sigmund Freud, ten vols., Macmillan, 63; auth, The triumph of the therapeutic: uses of faith after Freud, Harper, 66. Address: Dept. of Sociology, University of Pennsylvania, Philadelphia, Pa. 19104.
- RIEFLER, DR. WINFIELD W(ILLIAM), Econ, see 10th ed, Soc. & Behav. Vols.
- RIEGEL, PROF. JOHN W(ALLACE), b. Reading, Pa., Dec. 5, 94. ECONOMICS. B.S., Pennsylvania, 17, A.M., 22; Ph.D., Harvard, 25. Assoc. prof., INDUSTR. RELS., MICHIGAN, 35-38, prof., 38-64, EMER. PROF., 64-, dir. bur. indust. rels., 35-59. Labor relations; wage determination; selection and development of business executives. Address: School of Business Administration, University of Michigan, Ann Arbor, Mich. 48104.
- RIEGEL, PROF. KLAUS FRIEDRICH, b. Berlin, Germany, Nov. 6, 25; m. 54. PSYCHOLOGY, GERONTOLOGY. Dipl., Hamburg, Germany, 55, Dr. Phil., 57; Fulbright scholar & M.A., Minnesota, 55. Instr. psychol., Hamburg, 52-53, 54-57, asst., 57-58; asst., Minnesota, 53-54; vis. scientist, Nat. Inst. Ment. Health, Md. 58-59; asst. prof. PSYCHOL., MICHIGAN, 59-63, assoc. prof., 63-66, PROF., 66-, DIR. LANG. DEVELOP. PROG., 65- Foundations' Fund Res. Psychiat. res. grants, 56-58, 61-63; U.S. Pub. Health Serv. res. grants, 64-66 & 65-68. Annual award, German Res. Asn., 59. Fel. Am. Psychol. Asn; fel. Geront. Soc.; German Soc. Psychol. Psycholinguistics; Psychological theory; developmental changes in verbal achievements, habits and perceptions; changes in intellectual functioning. Publ: Speed of verbal performance as a function of age and sex, In: Behavior, aging and the nervous system, 65; Development of language: suggestions for a verbal fallout model, Human Develop, 66; Changes in psycholinguistic performances with age, In: Human behavior and aging, 67. Address: Dept. of Psychology, University of Michigan, Ann Arbor, Mich. 48104.
- RIEGEL, PROF. O(SCAR) W(ETHERHOLD), b. Reading, Pa., Dec. 26, 02; m. 30; c. 5. JOURNALISM. A.B., Wisconsin, 24; A.M., Columbia, 30. Mem. staff, Neenah Daily News, Wis., 18-22; Reading Tribune, Pa., 24-25; Chicago Tribune & New York Daily News, Paris, 25-27; Lancaster News-Jour., Pa., 27; instr. Eng., Dartmouth Col., 27-29; asst. prof. JOURNALISM, LEE MEM. JOURNALISM FOUND., WASHINGTON & LEE, 30-36, assoc. prof., 36-41, PROF., 41-, DIR., 34- Soc. Sci. Res. Coun. grant-in-aid, 35; dir., Rockefeller grant; cultural contacts prof., Belgium; study pub. opinion res. W. Germany, Woodrow Wilson Sch. Pub. & Int. Affairs, Princeton, 51; curator, Alfred I. duPont Awards Found., 51-66; Fulbright res. grant, Paris, 57-58. Consult, U.S. Dept. State, 50. Trustee, Sci. Serv., 38- Chmn. rev. bd., N.Y. & gen. rep. for Italy & Balkans, Off. War Info, 42-45; cultural attaché & pub. affairs officer, Am. Legation, Budapest, 44-46. Asn. Pub. Opinion Res; Asn. Ed. in Journalism; Int. Asn. Mass Commun. Res. Communications and mass media; public opinion and propaganda. Publ: Mobilizing for chaos & Crown of glory, Yale. Address: Box 1153, Lexington, Va. 24450.
- RIEGEL, PROF. ROBERT, b. Philadelphia, Pa., Jan. 30, 90; m. 11; c. 1. STATISTICS, INSURANCE. B.S., Pennsylvania, 10, A.M., 12, Ph.D., 17. Instr. ins., Pennsylvania, 10-18, asst. prof. ins. & statist., 19-21, prof., 22-28, statist. sch. pub. health, 23-29; dir. bur. bus. & soc. res., STATE UNIV. N.Y. BUFFALO, 29-42, prof. INS. & STATIST., 29-60, EMER. PROF. & CONSULT, 60- Lectr., Phila. chap., Am. Inst. Banking, 17-29; Sch. for Execs. of Bell Tel. Co., 28, 29; inst. fire ins., Am. Mutual Alliance, 40. Acad. Actuaries. Insurance principles and practices; business statistics; merchant vessels. Address: Dept. of Insurance & Statistics, State University of New York at Buffalo, 4244 Ridge Lea Rd., Amherst, N.Y. 14226.
- RIEGELHAUPT, DR. JOYCE FIRSTENBERG, b. Brooklyn, N.Y., Aug. 26, 36; m. 58. ANTHROPOLOGY. Ph.D.(anthrop.), Columbia, 64. Lectr. ANTHROP., Queens Col.(N.Y.), 63; ASST. PROF., Rutgers, 64-66; SARAH LAWRENCE COL., 66- Agr. Develop. Coun. res. grant, field work in Brazil, 67; N.Y. State faculty scholar int. affairs, 67-68. Consult, Asn. Aid Crippled Children proj., cross-cultural study nutrit. & health of children, 65-67. Anthropol. Asn: Ethnol. Soc. Peasant society and social change; Ibero-America; economic anthropology. Publ: Prognosticative calendar systems II, Am. Anthropologist, 2/67; Saloio women: an analysis of roles, Anthropol. Quart., summer 67. Address: 98 Riverside Dr., New York, N.Y. 10024.
- RIEGER, DR. AUDREY F(LESHAM), b. Chicago, Ill., Nov. 22, 20; m. 43; c. 2. PSYCHOLOGY. B.A., Illinois, 42; M.A., Chicago, 43, Ph.D.(human develop), 48. Psychologist, Dept. Pub. Welfare, 43-45; asst., Chicago, 45-46; CONSULT, selection, guid. & placement, R.N. McMurry & Co., 46-51, Scholarship & Guid. Asn., 51, NURSERY SCHOOLS, 51- Instr., Fairleigh Dickinson, 57-60; Rockland Community Col., 62; psychologist, pub. schs., N.J., 59- Psychol. Asn. Projective and selection techniques; child development. Publ: Rorschach test and occupational personalities & Rorschach test in industrial selection, J. Appl. Psychol.; contrib., Adolescent character and personality. Address: 304 Mountain Way, Morris Plains, N.J. 07950.
- RIEGER, DR. REBECCA E(ISENBERG), Clin. Psychol., see 10th ed, Soc. & Behav. Vols.
- RIEGER, PROF. WILLIAM G(EOERGE), b. Zagreb, Croatia, Nov. 11, 11; nat; m. 42; c. 1. ECONOMICS, SOCIOLOGY. M.C.S., Zagreb, Croatia, 37; Dr. rer. pol., Berlin, 39. Asst. prof. ECON., Zagreb, Croatia, 41-43, prof., 43-45; instr., MARYWOOD COL., 49-55, from assoc. prof. to PROF., 55- Econ. Asn; Acad. Polit. & Soc. Sci; Sociol. Asn. Social systems and movements; economic and social policy; federalism and nationalism. Publ: The new and the old economy; Introduction into social policy; co-auth, Principles of economics, Pitman, 60. Address: 241 Swartz St., Dunmore, Pa. 15512.
- RIEMAN, DR. G(LENN) W(ALKER), b. Berlin, Pa., Jan. 29, 08; m. 47; c. 4. CLINICAL PSYCHOLOGY. A.B., Juniata Col., 29; M.Ed., Pittsburgh, 33, Ph.D. (clin. psychol.), 50; summers, Michigan, 31, Duke, 36, Chicago, 56. Instr. high sch., Pa., 30-42; clin. psychologist, Vet. Admin., Pa., 46-67, COUNSELING & CLIN. PSYCHOLOGIST, VET. ADMIN. CENTER, 67- Psychol. consult, Upper Miami Valley Guid. Center, Piqua, 68- U.S.A.A.F., 42-46, 1st Lt. Psychol. Asn. Psychodiagnostics; personality and behavior dynamics; psychotherapy; mental retardation; school adjustment problems. Publ: Effectiveness of Rorschach elements in the discrimination between neurotic and ambulatory schizophrenic subjects, J. Consult. Psychol. Address: 1400 Cornell Dr., Dayton, Ohio 45406.
- RIEMER, PROF. NEAL, b. Freehold, N.J., Aug. 25, 22; m. 46; c. 3. POLITICAL SCIENCE. A.B., Clark, 43; A.M., Harvard, 47, fel., 47-48, Ph.D., 49. Tutor, Harvard, 47-48; instr. POLIT. SCI., Pa. State, 48-50, asst. prof., 52-54, assoc. prof., 54-59, PROF., 59-64; WISCONSIN, MILWAUKEE, 64- Rockefeller fel., 58-59; Fulbright fel., Innsbruck, 61-62. U.S.A.A.F., 43-45. Polit. Sci. Asn. Political theory. Publ: The revival of democratic theory, Appleton, 62; The democratic experiment, Van Nostrand, 67; James Madison, Washington Square, 68. Address: Dept. of Political Science, University of Wisconsin, Milwaukee, Wis. 53211.
- RIEMER, DR. RUTH, Sociol., see 10th ed, Soc. & Behav. Vols.

- RIEMER, PROF. SVEND, b. Berlin, Germany, Oct. 28, 05; nat; m. 46; c. 2. SOCIOLOGY. Exchange fel, London, 29-30; Ph.D. Heidelberg, 30. Acad. asst, Kiel, 30-33; Stockholm, 34-38; Rockefeller fel, 38-39; asst. prof, Minnesota, 39-40; Washington (Seattle), 40-42; Cornell, 42-45; assoc. prof, Wisconsin, 45-52; PROF. SOCIOL. CALIFORNIA, LOS ANGELES, 52- Soc. iol. Asn. Housing and family living; urban personality; the family cycle. Publ: The modern city; Incestbrottet i Sverige. Address: 11728 Wilshire Blvd, Apt. B-1115, Los Angeles, Calif. 90025.
- RIENOW, PROF. ROBERT, b. Grafton, Wis, Dec. 4, 09; m. 31. POLITICAL SCIENCE. A.B. Carthage Col, 30, hon. Litt.D. 63; M.A. Columbia, 33, Gilder fel, 33-34, Ph.D.(polit. sci), 37; univ. fel, Ohio State, 34-35. Prin. Sussex State Graded Sch, Wis, 31-32; instr, Union Col.(N.Y.), 34-35; PROF. POLIT. SCI, GRAD. SCH. PUB. AFFAIRS, STATE UNIV. N.Y. ALBANY, 36- MEM. PUBLICATIONS CMT, 66-; mem. bd. trustees, cmt. on patents & copyright, 55-57. Mem. Nat. Coun. Soc. Studies. George Washington Honor Medal, Freedom Found, 56. U.S.A. 43-46, Res. & Nat. Guard, 46-. Col. Polit. Sci. Asn; Wilderness Soc; Nat. Parks Asn. Citizenship education; comparative government; international relations; environmental crisis. Publ: Co-auth. Of snuff, sin, and the Senate. 65 & Lonely quest, 66, Follett; Moment in the sun. Dial, 67. Address: Hollyhock Hollow Farm, R.D. 2, Selkirk. N.Y. 12158.
- RIES, H(OWARD) G, Agr. Econ, see 10th ed, Soc. & Behav. Vols.
- RIES, DR. JOHN CHARLES, b. Marysville, Calif, Jan. 8, 30; m. 55; c. 5. POLITICAL SCIENCE. B.A. Santa Clara, 51; M.A. Detroit, 53; Ph.D.(polit. sci), California, Los Angeles, 62. Assoc. prof. POLIT. SCI, U.S. Air Force Acad, 62-65; asst. prof, CALIFORNIA, LOS ANGELES, 65-67, ASSOC. PROF, 67- Consult, TRW Sys, 65-66; Rand Corp, 65- U.S.A.F. 54-65, Capt. Int. Studies Asn; Polit. Sci. Asn. United States national security policy and organization; nature of decision-making in public agencies; public policy process; organizational behavior; application of quantified analytical techniques to politics. Publ: The management of defense, 64 & co-auth, American defense policy, 65, Hopkins; auth, NATO reorganization: a critical analysis, West, Polit. Quart, 65. Address: Dept. of Political Science, University of California, Los Angeles, Calif. 90024.
- RIESELBACH, DR. LEROY N(EMMAN), b. Milwaukee, Wis, July 11, 34; m. 57; c. 4. POLITICAL SCIENCE. B.A. Harvard, 56; M.A. Yale, 58, Ph.D.(polit. sci), 64. Asst-in-instr. polit. sci, Yale, 60-61; lectr. GOVT. INDIANA, 61-64, asst. prof, 64-66, ASSOC. PROF, 66- Instr, Trinity Col.(Conn), summer 60; fel, ment. health res. inst. Michigan, 64-65. Polit. Sci. Asn. Legislative behavior; sociology and psychology of political opinion and behavior. Publ: The roots of isolationism, Bobbs, 67; Congressional politics, McGraw, 69; auth. The demography of the congressional vote on foreign aid, 1939-1958, Am. Polit. Sci. Rev, 9/64. Address: Dept. of Government, Indiana University, Bloomington, Ind. 47401.
- RIESEN, PROF. AUSTIN H(ERBERT), b. Newton, Kans, July 1, 13; m. 39; c. 2. COMPARATIVE PSYCHOLOGY. A.B. Arizona, 35; Ph.D.(psychol), Yale, 39. Asst. psychobiol. sch. med, Yale, 35-37, asst. primate biol, 37-39, res. asst. psychobiol, 39-41, asst. prof, 41-49; assoc. prof. PSYCHOL, Chicago, 49-56, PROF, 56-62; CALIFORNIA, RIVERSIDE, 62- Vis. res. prof, Rochester, 51-53; Nat. Inst. Neurol. Diseases & Blindness res. grant, 61- Mem. ment. health res. develop. rev. cmt, Nat. Inst. Ment. Health, 64-; int. brain res. orgn, UN Ed, Sci. & Cultural Orgn, 65- U.S.A.A.F. 43-46, Capt. AAAS; Psychol. Asn; Asn. Res. Ophthal; Acad. Neurol. Visual perception; primate development; biopsychology of learning; effects of sensory deprivation. Publ: Delayed reward in discrimination learning by chimpanzees; co-auth, Postural development of infant chimpanzees. Address: Dept. of Psychology, University of California, Riverside, Calif. 92502.
- RIESENBERG, DR. SAUL H(ERBERT), b. Newark, N.J, Aug. 28, 11; m. 42; c. 3. ANTHROPOLOGY. A.B. California, Los Angeles, 32; fel, California, 47-48, Ph.D.(anthrop), 50. Instr. anthrop, Hawaii, 49-50, asst. prof, 50-54, assoc. prof, 54-57; curator ethno, SMITHSONIAN INST, 57-67, CHMN. OFF. ANTHROP, 67-; Res. Found. res. grant, 67. Pac. Sci. Bd, Nat. Res. Coun. res. grant, 47-48; staff anthropologist, Govt. of Trust Territory of Pac. Islands, 53-54; grant, Tri-Inst. Pac. Prog, 55-56; Nat. Sci. Found. res. grant, 63. Consult, Govt. Am. Samoa, 55-56; Westinghouse Corp. Peace Corps training prog, 66. U.S.A.A.F. 42-45, Capt. AAAS; Anthropol. Asn; Ethnol. Soc; Polynesian Soc. Ethnology of Pacific and Micronesia. Publ: Loom-weaving in Micronesia, Southwest. J. Anthropol; Ponapean honorifics, an ethno-linguistic study, Am. Anthropologist; Caroline Islands script, Bull. Bur. Am. Ethnol. Address: Office of Anthropology, Smithsonian Institution, Washington, D.C. 20560.
- RIESENFELD, PROF. ALPHONSE, b. Mysłowitz, Germany, Nov. 30, 11; nat; m. 38; c. 1. ANTHROPOLOGY. Ph.D.(anthrop), Vienna, 37. Res. assoc. anthrop, Wenner-Gren Found. Anthropol. Res, 48-49; PROF. ANTHROP, HUNTER COL, 51- Res. assoc, Am. Mus. Natural Hist, 49-55; prof, Brooklyn Col, 51-58. Anthropol. Asn; Asn. Phys. Anthropol. Physical and experimental anthropology; archaeology. Publ: Megalithic culture of Melanesia; Bronze Age influence in the Pacific, Int. Arch. Ethnog; The effects of experimental bipedalism and upright posture in the rat and their significance for the study of human evolution, Acta Anatomica. Address: Dept. of Anthropology, Hunter College, 695 Park Ave, New York, N.Y. 10021.
- RIESMAN, PROF. DAVID, b. Sept. 22, 09; m. 36; c. 4. SOCIAL SCIENCE. A.B. Harvard, 31, LL.B. 34, fel, 34-35; LL.D. Marlboro Col, 54; LL.D. Grinnell Col, 57; Litt.D. Wesleyan, 60; LL.D. Sussex, 65. Law clerk, U.S. Supreme Court, 35-36; prof. law, Buffalo, 37-42; assoc. prof. SOC. SCI, Chicago, 46-47, prof, 49-58; Yale, 48-49; HENRY FORD II PROF, HARVARD, 58- Mem. nat. adv. coun, Peace Corps, 65- Sociol. Asn; Soc. Appl. Anthropol; Ethnol. Soc; Anthropol. Asn; Am. Acad. Arts & Sci; Am. Studies Asn. Publ: Faces in the crowd; Abundance for what? and other essays, 64 & co-auth, The academic revolution, 68, Doubleday. Address: Dept. of Social Sciences, 280 William James Hall, Harvard University, Cambridge, Mass. 02138.
- RIESS, PROF. ANITA P, b. Hamburg, Germany; nat. PSYCHOLOGY, PHILOSOPHY. Ph.D.(philos), Marburg, 17. Teacher, seminar, Hamburg, Germany, 26-33; lectr, ed, Wellesley Col, 39-41; Smith Col, 42-44; Instr. PSYCHOL. & ED, Penn Col.(Iowa), 44-46; prof, BRIDGEPORT, 47-59, EMER. PROF, 59- Carnegie grant, 58-60. Psychol. Asn. Education; philosophy; history of mathematics; development of number concept in primitive societies and children; application of research in these fields to the teaching of elementary mathematics. Publ: Numbers we see; So these are fractions; New rationale for the teaching of fractions, Harvard Ed. Rev. Address: 114 Virginia Ave, Bridgeport, Conn. 06610.
- RIESS, DR. BERNARD F(RANK), b. New York, N.Y, Apr. 28, 07; m. 33; c. 2. PSYCHOLOGY. A.B. City Col. New York, 27, M.S. 29; Ph.D.(psychol), Columbia, 33. Instr. psychol, Hunter Col, 28-38, asst. prof, 38-48, assoc. prof, 48-52; SR. PSYCHOLOGIST PRFNL. BD, DIR. RES. & CHMN. DEPT, POST-GRAD. CENTER MENT. HEALTH, New York, N.Y., 55- Soc. Sci. Res. Coun. grant-in-aid, 39; N.Y. Zool. Soc. fel, 47, 48; Guggenheim fel, 47-48; Am. Acad. Arts & Sci. grant-in-aid, 48-49; res. assoc, Am. Mus. Nat. Hist, 48- AAAS; fel. Psychol. Asn; Orthopsychiat. Asn. Comparative psychology; psychopathology; psychotherapy. Publ: Co-auth. Progress in clinical psychology, Grune, 64. Address: 135 Cushman Rd, Scarsdale, N.Y. 10583.
- RIESS, PROF. RICHARD O, b. Rochester, N.Y, Jan. 8, 28; m. 57; c. 1. GEOGRAPHY. B.A. Rochester, 51; M.A. Columbia, 55; Syracuse & Boston Univs, Nat. Sci. Found. fel, McGill & Fulbright fel, Brazil, 55-65; Nat. Sci. Found. fel, Clark, 66-67, Nat. Defense Ed. Act fel, 67-68. Teacher, high sch, N.Y., 55-56; instr. geog. & hist, West. Conn. State Col, 56-58; res. assoc. Arctic geog, Columbia, 58-59; instr. GEOG, MASS. STATE COL. SALEM, 59-62, asst. prof, 62-66, ASSOC. PROF, 66- U.S.A. 46-48, Sgt. AAAS; Asn. Am. Geog; Am. Geog. Soc; Regional Sci. Asn; Soc. Hist. Discoveries; Nat. Coun. Geog. Ed; Can. Asn. Geog. Pioneer settlement in Latin America; central place theory; diffusion; New England economy; peasant agriculture in the Caribbean. Publ: Massachusetts; New England, In: New book of knowledge, 66; The Middle East: the problem of geographic terminology, J. Geog, 68. Address: 164 Pleasant St, Marblehead, Mass. 01945.
- RIESSMAN, PROF. FRANK, b. New York, N.Y, Apr. 9, 24; m. 60; c. 3. PSYCHOLOGY. B.S.S. City Col. New York, 44; univ. fel, Columbia, 46, Soc. Sci. Res. Coun. fel, 47, M.A. 52, Ph.D. 55. Lectr. psychol, Vassar Col, 50-51; ed, City Col. New York, 51-55; assoc. prof. psychol. & chmn. dept, Bard Col, 55-64; assoc. prof, Albert Einstein Col. Med, 64-66; PROF. ED. SOCIOLOGY, N.Y. UNIV, 66- Vis. prof, col. physicians & surgeons, Columbia, 61-62; Nat. Inst. Ment. Health res. grant, 61-62. Ed, J. Soc. Issues, 49. Social psychology; psychology of the worker and of learning. Publ: Co-auth, Mental health of the poor, 44 & New careers for the poor, 65, Macmillan; Social class and social policy, Basic Books, 67. Address: 3130 Arlington Ave, Riverdale, N.Y. 10463.
- RIETHMAYER, PROF. LEO C(ARL), b. Bloomington, Calif, June 2, 10; m. 35; c. 1. PUBLIC ADMINISTRATION. B.A. Tex. Tech. Col, 34, M.A. 36; Texas, 37-38; Ph.D.(polit. sci), Iowa, 42. Mem. faculty, dept. govt, Tex. Tech. Col, 38-46; PROF. POLIT. SCI, COLORADO, 46-; DIR. INST. PUB. ADMIN, 67-; chmn. dept. polit. sci, 46-63, dir. grad. prog. pub. admin, 46-67, dir. bur. govt. res. & serv, 60-65. Vis. prof, Univ. Michigan-U.S. For. Oper. Admin, Philippines, 54-55; Baruch Sch, City Col. New York, 63-64; summer vis. prof, Southern California, 59, California, Los Angeles, 61. Specialist, govt. div, U.S. Bur. Census, 43; analyst, civilian personnel div, Off. Secy. War, 44; secy, State Bldg. Code Serv, Colo, 47-52; mayor, City of Boulder, Colo, 56-60. Consult, bur. state & community serv, Colorado, 46-58. Mem. nat. defense exec. rev. off. emergency planning, Exec. Off. of President, U.S. Govt, 61-; cmn. judicial qualifications, State of Colo, 67- Polit. Sci. Asn; Soc. Pub. Admin; Int. City Mgr. Asn; Pub. Personnel Asn. Municipal-metropolitan government; state government and administration; national government and administration. Publ: Co-auth, Public administration in the Philippines, County government across the nation & Administrative reorganization in Colorado. Address: Institute of Public Administration, University of Colorado, Boulder, Colo. 80302.
- RIFE, DR. D(AVID) C(ECIL), Genetics, see 11th ed, Phys. & Biol. Vols.
- RIFE, PROF. S(TANLEY) MARVIN, b. Cheshire, Ohio, Aug. 12, 11; m. 34; c. 2. PSYCHOLOGY. B.A. Wisconsin, 34; M.A. Northwestern, 39; Ph.D. (human develop), Chicago, 51. Lectr. ed. & guid, Northwestern, 40-42; asst. prof. ed, Wisconsin, 47-52; dir. camping & res, fresh air fund, Herald Tribune, 52-55; assoc. prof. ED. & PSYCHOL, RHODE ISLAND, 55-59, PROF, 59- Vis. prof, Boston, 61-62; vis. prof. & Inst. Int. Studies grant, U.S. Agency Int. Develop. & Columbia Univ, Kabul, Afghanistan, 66-68. U.S.N.R, 43-46, Lt. Personnel & Guid. Asn; Psychol. Asn. Personnel and guidance services, public schools and colleges; recreation and community relations; faculty advisement programs, college. Publ: Study of recreation in metropolitan Madison, Wisconsin; Individual facility preferences for a war memorial center; co-auth, The school counselor, R.I. Personnel & Guid. Asn, 65. Address: R.F.D. West Kingston, R.I. 02892.
- RIGBY, PROF. GERALD, b. Shreveport, La. Sept. 26, 28; m. 57; c. 2. POLITICAL SCIENCE. B.A. La. State, 50, M.A. 52; grant, California, Los Angeles, 58, Charles Fletcher Scott fel, 58-59, Am. Polit. Sci. Asn. Congressional fel, 59-60, Ph.D. 60. Asst. bur. govt. res, La. State, 50-51; res. analyst, Pub. Affairs Res. Coun, Inc, La. 51-52; res. assoc, State Legis. Coun, 52-53; asst. prof. polit. sci, Wyoming, 60-62; assoc. prof, Southern California, 62-68; PROF. GOVT. & CHMN. DEPT, CALIF. STATE POLY-TECH. COL, 68- U.S.A. 53-56. Polit. Sci. Asn. Interrelationship between law and politics; political implications of legal decisions in specific cases of community implementation of court-pronounced law. Address: Dept. of Government, California State Polytechnic College, Pomona, Calif. 91766.
- RIGBY, PROF. MARILYN K(RAUS), b. Hammond, Ind, Jan. 12, 27; m. 48. PSYCHOLOGY. A.B. Indiana, 48; M.S. & Ph.D. Pittsburgh, 51. Asst. & assoc. PSYCHOL, Am. Inst. Res, 49-51; res. assoc, St. Louis, 51-59, asst. prof, 55-59, assoc. prof, 59-65, PROF, 65-66, ROCKHURST COL, 66- Vis.

- scientist, Naval Med. Neuropsychiat. Res. Unit, San Diego, 64; lectr. Kansas, 66. Consult, Georgetown Univ. 60-61; Jewish Hosp. of St. Louis, 61-62. Psychol. Asn. Learning and perception; animal behavior and communication; belief structures. Publ: Co-auth, The clinical interview revisited, J. Clin. Psychol., 62, Influence of digit grouping on memory for telephone numbers, J. Appl. Psychol., 63 & Sex hormone replacement in the aged, J. Geront., 64. Address: Dept. of Psychology, Rockhurst College, 5225 Troost Ave, Kansas City, Mo. 64110.
- RIGBY, PROF. PAUL H(ERBERT), b. Humboldt, Ariz, Aug. 6, 24; m. 54. ECONOMICS, STATISTICS. B.B.A., Texas, 45, M.B.A., 48, fel. 49-51, Ph.D. (econ. statist. & acct), 52. Sr. price economist, regional off. Off. Price Stabilization, Wash, 51-52; asst. prof. mkt. & econ. & assoc. bur. res, Alabama, 52-54; assoc. prof. econ. & dir. bur. bus. res, Ga. State Col., 54-56; prof. econ. & dir. center res, Houston, 54-62; assoc. prof. bus. admin. & prog. dir. center res, Missouri, Columbia, 62-64; PROF. BUS. ADMIN. & STATIST. & DIR. CENTER RES, PA. STATE, 64- Fulbright grant, Nat. Univ. Mexico, summer, 62. V-pres, Assoc. Univ. Burs. Bus. & Econ. Res, 66-67, pres, 67-68. U.S.A. 45-46. Econ. Asn; Inst. Mgt. Sci; Statist. Asn. Management science; managerial economics. Publ: Conceptual foundations of business research, Wiley, 65; Theory and economic analysis for business management, Univ. Missouri, 65; Models in business analysis, C.E. Merrill, (in press). Address: Center for Research, 229 Boucke Bldg, Pennsylvania State University, University Park, Pa. 16802.
- RIGBY, DR. WILBUR K(IRBERG), b. Ness City, Kans, Sept. 25, 21; m. 48. PSYCHOLOGY. A.B., Indiana, 47, M.A., 48; Ph.D.(psychol), Pittsburgh, 51. Psychologist, hosp. Vet. Admin. Jefferson Barracks, 51-56, chief psychol. 64-65, hosp. St. Louis, 56-60, area chief of psychol, area off. St. Louis, 60-64; PSYCHOL. CONSULT, NAT. INST. MENT. HEALTH, KANSAS CITY, MO, 65- Res. assoc. grad. sch. Washington (St. Louis), 60-65. AAAS; Psychol. Asn; Int. Coun. Psychol. Personality development and evaluation; psychotherapy; training; community mental health. Publ: Approach and avoidance gradients and conflict behavior in a predominantly temporal situation, J. Comp. & Physiol. Psychol.; Reinforcement and frequency as factors in tachistoscopic thresholds, Perceptual & Motor Skills. Address: 440 E. 64th Terr, Kansas City, Mo. 64131.
- RIGG, PROF. MELVIN G(ILLISON), b. Eureka, Kans, Oct. 20, 95; m. 22; c. 2. PSYCHOLOGY. A.B., Baker, 16; Cornell, 16-17; Harrison fel, Pennsylvania, 17-18, 19-20, A.M., 19, Ph.D.(philos), 20; Ph.D.(psychol), Ohio State, 29. Asst. prof. psychol. & ed, Oklahoma City Col., 20-22; teacher, high sch, Mo, 22-23; from asst. prof. to prof. philos, psychol. & ed, Kenyon Col., 23-37; from asst. prof. to prof. psychol, Okla. Agr. & Mech. Col., 37-49; prof. psychol. & chmn. dept. & dir. personnel, New Mexico Highlands, 49-52; prof. PSYCHOL. & PHILOS. & chmn. dept. WIS. STATE, EAU CLAIRE, 52-66. EMER. PROF., 66- Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.A. 42-45, Capt. Fel. Psychol. Asn. Psychology of music and poetry, especially the features of music producing emotional effects. Publ: Relative variability in intelligence of boys and girls, J. Genetic Psychol.; Relation of college achievement tests to grades and to intelligence & Favorable versus unfavorable propaganda in the enjoyment of music, J. Exp. Psychol. Address: 1724 Coolidge Court, Eau Claire, Wis. 54701.
- RIGGAN, DR. WILSON B(UTLER), b. Waverly, Va, Sept. 15, 14; m. 53; c. 2. AGRICULTURAL ECONOMICS. B.S., Va. Polytech, 50; Ph.D.(econ. & statist.), N.C. State, 66. Asst. agr. econ. N.C. State Col., 55-57, instr. 57-58; asst. prof. agr. econ. & economet. Florida, 58-64; suprvy. statistician, biomet. unit, ecol. res. sect. HEALTH EFFECTS RES. PROG, NAT. CENTER AIR POLLUTION CONTROL, 64-66, chief biomet. unit, 66-67, ASST. CHIEF, ECOL. RES. SECT., 67- U.S. Merchant Marine, 42-46. Statist. Asn; Agr. Econ. Asn; Economet. Soc; Biomet. Soc. Econometric models; adoption of innovations; forecast of demand of fertilizer; multiple demand for citrus, input-output analysis; statistical methodological techniques; epidemic models; vital statistics; public health. Address: Ecology Research Section, Health Effects Research Program, National Center for Air Pollution Control, 411 W. Chapel Hill St, Durham, N.C. 27701.
- RIGGLEMAN, DR. JOHN R(ANDOLPH), b. Deloit, Iowa, Mar. 29, 95; m. 20; c. 3. ECONOMICS, STATISTICS. A.B., Cornell Col., 18; M.B.A., Harvard, 20; Ph.D., Hopkins, 34. Instr. statist. Harvard, 20-22; asst. prof. commerce, Southern California, 22-25; econ. California, Los Angeles, 25-29; sr. economist, div. bldg. & housing, U.S. Dept. Commerce, 29-33, mkt. analyst, 48-50; prin. statistician & asst. dep. adminstr, Nat. Recovery Admin., 33-35; sr. engr. & economist, U.S. Bur. Pub. Rds, 36-38; sr. economist, bur. agr. econ, U.S. Dept. Agr., 38-40; chief div. res. & anal. gen. land off. U.S. Dept. Interior, 40-41, suprv. bur. planning, use & protection, 41-48; economist, Off. Price Stabilization, 51-53; Cmn. For. Econ. Policy, 53-54; Fed. Trade Cmn, 54-61; CONSULT. ECON. & STATIST., D.C., 61- Consult. economist & statistician, Calif., 22-29. Econ. Asn; Statist. Asn; Mkt. Asn. Business and building cycles; commodity markets. Publ: Building cycles since 1830; Problems in business statistics; co-auth, Business statistics. Address: Pindell Station, Lethian, Md. 20820.
- RIGGS, DR. FLETCHER E(UGENE), b. Kansas City, Mo, Dec. 21, 23; m. 44; c. 4. ECONOMICS, PUBLIC ADMINISTRATION. B.S., Kansas State, 48, M.S., 49; Soc. Sci. Res. Coun. fel, Vanderbilt, 53-54, Ph.D., 57. Asst. prof. agr. econ, Kansas State, 51-56; agr. economist, Tenn. Valley Authority, 56-62, economist, tributary area develop, 62-64; AGR. ECON. ADV. AGENCY INT. DEVELOP, SEOUL, KOREA, 64- U.S.A. 42-46. Agr. Econ. Asn; Regional Sci. Asn. Economics and natural resource development; land, water and forage utilization; regional economic development; conservation. Publ: Co-ed, Economics of watershed planning; auth, Income levels in the Upper Tennessee Valley. Address: U.S. Operations Mission Korea R.D.D, APO / San Francisco 96301.
- RIGGS, PROF. FRED(ERICK) W(ARREN), b. Kuling, China, July 3, 17; U.S. citizen; m. 43; c. 2. POLITICAL SCIENCE. B.A., Illinois, 38; M.A., Fletcher Sch. Law, 41; Gilder fel. & Ph.D.(int. rels), Columbia, 48. Lectr. int. rels. City Col., New York, 47-48; res. assoc. for. policy, For. Policy Asn, 48-51; asst. to dir. N.Y. Off. Pub. Admin. Clearing House, 51-55; asst. prof. int. rels. & comp. & pub. admin, Yale, 55-56; assoc. prof. comp. admin, Indiana, 56-60, prof. 60-62; sr. specialist, East West Center, Univ. Hawaii, 62-63; vis. prof. comp. admin, Mass. Inst. Tech., 65-66; PROF. COMP. PUB. ADMIN, HAWAII & POLIT. SCIENTIST, SOC. SCI. RES. INST., 67- Soc. Sci. Res. Coun. fel, Thailand, 57-58; vis. prof. Philippines, 58-59; fel, center adv. study behav. sci, Stanford, 66-67. Polit. Sci. Asn; Soc. Pub. Admin; Asn. Asian Studies. Comparative administration and government. Publ: Ecology of public administration; Administration in developing countries: the theory of prismatic society, Houghton, 64 & Korean ed, 66; Thailand: the modernization of a bureaucratic polity, East-West, 66. Address: Dept. of Political Science, University of Hawaii, Honolulu, Hawaii 96822.
- RIGGS, DR. JAMES LEAR, Indust. Eng, see 11th ed, Phys. & Biol. Vols.
- RIGGS, DEAN LAWRENCE (ALBERT), b. Vancouver, Wash, Apr. 10, 10; m. 38; c. 4. PERSONNEL ADMINISTRATION. A.B., California, 32; M.A., Columbia, 37, Ed.D., 41. Assoc. ed, Hopkins, 39-44; prof. ed. & chmn. dept, Willamette, 44-48, dean students, 46-48; DePauw, 48-67; PROF. PSYCHOL. & DEAN STUDENTS, COL. WOOSTER, 67- Psychologist, Child Study Center, Md, 43-44; Marion County Health Dept, Ore, 46-48; lectr, Wilson Teachers Col., D.C., 41; chmn, Salem Coun. Soc. Agencies, Ore, 46-48. Consult. inst. higher ed, bd. ed, Methodist Church, 55, 56, 60. Dipl. Am. Bd. Exam. Prfnl. Psychol. Psychol. Asn. Student personnel services in church related colleges; adjustment problems of college students. Address: 1715 Morgan St, Wooster, Ohio 44691.
- RIGGS, PROF. LORRIN A(NDREWS), Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.
- RIGGS, DR. ROBERT E(DWON), b. Mesa, Ariz, June 24, 27; m. 49; c. 6. POLITICAL SCIENCE. B.A., Arizona, 52, M.A., 53, LL.B., 63; Rotary Found. fel, Oxford, 52-53; Garner fel, Illinois, 53-54, 54-55, Ph.D., 55. Instr. polit. sci, Brigham Young, 55-57, asst. prof, 57-60; res. assoc. bur. bus. & pub. res, Arizona, 60-63; attorney, Riggs & Riggs Law Firm, Ariz, 63-64; assoc. prof. POLIT. SCI. MINNESOTA. MINNEAPOLIS, 64-68, PROF. 68- Rockefeller res. fel, Columbia, 57-58; summer, Ford Found. fel, Emory, 57. U.S.A. 45-47. Polit. Sci. Asn; Int. Studies Asn. International relations and organization. Publ: Politics in the United Nations; co-auth, Forging world order, Macmillan, 67; auth, The movement for administrative reorganization in Arizona. Address: Dept. of Political Science, University of Minnesota, Minneapolis, Minn. 55455.
- RIGHTMYER, DR. NELSON, Church Hist, Ed, see 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- RIGHTOR, C(HESTER) E(DWARD), b. Rockford, Ill, July 7, 84; m. 16; c. 2. FINANCE. A.B., Wisconsin, 09. Mem. staff, State R.R. Cmn, Wis, 09-10; Ernest Reckitt & Co, Ill, 10-11; training sch. pub. serv. Bur. Munic. Res. N.Y. 11-12, bur. expert accts, City Controller's Off., 12-13; Standard Oil Co, Thailand, 13-14; from acct. to dir. Bur. Res. Ohio, 14-17; mem. staff, U.S. Bur. Efficiency, 18; chief acct, Bur. Govt. Res. Mich, 18-33; city controller, 32-33; dir. surv. cmn, N.J. & consult, State Munic. Finance Cmn, 34; financial analyst, munic. serv. dept, Dun & Bradstreet, Inc, N.Y. 35-36; chief div. state & local govt, bur. census, U.S. Dept. Commerce, 36-43; mem. staff, U.S. Bur. Budget, 43-49, surv. statistician, 49-54; financial consult. Cmt. Study Revenue Bond Financing, 55-66; RETIRED. Lectr, Michigan, 22-33. Nat. Munic. League; Govt. Res. Asn. Publ: Federal grants-in-aid; Tax rates; Bonded debt of cities. Address: 2102 Stanley Ave, Rockville, Md. 20851.
- RIGLER, DR. DAVID, b. Brooklyn, N.Y., Apr. 9, 21; m. 48; c. 3. PSYCHOLOGY. A.B., Ohio, 49; M.A., Michigan, 52, Ph.D., 56. Psychologist, bur. psychol. serv, Michigan, 53-55; res. psychologist, Childrens Hosp, Phila, Pa, 55-59; sr. psychologist, child res. coun. sch. med, Colorado, 59-66; TRAINING SPECIALIST PSYCHOL, NAT. INST. MENT. HEALTH, 66- Vis. lectr, Bryn Mawr Col, 58-59; adj. assoc. prof, Denver, 62-66. Res. dir. Child Guid. Clin, 57-59. U.S.N.R., 44-46. Psychol. Asn; Soc. Res. Child Develop; Orthopsychiat. Asn. Longitudinal study of personality development; parent-child relations; psychotherapy with children and adults; psychophysiology. Address: National Institute of Mental Health, 5454 Wisconsin Ave, Chevy Chase, Md. 20203.
- RIGSBY, DR. BRUCE JOSEPH, b. Louisville, Ky, Nov. 28, 37; m. 59; c. 2. ANTHROPOLOGY. B.A., Louisville, 61; Nat. Defense Ed. Act fel. & Ph.D. (anthrop), Oregon, 65. Instr. ANTHROP, Portland State Col., 63; lectr, Toronto, 64-65, ASST. PROF, 65-66; NEW MEXICO, 66- U.S.A.F. 56-58. Anthropol. Asn; Folklore Soc; Ethnol. Soc. Linguistic and ethnographic research among the Sahaptian-speaking and Tsimshian-speaking peoples of the Pacific Northwest. Address: Dept. of Anthropology, University of New Mexico, Albuquerque, N.Mex. 87106.
- RIKER, PROF. WILLIAM H. b. Iowa, Sept. 22, 20; m. 42; c. 4. POLITICAL SCIENCE. A.B., DePauw, 42; fel, Harvard, 45-48, Ph.D. 48. Tutor, Harvard, 45-48; asst. prof. govt, Lawrence Col, 48-50, assoc. prof, 50-58, prof. 58-62; PROF. POLIT. SCI. & CHMN. DEPT, ROCHESTER, 62- Fel. Center Adv. Study Behav. Sci, 60-61. Polit. Sci. Asn. American government; positive political theory; federalism. Publ: Democracy in the United States: The theory of political coalitions, Yale, 62; Federalism, Little, 64. Address: 75 Windemere Rd, Rochester, N.Y. 14610.
- RIKLAN, DR. MANUEL, b. Brooklyn, N.Y., Aug. 11, 26; m. 55. PSYCHOLOGY. B.A., N.Y. Univ., 49, Ph.D.(psychol), 56. CLIN. & RES. PSYCHOLOGIST, ST. BARNABAS HOSP, BRONX, 54- Instr, Lehman Col, 66- U.S.A.A.F. 45. Psychol. Asn. Brain-behavior relations; higher integrative functions; psychological aspects of neurological disease. Publ: Co-auth, Subcortical correlates of human behavior, Williams & Wilkins, 68, Psychological studies in Parkinsonism: effects of subcortical surgery, J. Geront, 66 & Psychological effects of bilateral subcortical surgery for Parkinson's disease, J. Nerv. & Ment. Disease, 66. Address: 201 Rosedale Rd, Yonkers, N.Y. 10710.
- RILAND, DR. LANE H(ESSER), b. Pottsville, Pa, Apr. 29, 30; m. 55; c. 2. INDUSTRIAL PSYCHOLOGY. B.A., Pa. State, 51, Ph.D.(psychol), 58; M.A.,

- Temple, 53. Asst. PSYCHOL. SERV. EASTMAN KODAK CO, 57-59, indust. psychologist, 59-64, PSYCHOL. CONSULT, 64- Lectr, Rochester Inst. Tech, 58-63; lectr, Rochester, 63-67, sr. lectr, 67- U.S.A., 53-55. Psychol. Asn. Application of psychology in industry. Publ: Relationship of the Guttmann components of attitude intensity and personal involvement, J. Appl. Psychol; co-auth, Relevance of behavioral science research to industrial engineering, J. Indust. Eng, 11/66. Address: 41 Thorntree Circle, Penfield, N.Y. 14526.
- RILEY, PROF. BOB COWLEY, b. Little Rock, Ark, Sept. 18, 24; m. 56; c. 1. POLITICAL SCIENCE, HISTORY. B.A. Arkansas, 50, M.A., 51, Ed.D.(ed. & polit. sci), 57. Instr. polit. sci, Little Rock, 51-55; assoc. prof. hist. & polit. sci, OUACHITA BAPTIST, 57-58, PROF. POLIT. SCI, 58- Consult, Nat. Prog. for Col. Prep. of Blind Students, 64-66; Off. Econ. Opportunity, 66- U.S.M.C. 41-45. Address: Ouachita Hills, Arkadelphia, Ark. 71923.
- RILEY, PROF. CARROLL L(AVERNE), b. Summersville, Mo, Apr. 18, 23; m. 48; c. 3. ANTHROPOLOGY. B.A. New Mexico, 48, fel. 49-52, Ph.D.(anthrop), 52; M.A., California, Los Angeles, 50; Soc. Sci. Res. Coun. grant, S.Am. 50-51. Anthropologist, lands div, U.S. Dept. Justice, 52-55; instr. ANTHROP, Colorado, 53-54; asst. prof, North Carolina, 54-55; SOUTHERN ILLINOIS, 55-60, assoc. prof, 60-67, PROF, 67-, curator phys. anthrop. mus, 55-61. U.S. Pub. Health Serv. grants, 57-58, 58-59, 60-63; Am. Philos. Soc. grant, 59-60; Am. Coun. Learned Soc. grant-in-aid, 65-66. Consult, lands div, U.S. Dept. Justice, 52- Co-ed, Bandelier Southwest J. U.S.A.A.F., 42-45, Sgt. Fel. AAAS; fel. Am. Anthropol. Asn; Soc. Am. Archaeol; Asn. Phys. Anthropol; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Ethnology and archaeology of South America, Mesoamerica, and Southwest United States; comparative study of early civilizations; ethnology of the Northwest Coast and Europe; iron-age prehistory of Ireland. Publ: Co-auth, Southwest journals of Adolph Bandelier, 1880-1882, Univ. New Mexico, 66; American historical anthropology, 67 & The origins of civilization, (in press), Southern Ill. Univ. Address: Dept. of Anthropology, Southern Illinois University, Carbondale, Ill. 62901.
- RILEY, DONALD C(ROCKETT), b. Celina, Ohio, Apr. 23, 05; m. 30; c. 1. STATISTICS. B.S. Col. Wooster, 27; M.A., Princeton, 28; Harvard, 31-32. Instr. econ, Union Col, 28-31; prof, Huron Col, 33-34; mem. staff, cent. statist. bd. & off. statist. standards, U.S. Bur. Budget, 34-56, dep. chief, Off. Statist. Standards, 46-59, spec. asst. 59-66; secy-treas. & exec. dir, AM. STATIST. ASN, 55-68, CONSULT, 68- Consult, Off. Statist. Standards, U.S. Bur. Budget, 66- Mem. Inter-Am. Statist. Inst. AAAS; fel. Am. Statist. Asn; Soc. Qual. Control; Soc. Pub. Admin; Economet. Soc; Biomet. Soc; Econ. Asn; fel. Royal Statist. Soc. Statistical organization; international statistical organization and policy. Publ: Report of advisory committee on social scientists and economists; Coordination of national and international statistical requirements in the United States; co-auth, Report on the statistical system of Puerto Rico. Address: American Statistical Association, 810 18th St. N.W., Washington, D.C. 20006.
- RILEY, PROF. FRANK A(LOYSIUS), Econ, see 10th ed, Soc. & Behav. Vols, deceased 63.
- RILEY, DR. G(ORDON) L(EE), Psychol, see 10th ed, Soc. & Behav. Vols.
- RILEY, PROF. HAROLD M(ARVIN), b. Holton, Kans, Nov. 13, 22; m. 44; c. 2. AGRICULTURAL ECONOMICS. B.S. Kans. State Col, 47, M.S., 48; Ph.D. Mich. State, 54. Asst. AGR. ECON, Kans. State Col, 47-48, instr, 48-49, asst. prof, 49-51; asst. MICH. STATE, 51-52, instr, 53, asst. prof, 54-57, assoc. prof, 57-60, PROF, 60-, ASSOC. DIR, INST. INT. AGR, 67- Mem. for assignment, Colombian Proj, 60-62. U.S.A., 43-46, Res, 46-60, Capt. Am. Agr. Econ. Asn; Int. Asn. Agr. Econ. Economic development of Latin America; agricultural marketing; marketing research activities in Puerto Rico and Brazil. Address: Dept. of Agricultural Economics, Michigan State University, East Lansing, Mich. 48823.
- RILEY, H(ERSEY) E(RNEST), b. Stafford Co, Kans, Sept. 12, 06. ECONOMICS. A.B. Kansas, 31. Asst. Chicago, 31-33; dep. assessor, Cook Co, Ill, 33-34; economist, U.S. Bur. Labor Statist, 34-41, asst. chief indust. rels. div, 41-42; chief rev. & anal. sect, War Labor Bd, 42-43; prog. br, off. manpower, War Prod. Bd, 43-45; chief div. construct. statist, U.S. Bur. Labor Statist, 45-55, div. prices & cost living, 55-59, chief statistician, int. labor off, 59-65; HEAD OFF. ECON. & MANPOWER STUDIES, NAT. SCI. FOUND, 65- AAAS; Econ. Asn. Statist. Asn. Wages and hours of labor; construction and price statistics; manpower. Address: 5512 Trent St, Chevy Chase, Md. 20015.
- RILEY, DR. JOHN WINCHELL, b. Brunswick, Maine, June 10, 08; m. 19; c. 2. SOCIOLOGY. A.B. Bowdoin Col, 30; M.A. Harvard, 33, Ph.D. 36. Prof. sociol, Marietta Col, 33-35; Wellesley Col, 35-37; prof. & chmn. dept, Rutgers, 37-60; v-pres. & dir. soc. res, EQUITABLE LIFE ASSURANCE SOC, 60-68, V.PRES. CORP. RELS, 68- Consult, Mkt. Res. Co. Am, 46-49; Columbia Broadcasting Syst, 47-51; v.chmn. adv. panel spec. ops. res. div, U.S. Dept. Defense, 57-58. Civilian with U.S.A., 44-45; U.S.A.F. 50-51. Sociol. Am.(secy, 49-54); Sociol. Res. Asn.(pres. elect, 62-63); Asn. Pub. Opinion Res.(pres, 61-62). Sociological research methods; sociology of mass communications. Publ: Reds take a city; Sociological studies in scale analysis; The corporation and its publics, Wiley, 63. Address: Equitable Life Assurance Society, 1285 Ave. of the Americas, New York, N.Y. 10019.
- RILEY, PROF. MARVIN, b. Concordia, Kans, Aug. 29, 18; m. 42; c. 1. SOCIOLOGY. B.S. Northwestern, 42; Wisconsin, 45-47; A.M. Missouri, 49, Ph.D. 68. Instr. sociol, Missouri, 47-50; PROF. RURAL SOCIOLOGY, S.DAK. STATE, 50- U.S.A.A.F. 42-45, 2nd Lt. Sociol. Asn. Population problems; ethnic groups; social change. Publ: South Dakota's population; The Hutterite brethren; Intergroup relations. Address: Dept. of Rural Sociology, South Dakota State University, Brookings, S.Dak. 57006.
- RILEY, PROF. MATILDA WHITE, b. Boston, Mass, Apr. 19, 11; m. 31; c. 2. SOCIOLOGY. A.B. Radcliffe, 31, M.A., 37. Res. asst. sociol, Harvard, 31-33; v-pres. res, Mkt. Res. Co. Am, 39-49; PROF. SOCIOLOGY, RUTGERS, 43-45; Res. prof, N.Y. Univ, 54-60; summer lectr, Harvard, 55; dir. aging & soc. proj, Russell Sage Found. Chief consult, War Prod. Bd, 41-43. Fel. Sociol. Asn.(exec. officer, 50-59); Asn. Pub. Opinion Res.(secy-treas, 49); Sociol. Res. Asn. Research methods in sociology; sociology of the family; adolescent socialization and communications. Publ: New product development; Sociological studies in scale analysis; Sociological research, 2 vols, Harcourt, 65. Address: Dept. of Sociology, Rutgers, The State University, New Brunswick, N.J. 08903.
- RILEY, MELITA H(OLLY), b. Joplin, Mo, Sept. 12, 09; m. 46; c. 1. STATISTICS. B.A., Wellesley Col, 32; M.A., Michigan, 34. Instr. Math. private sec. schs, & Wellesley Col, 34-40; mathematician & admin. asst, Naval Ord. Lab, 41-45; statistician, U.S. Bur. Labor Statist, 45-46; chief statist. res, STATIST. OFF, UN, 46-58, CONSULT, 56- Meritorious Civilian Serv. award, U.S.N., 45. Statist. Asn; Math. Soc. Economic statistics. Address: 1171 Valley Rd, New Canaan, Conn. 06840.
- RILEY, PROF. ROBERT C(HARLES), b. Wilkes-Barre, Pa, Sept. 11, 21; m. 51; c. 1. CLINICAL PSYCHOLOGY. B.A., Wilkes Col, 48; Western Reserve, 48-51; Ph.D., Pa. State, 61. Instr. PSYCHOL, WILKES COL, 49-52, asst. prof, 53-62, PROF, 62-, CHMN. DEPT, 53-, voc. counsr, Vet. Admin, 49-50. Intern, Child Psychiat. & Guid. Center, Scranton, Pa. 51; Vet. Admin. contract counselor, 63- Testing consult, Personnel Lab, Inc. Conn. Nat. League Nursing, Inc. N.Y. & Personnel Assocs, Inc, Iowa, 61- Psychol. Asn. Teaching of psychology; conduct of psychotherapy, vocational guidance and counseling; personality theory and psychotherapy research. Address: Dept. of Psychology, Wilkes College, Wilkes-Barre, Pa. 18702.
- RILEY, DR. ROBERT C(OONS), b. Waynesboro, Pa, Apr. 14, 21. ECONOMICS. BUSINESS ADMINISTRATION. B.S. Shippensburg State Col, 41; M.S. Columbia, 47; Ph.D., N.Y. Univ, 62. Asst. prof. econ, Gettysburg Col, 47-51; assoc. prof. econ. & bus. admin. & chmn. dept, LEBANON VALLEY COL, 51-62, DIR. SOC. SCI. DIV, 61-, PROF. ECON. & BUS. ADMIN. & CONTROLLER, 62-, V.PRES, 66- Lectr, N.Y. Univ, 58-59, summers, 59-62; Pa. State, 55. Consult, bur. sales & use tax, dept. revenue, Commonwealth of Pa, 58. U.S.A.F., 43-46, Res, 46-, Lt. Col. Econ. Asn; Am. Acct. Asn; Nat. Asn. Acct. Publ: Contrib. Money & Banking; Public finance; Principles of accounting. Address: Ridge Rd, R.D. 1, Annville, Pa. 17003.
- RILEY, DR. RODERICK H(AMILTON), b. Antigo, Wis, Aug. 11, 08; m. 36; c. 3. POLITICAL ECONOMY. B.A., Wisconsin, 30, M.A., 32, Ph.D. 59; Inst. Int. Ed. exchange fel, Univ. Muenster, Germany, 30-31. Asst. Senator Robert M. La Follette, Jr, 33-34; economist, consumers adv. bd, Nat. Recovery Admin, 35; asst. prof. econ, Texas, 35-36; asst. Congressman Thomas R. Amble, 37-38; state coordinator res. proj, Works Progress Admin, Wis, 38; asst. prof. econ, Cincinnati, 38-39; economist, Off. Secy, U.S. Dept. Commerce, 39-41, asst. to Secy, 48-51; dir. res. Off. Price Admin, 41-47; economist, Nat. Planning Asn, 47-48; int. economist, U.S. Dept. State, 51-52; econ. adv. Small Defense Plants Admin, 52-53; consult. economist, Milwaukee, Wis, 54-58; exec. dir, joint econ. cmt, U.S. Cong, 58-60; econ. adv, U.S. Info. Agency, 60-62; ASST. TO CMNR. & ECON. ADV. BUR. INDIAN AFFAIRS, U.S. DEPT. INTERIOR, 62- Lectr, resource use seminar, Univ. Wisconsin, 65 & nat. planning seminar, Syracuse, 68. Am. Econ. Asn; Royal Econ. Soc. Economic policy and history; financial history. Publ: Bonding period in federal taxation of distilled spirits; co-auth, Effects of strategic bombing on the German war economy; Potential for expansion of national security programs: study of economic feasibility. Address: 7021 Richard Dr, Bethesda, Md. 20034.
- RILL, DR. HERBERT J(ULIUS), b. Fitchburg, Mass, Aug. 9, 22; m. 46. CLINICAL PSYCHOLOGY. A.B. Boston, 50; M.A. Temple, 53, Ph.D. 59. Staff psychologist, Phila. State Hosp, 53-66; CHIEF DEPT. PSYCHOL. NORTHWEST. MENT. HEALTH CENTER, PHILA. & DIR. DEPT. PSYCHOL. FEASTERVILLE EVAL. CENTER, PA. 66- Psychol. consult, Eugenia Hosp. Whitmarsh, Pa, 65-; Nazareth Hosp, Phila. & Ridge Crest Convalescent Center, Feasterville, 67- U.S.A., 40-42; U.S.N.A.F. 43-45. Psychol. Asn; Group Psychother. Asn. Individual and group psychotherapy; projective and intelligence testing. Address: 57 Schoolhouse Rd, Churchville, Pa. 18966.
- RIMA, PROF. INGRID H(AHNE), Econ, see 10th ed, Soc. & Behav. Vols.
- RIMEL, PROF. EVELYN G(ERTRUDE), b. Wibaux, Mont, Sept. 29, 11. PSYCHOLOGY. B.A., Montana State, 32, M.A., 33; Forrest fel, Syracuse, 50-52, Ph.D.(student personnel), 52. Dean students, Colo. Woman's Col, 53-55; from asst. prof. to assoc. prof. psychol, North. State Teachers Col, 55-60; Delta Kappa Gamma Int. grant, Merrill-Palmer Inst, 60-61; PROF. PSYCHOL, STOUT STATE, 61- Pres, W.Cent. Wis. Community Action Agency Inc. Consult, Head Start & Parent-Child Centers; Stout State sex ed. consult, schs. & parents; workshop consult, exten, Wisconsin, Milwaukee, 67-68. Follow-up of vocational intentions; guidance in the small high schools of the United States; study of drop-outs. Publ: What does it mean to be educated, Delta Kappa Gamma J, spring 67. Address: 327½ Main St, Menomonie, Wis. 54751.
- RIMERMAN, DR. MARVIN HOWARD, Radio & TV, Soc. Sci, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- RIMLAND, DR. BERNARD, b. Cleveland, Ohio, Nov. 15, 28; m. 51; c. 3. PSYCHOLOGY. B.A., San Diego State Col, 50, M.A., 51; fel, Pa. State, 51-53, Ph.D. 54. Asst. film res, Pa. State, 51-52; proj. dir, U.S. NAVAL PERSONNEL RES. ACTIVITY, 53-55, head, officer selection res. group, 56-62, DIR. PERSONNEL MEASUREMENT RES. DEPT, 62- Fel, Center Adv. Study Behav. Sci, 64-65. Dir, Inst. Child Behav. Res, 67- Mem. sci. adv. bd, Am. Schizophrenia Found, 64- Fel. Psychol. Asn; Nat. Coun. Measurement in Ed; Ed. Res. Asn; Nat. Soc. Autistic Children; Int. Coun. Psychol. Measurement methodology; statistics; cognitive theory, abnormal behavior, childhood psychosis; brain function. Publ: Infantile autism: the syndrome and its implications for a neural theory of behavior, Appleton, 64; Multi-dimensional scatter plotting, J. Appl. Psychol, 61; On the objective diagnosis of infantile autism, Paedopsychiatria, 68. Address: 4758 Edgeware Rd, San Diego, Calif. 92116.

- RIMLINGER, PROF. GASTON VICTOR, b. Strasbourg, France, Aug. 16, 26; nat; m. 51; c. 5. ECONOMICS, ECONOMIC HISTORY. B.A., Washington (Seattle), 51; Ph.D.(econ), California, 56. Interpreter, U.S. Mil. Govt, Germany, 45-47; asst. French, Washington (Seattle), 48-50; labor probs, inst. indust. rels, California, 51-55; instr. econ, Princeton, 55-57, asst. prof, 57-60, res. assoc. labor probs, indust. rels. sect, 55-60; assoc. prof. ECON, RICE, 60-64, HENRY FOX PROF. & CHMN. DEPT, 64- Inter-Univ. Study Labor Probs. Econ. Develop. res. grants, 55-60; vis. summer prof, Brookings Inst, 61; Ford Faculty fel, 63-64; Soc. Sci. Res. Coun. summer res. grant, 64. Consult, Choice, 64- Mem. bd. dir, Houston Voc. Guid. Serv, 64- Am. Econ. Asn; Econ. Hist. Asn; Asn. Evolutionary Econ; Econ. Hist. Soc, Brit. Labor problems in economic development; comparative development of social security systems. Publ: Autocracy and factory order in early Russian industrialization, J. Econ. Hist; Social security, incentives and controls in the U.S. and U.S.S.R, Comp. Studies Soc. & Hist; A theoretical integration of wages and social insurance, Quart. J. Econ, 8/63. Address: Dept. of Economics, Rice University, Houston, Tex. 77001.
- RIMOLDI, PROF. HORACIO J(OSE) A(MBROSIO), b. Buenos Aires, Argentina, Apr. 11, 13. PSYCHOLOGY. M.D., Buenos Aires, Argentina, 38; Brit. Coun. scholar, Oxford, 39-41; Frank's Fund fel, Chicago, 46-47, Guggenheim fel, 47-48, U.S. Pub. Health Serv. fel, 48-49, Ph.D., 49. Prof. psychol. & biol, Cuyo, 41-46, dir. & founder inst. exp. psychol, 42-46; prof. psychomet, inst. appl. psychol, Nat. Univ. Columbia, 49; psychol, Univ. of the Republic, Uruguay, 51-52, founder & dir. inst. psychol, 51-52; res. assoc, Ed. Testing Serv, N.J., 52-54; cmt. behav. sci. & exam. off, Univ. Chicago, 54-56; from assoc. prof. to PROF. PSYCHOL. & DIR. PSYCHOMET. LAB, LOYOLA (ILL), 55-, DIR. PARMLY HEARING INST, 67- U.S. Dept. State vis. prof, Chicago, 46-47. AAAS; Psychol. Asn; Psychomet. Soc; Inter-Am. Soc. Psychol; Ed. Res. Asn; Argentine Asn. Adv. Sci. Thinking and language; problem solving processes; psychometrics; problem solving and intelligence; personality. Publ: Thinking and language, Arch. Gen. Psychiat, 11/67; co-auth, Experimental considerations concerning category and magnitude scaling, Am. J. Psychol, 12/67; auth, Some effects of logical structure, language and age in problem solving in children, J. Genetic Psychol, 3/68. Address: Psychometric Lab, Loyola University, 6525 N. Sheridan Rd, Chicago, Ill. 60626.
- RINALDO, DR. JOHN B(EACH), b. Wheaton, Ill, Nov. 29, 12. ARCHAEOLOGY. A.B. Carleton Col, 34; M.A. Chicago, 38, Ph.D.(anthrop), 41. Jr. archaeologist, Nat. Park Serv. & Civilian Conserv. Corp, Ill, 37; asst. archaeol, Chicago Nat. Hist. Mus., 39-50, asst. curator, 50-60, assoc. curator, 60-63; ARCHAEOLOGIST, AMERIND FOUND, INC, 63- Prof. Cochise Col, 65-66. U.S.A., 41-45. Fel. Anthropol. Asn; Soc. Am. Archaeol. Archaeology of Southwestern United States and Northwestern Mexico; analysis of Anasazi culture change; casas grandes culture. Publ: An analysis of culture change in the Ackmen-Lowry area; Foote Canyon Pueblo, Eastern Arizona; co-auth, Chapters, In: Prehistory of Eastern Arizona, Chicago Natural Hist. Mus. Fieldiana: Anthropol. Vols. I & II, 62 & 64. Address: Amerind Foundation, Dragoon, Ariz. 85609.
- RINDER, PROF. IRWIN D(ANIEL), b. New York, N.Y., Dec. 20, 23; m. 45; c. 5. SOCIOLOGY. B.A., Idaho, 47; M.A., Chicago, 50, Ph.D.(sociol), 53. Instr. SOCIOL, Wisconsin, Milwaukee, 52-54, asst. prof, 55-56, assoc. prof, 56-59, prof, 59-68, chmn. dept, 61-68; PROF, MACALESTER COL, 68- U.S.A.A.F., 43-45. Sociol. Asn; Soc. Study Social Probs. Race and minority relations; social psychology and theory; psychiatric sociology. Address: Dept. of Sociology, Macalester College, St. Paul, Minn. 55101.
- RINEAR, E(ARL) H(ARMON), b. Brecksville, Ohio, Sept. 9, 92; m. 25; c. 2. AGRICULTURAL ECONOMICS. A.B. Oberlin College, 15; M.S. Wisconsin, 25. Mkt. specialist, New Hampshire, 27-36; assoc. prof. agr. econ. & assoc. agr. economist, Rutgers, 36-43; sr. bus. specialist, Off. Price Admin, 43-44; sr. mkt. specialist, U.S. Dept. Agr., 44-47; agr. economist, Rural Elec. Admin, 47; mkt. econ. res. div. U.S. Dept. Agr., 47-63; economist, Am. Sci. Corp, 64-66; CONSULT, GORDON JOHNSON CO, MO, 67- Economic studies of dairy and poultry marketing problems. Publ: Comparative accuracy of two methods of pricing turkeys & Hatchery industry, structure, economic changes, problems, Mkt. Res. Report, Agr. Mkt. Serv; co-auth, Costs and efficiency in turkey processing plants, Econ. Res. Serv. Bull. Address: 425 Grant Ave, Highland Park, N.J. 08904.
- RINEHART, PROF. JAMES R, b. Newberry, S.C., Dec. 8, 35; m. 55; c. 2. ECONOMICS. B.S. Newberry Col, 58; Du Pont fel, Virginia, 58-60, M.A., 60, Ford Found. grant & Ph.D.(econ), 62. Asst. prof. ECON, NEWBERRY COL, 61-64, assoc. prof, 64-68, PROF. & CHMN. DEPT, 68- Lutheran Church in Am. res. & creativity grant, 66-67. Participant, Gen. Elec. Inst. Univ. Virginia, summer, 63. Nat. Guard, 53-54. Econ. Asn. Local or community subsidies to industrial firms; nature of economic development in the southern states, especially in the post-Civil War period. Publ: Rates of return on municipal subsidies to industry, South. Econ. J., 4/63; co-auth, Exogenous checks on Southern economic development, South Atlantic Quart, autumn 66; Deflation, agriculture and Southern development, Agr. Hist, spring 68. Address: 1514 Magnolia Terrace, Newberry, S.C. 29108.
- RINEHART, DR. JAMES W, b. Delphos, Ohio, May 4, 33; m. 61; c. 4. SOCIOLOGY. B.A. Mich. State, 60, M.A., 61; Nat. Inst. Ment. Health fel. Nat. Insts. Health fel. & Ph.D.(sociol), Ohio State, 64. ASST. PROF. SOCIOL, WAYNE STATE, 64- U.S.A.F. 52-56. Sociol. Asn. Social psychology and epidemiology of mental illness; race relations; role relationships. Publ: Co-auth, The study of role conflict, Sociometry, 3/62 & Methodology of stereotype research, Soc. Forces, 5/65; auth, Mobility aspiration-achievement discrepancies and mental illness, Soc. Probs, spring 68. Address: Dept. of Sociology, Wayne State University, Detroit, Mich. 48202.
- RINFRET, DR. PIERRE A(NDRE), b. Montreal, Can, Feb. 1, 24; nat; m. 46; c. 2. ECONOMICS. B.S. N.Y. Univ., 48, M.B.A., 49; Fulbright fel, Dijon, France, 49-50, Dr. polit. econ, 50. Asst. v-pres, econ. dept, Lionel L. Edie & Co, Inc, 53-55, v-pres. & dir. econ. div, 59-67, bd. of dir, 61-67; PRES, RINFRET-BOSTON ASSOCS, INC, 67- Lectr, N.Y. Univ., 52-56, assoc. prof, 58. U.S.A., 43-45. Econ. Asn; Economet. Soc. Economic theory; history of economic thought; applied economics. Publ: A critical appraisal of Soviet economic growth statistics, San Diego Union; The profit in seasonal fluctuations, Syst. Mag; Changing population and changing demand, Financial Analysts J. Address: Rinfret-Boston Associates, Inc, 641 Lexington Ave, New York, N.Y. 10022.
- RING, PROF. ALFRED A, b. Beuthen, Germany, Jan. 25, 05; nat; m. 32; c. 2. ECONOMICS. B.S. N.Y. Univ., 42, M.B.A., 44, Ph.D., 47. Sr. estimator, Westchester Lighting Co, 32-42; instr, sch. commerce, N.Y. Univ., 43-47, lectr, grad. sch. commerce, 45-47; PROF. REAL ESTATE, FLORIDA, 47-, CHMN. DEPT. REAL ESTATE & URBAN LAND STUDIES, 60-, VALUATION CONSULT, UNIV, 66- Dean, Am. Inst. Appraisal Courses, Fla, 51-; summer lectr, Can. Inst. Cert. Appraisers, 65-67. Econ. Asn; Real Estate & Urban Econ. Asn; Nat. Asn. Real Estate Bds. Land and real estate economics; financing and mortgage investment; public utility economics. Publ: Valuation of real estate, 63, Real estate questions and practice problems, 67 & co-auth, Real estate principles and practices, 67, Prentice-Hall. Address: R.D. 3, Box 186 A-1, Millhopper Rd, Gainesville, Fla. 32601.
- RING, DR. KENNETH, b. San Francisco, Calif, Dec. 13, 35; m. 59; c. 1. SOCIAL PSYCHOLOGY. A.B. California, Berkeley, 58; Ph.D.(psychol), Minnesota, 63. Asst. prof. PSYCHOL, CONNECTICUT, 62-66, ASSOC. PROF, 66- Psychol. Asn; Soc. Psychol. Study Social Issues. Face-to-face interaction; attitude organization and change; methodological problems of experimental social psychology; mental institutions. Publ: Co-auth, Bedlam in psychiatry; studies in the unreality of mental illness, Holt, (in press) & Performance styles in interpersonal relations, Psychol. Reports, 66; auth, Experimental social psychology: some sober questions about some frivolous values, J. Exp. Soc. Psychol, 67. Address: Dept. of Psychology, University of Connecticut, Storrs, Conn. 06268.
- RINGEL, SEYMOUR, b. New York, N.Y., Oct. 5, 24; m. 48; c. 2. PSYCHOLOGY. B.A. Brooklyn Col, 49, M.A., 52; Wisconsin, 50; American Univ., 54. Res. psychologist, Inst. Res. Human Rel, 51-52; measurement & eval, Bur. Naval Personnel, 52-55, suprvy. res. psychologist, U.S. Navy Personnel Res. Field Activity, 55-57; manpower allocation, personnel res. br, U.S. DEPT. ARMY, 57-58, officer selection, 58-59, electronic sys, 59-62, TASK LEADER COMMAND SYSTS, BEHAV. SCI. RES. LAB, 62- U.S.N., 43-46. Psychol. Asn. Personality and perception; personality and aptitude measurement; applied experimental psychology; decision making; individual versus group behavior. Publ: Survey of human factors problems in missile and communications systems; Human factors research in complex electronic systems; Command information processing systems—a human factors research program, U.S. Army Behav. Sci. Res. Lab, 6/66. Address: 5912 Nevada Ave. N.W., Washington, D.C. 20015.
- RINGENBERG, DR. R(ALPH) G(ERALD), JR, b. Elmore, Minn, Jan. 28, 22; m. 44; c. 2. BUSINESS ADMINISTRATION. A.B. Cornell Col, 47; M.B.A., Denver, 48; Ph.D.(finance), Northwestern, 60. Lectr. FINANCE, Northwestern, 48-51, asst. prof, 54-57; Ore. State Col, 51-54; Stanford, 57-61; ASSOC. PROF, COLORADO, 61- U.S.N.R., 43-46, Lt.(g). Finance Asn; Econ. Asn. Business finance; commercial banking. Address: School of Business, University of Colorado, Boulder, Colo. 80302.
- RINGNESS, PROF. THOMAS A, b. Stevens Point, Wis, July 23, 14; m. 39; c. 2. EDUCATIONAL PSYCHOLOGY. B.Ed. Wis. State Col.(Stevens Point), 34; Ph.M., Wisconsin, 42, Ph.D., 51. Teacher & adminstr, pub. schs, Wis., Ill. & N.Dak., 34-49; prof. ED. PSYCHOL, Northern Illinois, 51-55; assoc. prof, WISCONSIN, 55-62, PROF, 62- Nat. Inst. Ment. Health fel. clin. psychol, California, Los Angeles, 62-63. U.S.N.R., 44-46, Res, 46-51, Lt. Fel. Psychol. Asn; Ed. Res. Asn. Personality variables of pupils and teachers, especially in self concept, anxiety, dominance-submission and self-role conflict; achievement-related factors of children; research with student teachers. Publ: Co-auth, Psychology in theory and practice, Houghton, 59; auth, Mental health in the schools, Random, 68; Emotional reactions to learning situations of mentally retarded children. Address: Dept. of Education, University of Wisconsin, 2218 University Ave, Madison, Wis. 53706.
- RINGROSE, DR. DAVID R, European Econ. Hist. Hist. of Spain, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- RINGS, E(TTA) ELEANOR, Econ, see 10th ed, Soc. & Behav. Vols.
- RINGUETTE, DR. EUGENE L, b. Elkins, W.Va, Nov. 21, 32. PSYCHOLOGY. A.B. Jamestown Col, 58; M.S. Purdue, 61, Ph.D.(psychol), 63. Instr. MED. PSYCHOL, California, Los Angeles, 62-63, asst. prof, 64-67; ASSOC. PROF, SOUTHERN ILLINOIS, 67- Conflict behavior; personality research; organic impairment. Publ: Selected personality correlates of mode of conflict resolution, J. Personality & Soc. Psychol, Vol. 2, No. 4; An experimental study of the double bind hypothesis, J. Abnorm. Psychol, Vol. 71, No. 2; co-auth, A survey of biographical and psychological features in extraordinary fatness, Psychosom. Med, Vol. 29, No. 2. Address: Dept. of Psychology, Southern Illinois University, Carbondale, Ill. 62901.
- RINGWALL, PROF. EGAN A, b. Turku, Finland, Oct. 31, 13; nat; m. 42; c. 2. PSYCHOLOGY. Ph.D.(psychol), Michigan, 51. Asst. prof. PSYCHOL, STATE UNIV. N.Y. BUFFALO, 49-54, assoc. prof, 54-64, PROF, 64-, DIR. PSYCHOL. CLIN, 52- Consult, Vet. Admin, 53- U.S.A., 42-46. Psychol. Asn. Child development, especially language development; group psychotherapy and processes. Address: Dept. of Psychology, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- RINN, DR. FAUNEIL J(OYCE), b. Boulder, Colo. POLITICAL SCIENCE. B.A., Cincinnati, 46; M.S. Columbia, 47; M.A. Chicago, 53, Ph.D., 60; Brookings Inst. fel, 58-59. Reporter & copy ed, Watertown Daily Times, N.Y., 46-52; ed. asst. pub. rels. & conf. mgt, Pub. Admin. Clearing House, 53-56; instr. soc. sci, Chicago, 59-60; asst. prof. POLIT. SCI. & PUB. ADMIN, SAN JOSE STATE COL, 60-66, ASSOC. PROF, 66-, ASST. DEAN GRAD. STUDIES & RES, 67- Am. Asn. Univ. Women fel, 65-66; guest scholar, Brookings Inst, 65-66. Polit. Sci. Asn; Soc. Pub. Admin. Address: Dept. of Political Science, San Jose State College, San Jose, Calif. 95114.

RINSLAND, PROF. HENRY D(ANIEL), b. Charlottesville, Va, Sept. 8, 89; m. 19; c. 1. EDUCATIONAL PSYCHOLOGY. A.B. Oklahoma, 20, A.M. 23; fel. Columbia, 27-28, Ph.D. 35. From instr. to prof. ED, COL. ED, OKLAHOMA, 24-60, EMER. PROF. 60- U.S.A. 18-19; Adj. Gen. Off, 40-45. AAAS; Coun. Measurement in Ed. (pres, 50-52). Educational measurements; vocabulary of elementary school children. Publ: Basic vocabulary of elementary school children; Pupils own vocabulary speller; Test construction and grading. Address: Dept. of Educational Psychology, University of Oklahoma, Norman, Okla. 73069.

RINTELMANN, DR. WILLIAM F(RED), b. Chicago, Ill, June 22, 30; m. 58; c. 1. SPEECH PATHOLOGY, AUDIOLOGY. B.S. Arizona State, 52; M.A. Indiana, 57, Ph.D. (speech path. & audiol), 60. Asst. prof. speech & dir. speech & hearing clin, North Dakota, 59-61; asst. prof. audiol, univ. & lect. otolaryngol, med. sch, Northwestern, 63-66; ASSOC. PROF. AUDIOL, MICH. STATE, 66- Nat. Inst. Neurol. Diseases & Blindness trainee med. audiol, 61-63. U.S.A. 52-55, Res, 55-, 1st Lt. Speech & Hearing Asn. Clinical and experimental audiology, especially special auditory tests, auditory pathology, the normal hearing mechanism and psychoacoustics. Publ: Co-auth, Masking in audiometry: a clinical evaluation of three methods, Arch. Otolaryngol, 80: 541-556, A survey of hearing conservation programs in representative aerospace industries. 1 Prevalence of programs and monitoring audiometry, Am. Indust. Hyg. Assn. J, 28: 372-380 & Type V Bekezy pattern: interpretation and clinical utility, J. Speech & Hearing Res, 10: 733-744. Address: Dept. of Audiology & Speech Sciences, Michigan State University, East Lansing, Mich. 48823.

RIOPPELLE, DR. A(RTHUR) J(EAN), b. Thorp, Wis, Apr. 22, 20; m. 42; c. 3. PSYCHOLOGY. B.S. Wisconsin, 41, M.S. 48, Ph.D. (psychol), 50. Asst. prof. psychol, Emory, 50-54, assoc. prof, 54-57; U.S. Army Med. Res. Labs, 57-59; dir, Yerkes Labs. Primate Biol, 59-64; DIR, DELTA REGIONAL PRIMATE RES. CENTER, TULANE, 64- U.S.A. 42-45. AAAS; Psychol. Asn. Primate behavior; brain function; sensory processes. Publ: Dispersion of stimulus-areas and the scotopic threshold, Am. J. Psychol; Transfer suppression and learning sets & co-auth, Multiple discrimination and patterned string performance of normal and temporal-lobeectomized monkeys, J. Comp. Physiol. Psychol. Address: Tulane University, Delta Regional Primate Research Center, Covington, La. 70433.

RIPLEY, PROF. JOSEPH M, Speech, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

RIPLEY, DR. SUZANNE, b. Newton, Mass, Feb. 10, 36. ANTHROPOLOGY. B.A. Barnard Col, 58; Nat. Insts. Health fel. & Ph.D. (anthrop), California, Berkeley, 65. Acting instr. anthrop, California, Berkeley, 63-64; Am. Asn. Univ. Women fel, 64-65; res. scientist, East. Pa. Psychiat. Inst, 65-66; RES. ASSOC. anthrop, Virginia, 66-67; PRIMATOL, SMITHSONIAN INST, 67- Fel. Anthropol. Asn; Int. Primatol. Soc. Social anthropology; primate behavior; structural and processual analysis of social contacts in interaction among mammals, especially human and non-human primates; the adaptive value of varying patterns of interaction in different organizational and ecological settings. Publ: Intertroop encounters among Ceylon gray langurs, Presbytis entellus, In: Social communication among primates, 67; The leaping of langurs: a problem in the study of locomotor adaptation, Am. J. Phys. Anthropol, 3/67. Address: National Zoological Park, Smithsonian Institution, Washington, D.C. 20009.

RIPPER, DR. C(ARL) HAROLD, b. Denver, Colo, June 14, 05; m. 28; c. 5. PSYCHOLOGY. A.B. Col. Emporia, 38; M.A. Wichita, 42; fel. Iowa, 46-47, Ph.D. 51. Prof. psychol, Bethany Nazarene Col, 42-67, librn, 42-44, dean, 46-67, ACAD. V.PRES, 67- Psychology of personality; psychology of religious experience; non-intellectual factors in academic success. Address: Bethany Nazarene College, Bethany, Okla. 73008.

RIPPEY, DR. ROBERT SAMUEL, JR, b. New York, N.Y., Mar. 5, 23; m. 47; c. 2. ECONOMICS. B.S. Lehigh, 46; M.Sc. London Sch. Econ, 54; Ph.D. (econ), Syracuse, 66. ASSOC. PROF. ECON, CENT. CONN. STATE COL, 65- U.S.N. 43-46; U.S.A.F. 48-65, Lt. Col. Econ. Asn; Asn. Comp. Econ. Comparative economic systems; international trade and finance; economic development. Address: Dept. of Economics, Central Connecticut State College, New Britain, Conn. 06050.

RISCH, DR. FRANK, b. Dec. 20, 11; nat; m. 40; c. 2. PSYCHOLOGY. B.A. N.Y. Univ, 40; M.A. Southern California, 47, Ph.D. (clin. psychol), 49. CHIEF EPILEPSY REHAB. SERV, VET. ADMIN. CENTER, 49- Instr, Southern California, 49-; West German Govt. travel grant, 58; Scottish Epilepsy Soc. travel grant, 65. Consult, Mt. Sinai Hosp. & Clin, 49-55; proj. dir, Epi-Hab, La, Inc, 55-; Univ. Calif-Calif. Col. Med, 63- Mem, President's Cmt. Employ. Handicapped, 61- Bell Greve Award, Nat. Rehab. Asn, 67. U.S.A.A.F. 44-46. Psychol. Asn; Soc. Proj. Tech. Epilepsy and neurology; activity therapies; communication. Publ: Is the order of birth a factor in epilepsy, J. Neurol; Performance of problem children on the Wechsler-Bellevue and Stanford Binet; Epilepsy: an industrial, medical and psychological problem. Address: 3097 Manning Ave, Los Angeles, Calif. 90064.

RISCHIN, DR. MOSES, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

RISHEBERGER, PROF. PAUL A, b. Adamsburg, Pa, May 6, 00; m. EDUCATIONAL PSYCHOLOGY. A.B. Washington & Jefferson Col, 23; A.M. Pittsburgh, 32, Ph.D. 46. From teacher to superv. prin, pub. schs, Pa, 23-36; PROF. ED. & PSYCHOL, INDIANA UNIV. PA, 36. Address: Dept. of Education & Psychology, Indiana University of Pennsylvania, Indiana, Pa. 15701.

RISINGER, PROF. BURTON R(ONALD), b. Spearsville, La, Apr. 7, 13; m. 32; c. 3. BUSINESS ADMINISTRATION. A.B. La. Polytech, 35; M.B.A. La. State, 37; fel, Claremont Men's Col, 56. Instr. bus. admin, La. State, 37-42, asst. dean col. commerce, 39-42, purchasing agent for univ, 42-45; PROF. BUS. ADMIN. & DEAN SCH, LA. POLYTECH, 45- Address: Box 5796, Tech Station, Ruston, La. 71270.

RISLEY, DR. ROBERT F(RANCIS), b. Elmira, N.Y., Mar. 28, 22; m. 49; c. 2. INDUSTRIAL & LABOR RELATIONS. A.B. Union Col, 48; M.S. Cornell, 49, Ph.D. (personnel admin), 53. Admin. asst. to dean, sch. indust. & labor rels, Cornell, 49-52, assoc. prof. & coordinator spec. progs, 53-58, prof, sch. indust. & labor rels, 58-62, acting dean, 58-59, asst. dean, 59-62; consult. orgn. & personnel policy to pres, State Univ. N.Y. 52-53; dep. indust. cmnr. New York City, N.Y. State Dept. Labor, 62-66; PROF. INDUST. LABOR RELS. & ORGN. BEHAV. & ASST. DEAN EXTEN. & PUB. SERV, CORNELL, 66- U.S.A.A.F. 43-46, Capt. Indust. Rel. Res. Asn; Econ. Asn; Adult Ed. Asn. Employee and labor relations, especially for professional, technical and other white collar organizations; supervisory and management development programs and evaluation; protective labor legislation and economic security programs and impact. Publ: A study of employee relations practices in the floriculture industry of New York State; Minimum wages in grocery stores; co-auth, Economic security, a study of community needs and resources. Address: Dept. of Industrial Labor Relations, Cornell University, Ithaca, N.Y. 14850.

RISS, DR. ERIC, b. Vienna, Austria, Oct. 10, 29; m. 56; c. 3. SOCIOLOGY, PSYCHOLOGY. B.A. Brooklyn Col, 50; Ph.D. (human rels, psychol), N.Y. Univ, 58. Sr. psychologist, New York City Diag. Center, 54-56; CONSULT. TO CHMN. BD, SCI. MARRIAGE INST, INC, 56-; CLIN. PSYCHOL, NEURO-PSYCHIAT. DIV, FORDHAM HOSP, 56- Lectr, Brooklyn Col, 55-64. Private practice, 52-; psychotherapist, Community Guid. Serv, N.Y. 58-61; Neuropsychiat. Center, 58-60. Mem. Nat. Cmt. Art Ed, 57-; adv. bd, Inst. Rational Living, Inc, 60- U.S.A. 52-54. AAAS; Sociol. Asn; Soc. Sci. Study Sex; Soc. Gen. Syst. Res; Acad. Psychol; Acad. Polit. & Soc. Sci; Psychol. Asn; N.Y. Acad. Sci; Int. Soc. Gen. Semantics. Creativity; psychotherapy; application of personality tests, depth interviewing, large scale electronic sorting and computer techniques to scientific mate selection; psychology and sociology of sexual attraction. Publ: Scientific approach to marriage; Original behavior: a theoretical statement, Psychol. Reports; Are hallucinations illusions? an experimental study, J. Psychol. Address: Scientific Marriage Institute Bldg, 172 E. 73rd St, New York, N.Y. 10021.

RISS, DR. W(ALTER), Neuroanat, Psychol, see 11th ed, Phys. & Biol. Vols.

RISSE, DR. HUBERT E(LIAS), b. Kansas City, Kans, Apr. 28, 14; m. 39; c. 2. MINERAL ECONOMICS. E.M. Colo. Sch. Mines, 37; M.S. Kansas, 53, Ph.D. (econ), 56. Asst. engr, Ala. By-Prod. Co, 37-38, mining engr, 38-41, mine supt, 47-50; staff engr, coal sect, Nat. Safety Coun, 46-47; instr. mining eng, Kansas, 50-56, asst. prof, 56-57; mineral economist, ILL. STATE GEOL. SURV, 57-60, PRIN. MINERAL ECONOMIST, 60-, ASST. CHIEF, 67- Prof, Illinois, Urbana, 60. Mining consult, Kans. Geol. Surv, 53-57; mem. mineral econ. panel, cmt. mineral sci. & tech, Nat. Acad. Sci, 66. C. Eng, 41-46, Res, 56-65, Lt. Col. AAAS; Geol. Soc; Inst. Min. Metall. & Petrol. Eng. Economic aspects of the mineral industries; interrelationship between minerals and other phases of modern industrial economy. Publ: The economics of the coal industry, Bur. Bus. Res, Univ. Kansas, 58; Illinois-Missouri mineral resource complex—a base for industrial development, Ill. State Geol. Surv. Circular, 62; Coal mine productivity—some things the averages don't tell, J. Coun. Econ, Am. Inst. Min. Metall. & Petrol. Eng, 5/66. Address: Room 200A, Natural Resources Bldg, University of Illinois, Urbana, Ill. 61801.

RISSLER, DR. HERBERT J, Twentieth Century Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

RIST, LEONARD B(ERNARD), b. Montpelier, France, Apr. 27, 05; m. 29. ECONOMICS. Lic. es lettres, Paris, 25, lic. en droit, 28, dipl. 28. Assoc. Blair & Co, Inc, 28-30; Morgan & Cie, France, 30-45, v.pres, 45; chief finance div, Allied Control Cmn, Austria, 45-46; alternate exec. dir, INT. BANK RECONSTRUCT. & DEVELOP, 46, econ. dir, 46-61, spec. rep. for Africa, 61-63, SPEC. ADV. TO PRES, 63- French Army, 39-40. Econ. Asn; Int. Inst. Pub. Finance. International economics and finance. Address: 3130 Ordway St, Washington, D.C. 20008.

RISTOW, DR. LESTER W(AYNE), b. Belgrade, Mont, May 31, 11; m. 41; c. 3. EDUCATIONAL PSYCHOLOGY. B.A. Washington (Seattle), 39; M.A. Southern California, 48, Ed.D. 51. Teacher, pub. schs, Calif, 39-42; Compton Union High Sch. & Jr. Col, 47-53, counsr, high sch, 53-54; consult, div. res. & guid, LOS ANGELES COUNTY SCHS, 54-64, ASST. DIR. RES. & PUPIL PERSONNEL SERV, OFF. SUPT, 64- Assoc. prof, Humboldt State Col, 57; Southern California, 58-61. U.S.A. 42-47, Capt. Psychol. Asn; Nat. Coun. Measurement in Ed; Ed. Res. Asn; Learning; evaluation; operational research system analysis. Publ: Using tests in the schools, Off. Los Angeles County Supt. Schs, 62; Psychological testing in the schools, Calif. Asn. Sch. Psychologists & Psychometrists Newsletter, 3/63; Much ado about dropouts, Phi Delta Kappan, 5/65. Address: 14026 E. Christine Dr, Whittier, Calif. 90605.

RISTOW, DR. WALTER W(ILLIAM), b. La Crosse, Wis, Apr. 20, 08; m. 42; c. 3. GEOGRAPHY. B.A. Wisconsin, 31; M.A. Oberlin Col, 33; Ph.D. (geog), Clark, 37. Instr, East. Wash. Col. Ed, 35-37; head map room, New York Pub. Library, 37-41, chief map div, 41-46; asst. chief GEOG. & MAP DIV, LIBRARY CONG, 46-62, chief, 62-65, assoc. chief, 65-67, CHIEF, 68- Head geog. & map sect, mil. intel. div, U.S. Dept. Army, N.Y. 42-44. Mem, U.S. Bd. Geog. Names, 47-, chmn, 58-59. AAAS; Asn. Am. Geog. (secy, 49); Am. Geog. Soc; Coun. Geog. Ed; Cong. Surv. & Mapping. History of cartography; economic geography; geographic and cartographic bibliography. Publ: Ed. A survey of the roads of the United States of America, 1789; auth, Marketing maps of the United States, an annotated bibliography; Aviation cartography, a historic bibliographic study of aeronautical charts. Address: Geography & Map Division, Library of Congress, Washington, D.C. 20540.

RISTVET, DR. KAREN LEE, b. Tacoma, Wash, May 21, 43. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B. Puget Sound, 64; M.A. Washington State, 67, Ph.D. (polit. sci), 68. Asst. POLIT. SCI, Washington State, 65-68; ASST. PROF, PUGET SOUND, 68- Summers, admin. asst. planning, Dept. City Planning, Tacoma, 66-67. Polit. Sci. Asn; Soc. Pub. Admin. Urban administration and politics, particularly the problems of

urban planning. Publ: The city and the suburb: a review of the concept of annexation, City Tacoma, 11/66; A model for decision-making: goals and policy formulation in comprehensive planning, Quorum, Wash. State Univ, 3/68. Address: Dept. of Political Science, University of Puget Sound, Tacoma, Wash. 98416.

RITCHIE, PROF. BENBOW F(ERGUSON), Psychol, see 10th ed, Soc. & Behav. Vols.

RITCHIE, DR. JOHN COLLINS, JR., b. Philadelphia, Pa, May 20, 27; m; c. 2. ECONOMICS, BUSINESS FINANCE. B.S. Temple, 50, M.B.A. 54; Ph.D. (econ, finance), Pennsylvania, 63. Acct. E.I. du Pont de Nemours & Co, 50-51, credit man, 51-54; instr. acct. & finance, TEMPLE, 54-61, asst. prof. FINANCE, 61-66, ASSOC. PROF., 66- Adv. Civil Serv. Exam, Pa, 55-56; consult, Syracuse Univ-Agency Int. Develop. contract, Medellin, Colombia, 64-66; Am. Col. Life Underwriters, 67- Mem. bd. exam, Chartered Property & Casualty Underwriters, 60-64. U.S.N. 45-46. Econ. Asn; Finance Asn. Trends in internal financing; selected corporations. Publ: Depreciation and the price level, 12/55 & Time patterns in corporate savings, 12/64, Econ. & Bus. Bull, Temple Univ; Financial markets in a developing economy—the Colombian case, Temas Administrativas, Escuela de Administracion, Colombia, 67. Address: 14 Newington Dr, Haboro, Pa. 19040.

RITCHIE, DR. MALCOLM, b. Desdemona, Tex, May 3, 20; m. 47; c. 3. PSYCHOLOGY. B.A. California, 48, M.A. 51; Ph.D. Illinois, 53. Res. assoc. psychol, Illinois, 53-56; PRES, RITCHIE & ASSOCS, INC, 56- U.S.A.A.F., 41-46, Maj. AAAS; fel. Psychol. Asn; Human Factors Soc.(secy, 65); Inst. Elec. & Electronics Eng; sr. mem, Astronaut. Soc; Soc. Mech. Eng. Human operation of complex equipment; human factors in aircraft and equipment design; man-machine relations; development of man-machine systems; information retrieval; vehicle operation. Publ: Retroaction as a function of discrimination and motor variables; Transfer between contact and instrument flight training; Integrated instruments, a drag indicator. Address: 630 Brubaker Dr, Dayton, Ohio 45429.

RITCHIE, PROF. OSCAR W(ASHINGTON), Sociol, see 10th ed, Soc. & Behav. Vols, deceased 67.

RITCHIE, DR. WILLIAM A(UGUSTUS), b. Rochester, N.Y., Nov. 20, 03; m. 33; c. 1. ANTHROPOLOGY. B.S. Rochester, 36, M.S. 38; fel. Columbia, 41-42; Ph.D.(anthrop), 44; D.Sc. Waynesburg Col, 50. Asst. archaeol, Rochester Mus. Arts & Sci, 24-28, asst. archaeologist, 29-38, archaeologist & curator anthrop, 38-49; sr. scientist archaeol, N.Y. STATE MUS, 49-50, STATE ARCHAEOLOGIST, 50- Lectr. Rochester, 43-49; vis. prof, Syracuse, 63-64; adj. prof, Harpur Col, 64-65; vis. prof, State Univ. N.Y. Albany, 67- Morrison prize, N.Y. Acad. Sci, 43; centennial award, Univ. Rochester, 50; fel. Rochester Mus, 57; Cornplanter medal, Cayuga County Hist. Soc, 66. Fel. AAAS; fel. Anthropol. Asn; Soc. Archaeol.(asst. ed, 35-53, assoc. ed, 53-55, v.pres, 37, pres, 56). Archaeology of New York State and Northeastern North America; paleopathology of American Indians. Publ: Pre-Iroquoian occupations of New York State; The archaeology of New York State, Natural Hist. Press, 65; The archaeology of Martha's Vineyard, a framework for the prehistory of southern New England, Natural Hist. Press, 68. Address: 21 Pine St, Delmar, N.Y. 12054.

RITLAND, PROF. RAYMOND W(ILFRED), b. McCallsburg, Iowa, May 3, 19. INDUSTRIAL RELATIONS, MANAGEMENT. B.S.C. Iowa, 41, M.A. 48, Ph.D. 51. Instr. econ, Tulane, 49-51, asst. prof, 51-52, 53-56, asst. to v.pres. in charge develop, 56-57; assoc. prof. ECON, AUBURN, 57-59, PROF., 59- U.S.A. 41-46, Maj. Econ. Asn. Labor-management relations; labor legislation; economic theory. Address: Dept. of Economics, Auburn University, Auburn, Ala. 36830.

RITMAN, DEAN MARGUERITA S, b. Chicago, Ill, July 13, 05; m. 59. SOCIOLOGY. Ph.B. Chicago, 44; M.A. Ohio, 48; Wisconsin, 57-58; Col. St. Teresa.(Minn), 67-68. Asst. dean, Sch. of Art Inst. Chicago, 31-41; asst. dean women, Ohio, 46-48; ASST. PROF. SOCIOL. & DEAN WOMEN, WINONA STATE COL, 48- Sociol. Asn. Social setting in which Michelangelo Buonarroti lived; Russian language. Address: Dept. of Sociology, Winona State College, Winona, Minn. 55987.

RITTENHOUSE, DR. CARL H(ARRIS), b. Garden City, S.Dak, Feb. 17, 22; m. 47; c. 2. PSYCHOLOGY. Ph.D.(psychol), Stanford, 52. Asst. psychol. of music, Stanford, 50-51; res. psychologist perceptual & motor skills, U.S. Dept. Air Force, 51-53; personality & social psychol, U.S. Dept. Army, 53-58; head training group, Philco Corp, 58-59; res. psychologist, STANFORD RES. INST, 59-63, SR. RES. PSYCHOLOGIST, 63- U.S.A.A.F., 43-46. Psychol. Asn. Organizational structure; group functioning; leadership; decision making and problem solving. Publ: Co-auth, Knowledge of results in the acquisition and transfer of a gunnery skill, J. Exp. Psychol; Training army leaders with sound films and group discussion techniques; auth, Judgmental evaluation of tactical performance, Proc. Mil. Ops. Res. Symp, 62. Address: 77 Linaria Way, Menlo Park, Calif. 94025.

RITTENHOUSE, IRMA, b. Dunkirk, N.Y., Aug. 9, 06; m. 31. ECONOMICS. B.A. Barnard Col, Columbia, 27. Consult. soc. welfare, U.S. Cmt. Econ. Security, 34; instr. econ, N.Y. Univ, 38-39; consult. soc. welfare, Nat. Resources Planning Bd, 40; unemploy ins, U.S. Women's Bur, 45; prof. econ, sch. soc. work, Smith Col, 47-51; dir. employ. security res, N.Y. State Div. Employ, 56-62; consult. pub. admin, Inst. Pub. Admin, 62-63; prof. manpower econ, Brooklyn Col, 66-67; DEP. DIR. INDUST. GERONT, NAT. COUN. AGING, 67- Fel. pub. admin, Brookings Inst, 32-33. Manpower and social insurance research and teaching; public administration research and writing. Publ: Economics and the level of family living, Nat. Conf. Soc. Work, 52; Implications of the movement for guaranteed wages, Inst. Labor & Soc. Res, N.Y. Univ, 54; Underemployment, In: Studies in unemployment, Joint Cmt. on Econ. Report of President, U.S. Cong, 60. Address: R.D. 1, Box 40A, Eatontown, N.J. 07724.

RITTENHOUSE, DR. MARGUERITE LANG, Mkt, Econ, see 10th ed, Soc. & Behav. Vols.

RITTENOUR, DR. MARJORIE WASHBURN, b. Montgomery, Ala, Oct. 19, 20; m. 42; c. 2. PSYCHOLOGY. A.B. Alabama, 43, M.A. 61, Ph.D.(ed. psychol, counseling, guid), 66. Dir. speech path, Cent. Ala. Crippled Children's Clin. & Rehab. Center, 59-64; ASST. PROF. PSYCHOL, TROY STATE COL, 66- Psychol. Asn; Personnel & Guid. Asn. Parent counseling. Publ: Counseling with parents of children with abnormal speech development, J. Ala. Med. Asn, 9/64. Address: Dept. of Education & Psychology, Troy State College, Troy, Ala. 36081.

RITTER, PROF. ALAN L(OCKHART), Econ, see 10th ed, Soc. & Behav. Vols.

RITTER, DR. ANNE M, Psychol, see 10th ed, Soc. & Behav. Vols.

RITTER, COL. JAMES H(ARRY), U.S.A.F, b. Williamsport, Pa, Apr. 23, 15; m. 54; c. 3. PSYCHOLOGY. B.S. Bucknell, 36, M.S. 37; Ph.D.(psychol), Ohio State, 52. Instr. Lycoming Col, 37-38; Iowa, 40-41; U.S. AIR FORCE, 48-, res. psychologist, 48-54, human factors adminstr. res. & develop, 54-59, dep. exec. dir, Air Force Off. Sci. Res, 59-61, dir. res. anal, 61-63, dep. dir, European Off. Aerospace Res, 63-65, COMDR, U.S. AIR FORCE PERSONNEL RES. LAB, 65- U.S.A. 43-48. Psychol. Asn; Statist. Asn; Human Factors Soc. Human engineering; personnel measurement; weapons systems; personnel management; educational psychology. Publ: Where America's recognized psychologists received their doctorates; Personnel management research for the Air Force; Recent personnel research in the United States Air Force. Address: 3603 Ticonderoga Dr, San Antonio, Tex. 78230.

RITTER, DR. LAWRENCE, b. May 23, 22; div; c. 1. ECONOMICS. B.A. Indiana, 42; M.A. Wisconsin, 43, Ph.D.(econ), 51. Instr. econ, Mich. State, 49-50, asst. prof, 51-55; economist, Fed. Reserve Bank, N.Y., 55-60, cmn. money & credit, 59-60; PROF. FINANCE, GRAD. SCH. BUS. ADMIN, N.Y. UNIV, 60-, CHMN. DEPT, 61- Vis. assoc. prof, Yale, 60. U.S.N. 42-46, Lt.(jg). Am. Econ. Asn; Am. Finance Asn; Research Soc. Money and banking; economic theory. Publ: Ed, Money and economic activity; auth, The glory of their times, Macmillan, 66. Address: Graduate School of Business Administration, New York University, New York, N.Y. 10006.

RITTER, DR. RICHARD MADDEN, b. U.S.; June 1, 25. PSYCHOLOGY. B.A. Florida, 50, M.A. 52; Ph.D.(psychol), Texas, 65. Psychol. warfare officer, air resupply & communications serv, U.S. Air Force, 52-53, res. psychologist, dept. psychol, sch. aviation med, 53-54, dept. med. psychol, 54-58; res. scientist, PSYCHOL, radiobiol. lab, Texas, 58-64, spec. instr. univ, 61-64; ASST. PROF. MONTANA STATE, 65- U.S.A. 43-46; U.S.A.F. 52-58, Res, 58-, Capt. AAAS; Psychol. Asn; Research Soc. Radiation Res. Soc. Behavioral effects of chemical agents; effects of ionizing radiation on behavior; design and analysis of experiment. Publ: Effects of drugs and controlled progress feedback upon two-member team behavior; Measurement of behavioral effects attributed to certain ataractic and analeptic drugs; Adaptability screening of flying personnel: research on the individual test battery. Address: Dept. of Psychology, Montana State University, Bozeman, Mont. 59715.

RITZ, DR. G(EOGE), JR, Psychol, see 10th ed, Soc. & Behav. Vols.

RITZ, PHILIP M(ILTON), b. Hibbing, Minn, Aug. 21, 15; m. 50; c. 2. ECONOMICS, STATISTICS. B.E. Wis. State Teachers Col, Milwaukee, 37; Ph.M. Wisconsin, 39. Statist. asst. statist. lab, agr. exp. sta, Wisconsin, 39-40; exam. asst, U.S. Civil Serv. Cmn, 40-42; assoc. div. economist, Off. Price Admin, 42-47; sr. economist, U.S. Bur. Budget, 47-49; br. chief, U.S. Bur. Labor Statist, 49-54; staff economist, Conf. Econ. Progress, 54-63; ECON. CONSULT, 54-; ASSOC. DIR. ECON. PROG. CENTER, NAT. PLANNING ASN, 63- Econ. Asn; Statist. Asn; Economet. Soc. Technology, productivity and economic growth; interindustry relations analysis; economic stabilization. Publ: General explanations of the 200-sector tables; co-auth, Problems in price control: stabilization subsidies. Address: 11710 Karen Dr, Potomac, Md. 20854.

RITZENTHALER, DR. ROBERT E, b. Milwaukee, Wis, Nov. 11, 11; m. 39. ETHNOGRAPHY. Ph.B. Wisconsin, 35, Ph.M., 40; Ph.D. Columbia, 50. CURATOR ANTHROP, MILWAUKEE PUB. MUS, 38- Anthropol. Asn. American Indian woodland ethnology; Micronesian and Cameroons ethnology; Great Lakes archaeology. Address: Public Museum, Milwaukee, Wis. 53233.

RITZMAN, PROF. CARL (HARRY), b. Superior, Wis, Jan. 8, 12; m. 40. SPEECH PATHOLOGY. B.Ed. Wis. State Teachers Col, 34; Northwestern, 34; Wisconsin, 37; M.A. Iowa, 35, Ph.D.(speech path, clin. psychol), 41. Instr. exten. sch, Minnesota, 35-36; SPEECH, OKLAHOMA, 36-39, asst. prof, 40-43, assoc. prof, 43-52, PROF., 52-, dir. speech clin, 37-47, speech ther, 47-52. Lectr, City Col. New York, 53-54; instr. exten. div, N.J. State Teachers Col; N.Y. City Voc. High Sch, 54; vis. prof, Cornell, 58-59; summer vis. prof, Portland, 42, Tennessee, 60 & 61. U.S.N. 43-46. Speech & Hearing Asn; Psychol. Asn. Stuttering; psychoanalysis; speech ontogenesis; synthesis of dynamic and formal theories pertaining to speech ontogenesis; disorders of speech acquisition, especially psychoses of childhood. Publ: Problems in coping with the poorly qualified private practitioner, Asha, 1/62. Address: 313 Foreman Ave, Norman, Okla. 73069.

RIVERA, PROF. JULIUS, b. Timana, Colombia, Dec. 4, 17; U.S. citizen; m. 61; c. 2. SOCIOLOGY. B.A. Bogota Sem, 38; M.A. Popayan Sem, 42; M.A. Detroit, 53; Ph.D.(sociol), Mich. State, 57. Lectr. philos, Santa Librada Nat. Col, 43-49; lit. Bogota, 50; sociologist, Colo. State Pub. Health Dept, 57-58; asst. prof. SOCIOL, Tex. Tech. Col, 58-61; assoc. prof, Arizona, 61-65; Houston, 65-67; Fulbright assoc. prof, Cath. Univ. Chile, 67-68; PROF. Calif. State Col. Hayward, 68; HOUSTON, 68-, res. grant, 67. Hogg Found. Ment. Health res. grant sociol, 59. AAAS; Sociol. Asn. Family; occupational mobility and mental health in comparative perspective research conducted among Latin Americans in the United States and Latin America. Publ: Attitudes toward U.S. in Mexico, Rural Sociol, 59; International orientations, Soc. Forces, 60; On Mexico, Ariz. Rev, 63. Address: Dept. of Sociology, University of Houston, Houston, Tex. 77004.

RIVERA-SANTOS, LUIS, Agr. Econ, see 10th ed, Soc. & Behav. Vols.

RIVERS, DR. P(RICE) CLAYTON, b. Russellville, Ala, July 31, 36; m. 61. PSYCHOLOGY. A.B. Berea Col, 61; M.A. Southern Illinois, 64, Ph.D.(clin. psychol), 67. ASST. PROF. PSYCHOL. MARSHALL, 67- Consult. psychologist, Old Age & Survivors Ins. Proj, Ill. Div. Voc. Rehab, 65-67. Psychol. Asn. Experimental personality; experimental clinical psychology; Rotter's social learning theory; developmental psychology. Address: Dept. of Psychology, Marshall University, Huntington, W.Va. 25701.

RIVERS, DR. ROBERT L(OUIS), b. Worcester, Mass, Aug. 23, 20. ECONOMICS. M.S. Illinois, 47, Ph.D.(econ), 57. Instr. BUS. ADMIN. MASSACHUSETTS, AMHERST, 48-52, asst. prof, 52-59, ASSOC. PROF. 59- Ford Found. summer fells, 63 & 65. U.S.A., 43-46. Econ. Asn; Transportation Res. Forum. Local transit operations; transportation; finance. Publ: Airport manager—the job and the man, Transportation J, winter 66; Moving household goods, Rev. Bus. & Econ, spring 67. Address: 720 South East St, Amherst, Mass. 01002.

RIVLIN, DR. ALICE MITCHELL, b. Philadelphia, Pa, Mar. 4, 31; m. 55; c. 2. ECONOMICS. B.A. Bryn Mawr Col, 52; M.A. Radcliffe Col, 55, Ph.D.(econ), 58; fel, Brookings Inst, 57-58. Res. asst, Brookings Inst, 58-61, res. assoc, 61-66; DEP. ASST. SECY. DEPT. HEALTH, ED. & WELFARE, 66- Res. analyst, Adv. Cmn. Intergovt. Rels, 61-62. Econ. Asn. Economics of education; consumer and family behavior. Publ: Role of the federal government in financing higher education; co-auth, Microanalysis of socioeconomic systems: a simulation study; The U.S. balance of payments in 1968, Brookings Inst, 63. Address: 2842 Chesterfield Place, N.W., Washington, D.C. 20008.

RIVLIN, PROF. BENJAMIN, b. Brooklyn, N.Y., July 10, 21. POLITICAL SCIENCE. B.A. Brooklyn Col, 42; M.A. Harvard, 47, Ph.D.(polit. sci.), 49. Instr. polit. sci, BROOKLYN COL, 49-54, asst. prof, 54-57, assoc. prof, 57-62, PROF. POLIT. SCI. & DEP. CHMN. GRAD. STUDIES, 62-, CHMN. DEPT. POLIT. SCI, 66- Soc. Sci. Res. Coun. travel grant, 51, grant-in-aid, 54, res. fel, 64; Fulbright grant, France, 56-57; Am. Coun. Learned Soc. travel grant, 61; Am. Asn. Med. East Studies vis. scholar, 61-62; vis. prof, Ind. African Studies, Columbia, 63- Mem. bd. dir, Inst. Mediterranean Affairs, 67- U.S.A., 42-45. Fel. African Studies Asn; fel. Med. East Studies Asn. North African affairs; international organization; developing areas; American government. Publ: Co-auth, The contemporary Middle East: tradition and innovation, Random, 66; auth, Self determination and dependent areas; Italian colonies and the United Nations. Address: 202 Seeley St, Brooklyn, N.Y. 11218.

RIVLIN, DEAN HARRY N, b. New York, N.Y., Dec. 30, 04; m. 28; c. 2. EDUCATIONAL PSYCHOLOGY. B.S.S. City Col. New York, 24; M.A. Columbia, 26, Ph.D. 30. Teacher, pub. schs, N.Y. 24-30; from instr. to asst. prof. ed, City Col. New York, 30-39; from assoc. prof. to prof. ed, chmn. dept. & dir. teacher ed, Queens Col.(N.Y.), 39-57, dir. army spec. training div, test construct. center, 43-44; dean teacher ed, City Univ. New York, 57-66, acting pres, City Col. New York, 61-62; DEAN, SCH. ED. FORDHAM, 66- Tech. adv. to dir. exams, Munic. Civil Serv. Cmn, N.Y., 39-54; res. asst, Rockefeller Found. Anal. Teaching, 45-46. Consult, N.Y. Cmt. White House Conf. Ed, 55. Mem. Nat. Cmn. Teacher Ed. & Prfln. Standards, 59-63; bd. trustees, Center Urban Ed, 65-; Nat. Steering Cmt, Nat. Inst. Adv. Study Disadvantaged Youth, 66-67, consult, 67- Psychol. Asn; Orthopsychiat. Asn. Higher education. Publ: Education for adjustment; Encyclopedia of modern education; Teaching adolescents in secondary schools. Address: 205 West End Ave, New York, N.Y. 10023.

RIVOIRE, DR. JEANNE LOUISE, b. Ill, May 4, 26; m. 51; c. 1. PSYCHOLOGY, CHILD DEVELOPMENT. A.B. George Washington, 54; M.A. New Mexico, 57; Ph.D.(psychol), Arizona, 61. ASSOC. PROF. ED, PEPPERDINE COL, 63-; CONSULT, LOS ANGELES COUNTY SCHS, 64- & CITY SCHS, 65- Consult, Ed. Testing Serv, 65; Compton Community Youth Center, 66-67; Ventura County Headstart Progs, 66-67. AAAS; Psychol. Asn. Curriculum development; perceptual and conceptual development; staff development; intergroup relations. Publ: 1001 questions answered about child psychology, Dodd, 65; co-auth, Perceptual development in children, Int. Univ. Press, 66. Address: 1515 Manning Ave, Los Angeles, Calif. 90024.

RIVOIRE, JOHN, b. Pawling, N.Y., Dec. 10, 21; m. 59. ECONOMICS. B.S. Cornell, 42, M.B.A., 48. Pub. admin. intern, State Dept. Civil Serv, N.Y., 48-49; mkt. reporter, State Dept. Agr. & Mkt, N.Y., 49-50; agr. economist & mkt. specialist, U.S. Dept. Agr, D.C., 50-52; mkt. analyst, Chas. Pfizer & Co, Inc, N.Y., 52-55; mgr. div. indust. econ, Midwest Res. Inst, Mo, 55; mkt. res. Westvaco Mineral Prod. Div, Food Mach. & Chem. Corp, N.Y., 56-57; MKT. CONSULT, 57- U.S.A., 42-46. Chem. Mkt. Res. Asn; Mgt. Asn; French Soc. Indust. Chem. Marketing; economics of chemical and related industries; business economics and policy; consumer economics. Publ: Drug industry, Chem. Week Report; Economics research in development programs, Res. & Eng. Address: 550 Fifth Ave, New York, N.Y. 10036.

RIZVI, DR. M(OHAMMAD) HASEEB, Math. Statist, see 11th ed, Phys. & Biol. Vols.

RIZZO, DR. JOHN RAYMOND, b. Bronx, N.Y., June 26, 32; m. 58; c. 4. INDUSTRIAL PSYCHOLOGY. B.A. Colorado, 59; M.A. Ohio State, 61, Nat. Inst. Ment. Health fel, 62-64, Ph.D.(indust. psychol), 64. Res. asst. psychol. personnel res. bd, Ohio State, 60-62; res. psychologist, off. personnel, U.S. Pub. Health Serv, 64-65; ASST. PROF. BEHAV. SCI, SCH. GOVT. & BUS. ADMIN, GEORGE WASHINGTON, 65- Consult, Nat. Inst. Ment. Health, 65-66; R.J. House Assocs, 65- U.S.A., 53-55. Psychol. Asn. Industrial psychology; psychology and sociology of organizations; management and organizational development; work and motivation. Publ: Contrib. Management development, Univ. Michigan, 67; co-auth, Dimensions of organizational values, J. Psychol, 64; Dimensions of consumer choice parameters, J. Appl. Psychol, 64. Address: School of Government & Business Administration, George Washington University, Washington, D.C. 20006.

ROACH, DR. ARTHUR JAMES, JR, b. Galveston, Tex, Dec. 10, 27; m. 64; c. 2. COUNSELING, EDUCATIONAL PSYCHOLOGY. A.B. Santa Fe Col, 52; M.A. Notre Dame, 60, fells, 60-62, Ph.D.(counseling, ed. psychol), 66. Teacher, guid, counsr. & asst. prin. elem. & high schs, N.Mex. & La, 47-59; dir. counseling & testing, Santa Fe Col, 63-64; instr. ed. psychol, grad. sch, Notre Dame, 64-65; asst. prof. counseling & ed. psychol, Santa Clara, 65-66; grad. sch, Canisius Col, 66-67; TEXAS A&M 67-68, ASSOC. PROF. COUNSELING & ED. PSYCHOL. & CHMN. COUNSR. ED. PROG, 67- Fed. res. grant; summers, lectr, Nat. Defense Ed. Act, Grad. inst, Notre Dame, 61 & asst. prof, Sam Houston State Col, 67. Ed. Res. Asn; Asn. Measurement & Eval. Guid; Asn. Counsr. Ed. & Supv. Self-attitude of groups; differentiating characteristics of superior and inferior role performers among religious candidates. Publ: Co-auth, Influence of social factors on the guidance program, Cath. Ed. Rev, 10/61, & Relationship of selected variables to attitudes toward one's group, Cath. Counsr, winter 62. Address: Dept. of Education & Psychology, Texas A&M University, College Station, Tex. 77843.

ROACH, DR. DARRELL E(UGENE), b. Columbus, Ohio, Feb. 18, 25; m. 48; c. 2. PSYCHOLOGY, STATISTICS. B.A. Ohio State, 50, M.A., 51, Ph.D. (indust. psychol), 53. Consult. indust. training, NATIONWIDE INS. CO, 51-53, sr. analyst personnel res, 53-56, personnel res. mgr, 56-60, dir. res. serv, 60-66, DIR. CONSUMER & CORP. RES, 66- Asst. Ohio State, 52-53; lectr, Capital Univ, 67. U.S.A.A.F, 43-46. Psychol. Asn; Psychomet. Soc. Personnel, survey and business research; statistics, including factor analysis; application of social science research methods and statistics to business research; operations research; simulation; management science. Publ: Factor analysis of rated supervisory behavior & Dimensions of employee morale, Personnel Psychol. Address: Nationwide Insurance, 246 N. High St, Columbus, Ohio 43215.

ROACH, DR. EUGENE G(AYLE), b. Louisville, Ky, Jan. 12, 32; m. 51; c. 2. DEVELOPMENTAL PSYCHOLOGY. B.Sc. Louisville, 54; M.A., 57, Ph.D. Purdue, 62. Asst. psychol, human resources res. orgn, George Washington, 55-56, res. assoc, 57-59; psychologist, achievement center children, Purdue, 59-60, dir. ed. psychol, 60-63; ASSOC. PROF. PSYCHOL. & CHIEF PSYCHOLOGIST PEDIAT. NEUROL. MED. CENTER, INDIANA, 63- Fulbright scholar, United Arab Repub, 66-67. Consult, Marion County Asn. Retarded Children, 65- Pres, Coun. Except. Children, 61. U.S.A., 55-57. Psychol. Asn; Acad. Neurol; Royal Soc. Health. Perceptual training related to human development; learning theory and neurological growth; language development and behavior; developmental dyslexia. Publ: Co-auth, The Purdue perceptual-motor survey, C.E. Merrill, 66; auth, Evaluation of an experimental program of perceptual-motor training with slow readers, In: Vistas in reading, Int. Reading Asn, 66; Underachievement, a psychologist's view, In: Ambulatory pediatrics, Saunders, 68. Address: Dept. of Psychology, Indiana University Medical Center, 1100 W. Michigan, Indianapolis, Ind. 46207.

ROACH, DR. FRED, b. Sibley, Iowa, Apr. 14, 26; m. 50; c. 4. POLITICAL SCIENCE, JOURNALISM. B.A. Iowa, 49; Nat. Defense Ed. Act fel. & Ph.D. (govt), Claremont Grad. Sch. & Grad. Center, 65. Assoc. prof. polit. sci, Northern Arizona, 65-67; ASST. PROF. POLIT. SCI. & JOURNALISM, CLAREMONT MEN'S COL, 67- U.S.N., 45-46. Polit. Sci. Asn; Soc. Pub. Admin; Asn. Ed. in Journalism. Local government; community political processes; intergovernmental relations; federalism; public administration. Address: Dept. of Political Science, Claremont Men's College, Claremont, Calif. 91711.

ROACH, DR. JACK L, b. Buffalo, N.Y., Sept. 25, 25; m. 52; c. 2. SOCIOLOGY. B.A. State Univ. N.Y. Buffalo, 49, M.S.S., 54, Ph.D.(sociol), 64. Lectr. SOCIOLOGY, State Univ. N.Y. Buffalo, 60-64, asst. prof, 64-65; ASSOC. PROF, CONNECTICUT, 65- U.S.A., 43-46, Sgt. Sociol. Asn; Soc. Study Social Probs.(Helen DeRoy award, 60); Philos. Sci. Asn. Social theory; social stratification; poverty. Publ: Co-auth, Social stratification in the United States, Prentice-Hall, 68 & A critique of the culture of poverty thesis, Soc. Forces, 67; auth, A theory of the lower class, In: Sociological theory, Harper, 67. Address: Dept. of Sociology, University of Connecticut, Storrs, Conn. 06268.

ROACH, PROF. JAMES H(ARRISON) L(EE), b. Athens, Ohio, Nov. 3, 15; m. 41; c. 3. PSYCHOLOGY. A.B. Ohio, 37, M.A., 41, Ph.D.(psychol), Tulane, 57. Asst. PSYCHOL, Ohio, 39-41, instr, 46-50; Oberlin Col, 41-42; Chicago, 42-43; prof, Air Univ, 50-60; assoc. prof, Albion Col, 60-64; PROF. & CHMN. DEPT. ST. LAWRENCE, 64- Instr. pub. sch, Ohio, 39-41; asst, Tulane, 54-55; lectr, Alabama, 50-60. U.S.N., 43-46. Psychol. Asn; Animal Behav. Soc. Physiological psychology, especially sensory deprivation; animal behavior. Publ: Co-auth, Experiments in general psychology, Harper, 65. Address: Dept. of Psychology, St. Lawrence University, Canton, N.Y. 13617.

ROACH, PROF. JAMES R(OBERT), b. Rock Rapids, Iowa, Aug. 25, 22. GOVERNMENT. A.B. Iowa, 43; A.M. Harvard, 48, Ph.D. 50. Asst. prof. GOVT, TEXAS, AUSTIN, 49-54, assoc. prof, 54-65, PROF, 65- Fulbright grant, Australia, 51-52; Ford grant, India & Pakistan, 56-57; Fulbright grant, India, 61-62, Univ. Res. Inst. grant, India, 66-67; dir. spec. prog, Texas, Austin, 65-, spec. asst. int. ed. prog, 67- Mem. Bd. For. Scholarships, 68-; U.S. Nat. Cmn. for UNESCO, 67-; Austin cmt. Coun. For. Rels. Polit. Sci. Asn; Asn. Asian Studies. International affairs; South Asian governments and politics; American foreign relations. Address: Waggener Hall 119, University of Texas, Austin, Tex. 78712.

ROACH, JESSE E(UGENE), b. De Soto, Ga, Oct. 27, 22. ECONOMICS. B.B.A., Georgia, 46; M.Com. Birmingham, Eng, 49; cert. Edinburgh, Scotland, 49; American Univ, 62-65. Labor economist, Off. Mil. Govt, Germany, 47-48; bus. economist, bur. labor statist, U.S. Dept. Labor, 49-50; res. analyst logistics, U.S. Dept. Army, 50-56; economist, C-E-I-R, Inc, 56-57, 58-60; opera. res. analyst, transportation corps, U.S. Dept. Army, 60-62, economist, off. chief engrs, 62-65; OPERS. RES. ANALYST, FED. AVIATION ADMIN. 65- U.S.A., 43-45. American Econ. Asn; Economet. Soc; Statist. Asn; fel. Royal Econ. Soc. Logistics; housing; interindustry input-output analysis; operations research. Address: 4648 S. Second St, Arlington, Va. 22204.

- ROACH, DR. ROBERT E(RNEST), b. Jacksonville, Ill, Dec. 30, 14; m. 42; c. 3. AUDIOLOGY. A.B. Ill. Col. 36; M.A., Columbia, 40; Ph.D.(audiol), Northwestern, 52. Teacher, Pa. Sch. Deaf, 38-42; supvr. deaf & hard of hearing, Ill. Div. Voc. Rehab, 46-48; dir. audiol, Inst. Logopedics, 51-56; prof. audiol. & dir. hearing & speech clin, MED. COL. ALA, 56-67, HEAD AUDIOL. SECT. & DIR. HEARING CLIN, 67-; PROF. AUDIOL, UNIV. ALABAMA, 66- Consult, Birmingham Pub. Sch. Syst, 56-; Ala. Found. Hearing & Speech, 56-; Mobile Rehab. Center, 62-; Huntsville Rehab. Center, 63- Cert. clin. audiol, Am. Speech & Hearing Assn, 53; cert. Am. Schs. for Deaf, 60. U.S.A. 43-48, T/Sgt. Speech & Hearing Assn. Education of the deaf. Publ: The meaning of severe deafness in the life of the young child, *Cerebral Palsy Rev*, 53; co-auth, A clinical method of calibrating the bone conduction audiometer, *A.M.A. Arch. Otolaryngol*, 56 & The effect of fenestration of the oval window with vein graft on bone conduction sensitivity, *Laryngoscope*, 62. Address: Dept. of Surgery, Division of Otolaryngology, Medical College of Alabama, Birmingham, Ala. 35233.
- ROACH, DR. WILLIAM L(LOYD), b. Paris, Tex, Dec. 22, 97. PSYCHOLOGY. A.B. Oklahoma, 20, A.M. 22; Ph.D.(psychol. & ed), Stanford, 37. Teacher & dir. testing psychol, Col. of San Mateo, 30-64; RETIRED. U.S.A. 17-18, 40-47, Col. Psychol. Assn. Educational and vocational counseling; psychological tests. Address: 461 Washington Ave, Palo Alto, Calif. 94301.
- ROACHÉ, DR. MIRIAM H(AINES), b. Chicago, Ill, May 25, 12. PSYCHOLOGY. B.S. Columbia, 46, M.A., 47, U.S. Pub. Health Serv. fel, 49-50, Ph.D.(psychol), 53. Asst. guid, psychol. testing, teachers col, Columbia, 47; psychol. intern, Neurol. Inst, 47-48; psychologist, St. Luke's Hosp, 48-51; Columbia Presby. Med. Center, 51-53; Montclair Pub. Sch, 53-64; CLIN. PSYCHOLOGIST, PROBTN. DEPT, SAN DIEGO COUNTY, 65- Co-adj. staff mem, univ. col, Rutgers, 56-58; psychotherapist, Jamaica Center Psychother, 61-64. Am. Psychol. Assn; Soc. Proj. Tech; fel. Int. Coun. Psychol. Play therapy with children; research on the bright high school underachiever. Publ: Ego-centric responses in normal and behavior problem children, *J. Psychol*; Test performance of preschool children with and without organic brain pathology, *J. Consult. Psychol*; co-auth, Intelligence quotients of children recovered from erythroblastosis fetalis since the introduction of exchange transfusion, *J. Pediat*, 54. Address: 5856 Kantor St, San Diego, Calif. 92122.
- ROADY, DR. ELSTON E. (STEVE), b. Kane, Ill, Apr. 9, 20; m. 45; c. 3. POLITICAL SCIENCE. B.Ed. Ill. State Norm. Univ, 42; M.A., Illinois, 47, Ph.D. (polit), 51. Instr. polit. sci, FLA. STATE, 47-49, asst. prof, 51-53, assoc. prof, 53-59, PROF. GOVT, 59-, summers, faculty res. fel, 58-60. Asst, Illinois, 50-51; adv. elections cmt, Fla. Gen. Assembly, 53; Gov. Cmt. Red. Campaign Costs, 55; dir. Fla. Center Ed. in Polit, 57-; assoc. Independent Res. Assoc. Inc, 63-; Assoc. Ed. Inc, 65-; vis. prof, Jacksonville, Summers, vis. assoc. prof, Ill. State Norm. Univ, 59; vis. lectr, Illinois, 65; expert adv. to Cmt. Election Expenses, Can, 65. U.S.A.F, 42-44, Res, 44-, Lt. Col. Am. Polit. Sci. Assn; Int. Polit. Sci. Assn. Role analysis Florida state legislators; conflict of interest and corrupt practices legislation. Publ: Co-auth, Florida votes: 1920-1962, Fla. State Univ, 63; Florida legislature, 1967, Emory Univ, 67; auth, Ten years of Florida's who gave it who got it law, *Law & Contemporary Prob*, spring 62. Address: 1916 W. Indian Head Dr, Tallahassee, Fla. 32301.
- ROARK, DR. DALLAS MORGAN, Philos, Relig, see 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- ROAZEN, DR. PAUL, b. Boston, Mass, Aug. 14, 36; m. POLITICAL SCIENCE. B.A. Harvard, 58, Ph.D.(govt), 65; Woodrow Wilson fel, Chicago, 58-59; Oxford, 59-60. Instr. GOVT, HARVARD, 65-68, ASST. PROF, 68- Soc. Sci. Res. Coun. faculty res. grant, 66-67; Found. Fund Res. Psychiat. grant, 67-68. Polit. Sci. Assn. Political theory and psychology. Publ: Freud: political and social thought, Knopf, 68. Address: Dept. of Government, Harvard University, Cambridge, Mass. 02138.
- ROBACK, DR. A(BRAHAM) A(ARON), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 65.
- ROBB, PROF. GEORGE PAUL, b. Chicago, Ill, Mar. 11, 22; m. 46; c. 3. GUIDANCE. B.S. Ball State Teachers Col, 47, M.A., 49; Ed.D., Indiana, 53. Teacher, Lowell High Sch, 47-50; test specialist, Ed. Testing Serv, 52-54; prin, Hanna High Sch, 54-57; asst. prof. ED. & PSYCHOL, MANKATO STATE COL, 57-60, assoc. prof, 60-65, PROF, 65- U.S.A.A.F, 42-45, Sgt. Psychol. Assn; Personnel & Guid. Assn. Zoology; counselor training. Address: Dept. of Educational Psychology, Mankato State College, Mankato, Minn. 56001.
- ROBB, PAUL V. S.J., b. Toledo, Ohio, July 15, 28. PSYCHOLOGY. Litt.B. Xavier (Ohio), 51; Ph.L. West Baden Univ, 54, S.T.L., 61; M.A., Loyola (Ill), 58, Ph.D.(psychol), 66. Instr, Loyola Acad, Ill, 54-57; PSYCHOL, LOYOLA (ILL), 63-65, ASST. PROF, 66- Sub-dir, Ill. State Dept. Ment. Health res. grant, 67-68. Psychol. Assn. History, theories, and philosophy of psychology; relationship of personality variables to cognitive functioning, especially higher cognitive functioning. Publ: An experimental-theoretical study of differences in problem solving processes, *Loyola Psychomet. Lab. Pub*, 49, 67. Address: Dept. of Psychology, Loyola University, 6525 Sheridan Rd, Chicago, Ill. 60626.
- ROBB, DR. SEWARD E(LIOT), b. Creston, Iowa, Nov. 18, 32; m. 57; c. 1. ACCOUNTING. B.S. Wyoming, 55, M.S., 58; Ph.D.(bus. admin), Texas, 62. Lectr. mgt, Wyoming, 57-58; Texas, 58-61; prof. prod. mgt, Illinois, Urbana, 61-63; mgt, Oklahoma, 63-66; DIR. CONSULT. & RES, OKLA. ECON. DEVELOP. FOUND. INC, 66- Sr. researcher, Tex. Res. Assocs, 59-61; summer fel, Case Writers Workshop, Harvard, 65. Bus. consult, 56- U.S.A., 56-, Capt. Acad. Mgt. Instrumentation of natural gas pipelines and chemical and petrochemical industries. Publ: Models of curricula for programs in production management in collegiate schools of business & Helping the business school improve its product, *J. Am. Soc. Training Dirs*. Address: 1808 Newton Dr, Norman, Okla. 73069.
- ROBBINS, DR. HERBERT, b. New York, N.Y., Aug. 23, 32. PSYCHOLOGY. B.A., City Col. New York, 54, M.S., 58; Ph.D.(psychol), N.Y. Univ, 62. AS-
- SOC. PROF. PSYCHOL, BRONX COMMUNITY COL, 62-; SR. PSYCHOLOGIST, MT. SINAI HOSP, 62- U.S. Pub. Health Serv, Nat. Inst. Ment. Health & U.S. Off. Ed. res. grants, 62-67. Practicing psychotherapist, 62- U.S.A. 54-56. Psychol. Assn. Cognitive and personality correlates of work style and creativity. Publ: Co-auth, Personality and cognitive characteristics of engineering students, *Am. J. Psychiat*, 4/66; co-auth, Standardization and construct validity of the physiognomic cue test, 4/67, & Physiognomic perception as a cognitive control principle, 4/68, *J. Perceptual & Motor Skills*. Address: 62 Park Terr. W, New York, N.Y. 10034.
- ROBBINS, PROF. HERBERT (ELLIS), Math. Statist, see 11th ed, Phys. & Biol. Vols. & Suppl. IV.
- ROBBINS, DR. JAMES E(EDWARD), b. Pierre, S.Dak, June 6, 30; m. 53. INDUSTRIAL PSYCHOLOGY, EDUCATION. B.F.A., South Dakota, 52, M.M., 55; Int. Harvester fel, Purdue, 58-59, M.S., 59, U.S. Steel Found. fel, 59-61, Ph.D.(indust. psychol), 62. Dir. instrumental music, pub. sch, Iowa, 54-55; high sch, S.Dak, 55-56; Indiana, 56-57; PROG. COORDINATOR EMPLOYEE RES. GEN. MOTORS CORP, DETROIT, 62- Consult. Gen. Motors mgt, 62- U.S.A. 52-54. Psychol. Assn; Soc. Training & Develop. Organizational analysis; manpower planning and utilization; selection and placement; management development; employee perceptions and motivation; training. Address: 912 Bates, Birmingham, Mich. 48009.
- ROBBINS, DR. JAMES J(ACOB), b. Americus, Kans, Feb. 27, 04. POLITICAL SCIENCE. A.B., California, Los Angeles, 26; M.A., Harvard, 27; Ph.D.(polit. sci), Princeton, 38. Instr. polit. sci, Western Reserve, 29-35; lectr. polit. West Virginia, 35-36; preceptor & res. assoc. polit. sci, Princeton, 37-38; asst. prof, Tulane, 38-39; independent res, Sweden, 39-40; prof, American Univ, 41-53, dean grad. div, 41-45, v-pres, 49-50, acting pres, 51-52; PRIVATE CONSULT. POLIT. SCI. CORP. & ED. INSTS, 53- Hon. fel, Am-Scandinavian Found, 61; Knight, Order North Star, Sweden, 50. Polit. Sci. Assn; Int. Polit. Sci. Assn; Soc. Legal & Polit. Philos. United States constitutional law and political theory; governmental structures and processes in nonstatist sectors of society; Scandinavian defense policies with special reference to NATO; multinational corporations. Publ: The constitutional status of business corporations, Princeton, 40; The government of labor relations in Sweden, Univ. North Carolina, 42; Norway's role in Western defense, Rand Corp, 60. Address: 2500 Wisconsin Ave. N.W., Washington, D.C. 20007.
- ROBBINS, DR. LILLIAN C(UKIER), b. Nancy, France, Sept. 6, 33; nat; m. 56; c. 2. SOCIAL PSYCHOLOGY. B.A., City Col. New York, 54; univ. fel, Illinois, 54-55, M.A., 56; Maltby fel, N.Y. Univ, 58-59, Ph.D.(soc. psychol), 61. Asst. psychol, community serv. div, City Col. New York, 56-58, instr, 60, U.S. Pub. Health Serv. fel. psychol, psychiat. dept, sch. med, 60-62, res. psychologist, 62-67; ASST. PROF. PSYCHOL, HUNTER COL, 67- Res. asst, Bellevue Med. Center, 60. AAAS; Psychol. Assn; Soc. Psychol. Study Soc. Issues; Soc. Res. Child Develop; Nat. Coun. Family Rels. Drug use and abuse; cognitive development; parental attitudes; child development. Publ: Accuracy of parental recall of aspects of child development and of child-rearing practices; Individuality in responses of children to similar environmental situations; co-auth, Implications of untoward reactions to hallucinogens, *Bull. N.Y. Acad. Med*, 67. Address: 49 E. 96th St, New York, N.Y. 10028.
- ROBBINS, DR. LOUISE M(ARIE), b. Chicago, Ill, Oct. 24, 28. ANTHROPOLOGY. A.B., Indiana, 60, M.A., 63, Ph.D.(anthrop), 68. INSTR. ANTHROP, Nebraska, 63-64; KENTUCKY, 64- Summer consult, orthod. dept, sch. dent, Nebraska, 65. U.S.N., 50-56. AAAS; Anthropol. Assn; Ethnol. Soc; Asn. Phys. Anthrop. Growth and development of monozygotic and dizygotic twins; influence of dental attrition on facial morphology; biostatistical evaluation of morphological and osteological aspects of human variation. Publ: An investigation into the physical and cultural basis of personality in college women, 62 & Personality, race and physique of college women, 63, *Proc. Ind. Acad. Sci.* Address: Dept. of Anthropology, University of Kentucky, Lexington, Ky. 40506.
- ROBBINS, DR. MICHAEL C, b. Waukegan, Ill, Oct. 1, 39; m. 62. ANTHROPOLOGY. B.A., Carleton Col, 62; Boston, 62-63; Nat. Insts. Health fel, Minnesota, 63-66, Ph.D.(anthrop), 66. ASST. PROF. ANTHROP, PA. STATE, 66- Pa. State Univ. Cent. Fund Faculty Res. grant, 66; Agr. Develop. Coun. res. grant, 67; Nat. Sci. Found. instrnl. res. grant, 67; res. assoc, Makerere Inst. Soc. Res, Makerere Univ. Col, Uganda, 67. Consult, inst. int. ed. seminar econ. develop. & soc. change, Minnesota, 65. AAAS; fel. Anthropol. Assn; Ethnol. Soc. Int. African Inst; Int. Soc. Biometeorol. Africa; human ecology; psychological anthropology; cross-cultural studies; material culture. Publ: Readings in cultural anthropology, Simon & Shuster, 67; Material culture and cognition, *Am. Anthropologist*, 6/66; House types and settlement patterns, *Minn. Archeologist*, 66. Address: Dept. of Anthropology, Pennsylvania State University, Walnut Bldg, University Park, Pa. 16802.
- ROBBINS, PROF. PAUL R, b. Elwood, Ind, Oct. 24, 18; m. 43; c. 3. AGRICULTURAL ECONOMICS. B.S. Kentucky, 42, M.S., 47; Ph.D.(agr. econ), Purdue, 53. Instr. AGR. ECON, Murray State Col, 46-48; ASSOC. PROF, PURDUE, 49- U.S.A.A.F, 42-46. Agr. Econ. Assn. Publ: Contrib. Land tenure, Economics of land use & Economics of fertilization. Address: Dept. of Agricultural Economics, Purdue University, West Lafayette, Ind. 47907.
- ROBBINS, DR. PAUL R(ICHARD), b. Washington, D.C., Oct. 27, 30; m. PSYCHOLOGY. B.A., Chicago, 50; Nat. Insts. Health fel, Columbia, 58, Ph.D., 59. Asst. psychol, Nat. Inst. Ment. Health, 54-57, res. psychologist, behav. studies sect, U.S. Pub. Health Serv, 58-62; prof. dir. consult. study, Calif. Dept. Pub. Health, 62-65; PSYCHOLOGIST, DEPT. PSYCHIAT, SCH. MED. GEORGE WASHINGTON, 66- Psychol. Assn. Motivation; personality; psychosomatic research. Publ: Some explorations into the nature of anxieties relating to illness, *Genetic Psychol. Monogr*; Level of anxiety, interference process and defensive reactions to fear-arousing information, *J. Personality*, 63; An approach to measuring psychological tensions by means of dream associations, *Psychol. Reports*, 66. Address: Apt. 812, 1101 New Hampshire Ave. N.W., Washington, D.C. 20037.

- ROBBINS, PROF. ROBERT R, b. Dayton, Ohio, Feb. 17, 09; m. 41; c. 2. POLITICAL SCIENCE. A.B. Ohio State, 32, M.A. 34, Ph.D. 41; M.A. Fletcher Sch. Law, 40; M.A. Columbia, 43. Instr. govt. Tufts, 36-42; asst. prof. polit. sci., Ohio State, 46; from officer to dep. dir. off. dependent affairs, U.S. Dept. State, 46-56; Carnegie res. fel. Coun. For. Rel. 56-57; PROF, FLETCHER SCH. LAW & JACKSON PROF. POLIT. SCI. & CHMN. DEPT. TUFTS, 57- Acting sr. cmnr, South Pacific Cmn, 51, U.S. Cmnr, 51-55; acting sr. cmnr, Caribbean Cmn, 53; alternate U.S. Rep, UN Trusteeship Coun, 54; legis. counsel, Cong. Micronesia, 65. Consult. polit. affairs, High Cmnr, Trust Territory of Pacific Islands, Saipan, 65-66; consult, Off. of Territories, U.S. Dept. Interior & Westinghouse Peace Corps Training Center, Miami, Fla, 66; Peace Corps Micronesia Training Center, San Francisco, 67. Mem. U.S. dels, UN Gen. Assemblies, 49, 53-55; UN Trusteeship Coun. Mission to French & Brit. Togolands, 55. U.S.N.R., 42-46, Res, 46-56, Comdr. Polit. Sci. Asn; Soc. Int. Law. International relations and American foreign policy, especially colonialism in international affairs and development of dependent territories toward self-government or independence. Publ: Ed, State government and public responsibility; Manual of the Congress of Micronesia, Saipan, 65. Address: Dept. of Political Science, Eaton Memorial Hall, Tufts University, Medford, Mass. 02155.
- ROBBINS, DR. SAMUEL DOWSE, b. Belmont, Mass, Dec. 28, 87; m. 17; c. 3. SPEECH PATHOLOGY, CLINICAL PSYCHOLOGY. A.B. Harvard, 11, A.M. 19; L.H.D. Emerson Col, 55. Prof. speech path, EMERSON COL, 35-53, EMER. PROF. SPEECH THER. & RES. CONSULT, 53- Dir. speech ther, Robbins Inst. Speech Correction, Emerson Col, 16-; speech corrector, Mass. Gen. Hosp, Boston, 20-43; speech therapist, Mass. Div. Ment. Hyg, 27-57. Robbins Speech & Hearing Center, Emerson Col, named 1954. Fel. AAAS; fel. Psychol. Asn; fel. Speech & Hearing Asn.(secy, 31-40, pres, 41-42). Discovery of changes in cerebral circulation during stuttering; systematic causal classification of speech, voice and language disorders; relationship between insecurity and onset of stuttering. Publ: Stammering and its treatment; Dictionary of speech pathology and therapy; co-auth, Correction of speech defects of early childhood. Address: 711 Pleasant St, Belmont, Mass. 02178.
- ROBBINS, PROF. SIDNEY M (ARTIN), b. New York, N.Y., Mar. 13, 12. FINANCE. B.S. City Col. New York, 32, M.B.A. 33; Columbia, 36-38; Ph.D. N.Y. Univ, 43. Asst. Nat. Bur. Econ. Res, 34-35; invest. adv. Bache & Co, 36-40; economist, U.S. Dept. Treas, 41-42; U.S. Fed. Pub. Housing Authority, 43-44; U.S. Dept. Army Air Force, 46-48, spec. consult, 48-49; lectr, Toledo, 48, prof. FINANCE & chmn. dept, 49-58; PROF. COLUMBIA, 58- Vis. prof, U.S. Air Force Inst. Tech, 47; chief economist, Securities & Exchange Cmn, 61-63. U.S.A., 44-45. Finance Asn; Econ. Asn; Acad. Polit. Sci. Investments; business finance; money and banking. Publ: Co-auth, Money metropolis; The financial manager, Harper, 66; auth, Securities markets, Macmillan, 66. Address: Dept. of Finance, Columbia University Graduate School of Business Administration, 105 Uris Hall, New York, N.Y. 10027.
- ROBBINS, DEAN W (INNIE) DAVID, b. Flemington, Mo. Jan. 11, 23; m. 45; c. 3. MARKETING. B.A. N.Tex. State Col, 43; M.B.A. Northwestern, 46; Ph.D. (mkt). Ohio State, 53. Asst. prof. mkt. North Texas State, 47-50; assoc. prof. bus. & econ. Rollins Col, 52-55; prof. mkt. & dir. prog, South Carolina, 55-56; lectr, grad. sch. bus. admin, Harvard, 56-59; DEAN SCH. BUS. ADMIN, RICHMOND, 59- Trustee, Ferrum Jr. Col. U.S. Merchant Marine, 43-46. Mkt. Asn. Consumer credit; sales management; life insurance. Publ: Consumer instalment loans; Successful marketing at home and abroad, Am. Mkt. Asn. Address: University of Richmond School of Business Administration, Richmond, Va. 23173.
- ROBEL, DR. ROBERT JOSEPH, Animal Ecol, see 11th ed, Phys. & Biol. Vols.
- ROBERDS, PROF. ELMO M (OSTELLER), b. Atlanta, Ga, Jan. 10, 23; m. 48; c. 2. POLITICAL SCIENCE, HISTORY. A.B. Emory, 44; M.A. North Carolina, 46; Ph.D. (hist. & polit. sci), Chicago, 54. Instr. polit. sci. & hist, Chattanooga, 46-48; assoc. prof, Bethel Col. (Tenn), 54-55; asst. prof, Florence State Col, 55-56; Ga. Inst. Tech, 56-61; polit. sci, Southern Illinois, 61-66; PROF. polit. sci. & hist, Valdosta State Col, 66-67; POLIT. SCI. W.G.A. COL, 67- Summers, fel. conf. teaching & study int. polit, Emory, 57; vis. scholar, inter-univ. consortium polit. res, Michigan, 65; Nat. Sci. Found. fel, prog, math. polit, Va. Polytech, 66. Polit. Sci. Asn. Political behavior; history of political parties; southern politics; state and local government. Address: Dept. of Political Science, West Georgia College, Carrollton, Ga. 30117.
- ROBERT, SHELBY A (NTONE), JR, b. Jackson, Tenn, Nov. 13, 14; m. 42; c. 3. ECONOMICS, AGRICULTURAL MARKETING. B.S. Miss. State Col, 36; M.S. La. State, 38; Gen. Ed. Bd. fel, Wisconsin, 40-41. Agr. economist, bur. agr. econ, U.S. Dept. Agr, 36-54, head merchandising methods res. sect, agr. mkt. serv, 54-55; mkt. res. dir, Am. Dairy Asn, 55-59; Pet Milk Co, 59-63, GEN. PROD. MGR, MUSSELMAN FRUIT PROD. DIV, PET INC, 63- U.S.C.G. 42-45. Agr. Econ. Asn. Agricultural marketing; food consumption economics. Address: Musselman Fruit Products Division, Pet Inc, Biglerville, Pa. 17307.
- ROBERTS, DR. ALAN H (ARVEY), b. Chicago, Ill, Mar. 2, 29. PSYCHOLOGY. B.A. Mich. State, 51, M.A. 52; Colorado, 54-55; Ph.D. (psychol), Denver, 58. Sch. psychologist, Colo. Rocky Mt. Sch, 53-54; supv. psychologist, Elgin State Hosp, 58-59; assoc. prof. psychol, New Mexico Highlands, 60-64; asst. prof. clin. psychol, med. sch, Colorado, 64-65; ASSOC. PROF. PHYS. MED. & PSYCHOL. MED. SCH, MINNESOTA, 66- Nat. Inst. Ment. Health sr. stipend fel, med. sch, Univ. Minnesota, 62-63. U.S.A., 46-47. Psychol. Asn. Time perspective; personality evaluation; culture and personality; small group behavior. Publ: Co-auth, Anomie, authoritarianism and prejudice: a replication, Am. J. Sociol, 56; On the interaction of the subject and the experimenter in the matching model, Psychometrika, 64; & Delay of gratification, Porteus maze test performance and behavioral adjustment in a delinquent group, J. Abnorm. Psychol, 68. Address: University of Minnesota Medical Center, 846 Mayo, Minneapolis, Minn. 55455.
- ROBERTS, DR. ALLYN F (OREST), b. Marquette, Mich, Mar. 24, 29; m. 52; c. 3. PSYCHOLOGY. B.A. North. Mich. Col, 50; M.A. Northwestern, 54; Ph.D. (clin. psychol), Mich. State, 58. Trainee psychol, Vet. Admin, 54-57; clin. psychologist, Mendota State Hosp, 57-59, dir. psychol. dept, 59-62; DIR, MIDWEST. PSYCHOL. SERV, INC, 62-, dir. clin. serv, 60-62. Partner, Counseling Assocs, 58-60; clin. instr. med. sch, Wisconsin & proj. assoc, Wis. Psychiat. Inst, 60- Psychol. Asn; Group Psychother. Asn; Asn. Marriage Counsers. Individual and group psychotherapy; clinical psychology in industry; marriage and family therapy; psychology of laughter and humor; psychology of creativity. Publ: Co-auth, Some factors related to the preception of funniness in humor stimuli & Societal variations in humor responses to cartoons, J. Soc. Psychol. Address: 408 W. Johnson St, Madison, Wis. 53706.
- ROBERTS, DR. A (MSTER) DUDLEY, b. Conklin, Ky, Feb. 18, 02; m. 25; c. 4. PSYCHOLOGY. A.B. Berea Col, 23; M.A. Kentucky, 39; fel. & Ph.D. (psychol), Michigan, 45. Asst. clinician, Mich. Psychol. Clin, 39-42; dir. dept. psychol, Lapeer State Home, Mich, 42-47; CHIEF clin. psychol, VET. ADMIN. HOSP, 47-58, PSYCHOL. SERV, 58- Psychol. Asn. Projective tests; concept formation; perception. Publ: Stickmen test; Goal gradient in a circular tank, J. Comp. Psychol; Case history of a so-called idiot-savant, J. Genetic Psychol. Address: 3404 Belvoir Dr, Lexington, Ky. 40502.
- ROBERTS, DR. BERYL, b. Boston, Mass, Aug. 21, 12. HEALTH EDUCATION. B.S. Teachers Col. City Boston, 34, M.Ed. 35; M.P.H. Mass. Inst. Tech, 43, Dr. P.H. Harvard, 56. Sr. instr. biol. & health, Boston Sch. Dept. Mass, 35-42; coordinator health ed, Boston Health Dept, Mass, 43-45; dir, Mass. Tuberc. & Health League, 45-48; instr, Harvard, sch. pub. health, 48-49, assoc, 49-52, asst. prof, 52-57; assoc. prof, PUB. HEALTH, CALIFORNIA, BERKELEY, 57-64, PROF, 64- Consult, WHO, Indonesia, India & Geneva; Ford Found. & Pop. Coun. N.Y.; cancer control br, U.S. Pub. Health Serv, 65- Mem, Nat. Cmt. Tuberc. Control. Pub. Health Asn; Soc. Pub. Health Ed. (pres, 57-58); Sociol. Asn. Educational problems in tuberculosis control; cancer control; family planning programs; behavioral sciences. Address: 1215 Brewster Dr, El Cerrito, Calif. 94532.
- ROBERTS, DR. CARL L (ESTER), b. Oakland, Calif, Sept. 16, 26; m. 50; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S. Idaho State Col, 52; A.M. Missouri, 54, Ph.D. (psychol), 59. Instr. PSYCHOL, Christian Col, 54-57; asst. prof, COLO. COL, 57-60, assoc. prof, 60-67, PROF, 67-, CHMN. DEPT, 60-, acting chmn, 58-60. Nat. Sci. Found. grant, 60-62; summers, instr, Missouri, 54-57. Consult, Kaman Aircraft Corp, 61- U.S.N.R., 44-46. AAAS; Psychol. Asn. Experimental analysis of behavior; comparative psychology and species-specific behavior. Publ: Contrib. to J. Exp. Psychol, 4/61, J. Comp. & Physiol. Psychol, 6/62 & Psychol. Record, 7/67. Address: Dept. of Psychology, Colorado College, Colorado Springs, Colo. 80903.
- ROBERTS, CHARLES D (ONALD), b. Summer Lake, Ore, Apr. 23, 12; m. 40. SOCIOLOGY, PSYCHOLOGY. B.S. Okla. State, 38, M.S. 41; Iowa, 40-42, 46; Indiana, 51-54. Asst. Okla. State, 38-40, asst. prof, 46-50; Iowa, 40-41; dir. classification, State Penitentiary, Iowa, 41-42; personnel consult, U.S. Dept. Army, 51-58; LECTR. SOCIOL, PURDUE, 58-; ANTHROP, PSYCHOL, SOCIOLOGY, & STATIST, IND. CENT. COL, 58- Lectr, Adj. Gen. Sch, U.S. Dept. Army, 51-54, Finance Sch, 52, personnel res. psychologist, 58- U.S.A., 42-46, 51-58, Res, 58-, Maj. AAAS; Sociol. Asn; Rural Sociol. Soc; Soc. Appl. Anthropol. Soc; Eugenics Soc; Soc. Study Social Probs; Genetic Asn; Anthropol. Asn; Pop. Asn; Statist Asn; Acad. Polit. & Soc. Sci. Social psychology; population and manpower; criminology and penology. Publ: Study of the levels of living of the households of farm operators in the Stillwater Creek watershed. Address: Box 55133, Uptown Station, Indianapolis, Ind. 46205.
- ROBERTS, PROF. CLARENCE RUFUS, b. West Plains, Mo, Dec. 2, 90; m. 22; c. 2. ECONOMICS. A.B. Oklahoma, 20; A.M. Colorado, 28; Columbia, 29. Supt. pub. schs, Tex, 24-37; private practice, 37-40; head dept. bus, Okla. Mil. Acad, 40-43; spec. instr. army trainees, Oklahoma, 43-44; bus. economist, U.S. Govt, Okla. & D.C. 44-47; assoc. prof. ECON. & head dept, OKLAHOMA CITY UNIV, 47-60, EMER. PROF, 60- Vis. prof, San Francisco State Col, 60-61; spec. counsr. credit dept, Liberty Nat. Bank, Oklahoma City, 61-65; private practice, 65- U.S.A., 17-19. Bankers and trade acceptances; reading interest of teachers; consumer economics. Publ: Co-auth, Principles of economics. Address: 1116 Bedford Dr, Oklahoma City, Okla. 73116.
- ROBERTS, DEAN DAVID R (ENSHAW), b. Tuckahoe, N.Y., Aug. 14, 11; m. 45; c. 1. ECONOMICS. B.S. Boston, 33; A.M. Harvard, 40, Ph.D. 41. Instr. econ, Allegheny Col, 41-43; economist, War Prod. Bd, 44-46; econ. analyst, U.S. Dept. Commerce, 46-47; prof. econ, Carnegie Inst. Tech, 47-55; PROF. ECON. & DEAN COL. BUS. ADMIN, BUTLER, 55- Chief economist, U.S. Wage & Salary Stabilization Bd, 52. Consult, Nat. Security Resources Bd; U.S. Bur. Budget. Econ. Asn; Indust. Rels. Res. Asn. Labor economics; executive compensation and development. Publ: Executive compensation; Measures of employment, Surv. Current Bus; General theory of executive compensation based on statistically tested propositions, Quart J. Econ. Address: 311 W. 46th St, Indianapolis, Ind. 46208.
- ROBERTS, DR. DOROTHY F, b. Jasper, Mo, Jan. 16, 21. POLITICAL SCIENCE. A.B. Park Col, 43; Ph.D. (int. rels), Chicago, 56; LL.B. Columbia, 60. Admin. asst, UNRRA, Hq. Off, 44-45. Displaced Persons Opers, Germany, 45-46; instr. polit. sci, Univ. Connecticut, 51-56; attorney, 60-65; ASSOC. PROF. HIST. & POLIT. SCI, DAVIS & ELKINS COL, 65- Juvenile officer, State of Mo, 62-64; summer grants, Harry S. Truman Library Inst. Nat. & Int. Affairs, 66, Regional Coun. Int. Ed, Univ. Pittsburgh, 67 & Va. Polytech. & Nat. Sci. Found, 68. Bar Asn; Soc. Int. Law; Acad. Polit. & Soc. Sci; Polit. Sci. Asn. United States foreign policy, particularly the study of the factors which influence the formulation of American foreign policy. Address: Dept. of History & Political Science, Davis & Elkins College, Elkins, W.Va. 26241.
- ROBERTS, DR. EDWARD B (AER), b. Chelsea, Mass, Nov. 18, 35; m. 59; c. 3. MANAGEMENT. S.B. & S.M. Mass. Inst. Tech, 58, S.M. 60, Ph.D. 62.

- MEM. INDUST. DYNAMICS RES. GROUP, MASS. INST. TECH, 58-; ASSOC. DIR. RES. PROG. ON MGT. OF SCI. & TECH, 63-; ASSOC. PROF., SLOAN SCH. MGT, 65-, instr., 59-61, asst. prof., 61-65. Co-founder & pres, Pugh-Roberts Assocs, Inc, 63-; treas, Ecole Bilingue, Belmont, Mass, 68- Dir, Tyco Labs, Inc, 65- Consult, NASA, 61; numerous indust. corp, 61-; mem. adv. bd, New Eng. Res. Applns. Center, Univ. Connecticut, 67-; U.S. Dept. Commerce Tech. Adv. Bd, 67-; U.S. Air Force Sci. Adv. Bd, 67- Am. Mkt. Assn. award, 66. AAAS; Econ. Assn; Inst. Elec. & Electronic Eng; Inst. Mgt. Sci. Dynamics of industrial and economic systems; management of research and development. Publ: Dynamics of research and development, Harper, 64; co-auth, System simulation for regional analysis, M.I.T. Press, 68. Address: 17 Fellsmere Rd, Newton, Mass. 02159.
- ROBERTS, PROF. EVAN OWEN, b. Cambria, Wis, Dec. 14, 06; m. 48. ECONOMICS, MARKETING. A.B, Wisconsin, 29, M.A., 38, Ph.D., 46. Purchasing agent, Swift & Co, 30-35; from instr. to PROF. ECON. & MKT, WEST VIRGINIA, 39- Econ. Assn; Mkt. Assn. Industrial procurement; marketing research. Publ: Modern industrial procurement, its practice and economic implications. Address: College of Commerce, West Virginia University, Morgantown, W.Va. 26505.
- ROBERTS, DR. FRANK H(AROLD) H(ANNA), Lthnol, Archaeol, see 10th ed, Soc. & Behav. Vols, deceased 66.
- ROBERTS, PROF. FRANK L, b. Le Fors, Tex, Mar. 30, 15; m. 46; c. 4. MARKETING, BUSINESS MANAGEMENT. B.S, Arkansas, 38; M.B.A, Texas, 40; Ph.D, Illinois, 52. Acct, United Fruit Co, 38-39; H.B. Mills & Co, 40-42; asst. prof. econ. & bus, Col. William & Mary, 46-48; instr. mkt, Illinois, 48-52; assoc. prof, Nebraska, 52-55; indust. res. Arkansas, 55-57; assoc. prof. mkt. & assoc. dir. bus. res, Wisconsin, 57-59; PROF. MKT. & CHMN. DEPT, CALIF. STATE COL. FULLERTON, 60- Mem, Am. Coun. Learned Socis, 41- U.S.N.R., 42-46, Lt. Mkt. Assn; Econ. Assn. Marketing and marketing administration; organization behavior and administration; business and administrative policies. Publ: Organization in a retail store; Reducing the risks in product development; Economic significance of St. Lawrence Seaway to Wisconsin. Address: 1507 E. Harmony Lane, Fullerton, Calif. 92631.
- ROBERTS, DR. GEORGE C, b. Lafayette, Ind, Nov, 31; m. POLITICAL SCIENCE. B.S, Purdue, 53; A.M, Indiana, 54, Ph.D.(govt), 62. Lectr. GOVT. southeast campus, Indiana, 58-59; from instr. to ASST. PROF, Arkansas, 59-66; NORTHWEST CAMPUS, INDIANA, 66- U.S.A., 54-56. Polit. Sci. Assn. Political parties; legislation; political process. Publ: Co-auth, Apportionment and reapportionment in Indiana, Bur. Govt. Res, Indiana Univ, 57; auth, The 1964 presidential election in Arkansas, In: The 1964 presidential election in the southwest, Arnold Found, Southern Methodist Univ, 66. Address: Dept. of Government, Indiana University, Northwest Campus, Gary, Ind. 46408.
- ROBERTS, PROF. GEORGE O(WEN), b. Sierra Leone, W.Africa, Jan. 15, 28; nat; m. 51; c. 3. SOCIOLOGY. B.S, Hampton Inst, 52; M.A, Catholic Univ, 55, Ford Found, Carnegie Found. & Nat. Insts. Health fcls. & Ph.D. 61. Prof. soc. sci. Alcorn Agr. & Mech. Col. 59-60; assoc. prof. sociol, Va. State Col, 60-63; PROF. SOCIOL. & AFRICAN STUDIES, STATE UNIV. N.Y. COL. NEW PALTZ, 63- Sociol. Assn; Acad. Polit. & Soc. Sci. Social anthropology; medical sociology; family relations. Publ: Factors influencing cultural receptivity; Social and cultural differentials in acceptance of health programs; Dating and courtship patterns of behavior among college students. Address: Dept. of Sociology, State University of New York College at New Paltz, New Paltz, N.Y. 12561.
- ROBERTS, DR. GUY L(ETON), b. Benton, Ill, Dec. 13, 04; m; c. 2. PSYCHOLOGY, COUNSELING. Ed.B, Southern Illinois, 28; M.A, Pittsburgh, 32, Ph.D.(ed. psychol), 51; Boston, 38-39; Glasgow, 45. Teacher & counsr, high sch, Pa, 29-37; counsr, YMCA, W.Va, 37-38; minister, Methodist Church, 40-60; psychotherapist, 60-61; teacher psychol. & counsr, Ga. Southwest. Col, 62-65; ASSOC. PROF. PSYCHOL. & COUNSR, PA. STATE, 65- Nat. Sci. Found. fel, 65. Soc. welfare consult, Pittsburgh Area Coun. Churches, 48-50. A.U.S., 42-46, Capt. Psychol. Assn; Acad. Relig. & Ment. Health. Personality assessment by means of a sentence structure scale; mental health. Publ: Where delinquency begins, Knox, 58; Mount Carmel, Pageant, 64; Personal growth and adjustment, Holbrook, 68. Address: 1109 Summit St, McKeesport, Pa. 15131.
- ROBERTS, DR. HAROLD S, b. Poland, Mar. 14, 11; m. 39; c. 3. ECONOMICS. B.S.S., City Col. New York, 34; A.M, Columbia, 38, Ph.D., 44. Admin. officer & econ. consult, Nat. War Labor Bd, 42-46; chief collective bargaining div, U.S. Dept. Labor, 46-47; vis. prof. econ, HAWAII, 48, chmn. dept, 49, DIR. INDUST. RELS. CENTER, 50-, dean col. bus. admin, 50-60. Chmn. Tripartite Employ. Serv. Adv. Coun, Hawaii. Arbitrator, various contracts; adv, U.S. govt. dcls, Int. Labour Orgn. Confs, Mexico City & Seattle, 46; admin. asst. to Gov. of Hawaii, 52-53; mem, Hawaii Judicial Coun, 61- Consult, City & County of Honolulu Personnel Mgt. Eval. Prog, 65-68. Wills award indust. rels, 59. Econ. Assn; Statist. Assn; Indust. Rels. Res. Assn; Acad. Polit. Sci. Collective bargaining; seizure in labor disputes; prelude to statehood. Publ: Rubber workers; co-auth, Challenge of industrial relations in Pacific Asian countries, East-West Center Press, 65; auth, Roberts' dictionary of industrial relations, Bur. Nat. Affairs, 66. Address: 2466 Oahu Ave, Honolulu, Hawaii 96822.
- ROBERTS, PROF. HARRY V(IVIAN), b. Peoria, Ill, May 1, 23; m. 43; c. 2. STATISTICS, ECONOMICS. B.A, Chicago, 43, M.B.A., 47, Ph.D.(bus), 55. Mgr. res, midwest off, McCann-Erickson, Inc, 46-49; PROF. STATIST, CHICAGO, 49- U.S.A., 43-45. AAAS; fel. Statist. Assn; Econ. Assn; Inst. Math. Statist; Economet. Soc; Mkt. Assn; Royal Statist. Soc. Applied statistics; marketing; economic theory; Bayesian inference and decision theory, theoretical and applied. Publ: Co-auth, Statistics, a new approach; auth, Probabilistic prediction, 3/65 & Informative stopping rules and inferences about population size, 9/67, J. Am. Statist. Assn. Address: Graduate School of Business, University of Chicago, Chicago, Ill. 60637.
- ROBERTS, PROF. HARRY W(ALTER), b. Philadelphia, Pa, Oct. 5, 02; m. 40. SOCIOLOGY. A.B, Wilberforce, 29; B.D, Yale, 32, Ph.D.(race rels), 43; cert, Oxford, 33; M.A, London, 34; Chicago, 35. From instr. to PROF. SOCIOLOG. & HEAD DEPT, VA. STATE COL, 35- Spec. asst, Va. Polytech, 37-39; soc. sci. specialist, U.S. Dept. Agr, 40. Commercial consult, ed. & legal defense fund, Nat. Assn. Adv. Colored People, 54- Sociol. Assn; Rural Sociol. Soc; Soc. Study Soc. Prob.(secy, 55-57); Acad. Polit. & Soc. Sci. Rural life, churches and ministers; effects of farm ownership on rural family life; impact of military service upon the racial attitudes of Negro servicemen in World War II. Address: Dept. of Sociology, Virginia State College, Petersburg, Va. 23806.
- ROBERTS, DR. HAZEL V(an DYKE), Econ, see 10th ed, Soc. & Behav. Vols.
- ROBERTS, PROF. JAMES STENIUS, b. Detroit, Mich, Sept. 17, 24; m. 49; c. 3. POLITICAL SCIENCE. B.S, Kansas State Col, 33, M.S., 35; Gen. Ed. 50; Am-Scandinavian Found. fel, Sweden, 50-51; Ph.D, North Carolina, 55. Instr. polit. sci, North Carolina, 48-49, 51-54; asst. prof. polit. sci. & Scandinavian area studies, Minnesota, 54-56; HIST. & POLIT. SCI, NEVADA, 56-59, ASSOC. PROF, 59-, dir. bur. govt. res, 61-62. Prof. & adv, Univ. Panjab, 62-64; dep. budget admin, State of Nev, 65-67; prof. & adv, Univ. Lagos, summer, 67. U.S.A., 42-44. Polit. Sci. Assn; Soc. Pub. Admin. American government; public administration; Scandinavian area studies. Publ: Racial restrictive covenants, Soc. & Social Res; Scandinavian foreign policy, New Studies Hist. & Polit. Sci. Address: Dept. of Political Science, University of Nevada, Reno, Nev. 89507.
- ROBERTS, PROF. JOHN B(ISELL), b. Kirwin, Kans, Oct. 25, 05; m. 35; c. 3. AGRICULTURAL ECONOMICS. B.S, Kansas State Col, 33, M.S., 35; Gen. Ed. Bd. fel, Harvard, 39-40; California, 47-48. Instr. farm mgt. & costs, Kansas State Col, 34-36; asst. mkt, KENTUCKY, 36-38, assoc. econ. & asst. prof. agr. econ, 38-50, economist mkt, grad. faculty, 51-56, PROF. AGR. ECON, 56- Vis. prof, Newcastle, 67. Consult, dairy & poultry br, U.S. Dept. Agr, 42-47; mem, Gov. Cmn. Agr, 64- Agr. Econ. Assn. Milk and dairy products marketing; market control, policy, price techniques and egg marketing; market structure and pricing; factors in homemakers food buying decisions. Publ: Kentucky bottled milk industry, Ky. Exp. Sta. Bull; Merchandizing milk and dairy products through grocery stores; Sources of information and food buying decisions, In: Southern cooperative series, Univ. Kentucky, 63. Address: 242 Chennault Rd, Lexington, Ky. 40502.
- ROBERTS, PROF. JOHN M(ILTON), b. Omaha, Nebr, Dec. 8, 16; m. 61; c. 2. ANTHROPOLOGY. A.B, Nebraska, 37; Chicago, 37-39; Ph.D.(anthrop), Yale, 47. Asst, Yale, 46-47; asst. prof, dept. anthrop, Minnesota, 47-48; asst. prof. dept. soc. rels, Harvard, 48-53; assoc. prof. anthrop, Nebraska, 53-55, PROF. 55-58; ANTHROP, CORNELL, 58-, acting chmn. dept, 66-67. Fel. Center Adv. Study Behav. Sci, 56-57. U.S.A., 42-45, Capt. Fel. AAAS; fel. Anthrop. Assn; Ethnol. Soc.(pres, 60); Ling. Soc; Soc. Am. Archaeol; Soc. Appl. Anthropol; fel. Sociol. Assn; fel. Royal Anthropol. Inst. Gt. Brit. Southwestern ethnology; small group cultures; codes and models; values; highway studies; primitive law and government. Publ: Zuni daily life; co-auth, Language of experience & Zuni law. Address: Dept. of Anthropology, Cornell University, Ithaca, N.Y. 14850.
- ROBERTS, DR. LYNN K(ETH), b. Ames, N.Y, Feb. 8, 16; m. 54; c. 1. PSYCHOLOGY. Ph.D.(psychol), Iowa, 50. Clin. psychologist, MENT. HYG. UNIT, VET. ADMIN. CENTER, 50-53, sup. clin. psychologist, 53-55, CHIEF CLIN. PSYCHOL, 55- U.S.A.A.F, 41-45, Lt. Col. Psychol. Assn. Prediction of potential to change behavior; learning. Publ: Failure of some Rorschach indices to predict the outcome of psychotherapy, J. Consult. Psychol. Address: 1223 46th St, Des Moines, Iowa 50311.
- ROBERTS, DR. MARTHA ANNE, b. Tucson, Ariz, May 18, 28. SOCIOLOGY. B.S, Northwestern, 50; M.A, Arizona, 61; univ. fel. & Ph.D.(sociol), Southern California, 67. Teenage prog. dir, YWCA, Tucson, 50-53 & Los Angeles, Calif, 55-58; teacher, pub. schs, Ariz, 59-63; ASST. PROF. SOCIOL. Calif. State Col. Long Beach, 65-67; GA. STATE COL, 67- Sociol. Assn. Relationship between such factors as amount of group interaction, group identification, group role and the generalized other and their effect on individual conformity and internalization. Address: Dept. of Sociology, Georgia State College, Atlanta, Ga. 30303.
- ROBERTS, PROF. MERRILL J(OSEPH), b. Glendive, Mont, Aug. 10, 15; m. 41; c. 4. ECONOMICS. A.B, Minnesota, 38; M.B.A, Chicago, 39, Ph.D., 52. Economist, Off. Price Admin, 41-42, bur. mkt. & transportation res, U.S. Dept. Agr, 42; Tenn. Valley Authority, 46-48; from asst. prof. to assoc. prof. transportation & econ, Florida, 48-54, PROF. econ, 55-58; TRANSPORTATION & ECON, PITTSBURGH, 58- Vis. prof, Mich. State, 56-57. Consult, U.S. Dept. Agr, 58, U.S. Dept. Commerce, 59; Govt. Venezuela, 59; Exec. Coun, Alberta, 60-61; Chesapeake & Ohio Rwy, 61; Dept. Commerce & Indust, Man, Can, 62; Am. Tel. & Tel. Co. & Wash. Metrop. Transportation Cmn, 66-67; Agency Int. Develop, U.S. Dept. State, 68. Mem. bd. dirs, Port Authority of Allegheny County, 62-; res. cmt, Transportation Assn. Am, 64- Econ. Assn; Soc. Traffic & Transportation; Transportation Res. Forum. Analysis of transport markets; transport pricing policies; social organization of the transport industries; regulatory policy. Publ: Evaluation of rate regulation; co-auth, Citrus freight rates: development and economic appraisal; Transportation: principles and problems. Address: 1145 Sunrise Dr, Pittsburgh, Pa. 15243.
- ROBERTS, DR. MICHAEL CHARLES, b. Falmouth, Eng, Nov. 19, 37; m. 61; c. 1. GEOGRAPHY. B.Sc, London, 60; M.A, Toronto, 65; Ph.D.(geog), Iowa, 66. ASST. PROF. GEOG, Iowa, summer 65; Okla. State, 65-66; OREGON STATE, 66- Asn. Am. Geog; Can. Asn. Geog; fel. Royal Geog. Soc. Field techniques in geography; quantitative landform analysis. Publ: Some empirical regularities of the Humber river drainage net, Proc. Iowa Acad. Sci, 63; co-auth, The spatial variations in urban left-wing voting in England and Wales 1951, Ann. Asn. Am. Geog, 65; auth, The hydraulic geometry of the middle and upper portions of Mosca Creek, Colorado, Proc. Okla. Acad. Sci, 66. Address: Dept. of Geography, Oregon State University, Corvallis, Ore. 97331.

- ROBERTS, PROF. NORMAN KEITH, b. Salt Lake City, Utah, Jan. 7, 19; m. 44; c. 7. AGRICULTURAL ECONOMICS. B.S. Iowa State Col. 48, M.S. 49; California, 49-50; Ph.D. (agr. econ), Kentucky, 58. Asst. agr. econ. Iowa State Col. 49; California, 49-50; asst. prof. Nevada, 50-51; asst. economist, Hawaii, 51-53; asst. prof. AGR. ECON. Florida, 54-57; assoc. prof. UTAH STATE, 57-63, PROF. 63-, HEAD DEPT. & DIR. ECON. RES. CENTER, 67-, mem. Bolivia team, 65. U.S.A.A.F., 42-43. Agr. Econ. Asn; Soc. Range Mgt. Resource economics. Address: Dept. of Agricultural Economics, Utah State University, Logan, Utah 84321.
- ROBERTS, DR. PAUL CRAIG, b. Atlanta, Ga. Apr. 3, 39. ECONOMICS. B.S. Ga. Inst. Tech. 61; Earhart fels, Virginia, 61-62 & 63-64, Ph.D. (econ), 67; California, Berkeley, 62-63; Reim fel, Oxford, 64-65. ASST. PROF. ECON. VA. POLYTECH, 65- Exchange student to Soviet Union, summer, 61; res. div. Va. Polytech. & CESES, Milano, Italy res. grant, 67-68. Mem. exec. coun. Va. Intercol. Studies Conf, 68- Econ. Asn. Administrative requirements of central economic planning; Soviet economic system; economic history of the Middle Ages; monetary theory and policy. Publ: The Pirenne thesis: a reformulation, *Classica et Mediaevalia*, 64; Drewnowski's economic theory of socialism, *J. Polit. Econ.*, 8/68; co-auth, Alienation and central planning in Marx, *Slavic Rev. Am. Quart. Soviet & E. European Studies*, 9/68. Address: Dept. of Economics, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- ROBERTS, PROF. RALPH M (YRON), b. Waterbury, Conn, Mar. 28, 15; m. 41; c. 3. PSYCHOLOGY. A.B. Alabama, 40, M.A. 47; M.A. Columbia, 50; Ed.D. 51. Teacher-couns. pub. schs, Ala. 47-49; asst. prof. counseling ed. ALABAMA, 51-54, assoc. prof. 54-60, PROF. COUNSELING ED. & HEAD ED. SERV. AREA, COL. ED. 60-, CHMN. DEPT. GUID. & COUNSELING, 54-, dir. Nat. Defense Ed. Act Guid. Inst. 59-61. Consult. Nat. Defense Ed. Act. Counseling & Guid. Insts. Prog. U.S. Off. Ed. 59- U.S.A. 40-64, Lt. Col. Psychol. Asn; Personnel & Guid. Asn. Counselor education; public school guidance programs; readability of instructional materials; improvement of reading; education of exceptional children. Publ: Co-auth, Teen age tales, Vols. I, II & IV; auth, *Crusade of the Christmas seal*. Address: Two Forest Lake, Tuscaloosa, Ala. 35401.
- ROBERTS, DR. RAY C (ROUSE), JR, b. Burlington, N.C., Jan. 8, 29; m. 52; c. 4. ECONOMICS, BUSINESS ADMINISTRATION. A.B. Duke, 50; M.S. North Carolina, 57, South. Fels. Fund fel. & Ph.D. 61. Indust. engr. Glen Raven Cotton Mills, Inc. N.C. 52-54; assoc. prof. econ. Old Dom. Col. 56-63, prof. 63-67, chmn. dept. 62-67; DEAN SCH. BUS. ADMIN. WINTHROP COL. 67- Col-bus. summer fel. E.I. duPont de Nemours & Co. 62; vis. assoc. prof. Duke, 64-65. U.S.M.C. 50-52, Res. 52-, Lt. Col. Econ. Asn. Labor relations; job evaluation; collective bargaining. Publ: Collective bargaining for federal employees, *Iowa Bus. Digest*, 7/65; Unemployment and its solutions, *Labor Law J.*, 10/65; The monitors and the teamsters, *Miss. Valley J. Bus. & Econ.* fall 66. Address: School of Business Administration, Winthrop College, Rock Hill, S.C. 29730.
- ROBERTS, RICHARD J (JOSEPH), S.J., b. San Francisco, Calif., Oct. 26, 14. POLITICAL SCIENCE. A.B. San Francisco, 35; A.M. St. Louis, 43, Ph.D. (polit. sci.), 61; S.T.L. Alma Col. (Calif.), 49. Instr. polit. sci. San Francisco, 43-44; St. Ignatius High Sch, 44-45; POLIT. SCI. SANTA CLARA, 51-56, asst. prof. 56-57, 61-63, ASSOC. PROF. 63- Polit. Sci. Asn. Philosophy of civil rights; housing. Publ: Fair housing laws: a tool for racial equality, *Soc. Order*. Address: Dept. of Political Science, University of Santa Clara, Santa Clara, Calif. 95053.
- ROBERTS, ROY L (EO), b. Independence, Mo., Oct. 15, 02; m. 23; c. 1. SOCIOLOGY. B.A. Kansas, 30, M.A. 31; Chicago, 36. Tech. asst. pop. study, Kans. State Planning Bd. 34-35; dir. bur. res. & statist. Kans. State Bd. Soc. Welfare, 37-39; tech. asst. soc. welfare, res. dept. Kans. Legis. Coun. 39; assoc. soc. sci. analyst, rural sociol. U.S. Dept. Agr. 39-43, soc. sci. analyst, 43-47; AGR. ADV. SOC. INS. SOC. SECURITY ADMIN. DEPT. HEALTH, ED. & WELFARE, 47- Consult. res. dept. Kans. Legis. Coun. 37. Sociol. Asn; Rural Sociol. Soc. Social insurance; retirement adjustment made by farmers; farm labor. Publ: Co-auth, *People of Kansas*; Analysis of specified farm characteristics for farms classified by total value of products. Address: Social Security Administration, Baltimore, Md. 21235.
- ROBERTS, PROF. S. (OLIVER), b. Alexandria, Va., May 21, 10; m. 42; c. 3. PSYCHOLOGY. A.B. Brown, 32, M.A. 33; Bivin Found. fel. Minnesota, 36-37, Ph.D. (child welfare, psychol), 44; Chicago, 41. Instr. psychol. & ed. Atlanta, 33-36; asst. Minnesota, 37-38; consult. high sch, 38-39; assoc. prof. psychol. & ed. Ark. Mech. & Norm. Col. 39-42, dean students & prof. ed. 44-45; acting dean, Dunbar Jr. Col. 42-43; PROF. PSYCHOL. & ED. FISK, 45-, CHMN. DEPT. PSYCHOL. 50- Lectr. Meharry Med. Col. 45; Soc. Sci. grant-in-aid, 53; Ford faculty fel. 53-54. Fel. Psychol. Asn; fel. Soc. Res. Child Develop. Growth and development of racial minorities; social and regional factors in intelligence personality and adjustment; achievement testing. Publ: Ed, *Negro American youth, mental health and world citizenship*. Address: Dept. of Psychology, Fisk University, Nashville, Tenn. 37203.
- ROBERTS, DR. THOMAS, b. Philadelphia, Pa., Jan. 17, 13; m. 41; c. 2. ECONOMICS, INDUSTRIAL RELATIONS. A.B. Pennsylvania, 33, M.A. 39, Ph.D. 59. Instr. econ. Temple, 47-59, asst. prof. 59-60; assoc. prof. & chmn. dept. Villanova, 61-64; EXEC. DIR. SMALL BUS. OPPORTUNITIES CORP. 64- Ford Summer fel. Stanford, 59. Econ. Asn; Arbit. Asn; Indust. Rels. Res. Asn. Labor economics and history; comparative labor movements. Address: Philadelphia Apts, Apt. 7B-21, 2401 Pennsylvania Ave, Philadelphia, Pa. 19130.
- ROBERTS, DR. WARREN, JR, b. Macon, Ga., Apr. 1, 15; m. 52; c. 2. POLITICAL SCIENCE. A.B. Emory, 36; A.M. Princeton, 39, Ph.D. (polit), 50. Instr. POLIT. SCI. TULANE, 46-49, asst. prof. NEWCOMB COL. 49-62, ASSOC. PROF. 62- Sig-C, U.S.A. 42-46. Polit. Sci. Asn; Am. Studies Asn. Political theory; American political institutions and behavior; Bentham's political theory. Publ: Behavioural factors in Bentham's conception of political change, *Polit. Studies*, 62; Diversity consensus, and eclecticism in political science, *Southwest. Soc. Sci. Quart.*, 67. Address: Dept. of Political Science, Newcomb College of Tulane University, New Orleans, La. 70118.
- ROBERTS, DR. WARREN A (LDRICH), b. Galva, Iowa, Nov. 28, 01; m. 26; c. 3. ECONOMICS, POLITICAL SCIENCE. A.B. Gooding Col. 24; M.A. Idaho, 28; M.A. Harvard, 29, Ph.D. 32. Instr. econ. Arizona, 32-37; Western Reserve, 37-44; prof. econ. & polit. sci. Wabash Col. 47-67; RES. & WRITING, 67- Guggenheim fel. 40; int. economist, U.S. Dept. State, 40. Consult. 30- Some aspects of developing world constitution. Publ: Community as matrix, In: *Community, NOMOS II*, 59; Reflections on political integrity, In: *Responsibility, NOMOS III*, 60; Mine taxation in developing countries, In: *Extractive resources and taxation*, Univ. Wisconsin, 67. Address: 176 Academy Lane, Sonoma, Calif. 95476.
- ROBERTS, PROF. WARREN E (VERETT), Eng, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- ROBERTS, PROF. WARREN WILCOX, b. Lincoln, Nebr., Oct. 22, 26. PSYCHOLOGY. B.A. Stanford, 48, M.A. 53; Ph.D. Yale, 56. U.S. Pub. Health Serv. res. fel. psychol. Yale, 56-57; asst. res. anatomist, med. center, California, Los Angeles, 57-59; asst. prof. PSYCHOL. Syracuse, 59-62; assoc. prof. MINNESOTA, MINNEAPOLIS, 62-64, PROF. 64- Psychol. Asn; Psychonomic Soc. Brain mechanisms of motivation and learning; physiological psychology. Address: Dept. of Psychology, University of Minnesota, Minneapolis, Minn. 55455.
- ROBERTS, PROF. WILLIAM E (DWARD), b. Iowa Falls, Iowa, Aug. 24, 18. ECONOMICS. A.B. Iowa, 39; Iowa State Col. 39-40; A.M. Missouri, 41; Duke, 48; fel. Colorado, 52-53, scholar, 63-64, Ph.D. (econ), 66; Econ-in-Action fel. Case, 54. Agr. economist, U.S. Dept. Agr. 42, 48; asst. prof. N.C. State Col. 46-48; assoc. prof. soc. studies, MISS STATE COL. WOMEN, 48-65, PROF. ECON. 65-, HEAD DEPT. SOC. STUDIES, 67- Res. asst. Colorado, 64-65. U.S.A.A.F., 42-45. Econ. Asn. Labor economics; general economic theory; monetary and fiscal theory. Address: Dept. of Social Studies, Mississippi State College for Women, Box 1117, Columbus, Miss. 39701.
- ROBERTS, PROF. WILLIAM H (ENRY), b. Rangoon, Burma, Aug. 10, 88; U.S. citizen; m. 21; c. 2. PSYCHOLOGY. B.A. Rochester, 10; M.A. Columbia, 16; Ph.D. (psychol), Northwestern, 31. Prof. math. Judson Col. Burma, 12-14; mem. staff, Angus Co. Ltd. India, 19-22; prof. philos. Redlands, 23-34; asst. prof. psychol. Wisconsin, 44-46; prof. Morningside Col. 46-51; coordinator gen. ed. Philander Smith Col. 54-58; vis. assoc. prof. math. Colby Col. 58-59; assoc. prof. PHILOS. PHILANDER SMITH COL. 59-60, prof. 60-66, EMER. PROF. 66- Part-time prof. psychol. Rust Col. 67- U.S.A. 17-19, 2nd Lt. Psychol. Asn. Philosophy; psychology of learning; discrimination; clinical psychology. Publ: Problem of choice, an introduction to ethics; Effect of delayed feeding on white rats in a problem cage, *J. Genetic Psychol.*; Two dimensional analysis of differences in the frequency of vibration by means of the sense of touch, *J. Franklin Inst.* Address: Dept. of Psychology, Rust College, Holly Springs, Miss. 38635.
- ROBERTS, W (ILLIAM) KEITH, b. Arcola, Ill., Dec. 19, 22; m. 48; c. 5. INDUSTRIAL PSYCHOLOGY. B.S. Purdue, 50, M.S. 51. Instr. psychol. Gen. Motors Inst. Gen. Motors Corp. 51, personnel eval. specialist, 53-54, superv. ed. & training, Linden Plant, 54-56; adminstr. training & develop. plumbing & heating div. Am. Radiator & Standard Sanit. Corp. 56-59; dir. personnel develop. missile systs. div. Raytheon Co. 59-61, mgr. mgt. develop. 61-64; personnel & orgn. develop. consult. Abbott Labs, Ill. 64-66; MGR. PERSONNEL DEVELOP. SERV. ALLIS-CHALMERS MFG. CO. MILWAUKEE, 66- U.S.A.F. 42-45, 51-53, 1st Lt. Psychol. Asn; Soc. Training & Develop. Personnel research and personnel development and training. Publ: Paired comparison ratings & Reliability of ratings based on partial pairings, *J. Appl. Psychol.* Address: Box 60, Route 2, Grafton, Wis. 53024.
- ROBERTS, LT. COL. WILLIAM M (ARVIN), JR, U.S.A.F. b. Omaha, Nebr., Jan. 25, 22; m. 46; c. 2. GEOGRAPHY, ECONOMICS. B.A. Iowa, 50, M.A. 51; Ph.D. (geog.), Washington (Seattle), 64. U.S. AIR FORCE, 41-45, 51-, instr. GEOG. U.S. AIR FORCE ACAD. 58-60, asst. prof. 62-64, ASSOC. PROF. 64- Lectr. Univ. Colorado, 65- Am. Geog. Soc. Asn. Am. Geog. Asn. Adv. Slavic Studies. Soviet economic development; new approaches to the study of political geography. Publ: Soviet economic regionalization: the contribution of the 1920's, *Rocky Mt. Soc. Sci. J.*, 4/66. Address: Dept. of Geography, U.S. Air Force Academy, Colo. 80840.
- ROBERTS-LANG, DR. ALICE, Neurophysiol, see 11th ed, Phys. & Biol. Vols.
- ROBERTSON, PROF. CHARLES L (ANGNER), b. Milan, Italy, July 30, 27; U.S. citizen; m. 50; c. 2. POLITICAL SCIENCE. B.S. & M.A. Northwestern, 50; Fulbright fel. Strasbourg, 50-51; fel. Princeton, 51-53; M.A. 52, Ph.D. 59. Instr. polit. Princeton, 52-53; GOVT. SMITH COL. 54-59, asst. prof. 59-63, assoc. prof. 63-68, PROF. 68- Lectr. Massachusetts, 58-59 & 63-64. U.S.A. 45-47. Polit. Sci. Asn; Int. Studies Asn. International politics; American foreign policy; international organization. Publ: The emergency oil lift to Europe in the Suez crisis, *Bobbs*, 65; International politics since World War II: a short history, Wiley, 66. Address: 71 Dryad's Green, Northampton, Mass. 01060.
- ROBERTSON, INA CULLOM, Geog, see 10th ed, Soc. & Behav. Vols.
- ROBERTSON, PROF. JACK E (UGENE), b. Blytheville, Ark., Aug. 24, 16. ECONOMICS. B.S. Arkansas, 48; M.S. N. Tex. State Col. 49; fel. Tulane, 54-57, Ph.D. (econ), 61. From instr. to asst. prof. ECON. Ark. Agr. & Mech. Col. 49-53; instr. Tulane, 54-57; asst. prof. Wichita, 57-63; PROF. & DIR. DIV. BUS. ADMIN. & ECON. W.VA. INST. TECH. 63- U.S.A.A.F. 41-45, Sgt. Econ. Asn. Comparative tax burdens for a midwestern city; regressivity of sales tax; residential property tax and personal property tax. Publ: Folklore of institutional economics, *Southwest. Soc. Sci. Quart.* Address: Division of Business Administration & Economics, West Virginia Institute of Technology, Montgomery, W.Va. 25136.

- ROBERTSON, DR. JAMES B, b. Portland, Ore, Feb. 2, 29; m. 67; c. 3. PSYCHOLOGY. B.S. Portland State Col, 59; B.S. Oregon, 54, M.S. 56, fel, 61, Ed.D.(spec. ed, ed. psychol), 62. Caseworker, Clackamas County Pub. Welfare Dept, 54; teacher, pub. schs, Ore, 55-59; supvr. student teachers, Portland State Col, 59-61; sch. psychologist, pub. schs, Wash, 61-64; psychologist, 64-65; ASSOC. PROF. PSYCHOL. SOUTH. ORE. COL, 65- Instr, div. continuing ed, Ore. State Syst. Higher Ed, 60-62 & 66-; exten. classes, Cent. Wash. State Col, 64-65. Summer vis. prof, South. Ore. Col, 62, Cent. Wash. State Col, 63 & 64. Consult. psychologist, Jackson County Family & Child Guid. Clin, Ore, 65-67. U.S.A. 51-53. Psychol. Asn. Goal-setting behavior of children and their parents. Address: Dept. of Psychology, Southern Oregon College, Ashland, Ore. 97520.
- ROBERTSON, DR. JOSEPH G(RAY), JR, Psychol, see 11th ed, Phys. & Biol. Vols.
- ROBERTSON, JOSEPH M, b. Glen Dean, Ky, Jan. 11, 16; m. 40; c. 3. PUBLIC ADMINISTRATION, POLITICAL SCIENCE. A.B. West. Ky. State Col, 46; M.A. Alabama, 47; South. Regional Training Prog. fel, Minnesota, Minneapolis, 47-49. Res. asst, Univ. Alabama, 47, asst. to dir. admin-teaching, 49-50, acting dir. South. Regional Training Plan pub. admin, Montgomery Center, 50; res. analyst, Ky. Dept. Revenue, 50-52; dir. tax res, Minn. Dept. Taxation, 52-57, cmnr. taxation, 57-61; chief govt. div, Census Bur, Dept. Commerce, 61; ASST. SECY. ADMIN, U.S. DEPT. AGR, 61- U.S.A. 41-45, Capt. Polit. Sci. Asn; Soc. Pub. Admin; Soc. Personnel Admin. Revenue administration; line activity. Address: U.S. Dept. of Agriculture, Washington, D. C. 20250.
- ROBERTSON, PROF. L(AURIE) S(HELDON), b. Lincoln, Nebr, Aug. 26, 19. ECONOMICS. B.A. Nebraska, 42, M.A. 48; Michigan, 50-53, 58-59. Instr. econ, Nebraska, 48-50, asst. prof, 53-59; finance, CREIGHTON, 59-65, ASSOC. PROF. ECON. & FINANCE, 65- U.S.A. 42-46, Res, 46-58, Maj. Econ. Asn; Polit. Sci. Asn. Economic theory; money and banking; public finance; international economics; government and business. Address: Dept. of Economics & Finance, College of Business Administration, Creighton University, Omaha, Nebr, 68131.
- ROBERTSON, DR. LEON SPURGEON, b. Christiansburg, Va, Oct. 28, 36; m. 58. SOCIOLOGY. B.A. Carson-Newman Col, 58; Ph.D.(sociol), Tennessee, 63. Instr. SOCIOL, Wake Forest Col, 62-63, asst. prof, 63-65; U.S. Pub. Health Serv. fel, Hopkins, 65-66; RES. ASSOC. SCH. MED. HARVARD, 66- AAAS; Sociol. Asn. Effects of family on stress reactions, affiliation and health behavior. Publ: Co-auth, Family size and the use of medical resources, Notre Dame, 67, Distributive justice and informal organization in a work crew, Human Orgn, fall 66 & Health care of house officers, New Eng. J. Med, 10/67. Address: Harvard Medical School, 83 Francis St, Boston, Mass. 02115.
- ROBERTSON, PROF. LYNN S(HELBY), b. Glenville, Minn, Jan. 11, 90; m. 15; c. 5. AGRICULTURAL ECONOMICS. Minnesota, 14; M.S. Purdue, 30; Ph.D. (agr. econ), Cornell, 37. Field enumerator, farm mgt. exten, PURDUE, 14-28, prof. AGR. ECON. & ASST. CHIEF DEPT, 28-58, EMER. PROF, 58-, CAMPUS COORDINATOR, PURDUE-BRAZILIAN TECH. ASST. PROF, 61-, chief party in Brazil, 58-60. Prof, U.S. Army Univ, France, 45-46; vis. prof, P.I. 53-54. Agr. Econ. Asn. Farm management; land tenure. Publ: Farm business management; Telephone problems in rural Indiana; Pasture improvement costs in southern Indiana. Address: Dept. of Agricultural Economics, Purdue University, West Lafayette, Ind. 47906.
- ROBERTSON, PROF. MALCOLM H(IGGINS), b. Minneapolis, Minn, Jan. 30, 26; m. 55. PSYCHOLOGY. B.A. Minnesota, 48; California, M.A. George Washington, 51; Ph.D.(psychol), Purdue, 55. Asst. prof. psychol. & dir. univ. counseling center, Mississippi, 55-58; asst. prof. PSYCHOL, Florida, 58-61; assoc. prof, WESTERN MICHIGAN, 61-65, PROF, 65- U.S.A. 44-45. Psychol. Asn. Personality theory; psychological diagnosis and therapy. Address: 842 Dobbin Dr, Kalamazoo, Mich. 49007.
- ROBERTSON, DR. MARJORIE BABCOCK, b. Hornell, N.Y, Mar. 6, 99; wid; c. 1. PSYCHOLOGY. A.B. Wells Col, 19; A.M. Hawaii, 27; Ph.D.(psychol), Columbia, 32. Asst. Training Sch, N.J., 19-21, 23-24; psychol. exam, child study dept, Bd. Ed, N.Y., 21-22; prof. clin. psychol. & asst. dir. psychol. clin, Hawaii, 22-23, 24-38; consulting psychologist, 38-58; admin. asst. & counsr, Hawaii Prep. Acad, 56-66. Private practice, 66- Dipl. Am. Bd. Exam. Clin. Psychol. Fel. Psychol. Asn. College counseling; mental retardation; educational tests; guidance. Publ: Co-auth, Temperament and race; auth, Some applications of clinical psychology in Hawaii & Comparison of delinquent and non-delinquent boys by objective measures of personality. Address: Box 217, Kailua, Kona, Hawaii 96740.
- ROBERTSON, DR. RICHARD J(AMES), b. Oshkosh, Wis, May 4, 26; m. 50; c. 4. PSYCHOLOGY. Ph.B. Chicago, 48, M.A. 52, Ph.D.(human develop), 60. Clin. psychologist, Resthaven Rehab. Hosp, 60-62; res. psychologist, Vet. Admin. Restoration Center, Hines, Ill, 62-67; ASSOC. PROF. PSYCHOL, NORTHEAST. ILL. STATE COL, 67-; CHMN, CENT. COUNSELING CENTER, CHICAGO, ILL, 62- Counsr, Cent. YMCA Counseling Center, 58-; private practice, 61-; consult, Vet. Admin. Res. Hosp, 61-; res. consult, sr. citizens mobile serv, Metrop. YMCA, Chicago, 66- U.S.N. 44-46. Psychol. Asn; Acad. Psychother. Interpersonal relations and communication; learning and personality; feedback theory of behavior. Publ: Co-auth, Membership in cliques and achievement, Am. J. Sociol; auth, Factory reject personalities and the human salvage operations, J. Appl. Behav. Sci, 9/65; co-auth, Sex role identification in veterans undergoing social rehabilitation, J. Clin. Psychol, 67. Address: Dept. of Psychology, Northeastern Illinois State College, 5500 N. St. Louis, Chicago, Ill. 60625.
- ROBERTSON, DR. ROBERT A(LLEN), b. Council Bluffs, Iowa, May 18, 28; m. 45; c. 4. ECONOMICS, MARKETING. B.A. California, 52; M.A. Illinois, 54, Ph.D. 60. Asst. econ. Illinois, 52-57; via. lectr, North Dakota, 57; asst. prof, Arkansas, 57-58; econ. & mkt, New Mexico, 58-63; chmn. dept. ECON, Franklin Col, 63-65; ASSOC. PROF, INDIANA STATE, 65- U.S.A.A.F. 44-46. Econ. Asn. Effects of economic institutions on economic life of communities; regulatory commissions in New Mexico; development of economic ideas through history. Publ: Comparative economic systems; Economic characteristics of Belen, New Mexico. Address: Dept. of Economics, Indiana State University, Terre Haute, Ind. 47809.
- ROBERTSON, PROF. ROSS M(ARSHALL), b. Lawrence, Kans, June 14, 15; m. 37; c. 2. ECONOMICS. A.B. Kansas, 37, A.M. 39, Ph.D. 48. Asst. prof. econ, Tennessee, 48-49, assoc. prof, 49-53; financial economist, Fed. Reserve Bank, St. Louis, Mo, 53-57; PROF. BUS. ECON. & PUB. POLICY, INDIANA, 57-, CHMN. DEPT, 65- Vis. scholar, Off. Comptroller of Currency, D.C. 65-68. Trustee, Bus. Hist. Found, Inc; exec. secy, Bus. Hist. Conf. Loeb award, distinguished writing bus. & finance, 65. U.S.N.R. 43-46, Lt. Comdr. Econ. Asn; Econ. Hist. Asn; Finance Asn; Royal Econ. Soc. Economic history of the United States; money and banking; business history; British and American financial institutions; competition between banks and the nonbank intermediaries. Publ: History of the American economy; Mathematical economics before Cournot, J. Polit. Econ; The comptroller and bank supervision, Off. Comptroller of Currency, 68. Address: Dept. of Business Economics, Indiana University School of Business, Bloomington, Ind. 47401.
- ROBEY, DR. RALPH W(EST), Econ, see 10th ed, Soc. & Behav. Vols.
- ROBINOWITZ, DR. RALPH, b. Houston, Tex, Sept. 21, 29; m. 60; c. 3. PSYCHOLOGY. B.A. Texas, 50, M.A. 52, Ph.D.(sch. psychol), 54. Field exam, Psychol. Corp, 53-54; clin. psychol. intern, Norfolk State Hosp. & Nebr. Psychiat. Inst, 54-55; instr, Augusta Center, Georgia, 56-58; CLIN. PSYCHOLOGIST, VET. ADMIN, 58- Lectr, Texas, 59-61; Southern Methodist, 67- U.S.A. 55-58. Psychol. Asn; Soc. Proj. Tech. Assessing environmental effect on the behavior of the psychiatric patient; training programs for personnel. Publ: Attributes of pupils achieving beyond their level of expectancy, J. Personality; Learning the relationship of opposition as related to scores of the WISC, J. Genetic Psychol; Shortened schizophrenic scale: application to confined groups, J. Clin. Psychol. Address: Psychology Service, Veterans Administration Hospital, Dallas, Tex. 75216.
- ROBINS, PROF. ARTHUR J(OSEPH), b. New York, N.Y, July 21, 21; m. 48; c. 2. SOCIAL WORK. B.S. City Col, 43; M.S.W. Carnegie Inst. Tech, 48; Nat. Inst. Ment. Health fel, 52-53; Ph.D. Minnesota, 53. Psychiat. soc. worker, Walter Reed Army Hosp, 48-49; dir. soc. serv, Clarinda State Hosp, Iowa, 49-51; asst. Minnesota, 51-52; asst. prof. SOC. WORK, MISSOURI, 53-55, assoc. prof, 55-59, PROF, 59-, DIR. SCH. SOC. WORK, 64-, assoc. dir, 53-64. Fulbright sr. lectr, sch. soc. work, Univ. Delhi, 56-57; sr. soc. welfare training ad, UN, Govt. of Pakistan, 61-62. Consult, Vet. Admin, 63- U.S.A. 43-46, 48-49, Lt. Geront. Soc; Int. Asn. Geront. Psychiatric social work; social dependency. Publ: Group therapy with pre-convalescent patients, J. Psychiat. Soc. Work; Prognostic studies in mental disorder, Am. J. Psychiat; Prediction of outcome of convalescent leave, Psychiat. Quart. Address: School of Social Work, University of Missouri, Columbia, Mo. 65201.
- ROBINS, DR. ELI, Biochem, Psychiat, see 11th ed, Phys. & Biol. Vols.
- ROBINS, PROF. LEE N(ELKEN), b. New Orleans, La, Aug. 29, 22; m. 46; c. 4. SOCIOLOGY. B.A. Radcliffe Col, 42, M.A. 43, Ph.D.(sociol), 51. Asst. div. prog. survs, bur. agr. econ, U.S. Dept. Agr, 43-44; dept. psychiat, Mass. Gen. Hosp, 44-46; res. asst, dept. psychiat, MED. SCH, WASHINGTON (ST. LOUIS), 54-58, res. instr, 58-59, res. asst. prof. sociol, 59-66, res. prof. sociol. in psychiat, 66-68, PROF. SOCIOL. IN PSYCHIAT, 68-, ADJ. ASSOC. PROF. SOCIOL, DEPT. SOCIOL. & ANTHROP, 63-, lectr, 57-63. Nat. Inst. Ment. Health spec. fel, 68-70. Consult, Surv. Practices & Procedures of Mo. Juvenile Courts, 59. Fel. Social. Asn; Soc. Study Social Probs; Pub. Health Asn. Social psychiatry; juvenile delinquency, marriage and the family; research methodology. Publ: Deviant children grown up, Williams & Wilkins, 66. Address: Dept. of Psychiatry, Washington University School of Medicine, St. Louis, Mo. 63110.
- ROBINS, DR. MARGARET ERWIN, Psychol, see 10th ed, Soc. & Behav. Vols.
- ROBINS, DR. ROBERT SIDWAR, b. Spangler, Pa, Apr. 20, 38; m. 59; c. 3. POLITICAL SCIENCE. B.A. Pittsburgh, 59; M.A. Duke, 61, Ph.D.(polit sci), 63; Fulbright fel, Lucknow, 61-62. ASST. PROF. COMP. GOVT. & QUANT. METHODS, TULANE, 65- Nat. Sci. Found. res. grant, 66-67; panelist, nat. selection panel for col. teacher progs, Nat. Sci. Found, 67. Dir. summer inst. South. Asia, Duke, 66. Polit. Sci. Asn; Int. Peace Res. Soc. Indian elite formation; quantitative methods concerning elite formation; quantitative methods in comparative government. Publ: India: judicial panchayats in Uttar Pradesh, spring 62; Political elite formation in rural India, J. Polit, 11/67. Address: Dept. of Political Science, Tulane University, New Orleans, La. 70118.
- ROBINS, DR. SIDNEY, b. Roxbury, Mass, Oct. 17, 28; m. 56; c. 2. CLINICAL & EXPERIMENTAL PSYCHOLOGY. B.A. Boston, 51; M.S. Massachusetts, 56, Ph.D. 62. Res. asst, Massachusetts; 52-55; asst. psychologist, Northampton State Hosp, 56-57; clin. psychol. intern, Springfield Child Guid. Clin, 57-58; clin. psychol. trainee, Northampton Vet. Admin. Hosp, 58-61; CHIEF PSYCHOLOGIST, Harlem Valley State Hosp, 61-62; CENT. ISLIP STATE HOSP, 62- Asst. clin. prof, Adelphi, 62-65; dir. group ther, Smithtown Consult. Center, 67- Consult. psychologist, Walkill Prison, 62; group process consult, Suffolk County Ment. Health Clins, 67- U.S.A. 46-48. Psychol. Asn. Group process, therapy, and personality evaluation. Address: Central Islip State Hospital, Station H, Central Islip, N.Y. 11722.
- ROBINSON, DR. ALBERT J, b. Mildura, Australia, Jan. 12, 26; Can. citizen; m. 51; c. 1. ECONOMICS. B.Commerce, Melbourne, 49; B.A. Australian Nat. Univ, 52; Ph.D.(econ), Duke, 62. Res. officer, Bur. Agr. Econ, Australia, 50-54; economist, dept. trade & indust, Australian Fed. Govt, 54-59; asst. prof. ECON, Queen's (Ont), 62-64; ASSOC. PROF, YORK (ONT), 64- Queen's Univ. Inst. Econ. Res. fel, 65; Can. Coun. res. fel. econ of ed, 66. Consult. Can. Dept. Labor, 62; Marshall, Macklin & Monahan, Town Planners, Toronto, 67- Royal Australian Air Force, 44-45, Flight Sgt. Am. Econ. Asn; Can. Econ. Asn. Economics of public expenditures, especially education and urban renewal; economic growth of Australia and Canada.

Publ: Exports and economic development, *Quart. Rev. Econ. & Bus.*, autumn 66; The Bladen commission and graduate education, *Can. J. Econ. & Polit. Sci.*, 11/66; Economic implications of increased university enrollments in Canada, *Int. J. Ed. Sci.*, 7/67. Address: Dept. of Economics, York University, 4700 Keele St., Downsview, Toronto, Ont., Can.

ROBINSON, PROF. ARTHUR H(OWARD), b. Montreal, Que., Jan. 5, 15; m. 38; c. 2. GEOGRAPHY. B.A., Miami (Ohio), 36, hon. Litt.D., 66; M.A., Wisconsin, 38; Ph.D.(geog.), Ohio State, 47. Asst. Wisconsin, 36-38; Ohio State, 38-41; chief cartog., Coordinator info, 41-42; chief map div., Off. Strategic Serv., 42-45; asst. prof. GEOG. WISCONSIN, 46-48, assoc. prof., 48-51, PROF., 51-54, DIR. CARTOG. LAB., 65-, LAWRENCE MARTIN PROF. CARTOG., 67- Guggenheim fel., 64; cartog. consult., Field Enterprises Ed. Corp., 66- U.S.A., 44-45. Asn. Am. Geog.(pres., 63-64); fel. Am. Geog. Soc.; Cong. Surv. & Mapping. Cartographic techniques; history of cartography; statistical cartographic methods. Publ: Look of maps; Elements of cartography; co-auth., Elements of geography, McGraw, 5th ed., 67. Address: Dept. of Geography, University of Wisconsin, Madison, Wis. 53706.

ROBINSON, DR. BRYAN W(RIGHT), Neurol, see 11th ed, Phys. & Biol. Vols.

ROBINSON, DR. DAVID BANCROFT, b. Bellefonte, Pa., Feb. 4, 24; m. 45; c. 5. PSYCHIATRY. B.S., Pa. State, 44; George Washington, 44-45; M.D., Pennsylvania, 49; fcls., Mayo Grad. Sch. Med., Minnesota, 51-55, M.S., 57. Intern., Geisinger Mem. Hosp. & Foss Clin., Danville, Pa., 49-50, resident, 50-51; staff psychiatrist, Rochester State Hosp., Minn., 55-56; Mayo Clin., 56-58; asst. prof. PSYCHIAT., STATE UNIV. N.Y. UPSTATE MED. CENTER, 58-61, assoc. prof., 62-68, PROF., 68-, ACTING CHMN. DEPT., 64-, coordinator grad. training prog., 61-64. Instr., grad. sch. med., Mayo Grad. Sch. Med., Minnesota, 57; vis. lectr., sch. soc. work & grad. sch. psychol., Syracuse, 64- Sr. grade psychiatrist, Syracuse Vet. Admin. Hosp., 58-61; Crouse Irving Hosp., 58-61, attend. psychiatrist, 61-; coordinator psychiatrist. state hosp. residents, State N.Y. Dept. Ment. Hyg., 61-64; assoc. attend. psychiatrist & acting chief staff, dept. psychiat., State Univ. Hosp., Syracuse, 64- Proj. dir., Nat. Inst. Ment. Health serv. grants, State Univ. N.Y. Upstate Med. Center, 64- U.S.N.R., 44-45. Psychiat. Asn.; Psychotherapy; psychosomatic medicine; determinants of deviant behavior and psychosis: methods of teaching psychotherapy. Publ: Ed., Selected writings of Dr. Adelaide McFadyen Johnson, Univ. Chicago, 68; auth., Sexual deviant—causes, treatment and prevention, *JAMA*, 8/57; Management of combined organic and emotional factors in a post partum psychosis, *Minn. Med.*, 12/66. Address: Dept. of Psychiatry, State University of New York Upstate Medical Center, 766 Irving Ave., Syracuse, N.Y. 13210.

ROBINSON, DR. DONALD L., b. Ottawa, Ill., Dec. 8, 36; m. 62. POLITICAL SCIENCE, HISTORY. B.A., Northwestern, 58, M.A., 59; Ph.D.(polit. sci.), American Univ., 63. ADMIN. ASST. TO U.S. REP. HENRY S. REUSS, 63- Lectr., Howard, 64-65; asst. prof. lectr., George Washington, 65-66, assoc. prof. lectr., 66- U.S.N.R., 59-62, Res., 62-, Lt. Am. Polit. Sci. Asn.; Hist. Asn.; Int. Polit. Sci. Asn. International relations and organizations; American foreign policy; Congress and the legislative process. Address: 1817 Kenyon St. N.W., Washington, D.C. 20010.

ROBINSON, DR. DONALD L(EONARD), b. Buffalo, N.Y., Dec. 28, 36; m. 60; c. 2. POLITICAL SCIENCE. B.A., Yale, 58; Rockefeller Bros. fel., Union Theol. Sem., 58-59, B.D., 62; Kent fel., Cornell, 62-66, Senior fel., 64-65, Ph.D.(govt.), 66. Instr. GOVT., Cornell, 65-66; ASST. PROF., SMITH COL., 66- Polit. Sci. Asn.; Acad. Polit. Sci. Slavery; founding of the United States. Address: Dept. of Government, Smith College, Northampton, Mass. 01060.

ROBINSON, PROF. DWIGHT E(DWARDS), b. New York, N.Y., Nov. 5, 14; m. 45; c. 2. ECONOMICS. B.A., Yale, 36; Rhodes scholar, 36-38; M.A., Oxford, 38; Ph.D.(econ.), Columbia, 48. Instr. soc. studies, Hunter Col., 40-41; asst. prof. econ., N.Y. Univ., 47-48; acting asst. prof., Stanford, 48-50; asst. prof. BUS. ADMIN., WASHINGTON (SEATTLE), 50-51, assoc. prof., 51-56, PROF., 56-, CHMN. DEPT. GEN. BUS., 63- Ford Found. fel. econ. develop. & admin., 57-58; Guggenheim res. fel. econ. of fashionable taste, 63-64. Newcomen award, 64. U.S.N.R., 42-45, Lt. Econ. Asn.; Acad. Polit. Sci. Publ: Collective bargaining and market control in the New York coat and suit industry; Economics of fashion demand, *Quart. J. Econ.*; Fashion theory and product design, *Harvard Bus. Rev.* Address: School of Business Administration, University of Washington, Seattle, Wash. 98105.

ROBINSON, PROF. EDGAR S(TERN), b. Newark, N.J., June 25, 20; m. 48; c. 2. POLITICAL SCIENCE. B.A., Amherst Col., 41; M.A., Columbia, 42, Ph.D.(polit. sci.), 52. Lectr. GOVT., City Col. New York, 43-44, 50; instr., Brooklyn Col., 45; from asst. to PROF., AMERICAN UNIV., 53- Participant, arms control res. plan, U.S. Dept. Defense, 61. Polit. Sci. Asn. Political theory; comparative and American government. Address: 3512 Northampton St. N.W., Washington, D.C. 20015.

ROBINSON, DR. E(DITH) C(ARILLO), b. Capiz, Philippines, Dec. 20, 23; m. 53. CHILD PSYCHOLOGY. Univ. scholar, Michigan, 49-50, Barbour scholar, 50-52, Ph.D.(counseling), 53; fel. Merrill-Palmer Inst., 52-53, 53-54. Clinician, psychol. clin., Indiana, 54-56; VIS. LECTR. PSYCHOL., BALDWIN-WALLACE COL., 59- Psychol. Asn. Personality in culture. Address: Dept. of Psychology, Baldwin-Wallace College, Berea, Ohio 44017.

ROBINSON, DR. EDWARD A(RTHUR), b. Baltimore, Md., Sept. 10, 22; m. 50; c. 3. ECONOMICS. B.A., St. Mary's (Md.), 44; M.A., Catholic Univ., 48, Ph.D.(econ.), 54. Instr. econ., Maryland, 48-54; chief co. statist. prog., INDUST. DIV. U.S. BUR. CENSUS, 54-67, ASST. CHIEF ECON. RES., 67- Lectr., Maryland, 54- U.S.N., 44-45. Econ. Asn. Public regulation of business; concentration of economic power; labor economics. Publ: Federal incorporation. Address: 2301 Kenton Place S.E., Washington, D.C. 20031.

ROBINSON, PROF. EDWARD J(OHN), b. Spencer, Iowa, Sept. 21, 23; m. 47; c. 2. EXPERIMENTAL & SOCIAL PSYCHOLOGY. A.B., California, 49; A.M., Boston, 50, Ph.D., 53. Asst. soc. psychol., Mass. Inst. Tech., 50-51; res. & vision, phys. lab., BOSTON, 51-53, asst. prof. PSYCHOL., SCH. PUB. COMMUN., 53-56, assoc. prof., 56-62, PROF., 62-, CHMN. COMMUN. RES.

DIV. & DIR. COMMUN. RES. CENTER, 59-, instr., 52-53, assoc. phys. res. lab., 53-55, head psychol. sect., 56-58. Lectr., Tufts, 55-61; summer fel., Found. Res. Ed. & Pub. Rels., 61. Pres., Training Develop. Center, Div. Sterling Inst. Sig. C., 43-46, Sgt. AAAS; Psychol. Asn.; Asn. Ed. Journalism; Asn. Pub. Opinion Res. Experimental design; perceptual development; vision; programmed learning and attitude change; human relations training; application of social science theory and technique to applied problems. Publ: Communication and public relations, C.E. Merrill, 66; co-auth., Experiments in persuasion, Academic, 67; auth., Public relations and survey research, Meredith, 68. Address: Boston University School of Public Communication, 640 Commonwealth Ave., Boston, Mass. 02215.

ROBINSON, DR. ELEANOR L(OUISE), b. New Haven, Conn., July 9, 16. CHILD PSYCHOLOGY. A.B., Pa. State, 38, M.S., 40; Ph.D.(child develop.), Minnesota, 58. Asst. psychologist, Allentown State Hosp., Pa., 41-43; tech. asst., clin. of child develop., Yale, 47-48; instr. child develop. & dir. nursery sch., Rhode Island, 48-50; young adult prog., Y.W.C.A., Rochester, N.Y., 50-53; asst. CHILD DEVELOP., Minnesota, 53-56, instr., 56-58, asst. prof., 58-61; assoc. prof. & dir. child develop. labs., Purdue, 61-66; ASSOC. PROF., SYRACUSE, 66- Psychol. Asn.; Soc. Res. Child Development. Children's play; early childhood education. Address: Dept. of Family Relations & Child Development, Syracuse University, Syracuse, N.Y. 13210.

ROBINSON, DR. ELLEN, b. Brooklyn, N.Y., May 14, 36. PHYSIOLOGICAL & EXPERIMENTAL PSYCHOLOGY. B.A., Brooklyn Col., 56, fel., 56-58, M.A., 58; fel., Northwestern, 58-61, Ph.D.(psychol.), 62. Instr. PSYCHOL., Northwestern, 60-61; Hobart & William Smith Coll., 61-63; asst. prof., STERN COL., YESHIVA, 63-66, ASSOC. PROF., 66- Nat. Insts. Health res. grants, 63-64, 66-67. Psychol. Asn. Publ: Effect of amygdectomy on fear-motivated behavior in rats, *J. Comp. & Physiol. Psychol.*, 63; The effect of degree of knowledge of results on time estimation, 63 & The effect of chlorpromazine on fear-motivated behavior of amygdalotomized rats, 65, *Psychol. Record*. Address: Stern College, Yeshiva University, 253 Lexington Ave., New York, N.Y. 10016.

ROBINSON, DR. ELSA E(LIZABETH), b. Jan. 25, 09; m. 30; c. 2. PSYCHOLOGY. A.B., Columbia, 29; A.M., N.Y. Univ., 34, Ph.D.(psychol.), 37. Asst. PSYCHOL., N.Y. UNIV., 30-34, instr., 35-47; asst. prof., 47-51, ASSOC. PROF., 51-, ASST. DEAN & DIR. OFF. PSYCHOL. COUNSELING SERV., WASH. SQ. COL., 66-, rep. grad. dept., Univ., 48-54. AAAS; Psychol. Asn. Child psychology; reasoning in humans; psychology of prejudice. Publ: Recent experiments in psychology. Address: Room 820, Main Bldg., New York University, Washington Square E., New York, N.Y. 10003.

ROBINSON, DR. FLOYD G(RANT), b. Humberstone, Ont., Jan. 2, 31; m. 55; c. 4. EDUCATIONAL PSYCHOLOGY. B.A., Toronto, 53, M.A., 54, B.Ed., 57; univ. res. fel., Alberta, 57-58; Carnegie fel. & Ph.D.(ed. psychol.), 59. Teacher, high sch., Ont., 55-57; res. dir., Can. Teachers Fedn., 59-63, dir., Can. Coun. Res. in Ed., 63-65; prof. & chmn. dept. appl. psychol., ONT. INST. STUDIES ED., 66-67, INSTR. ED. PSYCHOL., 67- Writer & consult., 67-Summer res. asst., Dom. Bur. Statist., 59. Psychological basis of mathematics; theory and measurement of teacher behavior; logic and strategy of educational research. Publ: A psychological consideration of mathematical ability; The role of the classroom teacher in educational research. Address: 7 McRae Ave., Port Colborne, Ont., Can.

ROBINSON, PROF. FRANCIS P(LEASANT), b. Danville, Ind., Dec. 21, 06; m. 31; c. 2. PSYCHOLOGY. B.A., Oregon, 29; M.A., Iowa, 30, Ph.D.(psychol.), 32. Asst. Iowa, 29-32, dir. reading clin., 29-33, instr. psychol., 32-33; prof. psychol. & ed., Stout Inst., 33-37, head dept., 34-37; asst. prof. PSYCHOL., OHIO STATE, 37-41, assoc. prof., 41-44, PROF., 44- Specialist, Adj. Gen. Off., 42, 44. Fel. Psychol. Asn.; Personnel & Guid. Asn. Effectiveness of counseling techniques; nature of study skills; college personnel procedures. Publ: Effective study; Principles and procedures in student counseling; co-auth., Psychology in education. Address: Dept. of Psychology, Ohio State University, 1945 N. High St., Columbus, Ohio 43210.

ROBINSON, DR. FRANK B(ENNETT), b. Chicago, Ill., June 29, 14; m. 40; c. 3. SPEECH PATHOLOGY, PSYCHOLOGY. A.B., Western Michigan, 42; fel., Minnesota, 42-43, M.S., 47; Ph.D., Ohio State, 51. Instr. speech correction, Western Michigan, 44-47; speech sci., Ohio State, 47-51; assoc. prof. speech, Miami (Ohio), 52-55, prof., 55-66; CHMN. DEPT. SPEECH PATH. & AUDIOL., WESTERN MICHIGAN, 66- Consult., State Syst. Higher Ed., Ore., 54-61. Psychol. Asn.; Speech & Hearing Asn. Articulation and voice. Publ: Introduction to stuttering, Prentice-Hall, 64; Test for articulation; Nature and treatment of stuttering in children. Address: Speech Clinic, Western Michigan University, Kalamazoo, Mich. 49001.

ROBINSON, DR. FRED A., b. Nampa, Idaho, Oct. 17, 15; m. 42. ECONOMICS, FINANCE. B.S., Idaho, 37; M.B.A., N.Y. Univ., 49, Ph.D.(econ. finance), 51. Treas., KNICKERBOCKER INVESTING CORP., 54-67, V.PRES. & DIR., 67-Vpres., Edina Corp., 59-; mem., N.Y. Stock Exchange, 63-; partner, F.A. Robinson & Co.; dir., Gruen Indus., 67- Lectr., City Col. New York, 61-62. U.S.A., 42-46, Capt. Econ. Asn.; Finance Asn. Valuation of corporations for estate tax purposes, mergers, sales of securities and purchase; analysis of stock market trends and factors affecting price movements of general market and individual securities. Address: 555 Madison Ave., New York, N.Y. 10022.

ROBINSON, DR. GEORGE H(ORINE), JR., b. Louisville, Ky., Feb. 19, 30. PSYCHOLOGY. B.A., Millsaps Col., 62; M.S., Mississippi, 65, Ph.D.(psychol.), 67. RES. ASSOC. PSYCHOL., GEORGIA, 67- AAAS, Am. Inst. Biol. Sci.; Animal Behav. Soc. Classical conditioning; operant behavior; psychophysics; audition; vision; electroconvulsive shock effects; infra-mammalian behavior. Address: Dept. of Psychology, University of Georgia, Athens, Ga. 30601.

ROBINSON, PROF. GILBERT K(ELLY), Hist, Sociol, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

ROBINSON, PROF. HALBERT B(ENEFIELD), b. Winslow, Ariz., Oct. 15, 25; m. 51; c. 4. PSYCHOLOGY. A.B., Stanford, 51, M.A., 53, Ph.D.(psychol.),

- 57; Vet. Admin. fcls, 51-52, 53-54, 55-56; U.S. Pub. Health Serv. fcls, 52-53, 54-55. Instr. PSYCHOL, San Francisco State Col, 56-59; asst. prof. NORTH CAROLINA, 59-61, assoc. prof, 61-66, PROF, 66-, DIR. CHILD DEVELOP. INST, 65- Consult, Vet. Admin, 59- Mem. adv. cmt. State Dept. Pub. Health, N.C. U.S.M.C. 41-45. Psychol. Asn; Soc. Res. Child Develop; Asn. Ment. Deficiency. Child psychology, especially cognitive development and mental retardation. Publ: Co-auth, The mentally retarded child: a psychological approach, McGraw, 65. Address: Dept. of Psychology, University of North Carolina, Chapel Hill, N.C. 27514.
- ROBINSON, PROF. H(ARVEY) A(DRIAN), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 66.
- ROBINSON, DR. HERBERT W(ILLIAM), b. Hull, Eng, Jan. 2, 14; m. 48; c. 2. ECONOMICS, STATISTICS. B.Sc. Hull, Eng, 35; Ph.D.(econ), London Sch. Econ, 37; D.Phil, Oxford, 39. Sr. lectr, Univ. Col, Hull, Eng, 39; asst. to Lord Cherwell, personal sci. & statist. adv. to Prime Minister Churchill, 39-42; asst. to Lord Layton, dir. of progs. & planning, Ministry Prod, 42-43; staff mem, U.S. U.K. & Can. Prod. & Resources Bd, 43-44; dep. dir. statist. econ. & statist. div, Ministry Agr. & Fisheries, 45; chief, econ. trends, Vet. Admin, 46; oper. anal. div, UNRRA Mission, Poland, 46-47; staff mem, loan & econ. depts, Int. Bank Reconstruct. & Develop, 47-51; dep. div. dir. off. progs. & requirements, Defense Prod. Admin, 51-53; CHMN, C-E-I-R, Inc, 54- Pres. & dir, Automation Shares, Inc, 57-59. Mem. bd. voc. ed, Wash. Tech. Inst, 67-; bd. Wash. Hosp. Center, 67- U.S.A, 44. AAAS; Econ. Asn; Statist. Asn; Economet. Soc; Soc. Indust. & Appl. Math; Opers. Res. Soc; Acad. Econ. & Polit. Sci; Inst. Mgt. Sci; Soc. Cybernet; fel. Royal Statist. Soc; fel. Asn. Inc. Statisticians, Brit. Operations and marketing research; data processing; production scheduling techniques; transportation problems. Publ: Economics of building, P.S. King, 39; Law and economics, Mod. Law Rev; Determination of prices in a perfect inter-temporal market, Econometrica. Address: C-E-I-R, Inc, 5272 River Rd, Washington, D.C. 20016.
- ROBINSON, DR. IRA E(DWIN), b. New York, N.Y., Dec. 23, 27; m. 61; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A. Davis & Elkins Col, 49; M.A., Ohio State, 52-53; Ph.D.(sociol), Minnesota, 64. Instr. psychol, Ohio State, 52-53; psychologist, Chillicothe Vet. Admin. Hosp, 53-54; clin. psychologist, Columbus State Sch, 54-56; instr. sociol, Macalester Col, 59-61; res. scientist, Honeywell Co, 61-62; from asst. prof. to ASSOC. PROF. SOCIOL, GEORGIA, 62- Co-investr, U.S. Civil Rights Cmn, 66. AAAS; Sociol. Asn; Psychol. Asn. Attitudes and race relations; social theory; theory of language; sociology of science; philosophy of social science. Publ: Co-auth, Consonance and dissonance in agricultural communication, Rural Sociol, fall 65; Sex symbolism and archeology, Psychoanal. Rev, spring 68; & A study of sexual behavior and changed attitudes towards sex of college students, Family coordinator spring 68. Address: Dept. of Sociology, University of Georgia, Athens, Ga. 30601.
- ROBINSON, PROF. IRA MILES, b. New York, N.Y., July 2, 24; m. 46; c. 3. URBAN PLANNING. B.A. Wesleyan, 46; M.A. Chicago, 50, Ph.D.(planning), 61. Dir. planning, South Side Planning Bd, Ill, 50-52; asst. prof. community & regional planning, British Columbia, 52-61; sr. mem. staff, urban & regional econ, Arthur D. Little, Inc, 61-65; PROF. CITY & REGIONAL PLANNING & CHMN. GRAD. DEPT. URBAN & REGIONAL PLANNING, SOUTHERN CALIFORNIA, 65- Lectr, California, Berkeley, 65. Consult, Munic. Coun. W.Vancouver, B.C. 53-54; Thompson, Berwick & Pratt, 57; Metrop. Joint Cmt, Can, 57-59. U.S.N., 43-46, Lt.(jg). Regional Sci. Asn; Inst. Planners. Urban and regional studies; urban renewal economics; regional resource development; Canadian new towns; planning standards for the residential environment; amenity resources for urban living; mathematical models for urban-regional planning. Publ: New industrial towns on Canada's resource frontier; Beyond the middle-range planning bridge, J. Am. Inst. Planners, 11/65; co-auth, Goals and objectives in civil comprehensive planning, Town Planning Rev, 67-68. Address: 4040 Woking Way, Los Angeles, Calif. 90027.
- ROBINSON, PROF. JAMES A(RTHUR), b. Blackwell, Okla, June 9, 32; m. 65; c. 1. POLITICAL SCIENCE. A.B. George Washington, 54; M.A. Oklahoma, 55; Ph.D. Northwestern, 57. Instr. POLIT. SCI, Northwestern, 58-59, asst. prof, 59-62, assoc. prof, 62-64, prof, OHIO STATE, 64-67, MERSON PROF, 67-, DIR. MERSON CENTER ED. IN NAT. SECURITY, 67- Am. Polit. Sci. Asn. congressional fel, 57-58; Eagleton Inst. Citizenship Clearing House fel, 60. AAAS; Polit. Sci. Asn. International relations; decision theory; public policy making. Publ: House rules committee, 63 & ed, Political science annual, Vol. I, 66, Bobbs; Congress and foreign policy-making, Dorsey, 67. Address: Mershon Center for Education in National Security, Ohio State University, 199 W. Tenth Ave, Columbus, Ohio 43201.
- ROBINSON, PROF. J(AMES) GEORGE, b. Utah, May 30, 16; m. 40; c. 3. MARKETING. B.A. Utah, 40; M.S. N.Y. Univ, 41, Ph.D.(econ), 51. Instr, Rutgers, 46-47; City Col. New York, 47-49; assoc. prof, Southern California, 49-54; prof. retailing & chmn. dept, WASHINGTON (ST. LOUIS), 54-58, PROF. MKT, 60-, ASSOC. DEAN GRAD. SCH. BUS. ADMIN, 62- Vis. prof, Yonsei Univ, Korea, 58-60. Consult, Klein Inst. for Aptitude Testing, 51-; Int. Shoe Co, 54-; U.S. Dept. State, Brazil, 65-66. Dir. U.S. Govt. proj. bus. ed. in Tunisia, 61-62. U.S.N., 42-46, Lt. Comdr. Mkt. Asn.(pres, 61). Retailing; sales management; advertising. Publ: Co-auth, Marketing management, Houghton, 66, Principles of retailing & Store organization and operations. Address: Graduate School of Business Administration, Washington University, Skinker & Lindell Bldgs, St. Louis, Mo. 63130.
- ROBINSON, PROF. JAMES H(ATHAWAY), Sociol, see 10th ed, Soc. & Behav. Vols, deceased.
- ROBINSON, DR. JAMES VAIDEN, JR, b. Summerland, Miss, Mar. 28, 30. PSYCHOLOGY. B.S. Southern Mississippi, 54; M.A. Mississippi, 59, Ph.D. (psychol), 67. Instr. PSYCHOL, Miss. State Col. Women, 61-63; William Woods Col, 63-65; ASST. PROF, GA. SOUTH. COL, 65- U.S.A.F, 53-57. AAAS; Psychol. Asn. Learning; secondary reinforcement. Address: Dept. of Psychology, Georgia Southern College, Statesboro, Ga. 30458.
- ROBINSON, PROF. J(ESSE) S(QUIBB), b. Boston, Pa, Feb. 2, 89. ECONOMICS. A.B. Allegheny Col, 11, L.H.D, 27; Ph.D. Hopkins, 17; London, 27. Prin. sch. Maine, 11-13, instr. econ, Vanderbilt, 17-18; prof, Simpson Col, 19-20; Carleton Col, 20-53; PROF. ECON, WHITTIER COL, 53- Vis. prof, London Sch. Econ, 34. U.S.A, 17-18. Econ. Asn; Mkt. Asn; Am. Acct. Asn; fel. Royal Econ. Soc. Trade unionism; business management; essentials of economic theory in relation to business problems. Address: 617-C Avenida Sevilla, Laguna Hills, Calif. 92653.
- ROBINSON, DR. JOHN ALAN, b. Elyria, Ohio, Jan. 9, 37; m. 67; c. 1. PSYCHOLOGY. B.A. Kent State, 58; M.S. Pa. State, 61, Ph.D.(psychol), 65. ASST. PROF. PSYCHOL, LOUISVILLE, 64- U.S. Air Force Off. Sci. Res. grants, 65-68. AAAS; Psychol. Asn. Publ: Co-auth, Verbal mediation in reverse association, Psychonomic Sci, 65; auth, Rule learning and rule interference in trigram encoding, Psychol. Reports, 12/67. Address: Dept. of Psychology, University of Louisville, Louisville, Ky. 40208.
- ROBINSON, PROF. J(OHN) LEWIS, b. Leamington, Ont, July 9, 18; m. 44; c. 3. GEOGRAPHY. B.A. Western Ontario, 40; M.A. Syracuse, 42; Ph.D. (geog), Clark, 46. Geogr. DEPT. Mines & Resources, Can, 43-46; from assoc. prof. to PROF. GEOG. BRITISH COLUMBIA, 46-, chmn. dept, 53-68. Can. Coun. sr. fel, 66-67. Consult, Geog. Br, Can, 47, 48, 50, 65. Geography and resources geography of Canada; geography in teaching. Publ: Canadian arctic; British Columbia geography; Resources of the Canadian shield, Dept. Mines & Resources, Can, 67. Address: Dept. of Geography, University of British Columbia, Vancouver 8, B.C., Can.
- ROBINSON, DR. JOHN S(HEPARD), Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.
- ROBINSON, PROF. J(OSEPH) WILLIAM, b. St. Paul, Minn, June 16, 07. GOVERNMENT. A.B. Stanford, 30, A.M. 31, Ph.D. 36; Harvard, 31-32. Instr. Idaho, 35; assoc. California, 36; instr. govt, Purdue, 37-39, asst. prof, 39-42, assoc. prof, 42-46, prof, 46-47; PROF. GOVT. & INT. RELS. & CHMN. DEPT, WHITTIER COL, 47- Mem. staff, Of. Price Admin, 42-45, Danforth Found. res. grants, 60, 61; summers, prof. Am. govt, Southern California, 64, int. rels, 68. Mem. Cmn. Study Orgn. Peace, 47-68; Coun. For. Rels. Polit. Sci. Asn; Soc. Int. Law. International organization relations and politics; United States foreign relations. Publ: General international organization; co-auth, Royal commissions of inquiry, Stanford, 37 & 68 & The roots of international organization, Pub. Affairs, 68. Address: Dept. of Political Science, Whittier College, Whittier, Calif. 90608.
- ROBINSON, PROF. KENNETH LEON, b. Olympia, Wash, July 2, 21; m. 54; c. 2. AGRICULTURAL ECONOMICS. B.S. Ore. State Col, 42; M.S. Cornell, 47; Elmhurst fel, Oxford, 48-49; Ph.D.(econ), Harvard, 52. Asst. prof. AGR. ECON, CORNELL, 51-54, assoc. prof, 54-59, PROF, 59- Lectr, agr. econ. res. training inst, Hokkaido Univ, 59; Fulbright lectr, Sydney, 64. Mem, U.S. Dept. Agr. Adv. Cmt. Grains, 66-68. U.S.A, 42-45. Agr. Econ. Asn. (v.pres, 66-67); Int. Asn. Agr. Econ. Agricultural policy; production economics; agricultural prices. Address: Dept. of Agricultural Economics, Warren Hall, Cornell University, Ithaca, N.Y. 14850.
- ROBINSON, PROF. LELAND REX, Econ, see 10th ed, Soc. & Behav. Vols.
- ROBINSON, LEO J, S.J, b. Astoria, Ore, Aug. 20, 99. SOCIOLOGY. M.A. Gonzaga, 23; M.A. St. Louis, 31, fel, 32-35, Ph.D.(sociol), 35. Pres, GONZAGA, 36-42, prof. SOCIOL, 50-55, EMER. PROF, 55- Regional dir, Ore. Province Soc. of Jesus, 42-48; assoc. prof, Seattle, 48-50. Criminology; juvenile delinquency; feeble-mindedness. Publ: Co-auth, Introductory sociology. Address: Dept. of Sociology, Gonzaga University, East 502 Boone Ave, Spokane, Wash. 99202.
- ROBINSON, PROF. LEONARD H(ARRISON), b. Ft. Smith, Ark, Apr. 29, 13; m. 37; c. 2. SOCIOLOGY. B.S. Wilberforce, 35; M.A. Atlanta, 37; Gen. Ed. Bd. fel, 45-46; Ph.D.(sociol), Ohio State, 50. Prof. sociol, Fayetteville State Teachers Col, 39-51; N.C. Agr. & Tech. Col, 51-67, dean sch. ed. & gen. studies, 60-67, dir. res, 65-67; PROF. SOCIOL. & ADMIN. ASST. TO PRES, N.C. COL. DURHAM, 67- Sociol. Asn. Rural community organization; race relations; intra-minority group relations. Publ: Negro street society, a study of racial adjustment in two southern urban communities. Address: 114 Nelson St, Durham, N.C. 27707.
- ROBINSON, DR. MALCOLM E(MERSON), b. Kingston, N.Y., Feb. 23, 24; m. 48; c. 4. GEOGRAPHY. B.A. Syracuse, 46, M.A. 48; Ph.D.(geog), Northwestern, 57. Asst. geog, Northwestern, 48-49, instr, 50; geogr, QM Corps, U.S. Dept. Army, 53-62; ESTIMATOR, DEFENSE INTEL. AGENCY, 63- Fed. Exec. fel, Brookings Inst, 62; student Nat. War Col, 66-67; lectr, U.S. Dept. State For. Serv. Inst. U.S.M.C, 43-45, 51-52, Capt. Asn. Am. Geog; Can. Asn. Geog; Arctic Inst. N.Am; Am. Geog. Soc. Regional geography of Africa; settlement and Arctic geography. Publ: Russian Doukhobours in West Kootenay, British Columbia; Pas, gateway to the new North, Can. Geog. J. Address: 6201 87th Ave, New Carrollton, Md. 20784.
- ROBINSON, DR. MARGUERITE S(TERN), b. New York, N.Y., Oct. 11, 35; m. 55; c. 3. SOCIAL ANTHROPOLOGY. B.A. Radcliffe Col, 56; Nat. Inst. Ment. Health fcls, Harvard, 60-64, grant, 62-63, Ph.D.(anthrop), 65. Assoc. scholar ANTHROP, Radcliffe Inst. Independent Study, 64-65; ASST. PROF, BRANDEIS, 65- Nat. Inst. Ment. Health fel, 64-65; Nat. Sci. Found. res. grant, 66-68. Fel. Anthropol. Asn. Social structure; political theory; mythology; south and east Asia. Publ: Complimentary filiation and marriage in the Trobriand Islands, 62 & The house of the mighty hero or the house of enough paddy? 67, Cambridge Univ. Address: Dept. of Anthropology, Brandeis University, Waltham, Mass. 02154.
- ROBINSON, SISTER MARIAN DOLORES, Clin. Psychol, see 10th ed, Soc. & Behav. Vols.
- ROBINSON, DR. MARSHALL A(LAN), b. Berkeley, Calif, Feb. 16, 22; m. 44; c. 3. ECONOMICS. A.B. California, 43; M.A. Ohio State, 48, Ph.D. 50. Asst. prof. econ, Tulane, 51, 52-53; asst. prof. econ. & asst. dir. res, Amos

Tuck Sch, Dartmouth Col, 53-55; res. assoc. & asst. to pres, Brookings Inst, 55-60; dean grad. sch. bus, Pittsburgh, 60-63; PROG. OFFICER IN CHARGE HIGHER ED. & RES. FORD FOUND, 64- Res. assoc, Nat. Bur. Econ. Res, 51-52. U.S.M.C. 43-45, 1st Lt. Econ. Assn. Money and credit. Publ: Federal debt management; Civil War, World War I and World War II, Am. Econ. Rev; National debt ceiling; co-auth, Introduction to economic reasoning. Address: Ford Foundation, 320 E. 43rd St, New York, N.Y. 10017.

ROBINSON, DR. MARY F(RANCES), Psychol, see 10th ed, Soc. & Behav. Vols.

ROBINSON, MAX B(REWSTER), b. Nunda, N.Y., Dec. 21, 88; m. 15; c. 1. PERSONNEL MANAGEMENT. M.E. Cincinnati, 12. Coordinator, Cincinnati, 12-16; prof. mech. eng, Akron, 16-20; dir. eng, Evansville Col, 20-28; training & employ, Cincinnati Milling Mach. Co, 28-32; dist. mgr, Int. Acct. Soc, 33; dir. coop. work, CLEVELAND STATE, 33-41, acting dean eng, 41-45, dean, 46, coop. ed, 46-52, personnel serv, 52-59, EMER. DEAN COOP. ED, 59- Soc. Eng. Ed; Soc. Mech. Eng. Mechanical engineering. Address: 3518 Edison Rd, Cleveland, Ohio 44121.

ROBINSON, DR. MYLES E(LLIOTT), b. Columbus, Ohio, Feb. 8, 03; m. 41; c. 3. BUSINESS ADMINISTRATION, ECONOMICS. A.B. Ohio State, 26, A.M. 27; fel. Northwestern, 29-30, Ph.D.(econ. bus. admin), 30. Assoc. prof. bus. admin. & econ, Millikin, 30-36, prof, 36-43; transport economist, Interstate Commerce Cmn, 44-45; asst. dir. res, Air Transport Econ, 45-51, assoc. dir, 51-54, acting dir, 55-56; dir. dept. econ. & transportation, Nat. Coal Assn, 56-66; PROG. DIR. MKT. & TRANSPORTATION, AMERICAN UNIV, 66- Lectr, U.S. Dept. Agr. Grad. Sch, 46-47, Am. Inst. Banking, 47-55; American Univ, 45-56, adj. prof, 54- Chmn, Adv. Cmn. Parcel Distribution Serv, 67- Econ. Assn; Soc. Traffic & Transportation; Mkt. Assn. Transportation market research; public utilities. Publ: Some aspects of post-war air transportation; co-auth, Economics of public service industries. Address: 11029 Waycroft Way, Rockville, Md. 20852.

ROBINSON, DR. NANCY L(OU) M(AYER), b. Houston, Tex, Aug. 30, 30; m. 51; c. 4. PSYCHOLOGY. A.B. Stanford, 51, M.A. 53, Vet. Admin. fcls, 51-57, U.S. Pub. Health Serv. fcls, 53-56, Ph.D.(psychol), 58. Vis. prof. PSYCHOL, N.C. Col. Durham, 60-61; ASST. PROF. NORTH CAROLINA, 61- RES. ASSOC. CHILD DEVELOP. CENTER, 65- Psychol. Assn; Soc. Res. Child Develop; Coun. Except. Children. Developmental psychology, especially intelligence and mental subnormality. Publ: Co-auth, The mentally retarded child, McGraw, 65. Address: Ashe Place, Chapel Hill, N.C. 27514.

ROBINSON, DR. NELSON M(ARTIN), b. Grove City, Pa, Oct. 30, 22; m. 47; c. 2. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A., Wisconsin, 47; M.A., Syracuse, 50, Ph.D.(polit. sci), 54. Asst. bus. mgr, Westminster Col.(Pa), 47-48; asst. prof. polit. sci, Albright Col, 52-53; TENNESSEE, 53-59, assoc. prof. POLIT. SCI. & PUB. ADMIN, 59-62, PROF, 62-; DIR. DIV. INT. ED, 67-; training officer, bur. pub. admin, 53-62, acting assoc. dir, 53-55, assoc. dir, 62-66. Pub. personnel adv, 56-57, chief, Univ. Tennessee Contract Group, Bolivia, 57-60, chief, Univ. Tennessee Unit, Panama, 60-62; coordinator area studies, Peace Corps Training Center Latin Am, Univ. New Mexico, summer, 63. Spec. consult, Housing & Home Finance Agency, 51-52; consult, Inter-Am. Develop. Bank, 66. Mem. Inter-Am. Cmt. Partners of Alliance for Progress, 66-69. Order Vasco Nunez de Balboa, Govt. Panama, 62. U.S.A., 43-46, Lt. Polit. Sci. Assn; Soc. Pub. Admin; Pub. Personnel Assn; Latin Am. Studies Assn; Int. Studies Assn. Comparative administration; Latin American and municipal government; administrative law; political theory; political development; international education. Publ: Co-auth, The structure of country government in Tennessee, 66 & Public utility services in Tennessee, 66, State of Tenn. Legis. Coun. Cmt. Address: Dept. of Political Science, University of Tennessee, Knoxville, Tenn. 37916.

ROBINSON, DR. NEWTON Y(OUNG), b. Fargo, N.Dak, Sept. 12, 22; m. 57; c. 1. ECONOMICS. B.S. Columbia, 50, M.S. 51, Garth fel, 51-52, Ph.D. (econ), 58. Instr. econ, Bowdoin Col, 52-53; bus. admin, Massachusetts, 53-56, asst. prof, 56; ECON, Wisconsin, Milwaukee, 56-60; ASSOC. PROF, ALFRED, 60- U.S.N., 43-46, Lt. Econ. Assn; Economet. Soc. Application of electronic computation to the investigation of relationships between economic quantities and the lags in such relationships. Address: Dept. of Economics & Business Administration, Alfred University, Alfred, N.Y. 14802.

ROBINSON, DR. ORMSBEE W(RIGHT), b. Brooklyn, N.Y., June 17, 10; m. 35; c. 2. SOCIOLOGY. A.B. Princeton, 32; M.S.S. New Sch. Soc. Res, 37; M.A., Columbia, 42, Ed.D., 49. Instr. ethics, Ethical Culture Schs, 36-42; exec. Off. Price Admin, 42-46; asst. to pres, Bard Col, 46-50, v-pres, 50-54; chief bur. higher & adult ed, State Dept. Ed, Conn, 54-57; consult. exec. develop, INT. BUS. MACH. CORP, 57-62, prog. dir. exec. sch, 62-63, dir. ed. affairs, 63-68, PROG. DIR. UNIV. RELS, 68- Assoc. seminar tech. & soc. change, Columbia Univ, 62-; faculty, Salzburg Seminar in Am. Studies, 68. Chmn, bus. & ed. adv. bd, Cmt. Econ. Develop, 61-67; mem. coun. develop, ed. & training, Nat. Indust. Conf. Bd, 61- Sociol. Assn; Soc. Pub. Admin; Adult Ed. Assn; Planning Assn. Sociology of work; work experience programs for high school and college students; economics of education; public policies for higher education; organization theory; executive development. Publ: Co-auth, Education in business and industry, Center Appl. Res. Ed, 66. Address: 7 Simsbury Rd, West Granby, Conn. 06090.

ROBINSON, PROF. R(AYMOND) WAYNE, b. Tonkawa, Okla, Nov. 24, 23; m. 45; c. 3. AGRICULTURAL ECONOMICS. B.S. Okla. State, 47, M.S. 49; Gen. Ed. Bd. fel, Wisconsin, 52-54, Ph.D. 57. Asst. prof. & asst. agr. economist, Ala. Polytech, 48-52; asst. prof. & exten. economist mkt. info, Kans. State Col, 54-57; exten. economist, Idaho, 57-67; PROF, DEPT. AGR. ECON. & INT. COOP. TRAINING CENTER, WISCONSIN, 67- Economist, Near East Found, N.Y., 66; res. study Thailand Coops, Bangkok, 67. U.S.N.R. 42-; Lt. Comdr. Agr. Econ. Assn. Marketing and outlook information; agricultural policy. Publ: Economic facts: Idaho agriculture, Idaho Agr. Exten. Div; Potential for development of vegetable and other food crops production and marketing, West Cameroon, Africa, 64, Near East Found. Report C3; Thailand agricultural cooperatives: an evaluation with

recommendations for improvement, Univ. Wisconsin & U.S. Opers. Mission to Thailand, 68. Address: International Cooperative Training Center, University of Wisconsin, Room 603, 606 State St, Madison, Wis. 53706.

ROBINSON, RICHARD G(EOGE), b. New York, N.Y., Feb. 26, 22; m. 44. CLINICAL PSYCHOLOGY. B.S. Harvard, 47; M.A., N.Y. Univ, 50. Psychologist & couns, psychiat. div, Bellevue Hosp, New York, 47-49; psychologist, LENOX HILL HOSP, 54-55, CHIEF PSYCHOLOGIST, 56- Psychologist, 48-; voc. adv. serv, 47-49; Hoffmann Sch, 51-67, mem. bd. trustees, 62-; Riverdale Ment. Health Clin, 60-63, supvr. psychologist, 63-; psychologist, Four Winds Hosp, 67- U.S.A.A.F., 42-46. Psychol. Assn. Psychotherapy; psychodiagnostics; projective techniques. Publ: Co-auth, Vocational counseling in the rehabilitation of disturbed and delinquent boys, Ment. Hyg. & Behavior in intellectual deficit, Am. J. Ment. Deficiency. Address: 81½ E. 79th St, New York, N.Y. 10021.

ROBINSON, PROF. ROLAND I(NWOOD), b. Pellston, Mich, Aug. 24, 07. ECONOMICS. A.B. West. State Teachers Col, 27; Ph.D. Michigan, 37. Instr. Michigan, 29-34; res. economist, Fed. Reserve Bd, 34-46; economist, Nat. Assn. Mutual Savings Banks, 46-47; prof. banking, Northwestern, 47-55; Nat. Bur. Econ. Res, 55-56; adv. div. res. & statist, Bd. Governors Fed. Res. Syst, 56-61; PROF. FINANCIAL ADMIN. & ECON, MICH. STATE, 61- Lectr, Cent. States Sch. Banking, 49-56. Consult, Fed. Deposit Ins. Corp, 64-; Asn. Reserve City Bankers, 65-66; Cmt. Econ. Develop, 65- Econ. Assn; Finance Assn.(v-pres, 50, pres, 54). Business finance; capital markets. Publ: Ed, Financial institutions; auth, Money and capital markets, McGraw, 64; co-auth, Optimum bank capital policies, Asn. Reserve City Bankers, 67. Address: Michigan State University, 325 Eppley Center, East Lansing, Mich. 48823.

ROBINSON, PROF. ROMNEY, b. Belfast, Ireland, Mar. 28, 13; nat. can; m. 37. ECONOMICS. B.A. McMaster, 47; M.A. Toronto, 48; Ph.D.(econ), Mass. Inst. Tech, 54. Off. mgr, Northwest. Mutual Fire Assn, 35-45; asst. prof. ECON, Mass. Inst. Tech, 54-56; assoc. prof, Brandeis, 56-67; PROF, TORONTO, 67- Indust. economist, Fed. Reserve Bank of Boston, 55-56. Am. Econ. Assn; Royal Econ. Soc. Economic theory; price, money and banking analyses; industrial organization. Publ: Water transportation and New England; Factor proportions and comparative advantage & Economics of disequilibrium price, Quart. J. Econ. Address: Dept. of Political Economy, University of Toronto, 100 St. George St, Toronto 5, Ont, Can.

ROBINSON, DR. T(HOMAS) H(OBEN), b. South Devon, N.B., Apr. 7, 03; m. 31; c. 2. ECONOMICS. B.A. Acadia, 24; A.M. Chicago, 25, Ph.D. 35; Rhodes scholar, Oxford, 25-28, B.Litt. 28. Asst. prof. sociol, Colgate, 28-36, econ, 36-40, assoc. prof, 40-42; asst. dir. Nat. Selective Serv, Can, 42-43; MGR. INDUST. RELS, CAN. INT. PAPER CO, 43- Mem. Can. Inst. Int. Affairs; dep. mem, gov. body, Int. Labor Off, Switz, 60-69. Employer del. Int. Labor Conf, 60-63, 66. Address: 1540 Sun Life Bldg, Montreal, Que, Can.

ROBINSON, DR. T(HOMAS) RUSSELL, b. Vancouver, B.C., Oct. 8, 38; m. 63; c. 2. ECONOMICS. B.Com, British Columbia, 61; Ford Found. fel, Yale, 61-62, M.A., 62, Earhart Found. fel, 62-63, Can. Coun. fel, 64-65, Ph.D. (econ), 66. Mem. econ. res. staff, Royal Cmn. Taxation, Ottawa, 63-64; lectr. ECON, WESTERN ONTARIO, 65-66, ASST. PROF, 66- Consult, Econ. Coun. Can, Ottawa, 65-66; dept. finance, Govt. of Can, 67- Mem. Can. Tax Found. Am. Econ. Assn; Can. Econ. Assn; Royal Econ. Soc. Relationship of foreign trade to economic stability; relationships between price stability and high employment; growth and stability of the public sector in Canada; stabilization theory and practice in Canada. Publ: Foreign trade and economic stability, Staff Study No. 5, Royal Cmn. Taxation, 67 & co-auth, Price stability and high employment: the options for Canadian economic policy, Spec. Study No. 5, Econ. Coun. Can, 67, Queen's Printer; Canada's imports and economic stability, Can. J. Econ, 5/68. Address: Dept. of Economics, University of Western Ontario, London, Ont, Can.

ROBINSON, DR. WARREN C, b. Point Pleasant, W.Va, Feb. 28, 28; m. 55. ECONOMICS, DEMOGRAPHY. B.A. George Washington, 53, M.A., 54; M.A., Princeton, 58, Ph.D., 60. Jr. res. economist, Conf. Econ. Progress, 54-55; asst. prof. econ, George Washington, 58-59; staff res. economist, Outdoor Recreation Resources Rev. Cmn, D.C., 59-61; asst. prof. ECON, PA. STATE, 61-66, ASSOC. PROF, 66- Res. adv, Pakistan Inst. Develop. Econ, Karachi, 64-66. Consult, off. tax anal, U.S. Dept. Treas, 62-; U.S. Agency Int. Develop, 67-68. U.S.A., 46-47; U.S.A.F., 50-51, Sgt. Econ. Assn; Pop. Assn. Historical interrelationships between economic and demographic change; demographic change in the presently lesser-developed areas; economic and demographic development in less-developed areas. Publ: Co-auth, Studies in the demography of Pakistan, Pakistan Inst. Develop. Econ, 67; auth, Rural-urban fertility differences in India, Pop. Studies. Address: Dept. of Economics, Pennsylvania State University, University Park, Pa. 16802.

ROBINSON, PROF. WILLIAM P(ETERS), b. Norfolk, Va, Mar. 15, 11; m. c. 1. POLITICAL SCIENCE. B.A. Howard, 32, M.A. 35; Michigan 47; Ph.D. N.Y. Univ, 52. Instr. polit. sci, Howard, 35-39; admin. asst, prog. surv, U.S. Dept. Agr, 39-44; assoc. prof. sociol. & polit. sci, Southern Univ, 44-45; dir. soc. sci, Alcorn Agr. & Mech. Col, 45-47; prof. polit. sci, Morris Brown Col, 47-49; prof. & chmn. dept, Cent. State Col, 50-58; Texas Southern, 58-62; chmn. dept, VA. STATE COL, 62-63, DIR. DIV. SOC. SCI, 63- Fel, summer conf. math. appln. polit. sci, Southern Methodist, 65; summer fel, North Carolina, 66, faculty fel. polit. sci, 67-68. Consult, Off. Econ. Opportunity, Va, 66-67. Sociol. Assn; Polit. Sci. Assn; Acad. Polit. & Soc. Sci. Public law; political behavior; minority problems. Publ: Origin nature and development of the progressive Democratic Party of South Carolina; The impact of discrimination upon American foreign policy, Negro Hist. Bull, spring 58; Teaching of social studies in Negro secondary schools of Texas, J. Soc. Sci. Teachers, 62. Address: 958 Anna St, Norfolk, Va. 23502.

ROBINSON, PROF. W(ILLIAM) S(TEWART), b. Los Angeles, Calif, July 27, 13. SOCIOLOGY. A.B. California, Los Angeles, 36; A.M. Columbia, 37, Ph.D. 40. Instr. sociol. & statist, Columbia, 38-40, lectr, 40-43, asst. prof, 43-46, chief statistician, bur. appl. soc. res, 40-46; asst. prof. SOCIOL, California, Los Angeles, 46-50, assoc. prof, 50-62; PROF, OREGON, 62- Sociol. Assn;

Statist. Asn; Psychomet. Soc. Statistics; sociological theory; research methods. Address: Dept. of Sociology, University of Oregon, Eugene, Ore. 97403.

ROBINSON, DR. WILLIS, b. Provo, Utah, Apr. 30, 06; m. 28; c. 3. EDUCATIONAL PSYCHOLOGY, COUNSELING. B.S. Brigham Young, 31; M.A., California, Berkeley, 60; Ph.D. (ed. psychol), Purdue, 62. Prin. elem. & jr. high schs, Utah, 28-29; teacher, high sch, Ariz, 29-30; vice prin. & teacher, Nev, 30-42; instr. aeronaut. physics, U.S. Army Air Corps, 42-44; self employed, 45-51; pres, Desert Villas, Inc, 51-60; ASSOC. PROF. ED. PSYCHOL, Drake, 62; U.S. INT. UNIV, CALIF. WEST. CAMPUS, 62- Mem. Purdue res. staff & spec. consult. selection students teacher ed, 60-62; exec. dir. & consult, San Diego Regional Employ. Off, Church of Jesus Christ of Latter-day Saints, 67- Psychol. Asn; Ed. Res. Asn; Nat. Coun. Measurements in Ed. Teacher effectiveness; scientific creativity in connection with science fair projects. Publ: Robinson test of scientific creativity, California Univ, 67. Address: U.S. International University, California Western Campus, San Diego, Calif. 92106.

ROBINSON, DR. ROBERT K(ILLIAN), b. Harrisburg, Pa. Feb. 15, 18; m. 57; c. 1. PSYCHOLOGY. B.S., Pa. State Teachers Col, Millersville, 39; M.A., N.Y. Univ, 48, Ph.D. (clin. psychol), 53. Fel. Post-grad. Center for Psychother, 52-61; PRACTICING PSYCHOANALYST, 58- Lectr, Brooklyn Col, 55-56; Tobe-Coburn Sch, 56-; N.Y. Univ, 58; Katherine Gibbs Sch, 62-; Hunter Col, 66- Supvr, Metrop. Consult. Center, 65-; grad. prog. pastoral counseling, Iona Col, 66- U.S.N., 42-46, Lt. Psychol. Asn. Psychotherapy; graphology. Publ: Newer trends in psychoanalysis & Neo-Freudian psychoanalysis and progressive education, Progressive Ed; co-auth, Clinical applications of factorial measures, Del. Med. J. Address: 151 W. 86th St, New York, N.Y. 10024.

ROBINSON, DR. SOPHIA M(CESES), b. New York, N.Y., Nov. 28, 88. SOCIOLOGY, SOCIAL PSYCHOLOGY. A.B., Wellesley Col, 09; A.M., Columbia, 13, Ph.D., 36; dipl, N.Y. Sch. Soc. Work, 28. Lectr, New Sch. Soc. Res, 39-40; assoc. prof, N.Y. SCH. SOC. WORK, COLUMBIA, 40-55, EMER. PROF, 55- Mem. staff, Soc. Dynamics Res. Corp, 64-68. Lectr, eve. sessions, Hunter Col. & sch. ed, City Col. New York, 36-; Queens Col. (N.Y.), 41-42; res. asst. sch. soc. work, Smith Col, 43-46; adj. vis. prof, N.Y. Univ, 51-; vis. prof, Yeshiva, 53-59; Adelphi, 55-64; Howard, 60-61; lectr, New Sch. Soc. Res, 66-67. Res. analyst, Off. Civil Defense, 41-43; res. dir, Harlem Proj, 43-46; res. assoc., inst. welfare res, Community Serv. Soc, 50-52; res. dir, Career patterns proj, Nat. Inst. Ment. Health res. grant, 51-65; asst. dir, Juvenile Delinquency Eval. Proj, N.Y. 56-60; res. dir, Harlem Triangle Feasibility Study, 67- Res. consult, Children's Bur, 43; fact-finding cmt, Mid-Century White House Conf, 49; housing study, Nat. Urban League, 65-; N.Y. State Youth Cmn, 66-67. Community serv. citation from Mayor Robert F. Wagner, New York, 60. Fel. Sociol. Asn; Statist. Asn; Eugenics Soc; Pop. Asn. Juvenile delinquency; Jewish demography; social welfare; civil liberties; legalized abortion; voluntary sterilization; community organization; public education and housing; minority groups. Publ: Refugees at work; Can delinquency be measured?; Juvenile delinquency, its nature and control. Address: 610 W. 110th St, New York, N.Y. 10025.

ROBINSON, DR. WILLIAM C(ONDI), b. Essex Fells, N.J., Dec. 26, 14; m. 46; c. 4. GEOGRAPHY. A.B., California, Los Angeles, 36; M.A., California, 49; Ph.D., Boston, 60. Geogr. Qm. Res. & Develop. Field Off, 51-53, Qm. Res. & Eng. Center, Mass, 53-60, chief polar & sect, 60-62; lectr. geog, New England, Australia, 62-64; geogr, EARTH SCI. LAB, U.S. ARMY NATICK LABS, 64-66, CHIEF GEOG. DIV, 66- C.Eng, 41-45, Sgt. Am. Geog. Soc; Asn. Am. Geog. Sci. Res. Soc. Am; Inst. Australian Geog. Effects of human activities on distribution and types of vegetation; conservation policy. Address: Earth Sciences Lab, U.S. Army Natick Labs, Natick, Mass. 01760.

ROBLIN, DR. GLORIA L, b. New York, N.Y., Apr. 29, 25; m. 49; c. 2. PSYCHOLOGY. B.A., Barnard Col, Columbia, 45; M.A., Columbia, 47; Ph.D., State Univ. N.Y. Buffalo, 63. Instr. psychol, Richmond, 46-48; Columbia, 48-49; SCH. MED. STATE UNIV. N.Y. BUFFALO, 63-65, assoc. PSYCHIAT, 65-66, ASST. PROF, 67- Res psychologist, res. found, State Univ. N.Y. Buffalo, 63-, prof. lectr, col. arts & sci, 65- Consult, Psychiat. Clin, 62- Psychol. Asn. Psycholinguistics; obesity in psychological aspects. Publ: Co-auth, Effect of content and sex of judge on judgement of personality from voice, Int. J. Soc. Psychiat, 65. Address: Dept. of Psychiatry, School of Medicine, State University of New York at Buffalo, Buffalo, N.Y. 14214.

ROBOCK, DR. STEFAN H, b. Redgranite, Wis, July 31, 15; m. 46; c. 3. ECONOMICS. B.A., Wisconsin, 38, univ. scholar, 38-39; univ. fel, Harvard, 39-40; M.A., 41, Ph.D. (econ), 48. Asst. economist, Nat. Resources Planning Bd, D.C. 40-41; bus. economist, antitrust div, U.S. Dept. Justice, 41-42; Mass, 47-48; bus. specialist, Vet. Housing Prog, D.C., 46-47; chief economist, Tenn. Valley Authority, 49-54; UN econ. develop, adv, Northeast Brazil, 54-56; mgr. econ. div, Midwest Res. Inst, Mo, 56-58; dep. dir. area develop. div, Cmt. Econ. Develop, N.Y. 58-60; prof. int. bus. & dir. int. bus. prog, Indiana, 60-67; PROF. INT. BUS, COLUMBIA, 67- Intern. Nat. Inst. Pub. Affairs, 40-41; lectr, Kansas City, 58-59; hon. prof, Recife, 56. UN adv, area survs, Chile, 55, Colombia, 56, Venezuela, 59, India, 59, Bolivia, 63; adv, Bank Northeast Brazil, 60; Univ. Ceara, Brazil, 60; consult, Latin Am. overseas develop. prog, Ford Found, 60; World Bank, P.I. 60; Int. Coop. Admin, Liberia, 61; Agency Int. Develop, Malawi, E.Africa, 63. Mem. res. adv. cmt. develop. planning proj, Nat. Planning Asn, 63-; Latin Am. Sci. Bd, Nat. Acad. Sci, 67- U.S.N., 42-46, Lt. Econ. Asn; Soc. Int. Develop; Regional Sci. Asn. Economic development; international business; regional and resource economics; Latin American industrialization and private foreign investment. Publ: Brazil's developing northeast, Brookings Institution, 63; co-auth, Education in international business, Grad. Sch. Bus, Indiana Univ, 64; auth, Strategies for regional economic development, Proc. Regional Sci. Asn, 66. Address: Graduate School of Business, Columbia University, New York, N.Y. 10027.

ROBOTKA, PROF. FRANK, b. Racine, Wis, Apr. 6, 89; m. 15; c. 1. AGRICULTURAL ECONOMICS. B.S., Wisconsin, 15; M.S., Minnesota, 20; Chicago, 29-30; Soc. Sci. Res. Coun. fel, 29-30. PROF. ECON, IOWA STATE, 20-

Prin. agr. economist, agr. adjust. admin, U.S. Dept. Agr, 34; spec. res, Brookings Inst, 45. Trustee, Am. Inst. Coop. Agr. Econ. Asn. Economic nature of cooperatives in agriculture; legal status and structure of cooperatives. Publ: Theory of cooperation, J. Farm Econ; Lego-economic implications of cooperation & Philosophy of cooperation, Am. Coop. Address: Dept. of Agricultural Economics, Iowa State University, Ames, Iowa 50010.

ROBSON, PROF. CHARLES B(ASKERVILL), b. Scranton, Pa, Sept. 24, 00; m. 37; c. 1. POLITICAL SCIENCE. A.B., Davidson Col, 19; A.M., Princeton, 24; Heidelberg, 26; Bonn, 27-28; Ph.D., North Carolina, 30. Res. fel, Huntington Library, Calif, 30-31; asst. prof. POLIT. SCI, NORTH CAROLINA, 31-36, assoc. prof, 36-42, prof. & chmn. dept, 42-58, KENAN PROF, 61- Analyst, U.S. Strategic Bombing Surv, Germany, 41; Fulbright grant, Free Univ, 58-59. Summer guest prof, Cologne, 65. Consult, civil affairs div, U.S. Off. Mil. Govt, 49; off. pub. affairs, U.S. High Cmnr. for Germany, 50, 51-52. Polit. Sci. Asn. Political theory; comparative government, especially Western Europe. Publ: Drei Beiträge über Franz Lieber, Franz Lieber Heft, winter 58-59; El análisis funcional-estructural de los sistemas políticos, Anales de la Facultad Latinoamericana de Ciencias Sociales, 64; Der Begriff des politischen Systems, Kölner Zeitschrift für Soziologie und Sozialpsychologie, 65. Address: Dept. of Political Science, University of North Carolina, Chapel Hill, N.C. 27514.

ROBSON, PROF. CLIFFORD JOSEPH, b. Kenora, Ont, Aug. 15, 15; m. 41; c. 2. PSYCHOLOGY. B.A., Manitoba, 39, B.Ed, 54; M.A., Minnesota, 49, Ph.D., 61. Teacher, Winnipeg Sch. Bd, Can, 39-47; asst. prof. psychol. & sociol, WINNIPEG, 47-54, assoc. prof. PSYCHOL, 54-61, PROF. & CHMN. DEPT., 61- Can. Soc. Sci. Res. Coun. grant, 56-57; Can. Coun. Res. grant, 58. Am. Psychol. Asn; Can. Psychol. Asn; Can. Ment. Health Asn. Testing, interviewing and counseling processes; instructional methods and laboratory techniques; nature and conditions of learning; educational psychology; discipline for parents and teachers. Address: 170 Lockwood St, Winnipeg 9, Man, Can.

ROBSON, PROF. DOUGLAS S(HERMAN), Statist, see 11th ed, Phys. & Biol. Vols.

ROBSON, PROF. R(ALPH) THAYNE, b. Ogden, Utah, June 22, 29; m. 48; c. 3. ECONOMICS. B.S., Utah State Agr. Col, 51, M.S., 52. Asst. indust. & labor rels. sch, Cornell, 52-55; res. asst. study labor mgt. rels, Brookings Inst, 55-61; acting asst. prof. econ, California, Los Angeles, 61-62; lectr. mgt. & res. economist, Utah, 62-65; exec. dir, President's Cmt. Manpower, U.S. Dept. Labor, 65-67; RES. PROF. ECON. & FINANCE, UTAH, 67- Sr. staff economist, Nat. Cmn. Tech. Automation & Econ. Progress, 65. Consult, U.S. Dept. Labor & U.S. Dept. Housing & Urban Develop. Mem, Mid-Continent Manpower Adv. Cmt. Econ. Asn; Indust. Rel. Res. Asn. Labor economics; social security and protective labor legislation; industrial organization. Publ: The trucking industry; Impact of technological change on wage and salary administration; Markets for California products. Address: 3548 Westwood Dr, Salt Lake City, Utah 84109.

ROBSON, PROF. REGINALD A(RTHUR) H(ENRY), b. London, Eng, Apr. 11, 21; m. 47; c. 2. SOCIOLOGY. B.Sc., London, 49; M.A., Minnesota, 51, Ph.D. (sociol), 52. Instr. SOCIOL, Minnesota, 49-52; asst. prof, Nebraska, 52-58; assoc. prof, BRITISH COLUMBIA, 58-66, PROF, 66- Fel, Chicago, 57-58; researcher, Royal Cmn. Health Serv, Can. Govt, 62-64. Consult, Dept. Manpower & Immigration, Can. Govt, 67- London Civil Defense Serv, 42-45. Sociol. Asn; Statist. Asn; fel. Royal Statist. Soc; Can. Sociol. & Anthropol. Asn. (pres, 67-). Social psychology; research methods; sociology of law. Publ: Parental authority; the community and the law; Sociological factors affecting recruitment into the nursing profession, Queens Printer, Can, 64; The present state of theory in sociology, In: Problems in the philosophy of science, N. Holland, 68. Address: 1906 Sasamat Place, Vancouver 8, B.C., Can.

ROBY, PROF. THORNTON B(OSWELL), b. Meriden, Conn, Apr. 22, 24; m. 47; c. 2. PSYCHOLOGY. B.S., Trinity Col. (Conn), 48; M.A., Wesleyan, 49; Ph.D., Yale, 50. Asst. prof. psychol, Vermont, 50-51; res. psychologist, U.S. Dept. Air Force, 51-56; assoc. prof. PSYCHOL, TUFTS, 56-64, PROF, 64- Nat. Sci. Found. fel. math, Harvard, 56-57. U.S.A.A.F., 41-44. AAAS; Psychol. Asn; Statist. Asn. Experimental psychology; applied mathematics. Publ: Small group performance, Rand McNally, (in press). Address: Dept. of Psychology, Tufts University, Medford, Mass. 02155.

ROCA, DR. PABLO, b. Quebradillas, P.R., May 16, 07; m. 53. EDUCATIONAL PSYCHOLOGY. B.A., Puerto Rico, 33; M.Ed., Texas, 48, Ph.D., 52. Gen. supvr, Dept. Ed. of P.R., 41, dir. div. res. & statist, 49-53, tech. div, 53-56, div. eval, 56-60; asst. chief, div. ed, Pan Am. Union, 60-63; prof. psychol, Inter-Am. Univ. P.R., 64-65; CONSULT. ED, PAN AM. UNION, 66- Asst. superior ed. coun, Puerto Rico, 46; asst. chief. voc. rehab. & ed. div, Vet. Admin, P.R., 47. U.S.N., 41-45, Res, 45-67, Capt. Psychol. Asn. Psychological testing; educational research. Publ: Wechsler intelligence scale for children & Stanford-Binet intelligence scale, Spanish Adaptations; transl, Matematica moderna, Silver, series of six books, 65-66. Address: 705 18th St. N.W., Washington, D.C. 20006.

ROCCA, DR. JAMES V, b. Spokane, Wash, Mar. 22, 30; m. 66. POLITICAL SCIENCE, ECONOMICS. B.B.A., Gonzaga, 52; M.A., Vienna, 60, Ph.D. (polit. sci), 64. Instr. mil. law & int. rules war, U.S. Embassy, Vienna, Austria, 58-60; ASSOC. PROF. POLIT. SCI, NEW MEXICO HIGHLANDS, 65- U.S.A., 52-55, 1st Lt. Polit. Sci. Asn. Military immunity from local criminal jurisdiction, especially in the North Atlantic Treaty Organization countries. Publ: Militärische Immunität von Oertlicher Strafgerichtsbarkeit mit besondere Berücksichtigung des NATO-status of forces agreement, Univ. Vienna, 64. Address: 814 Columbia St, Apt. 1, Las Vegas, N.Mex. 87701.

ROCHA, DR. JOSEPH R(AMON), JR., b. Boston, Mass, Dec. 4, 25; m. 54; c. 3. ECONOMICS. B.S., Northeastern, 48; M.B.A., N.Y. Univ, 54; LL.B., Howard, 60; Ph.D. (econ), Iowa, 66. Instr. bus, Tuskegee Inst, 48-50; instr. & head dept, Miss. Valley State Col, 54-55; asst. to pres. & asst. prof. bus. & econ, Morgan State Col, 63-65; ASST. PROF. ECON, BALL STATE, 65- Consult,

Md. Dept. Employment Security, 64-65. U.S.A., 50-52. Econ. Asn; Indust. Rels. Res. Asn; Acad. Polit. & Soc. Sci. Manpower problems of minority groups. Address: Dept. of Economics, Ball State University, Muncie, Ind. 47306.

ROCHE, DR. GEORGE (STEPHEN), b. Oakland, Calif., Dec. 13, 09; m. 34; c. 4. ECONOMIC STATISTICS. A.B. California, 30, M.A., 31, Ph.D. (polit. sci.), 34. Instr. econ, Duquesne, 34-36; prof., Dominican Col., San Rafael, 36-39; tech. consult, State Relief Admin, CALIF., 39-40; res. technician, STATE DEPT. EMPLOY., 40-41, sr. res. technician, 46-51, coordinator manpower mobilization progs., 51-56, CHIEF RES. & STATIST., 52- Chief res., War Manpower Cmn., Calif., 41-46. U.S.N., 44-46, Lt. Comdr. Statist. Asn. Labor force analysis; actuarial problems in unemployment and disability insurance; relationships between research and the decision making process. Publ: Control of independent officials by the governor of Washington, Nat. Munic. Rev.; Some factors affecting the cost of unemployment insurance benefits, Proc. Pac. Coast Econ. Asn; Manpower problems in partial mobilization, Proc. West. Econ. Ann. Address: 4269 14th Ave., Sacramento, Calif. 95820.

ROCHE, PROF. JOHN P., b. Brooklyn, N.Y., May 7, 23; m. 47; c. 1. POLITICAL SCIENCE. A.B. Hofstra Col., 43; A.M., Cornell, 47, Ph.D., 49. Instr. polit. sci., Haverford Col., 49-50, asst. prof., 50-54, assoc. prof., 54-55; PROF. POLIT. & CHMN. DEPT., BRANDEIS, 56-, MORRIS HILLQUIT PROF. LABOR & SOC. THOUGHT, 57-, dean faculty, 58-60. Lectr., Salzburg Seminar Am. Studies, 54; Fund. Adv. Ed. fel., 54-55; Fulbright lectr., France, 59; Rockefeller Found. fel., 60-61. U.S.A.A.F., 43-46, S/Sgt. Polit. Sci. Asn; Am. Studies Asn. American and comparative political theory and institutions; loss of American nationality; European political institutions; American constitutional history; American political thought. Publ: Co-auth., Dynamics of democratic government, McGraw, 54; auth., Courts and rights, Random, 61; The quest for the dream: civil liberties in modern America, Macmillan, 63. Address: Dept. of Politics, Brandeis University, Waltham, Mass. 02154.

ROCHER, PROF. GUY, b. Berthier, Que., Apr. 20, 24; m. 49; c. 4. SOCIOLOGY. B.A., Montreal, 43; M.A., Laval, 50; Carnegie Found. fel., Harvard, 51, Ph.D. (sociol.), 58. Asst. prof. sociol., Laval, 52-57, assoc. prof., 57-60, dir. sch. soc. work, 58-60; PROF. SOCIOLOGIE, MONTREAL, 60-, dir. dept., 60-65, asst. dean faculty soc. sci., 62-67. Fel., Royal Soc. Can., France, 57-58. Mem., Royal Cmn. Inquiry Ed., Prov. Que., 61-66; Bd. Broadcast Gov., 66-68. Am. Sociol. Asn.; French-Can. Asn. Adv. Sci.; Can. Econ. Asn. Sociology of work and education; social pathology. Publ: Co-auth., Famille et habitation, Introduction a une sociologie du Canada Francais & Report of the Royal Commission of Enquiry on Education, Vols. I-V, Govt. Que., 63, 65, 66. Address: Dept. of Sociology, University of Montreal, C.P. 6128, Montreal, Que., Can.

ROCHWARG, DR. HERMAN, b. Brooklyn, N.Y., July 3, 26; m. 52; c. 4. PSYCHOLOGY. Ph.D., Mich. State, 54. Staff psychologist, Vet. Admin. Hosp., Coatesville, Pa., 54-57; human factors scientist, Syst. Develop. Corp., 57-66; staff Arthur D. Little Inc., 66; proj. dir., New England Econ. Res. Found., 66-67; ASSOC. PROF. MGT. COL. BUS. ADMIN., NORTHEASTERN, 68- Partner, Rochwarg, Lepine Assocs., 56-57. U.S.A., 44-46. AAAS; Soc. Pub. Admin. Innovation; social scientific, political and economic processes in change; foreign technology and markets. Address: 18 Wildwood Rd., Andover, Mass. 01810.

ROCK, DR. DONALD A., b. Chicago, Ill., Dec. 28, 34. PSYCHOLOGY. B.A., Northwestern, 57; M.S., Purdue, 62, Ph.D. (psychol.), 65. Assoc. res. psychologist, ED. TESTING SERV., 65-66, RES. PSYCHOLOGIST, 67- Psychomet. Soc.; Statist. Asn. Quantitative psychology; psychometrics, mathematical models and computer applications in psychological research. Publ: A stepwise moderated regression program, 9/67, A two stage decision approach to the selection problem, (in press) & An exploratory study of programmed tests, (in press), J. Ed. & Psychol. Measurement. Address: Developmental Research Division, Educational Testing Service, Princeton, N.J. 08540.

ROCK, PROF. IRVIN, b. New York, N.Y., July 7, 22; m. 45; c. 3. PSYCHOLOGY. B.S., City Col. New York, 47, M.A., 48; Ph.D. (psychol.), New Sch. Soc. Res., 52. Res. asst., New Sch. Soc. Res., 47-50, lectr., 52-53, asst. prof. psychol., 53-56, assoc. prof., 56-59; assoc. prof. exp. & clin. psychol. & chmn. dept., grad. sch. ed., Yeshiva, 59-61. PROF. PSYCHOL., 62-67; INST. COGNITIVE STUDIES, RUTGERS, 67- U.S. Pub. Health Serv. career development award, 67-72. U.S.A., 43-45. Fel. Psychol. Asn; fel. Psychonomic Soc. Perception, learning and thinking; general theoretical and experimental psychology. Publ: The nature of perceptual adaptation, Basic Books, 66; Repetition and learning, Sci. Am; co-auth., The moon illusion I & II, Science, 6/62. Address: Institute for Cognitive Studies, Rutgers, The State University, Newark, N.J. 07102.

ROCK, LEO PAUL, S.J., b. San Francisco, Calif., Jan. 29, 29. CLINICAL PSYCHOLOGY. B.A., Gonzaga, 51; M.A., Alma Col. (Calif.), 59; Ph.D. (clin. psychol.), Ottawa (Ont.), 64. Instr., parochial sch., 52-55; ASST. PROF. PSYCHOL., SANTA CLARA, 64- Psychol. Asn; Acad. Relig. & Ment. Health. Psychotherapy; developmental psychology; personality theory. Address: Dept. of Psychology, University of Santa Clara, Santa Clara, Calif. 95053.

ROCK, DR. MILTON L(EE), b. Philadelphia, Pa., Feb. 25, 21; m. 43; c. 2. PSYCHOLOGY. O.D., Pa. State Col. Optom., 42; B.A., Temple, 46, M.A., 47; Ph.D. (appl. visual prob.), Rochester, 49. Optometrist, 42-43, 46-47; asst., Rochester, 47-48; v-pres. & dir., EDWARD N. HAY & ASSOCS., 48-61, MANAGING PARTNER, 61- PRES., EDWARD N. HAY INT., INC., 67- V-pres. & dir., Edward N. Hay & Assocs. Can. Ltd., 60-66, chmn., 66-, dir., Hay-MSL Ltd., London, 63 & Hay-MSA Ltd., Melbourne, 67-; dir., Schutte & Koerting Co., 66- Consult., Mgt. Orgn; Manpower Develop; Compensation & Salary Admin. U.S.A., 43-46. Psychol. Asn; Asn. Consult. Mgt. Eng; Inst. Mgt; Int. Asn. Appl. Psychol. Publ: Co-auth., The executive perceptual analytic scale, Grune, 63. Address: Edward N. Hay & Associates, 121 S. Broad St., Philadelphia, Pa. 19107.

ROCK, VINCENT P(ATRICK), Polit. Sci., see 10th ed, Soc. & Behav. Vols.

ROCKAFELLOW, PROF. ROBERT, b. Bridge Valley, Pa., May 21, 02; m. 35. ECONOMICS. B.S., Pennsylvania, 25, M.A., 34. Mem. staff ECON., RHODE ISLAND, 26-47, PROF., 47- Econ. Asn; Finance Asn; Acad. Polit. & Soc. Sci. Money and banking; American economic history; government regulation of business and taxation. Publ: Our central banking system. Address: Dept. of Economics, University of Rhode Island, Kingston, R.I. 02881.

ROCKWAY, DR. MARTY R(OBERT), b. Chicago, Ill., Feb. 10, 23; m. 48; c. 1. EXPERIMENTAL PSYCHOLOGY. B.S., Northwestern, 50, M.S., 51, fel., 51-52, Ph.D. (exp. psychol.), 53. Res. psychologist, aerospace med. lab., WRIGHT-PATTERSON AIR FORCE BASE, 53-58, chief training res. sect., 58-60, CHIEF ENGR. HUMAN FACTORS, AERONAUT. SYSTS. DIV., 60- Fel. pub. affairs, Woodrow Wilson Sch., Princeton, 63-64; Littauer fel., Kennedy Sch. Govt., Harvard, 67-68. Mem. cmt. bioastronaut, Armed Forces-Nat. Res. Coun., 60. U.S.N., 43-47, Res., 47-, Lt. AAAS; Psychol. Asn; Human Factors Soc.; Psychonomic Soc.; Biomet. Soc. Learning theory; psychoservanalysis; computer simulation of dynamic systems; automation of training; systems analysis; human factors engineering. Publ: Effects of variations in control-display ratio and amount of original practice of transfer of tracking skill; Role of simulators for spacecrew training, Astronautics; co-auth., Transfer of training as a function of pursuit and compensatory components in a tracking display, J. Exp. Psychol., 1/66. Address: Box 92, Clifton, Ohio 45316.

ROCKWELL, PROF. LANDON G(ALE), b. New York, N.Y., Jan. 3, 14; m. 39; c. 2. POLITICAL SCIENCE. A.B., Dartmouth Col., 35; A.M., Princeton, 38, Ph.D., 42. Instr., Cincinnati, 40-42; asst. prof., Williams Col., 46-50; from assoc. prof. to SHERMAN PROF. POLIT. SCI., HAMILTON COL., 50- Vis. prof., Texas, 59; moderator, Aspen Inst. Humanistic Studies, 60-62. U.S.N.R., 42-46, Lt. Polit. Sci. Asn. Constitutional law; planning function of the National Resources Planning Board; toward a more integrated political science curriculum. Address: Dept. of Political Science, Hamilton College, Clinton, N.Y. 13325.

ROCKWELL, PROF. PERRY J(ACK), JR., b. Williamsport, Pa., Nov. 24, 24; m. 49; c. 2. GUIDANCE. B.S., Wisconsin, 49, M.S., 50, Ph.D., 58. Teacher, pub. schs., Ill., 50-51, 52-56; asst. guid., Wisconsin, 56-58; asst. prof. ed. & psychol., Pacific (Calif.), 58-60; ed., Indiana, 60-65, acting chmn. guid. div., 61-63; prof. counseling & guid., Atlanta, 65-66; assoc. prof. ED. PSYCHOL., WIS. STATE, PLATTEVILLE, 66-67, PROF. & CHMN. DEPT., 67- U.S.N., 42-45, 51-52. Psychol. Asn; Personnel & Guid. Asn. Historical aspects of guidance; individual counseling; counselor training. Publ: Social concepts of pioneers in guidance. Address: Counselor Education Laboratory, Wisconsin State University, Platteville, Wis. 53818.

ROCKWELL, PROF. THOMAS H., Indust. Eng., see 11th ed, Phys. & Biol. Vols.

ROCKWOOD, PROF. CHARLES EDWARD, b. Oak Park, Ill., May 21, 32; m. 66. ECONOMICS. B.S., Illinois, 54; M.B.A., Western Reserve, 57; fel., Indiana, 59-60, Ph.D. (econ.), 63. Mem. staff, Thompson Prods., Ramo-Woodridge Corp., 54-56; teaching assoc. ECON., Indiana, 57-59; asst. prof., FLA. STATE, 60-67, ASSOC. PROF., 67- Am. Econ. Asn; Royal Econ. Soc. Macro-economic theory; money and banking; social control of industry; labor economics; inflation. Publ: Co-auth., Measuring success of the elementary course: comment, Am. Econ. Rev. & Business entertainment and its motivation as a tax problem, Calif. Mgt. Rev., 63; auth., What's wrong with the wage guideposts, Bus. Horizons, 66. Address: Dept. of Economics, Florida State University, Tallahassee, Fla. 32306.

RODABAUGH, DR. JAMES H(OWARD), Am. Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

RODD, PROF. R(OBERT) STEPHEN, b. Toronto, Ont., Aug. 30, 28; m. 53; c. 4. ECONOMICS. B.A., British Columbia; M.Sc. (econ.), London Sch. Econ., 53; Mass. Inst. Tech., 56-59, fel., Joint Center Urban Studies, Mass. Inst. Tech. & Harvard, 59-60. Asst. agr. economist, Bristol, Eng., 53; lectr. agr. econ., Ont. Agr. Col., 53-56; consult. urban econ., Arthur D. Little, Inc., 58-60; res. assoc. regional econ., Upper Midwest Econ. Study, Minnesota, Minneapolis, 60-63; ASSOC. PROF. AGR. ECON., GUELPH, 63- Am. Econ. Asn; Regional Sci. Asn; Can. Econ. Asn. Regional and urban economic development and planning. Publ: Co-auth., Employment and earnings in the Upper Midwest 1950-1960, Upper Midwest Econ. Study, Univ. Minnesota, 62; auth., Economic growth and transition in Tweed Region, Dept. Agr. Econ., Univ. Guelph, 66; Rural land and urban growth, Ont. Inst. Munic. Assessors, 67. Address: Dept. of Agricultural Economics, University of Guelph, Guelph, Ont., Can.

RODDENBERRY, PROF. THADDEUS HALL, b. Moultrie, Ga., June 19, 21; m. 48; c. 1. ECONOMICS. A.B., Mercer, 43; A.M., Boston, 52, Ph.D., 64. Instr. math, Dean Jr. Col., 52-53; ECON. WORCESTER POLYTECH., 53-56, asst. prof., 56-60, assoc. prof., 60-68, PROF., 68- U.S.A.A.F., 43-45. Econ. Asn. Economic theory, especially economic growth; business fluctuations and mathematical economics. Address: Dept. of Economics, Government & Business, Worcester Polytechnic Institute, Worcester, Mass. 01609.

RODEHAVER, PROF. MYLES W(ILLIAM), b. Wausau, Wis., Dec. 4, 11; m. 35; c. 3. SOCIOLOGY. B.S., St. Lawrence, 33, B.D., 35; Ph.D. (sociol.), Wisconsin, 46. Lectr. sociol., Wisconsin, 42-44, asst. prof. rural sociol., 44-45; SOCIOLOG., Rochester, 45-47; assoc. prof. ST. LAWRENCE, 47-55, PROF., 55-, CHMN. DEPT. SOCIOLOG. & ANTHROP., 55- Sociol. Asn; Rural Sociol. Soc. Family and marriage; community. Publ: Sociology of the school; Migration and occupational structure: the clergy; co-auth., The socialization function of a maximum security prison, Am. J. Correction, 7/64. Address: 15 Prospect St., Canton, N.Y. 13617.

RODELL, DR. CHARLES, b. New York, N.Y., May 24, 10; m. 43; c. 2. PSYCHOLOGY. B.S., City Col. New York, 33, M.S., 34; Ph.D., Pa. State, 53. Interviewer, U.S. & State Employ. Servs., N.Y., 38-42; voc. psychologist, div. rehab. & ed., Vet. Admin., Chicago, Ill., 46-48; clin. psychologist, Fed. Bur. Prisons, Pa., 48-53; counseling psychologist, VET. ADMIN. HOSP., Downey, Ill., 53-56, chief counseling psychologist, Hines, 56-61, chief psychologist, restoration center, 62-67, SR. CLIN. & COUNSELING PSYCHOLOGIST.

DOWNNEY, 67- U.S.A., 42-46, Capt. Psychol. Asn. Psychological assessment and behavior modification techniques with respect to personal, social and career adjustment or development. Address: 1881 Lake Ave, Highland Park, Ill. 60035.

RODEMANN, DR. H. WILLIAM, European & African Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

RODEN, DR. AUBREY, b. Tusculumbia, Ala, May 9, 25; m. 51; c. 1. DEVELOPMENTAL PSYCHOLOGY. B.S. Tulane, 49; fel. Texas, 58, Ph.D. (human develop), 57. Clin. psychologist, 2nd Air Force Hosp, Barksdale, La, 50; psychologist, St. Martin's Episcopal Sch, 50-51; teacher, pub. sch, Calif, 52-54; asst. prof. ed. psychol, California, Berkeley & asst. res. psychologist, inst. human develop, 57-64; ASSOC. PROF. ED. PSYCHOL, Alberta, 64-66; STATE UNIV. N.Y. BUFFALO, 66- U.S.N., 43-46. Psychol. Asn; Soc. Res. Child Develop; Ed. Res. Asn; Nat. Coun. Measurement in Ed. Social and emotional development of the human individual. Address: Dept. of Educational Psychology, State University of New York, Buffalo, N.Y. 14214.

RODER, DR. WOLF, b. Schenectady, N.Y., Oct. 9, 32; m. 59; c. 2. GEOGRAPHY. B.A. Chicago, 54, M.A., 56, Ford Found. fel, 60-63, Ph.D. (geog), 65. City planner, Carl L. Gardner & Assoc, 56-58; instr. geog, Elmhurst Col, 59-60; asst. prof, Cincinnati, 63-67; socio-economist, Food & Agr. Orgn, UN, 67-68; ASSOC. PROF. GEOG. CINCINNATI, 68- U.S.A.F., 51-52. Asn. Am. Geog; Nigerian Geog. Soc. Social and economic conditions of development of irrigated peasant agriculture in Africa south of the Sahara. Publ: The Sabi Valley irrigation projects, Univ. Chicago, 65; The division of land resources in Southern Rhodesia, Ann. Asn. Am. Geog, 3/64. Address: Dept. of Geography, University of Cincinnati, Cincinnati, Ohio 45221.

RODES, DR. ROBERT MICHAEL, b. Lexington, Ky, July 28, 33; m. 56; c. 2. POLITICAL SCIENCE. B.A. Kentucky, 55; M.A., Hopkins, 57; Ph.D. (govt), Columbia, 66. Instr. POLIT. SCI, Kentucky, 59-66; ASST. PROF. DREW, 66- Polit. Sci. Asn; Asn. Adv. Slavic Studies. Foreign policy of the Soviet Union. Publ: Contrib. Soviet foreign relations and world communism, Princeton, 65. Address: Dept. of Political Science, Drew University, Madison, N.J. 07940.

RODEWALD, DR. H(ERBERT) KEITH, b. Murphysboro, Ill, July 23, 40; m. 67. PSYCHOLOGY. B.A., Washington (St. Louis), 62, M.A., 65, Ph.D. (psychol), 66. ASST. PROF. PSYCHOL, Central Michigan, 66-67; Lawrence, 67-68; CENTRAL MICHIGAN, 68- AAAS; Psychol. Asn. Psychology of learning and perception; statistical design of research. Publ: Effects of serial learning on recognition thresholds, 67, Effects of serial learning on recognition thresholds: check on method, 67 & Recognition thresholds as a function of association value of nonsense syllables, 68, Perceptual & Motor Skills. Address: Dept. of Psychology, Central Michigan University, Mt. Pleasant, Mich. 48858.

RODGERS, PROF. ALLAN L., b. New York, N.Y., July 3, 22; m. 44; c. 1. GEOGRAPHY. B.S. City Col. New York, 42; A.M. Wisconsin, 46, Ph.D., 50. Asst. prof. GEOG. PA. STATE, 50-55, assoc. prof, 55-61, PROF. & HEAD DEPT, 61- Asn. Am. Geog; Am. Geog. Soc. Publ: Industrial geography of the Port of Genova; Coking coal supply: its role in the expansion of the Soviet steel industry; Southern Italy: a case study of government subsidization of industrial development. Address: Dept. of Geography, 403 Deike Bldg, Pennsylvania State University, University Park, Pa. 16802.

RODGERS, DR. DAVID A(LEXANDER), b. Hugo, Okla., Jan. 12, 26; m. 50; c. 2. PSYCHOLOGY. B.S. Oklahoma, 48; American Univ; Ph.D. (psychol), Chicago, 53. Test constructor, home study dept, Chicago, 49-50; surv. dir, Neijelski & Co, Inc, 50-53; Vet. Admin. clin. psychol. trainee, Stanford, 54-55; asst. prof. psychol, California, 55-60; psychologist, Scripps Clin. & Res. Found, 61-66; MEM. DEPT. PSYCHIAT. & HEAD SECT. MED. PSYCHOL, CLEVELAND CLIN. FOUND, 66- U.S. Pub. Health Serv. fel, California, Los Angeles, 60-61; prof-in-residence, California, San Diego, 66. Consult, Vet. Admin, San Francisco, 56-60. Harry M. & Lillian Stratton Award, Am. Psychopath. Asn, 65. U.S.N., 44-46. AAAS; Psychol. Asn; Psychosom. Soc; Psychonomic Soc; Soc. Psychophysiol. Res. Alcohol preference; social role theory; behavior genetics; psychopathology. Publ: Alcohol preference in mice, In: Comparative Psychopathology, Grune, 67; co-auth, Cognitive process and conversion reactions, J. Nervous & Ment. Diseases, 67 & Social role theory, the marital relationship, and use of ovulation suppressors, J. Marriage & Family, (in press). Address: Cleveland Clinic Foundation, 2020 E. 93rd St, Cleveland, Ohio 44106.

RODGERS, DR. FRANK P(ETER), b. Utica, N.Y., Dec. 15, 24; m. 46; c. 2. COUNSELING PSYCHOLOGY. B.A., Buffalo, 46, Ed.D. (guid), 59; Ed.M., Rochester, 51. Instr. psychol, Assoc. Cols. Upper N.Y., 48-49; voc. counsr, vet. counseling center, Rochester Bd. Ed, N.Y., 49-51; interviewer, State Employ. Serv, 51-53; psychologist, counseling center, Rochester Inst. Tech, 53-56, assoc. dir. counseling center, 56-64; MANPOWER MGR, RITTER PFAUDLER CORP, 64- Lectr. sch. nursing, Rochester Gen. Hosp, 50-51. Consult, div. voc. rehab, State Dept. Ed, 59-64. Psychol. Asn. Personnel psychology; manpower-organizational planning; management succession; psychological evaluation of management personnel; projective personality techniques. Publ: Co-auth, Personnel recruitment and selection, Allyn & Bacon, 64. Address: 269 Heritage Dr, Rochester, N.Y. 14615.

RODGERS, DR. LELAND THORPE, b. Ottawa, Kans, May 19, 12; m. 41; c. 2. PSYCHOLOGY, COUNSELING. B.S. Ottawa (Kans), 34; M.S. Iowa, 37; Kansas, 38-39; M.Ed. Missouri, Columbia, 49, Ed.D. (counseling), 54. Instr. zool. Iowa, 35-37; teacher, Kemper Mil. Sch, 39-42; ASSOC. PROF. PSYCHOL, STEPHENS COL, 45- Summers, vis. lectr, Southwest Mo. State Col, 55, Northeast Mo. State Col, 56 & 57, Miami (Ohio), 58, assoc. prof, Missouri, 59-61, North. Mont. Col, 64, New Mexico, 65, supvr, Nat. Defense Ed. Act. Counseling Inst, Illinois State, 66. U.S.A.A.F., 42-45, 1st Lt. Psychol. Asn. Problems hindering adjustment of college women; counseling psychology; personality appraisal; psychological growth and development; parent-child relationships. Address: Dept. of Psychology, Stephens College, Columbia, Mo. 65201.

RODGERS, PROF. SARAH HAUGHTON, b. Carbon Hill, Ala, Nov. 24, 07; m; c. 4. BUSINESS STATISTICS. A.B. Alabama, 29, A.M., 30. Instr. ALABAMA, 30-37, 41-45, ASST. PROF. BUS. STATIST, 47- Statist. Asn. Probability; quantitative methods. Address: Box 1472, University of Alabama, University, Ala. 35486.

RODGERS, PROF. RAYMOND, b. Bath Co, Ky, Sept. 28, 99. FINANCE. A.B., Kentucky, 21; M.B.A., N.Y. Univ, 25. Instr. GRAD. SCH. BUS. ADMIN. & SCH. COMMERCE ACCOUNTS & FINANCE, N.Y. UNIV, 25-28, asst. prof. finance, 29-32, assoc. prof, 32-37, PROF. BANKING, 37- Mem. staff, Inst. Int. Finance, 25-; lectr, grad. sch. credit & financial mgt, Dartmouth Col; Newark. Econ. Asn; Finance Asn. Money and credit. Publ: Money and banking; Consumer credit and its uses; Banking. Address: Graduate School of Business Administration, New York University, 100 Trinity Place, New York, N.Y. 10003.

RODGERS, DR. RAYMOND S., b. London, Eng, Feb. 10, 35; m. 65; c. 2. POLITICAL SCIENCE. B.A., Sir George Williams, 57; dipl, London, 57; M.I.A. Columbia, 59, Ph.D. (int. & comp. law), 61. Meetings commentator, UN Radio, 59-60; lectr. polit. sci, McGill, 60-61; parliamentary ed. & commentator, Can. Parliamentary Press Gallery, 61-64; staff training officer, Can. Dept. Defence Prod, 64-65; asst. prof. POLIT. SCI, South Alabama, 65-66; ASSOC. PROF. SOUTHWESTERN LOUISIANA, 66- Dir, Fairhope Proj, South Alabama, 65- Consult, Can. Coun. Urban & Regional Res, Ottawa, 63; Can. Centennial Cmn, 63. Chmn, cmt. int. accords, State La. Tourist Cmn, 67- Canadian Army, 52-54, Malitia, 54-63, Lt. Polit. Sci. Asn; Royal Geog. Soc; Int. Law Asn; Int. Studies Asn. International administration, governmental and non-governmental aspects; Canadian government, especially French-English relationships; Acadian studies. Publ: Facilitation problems of international associations, Union Int. Asn, Brussels, 60; Le sexe et la loi au Canada, Editions du jour, Montreal, 62; Federal government, Can. Dept. Defence Prod, Ottawa, 64. Address: Dept. of Political Science, University of Southwestern Louisiana, Lafayette, La. 70501.

RODGERS, DR. ROBERT RYERSON, b. Springfield, Ohio, Aug. 22, 25; m. 55; c. 4. PSYCHOLOGY. Princeton, 46-48; M.A., Chicago, 56, Ph.D. (human develop), 64. Res. asst. psychol, Chicago, 51-57; trainee soc. psychol, Vet. Admin, 58-60, soc. psychologist, 61, acting chief day center, 62-63; RES. ASSOC. DEVELOP. PSYCHOL, CORNELL, 64- U.S.A., 44-46, Sgt. Psychol. Asn; assoc. Sociol. Asn. Social and developmental psychology; social psychiatry; creativity, values, anxiety; relations of individuals to institutions. Publ: What is a day center? Community Ment. Health J, 67; Standards of social behavior among school children in four cultures, Int. J. Psychol, 68. Address: Dept. of Child Development & Family Relationships, Cornell University, Ithaca, N.Y. 14850.

RODGERS, DR. ROY H(ERMAN), b. Peoria, Ill, Apr. 24, 29; m. 50; c. 3. SOCIOLOGY. B.A., Wheaton Col. (Ill), 51; M.A., North Carolina, Chapel Hill, 57; Ph.D. (sociol), Minnesota, 62. Asst. prof. SOCIOL, Western Michigan, 59-63; ASSOC. PROF. OREGON, 63- V.CHMN. DEPT, 66- Mem-at-large exec. cmt, Nat. Coun. Family Rels, 67-69. U.S.N.R., 51-55, Lt. Sociol. Asn. Family sociology; socialization processes; social organization; occupational development. Publ: Co-auth, The developmental approach, In: Handbook of marriage and the family, Rand McNally, 64; auth, Toward a theory of family development, J. Marriage & Family, 8/64; The occupational role of the child: a research frontier in the developmental conceptual framework, Soc. Forces, 12/66. Address: Dept. of Sociology, University of Oregon, Eugene, Ore. 97403.

RODGERS, DR. WILLIAM BLACKSTOCK, b. St. Petersburg, Fla, Apr. 28, 37; m. 58; c. 2. ANTHROPOLOGY. A.B. Harvard, 60; M.A., Stanford, 62, Ph.D. (anthrop), 65. ASST. PROF. ANTHROP, CALIFORNIA, LOS ANGELES, 65- Univ. California, Los Angeles Faculty fel, summer 67. Fel. Anthropol. Asn; fel. Soc. Appl. Anthropol. Sociocultural anthropology especially cultural change and cultural ecology and their applications in applied anthropology. Publ: Development and specialization, Ethnology, 66; Household atomism and change, Southwest J, 67; Changing gratification orientations, Human Orgn, 68. Address: Dept. of Anthropology, University of California, Los Angeles, Calif. 90024.

RODICK, DR. BURLEIGH CUSHING, b. Freeport, Maine, June 12, 89. POLITICAL SCIENCE. A.B., Bowdoin Col, 12; univ. scholar, Harvard, 13-14, A.M., 14; Penfield traveling fel, Pennsylvania, 23-24; Ph.D., Columbia, 28. Acting prof. hist. & polit. sci. & acting head dept, Allegheny Col, 19-20; prof. & head dept, Wagner Col, 33-38; asst. prof. govt. & polit. sci, Brooklyn Col, 38-59, grad. sch, 57-59, dep. chairman, 46-50; RES. & WRITING, 50- Instr, eve. session, Hunter Col, 20-42; lectr, Brooklyn Col, 31-35; Staten Island Hosp, 35-36. Hereditary Knight of Justice, Malta, 58, under secy. state, Knights of Malta, 67- AAAS; Geog. Soc. International law; social history; American constitutional custom and the Civil War. Publ: Doctrine of necessity in international law; American constitutional custom; Appomattox: the last campaign, Philos. Library, 65. Address: 23 Bank St, New York, N.Y. 10014.

RODMAN, DR. HYMAN, b. Montreal, Que, Can, May 5, 31; m. 55; c. 4. SOCIOLOGY. B.A., McGill, 52, M.A., 53; fel, Harvard, 55-57, Ph.D., 57. From lectr. to asst. prof. SOCIOL, Boston, 58-61; RES. ASSOC. MERRILL-PALMER INST, 61- Russell Sage Found. fel, 57-59; Nat. Inst. Ment. Health res. grants, 62-64; Welfare Admin. res. grants, 64-67. Consult, President's Cmn. on Law Enforcement & Admin. Justice, 66; Nat. Adv. Cmn. Civil Disorders, 67. AAAS; Nat. Coun. Family Rels; Soc. Study Soc. Prob. (ed. Soc. Prob, 67); Sociol. Asn; Can. Sociol. & Anthropol. Asn. Family sociology; social organization; lower-class values. Publ: Marriage, family and society: a reader, Random, 65; The lower-class value stretch, Soc. Forces, 12/63; Illegitimacy in the Caribbean social structure: a reconsideration, Am. Sociol. Rev, 10/66. Address: Merrill-Palmer Institute, Detroit, Mich. 48202.

RODNEY, DR. JOEL M(ORRIS), Brit. Hist, Hist. of Sci, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

- RODNICK, PROF. DAVID**, b. New Haven, Conn, May 10, 08; m. 45; c. 1. **SOCIOLOGY**. B.S., N.Y. Univ, 30; M.A., Yale, 33; Ph.D. (cultural anthrop), Pennsylvania, 36. Soc. scientist, Off. War Info, 42-43; Off. Strategic Serv, Eng. & Germany, 44-45; Off. Mil. Govt, Germany, 45-46; staff mem, res. proj. contemporary cultures, Columbia, 47; Soc. Sci. Res. Coun. fel, Czech, 48-49; Fulbright scholar, Norway, 49-50; consult, Econ. Coop. Admin. & Mutual Security Agency, 51-52; soc. scientist, human resources res. inst, U.S. Air Force, France, 52-54; Inst. Int. Soc. Res, 55-58; chmn. soc. sci. div, Inter-American Univ, P.R., 59-61; PROF. sociol. & anthrop, Iowa Wesleyan Col, 61-63; sociol, Army War Col, 63-65; **SOCIOLOGY** & **ANTHROPOLOGY**, Midwestern, 65-67; **TEXAS TECH. COL.**, 67- Summers, vis. prof. Pa. State, 62, Saskatchewan, 67 & Manitoba, 68. Fel. Sociol. Assn; fel. Anthropol. Assn; fel. Soc. Appl. Anthropol.; Soc. Hist. Tech. Problems of developing areas; industrialization; sociological change; contemporary urbanization; development of civilization; sociology of the future. Publ: Postwar Germans, Yale Univ, 48; The Norwegians, Pub. Affairs Press, 56; Introduction to man and his development, Appleton, 66. Address: Dept. of Sociology & Anthropology, Texas Technological College, Lubbock, Tex. 79409.
- RODNICK, PROF. ELIOT HERMAN**, b. New Haven, Conn, Nov. 24, 11; m. 40; c. 2. **PSYCHOLOGY**. B.A., Yale, 33, Ph.D. (psychol), 36. Asst. inst. human rels, Yale, 34-36; instr. psychol, Mt. Holyoke Col, 39; vis. lectr, Clark, 43-44, lectr, 44, asst. prof, 44-46, assoc. prof, 46-49; prof. psychol. & dir. clin. training, Duke, 49-61, chmn. dept. psychol, 51-61; PROF. PSYCHOL, CALIFORNIA, LOS ANGELES, 61-, v.chmn. dept, 61-62. Res. psychologist, Worcester State Hosp, Mass, 36-46, dir. psychol. res. & chief psychiat, 46-49; acting dir, Worcester Child Guid. Clin, 46-47. Consult. mem, Worcester Found. Exp. Biol, 46-49; consult. med. center, Duke, 49-61; Umstead State Hosp, 53-61. Mem, Atlanta area psychol. adv. cmt, Vet. Admin, 49, cmt. off. adv. cmt, 57-61; ment. health study sect, Nat. Inst. Ment. Health, 53-56, behav. sci. study sect, 56-57, ment. health proj. rev. cmt, 56-59, chmn. spec. grants rev. cmt, 60-62, mem. training cmt. biol. sci, 62-66, chmn, 65-66; mem. cmt. ment. health res. & training, West. Interstate Cm. Higher Ed, 61-66, exec. cmt, 65-66; adv. cmt. on abuse of stimulant & depressant drugs, Food & Drug Admin, 66- Dean award, 67. Fel. AAAS; Orthopsychiat. Assn. (pres, 67-68); fel. Psychol. Assn. Psychopathology; personality; clinical psychology; psychological factors in schizophrenia; psychophysiology. Address: 21446 Rambla Vista, Malibu, Calif. 90265.
- RODRIGUEZ, DR. LOUIS J.**, b. Newark, N.J., Mar. 13, 33; wid; c. 2. **ECONOMICS**. B.A., Rutgers, 55; M.A., La. State, 57, Ph.D. (econ), 63; Seton Hall, 58-59. Prof. econ, NICHOLLS STATE COL, 58-65, CHMN. DEPT. BUS. ADMIN, 65- Alcee Fortier hon. prof. econ, 67. Teaching asst, La. State, 60-61; Ford Found. fel, 64. Mem, La. State Dept. Ed. Cmt. Study Teaching of Econ. in La. Sec. Schs, 65. Asst. field dir, La. Coun. Econ. Ed, 67. Assn. Evolutionary Econ; Econ. Assn. Latin American studies; economic history; money and banking. Publ: The investment-consumption negative correlation puzzle: a comment, Southwest. Soc. Sci. Quart, 6/66; United States-Spanish economic relations during World War II: an economic interpretation, McNeese Rev, fall 66 & The Terrebonne project: ideological revolution or economic expediency?, La. Studies, fall 67. Address: Dept. of Business Administration, Nicholls State College, Thibodaux, La. 70301.
- RODRIGUEZ-AMADOR, PROF. SAMUEL L (UCAS)**, Bus. Mgt, see 10th ed, Soc. & Behav. Vols.
- RODRIGUEZ-BOU, DR. ISMAEL**, b. Orocovis, P.R., Sept. 28, 11; m. 48; c. 3. **PSYCHOLOGY**. M.A., Columbia, 38; Ph.D., Texas, 44; Madrid, 60. Asst. prof. ed. psychol, PUERTO RICO, 41-45, PROF. PSYCHOL, 45-, DIR. PLANNING & RES. OFF, 66-, permanent secy. superior coun. ed, 45-66. Consult. ed. seminar, Mysore, India; ministries of ed, El Salvador, Guatemala, Costa Rica, Panama. Mem. Am. Ed. Res. Assn. Language; education. Publ: Parallelism of English and Spanish vocabularies; Spanish word count; Study of the educational system of Puerto Rico. Address: Planning & Research Office, University of Puerto Rico, Rio Piedras, P.R. 00931.
- RODWIN, PROF. LLOYD**, b. New York, N.Y., Sept. 14, 19; m. 43; c. 3. **LAND ECONOMICS**. B.S.S., City Col. New York, 39; New Sch. Soc. Res, 40; M.A., Wisconsin, 45; Littauer fel. Harvard, 45-46; M.P.A., 46, Ph.D. (regional planning), 49. From res. assoc. to PROF. LAND ECON, MASS. INST. TECH., 46-, CHMN. FACULTY CMT. JOINT CENTER FOR URBAN STUDIES, MASS. INST. TECH. & HARVARD, 59- Prin. staff analyst, cmt. housing res, Soc. Sci. Res. Coun, 51; Fulbright sr. lectr, Liverpool, Eng, 51-52; vis. prof, Puerto Rico, 53-54; dir, Guayana Develop. Proj. Joint Center Urban Studies, 61-66; Guggenheim fel, 65-66. Consult. A.D. Little, Inc; housing & planning sect, UN; State Rent Control Admin, N.Y.; housing authority, Planning Bd, P.R.; Orgn. Econ. Coop. & Develop; dept. regional planning, Ministry of Reconstruct. & Resettlement & State Planning Orgn, Turkey; Direccion de Urbanismo & Banco Obrero, Venezuela; Banco Mexico, Mex; Inter-Am. Housing Center, Bogota, Columbia; P.R. Aqueduct & Sewer Authority, 67-; Urban Design Concept Team Baltimore, 67- U.S.A. 43. Econ. Assn; Inst. Planners; Regional Sci. Assn. Regional planning; metropolitan growth and structure; housing economics and policy; urban and regional problems in developing areas. Publ: British new towns policy; Housing and economic progress; ed, Future metropolis. Address: Dept. of City & Regional Planning, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- ROE, DR. ANNE**, b. Denver, Colo, Aug. 20, 04; m. 38. **PSYCHOLOGY**. B.A., Denver, 23, M.A., 25, Ph.D. (psychol), Columbia, 33; hon. M.A., Harvard, 63; hon. L.H.D., Lesley Col, 65. Res. asst, lab. appl. physiol, Yale, 43-46, dir. study scientists, U.S. Pub. Health Serv. res. grant, 47-51; chief psychol. training unit, Montrose Vet. Admin. Hosp, N.Y., 55-57; adj. prof, N.Y. Univ, 57-59; lectr. ed. & res. assoc. grad. sch. ed, HARVARD, 59-63, prof. ed, 63-67, dir, CENTER RES. CAREERS, 63-66, EMER. DIR, 66-, EMER. PROF. ED, 67- Guggenheim fel, 51-52; U.S. Pub. Health Serv. res. grant, 62-63; lectr, Arizona, 67- Nat. Voc. Guid. Assn. lifetime career award, 67. Dipl. Am. Bd. Exam. Prfnl. Psychol, 47. Psychol. Assn; Personnel & Guid. Assn; Soc. Vert. Paleont; Acad. Arts & Sci. Personality and vocation; interview techniques. Publ: Psychology of occupations; Making of a scientist; co-auth, Quantitative zoology. Address: 5151 E. Holmes St, Tucson, Ariz. 85711.
- ROE, DR. ARNOLD**, Eng, see 11th ed, Suppl. IV to Phys. & Biol. Vols.
- ROEBER, PROF. EDWARD C (HARLES)**, b. Rhinelander, Wis, Apr. 14, 13; m; c. 4. **COUNSELING**. B.A., Lawrence Col, 35; M.A., Northwestern, 38, All- Univ. fel, 40-41, Ph.D. (counseling psychol), 42. Assoc. prof. ed. psychol, Hamline, 43-45; dir. guid, Kans. State Col, 45-47; assoc. prof. ed. & counsr, Missouri, 47-53; prof. & counsr, Michigan, 53-66; W.R. HOLMSTEDT DISTINGUISHED PROF. ED, INDIANA STATE, 66- Consult, div. higher ed, U.S. Off. Ed, 58- Personnel & Guid. Assn. (pres, 61-62); Psychol. Assn. Counselor education; counseling psychology; theory and practice; vocational development theory; occupational psychology and sociology. Publ: Co-auth, Organization and administration of guidance services; Casebook of counseling; Occupational information. Address: School of Education, Indiana State University, Terre Haute, Ind. 47809.
- ROEHL, DR. C (LEMENS) ALLEN**, b. Wayzata, Minn, Sept. 12, 30. **PSYCHOLOGY**. B.A., Minnesota, 55, Ph.D. (psychol), 59. Clin. psychologist, Norfolk State Hosp, Nebr, 60-67; **PSYCHOLOGIST, PANHANDLE MENT. HEALTH CENTER, SCOTTSBLUFF**, 67- Asst. prof, Nebr. State Teachers Col. (Wayne), 60-67. Consult, St. Joseph's Orphanage, Torrington, Wyo, 67- U.S.A., 51-53, Sgt. Psychol. Assn; Assn. Ment. Deficiency. Psychodiagnostics; experimental psychodynamics. Address: Route 1, Box 125 C, Scottsbluff, Nebr. 69361.
- ROEHRKASSE, PROF. GLENN P (AUL)**, b. Casper, Wyo, Apr. 13, 25; m. 50; c. 2. **AGRICULTURAL ECONOMICS, STATISTICS**. B.S., Wyoming, 51, M.S., 53; Ph.D., Iowa State, 62. Instr. agr. econ, Wyoming, 53-54, county agent, 54-55, asst. prof. AGR. ECON, 55-59; asst, Iowa State, 60-61; assoc. prof, WYOMING, 62-67, PROF, 68-, **STATISTICIAN, EXP. STA.**, 62- U.S.N., 44-46. Agr. Econ. Assn; Statist. Assn; Biomet. Soc. Agricultural production economics. Publ: Machinery management decisions; Marketing poultry and eggs in Torrington and Laramie, Wyoming; The economic value of the Wyoming sheep-and-wool industry to Wyoming's economy. Address: College of Agriculture, University of Wyoming, Laramie, Wyo. 82070.
- ROELOFS, PROF. H. MARK**, b. Stamford, Conn, Oct. 25, 23; m. 62; c. 2. **POLITICAL SCIENCE**. B.A., Amherst Col, 47; B.A., Oxford, 49, B. Litt, 50. Instr. POLIT. SCI, Colgate, 50-52; asst. prof, Cornell, 52-58; ASSOC. PROF, N.Y. UNIV, 58- U.S.N., 43-46, Lt. (jg). Polit. Sci. Assn. Contemporary political philosophy; American political philosophy. Publ: Tension of citizenship, Rinehart, 57; Language of modern politics, Dorsey, 67. Address: Dept. of Government, New York University, University Heights, Bronx, N.Y. 10453.
- ROEMMICH, PROF. HERMAN**, b. Hettinger Co, N.Dak, Aug. 5, 14; m. 46; c. 2. **PSYCHOLOGY**. B.A., Jamestown Col, 37; M.A., Colorado, 41; M.A., Columbia, 46; Ph.D. (ed. & psychol), Washington (Seattle), 50. Voc. psychologist, Vet. Admin. Regional Off, Miami, Fla, 46-48; prof. ed. & dir. counsr. training, Arizona, 49-52; dir. training eval. res, U.S. Naval Personnel Res. Field Activity, Calif, 52-58; ASSOC. PROF. ED. & TEST OFFICER, SAN DIEGO STATE COL, 58- Sr. coordinator & instr, Alberta. Consult, Ariz. State Dept. Ed; Solar Aircraft. Psychol. Assn; Personnel & Guid. Assn; Sociol. Assn; Nat. Assn. Ed. Res. Educational psychology; guidance and counseling; military research, training and psychometrics. Publ: Survey of shipboard training in sonar operation and maintenance; Studies of anti-submarine team training; Improving selection and training of candidates for administrative advancement through role perception. Address: 5161 College Gardens Court, San Diego, Calif. 92115.
- ROEN, DR. SHELDON R (OSENTHAL)**, b. New York, N.Y., Sept. 5, 28; m. 54; c. 3. **CLINICAL PSYCHOLOGY**. B.S., City Col. New York, 50, M.A., 51; Ph.D. (clin. psychol), Columbia, 55; Harvard, 61-62. Teacher pub. schs, N.Y., 50-53; asst, Columbia, 53; intern clin. psychol, Walter Reed Hosp, 53-54; chief psychologist, Ment. Hyg. Serv, Okla., 55-58; asst. prof. psychol, New Hampshire, 58-60; res. assoc. psychol, Harvard Med. Sch. & asst. chief psychologist, Mass. Ment. Health Center, 60-62; dir. res, South Shore Ment. Health Center, 62-66; ASSOC. PROF. PSYCHOL. & DIR. PSYCHOL. CONSULTATION CENTER, TEACHERS COL, COLUMBIA, 66- Instr, Cameron Col, 56-57; lectr, Long Island, 58; Tufts, 61-62; instr. cmn. exten. courses, Harvard, 61-63. Consult, Nashua Community Coun, N.H., 62-65; Vet. Admin, 64-; Vols. in serv. to Am. Off. Econ. Opportunity, 67- Ed, Community Ment. Health J, 66- U.S.A., 53-58, Res. 58-, 1st Lt. AAAS; fel. Psychol. Assn; Acad. Polit. & Soc. Sci; fel. Pub. Health Assn; fel. Orthopsychiat. Assn. Community psychology; adaptation theory; primary prevention. Address: Teachers College, Columbia University, 525 W. 120th, New York, N.Y. 10027.
- ROEPKE, PROF. HOWARD G (GEORGE)**, b. Carpentersville, Ill, Nov. 27, 21; m. 44. **GEOGRAPHY**. B.A., Wisconsin, 48, M.A., 50; Fulbright fel, Eng, 51-52; univ. fel. & Ph.D. (geog), Northwestern, 53. Instr. GEOG, ILLINOIS, URBANA, 52-55, asst. prof, 55-59, assoc. prof, 59-63, PROF, 63- AAAS; Assn. Am. Geog; Indust. Develop. Coun. (ed, Jour, 66-); fel. Royal Geog. Soc. Economic geography; political geography; geography of Europe; industrial location; area development. Publ: Movements of the British iron and steel industry, 1720-1951; co-auth, St. Lawrence seaway: its impact on the industry of Chicago, State Ill, 59; auth, Readings in economic geography, Wiley, 67. Address: Dept. of Geography, University of Illinois, Urbana, Ill. 61801.
- ROESCH, PRES. RAYMOND A (UGUST)**, b. Jenkintown, Pa, Sept. 16, 14. **PSYCHOLOGY**. B.A., Dayton, 36; M.A., Catholic Univ, 45; Ph.D., Fordham, 54. Dir. guid. serv, Chaminade Sch, 45-50; instr, DAYTON, 51-52, asst. prof, PSYCHOL, 52-57, assoc. prof, 57-59, PROF, 59-, chmn. dept, 52-59. Psychol. Assn. Mental hygiene; counseling and guidance; experimental psychology. Address: University of Dayton, 300 College Park Ave, Dayton, Ohio 45409.
- ROESLER, PROF. THEODORE W (ILLIAM)**, b. Doniphan, Nebr, July 22, 19; m. 48; c. 2. **ECONOMICS**. B.S., Nebraska, 41, A.M., 47; Ph.D. (econ), Wisconsin, 53. Asst. prof. ECON, Augustana Col, 50-53, assoc. prof, 53-54, prof, 54-57, chmn. dept, 53-57; asst. prof, NEBRASKA, LINCOLN, 57-65, assoc. prof, 65-67, PROF, 67- Econ. Assn; Statist. Assn; Indust. Fels. Res. Assn. Economic conditions analysis; statistics; econometrics. Publ: Allo-

- cating highway user taxes in Nebraska, Bur. Bus. Res, Univ. Nebraska, 63; co-auth. Shifts in income and employment in Nebraska in the postwar period, *Nebr. J. Econ. & Bus.*, spring 66. Address: Dept. of Economics, University of Nebraska, Lincoln, Nebr. 68508.
- ROESSLER, PAUL A, b. Buckman, N.Mex, Oct. 8, 20; m. 46; c. 9. SOCIAL & POLITICAL SCIENCE. B.S.F.S., Georgetown, 49; Maryland, 65-68. Field rep, War Claims Cmn, 49-50, Philippine liaison officer, 50-51; for. liaison officer, For. Claims Settlement Cmn, 52-56; Atomic Energy Cmn, 56-63, asst. atomic energy attache, U.S. Embassy, Tokyo, Japan, 57-61; staff assoc. int. sci. activities, Nat. Sci. Found, 63-65; CHIEF ECON. SECT. ECON. & GOVT. AFFAIRS DIV, INT. & CIVIL AFFAIRS DIRECTORATE, U.S. DEPT. ARMY, 65- Consult, Am. Indust. Consult, Inc, 63- U.S.A. 41-46, Res, 56-, Lt. Col. Polit. Sci. Asn. Political and socio-economic development of countries of the Far East, Southeast Asia and Latin America. Publ: Co-auth, Prisoner of war, 1948, *Inst. World Polity*, 48. Address: 6731 Greentree Rd, Bethesda, Md. 20034.
- ROESSLER, DR. ROBERT L, Psychiat, see 11th ed, Phys. & Biol. Vols.
- ROETHLISBERGER, DR. FRITZ J(ULES), b. New York, N.Y., Oct. 29, 98; m. 29; c. 1. HUMAN RELATIONS. A.B. Columbia, 21; B.S. Mass. Inst. Tech, 22; A.M. Harvard, 25; hon. Dr. St. Gallen Grad. Sch. Econ. Bus. & Pub. Admin, 63. Instr. indust. res. grad. sch. bus. admin, HARVARD, 27-30, asst. prof, 30-38, assoc. prof, 38-46, prof. HUMAN RELS, 46-50, Donham prof, 50-67, EMER. PROF, 67- Mem. staff, off. Prod. Mgt, 41-42. Taylor Key award, Soc. Adv. Mgt, 56; Howard Ledlie prize, 59. Sociol. Asn; Soc. Appl. Anthropol; Am. Acad. Arts & Sci. Administration. Publ: Management and morale; co-auth, Management and the worker & Motivation, productivity and satisfaction of workers: a prediction study. Address: 100 Memorial Dr, Cambridge, Mass. 02142.
- ROFES, WILLIAM L(OPATIN), b. Boston, Mass, Sept. 27, 26; m. 50; c. 3. POLITICAL SCIENCE. A.B. Harvard, 47; M.A. Columbia, 48; London, 51. Lectr. polit. sci, Rutgers, 48-49; instr, Brooklyn Col, 49-52; sr. res. assoc. hist. & arch. mgt, Nat. Records Mgt. Coun, 54-56; records mgr, Olin Mathieson Chem. Corp, 56-61; supvr. records mgt, Repub. Aviation Corp, 61-64; archivist, INT. BUS. MACH. CORP, 64-66, MGR. RECORDS CREATION & DISPOSAL, 66- Lectr. N.Y. Univ, 64- U.S.N. 44-46, 52-54, Lt. Soc. Archivists; Asn. Records Execs. & Adminstrs. (pres, 64-65); Soc. Hist. Tech; Am. Records Mgt. Asn. Public and business administration; records management. Publ: Index to federal record keeping requirements; Case studies in records retention and control; Standards for filing engineering drawings. Address: 5 Wheatly Place, Commack, N.Y. 11725.
- ROFF, PROF. MERRILL F(LAGG), b. Wichita, Kans, Apr. 13, 09; m. 33; c. 4. PSYCHOLOGY. A.B. Wichita, 29; M.A. Kansas, 30; Ph.D. (psychol), Cornell, 33. Asst. PSYCHOL, Cornell, 30-33; Chicago, 33-35; from instr. to assoc. prof, Indiana, 35-47; RES. PROF, INST. CHILD DEVELOP, MINNE-SOTA, MINNEAPOLIS, 47- Dir. aviation psychol. prog, U.S. Dept. Air Force, 46, chief dept. psychol, sch. aviation med, 46-47. U.S.A.A.F, 42-45, Maj. AAAS; Fel. Psychol. Asn; fel. Psychomet. Soc; fel. Soc. Multivariate & Exp. Psychol; fel. Ed. Res. Asn. Psychometrics; developmental abnormal psychology. Address: Institute of Child Welfare, University of Minnesota, Minneapolis, Minn. 55455.
- ROGERS, DR. ARTHUR, b. Garden City, N.Y., June 22, 30; m. 51; c. 3. PSYCHOLOGY. B.S. Florida, 50; M.A. 52; Ph.D. La. State, 59. Clin. psychologist, La Rue Carter Mem. Hosp, 58-59; asst. chief psychologist, VET. ADMIN. HOSP, Indianapolis, Ind, 59-61, SUPVRY. PSYCHOLOGIST, NORTH LITTLE ROCK, ARK, 61- Clin. psychol. fel, Southeast La. Hosp, 56-58; instr, sch. med, Indiana, 60-61. Private practice, 66- Psychol. Asn. Hallucinatory experiences of psychotics and the relationship to interpretation of the environment; relationship of structure of psychological instruments with degree of manifestation of pathology; personality development; neuropsychology. Address: 3800 John Pope Ave, North Little Rock, Ark. 72116.
- ROGERS, DR. ARTHUR H(UGO), b. New York, N.Y., Feb. 8, 29; m. c. 2. PSYCHOLOGY. B.A. California, Los Angeles, 49; M.A. City Col. New York, 51; Ph.D. Denver, 56. Intern. clin. psychol, Lincoln State Sch, Ill, 51; psychologist, Jacksonville State Hosp, 54, supv. psychologist, 56-59; clin. psychologist, Ment. Health Center, Adams County, Ill, 59-61; COUNSELING CENTER, Calif. State Polytech. Col, 61-63; SAN JOSE STATE COL, 63- Resident fel, Esalen Inst, Calif, 67-68. Psychol. consult, Y.M.C.A., Greater San Francisco Area, 68- Med.C., U.S.A., 51-53. Psychol. Asn. Nonverbal encounter group; Gestalt therapy; videotape feedback for self-confrontation. Publ: Self concept in paranoid schizophrenia & Defensiveness and unwitting self-evaluation, *J. Clin. Psychol*; Videotape feedback in group psychotherapy, *Psychotherapy*, 68. Address: Counseling Center, San Jose State College, San Jose, Calif. 95114.
- ROGERS, DR. CARL R(ANSOM), b. Oak Park, Ill, Jan. 8, 02; m. 24; c. 2. CLINICAL PSYCHOLOGY. B.A. Wisconsin, 24; Union Theol. Sem, 24-26; fel, Inst. Child Guid, 27-28; M.A. Columbia, 28, Ph.D.(ed. & clin. psychol), 31; L.H.D., Lawrence Col, 56. Psychologist, child study dept, Soc. Prev. Cruelty to Children, Rochester, N.Y., 28-30, dir, 30-38; Rochester Guid. Center, 39; prof. clin. psychol, Ohio State, 40-45; dir. of counseling serv, United Serv. Orgn, N.Y., 44-45; prof. psychol. & exec. secy. counseling center, Chicago, 45-57; prof. psychol. & psychiatrist, Wisconsin, 57-63; RESIDENT FEL, WEST. BEHAV. SCI. INST, 64- Fel. Center Adv. Study Behav. Sci, 62-63. Fel. Psychol. Asn.(pres, 46, distinguished sci. contribution award, 56); Acad. Psychother.(pres, 56, 57); fel. Am. Acad. Arts & Sci. Psychotherapy; personality theory; basic encounter groups. Publ: Client-centered therapy; On becoming a person; co-auth, The therapeutic relationship: a study of psychotherapy with schizophrenics, Univ. Wisconsin, 67. Address: 2311 Via Siena, La Jolla, Calif. 92037.
- ROGERS, DR. CECIL A(RTHUR), JR, b. Hattiesburg, Miss, Nov. 22, 38; m. 60; c. 1. PSYCHOLOGY. A.B. Millsaps Col, 61; Nat. Sci. Found. fel, Tulane, 61-62, M.S., 63, Nat. Inst. Ment. Health fel, 63-65, Ph.D.(psychol), 65.
- ASST. PROF. PSYCHOL, ARIZONA, 65- NASA res. grants human info. processing & execution, 66-68. AAAS; Psychol. Asn. Human learning and memory and physiological bases thereof; biomedical computer applications. Publ: Computers, physicians, and the diagnostic decision-making process, *Human Factors*, 64; Retroactive interference as a function of set and recall environment, *Psychonomic Sci*, 5: 223-224; Human learning and retention, In: *Contemporary experimental psychology*, Scott, 68. Address: Dept. of Psychology, University of Arizona, Tucson, Ariz. 85721.
- ROGERS, DR. CHARLES E(LKINS), b. Ozark, Mo, May 5, 92; m. 18, 60; c. 1. POLITICAL SCIENCE, ECONOMICS. Ph.D. Minnesota, 48. Assoc. prof, Kans. State Col, 19-26, head dept. indust. journalism, 26-29; tech. journalism, Iowa State Col, 39-44; ed. rels. officer, Food & Agr. Orgn, UN, 46-52; ed, Agr. Econ. Res, U.S. Dept. Agr, 52-60; RETIRED. U.S.A., 17-19, Lt. Polit. Sci. Asn. Public opinion. Publ: Agricultural journalism; Journalistic vocations; Reporting FFA news. Address: 520 N St. S.W., Apt. S-411, Washington, D.C. 20024.
- ROGERS, DR. CHARLES M(OREY), Psychol, see 11th ed, Phys. & Biol. Vols.
- ROGERS, DR. CHESTER B, b. Cincinnati, Ohio, Oct. 20, 39; m. 62; c. 1. POLITICAL SCIENCE. B.A. Cincinnati, 62, M.A., 63; Ph.D.(polit. sci), Northwestern, 67. ASST. PROF. POLIT. SCI. & DIR. INST. PUB. AFFAIRS, WESTERN MICHIGAN, 66- Polit. Sci. Asn. Urban politics and empirical theory. Address: Institute of Public Affairs, Western Michigan University, Kalamazoo, Mich. 49001.
- ROGERS, PROF. DAVID B, b. Brooke Co, W.Va, Sept. 29, 94. SOCIOLOGY. A.B. Bethany Col, 19; M.S., Ohio State, 26; Ph.D. Pittsburgh, 31. Head dept. soc. sci, West. Liberty State Teachers Col, 19-31, asst. prof. SOCIOL, PITTSBURGH, 31-39, assoc. prof, 39-45, prof, 45-64, EMER. PROF, 64- Sociol. Asn. Social organization of metropolitan areas; juvenile delinquency; criminology and methods in social research. Address: Dept. of Sociology, University of Pittsburgh, Pittsburgh, Pa. 15213.
- ROGERS, DR. DOROTHY, b. Ashburn, Ga, May 31, 14. PSYCHOLOGY. A.B. Georgia, 34, M.A., 36; Ph.D.(ed. psychol), Duke, 46. Instr. PSYCHOL, STATE UNIV. N.Y. COL. OSWEGO, 46-48, asst. prof, 48-50, PROF, 50- Educator's award, Delta Kappa Int. Soc, 58. Psychol. Asn. Developmental psychology; educational psychology. Publ: Oswego: fountainhead of teacher education, 61 & Psychology of adolescence, 62, Appleton; Child psychology, Bruce-Cole Pub. Co, in press. Address: Dept. of Psychology, State University of New York College at Oswego, Oswego, N.Y. 13126.
- ROGERS, PROF. EDWARD JONATHAN, b. Hanford, Calif, Feb. 9, 15; m. 47; c. 3. INTERNATIONAL RELATIONS. A.B. San Jose State Col, 38; M.A. Stanford, 48, Ph.D. 57. Trust dept, Wells Fargo Bank, San Francisco, Calif, 38-41; instr. soc. sci, SAN JOSE STATE COL, 48-52, asst. prof. POLIT. SCI, 52-57, assoc. prof, 57-60, PROF, 60- Mayor, City of Campbell, 67-68. U.S.A., 41-46, Maj. Int. Studies Asn. Latin American affairs, especially Brazilian. Address: Dept. of Political Science, San Jose State College, San Jose, Calif. 95114.
- ROGERS, DR. EDWARD S(AUNDERS), Pub. Health, see 11th ed, Phys. & Biol. Vols.
- ROGERS, PROF. EVERETT M(ITCHELL), b. Carroll, Iowa, Mar. 6, 31; m. 60. RURAL SOCIOLOGY. B.S. Iowa State, 52, M.S. 55, Ph.D.(sociol), 57. Instr. rural sociol, Iowa State, 54-57; asst. prof, Ohio State, 57-65; PROF. COMMUN. MICH. STATE, 65- Vis. prof, Mich. State, 59. U.S.A.F, 52-54, Res, 54-, Capt. Rural Sociol. Soc. Diffusion and adoption of farm innovations. Address: Dept. of Communication, Michigan State University, East Lansing, Mich. 48823.
- ROGERS, DR. GEORGE W(ALTER), b. Cleveland, Ohio, June 5, 25; m. 50; c. 3. COUNSELING PSYCHOLOGY. A.B. Oberlin Col, 47; Western Reserve, 47-49; M.A., Ohio State, 54, Ph.D.(counseling psychol), 59. Dormitory supvr, Tex. Tech. Col, 51-54; instr. ed. & res. hall dir, Ball State, 54-56; from teaching asst. to asst. instr, Ohio State, 56-58; from instr. to assoc. prof. ed. & psychol, Kentucky, 59-63, from acting dir. to dir. univ. counseling serv, 59-63; PSYCHOLOGIST, CINCINNATI OFF. ROHRER, HIBLER & REPGLOE, 63- U.S.N.R., 43-46. Psychol. Asn. Management selection and counseling; psychology of men at work; listening. Publ: Leary interpersonal diagnosis of freshmen nursing students, *Nursing Outlook*, 9/63. Address: 921 Oregon Trail, Cincinnati, Ohio 45215.
- ROGERS, DR. GEORGE W(ILLIAM), b. San Francisco, Calif, Apr. 15, 17; m. 42; c. 4. ECONOMICS, POLITICAL SCIENCE. B.A. California, 42, M.A., 43; Littauer fel, Harvard, 47-49, M.P.A., 48, Ph.D.(polit. econ, govt), 50. Economist, Off. Gov. Alaska, 46-47, 51, 53-56; chmn. Alaska Field Cmt, U.S. Dept. Interior, 51-53; STAFF SOC. SCIENTIST, ARCTIC INST. N.A.M., 56-; RES. PROF. ECON, ALASKA, 61-, Carnegie vis. prof, 60-61. Vis. fel, Clare Hall, Cambridge, 67-68. Consult, Territory Employ. Security Cmn, Alaska, 58; State Dept. Law, Alaska, 59, Planning Cmn, 59-60, Dept. Admin, 60; Planning Div, 60-61; U.S. Dept. Interior Burr. Reclamation & Bur. Indian Affairs, 64-68. Mem. geog. panel, Alaska earthquake cmt, Nat. Acad. Sci-Nat. Res. Coun, 64-66. Econ. Asn; Regional Sci. Asn; Geog. Soc; Arctic Inst. N.A.M. Alaska as a case study in economic and social growth and change; natural resources and regional economics; the Bering Sea as an international natural resources region. Publ: Alaska in transition, the south-east region, 60 & The future of Alaska, the economic consequences of statehood, 62, Hopkins Press; co-auth, Alaska's population and economy, 1950-1980, 2 vols, Univ. Alaska, 63. Address: 1790 Evergreen Ave, Juneau, Alaska 99801.
- ROGERS, PROF. H(ARRY) BARRETT, b. Pawpaw, Ill, June 23, 03; m. 25. ECONOMICS. B.S. Minnesota, 27; Purdue. Supvr. methods, standards & incentives, Westinghouse Elevator Co, 31-38; asst. prof. indust. eng, Purdue, 38-41, assoc. prof, 41-42; PROF. INDUST. MGT, NORTHWESTERN, 42-, CHMN. DEPT, 48-57, 63- Econ. Asn; Indust. Mgt. Soc.(past exec. v. pres; pres, 49-51); Soc. Adv. Mgt; Soc. Eng. Ed; Soc. Qual. Control; Mgt.

Asn. Job evaluation; wage incentives; work measurement and standards. Publ: Wage plans and controls. In: Production handbook. Address: Dept. of Operations Management & Industrial Relations, Northwestern University School of Business, Evanston, Ill. 60201.

ROGERS, PROF. HERBERT W(ESLEY), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 64.

ROGERS, PROF. JACK, b. Kearney, Nebr, June 6, 19; m. 51. INDUSTRIAL ECONOMICS, BUSINESS ADMINISTRATION. B.S. California, 41, M.B.A. 47; Ph.D. Mass. Inst. Tech, 53. Mech. engr. Puget Sound Naval Shipyard, 41-45; lectr. BUS. ADMIN, CALIFORNIA, BERKELEY, 50-52, asst. prof, 52-58, ASSOC. PROF, 58- Econ. Asn; Inst. Mgt. Sci. Production planning and control; operations research; automation; standardization. Publ: Automation: technology's new face; Industrial standardization. Address: 310 Barrows Hall, University of California, Berkeley, Calif. 94720.

ROGERS, DR. JAMES P(RESTON), b. Birmingham, Ala, Mar. 31, 27; m. 52; c. 3. EXPERIMENTAL PSYCHOLOGY. B.S. Alabama, 52, M.A. 53; Ph.D. (psychol), Emory, 56. Instr. psychol, Ga. State Col, 55-56; asst. prof, 56-57; res. assoc. U.S. Army Air Defense Human Res. Unit, Tex, 57-58, res. scientist, 58-61; sr. scientist, 61-67; ASSOC. PROF. PSYCHOL, EAST CAROLINA, 67- U.S.N. 44-45. AAAS; Psychol. Asn. Trouble shooting and maintenance of complex electronic equipment; human and animal learning; instructional methods. Address: Dept. of Psychology, East Carolina Univ, Greenville, N.C. 27834.

ROGERS, PROF. JOSEPH W, b. Pensacola, Fla, Oct. 13, 25; m. 53; c. 4. SOCIOLOGY. B.A. San Diego State Col, 49; M.A. Washington (Seattle), 59, Ph.D.(sociol), 65. Acting instr. SOCIOL, Washington (Seattle), 58-61; asst. prof, Washington State, 61-62; Kansas State, 62-68; PROF. & HEAD DEPT, NEW MEXICO STATE, 68- U.S.A. 43-46. Sociol. Asn; Correctional Asn. Crime, juvenile delinquency and corrections; role analysis; American circus; typology. Publ: Co-auth. The ideal parole board: views from the correctional world and the society of captives, Am. Correctional Asn. Proc, 63; Optimism and accuracy in the perception of selected parole parole prediction items, Soc. Forces, 3/68; auth. Parole prediction in three dimensions: theory, prediction, and perception, Sociol. & Soc. Res, 7/68. Address: Dept. of Sociology & Anthropology, New Mexico State University, Las Cruces, N.Mex. 88001.

ROGERS, DR. LAWRENCE S, b. New York, N.Y., July 6, 13; m. 38; c. 2. PSYCHOLOGY. B.S. Brooklyn Col, 33; M.A. Columbia, 34, Ph.D.(psychol), 40. Supvr. voc. rehab. State Dept. Ed, N.Y. 43-46; voc. counsr, Voc. Counseling Serv, Conn, 46-47; CHIEF CLIN. PSYCHOLOGIST, MENT. HYG. CLIN, VET. ADMIN. HOSP, DENVER, COLO, 47- Lectr, Denver, 48-49, 54; vis. lectr, Colorado, 49-, assoc. clin. prof, sch. med, 60- U.S.P.H.S. 45-46, Lt.(jg). Fel. Psychol. Asn; fel. Soc. Proj. Tech; Int. Coun. Psychol.(secy, 65-66). Clinical psychology; prognosis of therapy. Publ: Differences between neurotics and schizophrenics on the Wechsler-Bellevue scale & co-auth. Prediction of the results of therapy by means of Rorschach test, J. Consult. Psychol. Address: 1046 Madison St, Denver, Colo. 80206.

ROGERS, PROF. LILLIAN E, b. Las Vegas, N.Mex, Dec. 3, 06. BUSINESS ADMINISTRATION. A.B. California, 28, A.M. N.Mex. Highlands, 44; N.Y. Univ, summers, 48, 50, 52, 54, 55. Instr. high sch, 44-46; asst. prof. BUS. ADMIN, NEW MEXICO HIGHLANDS, 46-55, ASSOC. PROF, 55- Stroh grad. scholar, Delta Kappa Gamma, 54-55. Business English; office standards; shorthand transcription difficulties of bilingual students. Publ: Handbook for transcription students; Student deposits in the bank of future success; Valid standards from the local survey. Address: Dept. of Business Administration, New Mexico Highlands University, Las Vegas, N.Mex. 87701.

ROGERS, DR. LINDSAY, b. Baltimore, Md, May 23, 91. POLITICS, GOVERNMENT. Baltimore City Col, 08; A.B. Hopkins, 12, Ph.D. 15, LL.D. 48; LL.B. Maryland, 15. Adj. prof. polit. sci, Virginia, 15-18, assoc. prof, 18-21; lectr. govt, Harvard, 20-21; pub. law, Columbia, 20-21, assoc. prof. govt, 21-27, prof. pub. law, 27-29, Burgess prof, 29-59; RES. & WRITING, 60- Lectr, Amherst Col, 23-25; New Sch. Soc. Res, 28, 36; Moreland cmnr. to invest. State Dept. Labor, N.Y. 28; lectr, Page-Barbour Found, Virginia, 32; dir. Soc. Sci. Res. Coun, 36-42; vis. prof, Walgreen Found, Chicago, 39, lectr, 53; asst. dir, Int. Labor Off, 42-47; James lectr, Illinois, 55; vis. prof, Hopkins, 60. Consult, U.S. Senate Cmt. For. Rels, 52-53, 60-62. Mem. superior ed. coun, Puerto Rico, 42-64; Coun. For. Rels. Polit. Sci. Asn; Philos. Soc; Acad. Polit. Sci. United States government; modern European constitutions. Publ: The American Senate; Crisis government; The pollsters. Address: 175 Riverside Dr, New York, N.Y. 10024.

ROGERS, DR. LYLE B(ARTON), b. New Market, Iowa, Aug. 3, 10; m. 43; c. 2. COUNSELING, EDUCATIONAL PSYCHOLOGY. B.A. Dakota Wesleyan, 34; M.S. Idaho, 46; Ph.D. Columbia, 54. Teacher, high schs, Alaska, Idaho, S.Dak. & Mont, 34-42; asst. ed, Idaho, 45-46; asst. dir. student personnel, N.C. STATE, 47-57, acting dir, 57-58, DIR. COUNSELING, 58- U.S.N.R. 42-45, Lt. Psychol. Asn. Application of counseling psychology to vocational guidance; prediction of academic success of college students. Publ: Comparison of two kinds of test interpretation interviews, J. Counseling Psychol. Address: 720 Beaver Dam Rd, Raleigh, N.C. 27607.

ROGERS, DR. MILES S(AMUEL), b. Weiser, Idaho, Aug. 25, 26; m. 50; c. 4. PSYCHOLOGY. B.S. & B.A. Washington, 48; Ed. Testing Serv. fel, Princeton, 50-52, M.A. 51, Ph.D.(psychol), 52. Res. fel. psycho-acoustic lab, Harvard, 52-54; training specialist psychol, Rand Corp, 55-58; sr. human factors scientist, Syst. Develop. Corp, 58-64; design specialist, Douglas Aircraft, Santa Monica, 64-65; SR. RES. SCIENTIST, SYSTS. DEVELOP. CORP, 65- U.S.N.R. 43-46. AAAS; Psychol. Asn. Measurement and statistics; learning theory; mathematical models in psychology. Publ: A Philco 2000 program to exhibit distinguishably different permutations, Behav. Sci, 7/64; co-auth. An empirical evaluation of the effect of item overlap on factorial stability, J. Psychol, 60: 221-223 & IDEA—a conversational, heuristic program for inductive data exploration and analysis, Proc. Asn. Comput. Mach. Nat. Meeting, 67. Address: 19019 Grandee Ave, Compton, Calif. 90220.

ROGERS, PROF. OSCAR ALLAN, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

ROGERS, DR. ROBERT C(LAYTON), Psychol, see 10th ed, Soc. & Behav. Vols, deceased.

ROGERS, PROF. SPENCER L(EE), b. Topeka, Kans, Mar. 28, 05; m. 35; c. 3. ETHNOLOGY, PHYSICAL ANTHROPOLOGY. B.A. San Diego State Col, 27; M.A. Claremont Colls, 30; Ph.D.(anthrop), Southern California, 37. Curator ANTHROP, San Diego Mus, 27-29; instr, SAN DIEGO STATE COL, 30-35, asst. prof, 35-40, assoc. prof, 40-46, PROF, 46- Sci. dir, San Diego Mus. of Man. Fel. Anthropol. Asn; Asn. Phys. Anthropol. Weapon culture; aboriginal medicine and surgery. Publ: Aboriginal bow and arrow of North America and Eastern Asia; Physical type of the Paa-ko population; The physical characteristics of the aboriginal La Jolla population, San Diego Mus. of Man, 63. Address: Dept. of Anthropology, San Diego State College, San Diego, Calif. 92115.

ROGERS, PROF. WALTER BOB, b. Floydada, Tex, Mar. 17, 30; m. 51; c. 2. AGRICULTURAL ECONOMICS. B.S. Tex. Tech. Col, 51; M.S. Arizona, 53; Ph.D. Okla. State, 59. Asst. prof. AGR. ECON, New Mexico State, 54-55; asst. Okla. State, 55-57; asst. prof, Western Illinois, 57-58; assoc. prof, Tex. Tech. Col, 58-65; asst. prof, ALBERTA, 65-66, ASSOC. PROF, 66- Assoc. prof, Texas A&M, 58-66. U.S.A.F. 50-54, Sgt. Agr. Econ. Asn. Human resource development; land and production economics. Publ: The economic benefits and costs of irrigation in the eastern irrigation district of Alberta, Univ. Alberta Res. Bull. 3, 5/66; An economic analysis of the Alberta butter industry, Can. J. Agr. Econ, Vol. XVI, No. 1; A socio-economic approach to resource development, J. Econ. Planning, 2-3/68. Address: Dept. of Agricultural Economics, University of Alberta, Edmonton, Alta, Can.

ROGERS, DR. WILL CHAPEL, b. Tex, Mar. 20, 13; m. 37; c. 2. PSYCHOLOGY. A.B. Baylor, 34, M.A. 41; Ph.D.(psychol), North Carolina, 48. Asst. prof. psychol, Baylor, 41-44; CHIEF CLIN. PSYCHOLOGIST, VET. ADMIN. MENT. HYG. CLIN, 48- Lectr, Worden Sch. Soc. Serv; Our Lady of the Lake Col. Consult, Mission Rd. Found. Except. Children, San Antonio, 50-68; Mobil Chem. Co, N.Y. 55-68; N.E. Sch. Dist, San Antonio, 65-68. U.S.N. 44-46. Psychol. Asn. Clinical psychology. Publ: Group therapy with epileptics; Criteria for selection of patients for antabuse treatment. Address: 137 Woodlawn, San Antonio, Tex. 78212.

ROGERS, DEAN WILLIAM B, b. St. Petersburg, Fla, Apr. 10, 27; m. 51; c. 4. POLITICAL SCIENCE. A.B. St. Lawrence, 49; M.A. Colgate, 55; Syracuse, 54-56. Instr, Franklin Acad, N.Y. 49-53; instr. citizenship, Maxwell Sch, Syracuse, 56-58; asst. prof. POLIT. SCI, STATE UNIV. N.Y. COL. CORTLAND, 58-62, ASSOC. PROF, 62-, ASSOC. V.PRES. ACAD. AFFAIRS, 68-, chmn. dept. & dean arts & sci, 66-68. U.S.N.R. 45-, Comdr. Polit. Sci. Asn; Acad. Polit. & Soc. Sci; Acad. Polit. Sci; Am. Studies Asn. Constitutional law; supreme court justices, 1789-1968. Address: Dept. of Political Science, State University of New York College at Cortland, Cortland, N.Y. 13045.

ROGERS, PROF. WILLIAM C(ECIL), b. Manhattan, Kans, Mar. 12, 19; m. 41; c. 3. INTERNATIONAL RELATIONS. B.A. Chicago, 40, M.A. 41, Ph.D. (polit. sci), 43. Asst. to dir, Pub. Admin. Clearing House, Chicago, 43-47; res. assoc. int. admin, Virginia, 47-48; assoc. prof. polit. sci, Western Reserve, 48-49; DIR. WORLD AFFAIRS CENTER & STATE ORGN. SERV, GEN. EXTEN. DIV, MINNESOTA, MINNEAPOLIS, 49-, PROF. POLIT. SCI, 56- Lectr, Chicago, 45-47; dir. prog. info. world affairs, Minneapolis Star, 51-, leader study group, Geneva, 58; Around the World Col. Seminar, 63. Consult, grad. sch. publ. & int. affairs, Pittsburg, 58-59; White House Conf. Ed, 65. Mem. Oxford Univ. Colloquium on Int. Understanding, 66. Polit. Sci. Asn. American voluntary associations. Publ: Community education in world affairs, Univ. Minnesota Press, 56; A guide to understanding world affairs, Oceana Pub, Inc, 66. Address: 143 Orlin S.E., Minneapolis, Minn. 55414.

ROGERS, PROF. WILLIAM E(UGENE), b. Chicago, Ill, May 2, 19; m. 38; c. 3. ECONOMICS. M.A. Missouri, 47, Ph.D.(indust. rels, econ), 51. Asst. prof. econ, Ohio, 48-49; instr, Missouri, 49-51; assoc. prof. bus. mgt, Oklahoma, 51-54; v-pres, DanCu Chem. Co, Okla, 54-55; mgr. opers. plans & training, Rep. Supply Co, 55-57; PROF. BUS. MGT. & CHMN. DEPT, SAN FRANCISCO STATE COL, 58- Dir. Army Transportation Proj, grad. sch. bus, Stanford, 57-60, lectr, sch. credit & financial mgt, 59-62. Econ. Asn; Statist. Asn. Labor law; impact of automation on employment; areas of re-training potential; legal interpretation; arbitration; systems and procedure development for simplification and control. Publ: Co-auth. New concept of transportation movement & Improved movement system. Address: Dept. of Management, San Francisco State College, School of Business, 19th & Holloway, San Francisco, Calif. 94132.

ROGGE, PROF. BENJAMIN A(RNOLD), b. Trumbull, Nebr, June 18, 20; m. 42; c. 5. ECONOMICS. A.B. Hastings Col, 40; M.A. Nebraska, 46; Ph.D. (econ), Northwestern, 53. Instr. econ, Minnesota, 46-47; Northwestern, 47-49; asst. prof, WABASH COL, 49-53, assoc. prof, 53-61, prof, 61-64, DISTINGUISHED PROF. POLIT. ECON, 64-, dean, 56-61, v. prof, São Paulo, 55. U.S.A.A.F. 41-46. Econ. Asn. Location of industry; labor market economics; economic theory. Publ: Co-auth. Introduction to economics. Address: 406 S. Water, Crawfordville, Ind. 47933.

ROGGEVEEN, PROF. VINCENT J(ACOB), Civil Eng, Bus. Admin, see 11th ed, Phys. & Biol. Vols.

ROGHMANN, DR. KLAUS, b. Stettin, Germany, Nov. 4, 33; m. 60; c. 3. SOCIOLOGY. Dipl. econ, Cologne, 58, De.rer.pol, 65; Stanford, 62-63. Mkt. res. asst, Indust. Co, 59-60; surv. res. asst, inst. soc. res, Univ. Cologne, 61-62, teacher sociol. & res. assoc, inst. comp. soc. res, 63-66; ASST. PROF. SOCIOL. & RES. ASSOC. PEDIAT, ROCHESTER, 66- Soc. Psychol. Study Social Issues; Am. Sociol. Asn; German Sociol. Soc. Authoritarianism in Western Germany; comparative elite research; etiological research, especially side effects of drugs; patient behavior in medical sociology. Publ:

- Dogmatismus und Autoritarismus, Anton Hain Verlag, 66; Methoden der empirischen Soziologie, In: Enzyklopadie der Geisteswissenschaften Arbeitsmethoden, Oldenbourg Verlag, 67; co-auth, *Militärsoziologie*, In: Handbuch der empirischen Sozialforschung, Ferdinand Enke Verlag, 68. Address: Dept. of Sociology, University of Rochester, Rochester, N.Y. 14627.
- ROGLER, PROF. CHARLES C. b. Cottonwood Falls, Kans, Dec. 1, 96; m. 27; c. 3. SOCIOLOGY. A.B. Michigan, 22, M.A. 25; Ph.D.(sociol), Kansas, 35. Asst. prof. soc. sci, Puerto Rico, 26-35; prof. SOCIOL, 35-41; vis. prof, Iowa, 41-45, asst. prof, 45-49; assoc. prof, AKRON, 49-52, prof. & head dept, 52-65, EMER. PROF, 65- Sociol. Asn. Social theory; race relations; social institutions. Publ: Comerio, the study of a Puerto Rican town. Address: 3283 Edington Rd, Akron, Ohio 44313.
- ROGLER, DR. LLOYD HENRY, b. San Juan, P.R. July 21, 30; m. 57; c. 2. SOCIOLOGY. A.B. Iowa, 51, M.A. 52, Ph.D. 57. Res. assoc. psychol. warfare, HumRRO, George Washington, 55; instr. SOCIOL, Iowa, 55-57; asst. prof, sch. med. & col. soc. sci, Puerto Rico, 57-58, consult, 58-60; lectr, Yale, 60-62, asst. prof, 62-64, assoc. prof, 64-68; PROF, CASE WESTERN RESERVE, 68- U.S.A. 52-54, Sgt. Sociol. Asn. Sociology of mental illnesses and underdeveloped countries; public opinion and propaganda. Publ: Co-auth, Trapped: families and schizophrenia, Wiley, 65; The Puerto Rican spiritualist as a psychiatrist, Am. J. Sociol; Class and disordered speech in the mentally ill, J. Health & Human Behav. Address: Dept. of Sociology, Case Western Reserve University, Cleveland, Ohio. 44106.
- ROGOW, PROF. ARNOLD A(USTIN), b. Harrisburg, Pa, Aug. 10, 24; m. 56; c. 2. POLITICAL SCIENCE. A.B. Wisconsin, 47; Class of 1883 fel, Princeton, 49-50, A.M. 50, Soc. Sci. Res. Coun. fel, 51-52, Ph.D.(polit. sci), 53. Instr. POLIT. SCI, Iowa, 52-54, asst. prof, 55-58; Haverford Col, 58-59; assoc. prof, Stanford, 59-64, PROF, 64-66; GRAD. CENTER, CITY UNIV. NEW YORK, 66- Center Adv. Study Behav. Sci. fel, 54-55; Guggenheim fel, 65-66; Shambaugh Mem. lectr, Univ. Iowa, 66-67. Adv. ed, Thomas Y. Crowell Co. Am. Polit. Sci. Asn. rep. div. behav. sci, Nat. Res. Coun-Nat. Acad. Sci, 63-64. U.S.A. 43-46. Polit. Sci. Asn; sci. assoc. Acad. Psychoanal. Political behavior; political theory. Publ: Relations between the labour government and British industry; James Forrestal, Macmillan, 64; co-auth, Power, corruption, and rectitude, Prentice-Hall, 64. Address: Graduate Center, City University of New York, 33 W. 42nd St, New York, N.Y. 10036.
- ROGOZINSKI, DR. JAN, Medieval & Early Mod. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- ROHDE, PROF. KERMIT J(ULIUS), b. Sioux Falls, S.Dak, May 15, 22; m. 47; c. 4. PSYCHOLOGY. B.S. Iowa State Col, 43; M.A. Nebraska, 49; Ph.D. (psychol), Northwestern, 51. Assoc. field dir. psychol, Ohio State, 50-51, field dir, 51-52, proj. dir, 52-54; intern clin. psychol, Vet. Admin, 54-55; asst. prof. PSYCHOL, North Dakota, 55-56; OREGON STATE, 56-59, assoc. prof, 59-64, PROF, 64- Lectr, Ohio State, 50-54; Fulbright lectr, Turkey & Abu, 62-63. Consult, U.S. Dept. Air Force, 50-52. Medal, distinguished guest, Turkey, 63. U.S.N.R., 44-46, Lt. Psychol. Asn; Soc. Psychol. Study Soc. Issues. Small groups; the family; studies of influence; conflict resolution; personality theory. Publ: Individual executive ability as a factor in the performance of small groups; Variations in group composition with respect to individual task ability as a factor in group behavior; Theoretical and experimental analysis of leadership ability. Address: Dept. of Psychology, Oregon State University, Corvallis, Ore. 97331.
- ROHDY, DR. DONALD DAVID, b. Farmington, Iowa, Apr. 10, 34; m. 56; c. 3. ECONOMICS. B.S. Iowa State, 56, Ph.D.(econ), 63. Cattle buyer, John Morrell & Co, 56-59; agr. economist, U.S. Dept. Agr. & N.C. State Univ, 61-63; mgr. commodity anal, Hunt Foods & Indus, Inc, 63-66; ASSOC. PROF. ECON, COLORADO STATE, 66-, ACTING CHMN. DEPT, 67- U.S.A. 53-55. Econ. Asn; Agr. Econ. Asn. Regional and agricultural economics. Publ: Co-auth, Interregional competition research methods, N.C. State Univ, 66; auth, Southeast hog-pork industry: a national market competitor, Bull. 89, 1/64 & co-auth, Analysis of prices of hogs in the Southeast, Bull. 103, 4/65, South. Coop. Series. Address: Dept. of Economics, Colorado State University, Ft. Collins, Colo. 80521.
- ROHLES, DR. FREDERICK H(ENRY), JR, Exp. Psychol, see 11th ed, Phys. & Biol. Vols.
- ROHLOFF, DR. ALBERT C(HRISTIAN), b. Nashville, Ill, Feb. 23, 26; m. 50; c. 2. MATHEMATICAL STATISTICS. B.S. Antioch Col, 50; M.S. Purdue, 52, Ph.D.(math. statist), 55. Sr. res. statistician, Lever Bros. Res. Center, N.J., 54-56, OPERS. ANALYST, LEVER BROS. CO, 56- AAAS; Statist. Asn; Psychomet. Soc; Research Soc; Inst. Math. Statist; Inst. Mgt. Sci. Design and analysis of experiments; management science; marketing research. Publ: Quantitative analysis of the effectiveness of T.V. commercials, J. Mkt. Res, 8/66. Address: Lever Brothers Co, 390 Park Ave, New York, N.Y. 10022.
- ROHN, DR. ARTHUR H(ENRY), JR, b. Elmhurst, Ill, May 15, 29; m. 52; c. 3. ANTHROPOLOGY. A.B. Harvard, 51, Ph.D.(anthrop), 66; Arizona, 55-56. Archaeologist, Mesa Verde Nat. Park, Nat. Park Serv, 59-64; instr. ANTHROP, ILLINOIS, URBANA, 64-66, ASST. PROF, 66- U.S.N.R. 51-54, Lt. (jg). AAAS; Soc. Am. Archaeol. Prehistory of eastern Asia and North America, especially the Southwest, New England, and Illinois, and particularly human ecology, economic systems and reconstruction of social organization. Publ: An ecological approach to the Great Pueblo occupation of the Mesa Verde, Colo, Plateau, 63; Prehistoric soil and water conservation on Chapin Mesa, Southwestern Colorado, Am. Antiquity, 63; Postulation of socio-economic groups from archaeological evidence, Soc. Am. Archaeol. Mem. 19, 65. Address: Dept. of Anthropology, University of Illinois, Urbana, Ill. 61801.
- ROHNER, DR. RONALD P(RESTON), b. Crescent City, Calif, Apr. 17, 35; m. 57. ANTHROPOLOGY. B.S. Oregon, 58; M.A. Stanford, 60, Nat. Sci. Found. summer fells, 61, 62, 64, Ford Found. fel, 63, Ph.D.(anthrop), 64. Asst. prof. ANTHROP, CONNECTICUT, 64-67, ASSOC. PROF, 67-, res. found. grants, 65, 67, summer faculty fel, 67. Am. Philos. Soc. grants, 65, 66; Nat. Sci. Found. fel, summer 66. U.S.A. 53-55. AAAS; fel. Anthropol. Asn; Ethnol. Soc. Psychological anthropology, especially cross-cultural studies; anthropological theory, methods and history; Indians of the north-west coast of North America, especially the Kwakiutl. Publ: The people of Gifford: a contemporary Kwakiutl village, Nat. Mus. Can, 67; co-auth, The Kwakiutl, Holt, (in press); auth. & ed, The ethnography of Franz Boas, Univ. Chicago, (in press). Address: Dept. of Sociology & Anthropology, University of Connecticut, Storrs, Conn. 06268.
- ROHRBAUGH, DR. LEWIS H(ENRY), Biol, see 11th ed, Phys. & Biol. Vols.
- ROHRER, DR. JAMES WILLIAM, b. North Manchester, Ind, Jan. 28, 25; m. 49; c. 3. PSYCHOLOGY. B.A. Wisconsin, 47; M.A. Ohio State, 49, Ph.D. 52. Staff psychologist, ROHRER, HIBLER & REPLOGLE, 51-, partner, 59-64, RESIDENT PARTNER, 64- U.S.A. 43-46. AAAS; Psychol. Asn. Applied clinical psychology; individual and management development. Address: 440 Hillcrest Dr, Cincinnati, Ohio 45215.
- ROHRER, PROF. JOHN H(ARRISON), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 64.
- ROHRER, PROF. WAYNE C(URRY), b. Milwaukee, Wis, Dec. 30, 20; m. 47; c. 4. SOCIOLOGY. B.S. Agr. & Mech. Col. Tex, 46, M.S. 48; Ph.D.(sociol), Mich. State, 55. Asst. prof. res. in sociol, Maryland, 52-59, assoc. prof, 59; PROF. SOCIOL, KANSAS STATE, 59- Consult, State Library, Md, 55-56. U.S.A.A.F. 42-46. Sociol. Asn. Social organization; social change; community studies. Publ: Co-auth, Dualism and change: the agrarian transition in America, Bobbs, 68 & American sociological regional societies, Sociol. Inquiry, 65. Address: Dept. of Sociology, Kansas State University, Manhattan, Kans. 66502.
- ROHRICH, DR. GEORGE F(RIEDRICH), b. Vienna, Austria, Jan. 6, 14; nat; m. 46; c. 3. ECONOMICS, GOVERNMENT. Dr. Jur, Vienna, 37; refugee scholar, Harvard, 39-41, Ph.D.(polit. econ. & govt), 43; fel, Brookings Inst, 41-42. Instr. econ. & govt, Sweet Briar Col, 42-45; from consult. to anal. analyst, Off. Strategic Serv. & U.S. Dept. State, 44-47; chief econ. anal. br. soc. security div, pub. health & welfare sect, Supreme Comdr. Allied Powers, Japan, 47-50; disability res. br. bur. old age & survivors ins, Dept. Health, Ed. & Welfare, 50-53; div. actuarial & financial serv, bur. employ. security, U.S. Dept. Labor, 53-59, div. prog. & legis, 57-58; prin. mem. soc. security div, Int. Labour Off, 59-64; vis. prof. soc. policy & econ. soc. serv. admin, Chicago, 64-67; PROF. POLIT. ECON. & SOC. INS, SCH. BUS. ADMIN, TEMPLE, 67- Lectr, grad. sch. labor law & soc. security, Univ. Trieste & gen. reporter, Int. Cong. Int. Soc. Labor Law & Soc. Legis, Stockholm, Sweden, 66. Sr. staff mem, President's Cmn. Vet. Pensions, 55-56. Econ. Asn; Indust. Reels. Res. Asn. Social security and economic development; social economics. Publ: Veterans non-service connected pensions, U.S. Govt. Printing Off, 56; co-auth, Towards freedom from want, Harper, 68; auth, Benefits in the case of industrial accidents and occupational diseases, Int. Labour Conf. Report, Geneva, Switz, 62. Address: Dept. of Economics, Temple University School of Business Administration, Philadelphia, Pa. 19122.
- ROHRMAN, DR. NICHOLAS LEROY, b. Indianapolis, Ind, Apr. 25, 37; m. 59; c. 1. PSYCHOLOGY. A.B. Butler, 59; M.A. Miami (Ohio), 64; Ph.D.(psychol), Indiana, 67. ASST. PROF, BUCKNELL, 67- Nat. Sci. Found. grant, 68. U.S.A.F. 59-62, 1st Lt. AAAS. Psycholinguistics, principally the role of syntactic structure in the memory process. Publ: Co-auth, Effect of presentation rate recall condition and retention interval on short term memory, Psychol. Report, 65 & Forwarning, meaning and semantic decision latency, Psychonomic Sci, 67; auth, The role of syntactic structure in the recall of English nominalizations, J. Verbal Learning & Verbal Behav, (in press). Address: Dept. of Psychology, Bucknell University, Lewisburg, Pa. 17837.
- ROKEACH, PROF. MILTON, b. Poland, Dec. 27, 18; nat; m. 42; c. 3. PSYCHOLOGY. B.A. Brooklyn Col, 41; M.A. California, 41, Ph.D. 47. Asst. prof. PSYCHOL, MICH. STATE, 47-51, assoc. prof, 51-57, PROF, 57- Soc. Sci. Res. Coun. faculty res. fel, 51-54, 60; hon. res. assoc. Univ. Col. London, 53-54; fel Center Adv. Study Behav. Sci, 61-62. U.S.A.A.F. 42-45. Fel. AAAS; Soc. Psychol. Study Soc. Issues (pres, 66-67); Psychol. Asn. Social psychology; thinking; beliefs, attitudes and values. Publ: Open and closed mind, Basic Books, 60; The three Christs of Ypsilanti, Knopf, 64; Beliefs, attitudes, and values, Jossey-Bass, 68. Address: Dept. of Psychology, Michigan State University, East Lansing, Mich. 48823.
- ROLAND, PROF. EMILE FELIX, b. Brussels, Belgium, July 19, 22; m. 46; c. 6. HUMAN RELATIONS. B.A. St. Peter Col, Belgium, 39; Dr. Law, Louvain, 44. Asst. prof. human rels, Laval, 53-56; dir. & mgr, Chamber Commerce for Belgium, Luxembourg in Montreal, 56-58; assoc. prof. LABOR RELS, LAVAL, 58-63, TITULAR PROF, 63-, HEAD DEPT. BUS. ADMIN, 58- Redactor, Royal Cmn. Constitutional Probs, Que, 56-57. Consult. prof, Superior Inst. Bus. Mgt, Italy, 58. Inst. Pub. Admin. Can. Business policy and administration. Address: Faculty of Administration Sciences, Laval University, Quebec 10, Que, Can.
- ROLDAN, DR. ALFREDO, b. Guaranda, Ecuador, Oct. 1, 18; m. 52; c. 2. ECONOMICS. M.A. Minnesota, 60, Ford Found. fel, 62-63, Ph.D.(econ), 66. Prof. econ. growth, Cent. Univ. Ecuador, 63-65; econ. theory, Center Regional Training Econ. Develop, Ceará, 65-67; ASSOC. PROF. LATIN AM. ECON. & STATISTICIAN, BUR. BUS. RES, NEBRASKA, 67- Adv. Minister Econ. Develop, Ecuador, 63-64. Mem. Ecuadorian Del. Interam. Soc. & Econ. Coun, 64. Economet. Soc; Econ. Asn. Latin American economic integration: benefits and obstacles; quantitative approach to economics of education. Address: Dept. of Economics, University of Nebraska, Lincoln, Nebr. 68508.
- ROLFE, DR. SIDNEY E, b. Gary, Ind, June 20, 21; m. 60. ECONOMICS. B.A. Chicago, 43, Soc. Sci. Res. Coun. fel, 49-50, Ph.D.(econ), 62. Instr. econ, Princeton, 48-51; with Econ. Stabilization Admin, 51-52; res. assoc. Co-

lumbia, 52-53; economist, C.I.T. Financial Corp, 53-59; PRES. CHARLES DEVELOP. CORP, 60-; PROF. FINANCE, LONG ISLAND, 67- Lectr, Columbia, 54-59; dean bus. affairs, City Univ. New York, 61-63; vis. prof. New Sch. Soc. Res, 67. Pres. & chmn, Agora Develop. Corp, 59-66. Consult, U.S. Dept. Labor & Econ. Stabilization Admin, 51; Stanford Res. Assoc., 60; Atlantic Inst. & Bus. Indust. Adv. Cmt-Orgn. European Coop. & Develop, 66-; Int. Chamber Commerce, 67-; various corp, 67- Dir, Cannes Conf. Capital Mkt, 66-67; Rome Conf. Mgt. Tech, 67-68; exec. secy, Cmt. Atlantic Econ. Coop, 67- Fel, Am. Coun. Learned Soc., U.S.A., 42-46, 1st Lt. Am. Econ. Assn; Nat. Assn. Bus. Econ. (treas, 62). International financial relations, including balance of payments, monetary arrangements, capital markets, technology and trans-national corporate development; domestic economic and financial problems. Publ: Co-auth, A critical survey of plans for international monetary reform, C.J. Devine Inst, N.Y. Univ, 65; auth, Gold and world power, Harper & Macmillan, 66; Capital markets in Atlantic economic relationships, Atlantic Inst, Paris, 67. Address: 880 United Nations Plaza, New York, N.Y. 10017.

ROLINGSON, DR. MARTHA ANN, b. Wichita, Kans, Nov. 6. 35. ANTHROPOLOGY. B.A. Denver, 57; M.A. Kentucky, 60; fel, Michigan, 63-65, Nat. Sci. Found. fel, summer 65, Ph.D. (anthrop), 67. Teacher, pub. schs, Minn, 57-58; curator, mus. anthrop, KENTUCKY, 60-61, res. assoc, 61-63, instr. ANTHROP, 65-67, ASST. PROF, 67- Acting dir. mus. anthrop, Univ. Kentucky, 67-; dir, River Basin Salvage Archaeol. Prog, 67- AAAS; Anthropol. Assn; Soc. Am. Archaeol; Ethnol. Soc. Archaeology of the eastern United States; North American ethnology. Publ: Paleo-Indian culture in Kentucky, 64 & co-auth, Late Paleo-Indian and early archaic manifestations in western Kentucky, 66, Univ. Kentucky. Address: Dept. of Anthropology, University of Kentucky, Lexington, Ky. 40506.

ROLLAND, DR. SIEGFRIED B, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

ROLLE, PROF. ANDREW F(RANK), Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

ROLLER, PROF. DUANE H(ENRY) D(uBOSE), Hist. of Sci, see 11th ed, Phys. & Biol. Vols.

ROLLIN, PROF. A(LBERT) ROBERT, b. Hayward, Calif, July 8, 20; m. 48. PSYCHOLOGY. Ph.D. (psychol), California, 52. Instr. PSYCHOL, CONNECTICUT, 52-60, from asst. prof. to PROF, 60- U.S.A.A.F, 40-45. Comparative and physiological studies of basic behavioral processes. Publ: Mass action effects in learning, J. Psychol. Address: R.R. 1, Box 314C, Storrs, Conn. 06268.

ROLLIN, DR. WALTER JEROME, b. New York, N.Y., Nov. 27, 32; m. 60; c. 2. SPEECH PATHOLOGY, CLINICAL PSYCHOLOGY. B.A. Queens Col. (N.Y.), 54; M.S. Pittsburgh, 58; Ph.D. (speech path, clin. psychol), Wayne State, 62. Dir. speech & hearing clin, Chico State Col, 62-67; ASSOC. PROF. SPEECH PATH, SAN FRANCISCO STATE COL, 67- Consult. speech pathologist, Children's Hosp, Detroit, Mich, 59-62; Modoc County Schs, Calif, 64-66; Am. Cancer Soc, Butte County, 65-67, Dept. Voc. Rehab. 66-67. Clara B. Stoddard award speech correction, Wayne State, 62. U.S.A., 54-56. Speech & Hearing Assn. Esophageal speech; spectrographic analysis of infant vocal cries; behavioral modifications in aphasia; audiology, especially standards for absolute zero. Publ: Oral responses of aphasics under different syntactical conditions, Lang. & Speech, 7-9/64. Address: Communication Disorders Clinic, 1600 Holloway, San Francisco State College, San Francisco, Calif. 94132.

ROLLINS, DEAN ALFRED B(ROOKS), JR, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

ROLLINS, DR. GLENN R(ICHARD), b. Honolulu, Hawaii, Aug. 29, 30. SOCIAL PSYCHOLOGY, SOCIOLOGY. B.A. Southern California, 52, M.A. 54, Ph.D. 61. Instr. SOCIOL, PEPPERDINE COL, 63, asst. prof, 63-68, ASSOC. PROF, 68- Fel. Sociol. Assn. Criminology; personality; social psychological dimensions of race and ethnic relations. Address: Dept. of Sociology, George Pepperdine College, S. Vermont Ave. at 79th St, Los Angeles, Calif. 90044.

ROLLINS, DR. JACK B(REVARD), b. Savannah, Ga, Mar. 8, 35; m. 61; c. 3. PSYCHOLOGY. B.S. Georgia, 61, M.S. 64, Ph.D. (ionizing radiation), 66. Res. analyst PSYCHOL, Am. Tel. & Tel. Co, 65-66; asst. prof, STETSON, 66-67, CHMN. DEPT, 67- Res. contract award, Off. Naval Res, 67- U.S.A.F, 54-56. AAAS; Psychol. Assn. Behavioral effects of ionizing radiation; voluntary consumption of alcohol in lower animals; personnel selection. Publ: Co-auth, An investigation of drive summation in a water runway, Psychonomic Sci, 65, Effect of various degrees of stomach loading on the sucking response in puppies, Psychol. Reports, 65 & The effect of satiation on the value of the conditioned salivary response, Acta Biol. Exp. Warsaw, 66. Address: Dept. of Psychology, Stetson University, DeLand, Fla. 32720.

ROLLINS, PROF. MABEL A(LICE), b. London, Eng, May 19, 09; U.S. citizen. FAMILY ECONOMICS. B.S. Cornell, 32, Ph.D. (family econ, home mgt), 40. Partner, John G. Rollins & Sons, 40; asst. prof. ECON. OF HOUSEHOLD & HOUSEHOLD MGT, STATE UNIV. N.Y. COL. HOME ECON, CORNELL, 42-45, assoc. prof, 45-50, PROF, 51-, HEAD DEPT, 52- AAAS; Econ. Assn; Statist. Assn; Home Econ. Assn. Family financial management and economics; home management. Publ: Relative cost of nutrients in a serving of food, Cornell Agr. Exp. Sta. Bull; co-auth, Index numbers of the cost of goods and services bought by farm families in New York, 1920-1935, Cornell Agr. Exp. Sta. Mem. & Classification systems: household expenditures data and household accounts, Cornell Univ. Exp. Sta. Bull. 1014, 1967. Address: Dept. of Household Economics & Management, State University of New York College of Home Economics, Cornell University, Ithaca, N.Y. 14850.

ROLLINS, DR. PATRICK JOSEPH, Russian Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

ROLLIT, DR. JOHN BUCHANAN, Econ, see 10th ed, Soc. & Behav. Vols, deceased 66.

ROLPH, PROF. EARL R(OBERT), b. Milwaukee, Wis, May 23, 10; m; c. 2. ECONOMICS. B.S. Col. Wooster, 31; M.A. Princeton, 32; Harvard, Ph.D. (econ), Cornell, 36. Instr, Colgate, 36-37; from instr. to asst. prof, CALIFORNIA, BERKELEY, 37-42, from asst. prof. to assoc. prof, 45-49, 50-52, from assoc. prof. to PROF. ECON, 53- Price economist, Off. Price Admin, 42-45; tax economist, U.S. Treas. Dept, 50, consult, tax adv. staff, 50-53; res. assoc, Nat. Bur. Econ. Res, 52-53; Guggenheim fel, 55-56. Econ. Assn. Tax, economic and fiscal theory; money and finance. Publ: Theory of fiscal economics; co-auth, Public finance, Ronald, 62; Discounted marginal productivity doctrine. Address: 250 Barrows Hall, University of California, Berkeley, Calif. 94720.

ROMAN, DR. C(OSTIC), b. Iselin, Pa, Aug. 8, 22; m. 47; c. 2. MANAGEMENT. B.S. Pa. State Teachers Col, Indiana, 46; M.A. Columbia, 48; D.B.A. (mgt), Indiana, 58. Asst. prof. mgt. & asst. to dean, Georgia, 48-55; prof. mgt, Col. William & Mary, 55-56; PROF. MGT. & CHAIR, OKLA. STATE, 56- Indiana Univ. vis. prof. & chief of party, Dacca, 67- Consult, Humble Oil Co; Standard Oil Co, N.J.; Manned Spacecraft Center, NASA, Tex. Adj. Gen.C, U.S.A., 43-46, S/Sgt. Acad. Mgt. Organization theory and industrial behavior; industrial training. Address: Dept. of Business Administration, Oklahoma State University, Stillwater, Okla. 74075.

ROMAN, PROF. DANIEL DAVID, b. Chicago, Ill, Nov. 9, 21; m. 48; c. 2. ECONOMICS. B.S. Southern California, 49, Univ. fel, 51-54, M.A. 54, Ph.D. 58; Found. Econ. Ed. fel, Walker Mfg. Co, Wis, 51. Mgr. master planning, Marquardt Aircraft, Calif, 54-59; prof. mgt. San Fernando Valley State Col, 57-62; res. & develop. mgt, Fla. State, 62-67; PROF. MGT. & CHMN. DOCTORAL CMT, GEORGE WASHINGTON, 67- Ford res. grant. Consult, various univs, assns, indus., & govt. agencies. Mem. acad. adv. cmt, Nat. Inst. Govt. Purchasing; Ford faculty workshop, Carnegie Inst. Tech. Ed, Controls & Planning Assn. J, 61-62. U.S.N.R., 42-46. Econ. Assn; Acad. Mgt. Management and administration; finance and labor relations; management planning and control. Publ: R&D management: the economics and administration of technology, Appleton, 68; Evolution of the scrap industry; Relationship between industrial and legal jurisprudence. Address: School of Government & Business, George Washington University, Washington, D.C. 20006.

ROMANI, DR. JOHN H(ENRY), b. Milan, Italy, Mar. 6, 25; U.S. citizen; m. 54; c. 2. POLITICAL SCIENCE. B.A. & M.A. New Hampshire, 49; fel, Michigan, 51-53, Ph.D. (polit. sci), 55; fel, Philippines, 53-54. Instr. polit. sci, Michigan, 54-55; res. fel, Brookings Inst, 55-56; asst. prof, Western Michigan, 56-57; assoc. dir, Cleveland Metrop. Serv. Cmn, 57-59; assoc. prof, grad. sch. pub. & int. affairs, Pittsburgh, 59-61; assoc. prof. PUB. HEALTH ADMIN, MICHIGAN, 61-65, PROF, 65-, RES. ASSOC. INST. PUB. ADMIN, 61-, ASSOC. DEAN SCH. PUB. HEALTH, 66-, asst. dean, 62-66. Consult, President's Cmn. Ed. Beyond High Sch, 56; Carnegie Corp. prog, governance cols. & univs, 56-57; Cleveland Bur. Govt. Res, 59; conf. prog. pub. affairs, Brookings Inst, 60; pub. admin, Ford Found, New York. Mem, task force orgn. community serv, Nat. Cmn. Community Health Serv, Bethesda, Md; staff dir, secy's adv. cmt. orgn. health activities, Dept. Health, Ed. & Welfare. U.S.A., 43-46, Sgt. Polit. Sci. Assn; Soc. Pub. Admin; Acad. Polit. & Soc. Sci; Assn. Mgt. Pub. Health (v-pres). Public Administration; metropolitan affairs; public health policy. Publ: The Philippine presidency, Manila: Inst. Pub. Admin, 56; Post-entry training in the local public service, Chicago: ICMA, 63; Observations on the role of public administration in health and family planning administration in India, New Delhi: Ford Found, 65. Address: 3520 School of Public Health, University of Michigan, 109 Observatory St, Ann Arbor, Mich. 48104.

ROMANIUK, DR. ANATOLE, b. Ukraine, Feb. 28, 24; m. 61. ECONOMICS. M.A. Louvain, 51 & 52, Dr. (econ), 67; Princeton, 61-62. Chief res. DEMOG, Congo Govt, 53-60; res. assoc. Univ. Lovanium, Leopoldville, 60-61; Princeton, 62-64; ASSOC. PROF, OTTAWA, 64- Pop. Coun. fel, 61-62; Can. Coun. res. grants, 64-68. Mem. cmt. pop. proj, Fed. Govt. Can, 67. Int. Union Sci. Study Pop; Pop. Assn; fel. African Study Assn. African demography, especially study of human fertility. Publ: La fécondité des populations Congolaises, Mouton, 67; co-auth, The demography of Tropical Africa, Princeton, 68; auth, Infertility in Tropical Africa, In: The population of Tropical Africa, 68. Address: Dept. of Sociology, University of Ottawa, Ottawa 2, Ont, Can.

ROMANO, DR. JOHN, Psychiat, see 11th ed, Phys. & Biol. Vols.

ROMANS, DR. J(OHN) THOMAS, b. Yonkers, N.Y., Dec. 26, 33; m. 59; c. 1. ECONOMICS. B.S. Cornell, 55; M.S. Tennessee, 57; Ph.D. (econ), Brown, 63. Lectr. ECON, STATE UNIV. N.Y. BUFFALO, 60-63, asst. prof, 63-67, ASSOC. PROF, 67- Consult, regional econ. div, U.S. Dept. Commerce, 65-; N.Y. State Bankers Assn, 67- Econ. Assn. Regional economics; public finance. Publ: Capital exports and growth among United States regions, Wesleyan, 65. Address: Dept. of Economics, State University of New York at Buffalo, Buffalo, N.Y. 14214.

ROMANYSHYN, PROF. JOHN MIKE, b. Yonkers, N.Y., Feb. 15, 20; m. 45; c. 4. SOCIOLOGY. B.A. Oklahoma, 42; Columbia, 45-46; M.A. Chicago, 50. Instr. sociol, Maine, 46-50; caseworker, Family Serv. Phila, 52-53; asst. prof. sociol, Maine, Orono, 53-55, assoc. prof, 55-61, prof, 61-67, MARGARET PAYSON PROF. SOC. WELFARE, MAINE, PORTLAND, 67- Mem. Coun. Soc. Work Ed, 61- U.S.A.A.F, 42-45, Sgt. Social and public welfare; personnel needs and social functioning of families who are recipients of public assistance. Publ: Personnel needs in state programs serving children and youth; Aid to dependent children in Maine: a study of family management; Basic social welfare course: some principles and some problems. Address: University of Maine, Portland, Maine 04103.

ROMITA, DR. JOSEPH WILLIAM, b. Bari, Italy, Jan. 11, 13; nat; m. 40; c. 2. ECONOMICS. B.A. Am. Int. Col, 36; M.B.A. Pennsylvania, 37; fel, New Sch. Soc. Res, 50-51; Ph.D. (int. econ), Madrid, 53. Asst. to export mgr, Radio

- Corp. of Am, 37-38; instr. econ. & social, Caney Jr. Col, 38-39; econ, St. John's (N.Y.), 39-42; statistician, War Shipping Admin, 42-44; int. trade economist, U.S. Chamber of Commerce, 44-48, for. int. advertising rep, 48-51; int. trade economist, U.S. Dept. State, Spain, Paraguay & P.I., 51-59; ASSOC. PROF. ECON. Rollins Col, 59-62; Florida, 62-65; EAST CAROLINA, 65- Lectr., Brooklyn Polytech. Inst, 41; American Univ, 46; city cmnr, Winter Park, 62-64. Econ. Asn. International trade economics; political science. Publ: Paraguayan Chaco; Investing in Paraguay. Address: Dept. of Economics, East Carolina University, Greenville, N.C. 27834.
- ROMMEL, PROF. ROBERT C. S. b. Philadelphia, Pa, Jan. 6, 30; m. 57; c. 1. SOCIOLOGY, ANTHROPOLOGY. A.B. Temple, 51; B.A. Pa. State, 55, M.A., 56, Ph.D. 58. Asst. prof. sociol, DREXEL INST, 58-62, ASSOC. PROF, 62-64, BEHAV. SCI, MGT. DEVELOP. LAB, 64- Consult, N.W. Bell Tel Co, Minn, 60. U.S.A., 51-53. Fel. Sociol. Asn. Industrial sociology. Publ: Personality characteristics of youthful accident repeaters. Address: Management Development Lab, Drexel Institute of Technology, Philadelphia, Pa. 19104.
- ROMMEN, PROF. HEINRICH A, Polit. Sci, see 10th ed, Soc. & Behav. Vols, deceased 67.
- ROMNEY, PROF. A(NTONE) KIMBALL, b. Rexburg, Idaho, Aug. 15, 25; m. 45; c. 5. ANTHROPOLOGY. B.A. Brigham Young, 47, M.A., 48; Ph.D. (anthrop), Harvard, 56. Instr. sociol, Purdue, 48-49; asst. prof. anthrop, Chicago, 52-56; fel, Center Adv. Study Behav. Sci, Calif, 56-57; asst. prof. anthrop, Stanford, 57-60, assoc. prof, 60-66; PROF. soc. anthrop, Harvard, 66-68; ANTHROP, CALIFORNIA, IRVINE, 68- Mem, Nat. Res. Coun, 59-65. Anthropol. Asn. Social organization; methodology. Address: Dept. of Social Sciences, University of California, Irvine, Calif. 92650.
- ROMOFF, HARVEY M(ICHAE)EL, b. Montreal, Can, June 27, 36; m. 58; c. 1. ECONOMICS, STATISTICS. B.A. McGill, 57; fel, Mass. Inst. Tech, 57-58; Can. Coun. fel, 58-60. Asst. econ, Mass. Inst. Tech, 59-60; res. economist, CAN. PAC. RWY. CO, 60-61, dir. econ. res, 61-66, ASST. MGR. DEPT. RES, 66- Sessional lectr. transportation, McGill, 64- Pres, Can. Transportation Res. Forum, 67-68. Econ. Asn; Statist. Asn; Economet. Soc; Inst. Mgt. Sci. Economic research as applied to industrial problems; economics of transportation; economic statistics; operations research. Address: Dept. of Research, Canadian Pacific Railway Co, Montreal 3, Que, Can.
- ROMOSER, DR. GEORGE K(ENNETH), b. Kingston, N.Y., Sept. 14, 29. POLITICAL SCIENCE. A.B. Rutgers, 51; Hillman fel, Chicago, 53-54, A.M., 54; Soc. Sci. Res. Coun. fel, 56-57, Ph.D. (polit. sci), 58. Lectr. govt, Indiana, 54-55; asst. polit. sci, Freiburg, 55-56; Instr, Ohio State, 57-61; asst. prof. polit. sci, New Hampshire, 61-63; from asst. prof. to assoc. prof. govt, Conn. Col, 63-67; ASSOC. PROF. POLIT. SCI, NEW HAMPSHIRE, 67- bright lectr, law faculty, Mainz, 62-63; Am. Philos. Soc. summer res. grant, 64; Am. Coun. Learned Soc. res. grant, 64-65; guest prof, Mannheim, summer, 68. Polit. Sci. Asn; Soc. Polit. & Legal Philos; Hist. Asn; Asn. Asian Studies; Int. Studies Asn. Contemporary political thought and ideologies in relation to contemporary governments; German society and politics; international relations. Publ: The politics of uncertainty: the German resistance movement, Social Res, spring 64; co-auth, Safety first: the West German election, Bull. Atomic Scientists, 12/65; Heidegger and political philosophy, Rev. Polit, 4/67. Address: Dept. of Political Science, University of New Hampshire, Durham, N.H. 03824.
- ROMOSER, DR. RICHARD C(HARLES), b. Ft. Atkinson, Wis, Aug. 8, 29; m. 52; c. 4. EDUCATIONAL PSYCHOLOGY. B.S. Milton Col, 51; M.A., Iowa, 54; M.A. Denver, 62, Ed.D. (ed. psychol), 64. Music teacher, pub. schs, Iowa, 51-52; community schs, 54-56; jr. high sch, Ill, 56-61; asst. prof. ed. & psychol, West Texas State, 64-66; PROF. PSYCHOL, CLARION STATE COL, 66- Vis. lectr, Bucknell, 67-69. Consult, Title I Eval, Elem. & Sec. Ed. Act, 66, Title III Survey, 67; Title VII-B Eval, Nat. Defense Ed. Act, 67; develop. Taylor-Johnson temperament anal. test, 64-67. U.S.N., 52. Ed. Res. Asn; Nat. Soc. Study of Ed; Nat. Coun. Measurement in Ed. Research in teacher attitudes; development of measure of personality traits; measurement of educational outcomes. Publ: Independence of the scales of the Taylor revision of the Johnson temperament analysis, Psychol. Pub, Los Angeles, 67; co-auth, Personality structures and dimensions of teacher attitudes, J. Exp. Ed, 67 & Traditional classroom attitudes, the A.C.T. and the 16 P.F., J. Ed. Res, 3/67. Address: Dept. of Psychology, Clarion State College, Clarion, Pa. 16214.
- RONAN, DR. WILLIAM J(OHN), b. Buffalo, N.Y., Nov. 8, 12; m. 39; c. 2. POLITICAL ECONOMY. A.B. Syracuse, 34; univ. scholar, Geneva Sch. Int. Studies, 33; univ. scholar, Harvard, 34-35; univ. fel, N.Y. Univ, 35-36, Penfield fel, 36-37, Ph.D. 40. Instr. govt, N.Y. Univ, 37-38, asst. prof, 40-43, assoc. prof, 46-47, prof, 47-59, exec. secy. grad. div. training in pub. serv, 38-40, asst. dir, 40, dir, 46-59, chmn. admin. cmt, inst. labor rels. & soc. security, 48-59, dean grad. sch. pub. admin. & soc. serv, 52-59; secy. to gov, State of N.Y., 59-66; CHMN, METROP. TRANSPORTATION AUTHORITY, 66- Asst. dir. personnel, off. for. relief & rehab. ops, U.S. Dept. State, 42-43; training, City Dept. Health, New York, 48; Inst. Polit, 50-; dir. studies, State Coord. Cmn, 52-; proj. mgr, N.Y. Univ- Univ. Ankara, Turkey Prog, 54-59; U.S. del, Int. Inst. Admin. Sci, 54-; dir. reorgn. of exec. br, N.Y. State Govt, 57- Consult, City Munic. Civil Serv. Cmn, New York, 40-42; State Civil Serv. Cmn, N.Y., 52-; U.S. Dept. Defense, 53-; For. Ops. Admin, 54; Int. Coop. Admin, 55- Mem, State Temporary Cmn. Coord. Activities, N.Y., 50-; chmn, Interstate Staff Cmt. on New Haven R.R., 60-; Tri-State Transportation Cmt, 61-; Spec. Cmt. Air Rights & Housing, 61; Joint Legis. Cmt. Interstate Coop, 61-; Coun. Soc. Work Ed; Coun. Int. Progress Mgt. U.S.N.R., 43-46, Lt. Soc. Pub. Admin. (v. pres, 50); For. Law Asn; Nat. Acad. Pub. Admin; Int. Inst. Admin. Sci; Nat. Munic. League. Public administration. Publ: English and American courts and the definition of war; No minimum balance checking accounts; Money power of states in international law. Address: Metropolitan Transportation Authority, 1350 Ave. of the Americas, New York, N.Y. 10019.
- RONCO, DR. PAUL G(ARDNER), b. Medford, Mass, Aug. 11, 29; m. 52; c. 2. PSYCHOLOGY. B.S. Tufts, 52; M.A., Boston, 53, Ph.D. (exp. psychol), 60. Asst. PSYCHOL, INST. PSYCHOL. RES, TUFTS, 55-57, RES. ASSOC, INST. & LECTR. COL. SPEC. STUDIES, 57-; ASST. TO DIR, INST, 58-; DIR. HUMAN ENG. INFO. & ANAL. SERV, 59-; LECTR, UNIV, 64- Ed. consult, Lawrence Mem. Hosp. Sch. Nursing, 64- U.S.A., 53-55. Psychol. Asn; Human Factors Soc; Int. Ergonomics Asn. Psychophysical scaling; kinesthetics; human factors engineering and documentation. Publ: 1940-1959 literature, Vol. I & 1960-1964 literature, Vol. II. In: Human factors engineering bibliographic series, Human Eng. Labs, Aberdeen Proving Ground, Md, 66; A bibliography and overview of human factors reference works, Human Factors, 12/63. Address: Institute for Psychological Research, Systems Bldg, Tufts University, Medford, Mass. 02155.
- RONEY, DR. JAMES G, JR, Anthropol, Med, see 11th ed, Phys. & Biol. Vols.
- RONIMOIS, PROF. H(ANS) E(RNEST), b. St. Petersburg, Russia, Mar. 12, 12. ECONOMICS. Dipl. Tartu, Russia, 33, Mag. econ, 37, Rockefeller fel, 39; Leon fel, London, 47-49, Ph.D. 49. Instr. econ. theory, Tartu, Russia, 39-41; privat-docent, Tallinn, Estonia, 41-42; res. assoc, Swedish Inst. Indust. Res, 44-46; assoc. prof. econ. & slavonic studies, BRITISH COLUMBIA, 49-66, PROF. SLAVONIC STUDIES, 66- Researcher, Geneva Res. Center, Switz, 40. Coun. Cent. Bur. Statist, Estonia, 41-; consult, Library of Cong, 51-53. Am. Acad. Polit. Sci; Can. Polit. Sci. Asn; Royal Econ. Soc. Economic theory; application of economic analysis to soviet planning; Russian foreign trade and the Baltic Sea. Address: Dept. of Slavonic Studies, University of British Columbia, Vancouver, B.C. Can.
- RONNE, CAPT. FINN, U.S.N. (RET), b. Horten, Norway, Dec. 20, 99; nat; m. 44; c. 1. GEOGRAPHY. Eng. Horten Tech. Col, Norway, 22. Draftsman & designer, Bethlehem Shipbuilding Corp, N.J., 23; mech. engr, Westinghouse Elec. Corp, Pa, 23-39; transportation engr, U.S. Dept. Interior & second in command, E. Base, U.S. Antarctic Serv. Exped, 39-41; organizer & leader, Ronne Antarctic Res. Exped, Stonington Island, Marquette Bay, & Palmer Peninsula & first Am. postmaster to Antarctic, 46-48; consult, U.S. Dept. Defense, 48-62; leader, Svalbard Exped, 62-63; first Am. tourist cruise to Palmer Peninsula area, 66. With Byrd Antarctic Exped. to Little Am, 33-35; U.S. Naval Arctic Oper. Nanook, Greenland & Can. Arctic, 46; mil. commanding officer & sci. leader, Ellsworth Sta, Weddell Sea, Int. Geophys. Year, 56-58; with Argentine Navy to Weddell Sea, 58-59; U.S. Naval flight to S. Pole, 61. Spec. congressional gold medals, 35, 43, 48 & 58; Argentine Navy decoration, 61; citation of merit, Explorers Club, 63, gold medal, 68; Kent Kane gold medal, Geograph. Soc. Phila, 66; Knighted, Royal Order St. Olav, Norway, 66; Golden Apple trophy, 67. U.S.N. 41-57, Res, 57-61, Capt; Legion of Merit, 64. Hon. mem. Polar Soc. (v. pres, 48); hon. mem. Geophys. Union. Polar problems; meteorology; cosmic-ray; solar radiation; first tidal station measurements; seismic soundings; terrestrial magnetism; atmospheric refractions; geology & geographical exploration of unknown areas in aerial-trimetrogon photography with ground control. Publ: Antarctic conquest, 50; Antarctic command, Bobbs, 61. Address: 6323 Wiscasset Rd. N.W., Washington, D.C. 20016.
- RONNING, PROF. ROYCE R(USSELL), b. Westport, S.Dak, Apr. 19, 27; m. 48; c. 3. PSYCHOLOGY. B.S. S.Dak. State Col, 49; M.A., Ohio State, 56, Ph.D. (psychol), 58. Asst. ed. psychol, Ohio State, 56-58; asst. prof. psychol, Miami (Ohio), 58-59; ed, California, 59-64; assoc. prof. State Univ. N.Y., Buffalo, 64-65; PROF. ED. PSYCHOL. & CHMN. DEPT, NEBRASKA, 65- U.S.M.C., 45-46. Psychol. Asn; Ed. Res. Asn. Cognitive process: concept formation and problem solving; teacher competence and characteristics. Publ: Co-auth, Method of estimating effectiveness of groups in a 'group' teaching situation, Ed. Psychol. Measurement; auth, Anagram solution times: a function of the 'ruleout' factor, J. Exp. Psychol, 65; co-auth, An equisection scale of interests: a preliminary report, J. Counseling Psychol, 65. Address: Dept. of Educational Psychology & Measurements, University of Nebraska, Lincoln, Nebr. 68508.
- ROOF, MICHAEL K(ITCHING), Demog, Soc. Psychol, see 10th ed, Soc. & Behav. Vols.
- ROOKE, DR. M(ABEL) LEIGH, b. Victoria, Va, Nov. 10, 19. EDUCATIONAL PSYCHOLOGY. A.B. Westhampton Col, 40; M.A., Richmond, 49; Ed.D. (ed. handicapped children), Columbia, 57. Teacher, pub. schs, Va, 40-43, asst. syst. gen. admin. & spec. ed, 50-55; area supvr. voc. counseling & rehab. State Employ. Serv, 43-48; dir. tuberc. rehab. center, Voc. Rehab. Serv, 49-50; dir. spec. ed. prog, sch. dists, Macomb County, Mich, 55-58; asst. dir. res. proj. phys. handicapped, Pittsburgh, 58-59; assoc. prof. ment. retardation, Adelphi Col, 59-61; res. assoc. ment. retardation res. proj, Teachers Col, Columbia, 61-63; ASSOC. PROF. PSYCHOL. & ADMIN, MED. COL. VA, 63- Consult, Teachers Col, Columbia, 66-; Alexander Graham Bell Asn. Deaf, D.C. 67. Psychol. Asn; Asn. Ment. Deficiency. Identification, location and diagnosis of children with physical, mental and emotional disabilities; most effective and efficient methods for providing the multi-disciplinary services needed; geriatrics and rehabilitation of geriatric patients. Publ: Co-auth, Report on study of special education in Prince George's County, Maryland, Teachers Col. Press, 66 & Report on study of educational needs of physically handicapped children in Pittsburgh, 61; co-auth, Research and educational practices with mentally deficient children, In: Methods in special education, McGraw, 67. Address: 5911 Fitzhugh Ave, Richmond, Va. 23226.
- ROONEY, PROF. JOHN J(OSEPH) III, b. Philadelphia, Pa; m. 49; c. 3. PSYCHOLOGY. B.A. La Salle Col, 46; M.A., Temple, 48, Ph.D. 56. Instr. chem. & math, LA SALLE COL, 47-48, psychol. & statist, 48-53, asst. prof. PSYCHOL, 53-58, assoc. prof, 58-65, PROF, 65-; guid. officer, 48-53, dir. counseling center, 53-59, chmn. dept. psychol, 59-65. Psychol. Asn; Personnel & Guid. Asn. Psychometry. Publ: Psychological assessment in a community of teaching sisters, Catholic Psychol. Record, 66; Defensiveness in theological students: an interpretive commentary, Ministry Studies, 67; Needed research on the psychological assessment of religious personnel, In: Assessment of candidates for the religious life: basic psychological issues and procedures, Center Appl. Res. Apostolate, 68. Address: Dept. of Psychology, La Salle College, Philadelphia, Pa. 19141.
- ROOS, PROF. DONALD E(DWARD), Sociol, see 10th ed, Soc. & Behav. Vols.

ROOS, DR. LESLIE LEON, JR, b. San Francisco, Calif, July 20, 40; m. 63; c. 1. POLITICAL SCIENCE. A.B. Stanford, 62; Nat. Sci. Found. fel, Mass. Inst. Tech. 62-63 & 64-65, Soc. Sci. Res. Coun. fel, 65-66, Ph.D.(polit. sci), 67. ASST. PROF. POLIT. BRANDEIS, 67- Nat. Insts. Health fel, 66-67; res. fel, Center Mid. East. Studies, Harvard, 68. U.S.A., 62. Publ. Co-auth. Students and politics in Turkey, Daedalus, winter 68; Secondary analysis in the developing areas, Pub. Opinion Quart, summer 67; auth. Development versus distribution—an attitudinal study of Turkish local administration, Econ. Develop. & Cultural Change, 68. Address: Dept. of Politics, Brandeis University, Waltham, Mass. 02154.

ROOS, DR. PHILIP, b. Brussels, Belgium, Jan. 24, 30; nat; m. 58; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A. & B.S. Stanford, 49; Ph.D. Texas, 54. Trainee, Vet. Admin. Hosp, Waco, Tex, 53-55; res. proj. dir. & consult, Presby. Child. Home, 58-59; chief psychologist, Timberlawn Sanitarium, 59-60; supvr. psychol. serv, Bd. for Tex. State Hosps. & Spec. Schs, 60-64; supt, Austin State Sch, 64-67; ASSOC. CMNR. MENT. RETARDATION SERV, DEPT. MENT. HYG, STATE OF N.Y., 67- Assoc. prof, Texas Christian, 57-59; lectr, Texas, 61, consult, dept. psychol, 64-66; clin. asst. prof, col. med, Baylor, 64-66; dir. community ment. retardation serv, Tex. Dept. Ment. Health & Ment. Retardation, 65-66. Consult, Salesmanship Club Boys Camp, 60. Mem. bd. dirs, Austin Eval. Center, 64-66; chmn. task force on orgn-coord, Gov. Cmt, Combat Ment. Retardation, 64-66. U.S.P.H.S. 55-57, Sr. Asst. Scientist. Psychol. Asn; Asn. Ment. Deficiency. Development of training and research programs; group and individual psychotherapy; child and developmental psychology; personality theory; behavior modification; mental retardation administration. Publ: Evaluation of psychotherapy as an adjunct to insulin-coma therapy, J. Consult. Psychol; Development of an intensive habit-training unit at Austin State School, 6/65 & Changing roles of the residential institution, 4/66, Ment. Retardation. Address: 3 Dover Dr, Delmar, N.Y. 12054.

ROOSA, DR. ROBERT VINCENT, b. Marquette, Mich, June 21, 18; m. 46; c. 2. ECONOMICS. Rhodes scholar, A.B. Michigan, 39, M.A., 40, Ph.D.(econ), 42, D.Sc.(bus. admin), 62; LL.D., Wesleyan, 63. Instr. econ, Michigan, Harvard, & Mass. Inst. Tech, 39-43; economist & div. chief. res. dept, Fed. Res. Bank of New York, 46-51, mgr, 51-53, asst. v-pres, 53-54, securities dept, 54-56, v-pres. res. dept, 56-60; under secy. monetary affairs, U.S. Dept. Treas, 61-64; PARTNER, BROWN BROS. HARRIMAN & CO, 65. Mem. Coun. For. Rels, 56; dir, Prudential Ins. Co. Am, 65-; Rye Country Day Sch, 66-; Am. Express Co, 66-; Coun. For. Rels, Inc, 66-; mem. bd. dirs, Nat. Bur. Econ. Res, 66-; bd. trustees, Rockefeller Found, 67-; dir, Anaconda Co, 67- Am. Econ. Asn; Finance Asn; Statist. Asn; Conf. Bus. Econ; Philos. Soc; Royal Econ. Soc. Federal reserve system; debt management; international monetary affairs. Publ: Monetary reform for the world economy, Harper, 65; The dollar and world liquidity, Random, 67; Federal reserve operations in the money and government securities market. Address: Brown Brothers Harriman & Co, 59 Wall St, New York, N.Y. 10005.

ROOSE, DEAN KENNETH D(AVIS), b. Argonia, Kans, Nov. 5, 19; m. 42; c. 4. ECONOMICS. B.A. Southern California, 40; M.A., Yale, 43, Ph.D.(econ), 48. Asst. prof. econ, California, 48-50; Oberlin Col, 50-52, assoc. prof, 52-56, prof, 56-61; prof. econ. & assoc. dean soc. sci, Oakland, 61-64; PROF. ECON. & DEAN COL. LIB. ARTS, PA. STATE, 64- Soc. Sci. Res. Coun. faculty fel, 52-55. Consult, Nelson Stud-Welding Co, 55-61. Chmn. adv. bd, Inst. Col. & Univ. Adminstr, 67- Econ. Asn; Economet. Soc; Finance Asn. Business cycles; money and banking. Publ: The recession and revival of 1937-38; The production ceiling and the turning point of 1920; co-auth, chap, In: Problems of interdisciplinary relationships in the social sciences, Aldene, 68. Address: 105 Sparks Bldg, University Park, Pa. 16802.

ROOT, DR. A(LFRED) R(ONALD), b. Appleton, Wis, Dec. 29, 00; m. 30. PSYCHOLOGY. A.B. Lawrence Col, 22; M.A. Chicago, 25; fel, Iowa, 27-28, Ph.D.(psychol), 28; Minnesota, 33-35. Assoc. prof. psychol, S.Dak. State Teachers Col(Aberdeen), 23-24, prof, 24-26; assoc. prof, Hamline, 28-29, prof, 29-36; mem. staff, KNOX REEVES ADVERT, INC, 37-39, dir. media & res, 39-46, v-pres, 46-58, ADVERT. & MKT. CONSULT, 59- Dipl, Am. Bd. Exam. Prfnl. Psychol. Psychol. Asn; Mkt. Asn; Statist. Asn; Inst. Mgt. Sci. Clinical psychology; personality and behavior problems; speech pathology; public attitudes and opinion. Address: 5228 Kellogg Ave. S, Minneapolis, Minn. 55424.

ROOT, DR. FRANKLIN R(USSELL), b. Hartford, Conn, Jan. 30, 23; m. 51; c. 5. ECONOMICS. B.S. Trinity Col, 46; M.B.A., Pennsylvania, 47; Ph.D. (econ), 51. Asst. prof. econ, Maryland, 50-55; lectr. MKT. & INT. BUS, PENNSYLVANIA, 55-58, ASSOC. PROF, 58- Fulbright award & prof, Copenhagen Sch. Econ. & Bus. Admin, 63-64; prof, Naval War Col, 67-68. U.S.A., 43-46. Econ. Asn; Mkt. Asn; Asn. for Ed. Int. Bus.(treas, 66-68). Marketing; international business. Publ: Co-auth, International trade and finance, Southwestern, 66; auth, Strategic planning for export marketing, Int. Textbook, 66; Foreign government constraints on U.S. business abroad, Econ. & Bus. Bull, 67. Address: Dept. of Marketing & International Business, Wharton School of Finance & Commerce, University of Pennsylvania, Philadelphia, Pa. 19104.

ROOT, PROF. ROBERT WALTER, Journalism, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

ROOTES, DR. MARY D(AVID), b. Jefferson City, Mo, Apr. 5, 25. PSYCHOLOGY. B.A. Missouri, 47; M.A. Washington (St. Louis), 48, Ph.D.(psychol), 52. Asst. prof. psychol, Newcomb Col. & asst. to counsr. women, Tulane, 52-56; assoc. ed, Sci. Res. Assocs, 56-57; staff psychologist, Vet. Admin. Hosp, Hines, Ill, 57-63; chief psychologist, Lake County Ment. Health Clin, Waukegan, 63-68; PSYCHOLOGIST, MICHAEL REESE HOSP, CHICAGO, 68- Dipl, Am. Bd. Exam. Prfnl. Psychol, 66. Psychol. Asn; Soc. Proj. Tech. & Personality Assessment. Psychological testing; psychotherapy. Address: 778 N. Green Bay Rd, Lake Forest, Ill. 60045.

ROPER, DR. ELMO, b. Hebron, Nebr, July 31, 00; m. 22; c. 2. MARKETING. Minnesota, 19-20; Edinburgh, 20-21; hon. A.M. Williams Col, 43; hon. LL.D., Louisville, 47; hon. L.H.D., North Dakota, 60. MKT. RES. CONSULT, 33-

Partner, Elmo Roper & Assocs; spec. promotion & mkt. analyst, Traub Mfg. Co, 32-34; partner, Cherington, Roper & Wood, 34-35; Cherington & Roper, 35-37; dir, Int. Res. Assocs; asst. prof, Columbia; dep. dir, Off. Strategic Servs, 42-45. Consult, U.S. Armed Forces, 42-46. Pres, Mkt. Res. Coun, 42. V.chmn. U.S. citizens cmn, NATO, 61- Woodward award, Am. Asn. Pub. Opinion Res, 59. Mkt. Asn; Econ. Asn; Statist. Asn; Acad. Polit. & Soc. Sci. Industrial research. Publ: You and Your Leaders. Address: Elmo Roper & Associates, 111 W. 50th St, New York, N.Y. 10020.

ROPER, PROF. M(ARION) WESLEY, b. Junction City, Kans, May 18, 94. SOCIOLOGY. A.B. Washington (Seattle), 22, A.M., 23; Rockefeller fel, Chicago, 27-28, Ph.D., 35. Prof. SOCIOL. & ECON. & head dept, Kans. State Teachers Col, 25-46; Tusculum Col, 46-56; E.Tenn. State Col, 56-57; MUSKINGUM COL, 57-62, EMER. PROF, 62- U.S.N., 18. Sociol. Asn. Sociological study of east Tennessee; city and the primary group. Publ: Contrib, Introduction to social science. Address: R.F.D. 2, New Concord, Ohio 43762.

RORE, DR. C(LARENCE) RUFUS, b. Radcliffe, Iowa, Nov. 17, 94. ECONOMIC. A.B. Oberlin Col, 16; A.M. Chicago, 25, Ph.D., 29; LL.D., Yankton Col, 35. Instr. acct, Chicago, 24-27, asst. prof, 27-29, assoc. prof, 29, asst. to dean sch. commerce & admin, 25-28, asst. dean, 28-29; economist & acct, Cmt. Cost Med. Care, D.C., 29-31; assoc. dir. med. serv, Julius Rosenwald Fund, 31-36; dir. cmn. hosp. serv, Am. Hosp. Asn, 37-46; exec, Hosp. Coun, Pa, 47-60; exec. dir, Hosp. Planning Asn, 60-64; SPEC. CONSULT, HEALTH & HOSP. PLANNING COUN. SOUTH. NEW YORK, 64- Medical economics; hospital finance; uniform accounting. Publ: Blue Cross hospital service plans; Physicians private offices at hospitals; Health service and urban sprawl. Address: Health & Hospital Planning Council of Southern New York, 3 E. 54th St, New York, N.Y. 10022.

ROSANDER, DR. A(RLYN) C(USTER), b. Mich, Oct. 7, 03; m. 33, 64; c. 4. MATHEMATICAL STATISTICS. B.S. Michigan, 25; M.A. Wisconsin, 28; Ph.D. Chicago, 33. Gen. Ed. Bd. res. fel, 34-35; tech. dir, State Youth Surv, Md, 35-37; chief statistician, urban study consumer purchases, U.S. Dept. Labor, 37-39; materials requirements sect. & statistician, War Prod. Bd, 40-45; chief, sampling & estimating methods sect, Internal Revenue Serv, 45-61; sect. traffic statistic, INTERSTATE COMMERCE CMN, 61-64, CHIEF SECT. MATH. & STATIST, 64- Lectr, George Washington, 46-52. Spec. award, U.S. Dept. Treas, 61. Fel. AAAS; fel. Soc. Qual. Control; Statist. Asn. Probability statistics and mathematics applied to administration; sampling, quality control and operations research; random time sampling; sample evidence including statistical aspects of legal proceedings in a regulatory agency; standards in presenting sample evidence. Publ: Elementary principles of statistics. Address: 263 Congressional Lane, Rockville, Md. 20852.

ROSEBERG, DR. CARL G(USTAF), JR, b. Oakland, Calif, Feb. 28, 23; m. 54. POLITICAL SCIENCE. B.S.F.S. Georgetown, 48, M.S.F.S., 50; D.Phil.(polit. sci), Oxford, 54. Asst. prof. govt. & res. assoc, African Studies Prog, Boston, 55-58; asst. prof. POLIT. SCI. CALIFORNIA, BERKELEY, 58-63, assoc. prof, 63-67, PROF, 67-, v.chmn. dept, 65-67. Ford fel, 54-55; prof. & head dept, Univ. Col. Dar es Salaam, 67-69. Consult, Rand Corp, 64-67. Mem. nat. African screening cmt, for. area training fel. prog, Ford Found, 56-58, African studies in the U.S., 58; mem. adv. coun. African affairs, U.S. Dept. State, 62- U.S.A.A.F., 43-45, Lt. Polit. Sci. Asn; African Studies Asn; Royal African Soc; Int. African Inst. Comparative government; African governments and politics; international relations. Publ: Co-auth. & ed, African socialism, Stanford, 64; co-ed, Political parties and national integration in tropical Africa, Univ. California, 64; co-auth, The myth of Mau Mau: nationalism in Kenya, Praeger, 66. Address: Dept. of Political Science, University of California, Berkeley, Calif. 94720.

ROSCOE, DR. JOHN H, b. Syracuse, N.Y., Mar. 23, 19; div; c. 3. GEOGRAPHY. B.S. Syracuse, 39, M.S., 41; fel, California, Los Angeles, 41; Ph.D. (geog), Maryland, 52. Instr, Syracuse, 39-41; airport intel. analyst, U.S. War Dept, 41-43; head geog. sect, photo intel. center, U.S. Dept. Navy, 45-46, geog. & photogram, U.S. Antarctic Expeds, 46-47, 47-48; res. admin, U.S. Navy Photo Interpretation Center, 47-50; Hq. U.S. Dept. Air Force, 50-56; sci. adv. to Adm. Byrd, Off. U.S. Antarctic Progs, 55-57; payload develop. mgr, Samos Satellite, 57-60; aerospace ground equip. mgr, missiles & space div, Lockheed Aircraft Co, Calif, 60-62; v-pres, FMA Inc, Calif, 62-64; mgr. reflector orbital equip. & adv. solar turbo-elec. conversion satellite sys, LOCKHEED MISSILE & SPACE CO, 64-65, MGR. S.E. ASIA COUNTERINSURGENCY PROGS, 65-, CHIEF S.E. ASIA FIELD UNIT FOR OFF. SECY. DEFENSE-ADV. RES. PROJS. AGENCY, LOCKHEED MISSILE & SPACE CO, 66- Instr, California, Los Angeles, 41-42; assoc. prof, Georgia, 46-47; lectr, Maryland, 53-57. U.S.M.C.R., 43-, Col. AAAS; Asn. Am. Geog; Am. Geog. Soc; Am. Soc. Photogram; Am. Polar Soc.(v-pres, 57-); fel. Am. Inst. Aeronaut. & Astronaut; Soc. Photog. Sci. & Eng; Soc. Photo-Optical Instrument Eng; Arctic Inst. N.Am; Royal Geog. Soc; Int. Geog. Union; Glaciol. Soc; N.Z. Antarctic Soc. Electro-optical equipment; polar areas; photogeography; research administration; satellite development; command and control; counter insurgency operations; operations research and analysis systems engineering. Publ: Contributions to the study of Antarctic surface features by photogeographic methods; Antarctic bibliography; Manual of photographic interpretation. Address: 970 Elsinore Court, Palo Alto, Calif. 94303.

ROSCOE, DR. STANLEY NELSON, Eng. Psychol, see 11th ed, Phys. & Biol. Vols.

ROSE, PROF. ALBERT H, b. Coldwater, Ohio, Mar. 9, 03. POLITICAL SCIENCE. B.S. Dayton, 27; A.M. Western Reserve, 42. Asst. prof. POLIT. SCI, DAYTON, 42-51, assoc. prof, 51-60, PROF, 60-, chmn. dept, 45. Pub. lectr. Mem. For. Asn-World Affairs Center. Polit. Sci. Asn; Soc. Int. Law; Soc. Pub. Admin; Acad. Polit. Sci. Ohio government; state and local government. Publ: Geography of international relations, Univ. Dayton, 66. Address: Dept. of Political Science, University of Dayton, Dayton, Ohio 45409.

ROSE, DR. ALVIN WALCOTT, b. New Haven, Mo, Feb. 14, 16; m. 52; c. 1. SOCIOLOGY. A.B. Lincoln (Mo), 38; M.A. Iowa, 42, Ph.D.(sociol), Chicago, 46. Prof. SOCIOL, Tennessee, 47-48; Flak, 48-49; N.C. Col. Durham, 49-

- 56; assoc. prof, WAYNE STATE, 56-65, PROF, 65- Ford fel, Paris, 54. Sociol. Asn; Asn. Intergroup Rel. Officials; Acad. Polit. & Soc. Sci. Race relations; social psychology. Publ: On changing social conceptions of epilepsy; Impending crises of American race relations; Prestige ranking of American occupations. Address: Dept. of Sociology, Wayne State University, Detroit, Mich. 48202.
- ROSE, PROF. ARNOLD M (ARSHALL), Soc. Psychol, see 10th ed, Soc. & Behav. Vols, deceased 68.
- ROSE, DR. DORIAN, b. San Jose, Calif, Nov. 7, 15. PSYCHOLOGY. B.A., California, Los Angeles, 37, M.A., Berkeley, 46; fel. & Ph.D. (psychol), Clark, 50. Psychologist, Worcester State Hosp, Mass, 49-57; clin. psychologist, Porterville State Hosp, Calif, 57-63; STAFF PSYCHOLOGIST, ATASCADERO STATE HOSP, 63- Consult, Tulare-Kings Hosp, Springville, 60-63. W.A.C., 44-46. Psychol. Asn. Psychological testing; perceptual handicap; training of psychology students. Publ: Co-auth, Socio-psychiatric backgrounds and treatment of some psychotic women, Psychiat. Quart; Group play therapy with psychotic adolescent girls, Int. J. Group Psychother; Some problems in perceptual handicap of mentally retarded children, J. Genetic Psychol, 64. Address: P.O. Box 672, Grover City, Calif. 93433.
- ROSE, PROF. EDWARD, b. Pueblo, Colo, June 3, 09. SOCIOLOGY. A.B., California, 31, res. fel, 34-35, A.M., 35; Frankfurt, 31-32; Ph.D., Stanford, 42. Asst. psychol, California, 32-33; from asst. to instr. SOCIOL, Stanford, 35-38; from asst. prof. to PROF, COLORADO, 45- Lectr, California, 50-Sociol. Asn. Socio-linguistics; ethno-methodology. Address: Dept. of Sociology, University of Colorado, Boulder, Colo. 80302.
- ROSE, DR. HARRIETT ABRAHAM, b. Shelbyville, Ky, Sept. 13, 20; m. 43; c. 2. COUNSELING PSYCHOLOGY. B.S. Kentucky, 41, M.A., 62, Ph.D. (psychol), 64. Counsr, counseling center, UNIV. KENTUCKY, 62-64, assoc. dir, 64-65, DIR. UNIV. COUNSELING & TESTING CENTER, 65- Psychol. Asn; Personnel & Guid. Asn. Personality factors of college students as related to emotional growth, vocational choice. Publ: Prediction and prevention of freshman attrition, 65 & co-auth, Significance of personality in the vocational choice of college women, 67, J. Counsel. Psychol; co-auth, Within-university transfer: relation to personality, J. Appl. Psychol, 66. Address: University Counseling & Testing Center, University of Kentucky, Lexington, Ky. 40506.
- ROSE, PROF. HUGH, b. London, Eng, July 20, 20. ECONOMICS. M.A., Oxford, 67. Lectr. ECON, Rhodes, S. Africa, 47-50, 52-53; Exeter, 54-60; vis. assoc. prof, Northwestern, 60-61; assoc. prof, Rochester, 61-63; Toronto, 63-65; PROF, ROCHESTER, 65- Brit. Army, 40-45, Capt. Econ. Asn; Economet. Soc. Economic theory, especially macroeconomics, monetary theory and theory of growth fluctuations. Publ: Liquidity preference and loanable funds, 2/57 & On the non-linear theory of the employment cycle, 4/67, Rev. Econ. Studies; Unemployment in a theory of growth, Int. Econ. Rev, 9/66. Address: Dept. of Economics, University of Rochester, Rochester, N.Y. 14627.
- ROSE, DR. JERRY D (ON), b. Norman, Okla, July 20, 33; m. 65. SOCIOLOGY. B.S. & Ed.M., Oklahoma, 54; Ph.D. (sociol), Wisconsin, 66. Asst. prof. SOCIOL, Southwest State Col. (Okla), 58-61; N.Y. Univ, 64-67; ASSOC. PROF, STATE UNIV. N.Y. COL. FREDONIA, 67- Vis. scholar & consult. sociol. dept, Va. State Col. (Norfolk), 66-67, Consult, Manpower Res. Inst, 67-68. U.S.A., 55-57, 1st Lt. Sociol. Asn. The self in social interaction; classic and contemporary sociological theory. Publ: The lonely crowd: a critical commentary, 65 & The presentation of self in everyday life: a critical commentary, 66, American RDM. Address: Dept. of Sociology, State University of New York College at Fredonia, Fredonia, N.Y. 14063.
- ROSE, DR. JOHN KERR, b. Boynton Twp, Ill, Sept. 25, 05; m. 34; c. 6. GEOGRAPHY. A.B., Indiana, 28, A.M., 31; Wisconsin, 29, 30; Clark, 32; Ph.D. (geog), Chicago, 35; J.D., George Washington, 45. Soc. Sci. Res. fel, Chicago, 35-36; asst. res. technician & assoc. res. technician, Rural Electrification Admin, 36, assoc. econ. analyst, 38-41, sr. econ. analyst & head econ. anal. sect, 41-42; prin. analyst & acting chief resources develop. sect, Off. Econ. Warfare, 42-43; head economist & chief resources div, For. Econ. Admin, 43-45; U.S. Dept. Commerce, 45-46; geogr. LEGIS. REFERENCE SERV, LIBRARY CONG, 46-55, SR. SPECIALIST CONSERV, 55-; PARTNER, SPAULDING, REITER & ROSE, 51- Lectr, grad. sch, U.S. Dept. Agr, 37-41; res. assoc. George Washington, 37-41; lectr, Catholic Univ, 41; Bunce econ. mission, U.S. State Dept, Far East, 46. Consult, Nat. Resources Planning Bd, 40-41; select. cmt. for. aid, U.S. House Reps, 47-48, mem. agr. invests. staff, House Appropriations Cmt, 60-61, 63-64. Mem. U.S. Cmt. Int. Geog. Union, 65-68. AAAS; Asn. Am. Geog; fel. Am. Geog. Soc. World resources and agriculture; conservation. Publ: Survey of national policies on federal land ownership, U.S. Senate Document 56, 85th Cong, 57. Address: Library of Congress, Washington, D.C. 20540.
- ROSE, PROF. JOSEPH R, b. Russia, July 16, 99. ECONOMICS. Ph.B., Chicago, 20, J.D., 23; Harvard, 21-22; Ph.D., Pennsylvania, 38. Instr. COMMERCE, TRANSPORTATION & PUB. UTILITIES, PENNSYLVANIA, 37-39, asst. prof, 39-46, assoc. prof, 46-54, PROF, 54- Legal & econ. consult, Fed. Commun. Cmn, 66-67. Econ. Asn. Transportation and public utilities. Publ: American wartime transportation; Hope case and public utility rate regulation, Columbia Law Rev; Public utility valuation, Va. Law Rev. Address: W 283 Dietrich Hall, University of Pennsylvania, 3620 Locust St, Philadelphia, Pa. 19104.
- ROSE, DR. LA FRANCES RODGERS, b. Norfolk, Va, July 19, 36; m. 60; c. 1. SOCIOLOGY. B.A. Morgan State Col, 58; M.A. Fisk, 60; Ph.D. (sociol), Iowa, 64. Statistician, U.S. Bur. Census, 60-61; teaching asst. SOCIOL, Iowa, 61-64; ASST. PROF, ST. OLAF COL, 64- Vis. asst. prof, Minnesota, summer 65. Social psychology; testing the theory of Harry Stack Sullivan on personality development; testing changes in self conception. Publ: Some variations in the interpersonal relations of juveniles, preadolescents, and early adolescents school children, Univ. Iowa, 65. Address: Dept. of Sociology, St. Olaf College, Northfield, Minn. 55057.
- ROSE, DR. NICHOLAS, b. Portland, Ore, Feb. 10, 13; m. 40; c. 1; div; m. 61; c. 2. CLINICAL PSYCHOLOGY. Ph.D. (psychol), California, Los Angeles, 51. Proj. dir. commun. res, U.S. Air Force, D.C. 49-52; dir. res, dept. cinema, Southern California, 52-54; chief clin. psychologist, Wadsworth Vet. Admin. Hosp, 54-59; CLIN. PSYCHOLOGIST, 59-; MGT. CONSULT, 65- Asst. clin. prof, California, Los Angeles, 56-60. Assoc. Edward C. Glazer & Assoc., 59-65. Dipl. Am. Bd. Exam. Prfnl. Psychol, 64. U.S.A.A.F., 42-45, Sgt. Fel. Psychol. Asn; Soc. Proj. Tech. & Personality Assessment. Human communication; communication in psychotherapy. Publ: Psychological study of motion picture audience behavior, Am. Psychologist; Sixty years of 16MM film, a symposium; co-auth, Theory and application of pre-release testing of 16MM films, Audio-Visual Commun. Rev. Address: 921 Westwood Blvd, Los Angeles, Calif. 90024.
- ROSE, PROF. PETER I, b. Rochester, N.Y., Sept. 5, 33; m. 56; c. 1. SOCIOLOGY, ANTHROPOLOGY. A.B. Syracuse, 54; M.A. Cornell, 57, Ph.D., 59. From instr. to asst. prof. SOCIOL. & ANTHROPOL, Goucher Col, 58-60; asst. prof, SMITH COL, 60-64, assoc. prof, 64-67, PROF. & CHM. DEPT, 67- Vis. lectr. & assoc. prof, Massachusetts, 61-66, grad. prof, 67; sr. Fulbright lectr, Leicester, 64-65; vis. assoc. prof, Wesleyan, 66-67; vis. prof, Colorado, summer, 68; California, Berkeley, 68-69. Consult, Anti-Defamation League, 60-; P.R. Acad. Arts & Sci, 62; Off. Secy. of Navy, 66-; Peace Corps, 67-; U.S. Soc. & Rehab. Serv, 67- Consult. ed, Nard House & Alfred A. Knopf, Inc, 65- Fel. Sociol. Asn; fel. Soc. Appl. Anthropol; Soc. Study Social Probs. Racial and ethnic relations; citizens opinions on civil defense; political attitude of students; student values. Publ: Ed, The study of society, 67, Random & auth. & ed, The ghetto and beyond, 68, Random; auth, The subject is race, Oxford Univ, 68. Address: Dept. of Sociology & Anthropology, Smith College, Northampton, Mass. 01060.
- ROSE, DR. RICHARD JOSEPH, b. Fairmont, Minn, Mar. 19, 35; m. 56; c. 4. PSYCHOLOGY. B.A., Minnesota, 57, Nat. Inst. Ment. Health fel, 58-62, Ph.D. (psychol), 64. Res. asst. PSYCHOL, Minnesota, 57-63; Nat. Sci. Found. fel, McGill, 64-65; asst. prof, Illinois, Urbana, 65-68; ASSOC. PROF, INDIANA, 68- AAAS; Psychol. Asn. Experimental psychopathology; psychophysiology; human experimental psychology. Publ: Co-auth, Psychological prediction from actuarial tables, J. Clin. Psychol, 63; Correcting psychophysiological measures, Psychol. Bull, 66; auth, Anxiety and arousal, Psychonomic Sci, 66. Address: Dept. of Psychology, Indiana University, Bloomington, Ind. 47405.
- ROSE, DR. RICHARD MICHAEL, b. Mineola, N.Y., May 19, 38. PSYCHOLOGY. A.B., Princeton, 60; Nat. Sci. Found. fel. & Ph.D. (psychol), Pennsylvania, 64. Nat. Sci. Found. fel, inst. math. studies in soc. sci, Stanford, 64-66; ASST. PROF. PSYCHOL, WASHINGTON (SEATTLE), 66- Psychonomic Soc; Psychomet. Soc; Psychol. Asn. Mathematical psychology, particularly stochastic models for learning and their application in psychophysics; animal and human learning; psychophysical methods. Publ: Single sequence analyses of learning models, 64 & co-auth, Learning models for psychophysics, 64, Stanford; co-auth, The role of runs in probability learning, J. Exp. Psychol, 66. Address: Dept. of Psychology, University of Washington, Seattle, Wash. 98105.
- ROSEBOROUGH, DR. HOWARD E (RNEST), b. Toronto, Ont, Apr. 22, 19. SOCIOLOGY. B.A., Toronto, 42, M.A., 46; Ph.D. (sociol), Harvard, 58. Instr. econ, Toronto, 46-47; SOCIOL, Saskatchewan, 47-50; asst. prof, Union (N.Y.), 56-58; McGill, 58-63, ASSOC. PROF, 63- Can. Coun. sr. fel, 66-67. Am. Sociol. Asn; Can. Sociol. & Anthropol. Asn. Economic sociology; ethnic relations. Publ: Some sociological dimensions of consumer spending, Can. J. Econ. & Polit. Sci; co-auth, Perception of the relative economic and political advantages of ethnic groups in Canada & Ethnic differences in status, In: Canadian society, Macmillan, 68. Address: Dept. of Sociology & Anthropology, McGill University, Montreal, Que, Can.
- ROSEBROOK, PROF. WILDA M, b. Big Springs, Ohio, Aug. 18, 94. PSYCHOLOGY, EDUCATION. B.A., Ohio Wesleyan, 17; M.A., Ohio State, 26, univ. scholar, 30-31, Ph.D. (psychol), 31. Dir. psychol. serv, Mich. Home & Training Sch, 26-28; intern, Boston Psychopath. Hosp, Mass, 28-29; psychologist clin. serv, State Pub. Schs, Mich, 31-32; assoc. dir. div. ment. hyg, W.K. Kellogg Found, 32-35; assoc. prof. PSYCHOL, bur. spec. & adult ed, OHIO STATE, 35-37, prof, 57-61, EMER. PROF, 61- Psycho-ed. consult. acad. disabilities, Psychol. Clin. & Res. Center, Jacksonville, Fla, 62-66. Dipl. Am. Bd. Exam. Prfnl. Psychol. Psychol. Asn; Asn. Ment. Deficiency; Int. Coun. Psychol. Etiology and prevention of reading disability; differential diagnosis, mentally retarded and reading deficiency. Publ: Preventing reading deficiencies, Elem. Sch. J; The school nurse and reading deficiencies, Pub. Health Nursing; co-auth, Evaluation of the visual status and academic achievement of a selected group of elementary school children over a period of seven years, Am. J. Optom. Address: 113 Terrence Dr, Bellefontaine, Ohio 43311.
- ROSECRANCE, PROF. RICHARD NEWTON, b. Milwaukee, Wis, Oct. 24, 30; m. 67; c. 3. POLITICAL SCIENCE. B.A., Swarthmore Col, 52; M.A., Harvard, 54, Ph.D. (polit. sci), 57; Fulbright fel, Australian Nat. Univ, 54-56. Ford intern polit. sci, Brown, 56-57; instr, CALIFORNIA, Los Angeles, 57-58, asst. prof, 58-62, assoc. prof. polit. sci. & dir. security studies proj, 62-67, PROF. POLIT. SCI, BERKELEY, 67- Rockefeller res. fel, dept. war studies, Kings Col, Univ. London & vis. lectr, dept. int. rels, London Sch. Econ, 64-65. Consult, Rand Corp, 62- Mem. policy planning coun, U.S. Dept. State, 67- Polit. Sci. Asn; Int. Studies Asn; Inst. Strategic Studies. International relations theory; strategy and international security; quantitative analysis. Publ: Action and reaction in world politics, Little, 63; co-auth, The Dispersion of nuclear weapons, 64 & auth, Defense of the realm: British strategy in the nuclear epoch, 68, Columbia Univ. Address: Dept. of Political Science, University of California, Berkeley, Calif. 94720.
- ROSECRANS, DR. C (LARENCE) J (ACOB), JR, b. Jonesboro, Ark, Mar. 24, 27; m. 61; c. 1. CLINICAL PSYCHOLOGY. Ph.D. (psychol), Tennessee, 55. PROF. COL. GEN. STUDIES, ALABAMA, 55- ASSOC. PROF. PSYCHIAT. & DIR. PSYCHOL. SERV, MED. CENTER, 62- Consult, div. community serv, Ala. Dept. Ment. Health, 55-; Birmingham Baptist Nursing Sch, 57-59.

U.S.N. 44-45, Med. Serv. C. Res. 49-, Lt. (jg). Psychol. Asn. Mental health education; learning theory, especially reinforcement and operant conditioning as it pertains to education; detection of brain damage through psychological techniques. Publ: Co-auth. Exceptional intelligence in a mongoloid child of a family with 13-15/partial 21 (D/partial G) translocation, New Eng. J. Med. 5/65; A factor analytic study of the learning, perceptual and conceptual performance of a psychiatric outpatient population, Psychol. Reports, 8/67; auth. The relationship of normal/21-trisomy mosaicism and intellectual development, Am. J. Ment. Deficiency, 12/67. Address: Dept. of Psychiatry, Alabama Medical Center, 1919 Seventh Ave, S, Birmingham, Ala. 35233.

ROSEGGAR, DR. GERHARD, b. Bruck/Mur, Austria, July 28, 30; nat; m. 54; c. 4. ECONOMICS. Fulbright grant, Pennsylvania, 50-51, M.B.A. 54; Dr. jur. Graz, Austria, 53. Instr. econ. Col. South Jersey, Rutgers, 56-58, asst. prof. 58-62; asst. prof. ECON. CASE WESTERN RESERVE, 62-65, ASSOC. PROF. 65-, assoc. dir. econ-in-action prog. 62-67. Econ. Asn. International trade and finance; economic development, especially Central Europe and the Austrian economy; industrial economics; economics of technological change. Publ: East-West trade: the Austrian example, 1945-1958, J. Cent. European Affairs, 4/62; Austrian neutrality and European integration, Orbis, winter 64; Steel imports and vertical oligopoly power: comment, Am. Econ. Rev. 9/67. Address: Dept. of Economics, Case Western Reserve University, Cleveland, Ohio 44106.

ROSELIUS, DR. ROLAND H. b. Hebron, Nebr. Sept. 26, 24; m. 50; c. 2. EDUCATIONAL & DEVELOPMENTAL PSYCHOLOGY. A.B. Dubuque, 45; M.A. Nebraska, 49; Ph.D. (ed. psychol.) Ohio State, 57. Dean men. Tex. Lutheran Col. 49-51; asst. prof. PSYCHOL. WITTENBERG, 51-58, ASSOC. PROF. 58-U.S.N.R. 42-46. Psychol. Asn. Art aptitude tests for grade school children. Address: Dept. of Psychology, Wittenberg University, Springfield, Ohio 45501.

ROSELLE, DR. DANIEL, European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

ROSEMAN, PROF. ALVIN, b. Cleveland, Ohio, Mar. 31, 10; m. 35; c. 2. PUBLIC ADMINISTRATION, INTERNATIONAL RELATIONS. A.B. Western Reserve, 31, LL.B. 33; M.S.S. Chicago, 35. Exec. officer, U.S. Soc. Security Bd, 35-39; asst. to adminstr. U.S. Fed. Security Agency, 39-42; asst. exec. dir. U.S. War Manpower Cmn, 42-43; dep. dir. of mission, UN Relief & Rehab. Admin, 43-45; chief of div. U.S. Bur. Budget, 45-49; U.S. rep. at Geneva, U.S. Dept. State, 49-52; dep. chief of mission, U.S. Econ. Mission to Greece, 52-54; chief of bur. U.S. For. Ops. Agency, 54-57; chief of mission to Cambodia, U.S. Int. Coop. Admin, 57-59, regional dir. Far East, 59-60; asst. dir. gen. UN Ed. Sci. & Cultural Orgn, 60-63; PROF. PUB. & INT. AFFAIRS & ASSOC. DEAN, GRAD. SCH. PUB. & INT. AFFAIRS, PITTSBURGH, 63- Outstanding serv. citation, 57; distinguished career award, 59. Polit. Sci. Asn; Soc. Pub. Admin. International administration; economic and social development. Publ: Shelter care and the local homeless man, Pub. Admin. Clearing House, 35; co-auth. International aspects of professional education in business and public administration, Ed. & World Affairs, Inc, 67; auth. The U.S. economic commitment to Southeast Asia, Current Hist, 68. Address: Graduate School of Public & International Affairs, University of Pittsburgh, Pittsburgh, Pa. 15213.

ROSEMAN, DR. CYRIL, b. Philadelphia, Pa, Aug. 6, 36; m. 57; c. 2. URBAN STUDIES, POLITICAL SCIENCE. B.A. Temple, 57; fel. Pennsylvania, 61-62; Ph.D. (polit. sci.), Princeton, 63. Regional planner, Penn-Jersey Transportation Study, 60-61; instr. polit. sci. Rutgers, 61-62; asst. prof. Swarthmore Col. 62-63; ASSOC. PROF. POLIT. SCI. & DIR. URBAN STUDIES, SAN FRANCISCO STATE COL, 63-, faculty develop. res. grant, 66-67. Vis. asst. prof. Stanford, 65-66. Consult. coordination, Community Develop. Training Inst, 66-67; res. design, Off. Econ. Opportunity Legal Serv. Prog, 67; comprehensive area-wide health planning, State of Calif. 67-68; spec. planning design, Asn. Bay Area Govt. & community rels. consult, San Francisco Redevelop. Agency, 67-68. Sociol. Asn; Soc. Pub. Admin; Inst. Planners. Community power structure and decision making; social planning; regional government and politics; housing and urban renewal. Publ: Co-auth. Dimensions of political analysis, Prentice-Hall, 66; Regional planning and policy formation in the Philadelphia metropolitan area: a political analysis, Inst. Govt. Studies, Univ. California, Berkeley, 4/67. Address: Dept. of Political Science, San Francisco State College, San Francisco, Calif. 94132.

ROSEMAN, DR. MORRIS, b. Baltimore, Md, Mar. 3, 19; m. 42; c. 3. PSYCHOLOGY. B.A. Maryland, 42, fel. 42-43, M.A. 43; Ph.D. (psychol.) Duke, 49. Asst. chief clin. psychol. Vet. Admin. Hosp, Lexington, Ky, 49-51, Roanoke, Va. 51-55, chief clin. psychologist, Vet. Admin. Ment. Hyg. Clin, 55-66; ASSOC. PROF. HUMAN BEHAV. DEPT. COMMUNITY DENT, MARYLAND. 66- Lectr. Kentucky, 49-51; Morgan State Col. 56-57; McCoy Col. Hopkins, 60-66. U.S.A.A.F. 43-46, 2nd Lt. Psychol. Asn; Mkt. Asn. Objective evaluation of progress in psychotherapy; criteria in clinical psychology and psychiatry; perceptual-motor behavior and personality integration; career patterns in dentistry; consumer variables in utilization of dental service. Publ: Closure behavior and levels of personality integration, J. Personality. Address: 2419 Hunt Dr, Baltimore, Md. 21209.

ROSEMAN, PROF. M(URRAY) RICHARD, b. Green Bay, Wis, June 10, 31; m. 59; c. 2. ECONOMICS. B.S. Wisconsin, 53; M.A. Harvard, 58, Ph.D. (econ), 62. Instr. econ. Mass. Inst. Tech, 57-58; res. assoc. Harvard, 58-61; instr. Tufts, 61-62; fiscal economist, Off. Secy, U.S. Dept. Treas, 62-65; ASST. PROF. ECON, California, Santa Barbara, 65-67; IOWA, 67- Consult. staff mem, Rand Corp, 66-67. Econ. Asn. Public finance and fiscal policy; economic theory; welfare economics; urban economics. Address: Dept. of Economics, University of Iowa, Iowa City, Iowa 52240.

ROSEMONT, PROF. V(AUGHAN) GREGORY, b. Talas, Asia Minor, July 10, 87; nat; m. 23; c. 3. PSYCHOLOGY. A.B. Analolia Col, 10; M.A. Columbia, 16; M.Th. Union Theol. Sem. & Presby. Theol. Sem, 33; Ph.D. (relig. & philos), Iowa, 37; hon. D.D. Westminster Col, 18. Asst. prof. psychol. & philos, Omaha, 30-37, assoc. prof. 38-42; head dept. philos. & relig. Mo. Valley Col, 42-43; dean arts & sci, Nebr. Cent. Col, 43-45; supt. pub. sch.

syst, Nebr, 45-46; prof. psychol. & sociol. & head dept. psychol. & dir. testing & counseling serv, HURON COL, 47-63, EMER. PROF. PSYCHOL. & SOCIOL, 63- Psychol. Asn; Sociol. Asn; Coun. Measurement in Ed. Sociology; religion. Publ: Adventures of the Apostolic Church; Mystery of the village carpenter; My guest from Mars. Address: Dept. of Psychology, Huron College, Huron, S.Dak. 57350.

ROSEN, DR. ALBERT, b. McKeesport, Pa, July 20, 18; m. 42; c. 2. PSYCHOLOGY. B.A. Pittsburgh, 39; M.A. Minnesota, 48, Ph.D. (clin. psychol. neuropsychiat), 52. Clin. psychologist, Vet. Admin. Hosp, Minneapolis, Minn, 49-56; asst. prof. & dir. human rel. center, Washington State, 56-58; assoc. prof. Maryland, 58-61; prof. PSYCHOL, GALLAUDET COL, 61-65, RES. PROF. 65-, dir. off. psychol. & soc. res, 61-62, psychol. center for the deaf, 62-65. Res. consult, U.S. Dept. Army, 58-63; nursing dept, Vet. Admin. Cent. Off, 58-65. Res. expert, U.S. Peace Corps, Wash, D.C., 66-U.S.A. 44-46. Psychol. Asn. Psychology of physical disability; person perception. Publ: Detection of suicidal patients, an example of some limitations in the prediction of infrequent events, J. Consult. Psychol; Development of MMPI scales based on a reference group of psychiatric patients, Psychol. Monogr; co-auth. Antecedent probability and the efficiency of psychometric signs, patterns or cutting scores, Psychol. Bull. Address: 917 S. Belgrade Rd, Silver Spring, Md. 20902.

ROSEN, DR. ALEXANDER C(ARL), b. Los Angeles, Calif, Feb. 2, 23; m. 51; c. 2. CLINICAL PSYCHOLOGY. A.B. California, 46, Ph.D. 53. Instr. psychol. eve. sch, Vallejo Col, 51-52; psychologist, res. proj. San Francisco State Col, 52-53; staff psychologist, Contra Costa County, 53-56; asst. res. clin. psychologist & asst. clin. prof. MED. PSYCHOL. DEPT. PSYCHIAT, MED. CENTER, CALIFORNIA, LOS ANGELES, 56-59, ASST. PROF. & CHIEF PSYCHOLOGIST, NEUROPSYCHIAT. INST, 59-, LECTR, DEPT. PSYCHOL, UNIV, 60- Instr. exten. div, California, 56- Consult, bur. voc. rehab, State Dept. Ed, Calif. Assoc. Inst. Appl. Behav. Sci, Nat. Training Labs. AAAS; fel. Psychol. Asn. Perception and personality; etiology and treatment of alcoholism; community psychiatry and mental health; problems in Gender-Role identification; sensitivity training. Publ: Change in perceptual threshold as a protective function of the organism, J. Personality. Address: Dept. of Psychiatry, Neuropsychiatric Institute, University of California Medical Center, Los Angeles, Calif. 90024.

ROSEN, DR. ALEXANDER J, b. New York, N.Y, Jan. 31, 40; m. 62; c. 2. PHYSIOLOGICAL PSYCHOLOGY. B.S. Brooklyn Col, 62; Nat. Inst. Ment. Health fel. sch. med, Illinois, 65-66; Ph.D. (psychol.), Rochester, 66. ASST. PROF. PSYCHOL, ILLINOIS, CHICAGO, 66- AAAS; Psychol. Asn. Neurochemical and neurophysiological substrates of reinforcement. Publ: Incentive-shift performance as a function of magnitude and number of sucrose rewards, J. Comp. & Physiol. Psychol, 66; co-auth. The effects of amobarbital sodium on differential instrumental conditioning and subsequent extinction, Psychopharmacologia, 67 & co-auth. Effects of alpha-methyl meta tyrosine on operant performance auditory evoked potentials and post reinforcement synchronization in the cat, Physiol. & Behav, 67. Address: 520 W. Roscoe St, Chicago, Ill. 60657.

ROSEN, PROF. BERNARD C(ARL), b. Philadelphia, Pa, July 1, 22; m. 50; c. 1. SOCIOLOGY. A.B. Temple, 48; M.A. Columbia, 50; Sigmund Livingston fel. Cornell, 50-52, Ph.D. 52. Instr. Yale, 52-53; from instr. to asst. prof. SOCIOL, Connecticut, 53-61; assoc. prof. Nebraska, 61-66; PROF. CORNELL, 66- Prin. investr, Nat. Inst. Ment. Health res. grants, 57-67, spec. res. fel. 60; vis. prof. São Paulo, 61; vis. prof. & consult. Berkeley-Brazil proj, California, Berkeley, 64. Consult, Agency Int. Develop, 64. U.S.A. 44-46. Fel. Sociol. Asn; Soc. Res. Child Develop; fel. Asn. Latin Am. Studies. Personality and social structure; socialization and family structure; personality and economic development. Publ: Adolescence and religion, 65 & co-auth. Achievement in American society, 68, Schenkman; auth. Family structure and achievement motivation, Am. Sociol. Rev. Address: Dept. of Sociology, McGraw Hall, Cornell University, Ithaca, N.Y. 14850.

ROSEN, PROF. EPHRAIM, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 63.

ROSEN, DR. ESTHER KATZ, b. Baltimore, Md, Jan. 8, 96; m. 24. PSYCHOLOGY. A.B. Goucher Col, 16; A.M. Columbia, 17, Ph.D. (psychol.), 25. Psychologist, All-Phila. Child Guid. Clin, 25-27; CONSULT. PSYCHOLOGIST, 27- Clin. psychologist, grad. host, Pennsylvania, 27-33. Secy-treas, Inst. Res. Human Rel. Dipl. Am. Bd. Exam. Prinl. Psychol. Fel. AAAS; fel. Psychol. Asn; Soc. Proj. Tech; Orthopsychiat. Asn; Int. Coun. Psychol. Psychological and educational measurement; comparison of the intellectual and educational status of neurotic and normal children in public schools; consulting psychology. Address: 1810 Rittenhouse Square, Philadelphia, Pa. 19103.

ROSEN, DR. GEORGE, Econ, see 10th ed, Soc. & Behav. Vols.

ROSEN, DR. HOWARD, b. Newark, N.J, Oct. 9, 14; m. 51. ECONOMICS. B.A. Rutgers, 39; M.A. N.J. State Teachers Col, 42; Ph.D. (econ), American Univ, 56. Prin. high sch, Mont, 44-45; indust. economist, bur. labor statist, U.S. Dept. Labor, 45-47; asst. prof. Hampton Inst, 47-51; labor economist, bur. labor statist, U.S. DEPT. LABOR, 51-58, chief br. skilled labor & indust. studies, 58-62, manpower develop. officer, Off. of Secy, 62-64, asst. dir. OFF. MANPOWER RES. MANPOWER ADMIN, 64-67, DIR, 67- Distinguished serv. award, U.S. Dept. Labor, 64. Econ. Asn; Indust. Rel. Res. Asn; Acad. Polit. & Soc. Sci. Labor; manpower. Publ: Manpower supply in the United States, Seminar Occup. Mobility & Migration, N.C. State, 4/66; Vocational education: training for yesterday's jobs?, Occup. Outlook Quart, Bur. Labor. Statist, U.S. Dept. Labor, 5/66; Research tools for solving manpower problems, Bus. & Govt. Rev, Univ. Missouri, 3-4/67. Address: 5204 Wyoming Rd, Glen Echo Heights, Washington, D.C. 20016.

ROSEN, MARTIN M, b. Cincinnati, Ohio, Aug. 7, 19; m. 49; c. 6. ECONOMICS. A.B. Cincinnati, 40; M.A. Minnesota, 41. Fiscal economist, U.S. Treas. Dept, 41-42; economist, Int. Bank Reconstruct. & Develop, 46-50,

- asst. to dir. econ. dept. 50-52, asst. dir. dept. ops. Europe, Africa & Australia, 52-55, dept. tech. ops. 55-57, dir. Dept. Ops. Far East, 57-61; EXEC. V. PRES. INT. FINANCE CORP. 61- Dep. chief finance div. U.S. Element Allied Cmn. for Austria, 45-46; lectr. dept. econ. American Univ. 47; dep. chief finance div. off. spec. rep. in Europe, Econ. Coop. Admin. 48. U.S.A. 42-46, Capt. Am. Econ. Assn; Soc. Int. Develop; Royal Econ. Soc. International and development economics. Publ: Demand for cigarettes in Austria, South. Econ. J; Population growth, investment and economic recovery, Am. Econ. Rev. Address: 2115 Paul Spring Rd, Alexandria, Va. 22307.
- ROSEN, DR. NED ARNOLD, b. Cleveland, Ohio, June 18, 30; m. 55; c. 1. PSYCHOLOGY. A.B. Antioch Col, 53; Ohio State, 53-54; M.A. Illinois, 55; Ph.D. (psychol), Purdue, 60. Asst. dir. div. ed. reference, Purdue, 58-61, acting dir. 61; asst. prof. INDUST. & LABOR RELS, N.Y. STATE SCH. INDUST. & LABOR RELS, CORNELL, 61-65, ASSOC. PROF. 65- Fulbright lectr. & vis. prof. Birkbeck Col, Univ. London, 67-68. U.S.A. 55-57. Indust. Rels. Res. Assn; Psychol. Assn. Industrial-social psychology; leadership and small groups; management development; vocational training; psychometrics and attitude surveys. Publ: Leadership change and work group dynamics: an experiment, Cornell, (in press); sr. co-auth. Motivational constraints in an industrial re-training program, Personnel Psychol, spring 65; Behavior in a non-experiment: the effects of behavioral research on the performance of factory workers, J. Appl Psychol, 66. Address: New York State School of Industrial & Labor Relations, Cornell University, Ithaca, N.Y. 14850.
- ROSEN, DR. S. McKEE, b. Cleveland, Ohio, Feb. 11, 02; m. 34; c. 2. PUBLIC ADMINISTRATION. A.B. Minnesota, 23; fel. Brookings Inst. 26-27; Ph.D. (econ), London, 31. Prof. polit. sci. Chicago & Cent. YMCA Col, 28-42; chief for. tech. assistance group, U.S. Bur. Budget, 42-53; pub. admin. training br. Int. Coop. Admin, 53-64; PROF. PUB. ADMIN, GEORGE WASHINGTON, 64- Impartial umpire, War Labor Bd, 42; lectr. American Univ. 46-; Nat. Univ. Mex. 49; Denver, 52; Vargas Found, Brazil, 53; Puerto Rico, 60. Consult. Hoover Cmn. Soc. Trends, 31-32; Nat. Resources Planning Bd, 36-37; Govt. of P.R. 48; Mex. 49; Brazil, 53. AAAS; Polit. Sci. Assn; Soc. Pub. Admin. Publ: Technology and society; Combined boards: Modern individualism. Address: 3921 Harrison St, N.W., Washington, D.C. 20015.
- ROSEN, PROF. SAM, b. Baltimore, Md, Apr. 1, 20; m. 43; c. 3. ECONOMICS. B.A. Wisconsin, 42; M.A. Harvard, 48, Ph.D. (econ), 52. Asst. prof. ECON, Wyoming, 49-51; Delaware, 52-57; assoc. prof. NEW HAMPSHIRE, 57-63, PROF. 63- Sabbatical year, Italy, 63-64. Mem. Seacoast Regional Plan Study, 65-67. U.S.N.R. 42-45, Lt. Econ. Assn; Finance Assn; Regional Sci. Assn. Business cycles; social accounting; public finance; macroeconomic theory. Publ: National income, Holt, 63; Severance pay and the American newspaper guild, Journalism Quart; The lottery as a source of public revenue, Taxes, 9/66. Address: Dept. of Economics, University of New Hampshire, Durham, N.H. 03824.
- ROSEN, SEYMOUR M, Slavic Lang. & Lit, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.
- ROSEN, DR. SHERWIN, b. Chicago, Ill, Sept. 29, 38; m. 61; c. 2. ECONOMICS. B.S. Purdue, 60; M.A. Chicago, 63, Ford Found. fel, 63-64, Ph.D. (econ), 66. ASST. PROF. ECON, ROCHESTER, 64- Nat. Sci. Found. res. grant, 66-69; res. fel. Nat. Bur. Econ. Res, 67-68. Econ. Assn. Labor economics; econometrics. Publ: Short-run employment variation on class-I railroads in the U.S, Econometrica, 4/68. Address: Dept. of Economics, University of Rochester, Rochester, N.Y. 14627.
- ROSEN, PROF. SIDNEY, b. May 19, 17; m. 51; c. 4. SOCIAL PSYCHOLOGY. B.A. Brooklyn Col, 38; M.A. New Sch. Soc. Res, 48; Ph.D. (soc. psychol), Michigan, 52. Res. assoc. res. center group dynamics, Michigan, 51-57; asst. prof. PSYCHOL, Marquette, 57-58, assoc. prof. 58-64, PROF. 64-68; GEORGIA, 68- U.S.A. 43-46. Psychol. Assn; Sociol. Assn; Soc. Exp. Social Psychol; Soc. Psychophysiol. Res. Small group theory; social perception and motivation; cognitive process. Publ: Co-auth. Dynamics of power, Human Rels; Use of electro-oculography for identifying phases of cognitive process, Psychophysiology, 66; auth. Comparative roles of informational and material commodities in interpersonal transactions, J. Exp. Soc. Psychol, 66. Address: Dept. of Psychology, University of Georgia, Athens, Ga. 30601.
- ROSEN, DR. SUMNER MAURICE, b. Boston, Mass, June 17, 23; m. 49; c. 2. POLITICAL SCIENCE. Ford Found. fel, 54-56; Ph.D. (econ), Mass. Inst. Tech, 59. Asst. prof. econ, Northeastern, 56-60, res. assoc. indust. union dept. Am. Fedn. Labor-Cong. Indust. Orgn, 60-61; res. fel. Center Mid. East. Studies, Harvard, 61-62; from asst. prof. to assoc. prof. econ, Simmons Col, 62-65; dir. ed. dist. coun. 37, Am. Fedn. State, County & Munic. Employees, 65-68; RES. ASSOC. PROF. SCH. ED, N.Y. UNIV, 68- Guest lectr. Brandeis, 62; lectr. U.S. Dept. Labor Seminar Manpower in Develop. Countries, summer, 63. Mem. acad. freedom cmt. Am. Civil Liberties Union, 66- U.S.A. 41-43, Sgt. Indust. Rels. Res. Assn. Union management relations; economic development; economics of war and peace; problems of race and power in the United States. Publ: Co-auth. Labor in developing economies, Univ. California, 62; The Negro and the American labor movement, Doubleday, 68; The dissenting academy, Pantheon, 68. Address: School of Education, New York University, Washington Square, N.Y. 10003.
- ROSENAU, PROF. JAMES N (ATHAN), b. Philadelphia, Pa, Nov. 25, 24; m. 55. POLITICAL SCIENCE. A.B. Bard Col, 48; A.M. Hopkins, 49; A.M. Princeton, 52, Ph.D. 57. Instr. POLIT. SCI, DOUGLASS COL, RUTGERS, 49-54, asst. prof. 54-60, assoc. prof. 60-62, PROF. 62-, CHMN. DEPT. POLIT. SCI, BRUNSWICK CAMPUS, 68-, dir. Woodrow Wilson Centennial, 56. Asst. Inst. Adv. Study, 53-54; vis. assoc. prof. center int. studies, Princeton, 60, res. assoc. 60-; vis. lectr. Columbia, 61-62; N.Y. Univ, 65. U.S.A. 42-46. Polit. Sci. Assn; Acad. Polit. & Soc. Sci. International relations, American foreign policy; political behavior; United States Congress. Publ: Ed. International politics and foreign policy; auth. Public opinion and foreign policy; National leadership and foreign policy, Princeton, 63. Address: 21 Goodale Circle, New Brunswick, N.J. 08901.
- ROSENBAUM, PROF. G (ERALD), b. New York, N.Y., Dec. 18, 22; m. 44; c. 2. PSYCHOLOGY. B.A. Brooklyn Col, 39; M.A. Iowa, 47, Ph.D. (psychol), 50. From as t. prof. to PROF. PSYCHOL, WAYNE STATE, 50- Fulbright res. scholar, Rome, 59-60. Consult. Lafayette Clin, 55- Med.C. U.S.A. 43-46. Psychol. Assn. Psychopathology; learning theory. Publ: Temporal gradients of response strength with two levels of motivation & Stimulus generalization as a function of level of experimentally induced anxiety, J. Exp. Psychol; co-auth. Accuracy of positioning reactions as a function of their direction and extent, Am. J. Psychol. Address: Dept. of Psychology, Wayne State University, Detroit, Mich. 48202.
- ROSENBAUM, DR. H. JON, b. Plainfield, N.J., Mar. 18, 41; m. 67. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A. Pennsylvania, 63; M.A. Fletcher Sch. Law, 64, M.A.L.D. 65, Ph.D. (int. rels), 67; Shell Int. fel. Brazil, 66-67. Instr. POLIT. SCI, WELLESLEY COL, 67-68, ASST. PROF. 68- Res. fel. Getulio Vargas Found, Rio de Janeiro, 68. Polit. Sci. Assn. International relations in Latin America; Brazil's foreign policy and Cuba: 1959-1966; Hickenlooper amendment to the U.S. Foreign Assistance Act. Publ: A critique of the Brazilian foreign service, J. Develop. Areas, 4/68. Address: Fiske House 32, Wellesley College, Wellesley, Mass. 02181.
- ROSENBAUM, DR. MAX, b. New York, N.Y., Apr. 23, 23; m. 49; c. 4. PSYCHOLOGY. Ph.D. (psychol), N.Y. Univ, 48. PRACTICING PSYCHOLOGIST, 49- Radio lectr. WMGM, 48-53; vis. lectr. grad. sch. ed. N.Y. Univ. 48-49; mem. faculty, Nat. Psychol. Assn. for Psychoanal, 52-; lectr. City Univ. New York, 68- Psychologist, psychiat. clin. Domestic Rels. Court, 48-50; ed. dir. Assn. Group Psychoanal & Process, 55-64. Consult. Community Adv. Centers, N.Y. 52- U.S.A. 45-46. Fel. AAAS; fel. Psychol. Assn; Group Psychother. Assn; Psychol. Assn. Psychoanal. (treas. 52); Assn. Group Psychoanal. & Process (pres. 64-68, ed. jour. 68-); fel. Sociol. Assn; fel. N.Y. Acad. Sci. Group psychotherapy and psychoanalysis. Publ: Co-auth. Group psychotherapy; co-ed. Group psychotherapy and group function; auth. Challenge of group psychoanalysis, Psychoanalysis. Address: 3 Howell Place, Eastchester, N.Y. 10709.
- ROSENBAUM, PROF. MILTON E, b. Pittsburgh, Pa, Oct. 24, 25; m. 49; c. 4. PSYCHOLOGY. B.S.S. City Col. New York, 48, M.S. 49; Ph.D. (psychol), Texas, 54. Psychologist, Austin State Hosp, Tex, 51-52; asst. prof. PSYCHOL, North Carolina, 54-57; from asst. prof. to PROF. IOWA, 57- Psychol. Assn. Observational learning; social motivation. Publ: Direct and vicarious reduction of hostility, J. Abnorm. & Soc. Psychol; The effect of direct and vicarious verbalization of retention, Child Develop; The competence of the model and the learning of imitation and non-imitation, J. Exp. Psychol. Address: Dept. of Psychology, University of Iowa, Iowa City, Iowa 52240.
- ROSENBAUM, DR. NAOMI, b. Eng, Feb. 13, 35; U.S. citizen; m. 58; c. 2. POLITICAL SCIENCE. A.B. Cornell, 55; M.A. Yale, 57, Ph.D. (polit. sci), 64. ASST. PROF. POLIT. SCI, YORK (ONT), 65- International relations, especially decolonization and the international system; comparative foreign policies. Address: Dept. of Political Science, York University, Faculty of Arts and Science, Toronto 12, Ont, Can.
- ROSENBAUM, DR. WALTER A (NTHONY), b. Pittsburgh, Pa, Oct. 20, 37; m. 60; c. 2. POLITICAL SCIENCE. B.A. Redlands, 59; M.A. Princeton, 62. Ph.D. (polit. sci), 64. ASST. PROF. POLIT. SCI, FLORIDA, 62- American government, especially political parties, Presidency and public opinion. Publ: Burning of the farm population estimates, Inter-Univ. Case Prog. 64; co-auth. Political opinion and electoral behavior, Wadsworth, 66. Address: Dept. of Political Science, Peabody Hall, University of Florida, Gainesville, Fla. 32603.
- ROSENBERG, PROF. BENJAMIN G (EORGE), b. San Francisco, Calif, May 11, 22; m. 54; c. 2. PSYCHOLOGY. B.A. California, 47, M.A. 48, Ph.D. 52. Instr. PSYCHOL, Southern Methodist, 50-51; asst. prof. Alabama, 52-53; from asst. prof. to PROF, BOWLING GREEN STATE, 55- Clin. psychol. fel. California, 53-55. Res. & training consult. Toledo State Hosp, Ohio. U.S.A.A.F. 42-45. AAAS; Psychol. Assn. Personality psychodynamics; authoritarianism and cognitive functioning; interaction patterns in group psychotherapy. Publ: Compulsiveness as a determinant in selected cognitive-perceptual performances, J. Personality; co-auth. Contributions to role-taking theory & Authoritarianism and aesthetic choice, J. Soc. Psychol. Address: Dept. of Psychology, Bowling Green State University, Bowling Green, Ohio 43402.
- ROSENBERG, DR. GEORGE S (TANLEY), b. New York, N.Y., Feb. 20, 30; m. 51; c. 3. SOCIOLOGY. B.A. Chicago, 51; M.A. Columbia, 53, Ford Found. fel, 56-57, Ph.D. (sociol), 60. Asst. prof. sociol, Carnegie Inst. Tech, 57-61; res. assoc. Bur. Soc. Sci. Res, Inc, D.C. 61-67; ASSOC. PROF. SOCIOLOG. & DIR. NAT. INST. CHILD HEALTH & HUMAN DEVELOP. SOC. GERONT. PROG, CASE WESTERN RESERVE, 67- U.S.A. 53-55. Fel. Sociol. Assn; Geront. Soc. Social stratification; aging; theory; methodology. Publ: Poverty, aging and social isolation, Jossey-Bass, Pub. Inc. (in press); Implications of new models for the aging population, In: Alternate models for the American family structure, Appleton, (in press). Address: Dept. of Sociology, Case Western Reserve University, Cleveland, Ohio 44106.
- ROSENBERG, PROF. HANS W (LLIBALD), European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- ROSENBERG, DR. HERBERT H (ARRIS), b. Syracuse, N.Y., May 13, 18; m. 45; c. 5. POLITICAL SCIENCE, ECONOMIC DEVELOPMENT. A.B. Syracuse, 39, Maxwell scholar, 39-40; M.A. Chicago, 49, univ. fel, 49-50, Soc. Sci. Res. Coun. fel, 53-54, Ph.D. 57. Mgt. analyst, U.S. War Dept, 41-45, chief standards & procedures, Off. Secy. War, 45-48; dir. Wash. Res. Off, Syracuse, 50-52; chief historian Off. Defense Mobilization, 52-53; dep. dir. govt. studies, Nat. Sci. Found, 54-57; CHIEF RESOURCES ANAL. BR. NAT. INSTS. HEALTH, 57- Lctr. American Univ, 55- Consult. Nat. Manpower Cmn, 57; State Dept. Health, N.Y., 57, cmt. higher ed, 60, cmt. med. ed, 62. AAAS; Polit. Sci. Assn. Science and public policy; science resources; economic and social planning; higher education. Publ: Planning for research and development in the Navy; Research and the financing of higher education,

Higher Ed; Research planning and program development in the National Institutes of Health. Address: National Institutes of Health, Bldg. 31, Room 1B44, Bethesda, Md. 20014.

ROSENBERG, DR. J. MITCHELL, b. Bayonne, N.J., Aug. 26, 06; m. 58. POLITICAL SCIENCE. B.A., N.Y. Univ., 27; LL.B., Columbia, 30, M.A., 39; Ph.D. (polit. sci.), New Sch. Soc. Res., 67. Asst. prof. POLIT. SCI., Rhode Island, 66-67; LECTUR., BROOKLYN COL., 67- Asst. dist. attorney, Kings County, N.Y., 40- Polit. Sci. Asn; Acad. Polit. & Soc. Sci. American government; jurisprudence; constitutional law; political thought. Publ: Story of Zionism, Bloch pub., 46. Address: 901 Ave. H, Brooklyn, N.Y. 11230.

ROSENBERG, DR. LARRY, b. New York, N.Y., Dec. 15, 32. SOCIOLOGY. B.A., Brooklyn Col., 54; M.A., Chicago, 62, Ph.D. (sociol.), 64. Res. fel. soc. psychol., Downey Vet. Admin. Hosp., 57-59; SOCIOL., dept. psychiat., Harvard Med. Sch., 63-65; ASST. PROF., Chicago, 65-66; BRANDEIS, 66- Med.C., U.S.A., 54-56. Sociol. Asn. Field methods; ethnographic studies in social interaction; sociological study of human motion. Publ: Social status and participation among a group of chronic schizophrenics, Human Rel., 62; co-auth. Some problems involved in professionalizing social interaction: the case of psychotherapeutic training, J. Health & Soc. Behav., 67. Address: Dept. of Sociology, Brandeis University, Waltham, Mass. 02154.

ROSENBERG, DR. LEON A (ARON), b. New York, N.Y., May 19, 35; m. 57; c. 1. PSYCHOLOGY. B.A., N.Y. Univ., 55; M.A., North Dakota, 56; Ph.D. (clin. psychol.), Purdue, 59. Trainee clin. psychol., Vet. Admin. Hosp., Marian, Ind., 56-57; intern., Walter Reed Army Med. Center, D.C., 57-58; asst., Purdue, 59; asst. chief psychol. br., dept. neuropsychiat., med. field serv. sch., Ft. Sam Houston, 59-62; psychologist, Esther Loring Richards Childrens Center, Owings Mills, Md., 62-63, dir., 63-64; instr. PEDIAT. & MED. PSYCHOL., SCH. MED., HOPKINS, 64-67, ASST. PROF., 67- Instr., eve. sch., San Antonio Col., 59-60; dir. child psychol., comprehensive child care prog., Hopkins Hosp., 66- Med.Serv.C., 57-62, Capt. Psychol. Asn. Cultural factors in psychological test performance; treatment procedures with underprivileged children; training of subprofessional mental health personnel. Publ: Co-auth. Psychotherapy with the underprivileged, Am. J. Orthopsychiat., 67 & Brief tests of intelligence, Psychol. Reports, 67; auth. A culture-fair instrument for intellectual evaluations, In: Disadvantaged child, 68. Address: 9008 Samoset Rd., Randallstown, Md. 21133.

ROSENBERG, LOUIS, b. Poland, June 17, 93; nat. Can; m. 22. SOCIOLOGY, STATISTICS. B.Sc., Leeds, 13. Teacher, pub. schs., Sask., Can., 15-19; dir. farm settlements, Jewish Colonization Asn., 19-40; exec. dir. West. Div., CAN. JEWISH CONG., 40-45, NAT. RES. DIR. SOC. & ECON. RES., 45- Mem., Yivo Inst. Jewish Res. AAAS; fel. Sociol. Asn; fel. Royal Econ. Soc; fel. Royal Statist. Soc; Israeli Asn. Jewish Demog. & Statist. Demography and sociology of Jewish and other ethnic groups; intergroup relations. Publ: Co-auth. Inter-marriage and Jewish life, a symposium, Herzl, 63; auth. The demography of the Jewish community in Canada, Jewish J. Sociol., Eng., 12/59; Two centuries of Jewish life in Canada, 1760-1960, Am. Jewish Yearbook, 61. Address: Canadian Jewish Congress, 493 Sherbrooke St. W., Montreal, Que., Can.

ROSENBERG, PROF. MILTON J, b. New York, N.Y., Apr. 15, 25; m. 54. PSYCHOLOGY. A.B., Brooklyn Col., 46; M.A., Wisconsin, 48; Ph.D., Michigan, 53. Instr. PSYCHOL., Michigan, 52-54; asst. prof., Yale, 54-61; assoc. prof., Ohio State, 61-63; PROF., Dartmouth Col., 63-65; CHICAGO, 65- Psychol. Asn; Soc. Psychol. Study Social Issues. Cognitive processes; experimental study of attitude structure and dynamics; personality and social role determinants of social concern; general social psychological theory; social psychology of social research. Publ: Co-auth. Attitude organization and change; auth. Chap. In: International behavior; Chap. In: Domestic sources of foreign policy; co-auth. Theories of cognitive consistency: a sourcebook, 68. Address: Dept. of Psychology, University of Chicago, Chicago, Ill. 60637.

ROSENBERG, DR. MORRIS, b. New York, N.Y., May 6, 22; m. 49; c. 1. SOCIOLOGY. B.A., Brooklyn Col., 46; Gilder fel., Columbia, 48-49, M.A., 50, Soc. Sci. Res. Coun. fel., 52-53, Ph.D. (sociol.), 53. Lectr. sociol. sch. gen. studies, Columbia, 49-51, grad. faculty polit. sci., 50-51; instr. sociol., Cornell, 51-54, asst. prof., 54-56; SOC. SCI. ANALYST, NAT. INST. MENT. HEALTH, 57- Fel., Center Adv. Study Behav. Sci., 56-57; vis. scholar, London Sch. Econ., 63-64. Co-winner, AAAS prize, 63; Thomas lect., Univ. Tennessee, 66. U.S.A., 43-46, Sgt. Sociol. Asn. Social research methodology; sociology of mental health; social psychology; sociology of occupations; social stratification. Publ: Occupations and values; Society and the adolescent self-image, Princeton, 65; The logic of survey analysis, Basic Books, 68. Address: National Institute of Mental Health, Bldg. 10, Room 2N-202, Bethesda, Md. 20014.

ROSENBERG, DR. MORTON MERVIN, U.S. Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

ROSENBERG, DR. NATHAN, b. Oswego, N.Y., Feb. 7, 23; m. 60; c. 1. PSYCHOLOGY. A.B., Cornell, 43; M.A., Syracuse, 52, Ph.D., 54. Vet. Admin. trainee clin. psychol., Illinois, 46-48; voc. counsr., Syracuse, 48-51; asst. indust. res., 51-52; res. assoc. selection & training Naval Aviation Cadets, Tulane, 52-54; res. psychologist, personnel res. br., U.S. Dept. Army, 54-61; div. accident prev., U.S. PUB. HEALTH SERV., 61-64, RES. CONSULT. ALCOHOLISM, NAT. INST. MENT. HEALTH, 64- U.S.A., 43-46. AAAS; Psychol. Asn. Pub. Health Asn; Soc. Study Social Probs. Personality and vocational interest measurement; prediction of military delinquency; criterion research; selection of pilots; performance measures for drivers; alcoholism; epidemiology. Publ: Stability and maturation of Kuder interest patterns during high school; & co-auth. Middle category response: reliability and relationship to personality and intelligence variables, Ed. & Psychol. Measurement; Vocational interests of Naval Aviation Cadets, J. Appl. Psychol. Address: 389 O St. S.W., Washington, D.C. 20024.

ROSENBERG, DR. NATHAN, b. Passaic, N.J., Nov. 22, 27; m. 54; c. 3. ECONOMICS. B.A., Rutgers, 50; M.A., Wisconsin, 52, Ph.D. (econ.), 55; Oxford, 52-54. Lectr. ECON., Indiana, 55-57; asst. prof., Pennsylvania, 57-61; assoc. prof., PURDUE, 61-66, PROF., 66- Econ. Asn. U.S.A., 45-47. Economic

history and development; history of economic thought. Publ: Economic planning in the British building industry; Institutional aspects of the wealth of nations, J. Polit. Econ; Capital formation in underdeveloped countries, Am. Econ. Rev. Address: Dept. of Economics, Purdue University, Lafayette, Ind. 47907.

ROSENBERG, DR. PEARL P (OLLACK), b. Boston, Mass., June 22, 23; m. 47; c. 3. CLINICAL PSYCHOLOGY. B.A., Harvard, 44, M.A., 48, Ph.D., 52. Clin. psychologist, human rels. serv., Wellesley, 47-55; res. assoc. ment. health, sch. pub. health, Harvard, 52-59; res. asst. prof. rehab. med., Albert Einstein Col. Med., 60-65; lectr. CLIN. PSYCHOL., DEPT. PHYS. MED. & REHAB., UNIV. MINNESOTA HOSPS., 65-68, ASSOC. PROF., 68- Consult., Berkshire Rehab. Center, Pittsfield, Mass., 63; Sacred Heart Sch. Nursing, Eau Claire, Wis., 65- Psychol. Asn; Group Psychother. Asn; N.Y. Acad. Sci. Preventive psychiatry; group dynamics; medical education via group discussion. Publ: Human relations seminar, experiment in nursing education; Seminar in student nurses' safety valve; Dynamic analysis of the student nurse. Address: 560 Mt. Curve Blvd., St. Paul, Minn. 55116.

ROSENBERG, PROF. SAMUEL A (LBERT), b. Boston, Mass., Nov. 8, 04; m. 29; c. 2. ECONOMICS. B.A., Boston, 29, M.B.A., 31; fel., North Carolina, 45-46, Ph.D., 50. Prof. econ., Hampton Inst., 29-42; economist, UNRRA, Yugoslavia, 42-45; head dept. commerce & finance, WILKES COL., 45-48, PROF. ECON., 48- Lectr., North Carolina, 45-47; economist, Am. Missionary Asn., 45-47; admin. dir., labor-mgt. citizens cmt., Greater Wilkes-Barre, Pa., 56- Dep. Impartial chmn., Dress Indust., Pa., 58-; chmn., Laundry Minimum Wage Bd., 59-; mem. exec. reserves, U.S. Dept. Labor; pub. mem., Minimum Wage Bd. Sugar Indust., P.R., 68. Econ. Asn; Finance Asn; Arbit. Asn; Acad. Arbit. Credit unions in North Carolina; labor management relations; labor arbitration and negotiations. Publ: Money and banking; Credit unions in North Carolina; Public finance. Address: Dept. of Economics, Wilkes College, Wilkes-Barre, Pa. 18703.

ROSENBERG, DR. SELIG, b. New York, N.Y., Oct. 9, 14; m. 47; c. 2. PSYCHOLOGY. B.A., Brooklyn Col., 38; M.Litt., Pittsburgh, 44; Ph.D., N.Y. Univ., 52. Clin. psychologist, Vet. Admin., 47-58; CHIEF CLIN. PSYCHOLOGIST, NORTHPORT VET. HOSP., 58- Lectr., Brooklyn Col., 51-63; N.Y. Univ., 64- Psychol. consult., Health Ins. Plan of Greater N.Y., 62- U.S.A., 42-45. Psychol. Asn. Clinical psychology; psychodiagnostics; psychotherapy. Publ: Relationship of certain personality factors to prognosis in psychotherapy, J. Clin. Psychol.; Some relationships between attitudes expressed toward the parent in a sentence completion test and case history data, J. Proj. Tech.; co-auth. Some determinants of persistence in chronic schizophrenic subjects, J. Abnorm. Psychol., Vol. 70, 4, 8/65. Address: 50 Melanie Lane, Syosset, L.I., N.Y. 11791.

ROSENBERG, PROF. SEYMOUR, b. Newark, N.J., Sept. 7, 26; m. 48; c. 2. PSYCHOLOGY. B.S., The Citadel, 47; M.A., Indiana, 51, Ph.D. (psychol.), 52. Res. psychologist, U.S. Dept. Air Force, 52-58; res. assoc., Kansas, 58-59; res. psychologist, Bell Tel. Labs. Inc., 59-65; vis. prof. PSYCHOL., Columbia, 65-66; PROF., RUTGERS, 66- Nat. Insts. Health spec. fel., 66-68; res. sci. award, 68-73. U.S.N., 45-46. Psychol. Asn; Psychonomic Soc; Psychomet. Soc. Language and communication; math models of social behavior; social perception. Publ: Mathematical models of social behavior, Addison-Wesley, 68; Cooperative behavior in dyads as a function of reinforcement parameters, J. Abnorm. & Soc. Psychol., 60; co-auth. Referential processes of speakers and listeners, Psychol. Rev., 66. Address: Dept. of Psychology, Rutgers University, New Brunswick, N.J. 08903.

ROSENBERG, DR. SOL S (HAEL), b. Decatur, Ill., Sept. 18, 21; m. 51; c. 3. CLINICAL PSYCHOLOGY. B.A., Illinois, 47, M.S., 48, Ph.D., Bradley, 55. Clin. psychologist, Vet. Admin. Psychiat. Hosp. & Clin., 48-52; chief clin. psychologist, Peoria Ment. Hyg. Clin., 52-59; CLIN. PSYCHOLOGIST, 59- Instr., Bradley, 52-; Chicago Med. Sch., 61- Consult., McLean County Ment. Health Center, 55-; State Div. Voc. Rehab., 55-; Peoria Children's Home, 59- U.S.A., 43-46. Psychol. Asn; Acad. Psychother. Individual and group psychotherapy; psychodiagnostic testing. Address: Memorial Drive Medical Bldg., 300 E. War Memorial Dr., Peoria, Ill. 61614.

ROSENBERGER, FRANCIS COLEMAN, b. Manassas, Va., Mar. 22, 15; m. 66. POLITICAL SCIENCE, LAW. Serv. fel., Virginia, 39-40. MEM. STAFF, U.S. CONG., 42-; SENATE JUDICIARY CMT., 55- U.S. del. Intergov. Cmt. for European Migration, Switz., 55, 56. Polit. Sci. Asn. Literature; government; history. Publ: Virginia reader, a treasury of writings from the first voyages to the present; Jefferson reader, a treasury of writings about Thomas Jefferson; Records of the Columbia Historical Society. Address: 2226 Senate Office Bldg., Washington, D.C. 20510.

ROSENBLATT, DAVID, Math. Statist., see 11th ed, Phys. & Biol. Vols.

ROSENBLATT, DR. FRANK, Biol., see 11th ed, Phys. & Biol. Vols.

ROSENBLATT, DR. HARRY M (YER), b. New York, N.Y., Apr. 14, 17; m. 40; c. 2. MATHEMATICAL STATISTICS. B.S., George Washington, 48, M.S., 53, Ph.D. (math. statist.), 60. Math. statistician, Naval Ord. Lab., 48-50, math. statistician & head statist. br., qual. control div., bur. ord., U.S. Dept. Navy, 50-56, math. statistician, Off. Naval Res., 56-59; ops. analyst, Fed. Aviation Agency, 59-60; MATH. STATISTICIAN, STATIST. RES. DIV., BUR. CENSUS, U.S. DEPT. COMMERCE, 60- Adj. prof., American Univ., 58-; lectr., Hopkins Sch. Adv. Int. Studies, D.C., 63-; prof. lectr., George Washington, 66- U.S.N., 43-46. Statist. Asn; Ops. Res. Soc. Am; Inst. Math. Statist.; Math. Asn. Mathematical statistics research for economic time series analysis; operations research; statistical quality control; information theory and statistics; multivariate analysis; experimental design and sampling. Publ: Multivariate experimental designs, George Washington, 60; co-auth. Analysis of multiple regression in k categories, Biometrika, 6/57; auth. Spectral evaluation of BLS and census revised seasonal adjustment procedures, J. Am. Statist. Asn., 6/88. Address: 12812 Bluhill Rd., Wheaton, Md. 20906.

- ROSENBLATT, DR. JUDAH (ISSER), b. Baltimore, Md, Feb. 12, 31; m. 56; c. 1. MATHEMATICS, STATISTICS. B.A., Hopkins, 51; Brown, 52; Ph.D., Columbia, 59. Asst. prof. math. & statist., Purdue, 56-60; assoc. prof. math., New Mexico, 60-68, dir. math. comput. lab, 67-68; PROF. MATH, CASE WESTERN RESERVE, 68- Consult, U.S. Naval Ammunition Depot, Crane, Ind, 57-60; Sandia Corp, Albuquerque, N.Mex, 60-; Air Force Missile Development Center, Holloman Air Force Base, N.Mex, summer, 61- Math. Soc.; Soc. Indust. & Appl. Math.; Inst. Math. Statist. Mathematical statistics; stochastic processes and numerical analysis. Publ: Co-auth, Modern university calculus, Holden-Day, 66; auth, Statistical aspects of collision warning system design; co-auth, Two stage estimation with one observation on the first stage, Ann. Inst. Statist. Math, 63. Address: Dept. of Mathematics, Case Western Reserve University, Cleveland, Ohio 44106.
- ROSENBLATT, DR. PAUL C(ONRAD), b. Chicago, Ill, Sept. 25, 38; m. 58; c. 2. SOCIAL PSYCHOLOGY, SOCIAL ANTHROPOLOGY. A.B., Chicago, 58; M.S., Northwestern, 61, Ph.D.(psychol), 62. Asst. prof. psychol. & sociol., Missouri, Columbia, 62-66, assoc. prof., 66-67; VIS. ASSOC. PROF., PSYCHOL. & ANTHROP., CALIFORNIA, RIVERSIDE, 67- Res. grant to Nat. Sci. Found. summer inst. cross-cultural res, Pittsburgh, 66; vis. assoc. prof., California, Riverside, 66-67. Psychol. Asn; Anthropol. Asn. Attitude change; social cohesion; social structure; methodology. Publ: A cross-cultural study of child rearing and romantic love, J. Personality & Soc. Psychol, 66; An evaluation of Thorndike's studies of formal discipline, Psychol. Schs, 67; Marital residence and the functions of romantic love, Ethnology, 67. Address: Departments of Psychology & Anthropology, University of California, Riverside, Calif. 92502.
- ROSENBLATT, DR. SAMUEL, b. New York, N.Y., June 27, 30; m. 52; c. 1. ECONOMICS. B.S., Syracuse, 51; M.A., Rutgers, 52, Ph.D.(econ), 60. Economist, wage, hour & pub. contracts div, U.S. Dept. Labor, 52-53; asst. prof. econ, Randolph-Macon Woman's Col, 58-62, assoc. prof., 62-64; economist, bd. gov, Fed. Res. Syst, 65-67; DEP. DIR, OFF. AREA PLANNING, ECON. DEVELOP. ADMIN, U.S. DEPT. COMMERCE, 67- Ford Found. fcls, Asian Studies Prog, 61-62; summer regional econ. seminars, Duke, 61. U.S.A., 56-58. Econ. Asn; Hist. Asn; Finance Asn. Macroeconomics; monetary theory; history of economic thought; American economic history; regional economic development. Publ: Significance of credit in the tobacco consignment trade: study of John Norton & Sons, 1768-1775, William & Mary Quart; The Federal Reserve System after fifty years, Quart. J. Econ. & Bus, 65. Address: 7106 Pomander Lane, Chevy Chase, Md. 20015.
- ROSENBLITH, DR. JUDY F(RANCIS), b. Salt Lake City, Utah, Mar. 20, 21; m. 41; c. 2. PSYCHOLOGY. A.B., California, Los Angeles, 42; fel, Radcliffe Col, 48-50, M.A., 50; fel, Harvard, 53-56, Ph.D.(child psychol), 58. Teaching fel. & tutor soc. rels, Harvard & Radcliffe Col, 48-50; instr. psychol. & sociol., Cambridge Jr. Col, 50-51; asst. prof., Simmons Col, 51-52; teaching fel, grad. sch. ed, Harvard, 53-56, instr. ed. & res. asst, lab. human develop, 56-57; asst. prof. psychol, BROWN, 57-61, asst. mem. INST. HEALTH SCI, 61-63, ASSOC. MEM, 63-; PROF. PSYCHOL, WHEATON COL.(MASS), 68-, assoc. prof., 65-68. Assoc. psychologist, Mass. Gen. Hosp, 61-63, psychologist, 63-; assoc. psychol, sch. med, Harvard, 61-64, clin. res. assoc, 64-65, lectr, grad. sch. ed, 63-64. New Eng. supvr, Nat. Opinion Res. Center, 53-57; reviewer, res. pub, Nat. Inst. Child Health & Human Develop, 64. Psychol. Asn; Soc. Res. Child Develop.(secy, 65-69); Nat. Coun. Measurement in Ed. Behavioral assessments of newborn and prognostic value of; perceptual development, especially in regard to orientation errors and comparison of brain damaged with normal children; imitation and sex roles; learning. Publ: Co-auth, The causes of behavior: readings in child development and educational psychology, Allyn & Bacon, 66; auth, Judgments of simple geometric figures by children, Perceptual & Motor Skills, 65 & Prognostic value of neonatal assessment, Child Develop, 66. Address: 164 Mason Terr, Brookline, Mass. 02146.
- ROSENBLUM, DR. A. LEON, b. Lwow, Poland, May 6, 17; nat; wid; c. 2; m. 65; c. 1. SOCIOLOGY. A.B., Indiana State, 43, M.A., 44; New Mexico, 51-52; California, Los Angeles, 53-56; Ph.D.(sociol), Southern California, 59. Asst. prof. sociol, Nebraska, 59-61; prof. Hebrew & Jewish hist, Cotner Sch. Relig, 60-61; assoc. prof. SOCIOL, Arizona State, 62-64; ASST. PROF., Calif. State Col. Los Angeles, 64-65; San Fernando Valley State Col, 65-67; CALIF. STATE COL. LOS ANGELES, 67- Lectr, Southern California, 64-65. Abstr. Sociol. Abstracts. Bogardus res. award, 58. Sociol. Asn. Research methods; sociological theory; social problems, stratification and psychology. Publ: Ethnic prejudice as related to social class and religiosity, Sociol. & Soc. Res, 3-4/59; co-auth, A comparison of mailed questionnaires and subsequent structured interviews, Pub. Opinion Quart, spring 65; auth, Social class affiliation and ethnic prejudice, Int. J. Comp. Sociol, 9/67. Address: 7919 Glenties Lane, Sunland, Calif. 91040.
- ROSENBLUM, DR. GERSHEN, b. Boston, Mass, Jan. 23, 24; m. 51; c. 3. CLINICAL PSYCHOLOGY. A.B., Harvard, 47; M.A., Boston, 49, U.S. Pub. Health Serv. fel, 50-52, Ph.D.(clin. psychol), 55. Asst. psychologist, Mass. Gen. Hosp, Boston, 53-55; chief psychologist, psychiat. serv, N.Eng. Med. Center, 55-59; prin. psychologist, Medfield State Hosp, 59-60; chief psychologist, South Shore Ment. Health Center, Quincy, 60-67; REGIONAL MENT. HEALTH ADMINSTR, MASS. DEPT. MENT. HEALTH, 67- Res. psychologist, James J. Putnam Children's Center, Boston, 53-57; clin. assoc, Boston, 58; lectr. Northeastern, 59-61. Consult, Barnstable Child Guid. Clin, 55-67; Spurwink Sch. for Emotionally Disturbed, Portland, Maine, 60-; Vet. Admin. Hosp, Brockton, Mass, 67- Dipl., Am. Bd. Exam. Prfl. Psychol, 61. U.S.A., 43-46, Sgt. Psychol. Asn; Orthopsychiat. Asn. Emotional disorders in children and adults; mental retardation; community mental health. Publ: Co-auth, From child guidance to community mental health, 64 & auth, The new role of the clinical psychologist in a community mental health center, 68, Community Ment. Health J; co-auth, Community psychology: report on Boston conf, Boston Univ. & South Shore Ment. Health Center, 66. Address: 15 Bemis St, Newtonville, Mass. 02160.
- ROSENBLUM, DR. JEROME, b. New York, N.Y., Oct. 1, 27; m. 58; c. 4. CLINICAL PSYCHOLOGY. B.A., Virginia, 53; M.A., North Carolina, 55; grant, Ohio State, 57-59; Ph.D.(clin. psychol), Fla. State, 59. Psychol. consult, Bay County Child Guid. Clin, Fla, 58-59; staff psychologist, Wayne Medina Holmes Guid. Center, 59-62; psychologist-dir, Indian River Ment. Health Clin, Ft. Pierce, Fla, 62-67; CHIEF PSYCHOLOGIST, CHILD GUID. CLIN. PINELLAS COUNTY, 67- Lectr, Col. Wooster, 61. Private practice, 59-; consult. psychologist, Richland County Child Welfare Bd, 61- C.Eng., U.S.A., 45-47. Psychol. Asn. Effects of behavioral changes in psychotherapeutic situations; anxiety, conditioning and personality changes. Publ: How to explain death to a child, Int. Order Golden Rule, 63. Address: Child Guidance Clinic of Pinellas County, Inc, 4032 Central Ave, St. Petersburg, Fla. 33711.
- ROSENBLUM, DR. LEONARD ALLEN, Psychol, see Suppl. V to 11th ed, Phys. & Biol. Vols.
- ROSENBLUM, DR. LEWIS J(ACOB), b. Brooklyn, N.Y., Nov. 15, 23; m. 52; c. 3. CLINICAL PSYCHOLOGY. A.B., Los Angeles State Col, 50; Brooklyn Col, 50-51; Ph.D.(clin. psychol), Yeshiva, 59. Psychol. intern, Dixon State Hosp, 51-52; rehab. counsr, Seton Hosp, 52-53; asst. psychologist, N.J. Neuro-Psychiat. Inst, 53-55; sch. psychologist, North Brunswick Bd. Ed, 55-59; prin. psychologist, Essex County Guid. Center, 59-61; CHIEF PSYCHOLOGIST & ASST. DIR, FAIR-LAWN MENT. HEALTH CENTER, 61- Private practice, 55-; consult. psychologist, Occup. Center Union County & Greystone State Hosp, 67-; consult. chief psychologist, Lakeland Guid. Center, 67- Dipl. in clin. psychol, Am. Bd. Exam. Prfl. Psychol, 66. U.S.A., 43-46. Psychol. Asn. Differential diagnosis of emotional problems and psychoanalytically oriented psychotherapy with children, adolescents and adults; play and group therapy; marital counseling; juvenile delinquency; childhood schizophrenia; mental retardation; gifted children; slow learners; rehabilitation. Address: 371 Wyoming Ave, Millburn, N.J. 07041.
- ROSENBLUM, DR. SIDNEY, b. Paterson, N.J., May 3, 25; m. 53; c. 2. DEVELOPMENTAL PSYCHOLOGY. B.A., Drew, 49; M.A., Ohio State, 51; Ph.D. (child psychol), Iowa, 53. Trainee clin. psychol, U.S. Vet. Admin. Hosp, Chillicothe, Ohio, 49-51; asst. child welfare, Iowa, 51-53; dir. dept. psychol, Wayne County Training Sch, Mich, 53-59, res. & psychol. serv, 59-60; chief psychol. training, Jewish Nat. Home Asthmatic Children & Children's Asthma Res. Inst. & Hosp, 60-62; ASSOC. PROF. PSYCHOL, NEW MEXICO, 62-, asst. dean grad. sch, 63-66. Asst. prof, Wayne State, 55-60; faculty mem, Colorado, 60-62; summer vis. lectr, Arkansas, 53. Consult, West, Interstate Conf. Higher Ed, 60-; child psychol. consult, Head Start, Indian Community Action Prog, 67- U.S.A., 43-46. Psychol. Asn; fel. Soc. Res. Child Develop; fel. Asn. Ment. Deficiency. Learning in children; behavior modification with disturbed children. Publ: Practices and problems in the use of tranquilizers with exceptional children, In: Readings in exceptional children: theory and research; The effects of differential reinforcement and motivation on prediction responses of children, Child Develop; "Compazine" vs. placebo: a controlled study with educable, emotionally, disturbed children, Am. J. Ment. Deficiency. Address: Dept. of Psychology, University of New Mexico, Albuquerque, N.Mex. 87106.
- ROSENBLUM, PRES. VICTOR G(REGORY), b. New York, N.Y., June 2, 25; m. 46; c. 6. POLITICAL SCIENCE. A.B., Columbia, 45, LL.B., 48; Haynes Found. fel, California, 52-53, Ph.D.(polit. sci), 53. Lectr. polit. sci, California, 49-52, asst. prof, 53-57; assoc. prof. polit. sci. & law, Northwestern, 57-63, prof, 63-68, dir. prog. in law & soc. sci, 63-68; PRES, REED COL, 68- Staff assoc, Govt. Affairs Inst, 53; assoc. counsel, cmt. govt. ops, U.S. House Reps, 57-58; vis. Fulbright prof, sch. law, Louvain, 66-67. Consult, Fund for Adult Ed, 55-56; sr. legal consult, proj. bankruptcy, govt. studies div, Brookings Inst, 64- Polit. Sci. Asn; Bar Asn; Law & Soc. Asn. Public law and government; administration of justice and bankruptcy; law and poverty; constitutional renewal. Publ: Law as a political instrument, Random, 55; Justiciability and justice, Catholic Univ. Law Rev, 5/66; Controlling the bureaucracy of the antipoverty program, Law & Contemporary Probs, winter 66. Address: Reed College, Portland, Ore. 97202.
- ROSENBLUTH, PROF. GIDEON, b. Berlin, Germany, Jan. 23, 21; nat. Can; m. 44; c. 2. ECONOMICS. B.A., Toronto, 43; univ. fel, Columbia, 47-48, 48-49, Soc. Sci. Res. Coun. fel, 50, Ph.D.(econ), 53. Asst. economist, wartime prices & trade bd, Can. Govt, 43-46, statistician, Dom. Bur. Statist, 46-48; lectr. econ, Princeton, 49-50; res. assoc, Nat. Bur. Econ. Res, N.Y., 51-52; asst. prof. ECON, Stanford, 52-54; assoc. prof., Queen's (Ont), 54-62; PROF, BRITISH COLUMBIA, 62- Can. Coun. sr. res. fel, 61-62; Ford Found. res. fel, 67-68. Mem, Task Force Struct. Can. Indust, 67. Am. Econ. Asn; Economet. Soc; Can. Econ. Asn; Royal Econ. Soc. Statistics, especially concentration and monopoly, business cycles and income distribution. Publ: Concentration in Canadian manufacturing industries; co-auth, Canadian anti-combines administration 1952-1960; auth, The Canadian economy and disarmament, Macmillan, 67. Address: Dept. of Economics, University of British Columbia, Vancouver, B.C., Can.
- ROSENCRANZ, PROF. HOWARD A(LEX), b. Winona, Minn, Apr. 4, 20; m. 48. SOCIOLOGY, PSYCHOLOGY. Ph.D., Mich. State, 60. Instr. soc. sci, Mich. State, 47-55; res. assoc. soc. psychol, MISSOURI, COLUMBIA, 60-61, asst. prof. SOCIOL. & PSYCHOL, 61-62, assoc. prof, 62-64, PROF, 64- Co-dir, U.S. Pub. Health Serv. res. grant, 66-68. V-pres, Midwest Coun. Res. Aging, 66-67. U.S.A., 42-46. Sociol. Asn; Geront. Soc. Role theory; interpersonal perception; differential role perceptions of older people. Publ: Co-auth, Studies in the role of the public school teacher; Effects of perceptual frames of reference, Gerontologist, 6/67. Address: Sociology Bldg, University of Missouri, Columbia, Mo. 65201.
- ROSENFELD, DR. EVA, b. Warsaw, Poland, Aug. 5, 15; nat. BEHAVIORAL SCIENCE. LL.M., Warsaw, 38; Soc. Sci. Res. Coun. fel, 47-49; Ph.D., Columbia, 52. Res. assoc, bur. appl. soc. res, Columbia, 44-46, instr. sociol, Bard Col, 46-47; res. asst. prof, grad. sch. psychol, N.Y. Univ, 52-57; assoc. dir. res, Jewish Bd. Guardians, 57-68; FREE LANCE WRITER, 68- Sociol. Asn. Evaluation of psychotherapy with children. Publ: The road to H: narcotics, delinquency and social policy, Basic Books, 64; Institutional change in Israeli collectives; Criteria for evaluating progress in psychotherapy. Address: 7 Washington Square N, New York, N.Y. 10003.

ROSENFELD, DR. HOWARD M (ARTIN), b. Portland, Ore, Mar. 25, 34; m. 60; c. 3. SOCIAL PSYCHOLOGY. B.A., Stanford, 56, Woodrow Wilson fel, 56; M.A., Michigan, 58, Nat. Sci. Found. fel. & Ph.D. (soc. psychol), 61. Study dir. soc. psychol, inst. soc. res, Michigan, 60-61; asst. prof. PSYCHOL, KANSAS, 61-66, ASSOC. PROF., 66-, RES. ASSOC. CHILD RES, 61-, dir. soc. psychol. prog, 66-68. Co-dir. res. proj., Off. Econ. Opportunity Proj. Head Start, 65-66; dir. proj., univ. biomed. res. fund grant, Kansas, 66-67, dir. proj. Head Start Center, 66-67, dir. proj. univ. gen. res. fund grant, 66-67. AAAS: Psychol. Asn; Soc. Res. Child Develop. Human social behavior; experimental analysis and modification. Publ: Co-auth, Arousal of need for affiliation in women, 66 & auth, Approval-seeking and approval-inducing functions of verbal & nonverbal responses, 66, J. Personality & Soc. Psychol; Nonverbal reciprocation of approval: an experimental analysis, J. Exp. Soc. Psychol, 67. Address: Dept. of Psychology, University of Kansas, Lawrence, Kans. 66044.

ROSENFELD, JOEL M. b. New York, N.Y., Sept. 27, 31; m. 54; c. 4. ORGANIZATIONAL BEHAVIOR, CHEMISTRY. B.S. Queens Col. (N.Y.), 53; M.S., Union Col. (N.Y.), 66. Chemist, Sperry Gyroscope Co, 56-63; GEN. ELEC. CO, 63-66, specialist, 66-67, MGT, 67- Lectr., Union Col. (N.Y.), 67-68, adj. asst. prof, 68- U.S.A., 54-56. Publ: Co-auth, Management theory Z applied to systems of management training, salary and wage and promotion, Personnel J, 11 65, Hydrolysis study of organic acid anhydrides by differential thermal analysis, Talanta, 2/67 & R&D planning in the decentralized organization, Res. Mgt, 11-12/67. Address: 305 Eastern Ave, Chelsea, Mass. 02150.

ROSENFELD, DR. LAWRENCE WILLIAM, Speech, Commun, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

ROSENGREN, PROF. WILLIAM RUDOLPH, b. Grand Rapids, Mich, Oct. 29, 29; m. 61. SOCIOLOGY, SOCIAL PSYCHOLOGY. A.M., Chicago, 53; D.S.Sc., Syracuse, 58; M.A., Brown, 63. Instr. sociol, Wake Forest Col, 57-58; res. sociologist, E.P. Bradley Hosp, 58-61; from lectr. to asst. prof, SOCIOL, Brown, 60-63, assoc. prof, 63-64; Western Reserve, 65-67; RHODE ISLAND, 67-68. PROF. & CHMN. DEPT. 68- Fulbright res. scholar, Aberdeen, 64-65. U.S.A., 54-56. Sociol. Asn. Complex organizations; medicine. Publ: Co-auth, Clients and organizations, Am. Sociol. Rev, 66; auth, Structure, policy and style, Admin. Sci. Quart, 67; Organizational size, structure and orientations, Soc. Forces, 68. Address: Dept. of Sociology, University of Rhode Island, Kingston, R.I. 02821.

ROSENKRANTZ, DR. PAUL S (OLOMON), b. Moscow, U.S.S.R., June 23, 16; U.S. citizen: m. 50; c. 3. PSYCHOLOGY. B.S., Springfield Col, 58; M.A., Clark, 60, Ph.D. (psychol), 62. Asst. prof. PSYCHOL, COL. HOLY CROSS, 62-66, ASSOC. PROF., 66- Psychol. Asn. Male-female differences; impression formation. Publ: Co-auth, Some factors influencing the assimilation of disparate information, 9/65 & Cognitive complexity, value congruity, 3/66, J. Personality & Soc. Psychol; co-auth, Sex role stereotypes and self concept, J. Consulting Psychol, (in press). Address: Dept. of Psychology, College of the Holy Cross, Worcester, Mass. 01610.

ROSENMAN, DR. STANLEY, b. New York, N.Y., May 29, 23; m. 53; c. 1. CLINICAL PSYCHOLOGY. B.A., Brooklyn Col, 46; Ph.D. (clin. psychol), Harvard, 53. Counsr, bur. study counsel, Harvard, 50-51; res. psychologist, Nat. Opinion Res. Center, 52-53; clin. psychologist, portal house, Chicago Cmt. Alcoholism, 52-54; private practice, 54-; asst. prof. student life, div. testing & guid, City Col. New York, 54-56; clin. psychologist, Kings County Hosp, 56-57. U.S.A., 43-46. Psychol. Asn; Group Psychother. Asn. Psychoanalytic theory; psychotherapy; mythology; self-enhancement and encounter groups for normal individuals. Publ: Toward a theory of the ego, Psychoanal. Rev; Skid row alcoholism and the negative ego ideal, Quart. J. Studies Alcohol; Paradox of guilt in disaster victim populations, Psychiat. Quart. Address: 55 E. 86th St, New York, N.Y. 10028.

ROSENQUIST, PROF. CARL M (ARTIN), b. S. Dak., June 2, 95; m. 30; c. 2. SOCIOLOGY. B.S., Illinois, 21; A.M., Texas, 25; Ph.D., Chicago, 30. From tutor to asst. prof, Texas, 25-34; asst. chief rice & sugar sect, Agr. Adjust. Admin, 34, chief agr. economist, 34-35; assoc. prof. SOCIOL, TEXAS, AUSTIN, 35-36, prof, 37-65, EMER. PROF., 65. Price officer, Off. Price Admin, 42-43. Ed-in-chief, Southwest. Soc. Sci. Quart, 39-41. Sociol. Asn; Pop. Asn. Population. Publ: Social problems; co-auth, Fundamentals of sociology. Address: 12 Davenport Court, San Rafael, Calif. 94901.

ROSENQUIST, DR. HENRY SYDOW, b. Manila, Philippines, Apr. 12, 24; m. 46; c. 1. PSYCHOLOGY. B.S., Columbia, 49, M.A., 50; Ph.D. (psychol), Tulane, 64. Res. scientist, HumRRO, George Washington, 53-61; ASST. PROF., Central Michigan, 64-65; AKRON, 65-, faculty res. grant motor learning, 67-68. Res. grant, Ohio Hwy. Dept.-Fed. Bur. Pub. Rd, 66-67. U.S.A.A.F., 43-46, Sgt. Psychol. Asn. Military training; motor learning and musical response measures. Publ: Co-auth, A simple skills device for research on learning and memory, 63 & auth, The visual response component of rotary pursuit tracking, 65, Perceptual & Motor Skills; co-auth, Supplementary feedback in rotary pursuit tracking, J. Exp. Psychol, 64. Address: Dept. of Psychology, University of Akron, Akron, Ohio 44304.

ROSENSEN, DR. ALEXANDER M (OSSES), Int. Econ, see 10th ed, Soc. & Behav. Vols.

ROSENSTEEL, DR. RICHARD K (ING), b. Sewickley, Pa., Mar. 11, 30; m. 51; c. 3. INDUSTRIAL PSYCHOLOGY. B.A., Otterbein Col, 52; M.A., Bowling Green State, 53; Int. Harvester Co. fel, Purdue, 54-55, Ph.D. (indust. psychol), 55. Sr. staff specialist, Gen. Motors Inst, Gen. Motors Corp, 57-62; admin. asst, 62-64; supvr. res. & anal. sect, PERSONNEL & ORGN. STAFF, FORD MOTOR CO, 64-66, MGR. PERSONNEL RES. & ANAL. DEPT., 66- U.S.A., 55-57, Res, 57-62, 1st Lt. Psychol. Asn. Behavioral research; manpower planning and analysis; equal employment opportunity. Address: Ford Motor Co, Room 436, American Rd, Dearborn, Mich. 48121.

ROSENSTEIN, DR. ALVIN J (AY), b. New York, N.Y., Jan. 3, 31; m. 58. PSYCHOLOGY. A.B., Michigan, 52; M.A., Illinois, 55, Ph.D., 58. Sr. clin. psychol.

chologist, Norwich State Hosp, Conn, 58-59; chief TV appl. sect, U.S. Army Pictorial Center, N.Y., 59-60; head TV res, McCann-Erickson, Inc, 60-61; asst. dir. mkt. & soc. res, Psychol. Corp, N.Y., 61-64; corp. assoc. mgr. mkt. res. serv, Gen. Foods Corp, 64-66; V.PRES. MKT. RES, KENYON & ECKHARDT, INC, 66- Dipl. indust. psychol, Am. Bd. Exam. Prfnl. Psychol, 66. Sig.C., U.S.A., 55-57, Res, 57- Psychol. Asn; Asn. Pub. Opinion Res. Communications, advertising and marketing research; effects of motivation on perception and learning; experimental study of personality. Publ: Psychometric vs. physiological anxiety and serial learning, J. Personality; Television and army training: color vs. black and white, Audio-Visual Comm. Rev. Address: 130 Pelham Shore Rd, New Rochelle, N.Y. 10805.

ROSENSTEIN, DR. JOSEPH, Audiol, Psychol, see 10th ed, Soc. & Behav. Vols.

ROSENSTEIN, DR. J (UDA) L (OUI), Psychol, see 10th ed, Soc. & Behav. Vols.

ROSENSTIEL, PROF. ANNETTE, b. Jersey City, N.J., June 29, 11; m. 43; c. 1. ANTHROPOLOGY, SOCIOLOGY. A.B. Hunter Col, 38; scholar, N.Y. Univ. 37-38, M.A., 41; Am. Asn. Teachers of French scholar, Mills Col, 40; Ph.D. (anthrop), Columbia, 53. Instr. anthrop, Hunter Col, 54-55; asst. prof. anthrop, ed. & mod. langs, N.Y. Univ, 54-59; prof. anthrop, mod. langs. & sociol, MILLS COL. OF ED, 59-66, PROF. BEHAV. SCI. & CHMN. DIV., 66-, CHMN. DIV. MOD. LANG., 66- N.Y. State faculty fel. int. affairs, 66-68; summers, Columbia Inst. Latin Am. Studies faculty res. grant, Colombia, S.A.M., 67, N.Y. State Ed. Dept. independent reading grant, Center Int. Progs. & Serv, 68. Consult, Solar Stove proj, 55; Community-Teachers Rels, 56; North Shore Child Guid. Clin. 60. W.A.C., 43-46, Capt. Fel. AAAS; Ethnol. Soc; fel. Anthropol. Asn; N.Y. Acad. Sci; Asn. Teachers French; Comp. Ed. Asn; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Acculturation; cultural dynamics; education; modern languages; linguistics; minority problems; role of women in modern society; underdeveloped areas. Publ: Educational anthropology: a new approach to cultural analysis, Harvard Ed. Rev, winter 54; Re-education: a new approach to integration, J. Negro Ed. fall 59; Anthropology and childhood education, Sch. & Soc, 11/59. Address: Mills College of Education, 66 Fifth Ave, New York, N.Y. 10011.

ROSENSTOCK, PROF. IRWIN M (URRAY), b. New York, N.Y., June 15, 25; m. 46; c. 4. SOCIAL PSYCHOLOGY. B.S., City Col. New York, 46; M.A., California, Berkeley, 47, U.S. Pub. Health Serv. fel, 47-49, Ph.D. (psychol), 49. Asst. prof. psychol, Haverford Col, 49-51, res. assoc, 50; res. psychologist, U.S. Pub. Health Serv, 51-57, chief behav. studies sect, 57-61; assoc. prof. pub. health, SCH. PUB. HEALTH, MICHIGAN, 61-65, PROF. PUB. HEALTH ADMIN, 65- Res. asst, Swarthmore Col, 50-51; instr, American Univ, 51-52; vis. prof, Howard, 53. Consult, Inst. for Res. Human Rels, 49-50. Superior Serv. award, U.S. Dept. Health, Ed. & Welfare, 61. Psychol. Asn; Pub. Health Asn. Social psychology; motivation of health behavior. Publ: Why people use health services, Milbank Mem. Fund Quart, Vol. XLIV, 3, part 2, 7/66; co-auth, Public knowledge, opinion & action concerning three public health issues: radioactive fallout, insect and plant sprays and fatty foods, Vol. 7, summer 66 & A national study of health beliefs, Vol. 7, winter 66, J. Health & Human Behav. Address: School of Public Health, University of Michigan, 122 S. First St, Ann Arbor, Mich. 48108.

ROSENTHAL, DR. ALAN G (ERALD), Psychol, see 10th ed, Soc. & Behav. Vols.

ROSENTHAL, DR. ALBERT H, b. Denver, Colo, Nov. 26, 14. POLITICAL SCIENCE, PSYCHOLOGY. B.A., Denver, 36; Rockefeller Found. fel, Minnesota, 36-37, M.A., 38; Littauer fel, Harvard, 39-41, Ph.D. (govt), 49. Admin. asst. to dir, U.S. Soc. Security Bd, 37-40; asst. dir, off. UN ed, sci. & cultural orgn. rels, U.S. Dept. State, 46-48; dir. & prof, sch. pub. admin, Denver, 48-51; regional dir, U.S. Dept. Health, Ed. & Welfare, 51-64; vis. prof, Trinity Col. (Dublin), 64-65; PROF. pub. admin, Minnesota, 65-67, POLIT. SCI., NEW MEXICO, 67-, DIR. PROG. PUB. SCI. POLICY & ADMIN, 68- Lectr., Harvard & Stanford, 51-52. Adv. UN, Ireland, 64. Summer consult, U.S. Bur. Budget, 64 & Manned Space Center, NASA, 66. Rockefeller pub. serv. award, 56. U.S.N., 42-46, Lt. Comdr. Polit. Sci. Asn; Soc. Pub. Admin. (pres, 51). Administration of public health and welfare programs; international administration; public administration. Publ: Social programs of Sweden: a search for security in a free society, Univ. Minnesota, 67; The Ombudsman—Swedish grievance man, 12/64; ed, Intergovernmental relations, 2/68, Pub. Admin. Rev. Address: Dept. of Political Science, 2149 Mesa Vista Hall, University of New Mexico, Albuquerque, N.Mex. 87106.

ROSENTHAL, DR. DAVID, b. New York, N.Y., July 19, 16; m. 50; c. 3. PSYCHOLOGY. A.B., Akron, 41; M.A., George Washington, 47; Ph.D. (psychol), Chicago, 52. Res. assoc. psychol, William A. White Psychiat. Found, 47-49; from instr. to asst. prof. med. psychol, Hopkins, & psychologist, Hopkins Hosp, 51-55; res. psychologist, LAB. PSYCHOL, NAT. INST. MENT. HEALTH, 56-66, CHIEF, 67- Lectr. & consult, State Dept. Correction, Md, 55- U.S.A., 42-45; U.S.P.H.S.R., 56-, Scientist. Psychol. Asn. Hereditary and psychological factors in schizophrenia; evaluation of psychotherapy; personality development. Publ: Ed, The Genain quadruplets, Basic Books, 63; co-ed, The transmission of schizophrenia, Pergamon, 68; auth, The offspring of schizophrenic couples, J. Psychiat. Res, 12/66. Address: Laboratory of Psychology, National Institute of Mental Health, Bldg. 10, Room 2N-238, Bethesda, Md. 20014.

ROSENTHAL, DR. DONALD B, b. Brooklyn, N.Y., July 14, 37. POLITICAL SCIENCE. B.A., Brooklyn Col, 58; M.A., Chicago, 60, Ph.D. (polit. sci.), 64; fel, Am. Inst. Indian Studies, 63-64. Asst. prof. POLIT. SCI., STATE UNIV. N.Y. BUFFALO, 64-68, ASSOC. PROF., 68- Cmt. South. Asian Studies fel, Chicago, 66-67. Polit. Sci. Asn; Asn. Asian Studies; Soc. Pub. Admin. Urban government in the United States; comparative politics, India. Publ: Co-auth, The politics of community conflict, Bobbs, 68; Community status as a dimension of local decision-making, Am. Sociol. Rev, 12/67; auth, Decision-making in Indian city government, In: Community power and decision-making, Chandler Pub. 68. Address: Dept. of Political Science, State University of New York at Buffalo, 4238 Ridge Lea Campus, Buffalo, N.Y. 14226.

ROSENTHAL, PROF. ERICH, b. Wetzlar, Germany, Sept. 6, 12; nat; m. 47; c. 2. SOCIOLOGY. M.A., Chicago, 42, Soc. Sci. Res. Coun. fel, 42-43, Ph.D.,

48. Res. assoc. Chicago, 48-49, 50-51; asst. prof. Iowa, 49-50; instr. SO-CIOL. QUEENS COL. (N.Y.), 51-56, asst. prof. 56-59, assoc. prof. 60-64, PROF. 65- Fund Adv. Ed. fel. 55-56; dept. supvr. sch. gen. studies, Queens Col. (N.Y.), 59-, grad. adv. sociol. grad. prog. 64-; Nat. Found. Jewish Culture, Inc. res. grant, 62; Nat. Coun. Jewish Women Solomon fel. 63; Mem. grad. sociol. faculty, City Univ. N.Y., 65-; Am. Jewish Year Book summer res. grants, 60-64, 66. Sociol. Asn; Pop. Asn. Urban community; demography; race relations; family. Publ: Jewish intermarriage in the United States, 63 & Jewish intermarriage in Indiana, 67, Am. Jewish Year Book; Acculturation without assimilation?, Am. J. Sociol., 60. Address: 15 Longview Place, Great Neck, N.Y. 11021.

ROSENTHAL, DR. GERALD D., b. Reading, Pa., Jan. 2, 34; m. 58; c. 1. ECONOMICS. A.B. Cornell, 58, S.M., 59; Ph.D. (econ), Harvard, 63. Instr. ECON, Boston, 60-61; Harvard, 62-64, asst. prof. 64-67; ASSOC. PROF. BRANDEIS; 67- Consult. Bur. Budget, 66-; Dept. Health, Ed. & Welfare, 67- Mem. chronic renal disease cmt. Bur. Budget, 66-67. U.S.A., 55-57, Res. 57-65. Econ. Asn; fel. Pub. Health Asn; Indust. Rels. Res. Asn. Economics of health and welfare; human resources; poverty; labor; bargaining and strategy; process of planning. Publ: The demand for general hospital facilities, Am. Hosp. Asn., 9/65; The measurement of poverty, In: Conceptual problems in poverty, Basic Books, 68; The operational structure of the medical care industry, In: Compendium on human resources, Joint Econ. Cmt., 2/68. Address: 106 Lorimer Rd, Belmont, Mass. 02179.

ROSENTHAL, DR. JOEL T., Medieval Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

ROSENTHAL, DR. MELVIN, b. Lynn, Mass., June 23, 20; m. 52; c. 2. CLINICAL PSYCHOLOGY. B.A. Boston, 49, M.A., 52, Ph.D., 54. Clin. psychol. trainee, Vet. Admin., 50-53; clin. psychologist, Brockton Vet. Admin. Hosp., Mass., 54-57; CHIEF. CLIN. PSYCHOLOGIST, UNIV. HOSP. & MED. SCH., BOSTON, 57-, ASSOC. PROF. PSYCHIAT. MED. SCH. & CLIN. PSYCHOL., GRAD. SCH., 66- Consult. Daniel Webster Home for Children, 54-59; S.Shore Guid. Center, 58-; Spaulding Youth Center, 59- Dipl., Am. Bd. Exam. Prfnl. Psychol. U.S.A., 42-46, Capt. Fel. Psychol. Asn. Group processes; community organization and consultation. Publ: Failure to return for treatment in tested and nontested clinic patients, J. Consult. Psychol.; Some behavioral correlates of the Rorschach experience balance, J. Proj. Tech., 62; International psychiatry clinics, In: The psychologist in the general hospital, 66. Address: 126 Grant St, Lexington, Mass. 02173.

ROSENTHAL, PROF. ROBERT, b. Giessen, Germany, Mar. 2, 33; nat; m. 51; c. 3. CLINICAL PSYCHOLOGY. A.B. California, Los Angeles, 53, Loewy fel. 55-56, Ph.D. (psychol.), 56. Trainee psychol. U.S. Vet. Admin., 54-57; lectr. Southern California, 56-57; acting instr. California, Los Angeles, 57; asst. prof. North Dakota, 57-58, assoc. prof. 58-62; lectr. clin. psychol. HARVARD, 62-67, PROF. SOC. PSYCHOL., 67- Vis. assoc. prof. Ohio State, 60-61. AAAS (sociol.-psychol. prize, 60); Psychol. Asn. (Cattell fund award, 67); fel. Soc. Proj. Tech. Social psychology of behavioral research; non-verbal influence processes; research methodology; personality assessment. Publ: Experimenter effects in behavioral research, Appleton, 66; Pygmalion in the classroom, Holt, 68. Address: Dept. of Social Relations, Harvard University, Cambridge, Mass. 02138.

ROSENTHAL, DR. THEODORE, b. New York, N.Y., Mar. 17, 36; m. 67. PSYCHOLOGY. A.B. North Carolina, 56; Ford Found. fel. Stanford, 57-58, U.S. Pub. Health Serv. trainee, 59-60, Ph.D. (psychol.), 63. Nat. Inst. Ment. Health spec. res. fel. Maudsley Inst. Psychiat., Univ. London, 66-67; ASST. PROF. PSYCHOL. ARIZONA & RES. ASSOC. EARLY CHILDHOOD, ED. LAB., 67- Dir. psychol. training, South. Ariz. Ment. Health Center, 67- U.S.A., 63-66, Capt. Psychol. Asn. Susceptibility to social influence; magical processes; behavior modification; social learning and vicarious processes. Publ: Co-auth. Vicarious classical conditioning as a function of arousal level, J. Personality & Soc. Psychol., 3: 54-62; auth. Severe stuttering and maladjustment treated by desensitization and social influence, 68 & co-auth. Programming behavior change and reintegration into school milieu of extreme adolescent deviates, (in press), Behav. Res. & Ther. Address: Dept. of Psychology, University of Arizona, Tucson, Ariz. 85721.

ROSENTHAL, DR. VIN, b. Chicago, Ill., Feb. 17, 28; m. 48; c. 2. PSYCHOLOGY. B.A. Roosevelt, 50; M.S. Ill. Inst. Tech., 51, Ph.D. (psychol.), 55. Asst. psychologist, psychiat. inst. Munic. Court Chicago, Ill., 52; sr. psychologist, ment. hyg. sect. Chicago Bd. Health, 52-53; from asst. to res. assoc. psychiatrist, Ill. Neuropsychiat. Inst., col. med. Illinois, 53-55, res. assoc., 55; from instr. to asst. prof. neurol. & psychiat. med. sch. Northwestern, 55-66; ASSOC. PROF. PSYCHOL. NORTHEAST. ILL. STATE COL., 66- Asst. Ill. Inst. Tech., 50-51, instr. eve. div., 55-56. U.S.N.R., 45-46. AAAS; Psychol. Asn; Sociol. Asn. Personality and psychotherapy. Co-auth. Study of head-banging in infants and children, J. Diseases & Nervous Syst; What are normal medical students like?, J. Med. Ed; Hypnotic simulation of organic brain damage, J. Abnorm. & Soc. Psychol., 11/64. Address: 612 N. Michigan, Chicago, Ill. 60611.

ROSENWALD, DR. GEORGE C(HARLES), b. Vienna, Austria, Dec. 13, 32; nat. CLINICAL PSYCHOLOGY. B.A. City Col. New York, 53; M.S. Yale, 54, Ph.D. (psychol.), 58. Fel. clin. psychol. Yale, 57-58; instr. PSYCHOL. MICHIGAN, 58-60, asst. prof. 60-65, ASSOC. PROF. 65- Found. Fund res. fel. 60-; lectr. Harvard, 62-64; asst. dir. Mass. Ment. Health Center, 62-64. Consult. Vet. Admin., 59- Psychol. Asn; fel. Soc. Proj. Tech. & Personality Assessment. Personality; psychopathology; deviant social behavior; theory of self-expression; psychodiagnostic theory, practice, research; anxiety, conflict and defense-effectiveness; intergenerational tensions and identity; history of psychology; psychoanalysis. Address: Dept. of Psychology, University of Michigan, Ann Arbor, Mich. 48104.

ROSENZWEIG, PROF. MARK R(ICHARD), Psychol, see 11th ed, Phys. & Biol. Vols.

ROSENZWEIG, DR. NORMAN, Psychiat, see 11th ed, Phys. & Biol. Vols.

ROSENZWEIG, DR. ROBERT M(YRON), b. Detroit, Mich., Aug. 27, 31; m. 53; c. 2. POLITICAL SCIENCE. B.A. Michigan, 52, M.A., 53; Ph.D. (polit. sci.), Yale, 56. Instr. polit. sci. Amherst Col., 55-57; prog. officer, U.S. Off. Ed., 58-61, special asst. Cmnr. 61-62; assoc. dean grad. div. STANFORD, 62-67, LECTR., 63-, ASSOC. PROVOST & DIR. CENTER RES. INT. STUDIES, 67- Am. Polit. Sci. Asn. cong. fel. 57-58. Mem. bd. dirs. Far West Regional Lab. Ed. Res. & Develop., 66- Polit. Sci. Asn. American politics; recruitment to political careers; government policy and higher education. Publ: Co-auth. The federal interest in higher education, McGraw, 63. Address: 1462 Dana, Palo Alto, Calif. 94301.

ROSENZWEIG, DR. SANFORD, b. Brooklyn, N.Y., Jan. 4, 31; m. 55; c. 2. PSYCHOLOGY. B.A. Michigan, 53; M.A. Wayne State, 57; Ph.D. (psychol.), Indiana, 60. Staff psychologist, Vet. Admin. Hosp., Montrose, N.Y., 59-62; assoc. res. scientist, col. dent. N.Y. Univ., 62-66; ASST. PROF. SCH. DENT. MED., TUFTS, 66- U.S.A., 53-55. AAAS; Psychol. Asn. Psychological stress as a teratogenic agent; psychosomatic disease. Publ: Psychological stress in cleft palate etiology, J. Dent. Res., 66. Address: Tufts University School of Dental Medicine, 136 Harrison Ave, Boston, Mass. 02111.

ROSENZWEIG, PROF. SAUL, b. Boston, Mass., Feb. 7, 07; m. 41; c. 2. PSYCHOLOGY. A.B. Harvard, 29, M.A., 30, Ph.D. (psychol.), 32. Res. assoc. psychol. clin. Harvard, 29-34; Worcester State Hosp., Mass., 34-43; chief psychologist, West. State Psychiat. Inst. & Clin. Pittsburgh, Pa., 43-48; assoc. prof. PSYCHOL. & MED. PSYCHOL., WASHINGTON (ST. LOUIS), 49-51, PROF., 51-, chief psychologist, community child guid. clin., 49-59. Affiliate prof., Clark, 38-43; lectr. Pittsburgh, 43-48. Consult. ed. Psychol. Monographs, 48-57; adv. ed. J. Consult. Psychol., 59-64; J. Abnormal Psychol., 65-67. Consult. hist. life sci. Nat. Insts. Health, 64-68. Dipl., Am. Bd. Exam. Prfnl. Psychol. Psychol. Asn. Theory of personality and creativity; experimental psychodynamics; history of medical psychology; psychopathology. Publ: Rosenzweig picture-frustration study, 48; The place of the individual and of idiodynamics in psychology, J. Individual Psychol., 14: 3-20; William James and the stream of thought, In: Historical roots of contemporary psychology, Harper, 68. Address: Washington University, Box 1150, St. Louis, Mo. 63130.

ROSETT, PROF. RICHARD N(ATHANIEL), b. Baltimore, Md., Feb. 29, 28; m. 51; c. 5. ECONOMICS, STATISTICS. A.B. Columbia, 53; M.A., Yale, 54, Ph.D., 57. Instr. ECON, Yale, 57-58; asst. prof. ROCHESTER, 58-63, assoc. prof., 63-67, PROF., 67-, CHMN. DEPT., 66- Consult. Rand Corp., 57-60; Jewish Community Coun. Rochester, 60-61; Col. Entrance Exam. Ed., 65-67; Coun. Soc. Agencies of Rochester, 67- AAAS; Econ. Asn; Economet. Soc; Statist. Asn. Statistical analysis of household decision making and the development of methods for estimating indifference surfaces; measurement of utility and subjective probability. Publ: Gambling and rationality, J. Polit. Econ., 65; Estimating the utility of wealth from cell option data, Cowles Found. Monogr. 19, Wiley, 67; Friedman-Savage utility and convex acceptance sets: a reconciliation, Quart. J. Econ., 67. Address: Dept. of Economics, University of Rochester, Rochester, N.Y. 14627.

ROSHAL, DR. SOL M(EYER), Psychol, see 10th ed, Soc. & Behav. Vols.

ROSHOLT, DR. ROBERT LEROY, b. Pelican Rapids, Minn., Apr. 27, 29; m. 57; c. 3. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B. Luther Col. (Iowa), 51; M.A.P.A., Minnesota, 52, Ph.D. (polit. sci.), 65; London Sch. Econ., 58-59. Mgt. intern. Dept. Agr. D.C., 55-56; instr. soc. sci. Luther Col. (Iowa), 56-58; res. assoc. pub. admin. Minneapolis, 62-64; ASST. PROF. POLIT. SCI., COL. WOOSTER, 64- U.S.A., 52-54. Polit. Sci. Asn; Soc. Pub. Admin. Administration of the United States civilian space program. Publ: An administrative history of NASA, 1958-1963, NASA, Govt. Printing Off., 66. Address: Dept. of Political Science, College of Wooster, Wooster, Ohio 44691.

ROSHWALB, IRVING, b. New York, N.Y., Jan. 24, 24; m. 47; c. 4. STATISTICS. B.S. City Col. New York, 43; M.A. Columbia, 47. Lectr. statist. City Col. New York, 47-51; chief statistician, Opinion Res. Corp., 51-55; dir. res. AUDITS & SURV. CO. INC., 55-57, v. pres. & tech. dir., 57-65, SR. V.PRES., 65- Lectr. Rutgers, 52-54; N.Y. Univ., 58-62; Amos Tuck Sch. Bus. Admin., Dartmouth Col., 64- U.S.A., 43-46. Statist. Asn; Biomet. Soc; Asn. Pub. Opinion Res; Inst. Math. Statist. Sampling human population; public opinion measurement; market research. Publ: Techniques of world polling; Discount stores: a retailing phenomenon, 64 & Consumer decisions & voting verdict, 66, Audits & Surv. Address: 9 Sycamore Dr, Great Neck, N.Y. 11021.

ROSI, DR. EUGENE JOSEPH, b. Hartford, Conn., Jan. 20, 31; m. 58; c. 2. POLITICAL SCIENCE. B.A. Syracuse, 52, scholar. & M.A., 53; scholar, Hopkins Sch. Adv. Int. Studies, Bologna, 57-58; Rand Corp. fel. & Ph.D. (int. rels.), Columbia, 64. Instr. govt. Columbia, 61-62, 63-65; asst. prof. polit. sci., DICKINSON COL., 65-67, ASSOC. PROF. POLIT. SCI. & DIR. CENTER. INT. STUDIES, BOLOGNA, 67- U.S.N., 53-57, Lt. Polit. Sci. Asn. International politics; public opinion and communication; Western European politics. Publ: How fifty periodicals and the Times interpreted the test ban controversy, Journalism Quart., winter 64; Mass and attentive opinion on nuclear testing 1954-63, Pub. Opinion Quart., summer 65; Elite political communication: five Washington columnists on nuclear tests, Soc. Res., winter 67. Address: Dickinson College, Center for International Studies, Via Belmeloro 11, Bologna, Italy.

ROSKAMP, PROF. KARL W(ILHELM), b. Leer, Germany, Aug. 19, 23; nat; m. 57; c. 2. ECONOMICS. Fulbright fel. Michigan, 54-55, M.A., 55, univ. fel. 56-57, Ford Found. fel. 58-59, Ph.D., 60. Asst. ECON, center int. studies, Mass. Inst. Tech., 55-56; vis. asst. prof. Brandeis, 59-60; asst. prof. WAYNE STATE, 60-61, assoc. prof. 61-66, PROF., 66- Ford Found. faculty res. fel. 60-61. Econ. Asn; Int. Inst. Pub. Finance. Public finance; money and banking. Publ: Capital formation in West Germany, Wayne State Univ., 65; Factors influencing portfolio selection, Kyklos, 67; co-auth. Factor proportions, human capital and foreign trade, Quart. J. Econ., 2/68. Address: Dept. of Economics, Wayne State University, Detroit, Mich. 48202.

- ROSSELLEY, PROF. R(ICHARD) W(ELLING), b. Smithfield, Utah, May 30, 06. SOCIAL PSYCHOLOGY. B.S., Utah State Agr. Col., 32, M.S., 33; Ph.D., Wisconsin, 38. Prin. Latter Day Saints, Idaho, 34-35; asst. prof., Colo. Agr. & Mech. Col., 38-40, assoc. prof., 40-45, exten. sociologist, exp. sta., 38-45; assoc. prof. & exten. sociologist, exp. sta., State Col. Wash., 45-46; assoc. prof. SOCIOL. & SOC. WORK, UTAH STATE, 46-50, PROF., 50-, head dept. & dir. div. soc. work, 50, exten. sociologist, exp. sta., 46-50. Chief agr. div., U.S. Tech. Coop. Admin., Iran, 51-54. Sociol. Asn; Rural Sociol. Soc. Community organization; cultural and social psychological problems; population. Address: Dept. of Sociology, Utah State University, Logan, Utah 84321.
- ROSKO, DR. PETER, b. Smith Creek, Mich., Mar. 9, 28; m. 67; c. 2. FINANCE. B.S.E., Michigan, 51, M.B.A., 55, Ph.D. (bus. admin.), 64. Indust. engr., U.S. Rubber Co., 51; Russian transl., U.S. Civil Serv., 51-52; asst. prof. FINANCE, MINNESOTA, MINNEAPOLIS, 63-67, ASSOC. PROF., 67-, DIR. CONTINUING BUS. ED., 65- U.S.A.F., 52-53, 2nd Lt. Finance Asn; Mgt. Asn; Econ. Asn. Investment aspects of land contracts and other junior real estate debt obligations. Publ: Co-auth, Management factors contributing to the success or failure of new small manufacturers, Bur. Bus. Res., Grad. Sch. Bus. Admin., Univ. Michigan, 64. Address: School of Business Administration, University of Minnesota, Minneapolis, Minn. 55455.
- ROSLOW, DR. SYDNEY, b. New York, N.Y., July 29, 10; m. 32; c. 3. PSYCHOLOGY. Scholar, N.Y. Univ., 27-30, Ph.D., 35. Asst. mkt., personnel & test res., Psychol. Corp., 31-41; DIR, PULSE, INC., 41- Instr. State Ed. Dept., N.Y., 37-42; sch. psychologist, Bd. Ed., 37-42; res. asst., prog. surv. div., U.S. Dept. Agr., 40-43; lectr., grad. div., mkt. dept., City Univ. New York, 67- Fel. Psychol. Asn; Am. Asn. Pub. Opinion Res; World Asn. Pub. Opinion Res. Advertising; consumer-purchasing behavior; public opinion. Publ: Statistical analysis of rational learning problems, J. Genetic Psychol; Television coverage and listenership, TV Adv. & Prod. Handbook; A low-cost method for identifying TV audiences, J. Mkt., vol. 27, 4/63. Address: 6529 Cromwell Crescent, Rego Park, N.Y. 11374.
- ROSNER, DEAN BENJAMIN, b. U.S., Mar. 27, 30; m. 52. PSYCHOLOGY. B.A., Brooklyn Col., 50; fel. & M.A., Columbia, 54, Ed.D. (ed. psychol.), 56. Asst. Teachers Col., Columbia, 52-55; asst. dir. test construct. unit, Nat. League Nursing, N.Y., 55-57; asst. prof., ed. res. center, Buffalo, 57-58; ed. psychol., Rutgers, 58-59; ed., Brooklyn Col., 59-64; dir. div. test develop., Ed. Testing Serv., N.J., 64-67; UNIV. DEAN TEACHER ED., CITY UNIV. NEW YORK, 67- AAAS; Ed. Res. Asn; Psychol. Asn; Nat. Coun. Measurement in Ed; Psychomet. Soc. Educational and psychological tests and measurements; factorial analysis of human abilities; job analysis. Publ: Co-auth, Factor analysis, Rev. Ed. Res., 54; auth, Comments on the pre-service and inservice education programs in measurement for teachers, Twenty-fifth Ed. Conf., Ed. Records Bur., Am. Coun. Ed., 59. Address: Office of Teacher Education, City University of New York, 535 E. 80th St., New York, N.Y. 10021.
- ROSNER, PROF. BURTON STANLEY, Physiol. Psychol., see 11th ed, Phys. & Biol. Vols.
- ROSNER, DR. STANLEY, b. Yonkers, N.Y., July 6, 28; m. 55; c. 1. PSYCHOLOGY. B.A., N.Y. Univ., 50; M.A., Boston, 51; Ph.D. (psychol.), New Sch. Soc. Res., 56. Psychol. intern., Grasslands Hosp., Valhalla, N.Y., 51-52, jr. psychologist, 52-55; clin. psychologist, Manhattan State Hosp., 55-56; PSYCHOLOGIST, 58- Chief clin. psychologist, Child Guid. Clin., 56-60; fel. Postgrad. Center Ment. Health, N.Y., 63-67. Mem. Coun. Psychoanal. Psychotherapists. Dipl., Am. Bd. Exam. Prfl. Psychol., 61. Psychol. Asn; Soc. Proj. Tech; Orthopsychiat. Asn; Acad. Psychother. Projective techniques; sub-clinical organic damage; team approach to child psychotherapy; perception and brain damage. Publ: Consistency in response to group pressures, J. Abnorm. & Soc. Psychol; Inquiry: partial or total, J. Proj. Tech; Eclecticism in psychology and psychotherapy, J. L.I. Consult. Center, fall 67. Address: 1015 Fairfield Ave., Bridgeport, Conn. 06605.
- ROSNOW, DR. RALPH L(EON), b. Baltimore, Md., Jan. 10, 36; m. 63. PSYCHOLOGY. B.S., Maryland, 57; M.A., George Washington, 58; Ph.D. (psychol.), American Univ., 62. Res. psychologist, Bur. Soc. Sci. Res., 63; asst. prof. commun. res., Boston, 63-67; ASSOC. PROF. PSYCHOL. TEMPLE, 67- Nat. Inst. Ment. Health res. grants, 64-66; Nat. Sci. Found. res. grants, 66-68. Med. Serv. C., U.S.A.R., 59-66, 1st Lt. AAAS; Psychol. Asn; Psychonomic Soc; Soc. Exp. Psychol. Social research methodology; persuasion; social perception. Publ: Co-ed, Experiments in persuasion, 67 & auth, A spread of effect in attitude formation, In: Psychological foundations of attitudes, 68, Academic; co-auth, Volunteer effects in behavioral research, In: New directions in psychology IV, Holt, 69. Address: Dept. of Psychology, Temple University, Philadelphia, Pa. 19122.
- ROSOVE, DR. PERRY E., b. Brooklyn, N.Y., Sept. 13, 18. ANTHROPOLOGY. B.S.S., City Col. New York, 49; M.A., Columbia, 50; Ph.D. (ed.), N.Y. Univ., 63. Lectr. sociol. & anthropol., City Col. New York, 50-56; with Rand Corp., 56-57; HUMAN FACTORS SCIENTIST, SYST. DEVELOP. CORP., 57- N.Y. Univ. Founders Day award, 64. U.S.A.A.F., 43-46. Sociol. Asn; Soc. Appl. Anthropol.; Human Factors Soc. Organization theory; education for the future; computer-based information system design. Publ: Developing computer-based information systems, Wiley, 67. Address: System Development Corp., 2500 Colorado Ave., Santa Monica, Calif. 90406.
- ROSOVSKY, PROF. HENRY, b. Free City of Danzig, Sept. 1, 27; nat; m. 56; c. 2. ECONOMICS. A.B., Col. William & Mary, 49; Thayer scholar, Harvard, 52-53, A.M., 53, fel., 53-54, Ph.D., 59. Lectr. econ., Hitotsubashi Univ., Japan, 57-58; asst. prof., California, Berkeley, 58-59, assoc. prof., 59-62, prof., 62-64, chmn. center Japanese & Korean Studies, 62-65, PROF. econ. & hist., 64-65, ECON. HARVARD, 65-, ASSOC. DIR. EAST ASIAN RES. CENTER, 67- Vis. assoc. prof., Stanford, 60-61; vis. prof., Hebrew Univ. Israel, 65-66. Ed., Explor. Entrepreneurial Hist., 54-56. Schumpeter prize, Harvard, 63. U.S.A., 46-47, 50-52, 1st Lt. Econ. Asn; Econ. Hist. Asn; Asn. Asian Studies; Japanese Statist. Asn; Asiatic Soc. Japan. Quantitative aspects of Japanese economic history; general economic history. Publ: Capital formation in Japan, 1868-1940; ed, Industrialization in two systems, Wiley, 66; auth, Serf entrepreneur in Russia, Explor. Entrepreneurial Hist. Address: Dept. of Economics, Harvard University, Cambridge, Mass. 02138.
- ROSOW, PROF. IRVING, b. Cleveland, Ohio, Aug. 24, 21; m. 49; c. 2. SOCIOLOGY. B.A., Wayne, 43, fel., 46-48, M.A., 48; fel., Harvard, 50-51, Ph.D., 55. Staff analyst, Russian Res. Center, Harvard, 51-54; sr. sociologist, Belmont Hosp., Eng., 54-57; assoc. prof. sociol., Purdue, 57-58; CASE WESTERN RESERVE, 58-66, PROF. SOC. WORK, 66- Summers, instr., Wayne, 48, 50, res. assoc. lab. soc. rels., Harvard, 58. Consult., cmt. disaster studies, Nat. Res. Coun., 53-54. U.S.A., 43-45, Sgt. Sociol. Asn; Geront. Soc. Adult socialization processes and social structure; problems of social organization and change in relation to housing, divorce, disaster and mental health; soviet social system. Publ: Co-auth, Soviet citizen, Harvard, 59; auth, Social integration of the aged, Macmillan, 67; Authority in natural disaster, Ohio State, 67. Address: School of Applied Social Science, Case Western Reserve University, Cleveland, Ohio 44106.
- ROSS, PROF. AILEEN D(ANSKEN), b. Montreal, Que., June 3, 02. SOCIOLOGY. B.Sc., London Sch. Econ., 39; M.A., Chicago, 41, Ph.D., 51. Lectr. SOCIOL., Toronto, 42-45; MCGILL, 45-50, asst. prof., 50-59, assoc. prof., 59-62, PROF., 63- Consult., Overseas Inst. Can. 62-68. Can. del. UNESCO Conf., Paris, 58. Sociol. Asn; Can. Sociol. & Anthropol. Asn; Asn. Asian Studies. French and English Canadian relationships in the Province of Quebec; sociology of philanthropy; Hindu college student; social implications of multilingualism in India; student unrest in Canada; the restless high school pupil. Publ: The Hindu family in its urban setting; Becoming a nurse. Address: Dept. of Sociology & Anthropology, McGill University, Montreal 2, Que., Can.
- ROSS, PROF. ALAN, b. Hamilton, Ohio, Aug. 25, 26; m. 50; c. 3. STATISTICS. A.B., Brown, 50; M.S., Iowa State Col., 52, Ph.D. (statist.), 60. Res. assoc. statist., Iowa State Col., 51-54; grad. sch. pub. health, Pittsburgh, 54-56; asst. prof., State Univ. N.Y. Upstate Med. Center, 56; col. med., Kentucky, 56-61, assoc. prof., 61-64; BIostatist. HOPKINS, 64-67, PROF. & CHMN. DEPT., 67- U.S.A., 44-46. Inst. Math. Statist; Statist. Asn; Biomet. Soc. Sampling theory and applications; estimation theory; biological statistics. Address: Dept. of Biostatistics, Johns Hopkins University, 615 N. Wolfe St., Baltimore, Md. 21205.
- ROSS, PROF. ALAN O(TTO), b. Frankfurt am Main, Germany, Dec. 7, 21; nat; m. 50; c. 2. CLINICAL PSYCHOLOGY. B.S., City Col. New York, 49; M.S., Yale, 50, Ph.D. (psychol.), 53. Clin. psychologist, child guid. clin., Brooke Army Hosp., San Antonio, Tex., 53-55; chief psychologist, U.S. Army Hosp., Frankfurt, Germany, 55-56; Clifford W. Beers Guid. Clin., New Haven, Conn., 56-59; Pittsburgh Child Guid. Center, 59-67; PROF. PSYCHOL., STATE UNIV. N.Y. STONY BROOK, 67- Asst. prof., New Haven State Teachers Col., 57-59; lectr., Yale, 58-59; adj. assoc. prof., Pittsburgh, 59-63, adj. prof., 63-67. Dir., Joint Cmn. Ment. Health Children, 65-69. U.S.A., 43-46, 51-56, 1st Lt. Fel. Psychol. Asn; fel. Soc. Res. Child Develop; fel. Orthopsychiat. Asn. Clinical child psychology; parent-child relationship; brain injury; personality development; behavior therapy. Publ: The practice of clinical child psychology: The exceptional child in the family, Grune, 64; Tactile perception of form by the brain-injured, J. Abnorm. & Soc. Psychol. Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- ROSS, DR. ALBERT E(LLIS), b. Chicago, Ill., Oct. 13, 20; m. 48; c. 3. CLINICAL PSYCHOLOGY. B.A., California, Los Angeles, 43; Ph.D., Southern California, 56. Res. clin. psychologist, suicide referral center, Calif., 55-57; PRACTICING CLIN. PSYCHOLOGIST, 57- Lectr., Southern California, 56- Clin. psychologist, Pasadena Child Guid. Clin., 55-58; Calif. Babies & Childrens Hosp., 57-60; consult. psychologist, Los Angeles County Prob. Dept., 57-67; consult. psychologist, McMurry Co., 59-63; ment. health consult., Dept. Ment. Health, Los Angeles County, 67- U.S.A., 43-46. Psychol. Asn. Investigation of emotional factors in occupational choice by evaluating the discrepancy between aptitudes and interests in emotionally disturbed groups as contrasted with organically diseased groups; evaluating problem of suicide. Address: 414 Camden Dr., Beverly Hills, Calif. 90210.
- ROSS, DR. ARTHUR M(AX), b. Rochester, N.Y., May 1, 16; m. 42; c. 4. ECONOMICS. A.B., Harvard, 37; fel. & Ph.D. (econ.), California, 41. Lectr. econ., Mich. State Col., 46; bus. admin., California, 46-48, assoc. prof. indust. rels., 48-53, prof., 53-65, dir. Inst. Indust. Rel., 54-63; cmnr. labor statist., U.S. Dept. Labor, 65-68; V.PRES. MICHIGAN, 68- Guggenheim fel., 61. Consult, Inst. Int. Ed., 50; Wage Stabilization Bd., 52. Econ. Asn; fel. Statist. Asn; Indust. Rel. Res. Asn; Acad. Arbit. Wages and wage determination; collective bargaining; arbitration and dispute settlement. Publ: Trade union wage policy; Industrial conflict; co-auth. Changing patterns of industrial conflict, Wiley, 60. Address: University of Michigan, Ann Arbor, Mich. 48104.
- ROSS, CARL W., b. Coshocton, Ohio. GEOGRAPHY. B.S., Ohio, 37; A.M., Boston, 58. Teacher, pub. schs., Ohio, 37-42; geogr. off. chief staff, U.S. Army, 46-48, off. qm. gen., D.C., 48-53, U.S. Army Natick Labs., Mass., 53-65; INSTR. GEOG. SOUTH. CONN. STATE COL., 65- Asn. Am. Geog. Sci. Res. Soc. Am; Polar Soc. Biogeography; medical, educational and physical geography. Publ: Co-auth, World clothing guide: auth, Harmful species of Arachnida in the United States; Clothing almanac for Greenland, Iceland and Svalbard. Address: Dept. of Geography, Southern Connecticut State College, New Haven, Conn. 06515.
- ROSS, DR. DAVID F(RANCIS), b. Ann Arbor, Mich., Nov. 27, 25; m. 49; c. 2. ECONOMICS. A.B., Harvard, 50, M.A., 51, Ph.D. (econ.), 56. Instr. econ., Puerto Rico, 52-53; economist, Econ. Develop. Admin. P.R., 54, chief gen. econ. div., 54-56, asst. dir. econ. res., 56-57; assoc. prof. econ., Fla. State, 57-59; prof. & head dept., Bethany Col. (W.Va.), 59-64, dean faculty, 61-64; instr. ECON., Cuttington Col., Liberia, 64-67; ASSOC. PROF., KENTUCKY, 67- Summer, Ford Found. res. fel., 60. Econ. consult., Govt. P.R., 57-59. U.S.A., 43-46. Am. Econ. Asn; Latin American Studies Asn; Soc. Int. Develop; Royal Econ. Soc. Economic development, especially of Latin America. Publ: Co-auth, Honduras: a problem in economic development, 20th Century, 59; auth, The long uphill path: a historical study of Puerto Rico's

program of economic development, Talleres Graficos Interamericanos, 66; The role of liberal education in economic development, Liberal Ed, 12/65. Address: College of Business & Economics, University of Kentucky, Lexington, Ky. 40506.

ROSS, EUGENE B(LY), Exp. Psychol, see 10th ed, Soc. & Behav. Vols.

ROSS, PROF. EVA J(EANY), b. Belfast, N.Ireland, 03; nat. SOCIOLOGY. B.Com, London, 30; A.M. St. Louis, 34; Ph.D. Yale, 37; D.Litt. St. Bonaventure, 56. Teacher, cols. U.S. 30-40; PROF. SOCIOL. & HEAD DEPT, TRINITY COL.(D.C.), 40- Nat. Sci. Found. traveling grant, 59; Fulbright prof, Nat. Univ. Colombia, 61; Am. Philos. Soc. summer grant, 67. Fel. Sociol. Asn; Rural Sociol. Soc; Soc. Study Social Probs. Economics; labor; banking; socioeconomic. Publ: Basic sociology; Western social thought; Belgian rural cooperation. Address: Dept. of Sociology, Trinity College, Washington, D.C. 20017.

ROSS, PROF. G. W. C, Polit. Sci, see 10th ed, Soc. & Behav. Vols.

ROSS, DR. GARY M, Am. Hist. & Diplomacy, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

ROSS, DR. G(LENN) ROBERT, b. Kerens, Tex, Aug. 6, 28; wid; c. 2. PSYCHOLOGY. B.S. Agr. & Mech. Col, Tex, 49, fel, 49-50, M.S. 50; fel. Denver, 54-55, Ph.D.(psychol. & ed), 55. Asst. sociol, Agr. & Mech. Col. Tex, 50, dormitory counsr, 51; counsr, Denver, 53-54, asst. to dean students, 54-55, asst. dean, 56-59, asst. prof. psychol. & dir. counseling, 57-59; counseling psychologist, Texas, 55-56; dean student affairs, Ball State, 59-62; PROF. ED. PSYCHOL. & DEAN STUDENT AFFAIRS, NEBRASKA, 62-, V.CHANCELLOR, 63- Consult, Brown Schs, Tex, 56. U.S.A.F, 52-53, Lt. Psychol. Asn; Personnel & Guid. Asn; Col. Personnel Asn. Student personnel; testing and measurement. Publ: Co-auth, Non-instructional services to students, Rev. Ed. Res; Psychological services in higher education, In: Encyclopedia of educational research. Address: Office of Student Affairs, University of Nebraska, Lincoln, Nebr. 68508.

ROSS, H. JOHN, Bus. Mgt, see 10th ed, Soc. & Behav. Vols.

ROSS, HAROLD G, b. Boston, Mass, Jan. 18, 28; m. 49; c. 2. ECONOMICS, LABOR RELATIONS. B.S. Pennsylvania, 50; M.S. Cornell, 51. Asst. state sch. indust. & labor rels, Cornell, 50-51, 53-55; indust. rels. analyst, Wage Stabilization Bd, 51-53; economist, Nat. Asn. Broadcasters, 55-58; Nat. Broadcasting Co, 59; assoc, Fox, Wells & Rogers, 60-67; MANAGING PARTNER, ROSS INVESTMENTS, 67- U.S.A, 46-48. Econ. Asn; Indust. Rel. Res. Asn. Macroeconomic theory. Publ: Co-auth, Bibliography of dispute settlement by third parties; Interplant wage inequities & intraoccupational wage diversity, Indust. & Labor Rel. Rev. Address: 43 Surrey Rd, Stamford, Conn. 06903.

ROSS, DR. H(ARRY) A(LBERT), Agr. Econ, see 10th ed, Soc. & Behav. Vols.

ROSS, PROF. HUBERT B(ARNES), b. Boston, Mass, Apr. 2, 18; m. 50; c. 2. ANTHROPOLOGY, SOCIOLOGY. B.A. Wesleyan, 39; M.A. Yale, 42; Whitney Found. fel, Columbia, 52-53, Ph.D.(anthrop), 54. Instr. sociol. & hist, Lincoln (Pa), 54-55, asst. prof. sociol, 55-60; ASSOC. PROF. ANTHROP, ATLANTA, 60- Atlanta Univ. Center Non-West. Studies Cmt. study-travel grant, African studies center, Univ. California, Los Angeles, 66-67. Summers, fel, sch. adv. int. studies, Hopkins, 54, vis. assoc. prof, Texas Southern, 55, Nat. Defense For. Lang. Prog. fel, African Lang. & Area Center, Mich. State, 62. Fel. Anthropol. Asn. African ethnology and sociology; ethnobotanical culture history; cultural anthropology. Publ: Diffusion of the manioc plant from South America to Africa. Address: Dept. of Anthropology, Atlanta University, Box 333, Atlanta, Ga. 30314.

ROSS, DR. H(UGH) LAURENCE, b. New York, N.Y., May 12, 34. SOCIOLOGY. A.B. Swarthmore Col, 55; Soc. Sci. Res. Coun. fel, Harvard, 55-56, univ. fel, 56-57, M.A. 57, Ph.D. 59; Soc. Sci. Res. Coun. fel, Chicago, 57-58. Instr. sociol. univ. & staff behav. scientist, traffic inst, Northwestern, 59-60; asst. prof. SOCIOL. N.Y. UNIV, 60-64, ASSOC. PROF, 64-, CHMN. DEPT, 66-, acting chmn. dept, 65-66. Russell Sage Found. resident, center for study law & society, California, Berkeley, 63-64; vis. prof, Denver 67-68. Sociol. Asn; Soc. Study Social Probs; Law & Society Asn. Urban sociology; sociology of law; traffic safety. Publ: Perspectives on the social order, McGraw, 63, 2nd ed, 68; Traffic law violations: a folk crime, Soc. Probs; Local community: a survey approach, Am. Sociol. Rev. Address: Dept. of Sociology & Anthropology, New York University, New York, N.Y. 10003.

ROSS, DR. IAN C(AMPBELL), b. Inverness, Scotland, Mar. 4, 20; nat; m. 44; c. 2. SOCIOLOGY. A.B. Columbia, 43, Ph.D.(sociol), 57. Asst. Boy Scouts of Am, 43-45; assoc. statist, teachers col, Columbia, 46-47; asst. dir. res. div. Essex County Probtbn. Dept, 47-49; res. assoc, inst. soc. res, Michigan, 49-58; MEM. TECH. STAFF, BEHAV. RES. LAB, BELL TEL. LABS, 58- Lectr, dept. sociol, Rutgers, 65- Sociol. Asn; Statist. Asn. Organization and graph theory; mathematical models in social science; attitude measurement; methods of social research. Address: Bell Telephone Labs, Murray Hill, N.J. 07974.

ROSS, DEAN J(AMES) ALAN, b. Bellingham, Wash, Jan. 30, 11; m. 34; c. 2. PSYCHOLOGY. B.A. West. Wash. State Col, 36; Chicago, 38-39; M.A. Yale, 42, Ph.D. 43. Prin. pub. schs, Wash, 37-39; asst. ed. psychol, Yale, 40-42; teacher ED. & PSYCHOL, WEST. WASH. STATE COL, 42-43, PROF, 46-, DEAN GRAD. STUDIES, 59- Mem. Inst. Ed. Leadership, Japan, 52. U.S.N.R, 43-46, Res. 55-, Comdr. Psychol. Asn. Personnel analysis; training; administrative behavior. Address: Graduate School, Western Washington State College, Bellingham, Wash. 98225.

ROSS, DR. JAMES ALEXANDER, JR, b. New York, N.Y., Oct. 2, 99; m. 39; c. 1. POLITICAL ECONOMY. B.S. Princeton, 22; B.A. Oxford, 25; A.M. Harvard, 33, Ph.D. 34. Asst. prof. econ, Swarthmore Col, 26-27; assoc. prof, Southwest Col, 27-29; sr. tutor, Adams House, Harvard, 30-37; prof. econ, Maxwell Sch, Syracuse, 37-41; chief allocations & priorities res. sect,

War Prod. Bd, 42; econ. adv. & attaché, U.S. Dept. State, India & Pakistan, 42-49, econ. cmnr, Econ. Coop. Admin, Eng, 49; intel. specialist & civilian dep, U.S. Dept. Air Force Intel, D.C. & Europe, 51-59; dir. dept. econ. develop, U.S. Civil Admin, Ryukyu Islands, 59-63; ECON. CONSULT, 63- Fulbright res. prof, Univ. Karachi, 62-63. U.S.M.C, 18-19, Lt. Econ. Asn. Economic theory and development; international relations; money and banking. Publ: Speculation stock prices and industrial fluctuations; Economics for the citizen, Introd. Responsible Citizenship. Address: Wiscasset, Maine 04578.

ROSS, DR. J(AMES) GLENN, Psychol, see 10th ed, Soc. & Behav. Vols. Latest known address: P.O. Box 1047, Lynn Haven, Fla. 32444.

ROSS, PROF. JOEL E(LMORE), b. Clinton, S.C, Sept. 23, 22; m. 46; c. 5. MANAGEMENT. A.B. Yale, 46; M.B.A. George Washington, 59, D.B.A. 61; Naval War Col, 61-62. Lectr, Rhode Island, 61-62; Virginia, 62-63; dir. bus. admin, Merrimack Col, 63-64; PROF. MGT. & CHMN. DEPT, FLORIDA ATLANTIC, 64- Consult, U.S. Civil Serv-Mich. State, 65-67; various indust. firms, 65-67. U.S.N, 46-63, Comdr. Acad. Mgt; Econ. Asn. Information systems; educational technology; computers and automation; executive development. Publ: Co-auth, Systems theory, Systemation, 66; auth, Systems curriculum and methodology, Asn. Ed. Data Sys, 67. Address: Dept. of Management, Florida Atlantic University, Boca Raton, Fla. 33432.

ROSS, DR. JOHN A(RNOLD), Physiol. Psychol, Animal Behavior, see Suppl. V to 11th ed, Phys. & Biol. Vols.

ROSS, PROF. JOHN E(LTON), b. Medford, Ore, Nov. 11, 26; m. 50; c. 5. MASS COMMUNICATION. B.S. Ore. State Col, 48; M.S. Wisconsin, 49, Ph.D. 54. Instr. AGR. JOURNALISM, WISCONSIN, 50-54, asst. prof, 54-60, assoc. prof, 60-65, PROF, 65-, ASSOC. DIR. INST. ENVIRON. STUDIES, 68- asst. to dean agr, 63-65. Med. Serv. C. U.S.A, 54-56, Res, 56-64, Capt. AAAS; Asn. Ed. Journalism; Asn. Agr. Col. Editors. Mass media analysis, especially content analysis, readership and readability; public opinion surveys; agricultural journalism; public attitudes toward controversial issues. Publ: Agricultural news writing; Mass media and the Wisconsin farm family, Res. Bull, Univ. Wisconsin Agr. Exp. Sta. Address: 1 Agricultural Hall, University of Wisconsin, Madison, Wis. 53706.

ROSS, LAURENCE WILSON, b. Leasburg, N.C, June 9, 12; m. 31; c. 1. PSYCHOLOGY. A.B. North Carolina, 33, A.M. 38; Harvard, 37, Colorado, 41. Teacher, pub. schs, N.C. 33-35, teacher-counsr, 35-40; dean & asst. prin, high sch, S.C. 40-43; personnel technician, U.S. Air Serv. Command, 43-44; personnel analyst, Union Bag-Camp Paper Corp, 44-57, gen. personnel supvr, 57-65; SR. ASSOC. ROSS, POTTER & MERENESS, 65- Instr, North Carolina, 38-40; prof. eve. div, Upsala Col, 65- Mem. Nat. Col. Placement Coun, 56-59, salary surv. cmt, 58. AAAS; Psychol. Asn; Soc. Eng. Ed. Educational and psychological research, especially industrial and personnel emphasis; techniques for measurement and appraisal of industrial and business employees; organization planning; management science. Publ: The language arts, Rev. Ed. Res; Changing mental test norms in southern industrial plant, J. Appl. Psychol; Intelligence tests in educational & vocational guidance, Sch. Rev. Address: 15 Oaklawn Rd, Summit, N.J. 07901.

ROSS, PROF. LEONARD ELLIS, b. Burlington, Iowa, Dec. 15, 30; m. 54; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A. Iowa, 55, M.A. 58, Ph.D. 59. Res. assoc. EXP. PSYCHOL, Iowa, 59; instr, WISCONSIN, 59-61, asst. prof, 61-62, assoc. prof, 62-64, PROF, 65- Res. consult, Cent. Wis. Colony & Training Sch, 61- U.S.A, 51-53, Sgt. Psychol. Asn; Psychonomic Soc. Developmental learning; retardation. Publ: Classical conditioning and discrimination learning research with the mentally retarded, Int. Rev. Res. In: Mental retardation, 66 & co-auth, A developmental study of attention to cue redundancy introduced following discrimination learning, J. Exp. Child Psychol, 67, Academic; auth, Learning theory, In: International encyclopedia of the social sciences, Macmillan, 67. Address: Dept. of Psychology, University of Wisconsin, Madison, Wis. 53706.

ROSS, DR. MARION, b. San Francisco, Calif, Apr. 27, 24. ECONOMICS. B.A. Mills Col, 44; scholar, London Sch. Econ, 51-52; Ph.D. California, 56. Asst. ECON, California, 46-48; instr, Flint Col, Michigan, 56-58, asst. prof, 58-59; MILLS COL, 59-62, assoc. prof, 62-68, PROF, 68- Econ. Asn. Public finance; tax incentives and economic growth. Publ: Saginaw, In: Encyclopaedia Britannica; British tax treatment of mineral assets, Nat. Tax J, 12/65. Address: Dept. of Economics, Mills College, Oakland, Calif. 94613.

ROSS, DR. MATHEW, Psychiat, see 11th ed, Phys. & Biol. Vols.

ROSS, PRES. MURRAY G(EORGE), b. Sydney, N.S. Apr. 12, 12; m. 41; c. 2. SOCIOLOGY. B.A. Acadia, 36, hon. D.C.L. 60; M.A. Toronto, 38; Chicago, 39; Ed.D.(soc. psychol), Columbia, 49. Prof. sociol. & exec. asst. to pres, Toronto, 56-57, prof. sociol. & v.pres, 57-60; PRES, YORK (ONT), 60- AAAS; fel. Sociol. Asn; Acad. Polit. & Soc. Sci. Publ: Religious beliefs of youth; Community organization: theory and principles; New universities in the modern world. Address: Office of the President, York University, Toronto, Ont, Can.

ROSS, PROF. MYRON HERMAN, b. Philadelphia, Pa, May 6, 20; m. 53; c. 3. ECONOMICS. B.S. & M.A. Temple, 47; Ph.D. Pennsylvania, 57. Instr. ECON, Temple, 47-56; asst. prof, Knox Col, 56-60; assoc. prof, WESTERN MICHIGAN, 60-67, PROF, 67- Fulbright res. grant, Belgrade, 67-68. U.S.A, 41-45, 1st Lt. Econ. Asn. Macro-economics, especially problems of monetary and fiscal policy; relationship between accounting and economic theory. Publ: Income: analysis and policy, McGraw, 2nd ed, 69; A study of excess capacity, Land Econ; Operation twist: a mistaken policy, J. Polit. Econ, 4/66. Address: Dept. of Economics, Western Michigan University, Kalamazoo, Mich. 49001.

ROSS, DR. NATHANIEL, Psychiat, see 11th ed, Phys. & Biol. Vols.

ROSS, DR. PAUL F(REDERIC), b. Ann Arbor, Mich, Dec. 31, 26; m. 53; c. 3. PSYCHOLOGY, STATISTICS. B.A. Ohio Wesleyan, 50; M.A. Ohio State, 52,

Ph.D.(psychol), 55. Asst. psychol, 52-53, 54-55, res. assoc. res. found, 53-54; res. analyst, Prudential Ins. Co. Am, 55-57; Indust. psychologist, Standard Oil Co.(N.J.), 57-64; MEM. STAFF, ARTHUR D. LITTLE, INC., CAMBRIDGE, 65- Mem. teaching staff, Rutgers, 58-59; ed. 'Personnel Psychol,' 59- Dipl. Am. Bd. Exam. Prfnl. Psychol, 62. U.S.N.R, 44-46. Psychol. Asn; Psychomet. Soc; Asn. Comput. Mach; Statist. Asn. Industrial organization and management climate; management information systems; educational organization and management; consumer and industrial marketing; human resources management; statistics and research design, including factor analysis. Publ: Co-auth, Selecting salesmen for an oil company, 64 & auth, Reference groups in man to man job performance rating, 66, Personnel Psychol; co-auth, A model for innovation adoption in public school districts, Arthur D. Little, Inc, 68. Address: Todd Pond, Lincoln, Mass. 01773.

ROSS, PROF. RAYMOND (SAMUEL), b. Milwaukee, Wis, Apr. 14, 25; m. 48; c. 2. INDUSTRIAL RELATIONS. Ph.B, Illinois, 49; Ph.B, Marquette, 49, M.A, 50; Ph.D, Purdue, 54. Instr, Marquette, 50-51; instr. & asst. prof, Ohio State, 54-58; from asst. prof. to assoc. prof. SPEECH, WAYNE STATE, 58-66, PROF, 66-, CONSULT, & MEM. BD, INST. INDUST. RELS, 59- Found. Econ. Ed. summer fel, U.S. Steel Corp, 55. Consult. & mem. bd, inst. indust. rels, Michigan; consult, reserve officers' training corps, Maxwell Air Force Base, Ala. U.S.A, 43-45. Speech Asn; Indust. Rel. Res. Asn; Speech & Hearing Asn; Psychol. Asn; Soc. Study Commun. Industrial communication; leadership and decision making; psychology of persuasion; language and semantics; speech. Publ: Co-auth, Decision making and command, In: The Air Force staff officer; auth, Speech communication fundamentals and practice, Prentice-Hall, 65; co-auth, The communicative arts and sciences of speech, C.E. Merrill, 67. Address: Dept. of Speech, Wayne State University, Detroit, Mich. 48202.

ROSS, PROF. ROBERT C(OOKE), b. St. Clairsville, Ohio, Dec. 25, 91; m. 17; c. 3. AGRICULTURAL ECONOMICS. A.B, Monmouth Col, 14; B.S, Illinois, 23, M.S, 25, Ph.D.(econ), 31. Prof. AGR. ECON, ILLINOIS, URBANA, 23-60, EMER. PROF, 60- Leader agr. for. visitors, Agency Int. Develop. Projs, 62- U.S.A, 18-19. Farm management. Publ: Introduction to agricultural economics; co-auth, Types of farming in Illinois, Agr. Exp. Sta. Bull. Address: 409 E. Chalmers, University of Illinois, Champaign, Ill. 61820.

ROSS, DR. ROBERT T(ROWBRIDGE), b. Los Angeles, Calif, Apr. 4, 06. PSYCHOLOGY. B.Sc, Calif. Inst. Tech, 27; M.A, Southern California, 30; Ph.D. (psychol), Yale, 34. Instr. psychol, Yale, 34-38; asst. prof, Stanford, 36-41; consult, psychologist, 46-49; assoc. prof. psychol, Long Beach State Col, 49-52; sr. clin. psychologist, Sonoma County Ment. Hyg. Clin, 52-56; chief psychologist, Sonoma State Hosp, Calif, 56-58; chief res. psychologist, Calif. State Dept. Ment. Hyg, 58-67; dir. res, Fairview State Hosp, 67-68; ASSOC. CLIN. PROF. MED. PSYCHOL, CALIF. COL. MED, 68- Lectr, Calif. Inst. Tech. & res. assoc, Pasadena Playhouse Sch. of Theater, 37-41; lectr, Muir Col, 46-49. Dipl. Am. Bd. Exam. Prfnl. Psychol, 48. U.S.N, 41-46, Comdr. Fel. Psychol. Asn. Test construction; personality; research administration. Address: Fairview State Hospital, Costa Mesa, Calif. 92626.

ROSS, PROF. RUSSELL M(ARION), b. Washington, Iowa, June 2, 21. POLITICAL SCIENCE. A.B, Iowa, 42, A.M, 46, Ph.D, 49; Harvard, 44. Instr. POLIT. SCI, IOWA, 46-48, asst. prof, 48-52, assoc. prof, 52-63, res. prof, 63-64, PROF, 65-, munic. consult, Inst. Pub. Affairs, 50. Vis. prof, San Jose State Col, 50, 52; admin. asst. to attorney gen, State of Iowa, 60, exec. asst. to governor, 61. Leg. consult, Congressman Fred Schwengel, 67. U.S.N.R, 42-45, Lt. Polit. Sci. Asn; Soc. Pub. Admin. State and local government and administration; legislation of the fifty-third general assembly; Iowa government and administration. Publ: Co-auth, State and local government & administration, Ronald, 66. Address: Dept. of Political Science, University of Iowa, Iowa City, Iowa 52240.

ROSS, DR. SHERMAN, Psychol, see 11th ed, Phys. & Biol. Vols.

ROSS, DR. STANLEY, b. Tulsa, Okla, Jan. 11, 28; m. 53; c. 2. GEOGRAPHY. B.A, Colorado, 53, M.A, 55; Ph.D.(geog), 63. Asst. prof. GEOG, Arizona State, 57-63; ASSOC. PROF. & CHMN. DEPT. SAN FERNANDO VALLEY STATE COL, 63- Summers, vis. lectr, Univs. Denver, California, Santa Barbara, British Columbia & Colorado. U.S.M.C, 45-46, 50-51, Res, Maj. Asn. Am. Geog; Am. Geog. Soc. Address: Dept. of Geography, San Fernando Valley State College, Northridge, Calif. 91324.

ROSS, DR. VERITY MITCHELL, b. Sherbrooke, Que; m. 42. PSYCHOLOGY. B.Sc, Columbia, 40; M.Sc, McGill, 42, Ph.D, 52. From asst. prof. to ASSOC. PROF, SCH. SOC. WORK, MCGILL, 52-, lectr, dept. ed, 52-54, psychol. researcher, Allen Mem. Inst, 53-54. Lcn. W.A.C, 42-46, Maj. Am. Psychol. Asn; Asn. Psychol. Asn. Clinical psychology. Address: 16 Winchester Ave, Westmount, Que, Can.

ROSS, WILLIAM BROOKS, b. Lawrenceburg, Ind, Aug. 22, 27; m. 56; c. 3. ECONOMICS. A.B, Indiana, 50; A.M, Princeton, 52. Summer bus. economist, Off. Price Stabilization, 51; asst. instr. labor econ, Princeton, 52; bus. economist, U.S. Bur. Mines, 52; fiscal economist, U.S. Bur. Budget, Exec. Off. President, 54-56, budget examiner, 56-64, chief fiscal anal, 64-66; DEP. UNDER SECY, U.S. DEPT. HOUSING & URBAN DEVELOP, 66- U.S.A, 52-54, Sgt. Econ. Asn. National government fiscal policy; state and local government public finance; residential finance; public sector influence on urban development and economics. Publ: A proposed methodology for comparing federally assisted housing programs, Am. Econ. Rev, 5/67. Address: U.S. Dept. of Housing & Urban Development, Washington, D.C. 20410.

ROSS, DEAN WILLIAM D, b. Jackson, Miss, May 16, 21; m. 44; c. 1. ECONOMICS. A.B, Millsaps Col, 42; A.M, Duke, 47, Ph.D, 51. Economist, U.S. Mil. Govt, Germany, 45-46; instr. Duke, 46-49; PROF. ECON, LA. STATE, 49-, DEAN COL. BUS. ADMIN, 56- U.S.A, 43-45, Lt. Econ. Asn. Public finance; economic theory. Publ: Financing highway improvements in Louisiana; Berlin reparations assignment; Business in a free society, C.E. Merrill, 10/66. Address: College of Business Administration, Louisiana State University, Baton Rouge, La. 70803.

ROSS, DR. W(ILLIAM) DONALD, Psychiat, see 11th ed, Phys. & Biol. Vols.

ROSS, PROF. WILLIAM GILLIES, b. Montreal, Que, Apr. 4, 31; m. 59; c. 4. GEOGRAPHY. B.A, Royal Mil. Col.(Ont), 53; B.A, McGill, 57, M.A, 60. Head dept. GEOG, Stanstead Col, 58-61; ASSOC. PROF. & HEAD DEPT., BISHOP'S (CAN), 61-, res. grants, 62, 64 & 66. Can. Coun. res. grant, 66; Nat. Adv. Cmt. Geog. Res. res. grants, 66 & 68; Can. Res. Center Anthropol. res. grant, 68. R.C.N, 53, Sub-Lt. Asn. Am. Geog; Arctic Inst. N.Am; Can. Asn. Geog. Ecology of commercial whaling in the Canadian Arctic; mining and landscape change; historical geography of North America and the Caribbean. Publ: Exploration and toponymy on the Unknown River, Labrador, Cahiers de Géographie de Québec, 9/66; Encroachment of the Jeffrey Mine on the town of Asbestos, Québec, Geog. Rev, Vol. LVII, 4; American whaling in Hudson Bay: the voyage of the Black Eagle, 1866-1867, Can. Geog. J, 12/67. Address: Dept. of Geography, Bishop's University, Lennoxville, Que, Can.

ROSS, PROF. WILLIAM T, b. Irwin Co, Ga, Feb. 21, 18; m. 50. ANTHROPOLOGY. B.A. & M.A, Arizona, 53; Ph.D.(anthrop), Chicago, 55. From instr. to PROF. SOC. SCI. & ANTHROP, ASST. DEAN INT. PROG, UNIV. COL. & DIR. ASIAN STUDIES CENTER, MICH. STATE, 55- Lichstern award, Chicago, 54. U.S.A.A.F, 41-45. Anthropol. Asn; Soc. Appl. Anthropol. Personality and culture; psychosomatic illness; community studies and culture change. Publ: An Apache pegboard, Personnel & Guid. J. Address: 5120 Aurelius Rd, Lansing, Mich. 48910.

ROSSBERG, PROF. ROBERT H(OWARD), b. New York, N.Y, Mar. 9, 26; m. 47. PSYCHOLOGY. B.S, City Col. New York, 49; M.A, Columbia, 50; Ph.D.(rehab. psychol), N.Y. Univ, 56. Counseling psychologist, Fedn. of Handicapped, N.Y, 50-51; clin. psychologist, Bellevue Med. Center, N.Y. Univ, 51-53, asst. chief psychologist, 53-54, psychol. soc. & voc. serv, 54-56; asst. prof. ed. & psychol. & dir. rehab. counseling training prog, Buffalo, 56-59, assoc. prof. & coordinator grad. progs. counsr. ed, 59-64; PROF. CONSR. ED. & CHMN. DEPT, STATE UNIV. N.Y. BUFFALO, 64-, PROF. ED, 67-, assoc. dean sch. ed, 65-67. Consult. psychologist, Fedn. of Handicapped, N.Y, 52-53; lectr, Wagner Lutheran Mem. Col, 52-53. U.S.A.A.F, 44-46. Psychol. Asn; Personnel & Guid. Asn; Ed. Res. Asn. Group psychotherapy; characteristics of college students; growth and development of late adolescents; college student personnel work. Publ: Letter to a colleague, Am. Asn. Univ. Prof. J, spring 67; Jumping over the paper moon, Nat. Asn. Student Personnel Admin. J, spring 67. Address: 105 Summerview Rd, Williamsville, N.Y. 14221.

ROSSE, DR. JAMES N(ELSON), b. Sidney, Nebr, Nov. 4, 31; m. 52; c. 4. ECONOMIC. B.S, Minnesota, 61, Nat. Defense Ed. Act fel. & M.A, 63, Nat. Sci. Found. fel. & Ph.D.(econ, math), 66. ASST. PROF. ECON, STANFORD, 65- Economet. Soc; Econ. Asn. Economics of industry, especially newspaper industry; micro theory; econometrics. Publ: Daily newspaper monopolistic competition and economics of scale, 5/67 & A curiosity in the theory of optimal price regulation, 9/68, Am. Econ. Rev. Address: Dept. of Economics, Stanford University, Stanford, Calif. 94305.

ROSSEL, DR. ROBERT DENTON, b. Fairfax, Okla, Oct. 23, 39; m. 62; c. 3. SOCIOLOGY. B.S, Kans. State Col. Pittsburg, 60; Ph.D.(sociol), Yale, 66. ASST. PROF. SOCIOL; SOUTHERN ILLINOIS, 66- Sociol. Asn. Industrial and organizational sociology; small group interaction; sociology of knowledge. Address: Dept. of Sociology, Southern Illinois University, Carbondale, Ill. 62901.

ROSSELOT, PROF. A(LZO) P(ERRE), Govt, see 10th ed, Soc. & Behav. Vols.

ROSSER, DR. NEILL A(LBERT), b. Broadway, N.C, Oct. 8, 16; m. 43; c. 2. EDUCATIONAL PSYCHOLOGY. A.B, Maryville Col.(Tenn), 39; Ed.M, Harvard, 47; Ed.D.(ed. psychol), Denver, 52. Teacher, high sch, N.C, 39-42, prin, Colo, 47-51, N.C, 55-57; asst. prof, Illinois, 51-54, res. assoc, inst. res. except. children, 54-55; dir. instr. pub. schs, N.C, 57-59; ASSOC. PROF. ED. PSYCHOL, NORTH CAROLINA, CHAPEL HILL, 59- Exec. dir, Governor's Study Cmn. Pub. Schs, 67-68. U.S.A.F, 41-45, 51-54, Res, 54-, Maj. Psychol. Asn; Nat. Ed. Asn. Language development in mongoloids; standardization of language scale for mentally retarded children; reading in elementary schools; curriculum scope and sequence. Publ: Personal guidance; Personal health, Holt, 65. Address: Peabody Hall, University of North Carolina, Chapel Hill, N.C. 27514.

ROSSI, DR. ALICE S, b. New York, N.Y, Sept. 24, 22; m. 51; c. 3. SOCIOLOGY. B.S, Brooklyn Col, 47; Gilder fel, Columbia, 47-48, Ph.D, 57. Res. assoc. intergroup rels, Cornell, 51-52; generational differences in Soviet Union, Russian Res. Center, Harvard, 52-54, local polit. in small community, grad. sch. ed, 54-55; lectr. sociol, univ. col, Chicago, 59-61, RES. ASSOC. kinship structure U.S. & Eng, dept. anthropol, 61-62, cmt. human develop, 64-67; DEPT. SOC. RELS, HOPKINS, 67- Nat. Inst. Ment. Health res. scientist awardee, 64-69. Adv. coun. grad. fcls, Danforth Found, 67-69; acad. adv. coun, Kirkland Col, New York, 67-; consult, Group Adv. Psychiat, 67- Mem. gov. bd, Nat. Orgn. Women, 66- Sociol. Asn. Family and career roles of American women college graduates. Publ: Women in science: why so few?, Science; Naming children in middle class families, Am. Sociol. Rev, 65; Transition to parenthood, J. Marriage & Family, 2/68. Address: 2214 W. Rogers Ave, Baltimore, Md. 21209.

ROSSI, DR. JEAN J(OSEPH), b. Plainfield, N.J, Mar. 30, 26; m. 57; c. 3. CLINICAL PSYCHOLOGY. B.Sc, Seton Hall Col, 49; M.A, Catholic Univ, 54; Ph.D, Ottawa, 57; Yale, summer, 59. Clin. psychologist, Willmar State Hosp, Minn, 53-54, 55-56, exec. dir. alcohol addiction proj, 56-60, dir. res. & training, 60-61; CHIEF DEPT. PSYCHOL, LUTHERAN GEN. HOSP, PARK RIDGE, 61- Private practice, Des Plaines, 61- Clin. psychologist, W.Cent. Minn. Ment. Health Center, 57-61. U.S.N, 43-46. AAAS; Psychol Asn. Psychiatry; group therapy; alcoholism; personality; psychotherapy training; treatment effects; learning theories and behavior modification methods. Publ: Dynamic hospital treatment of alcoholism & Effects of treatment in 208 male alcoholics in a state hospital program, Quart. J. Study Alcohol; Can alcoholism be treated in mental hospital, Psychiat. Digest, 10/65. Address: 2040 Parkside Dr, Des Plaines, Ill. 60016.

- ROSSI, DR. PETER H(ENRY), b. New York, N.Y., Dec. 27, 21; m. 51; c. 3. SOCIOLOGY. B.S., City Col. New York, 43; Ph.D.(sociol.), Columbia, 51. Res. assoc., bur. appl. soc. res., Columbia, 48-51; asst. prof. soc. rels., Harvard, 51-55; from asst. prof. to prof. sociol., Chicago, 55-67, dir. nat. opinion res. center, 60-67; CHMN. DEPT. SOC. RELS., HOPKINS, 67- Consult, President's Cmn. Health Manpower, 66-67. Acad. ed. sociol., Scott Foresman & Co, 67- U.S.A., 42-45. Sociol. Asn; Statist. Asn; Asn. Pub. Opinion Res; Ed. Res. Asn. Political sociology; survey research; community. Publ: Impact of party organization in an industrial setting; co-auth, Education of Catholic Americans, 66 & New media and education, 67, Aldine. Address: Dept. of Social Relations, Johns Hopkins University, Baltimore, Md. 21218.
- ROSSI, PROF. PHILIP D(EODATUS), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 65.
- ROSSITER, PROF. CLINTON L(AWRENCE), b. Philadelphia, Pa, Sept. 18, 17; m. 47; c. 3. POLITICAL SCIENCE. A.B., Cornell, 39; A.M., Princeton, 41, Proctor fel, 41-42, Ph.D., 42. Instr., Michigan, 46; GOVT., CORNELL, 46-47, asst. prof., 47-49, assoc. prof., 49-54, PROF., 54- Guggenheim fel, 53; dir. surv. Am. Communism, Fund for the Repub. Bancroft prize; Woodrow Wilson prize, 54. U.S.N.R., 42-46, Lt. Polit. Sci. Asn; Hist. Asn. American history, government and thought. Publ: Seedtime of the republic; Conservatism in America; American Presidency. Address: 202 W. Sibley Hall, Cornell University, Ithaca, N.Y. 14850.
- ROSSMANN, DR. JACK EUGENE, b. Walnut, Iowa, Dec. 4, 36; m. 58; c. 3. EDUCATIONAL PSYCHOLOGY. B.S. Iowa State, 58, M.S., 60; Ph.D.(ed. psychol.) Minnesota, 63. Asst. prof. psychol. & coordinator ed. res., Macalester Col, 64-67; dir. res., counseling center, California, Berkeley, 67-68; ASSOC. PROF. PSYCHOL. & DIR. ED. RES., MACALESTER COL, 68- U.S.A.R., 58-, Capt. Psychol. Asn; Ed. Res. Asn; Nat. Coun. Measurement in Ed; Personnel & Guid. Asn. Evaluation in higher education; student characteristics; psychological measurement. Publ: Co-auth, Why college-trained mothers work, 65 & auth, An experimental study of faculty advising, 67, Personnel & Guid. J; co-auth, Vocational interests of sociologists, J. Counseling Psychol, 67. Address: Dept. of Psychology, Macalester College, St. Paul, Minn. 55101.
- ROSSMILLER, DR. GEORGE E, b. Great Falls, Mont, June 8, 35; m. 55; c. 2. AGRICULTURAL ECONOMICS. B.S., Montana State, 56, M.S., 62; Ph.D.(agr. econ), Mich. State, 65. Res. assoc. AGR. ECON., MICH. STATE, 65-67, ASST. PROF., 67- U.S.A., 56-59, 1st Lt. Agr. Econ. Asn. International economics and trade problems of developed countries; computer applications in agriculture. Publ: Farm real estate value patterns in the United States, 1930-1962, Report Number 31, Dept. Agr. Econ, Mich. State Univ, 11/65; The grain-livestock economy of West Germany with projections to 1970 and 1975, Inst. Agr., Mich. State Univ, 3/68. Address: Dept. of Agricultural Economics, Michigan State University, East Lansing, Mich. 48823.
- ROSTEN, DR. LEO C, b. Lodz, Poland, Apr. 11, 08; nat; m. 35; c. 3. POLITICAL SCIENCE. Ph.B., Chicago, 30, Soc. Sci. Res. Coun. fel, 35-36, Ph.D. (soc. sci), 37; London Sch. Econ, 34. Res. assoc., Chicago, 32-34; grant-in-aid, Carnegie Corp, 39-40; Rockefeller Found, 40-41; chief motion picture sect, Off. Facts & Figures, 41-42; dept. dir., Off. War Info, 42-44; grant-in-aid, Rand Corp, 47-49; SPEC. ED. ADV., LOOK MAG, 49- Faculty assoc., Columbia, 53-; vis. lectr., grad. sch., Yale, 54-55; vis. prof., California, 60-61. Spec. consult, Off. Secy. War, 45; consult, Rand Corp, 49-54. AAAS; Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Political psychology; public opinion and propaganda; mass media. Publ: The Washington correspondents; Hollywood: the movie colony, the movie makers; The intellectual and the mass media, In: Culture for the millions. Address: Look Magazine, 488 Madison Ave, New York, N.Y. 10029.
- ROSTVOLD, DR. GERHARD N(ORMAN), b. Nashwauk, Minn., Oct. 15, 19; m. 45; c. 4. ECONOMICS. A.B., Stanford, 48, M.A., 49, Ph.D.(econ), 55. Instr., dept. econ, Stanford, 49-51; price economist, Off. Price Stabilization, 51-52; prof. econ. & chmn. dept., Pomona Col, 52-66; CONSULT. ECONOMIST, URBANOMICS RES. ASSOCS, 66- Nat. Sci. Found. fel, Stanford, 65-66. Mem., Nat. Adv. Bd. Coun. Pub. Lands, 60- U.S.A.A.F., 42-45. Econ. Asn; Nat. Tax Asn. Public finance and fiscal policy; business cycle analysis; ethics and economic process; regional economic growth; legal economics. Publ: Co-auth, California local finance, 60; auth, Financing California government, Dickenson, 67 & Distribution of property, retail sales, and personal income tax burdens in California: an empirical analysis of inequity in taxation, Nat. Tax J, 66. Address: Urbanomics Research Associates, P.O. Box 312, Claremont, Calif. 91711.
- ROSVOLD, DR. H(ALDOR) ENGER, b. Calgary, Alta, July 14, 16; nat; m. 46; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A., Alberta, 40; M.A., Stanford, 42, Ph.D.(psychol.), 48. Asst. prof. psychol., McGill, 48-49; psychol. & psychiatrist, Yale, 49-54; CHIEF SECT. NEUROPSYCHOL., NAT. INST. MENT. HEALTH, 54- Mem., Ment. Health Res. Grants Adv. Panel, 57; adv. panel psychobiol., Nat. Sci. Found. & adv. panel fels, Nat. Inst. Ment. Health, 57- Can. Army, 42-46. Am. Psychol. Asn; Can. Psychol. Asn. Relationship between brain and behavior; physiological psychology; subcortical mechanisms in behavior. Publ: Co-auth, Effects of amygdectomy on the social behavior of monkeys & Effect of thalamic lesions in monkeys on performance on delayed response type problems, J. Comp. & Physiol. Psychol; auth, The prefrontal cortex and caudate nucleus: a system for effecting correction in response mechanisms, In: Mind as tissue, Harper, 65. Address: National Institute of Mental Health, Bldg 9, Room 176, Bethesda, Md. 20014.
- ROTBURG, DR. ROBERT I, African Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- ROTELLA, DR. SALVATORE G, b. Italy, July 24, 34; U.S. citizen; m. 61; c. 3. POLITICAL SCIENCE. B.A., Hunter Col, 55; M.A., Chicago, 56; Dr. Polit. Sci., Pavia, 58. Asst. prof. POLIT. SCI., Wright Br., CHICAGO CITY COL, 60-62, asst. prof., LOOP BR., 62-66, ASSOC. PROF., 66-, DEAN, PUB. SERV. INST., COL., 68- Comparative government; public administration. Address: 7140 S. Oglesby, Chicago, Ill. 60649.
- ROTE, DR. GERTRUDE WIEBE, b. Whitewater, Kans, May 4, 21; m. 61. GUIDANCE, PERSONNEL PSYCHOLOGY. B.A., Wheaton Col, 48; M.R.E., Biblical Sem.(N.Y.), 50; M.A., Columbia, 51, Ed.D., 60. Instr. psychol. & asst. dean, Manchester Col, 52-53, asst. prof., 53-55, assoc. prof., 55-64, dean women, 53-62; INSTR. GREEK, MENNONITE BIBLICAL SEM, 65- Educational administration; academic and personal counseling. Address: Mennonite Biblical Seminary, 3003 Benham Ave, Elkhart, Ind. 46514.
- ROTHERUS, VICTOR, b. Cloquet, Minn., July 20, 07; m. 34; c. 2. GEOGRAPHY. Ph.B., Chicago, 30, S.M., 31. Instr. geog., State Col. Wash, 31-35; regional planner, Tenn. Valley Authority, 35-40; sr. planning technician, Nat. Resources Planning Bd., D.C., 40-42; chief economist, War Prod. Bd., 42-44; chief res., Cincinnati Planning Cmn, 44-46; res. dir. soc. sci. res. proj., Michigan, 46-48; chief area develop. div., U.S. DEPT. COMMERCE, 48-55, dir. off. area develop., 55-61, asst. adminstr. planning & res. area develop. Admin, 61-63, econ. adv. to adminstr., 63-65, asst. dir. off. regional develop. planning, Econ. Develop. Admin, 65-66, SPEC. ASST. TO FED. CO-CHMN., UPPER GREAT LAKES REGIONAL CMN, 66- Consult. prof., dept. geog., Maryland, 51-65. Alternate U.S. del. working party indust. cmt., Orgn. Econ. Develop. & Coop., Paris, 60-66; mem. cmt. sci. & tech. base of P.R. econ., Nat. Acad. Sci., 65-67. Meritorious serv. award, U.S. Dept. Commerce, 61. Fel. AAAS; Asn. Am. Geog.(award, 56); Inst. Planners; Soc. Planning Off. Regional and urban planning; economic and urban geography. Publ: Economy of the Cincinnati metropolitan area; co-auth, Economic development Atlas-recent changes in regions and states & Economic programs for labor surplus areas in selected countries of Western Europe. Address: Upper Great Lakes Regional Commission, 2001 Wisconsin Ave. N.W., Washington, D.C. 20235.
- ROTH, DR. CHARLES, Psychol, see 10th ed, Soc. & Behav. Vols.
- ROTH, DR. DAVID F, b. Los Angeles, Calif., Mar. 22, 39; m. 65. POLITICAL SCIENCE. B.A., Claremont Men's Col, 60; Hastings Col.(Calif.), 60-61; M.A., San Francisco State Col, 65; California, Berkeley, 66; Good Neighbors Abroad, Inc. fel., Claremont Grad. Sch. & Univ. Center, 67-68, Ph.D.(polit. sci), 68. Seminar coordinator, Good Neighbors Abroad, Inc., 60-67; ASST. PROF. POLIT. SCI., WIS. STATE OSHKOSH, 68- Instr., City Col. San Francisco, 66. Polit. Sci. Asn. Communist Party of Union of Soviet Socialist Republics; role of Philippine presidency in the politics of modernization; Middle East tension and a model for compromise. Address: Dept. of Political Science, Wisconsin State University, Oshkosh, Wis. 54902.
- ROTH, DEAN EARL ALLEN, b. Elmira, Ohio, July 14, 14; m. 41; c. 1. BUSINESS & EDUCATIONAL ADMINISTRATION. B.S., Ohio State, 38, M.A., 40; D.Ed.(col. & bus. admin), Indiana, 54. Prin. pub. schs., Ohio, 34-36, 38-41, dir. bus. ed., 41-43, dir. dist. ed., 45-48; assoc. prof., Bowling Green State, 48-50; Missouri, 50-52; res. asst. sch. bus., Indiana, 52-54; assoc. prof. mkt., EASTERN MICHIGAN, 54-58, prof., 58-60, head dept. bus., 60-62, DEAN, COL. BUS., 62- Dir. state dept. ed., Mo., 51-52. U.S.N., 43-45. Mkt. Asn; Sales & Mkt. Execs. Int; Nat. Bus. Ed. Asn; Nat. Asn. Teachers Bus. Ed. Consumer attitudes and shopping habits; application of scientific techniques to educational administration; marketing management; sales personnel development; educational and institutional management. Address: 101 Elm St, Ypsilanti, Mich. 48197.
- ROTH, PROF. HAROLD H, b. New York, N.Y., Nov. 18, 09. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A., City Col. New York, 31; M.A., Columbia, 39; M.A., American Univ, 43, Ph.D.(pub. admin, govt), 58; LL.B., Washington Col. Law, 64. Instr. Eng., City Col. New York, 31-45; asst. prof. GOVT. & PUB. ADMIN., AMERICAN UNIV, 46-48, assoc. prof., 48-58, PROF., 58- Polit. Sci. Asn; Soc. Pub. Admin; Acad. Polit. & Soc. Sci. Law; government. Address: School of Government & Public Administration, American University, Washington, D.C. 20016.
- ROTH, PROF. JACK J(OSEPH), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- ROTH, PROF. JULIUS A(LFRED), b. Haledon, N.J., July 19, 24; m. 49; c. 3. SOCIAL PSYCHOLOGY. A.M., Chicago, 50, Carnegie fel, 53-54, Ph.D. (human develop), 54. Asst. soc. sci., Chicago, 51-53, indust. rels. center, 54, res. assoc., cmt. human develop., 55-59; Community Studies, Kansas City, Mo, 59-60; res. scientist & proj. dir., res. center, N.Y. Sch. Soc. Work Columbia, 60-64; assoc. prof. SOCIOL., Boston, 64-66; PROF., CALIFORNIA, DAVIS, 66- U.S.A., 44-45. AAAS; Sociol. Asn; Psychol. Asn; Soc. Study Social Probs; Anthropol. Asn. Social psychology and institutions; sociology of work; social process. Publ: Timetables, Bobbs, 63; Rehabilitation of the unwanted, Atherton, 67; Hired hand research, Am. Sociologist, 8/66. Address: Dept. of Sociology, University of California, Davis, Calif. 95616.
- ROTH, PROF. NORMAN R(APHAEL), b. Rochester, N.Y., Dec. 18, 21; m. 46; c. 2. SOCIOLOGY. B.A., Hobart Col, 42; M.A., Rochester, 49; M.A. & Ph.D., Columbia, 50. Asst. prof. sociol. & in charge pre-prnl. soc. work curriculum, Maryland, 50-56; from asst. prof. to assoc. prof. SOC. WORK, Syracuse, 56-66; PROF., SACRAMENTO STATE COL, 66- Surv. dir., Residential Relocation Surv., Binghamton, N.Y., 62-63; tech. assistance expert, UN Tech. Assistance Bd., Uganda, 63-65. Consult. div. pupil personnel, State Dept. Ed., Md, 51-; exec. secy. & consult., Citizens Welfare Cmt., Syracuse, N.Y., 65-66. Mem. res. cmt., Coun. Social Work Ed, 58-, chmn. cmt., 61, chmn. faculty conf. day, 66-67. U.S.A.A.F., 43-46. Sociol. Asn; Rural Sociol. Soc; Adult Ed. Asn; Asn. Social Workers. Community organizations; mental hygiene; sociology of education; social work. Publ: Juvenile delinquency: some roots and branches; Reaching the hard-to-reach: a report of the Huntington-Gifford project with hard-to-reach youth; Alcoholism in Onondaga County; penitentiary commitments and related public welfare services. Address: School of Social Work, Sacramento State College, 6000 J St, Sacramento, Calif. 95819.
- ROTH, PROF. RAYMOND E(DWARD), Statist, see 11th ed, Phys. & Biol. Vols.
- ROTH, PROF. ROBERT HOWARD, b. Newark, N.J., Jan. 15, 33; m. 57; c. 2. PSYCHOLOGY. B.S., Juilliard Sch. Music, 53; M.A., Columbia, 56, Ed.D.

- (psychol), 60. Instr. PSYCHOL, Union Col, 59-60; Newark State Col, 60-63; asst. prof. ed, Hunter Col, 63-65; assoc. prof. PSYCHOL, NEWARK STATE COL, 65-68, PROF, 68-; CHMN. DIV, 67-; dir. child study center, 62-63. Consult, lab. psychol. studies, Stevens Inst. Tech, 63-64; dir. psychol. serv, Metrop. Area Consult. Center, Union, N.J., 65-67; dir. adult serv, SRI Consult. Center, 67-; consult, Andrew Freedman Home, Bronx, N.Y., 67- AAAS; Psychol. Assn; Acad. Polit. & Soc. Sci; Geront. Soc; Orthopsychiat. Assn; Group Psychother. Assn; Soc. Psychol. Study Social Issues; Personnel & Guid. Assn. Clinical and social psychology; personality; psychodiagnosis; psychotherapy. Publ: Abnormal psychology: disorders of behavior and experience, Assoc. Ed. Serv. Corp, 68; co-auth. Field experiences in clinical psychology, Ment. Hyg. 66 & Voyeurism and exhibitionism, Perceptual & Motor Skills, 67. Address: Psychology Division, Newark State College, Union, N.J. 07083.
- ROTH, PROF. ROBERT M (ARTIN), b. New York, N.Y., Mar. 23, 29; m. 56; c. 3. PSYCHOLOGY. A.B. Indiana, 50; M.S., City Col. New York, 51; Hogg Found. fel, Texas, 56, Ph.D. 56. Psychologist & counsr, Texas, 54-56; clin. psychologist, Brown Sch. Except. Children, 56; assoc. prof. psychol. & dir. psychol. serv, Hampton Inst, 56-63, dir. Nat. Defense Ed. Act Counseling & Guid. Training Inst, 61, 62; from asst. prof. to PROF. PSYCHOL, ILL. INST. TECH, 63- Lectr, George Washington, 60-; dir, ESSO Ed. Found. grant, 66-68. Consult, VISTA. Dipl. counseling psychol, Am. Bd. Exam. Prinl. Psychol, 65. AAAS; Psychol. Assn; Personnel & Guid. Assn. Psychotherapy, especially change in students' patterns of achievement; personality theory as it relates to achievement. Publ: Mother-child relationship evaluation; co-auth. Psychology of vocational development, Allyn & Bacon, 68; The non-achievement syndrome, Personnel & Guid., J. 63. Address: Dept. of Psychology, Illinois Institute of Technology, Chicago, Ill. 60616.
- ROTHAUS, DR. PAUL, b. Brooklyn, N.Y., Apr. 8, 30; m. 53; c. 3. CLINICAL & SOCIAL PSYCHOLOGY. B.B.A., City Col. New York, 53; W. Tex. State Col, 55-56; fel, Texas, Austin, 58-59, Ph.D.(psychol), 60. Staff psychologist, VET. ADMIN. HOSP, 60-62, psychologist, human rels. training lab, 62-63, res. assoc, 53-65, RES. PSYCHOLOGIST, 65- Lectr, Univ. Houston, 65-66. Private practice, 64- Vpres. human rels. training labs, Nat. Leadership Inst, 64- Psychol. Assn; Group Psychother. Assn. Publ: Ego-support, communication, catharsis, and hostility, J. Personality, Vol. 32, No. 2; The anticipation and management of crisis on an open psychiatric ward, J. Appl. Behav. Sci, Vol. 2, No. 4; Participation and sociometry in autonomous and trainer-led patient groups, J. Counseling Psychol, Vol. 13, No. 1. Address: 527 Ashford Forest, Route 4, Houston, Tex. 77036.
- ROTHBARD, DR. MURRAY N (EWTON), b. New York, N.Y., Mar. 2, 26; m. 53. ECONOMICS. A.B. Columbia, 45, M.A. 46, Volker Fund grant, 53-56, Ph.D. 56. Instr. econ, City Col. New York, 48-49; res. economist, Inst. Pub. Serv. Grant, 52; economist, William Volker Fund, 54-62; res. grant, Found. For. Affairs, Chicago, 63-66; ASSOC. PROF. ECON. POLYTECH. INST. BROOKLYN, 66- Economist, Princeton Panel, 57-61. Econ. Assn; Polit. Sci. Assn; Hist. Assn; Econ. Hist. Assn. Government and the economy; history of economic theory and opinion; history of the United States. Publ: Man, economy and state: a treatise on economic principles; Panic of 1819: reactions and policies; America's great depression: causes of 1929. Address: 215 W. 88th St, New York, N.Y. 10024.
- ROTHBART, DR. MYRON, b. Chicago, Ill., Jan. 22, 39; m. 62; c. 2. PSYCHOLOGY. B.A., Reed Col, 62; Ph.D.(psychol), Stanford, 66. ASST. PROF. PSYCHOL, McGill, 66- Nat. Res. Coun. Can. res. grant, 68-69. Psychol. Assn; Soc. Psychol. Study Soc. Issues. Motivational aspects of attitude formation and change; dyadic interaction processes. Publ: Factors influencing the use of reward and punishment by subjects attempting behavior modification, Proc. Ann. Convention Am. Psychol. Assn, 68. Address: Dept. of Psychology, McGill University, Montreal 2, Que, Can.
- ROTHBAUM, PROF. MELVIN, b. New York, N.Y., Jan. 5, 26; m. 48; c. 2. ECONOMICS. A.B. Harvard, 49, A.M. 51, Ph.D.(econ), 55. Supvr, case anal. div, Wage Stabilization Bd, 51-52; res. assoc. econ, Harvard, 53-56, instr. 56-57; asst. prof, California, Los Angeles, 57-62; assoc. prof. LABOR & INDUST. RELS, ILLINOIS, URBANA, 62-67, PROF, 67- Sr. staff economist, Coun. Econ. Adv, 64-65, consult, 65- Consult, Center Study Democratic Insts, 60-62; Nat. Manpower Policy Task Force, 67- Mem. meeting experts on progs. adjustment to automation & adv. tech. change, Int. Labor Off, 67- A.U.S., 44-46, S/Sgt. Econ. Assn; Indust. Rel. Res. Assn. Wage structure; international wage comparisons; government of national unions; national wage-price policy; collective bargaining; relation of welfare programs and minimum wages to incentives to work. Publ: Government of the oil, chemical and atomic workers union, Wiley, 62; National wage structure comparisons, In: New concepts in wage determination, McGraw, 57; Wage-price policy and alternatives, In: Challenges to collective bargaining, Prentice-Hall, 67. Address: Dept. of Labor & Industrial Relations, University of Illinois, 504 E. Armory Ave, Champaign, Ill. 61820.
- ROTHBLATT, DR. MORRIS, b. New York, N.Y., Jan. 2, 37; m. 64. POLITICAL SCIENCE. B.A., City Col. New York, 62; M.A., New Sch. Soc. Res, 64; Ph.D.(polit. sci), 67. ASST. PROF. POLIT. SCI, FAIRLEIGH DICKINSON, 67- Polit. Sci. Assn. American constitutional law and judicial behavior; political philosophy. Address: 725 Scotland Rd, Orange, N.J. 07050.
- ROTHCHILD, PROF. DONALD S, b. New York, N.Y., Aug. 11, 28; m. 53; c. 2. POLITICAL SCIENCE. B.A., Kenyon Col, 49; M.A., California, 54; Ph.D., Hopkins, 58. Instr. POLIT. SCI, McCoy Col, Hopkins, 55-57; Colby Col, 57-59, asst. prof, 59-62, ASSOC. PROF, 62-65; CALIFORNIA, DAVIS, 65- Fulbright vis. lectr, Makerere Col, Uganda, 62-64; Rockefeller field staff ar. lectr, Univ. Col. Nairobi, Kenya, 66-67. U.S.A., 50-52, Sgt. African government and politics; minorities; national and regional integration. Publ: Toward unity in Africa, Pub. Affairs, 60; Politics of integration, E.African Pub. House, 68; Uganda, In: National unity and regionalism in eight African states, Cornell, 66. Address: Dept. of Political Science, University of California, Davis, Calif. 95616.
- ROTHER, DR. HAROLD F (REDERICK), b. Boston, Mass., Aug. 11, 14; m. 44; c. 3. PSYCHOLOGY. A.B. Bates Col, 39; M.A., Minnesota, 41, Ph.D.(psychol), 44. Instr. psychol, Minnesota, 43; consult. indust. psychologist, Stevenson, Jordan & Harrison, Inc, 44-51; personnel dir, Am. Hosp. Supply Corp, 51-53; mgr. personnel, Fairbanks, Morse & Co, 53-60; EXEC. STAFF ASST, BELOIT CORP, 61- Psychol. Assn; Inst. Mgt. Management; organization; production. Publ: Matching men to job requirements, Personnel Psychol; Output rates among chocolate dippers, J. Appl. Psychol; Who's the better leader, the foreman or union steward?, Factory Mgt. & Maintenance. Address: 2013 E. Ridge Rd, Beloit, Wis. 53511.
- ROTHENBERG, DR. ALBERT, b. Bronx, N.Y., June 2, 30; m. 53; c. 3. PSYCHIATRY. A.B. Harvard, 52; M.D. Tufts, 56. Intern, Pa. Hosp, 56-57; resident physician, SCH. MED. YALE, 57-60, chief resident, 60-61, instr. PSYCHIAT, 60-61, 63-64, asst. prof, 64-68, ASSOC. PROF, 68- Nat. Inst. Ment. Health res. career develop. award, 64-69. Sr. attend. physician, P.R. Inst. Psychiat, 61-63; asst. dir, psychiat. inst, Yale, 63-64; asst. attend. in psychiat, Yale New Haven Hosp, Conn, 64- U.S.A., 61-63, Capt. Psychiat. Assn. Creative process; effect of an ordered classroom environment on the education of emotionally disturbed adolescents. Publ: Co-auth. Psychological responses in the human to intracerebral electrical stimulation, Psychosom. Med, 64 & An approach to teaching gifted emotionally disturbed adolescents, Gifted Child Quart, 66; auth. The iceman changeth: toward an empirical approach to creativity, J. Am. Psychoanal. Assn, 68. Address: Dept. of Psychiatry, Yale University School of Medicine, 333 Cedar St, New Haven, Conn. 06510.
- ROTHENBERG, DR. BARBARA B (ROSS), b. Yonkers, N.Y., June 1, 40; m. 64. CHILD PSYCHOLOGY. B.S., Carnegie Inst. Tech, 62; Ph.D.(child develop), Cornell, 67. Teaching asst, lab. nursery sch, Cornell, 62-63; intern clin. child psychol, sch. med, Washington (Seattle), 64-65, psychol. exam, pediat. clin, 65, psychologist, congenital defects clin, 66; ASSOC. RES. PSYCHOLOGIST, ED. TESTING SERV, 66- Nat. Inst. Ment. Health traineeships, Cornell, 63-65; lectr, Rutgers, 67-68. Psychol. Assn; Soc. Res. Child Develop. Personality development, particularly social sensitivity and coping strategies in children; cognitive development in children; child psychopathology. Publ: Children's social sensitivity and the relationship to interpersonal competence, intrapersonal comfort and intellectual level, 5/68, Preschool children's understanding of the coordinated concepts of distance, movement, number and time, 6/68 & Learning of conservation of number among kindergarten children: a series of training studies, Ed. Testing Res. Bull, 7/68. Address: Developmental Research Division, Educational Testing Service, Princeton, N.J. 08540.
- ROTHENBERG, PROF. JEROME, b. New York, N.Y., Feb. 6, 24; m. 48; c. 3. ECONOMICS. Nat. Inst. Pub. Affairs fel. & A.B. Columbia, 45, A.M. 47, Ph.D.(econ), 54. Instr. ECON, Amherst Col, 49-54; Massachusetts, 53-54; asst. prof, California, 54-57; Chicago, 57-60; assoc. prof, Northwestern, 60-62, PROF, 62-66; MASS. INST. TECH, 66- Fel. Center Adv. Study Behav. Sci, 56-57; vis. fel, Nuffield Col, Oxford, 65-66; Ford Found. faculty res. fel, 65-66. Consult, Rand Corp, 62-; Bendix Corp, 63-; Resource Mgt. Corp, 67- Mem. cmt, Urban Pub. Econ, 62- U.S.A., 43. Econ. Assn; Economet. Soc. Economic and welfare economic theory; mathematical economics; welfare theory; applied welfare economics; theory of the public sector; urban economics. Publ: The measurement of social welfare, Prentice-Hall, 61; A model of economic and political decision making, In: The public economy of urban communities, Resources for Future, 65; Economic evaluation of urban renewal, Brookings Inst, 67. Address: Dept. of Economics, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- ROTHENBUHLER, PROF. WALTER C (CHRISTOPHER), Zool, see 11th ed, Phys. & Biol. Vols.
- ROTHKOPF, DR. ERNST Z (ACHARIAS), b. Vienna, Austria, Dec. 28, 25; nat; m. 52; c. 3. EXPERIMENTAL PSYCHOLOGY. A.B. Syracuse, 48; M.A., Connecticut, 51, Ph.D.(psychol), 53. Res. assoc, Connecticut, 51-52; res. psychologist, Air Force Personnel & Training Res. Center, Chanute Air Force Base, Ill, 52-57, Lowry Air Force Base, Colo, 57; asst. prof, Rensselaer Polytech, 57-58; mem. tech. staff, BELL TEL. LABS, INC, 58-66, SUPVR. LEARNING & INSTRUCTIONAL PROCESSES RES. GROUP, 66- Vis. lectr, California, 67; adj. prof, N.Y. Univ, 67- U.S.A., 44-47, 1st Lt. Fel. Psychol. Assn; Psychonomic Soc; Ed. Res. Assn. Behavior theory; human discrimination and verbal learning; programmed instruction. Publ: Repetition interval and rehearsal method in learning equivalences from written sentences, J. Verbal Learning & Verbal Behav, 63; Some theoretical and experimental approaches to problems in written instruction, In: Learning and the educational process, Rand McNally, 65; Textual constraint as function of repeated inspection, J. Ed. Psychol, 68. Address: Bell Telephone Labs, Inc, Murray Hill, N.J. 07971.
- ROTHMAN, DR. EDWIN, b. Newark, N.J., Aug. 12, 16; m. 52; c. 2. POLITICAL SCIENCE. B.A., Minnesota, 38; scholar, & M.A., Wisconsin, 39; scholar & Ph.D. Hopkins, 50. Instr. dept. polit. sci, Detroit, 47-49; DIR. RES. BUR. MUNIC. RES. & PA. ECON. LEAGUE, 50- Instr, Temple, 55-56; Pennsylvania, 58-59, lectr, 65. Consult, Cmt. Metrop. Study, Phila, 56-57. U.S.A., 42-46. Polit. Sci. Assn; Govt. Res. Assn (award, 53); Soc. Pub. Admin. Public administration; local government and politics; international relations. Publ: Co-auth. Improved transportation for southeast Pennsylvania, 60 & auth. Regulating use of school children's money, 67, Pa. Econ. League; Report on the Philadelphia municipal pension fund. Address: 2068 N. John Russell Circle, Elkins Park, Pa. 19117.
- ROTHMAN, DR. ESTHER P (OMERANZ), b. New York, N.Y., Nov. 25, 19; m. 46; c. 1. PSYCHOLOGY. B.A., Hunter Col, 42; M.A., Columbia, 46; M.A., City Col. New York, 51; Ph.D., N.Y. Univ, 57. Teacher, retarded children, N.Y., 43-44; pub. schs, 44-49; Bellevue Psychiat. Hosp, New York, 49-55, 56-57; clin. psychologist, Univ. Hosp, 55-56; PRIN. LIVINGSTON SCH. FOR GIRLS, 58- Supvr, N.Y. Univ, 57; res. supvr, Shield of David, 57- Consult, Girls Serv. League, N.Y., 57-; Center Urban Ed, 66- Mem. Coun. Exp. Children, 61-, pres. chap, 65- Psychol. Assn; Orthopsychiat. Assn. Therapeutic procedures and educational programs for retarded children; educational programs, psychological testing and therapy of disturbed children; remedial reading; psychopathology. Publ: Co-auth. Disturbed child; Public education for disturbed children in New York City, N.Y. Univ. Press, 67; auth. Some aspects of relationship between perception and mobility in children, Genetic Psychol. Monogr. Address: 200 E. 16th St, New York, N.Y. 10003.

- ROTHMAN, PROF. STANLEY, b. U.S. Aug. 4, 27; m. 56; c. 2. POLITICAL SCIENCE. B.S.S. City Col. New York, 49; A.M. Brown, 51; Smith scholar, Harvard, 52-53, univ. fel, 52-56, univ. traveling fel, summer, 55, Ph.D. 58. Instr. GOVT. SMITH COL, 56-59, asst. prof, 59-65, ASSOC. PROF, 65- Vis. asst. prof, Yale, 62. Summers, lectr, City Col. New York, 50; Instr, Harvard, 57-58; asst. prof, Massachusetts, 59-61. U.S.N. 45-46. Polit. Sci. Asn. Comparative politics; political theory and methodology. Publ: Systematic political theory: observations on the group approach & Revival of classical natural right, Am. Polit. Sci. Rev; Modernity and tradition in British politics, Soc. Res. Address: Dept. of Government, Smith College, Northampton, Mass. 01060.
- ROTHNEY, DEAN GORDON O(LIVER), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- ROTHNEY, PROF. JOHN W(ATSON) M(URRAY), b. Aberdeen, Scotland, Apr. 10, 06; nat; m. 45; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. Alberta, 30; Ed.M. Harvard, 32, Ed.D. 34. Teacher & prin, Meriden Jr. Col, 34-35; asst, psycho-ed. clin, Harvard, 35-39, res. assoc, 36-37, instr. & lectr, 38-39; instr. ed. psychol, Wellesley Col, 36-38; asst. prof. ED, WISCONSIN, 39-42, assoc. prof, 47-49, PROF, 49- Res. assoc, Progressive Ed. Asn, 36-41. Statist. consult, Dartmouth Eye Inst, 36-41. U.S.A.A.F, 42-46. Fel. Psychol. Asn. Mental and physical growth of children and youth; evaluation of effects of counseling and guidance; motivation of college students. Publ: Guidance practices and results; Measurement for guidance; co-auth, Guidance of American youth. Address: 522 E. Lakeview Ave, Madison, Wis. 53706.
- ROTHROCK, JOHN B(LAINE), Econ, Statist, see 10th ed, Soc. & Behav. Vols.
- ROTHSCHILD, PROF. DONALD A, b. Madison, S.Dak, Apr. 00; m. 26; c. 2. PSYCHOLOGY. B.A. Illinois, 24, M.A. 27; Eastman fel, Iowa, 30-32, Ph.D. (psychol), 32. Prin. & prof. ed. & psychol, EASTERN ILLINOIS, 30-44, prof. psychol, 44-68, dir. testing serv, 57-68, EMER. PROF. PSYCHOL, 68- Dir, Am. Samoa, 55-57. U.S.A., 18. Fel. Psychol. Asn. Clinical evaluation. Address: Dept. of Psychology, Eastern Illinois University, Charleston, Ill. 61920.
- ROTHSCHILD, DR. JACOB, b. Zurich, Switz, June 22, 22; nat; m. 53; c. 1. PSYCHOLOGY. Ph.D. (psychol), Zurich, 48. Staff psychologist, Jewish Bd. Guardians, 48-49; Blythedale Hosp, 49-55; chief psychologist, Indust. Home for Blind, 55-63; PSYCHOLOGIST, 63- Lectr, grad. sch. ed, Yeshiva, 59-60. Staff psychologist, Coun. Child Develop. Center, 49-51; N.Y. Infirmary & Bellevue Child Guid. Clin, 50-51; Westchester Cerebral Palsy Asn, 52-55; psychotherapist, Jamaica Center Psychother, 59-63. Swiss Air Force, 42-47. Psychol. Asn. Individual and group psychotherapy. Address: 83-28 Abingdon Rd, Kew Gardens, N.Y. 11415.
- ROTHSCHILD, DR. JOSEPH, b. Fulda, Germany, Apr. 5, 31; nat; m. 59. COMPARATIVE GOVERNMENT. A.B. Columbia, 51, A.M. 52; Kellett fel, Oxford, 52-55, D.Phil, 55. Instr. GOVT. COLUMBIA, 55-58, asst. prof, 58-62, assoc. prof, 62-68, PROF, 68- Guggenheim fel, 67-68. Polit. Sci. Asn; Asn. Adv. Slavic Studies; Acad. Polit. Sci. Modern political history of East Central Europe; East European area studies. Publ: Communist party of Bulgaria: origins and development, 1883-1936, 59 & Pilsudski's coup d'etat, 66, Columbia; Communist Eastern Europe, Walker, 64. Address: 601 Hamilton Hall, Columbia University, New York, N.Y. 10027.
- ROTHSTEIN, DR. CHARLES, b. New York, N.Y., Sept. 15, 28; m. 50; c. 4. PSYCHOLOGY. B.A. Buffalo, 51, Ph.D. 56. Clin. psychologist, VET. ADMIN. CENTER, TOGUS, 56-60, CHIEF PSYCHIAT. RES. LAB. CLIN. RES, 60- Lectr, Maine, 59. Consult, Pineland State Training Center, 58-60; Kennebec Ment. Health Clin, 60- Med.C, U.S.A., 46-48, Res, 56- Capt. AAAS; Psychol. Asn. Chemotherapy in mental illness; psychosomatic medicine; personality theory; psychiatric ward administration. Publ: Hostility and dependency conflicts in peptic ulcer patients, Psychol. Reports; Evaluation of the effects of discontinuation of chlorpromazine, New Eng. J. Med; Psychiatric continued treatment ward program, Psychiat. Quart. Address: 72 Parkwood Dr, Augusta, Maine 04332.
- ROTHSTEIN, DR. HARVEY J(ONES), b. New York, N.Y., Apr. 29, 19; m. 52; c. 1. PSYCHOLOGY. B.S. Long Island, 41; M.A. Columbia, 42, Ph.D. (clin. psychol), 53. Voc. psychologist, St. Albans Naval Hosp, 47-48; Halloran Vet. Admin. Hosp, 48-49; clin. psychologist, Brooklyn Ment. Hyg. Clin, 49-52; CHIEF COUNSELING SECT. F.D. ROOSEVELT VET. ADMIN. HOSP, 53- Consult, Jewish Bd. Guardians, Hawthorne Cedar Knoll Sch, 54- U.S.A., 42-46. Psychol. Asn. Psychotherapy and rehabilitation of schizophrenics; personality dynamics in vocational selection, rehabilitation and adjustment; training and program development for ward and hospital psychologists; educational-vocational habilitation of emotionally disturbed adolescents. Publ: Study of aments with special abilities; Qualitative aspects of the Wechsler-Bellevue intelligence scale. Address: 3103 Fairfield Ave, Riverdale, N.Y. 10463.
- ROTHSTEIN, PROF. JEROME HAROLD, b. New York, N.Y., Mar. 24, 15; m. 41; c. 3. CLINICAL PSYCHOLOGY. B.S. State Col. Iowa, 38; M.A., N.Y. Univ, 42; Princeton, 43-44; Ed.D. Columbia, 48. Training officer rehab, U.S. Vet. Admin, New York, N.Y., 46-47; instr. SPEC. ED, SAN FRANCISCO STATE COL, 48-50, asst. prof, 50-53; assoc. prof, 53-60, PROF, 60- Vis. prof, Hawaii, 53; res. prof, California, 59, res. fel, sch. pub. health, California, Berkeley, 65-66; vis. prof, Puerto Rico, 66-67; Col. Guam, 67- Consult, Calif. Youth Authority, 49-56; State Dept. Ment. Hyg, Calif, 49-; White House Conf. Children, 56. Psychol. Asn; fel. Asn. Ment. Deficiency (v.pres, 65-67). Psychological study of children with mental deficiency and neurological impairment; bibliographical studies including storage, retrieval and dissemination of scientific data in health, education and welfare; psychodiagnostic study of behavioral problems. Publ: Co-auth, Mental retardation; auth, Films of the handicapped, Nat. Ed. Asn; Diagnostic problems in mental retardation. Address: Dept. of Education, San Francisco State College, 1600 Holloway Dr, San Francisco, Calif. 94032.
- ROTHSTEIN, DR. MORTON, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- ROTHSTEIN, DR. RALPH, b. New York, N.Y., July 18, 31; m. 55; c. 2. PSYCHOLOGY. A.B. Michigan, 52; M.A. Connecticut, 53; fel, Massachusetts, 54-57, Ph.D. 59. Intern clin. psychol, med. sch, Northwestern, 57-58; staff psychologist, Mt. Sinai Hosp, Chicago, 58-59; asst. psychol, inst. psychosom. & psychiat. res, med. center, Michael Reese Hosp, 59, U.S. Pub. Health Serv. fel, 59-61, staff psychologist, 61-65; DIR. THERAPEUTIC CENTER EGO DEVIATIONS, WORCESTER YOUTH GUID. CENTER, 65- Instr, Chicago Med. Sch, 59-61; Nat. Inst. Ment. Health res. award, 65-68. Dipl. clin. psychol, Am. Bd. Exam. Prfnl. Psychol, 64. Psychol. Asn. Personality development; ego development in children; parent-child interaction; impression formation; psychopathology. Publ: Authoritarianism and mens reactions to sexuality and affection in women, J. Abnorm. & Soc. Psychol; Explorations of ego structures of firesetting children, Arch. Gen. Psychiat, 9/63; co-auth, Unconscious self evaluation as a function of availability of cues, J. Consult. Psychol, 63. Address: Worcester Youth Guidance Center, 275 Belmont St, Worcester, Mass. 01604.
- ROTHWELL, DORIS P, b. New York, N.Y., Aug. 3, 05. ECONOMICS, STATISTICS. A.B. Mt. Holyoke Col, 26; M.A. American Univ, 44. Chief br. consumer goods & serv. prices & cost living div, BUR. LABOR STATIST, U.S. DEPT. LABOR, 30-67, CHIEF DIV. CONSUMER PRICES & PRICE INDEXES, OFF. PRICES & LIVING CONDITIONS, 67- Statist. Asn. Prices; economic analysis. Publ: Interim adjustment of the consumer price index; Varying seasonal weights in price index construction; Consumer price index: history and techniques, U.S. Bur. Labor Statist. Bull. 1517, 66. Address: 5863 Chevy Chase Pkwy. N.W., Washington, D.C. 20015.
- ROTHWELL, PROF. KENNETH J(AMES), b. Perth, Australia, Oct. 13, 25; m. 52; c. 3. ECONOMICS. A.B. Western Australia, 49, M.A. 55; Stockholm, 51-52; fel, Harvard, 55-57, Ph.D. 60. Econ. asst, Reserve Bank Australia, 46-55; res. assoc. int. econ, grad. bus. sch, Harvard, 56-57; asst. prof. ECON, Bucknell, 57-60; Dartmouth Col, 61-63; assoc. prof, NEW HAMPSHIRE, 63-66, PROF, 67-, acting dean, Whittemore Sch. Bus. & Econ, 66-67. Ford Found. summer res. fel, 59; vis. prof, Western Australia, 65; coordinator int. studies, New Eng. Center Continuing Ed, 67- Consult, Pan Am. Union, 62-63; Acad. Intersci. Methodology, 64. Econ. Asn; African Studies Asn; Soc. Int. Develop; Asn. Latin Am. Studies. Publ: Co-auth, Theoretical issues in international economics, Houghton, 67; auth, Export taxes in underdeveloped countries, Pub. Finance, 63; Foreign borrowing costs, Indian Econ. J, 64. Address: Whittemore School of Business & Economics, University of New Hampshire, Durham, N.H. 03824.
- ROTHWELL, PROF. STUART CLARK, b. Minoa, N.Y., July 9, 18; m. 43; c. 3. GEOGRAPHY. M.A. Syracuse, 52, Watson fel, 54-55, univ. fel, 55, Ph.D. (geog), 56. Asst. GEOG, Syracuse, 51-54; asst. prof, St. Lawrence, 56-57; assoc. prof, E.Carolina Col, 57-58; asst. prof, Miami (Fla), 58-61, assoc. prof, 61-66; ASST. PROF, SOUTH FLORIDA, 66- Off. Naval Res. fel, 59-60. U.S.A., 42-44, 1st Lt. Asn. Am. Geog. Regional and economic geography of Latin America. Publ: The old Italian colonial zone of Rio Grande do Sul State, Brazil: a geographic interpretation; Ports and hinterlands of Rio Grande do Sul State, Brazil. Address: Dept. of Geography, University of South Florida, Tampa, Fla. 33620.
- ROTMAN, DR. SAUL R, b. Boston, Mass, Dec. 25, 14; m. 43; c. 5. PSYCHOLOGY. B.S. Boston, 39, M.S. 41, Ph.D. (clin. psychol), 54. Voc. adv. Vet. Admin, 46-48, clin. psychologist, 48-50, 52-54; chief clin. psychol. serv, VET. ADMIN. HOSP, Sunmount, N.Y., 54-60, CHIEF PSYCHOL. SERV, St. Cloud, Minn, 60-63, NORTHAMPTON, MASS, 63- Lectr, grad. sch, Massachusetts, Amherst, 67. U.S.A., 41-46, 50-52, Lt. Col. Psychol. Asn; Soc. Proj. Tech. & Personality Assessment. Alcohol problems; chronic illness. Address: Veterans Administration Hospital, Northampton, Mass. 01060.
- ROTSTAN, DR. JOHN ARTHUR, b. Los Angeles, Calif, Mar. 11, 29; m. 53; c. 3. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A. Whittier Col, 57, M.Ed. 60; M.A. Claremont Grad. Sch. & Grad. Center, 62, Nat. Sci. Found, Nat. Defense Ed. Act, Lincoln & instrnl. fels, 62-65, Ph.D. (govt), 65. Chmn. dept. soc. sci, high schs, Calif, 58-66; assoc. dir. inst. pub. affairs, Wis. State, Platteville & assoc. prof. POLIT. SCI, 66-67; ASST. PROF, FRESNO STATE COL, 67- U.S.A., 51-53. Polit. Sci. Asn; Soc. Pub. Admin. Address: Dept. of Political Science, Fresno State College, Fresno, Calif. 93726.
- ROTTENBERG, PROF. SIMON, b. Providence, R.I., Aug. 22, 16; m. 39; c. 1. ECONOMICS. A.B. George Washington, 39; American Univ, 40-41; M.A., Harvard, 48, Soc. Sci. Res. Coun. fel, 49-50, Ph.D. 50. Labor economist, War Prod. Bd, 43; prof. econ, Puerto Rico, 47-52, dir. Soc. Sci. Res. Center, 47-49, Labor Rels. Inst, 50-52; res. fel, Chicago, 52-53, asst. prof. econ, 53-56, assoc. prof, 56-61; PROF, Roosevelt, 61-62; indust. rels, Buffalo, 62-65; ECON, DUKE, 65- Extra-mural lectr, Univ. Col. West Indies, 51, 52; dir. econ. res. center, Cath. Univ. Chile, 56-58; vis. res. fel, London Sch. Econ, 67; Simon vis. prof, Manchester, 68. U.S.N., 43-46. Am. Econ. Asn; Royal Econ. Soc. Economics of growth; labor economics; economics of law enforcement; medical economics. Publ: Income and leisure in an underdeveloped economy, 4/52 & The baseball players' labor market, 6/65, J. Polit. Econ; Liability in law and economics, Am. Econ. Rev, 3/65. Address: 1601 Hermitage Court, Durham, N.C. 27707.
- ROTTER, DR. GEORGE S(OLOMAN), b. Brooklyn, N.Y., Nov. 30, 29; m. 65. PSYCHOLOGY. B.A. Brooklyn Col, 54; Ph.D. (psychol), N.Y. Univ, 64. Sr. tech. aide, Bell Tel. Labs, 57-61; asst. prof. PSYCHOL, Long Island, 64-67; ASSOC. PROF, KINGSBOROUGH COMMUNITY COL, 67- Psychol. Asn; Int. Studies Asn; Soc. Psychol. Study Social Issues. Studies of the disadvantaged; communication; conformity. Publ: Co-auth, Time perspective, consistency of attitude, and social experience, J. Abnorm. & Soc. Psychol, 61; The influence of political anchors on Presidential elections, J. Soc. Psychol, 66; auth, An experimental evaluation of group attractiveness as a determinant of

conformity, *Human Rels*, winter 67. Address: Dept. of Psychology, Kingsborough Community Col, Brooklyn, N.Y. 11235.

ROTTER, PROF. JULIAN B(ERNARD), b. New York, N.Y., Oct. 22, 16; m. 41; c. 2. PSYCHOLOGY. B.A., Brooklyn Col, 37; M.A., Iowa, 38; fel., Indiana, 40-41, Ph.D.(clin. psychol.), 41. Intern, Worcester State Hosp, 38-39; asst., Indiana, 39-40; psychologist, Norwich State Hosp, 41-42; assoc. prof. clin. psychol., Ohio State, 46-49, prof., 49-63, dir. psychol. clin., 51-63; PROF. CLIN. PSYCHOL. & DIR. CLIN. PSYCHOL. TRAINING PROG, CONNECTICUT, 63- Consult, U.S. Vet. Admin, 47; surgeon gen., U.S. Dept. Army, 53; Peace Corps, 62- U.S.A.A.F., 42-46. Fel. Psychol. Assn. Measurement of personality; personality theory; social learning theory. Publ: Psychotherapy, In: Annual review of psychology; Social learning and clinical psychology; Manual for the Rotter incomplete sentence blank. Address: Dept. of Psychology, University of Connecticut, Storrs, Conn. 06268.

ROTTER, DR. PAUL, b. Brooklyn, N.Y., Aug. 3, 21; m. 47; c. 3. AUDIOL-OGY. B.S. & M.A., Columbia, 47, Ed.D., 59. Teacher, LEXINGTON SCH. FOR DEAF, 47-48, teacher & asst. to supt., 48-57, asst. to supt. & suvr. upper sch., 59-64, proj. coordinator, fed. res. proj., Off. Voc. Res. grant, 61-62, ASST. SUPT. SCH., 64- Lectr., teachers col., Columbia, 47-56. Consult, Univ. Illinois, Urbana, 67. Psychol. Assn; Acoustical Soc; Soc. Res. Child Develop. Development of group hearing aids; vocational status of the deaf with a view toward revision of curricula in schools for the deaf. Publ: Review of the literature pertaining to the preparation of teachers of the deaf; Parents role in encouraging speech growth, *Volta Rev*; Mental health approach to teaching speech to the deaf, *Teacher of the Deaf*. Address: 139-02 232nd St, Laurelton, N.Y. 11413.

ROTWEIN, PROF. EUGENE, b. New York, N.Y., Feb. 25, 18; m. 41; c. 2. ECONOMICS. B.A. & M.A., Wisconsin, 39; fel., Brookings Inst, 41; Ph.D., Chicago, 50. Res. economist, Off. Price Admin, 42-44; asst. prof. ECON., Elmhurst Col, 44-46, assoc. prof., 46-47; lectr., Wisconsin, 47-48, asst. prof., 48-52, assoc. prof., 52-59, PROF., 59-64; QUEEN'S COL.(N.Y.), 64- Carnegie Found. teaching grant, Columbia, 53-54. Consult, Fed. Reserve Bank San Francisco, 61-62; antitrust div., U.S. Dept. Justice, 63-64. Econ. Assn. Theory of price; history of economic thought; economics of imperfect competition. Publ: Ed. David Hume, writings on economics; On the methodology of positive economics, *Quart. J. Econ.*, 11/59; Economic concentration and monopoly in Japan, *J. Polit. Econ.*, 6/64. Address: Dept. of Economics, Queen's College, Flushing, N.Y. 11367.

ROUCEK, PROF. JOSEPH S(LABEY), b. Prague, Czech, Sept. 30, 02. SOCIAL SCIENCE. B.A., Occidental Col, 25; California, 25-27; Penfield fel., N.Y. Univ., 27-28, Ph.D., 27, M.A., 37. Asst. psychol., Occidental Col, 25; dir. Yorkville br., League Am. Citizenship, New York, 27-29; instr. govt., N.Y. Univ., 29, instr. ed. & lectr. soc. studies, 35-39; prof. soc. sci. & head dept., Centenary Jr. Col., N.J., 29-33; vis. prof. sociol., Pa. State, 33-34, lectr. soc. studies, 34-35; asst. prof. sociol., Hofstra Col, 39, assoc. prof. polit. sci. & sociol. & chmn. dept. polit. sci., 39-48; prof. sociol. & polit. sci. & chmn. dept., Bridgeport, 48-67; PROF. SOC. SCI., QUEENSBOROUGH COMMUNITY COL, 67- Vis. prof., N.Y. Univ., 37-38; Kent State, 40; San Francisco State Col, 41-42, 44-46; Reed Col, 41; Col. of the Pacific, 42. Consult, Inter-Am. Workshop, New Mexico Highlands, 43; Wyoming, 44; San Diego State Col, 45; Occidental Col, 45, 48, 49; British Columbia, 51; Puerto Rico, 52; summer, Portland, 54. Knight, Star of Romania, 33; Knight, Order of the Crown, Yugoslavia, 37. Sociol. Assn; Polit. Sci. Assn. Publ: Co-auth., Behind the Iron Curtain, Caxton, 64; ed., The teaching of history; Philos. Library, 67; auth., The Czechs & Slovaks in America, Lerner, 67. Address: Dept. of Social Science, Queensborough Community College of the City University of New York, Bayside, N.Y. 11364.

ROUKE, DR. FABIAN L(OGUE), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 65.

ROUMASSET, CHARLES A, b. San Jose, Calif., Jan. 25, 13; m. 38; c. 3. ECONOMICS. B.A., San Jose State Col, 33; California, 34-37. Chief Los Angeles Off., Bur. Labor Statist, 47; adminstr. student affairs, San Francisco State Col, 47-49; chief construct. statist. sect., Bur. Labor Statist, 49-51, price economist, 51-53; mgt. analyst, Internal Revenue Serv., 53-56; regional economist, BUR. LABOR STATIST, U.S. DEPT. LABOR, 56-59, acting regional dir., 59-60, asst. regional dir. west. region, 60-67, REGIONAL DIR. PAC. REGION, 67- Econ. Assn; Statist. Assn. Price economics and statistics, especially consumer price indexes; employment statistics; regional economic studies. Address: 151 Wildwood Ave, San Carlos, Calif. 94070.

ROURKE, DR. BYRON PATRICK, b. Windsor, Ont., June 8, 39; m. 63; c. 2. PSYCHOLOGY. B.A., Windsor, 62; Woodrow Wilson fel., Fordham, 62-63, Can. Coun. fel. & univ. fel., 63-64, M.A., 64, Ph.D.(psychol.), 66. ASST. PROF. PSYCHOL., WINDSOR, 65- Consult, Imperial Order of Daughters of the Empire Hosp, Windsor, Ont, 67- AAAS; Soc. Res. Child Develop; Can. Psychol. Assn. Human neuropsychology; psychology of stress and anxiety. Publ: The effect of anxiety on the development of casual thinking and performance on a cognitive-perceptual task, *Dissertation Abstracts*, 27: 615-616. Address: Dept. of Psychology, University of Windsor, Windsor, Ont, Can.

ROURKE, PROF. FRANCIS E(DWARD), b. New Haven, Conn., Sept. 11, 22; m. 48; c. 3. POLITICAL SCIENCE. B.A., Yale, 47, M.A., 48; fel. & Ph.D., Minnesota, 52. Instr. POLIT. SCI., Yale, 52-54; asst. prof., HOPKINS, 54-57, assoc. prof., 57-61, PROF., 61- CHMN. DEPT., 64- Asst. dir., Cmt. Govt. & Higher Ed., 57-59; dir., Cmn. Expansion Higher Ed. in Md., 61-62; v.chmn., Cmn. for Modernization of Md. Govt., 66-67. U.S.A., 43-46, Sgt. Polit. Sci. Assn. Government and higher education; public information activity; bureaucracy; urban government. Publ: Intergovernmental relations in employment security; Secrecy and publicity; dilemmas of democracy; co-auth., The managerial revolution in higher education, Johns Hopkins, 66. Address: 7100 Copeleigh Rd, Baltimore, Md. 21212.

ROUSE, PROF. IRVING, b. Rochester, N.Y., Aug. 29, 13; m. 39; c. 2. ANTHROPOLOGY. B.S., Yale, 34, Ph.D.(anthrop), 38. ASST. ANTHROP., Peabody Mus., YALE, 34-38, asst. curator, 38-47, assoc. curator, 47-54, instr.,

UNIV., 39-43, asst. prof., 43-48, assoc. prof., 48-54, PROF., 54-, chmn. dept., 58-63. Guggenheim fel., 63-64. Consult, Off. Strategic Serv., 42; Hispanic Found., Library Cong., 51-63. Asst. ed. & trustee, Coun. Old World Archaeol., 55-62. Del. Am. Anthropol. Assn., Nat. Res. Coun., 58-61, mem. cmt. postdoctoral fells, 60. Medall, Cuban Govt., 45; Morrison prize, N.Y. Acad. Sci., 48. Nat. Acad. Sci.; fel. Anthropol. Assn.(pres., 67-68); Soc. Am. Archaeol.(ed. jour., 46-50, pres., 52-53, Viking Fund medal, 59). Archaeology and ethnology of the Caribbean area and the eastern United States; archaeological method and theory; synthesis of world archaeology. Publ: Co-auth., Venezuelan archaeology, *Yale Univ.*, 63; auth., Prehistory of Haiti; Survey of Indian River archaeology. Address: Dept. of Anthropology, Box 2114, Yale Station, New Haven, Conn. 06520.

ROUSE, PROF. RICHARD O(LIVER), JR., b. Boston, Mass., July 9, 20; m. 53; c. 3. PSYCHOLOGY. A.B., Harvard, 41; M.A., Yale, 43, Ph.D.(psychol.), 49. Asst. prof. PSYCHOL., WILLIAMS COL, 48-54, assoc. prof., 54-60, PROF. & CHMN. DEPT., 60- Res. assoc., Austen Riggs Center, 58- U.S.A.A.F., 42-46, 1st Lt. Psychol. Assn; Psychonomic Soc. Visual perception; learning and thought. Publ: Oscillation function in compound trial and error learning, *J. Comp. Psychol.*; Color and the intensity-time function, *J. Optical Soc. Am.*; Compound verbal stimuli and word association, *Psychol. Reports*, 66. Address: Dept. of Psychology, Williams College, Williamstown, Mass. 01267.

ROUSE, PROF. ROBERT L(YLE), b. Vinton, Iowa, May 24, 22; m. 45; c. 2. ECONOMICS. B.A., Coe Col, 43; M.A., Iowa, 49, Ph.D., 50. Instr. econ., Iowa, 47-50; from asst. prof. to PROF. ECON. & FINANCE & HEAD DEPT., TEX. TECH. COL, 50- U.S.A.A.F., 43-45, Lt. Econ. Assn. Economic theory; money and banking; regional economics. Address: 3712 43rd St, Lubbock, Tex. 79413.

ROUSE, DR. SUE T(HOMPSON), b. Ulman, Mo., Aug. 28, 20; m. 45; div. EDUCATION. A.B., Harris Teachers Col, 42; M.A., North Carolina, 50; Ed.D. (except. children), George Peabody Col, 63. Teacher, elem. sch., Mo., 42-43; N.C. 46-47; Ayden Sch., N.C., 47-48; elem. schs., N.C., 48-57; jr. high sch., N.C., 57-59; asst. prof. ED., SOUTH CAROLINA, 61-65, ASSOC. PROF., 65- Summer vis. prof., North Carolina, Chapel Hill, 65, 68. Consult, S.C. Dept. Correction, 66-, Dept. Ed., 67-68. S.C. mem. bd. gov. Coun. Except. Children, 64-68. Asn. Ment. Deficiency. Education of exceptional children; significant gain data over a control group resulting when educable mental retardates receive an experimental treatment designed to enhance productive thinking as measured by Minnesota Tests of Creative Thinking. Publ: Reading materials for special groups: special education, In: *Fostering reading interests and tastes*, Univ. South Carolina, 63; Effects of a training program on the productive thinking of educable mental retardates, *Am. J. Ment. Deficiency*, 3/65; Fourteen principles of special classroom management, *Spec. Ed. Can.*, 5/66. Address: 1115 Glen Oaks Rd, Columbia, S.C. 29210.

ROUSSEAS, PROF. S(TEPHEN) W(ILLIAM), b. Scranton, Pa., Jan. 11, 21. ECONOMICS. B.S., Columbia, 48, A.M., 49, Ph.D.(econ), 54. Lectr. ECON., Columbia, 49-51, instr., 51-54, 55-56; asst. prof., Michigan, 56-58; vis. lectr., Yale, 58-59; assoc. prof., Bard Col, 59-60; vis. assoc. prof., Maryland, 60-61; assoc. prof., Cornell, 61-63; PROF., N.Y. UNIV., 63- Fulbright fel., Salonika, Greece, 54-55. Econ. Assn; Finance Assn. Monetary theory and policy. Publ: Death of a democracy; Greece and the American conscience, *Grove*, 67; Velocity changes and the effectiveness of monetary policy & Response of income velocity to interest rate changes rejoinder, *Rev. Econ. & Statist.* Address: Dept. of Economics, New York University, Washington Square, New York, N.Y. 10003.

ROUSSEAU, DR. JACQUES, b. St. Lambert, Que., Can., Oct. 5, 05; m. 34; c. 3. ETHNOBIOLOGY, PHYTOGEOGRAPHY. B.A., Montreal, 26; lic. es sci., 28, D.Sc.(bot), 34; hon. D.Sc., Laval, 66. Asst. prof. bot., Montreal, 25-44; asst. dir., Montreal Bot. Garden, 38-44, dir., 44-57; Human Hist. Mus., Ottawa, 57-59; PROF. ETHNOBIOL., Sorbonne, 59-62; LAVAL, 62- Vis. prof., Haiti, 44; Mexico, 45; Sorbonne, 50; geog. summer sch., McGill, 52 & 53; dir. inst. anthropobiol., Montreal, 59-62. Mem. bot. expeds., E.que, N.S., Arctic, Mex. & N.Mex. Medals, Leo Pariseau, 47, Marie Victorin, 51, Isidore Geoffroy St. Hilaire, Paris, 52; cert. merit, Bot. Soc. Am., 56. French-Can. Assn. Adv. Sci.(secy., 30-46). Systematic and general botany; history of Canadian sciences; ethnobotany; ethnology; geography; ethnology of Quebec Amerindians. Address: 5208 Cote St. Antoine, Montreal 28, Que., Can.

ROUSSEAU-EVANS, DR. BLANCHE, Psychol, see EVANS, DR. BLANCHE ROUSSEAU.

ROVEE, DR. S. CAROLYN KENT, b. Nashville, Tennessee, Apr. 7, 42; m. 64; c. 1. PHYSIOLOGICAL & EXPERIMENTAL CHILD PSYCHOLOGY. B.S., La. State, 62; Sc.M., Brown, 64, Ph.D.(psychol.), 66. Instr. PSYCHOL., TRENTON STATE COL, 65-67, ASST. PROF., 67- AAAS; Soc. Res. Child Psychol; Psychol. Assn. Neonatal learning and stimulation in humans; psychophysics of olfactory phenomena; developmental and deprivation studies in animal young. Publ: Co-auth., Oral pacification and arousal in the human newborn, 66, auth., Psychophysical scaling of olfactory response to the aliphatic alcohols in human neonates, 68 & Conjugate reinforcement of foot-movements in human infants, 68, *J. Exp. Child Psychol.* Address: Dept. of Psychology, Trenton State College, Trenton, N.J. 08625.

ROVINE, DR. ARTHUR WILLIAM, b. Philadelphia, Pa., Apr. 29, 37; m. 63; c. 1. POLITICAL SCIENCE. B.A., Pennsylvania, 58; LL.B., Harvard, 61; Edward W. Scudder Johnston fel., Columbia, 62-63, pres. fel., 63-64, Ph.D. (int. rels.), 66. Attorney, Curtis, Mallet-Prevost, Colt & Mosle, N.Y., 63-66; ASST. PROF. GOVT., CORNELL, 66- Counsel, Ethiopia & Liberia in South West Africa cases, Int. Court Justice, 63-65. Bar Assn; Polit. Sci. Assn; Soc. Int. Law. International politics, especially international law and international organization. Publ: Co-auth., The case law of the International Court, Vol. V, *Sijthoff's*, 68. Address: Dept. of Government, Cornell University, Ithaca, N.Y. 14850.

ROW, CLARK, b. Washington, D.C., July 24, 34. RESOURCE ECONOMICS. B.S., Yale, 56, M.F., Duke, 58; Tulane, 62-65. Res. forester, south forest. exp. sta., U.S. FOREST SERV., 58-62, proj. leader forest prod. & mkt. res., 62-65, CHIEF forest prods. demand & price anal. br., 65-67, FOREST ECON. BR., 68- Econ. Assn; Forest Prod. Res. Soc; Soc. Am. Foresters. Economics

of forest, range, watershed and outdoor recreation management; demand for forest products; economics of forest products industries. Address: U.S. Forest Service, Washington, D.C. 20250.

ROWAN, DR. JAMES E, Econ. & Phys. Geog, see 10th ed, Soc. & Behav. Vols, deceased 67.

ROWAN, DR. RICHARD L, b. Guntersville, Ala, July 10, 31; m. 63; c. 1. ECONOMICS, INDUSTRIAL RELATIONS. A.B. Birmingham-South. Col, 53; Ph.D.(econ), North Carolina, Chapel Hill, 61. Res. grantee & lectr. LABOR, PENNSYLVANIA, 61-62, asst. prof, 62-66. ASSOC. PROF, 66- Lectr, seminars int. trade expansion, U.S. Dept. Commerce, 65. Mem. spec. cmt. sugar mfg. indust. in P.R. wage & hour pub. contract div, U.S. Dept. Labor, 64. Indust. Rels. Res. Assn. Racial employment practices in the basic steel industry. Publ: Co-auth, Employment opportunities and the Negro, Univ. Michigan, 65 & Readings in labor economics, Irwin, 68; auth, Discrimination and apprentice regulation in the building trades, J. Bus, 10/67. Address: Wharton School, University of Pennsylvania, Philadelphia, Pa. 19104.

ROWAN, DR. THOMAS C(HURCHILL), Psychol, see 11th ed, Phys. & Biol. Vols.

ROWAT, PROF. DONALD C(AMERON), b. Somerset, Man, Jan. 21, 21; m. c. 2. POLITICAL SCIENCE. B.A. Toronto, 43; M.A. Columbia, 46, George William Curtis fel, 46-47, Ph.D.(pub. law & govt), 50. Asst. Can. Dept. Finance, 43-44; admin. officer, Can. Dept. Nat. Health & Welfare, 44-45; lectr. PO-LIT. SCI, Dalhousie, 47-49; British Columbia, 49-50; asst. prof, CARLETON (CAN), 50-53, assoc. prof, 53-58, PROF, 58-, acting dir. sch. pub. admin, 57-58. Can. Coun. sr. res. fcls, 60-61 & 67-68; summer lectr. N.Tex. State Teachers Col, 47. Expert, UN Tech. Assistance Admin, Ethiopia, 56-57. Co-dir. nat. seminar, Can. Union Students, Univ. New Brunswick, 65. Can. Polit. Sci. Assn; Inst. Pub. Admin, Can; Int. Polit. Sci. Assn. Comparative and local government. Publ: Basic issues in public administration, Macmillan, 61; ed, The Ombudsman: citizen's defender, Univ. Toronto, 65, revised, 68; auth, The improvement of local government: essays on the Canadian municipal system, McClelland, 68. Address: Dept. of Political Science, Carleton University, Ottawa, Ont, Can.

ROWE, DR. ALAN J, b. U.S. Sept. 25, 23; m. 48; c. 3. INDUSTRIAL ENGINEERING, MANAGEMENT SCIENCE. B.S. Columbia, 48, M.S., 49; Ph.D. (eng), California, Los Angeles, 59. Asst. prof. prod. mgt. & dir. mgt. sci. res. proj, California, Los Angeles, 53-55; res. consult, Gen. Elec. Co, 55-59; mgr. mgt. res. Syst. Develop. Corp, 59-60; mgr. indust. dynamics res, Hughes Aircraft Co, 60-62, dir. indust. dynamics, 62-65; CHMN. DEPT. MGT, SOUTHERN CALIFORNIA, 65- Lectr, Columbia, N.Y. Univ. & California, Los Angeles, 58-62. Consult, Rand Corp, 52-55; mem. adv. panel comput. Nat. Bur. Standards, 66- U.S.N., 44-46. Inst. Mgt. Sci; Opers. Res. Soc; Inst. Indust. Eng; Arbit. Assn; Acad. Mgt. Computers and operational analysis in management science and corporate decision making; development of new techniques, including simulation and heuristic methods in management decision making. Publ: Co-auth, Management control systems; auth, Toward a theory of scheduling, J. Indust. Eng; Computer simulation—a solution technique for management problems, F.J.C.C., 65. Address: Dept. of Management, University of Southern California, University Park, Los Angeles, Calif. 90007.

ROWE, PROF. BENJAMIN, b. New York, N.Y., Dec. 6, 06. SOCIAL SCIENCE. B.S. City Col. New York, 28, M.S., 31; M.A. Columbia, 34, Ed.D., 50. Instr. govt. & sociol. eve. div, City Col. New York, 30-38; teacher & chmn. soc. studies, high schs, N.Y., 36-46; PROF. SOC. SCI, NEW YORK COMMUNITY COL, 46-, head dept, 46-65. U.S.A., 42-45. Nat. Coun. Soc. Studies; Polit. Sci. Assn; Soc. Pub. Admin; Hist. Assn; Sociol. Assn; Acad. Polit. & Soc. Sci; Acad. Polit. Sci. Public administration; American, state and local government and history. Address: 180 W. End Ave, New York, N.Y. 10023.

ROWE, PRES. CHANDLER W(ILLIAM), b. Torrington, Conn, Oct. 8, 17; m. 41; c. 3. ANTHROPOLOGY. B.A. Beloit Col, 39; M.A. Chicago, 47, Ph.D. (anthrop), 51; hon. Sc.D. Lawrence, 66. Res. archaeologist, U.S. Nat. Mus, 40; Tennessee, 41-42; training supvr, Hercules Powder Co, Tenn, 42-43; from assoc. prof. to prof. anthrop, Lawrence Col, 46-65, dean, 61-65; PRES. HAWAII LOA COL, 65- C.Eng. U.S.A., 43-45. Fel. Anthropol. Assn; Asn. Phys. Anthropol. Archaeology and ethnology of North American Indians. Publ: Woodland cultures of east Tennessee: archaeology of eastern United States; Genetics vs physical anthropology in determining racial types, Southwest. J. Anthropol; Effigy mound culture of Wisconsin, Milwaukee Pub. Mus. Bull. Address: Hawaii Loa College, P.O. Box 64, Honolulu, Hawaii 96810.

ROWE, DR. C(LARENCE) J(OHN), Psychiat, see 11th ed, Phys. & Biol. Vols.

ROWE, PROF. DAVID N(ELSON), b. Nanking, China, Oct. 21, 05; m. 38; c. 2. POLITICAL SCIENCE. A.B., Princeton, 27; A.M., Southern California, 30; Wolf fel, Chicago, 33-34, univ. fel, 34-35, Ph.D., 35; hon. M.A., Yale, 50. Gen. Ed. Bd. fel, Harvard, 35-37; Rockefeller fel, Peiping, 37-38; lectr. Far East. affairs, sch. pub. & int. affairs, Princeton, 38-43; res. assoc, inst. int. studies, YALE, 43-50, PROF. POLIT. SCI, 50-, dir. staff officers sch. Asiatic studies, 45-46, undergrad. & grad. studies on China, Japan & Russia, 46-48, study human resources, 51-54. Assoc. Barnard Col, Columbia, 45-46; fel, Rockefeller Found, 48-49; lectr, Nat. War Col, 46-48, 50, 56, 58-59, 61, 65; Air War Col, 51-61; Army War Col, 52-53, 60-61, 65-67; Naval War Col, 57-59, 61; vis. prof, Nat. Taiwan Univ, 54-56. Res. analyst, spec. defense unit, U.S. Dept. Justice, 41; exp. div. study wartime commun. Library Cong, 41, consult, 44; Info. Serv. U.S. Consulate Gen. Shanghai, 48; U.S. Air Force, 50-52; Operations Res. Off, 51-; Stanford Res. Inst, 51; George Washington, 54-55. Spec. asst. to U.S. Ambassador, Chungking, 41-42; to dir. res. & anal. br, Off. Coordinator Info. Off. Strategic Serv, 41-42. Mem. war & peace studies prog, Coun. For. Rels, New York, 43-45. Rep, Asia Found, Taiwan, 54-56. U.S.A.R., 49-65. Polit. Sci. Assn. United States constitutional and Far Eastern history; government and international relations of Eastern Asia; general international politics. Publ: China among the powers; ed, China, an area manual & Modern China: a brief history. Address: Dept. of Political Science, Yale University, New Haven, Conn. 06510.

ROWE, DR. EDWARD THOMAS, b. Plymouth, Mich, May 14, 37; m. 56; c. 2. POLITICAL SCIENCE. B.A. Michigan, 59; Woodrow Wilson fel, California, Berkeley, 59-60, M.A., 61, Ph.D.(polit. sci), 66. Instr. POLIT. SCI, CONNECTICUT, 64-66, ASST. PROF, 66-, res. found. grant, 66-68, faculty summer fel, 67. Polit. Sci. Assn; Int. Studies Assn. International organization; political development and integration. Address: Dept. of Political Science, University of Connecticut, Storrs, Conn. 06268.

ROWE, PROF. FREDERICK B(ENGSTON), b. Waterbury, Conn, Dec. 10, 21; wid; c. 4. PSYCHOLOGY. B.A. Washington & Lee, 47; M.A., Emory, 51; Ph.D.(counseling, indust. psychol), Maryland, 57. Counsr, Vet. Adv. Serv, Community Chest, Conn, 46; admin. asst. counseling & placement, Washington & Lee, 47-49; instr. psychol, Emory, 50-51; counseling psychologist, Vet. Admin. Hosp, 53-55; res. psychologist advert, Gallup & Robinson, Inc, 55-56; asst. prof. PSYCHOL, RANDOLPH-MACON WOMAN'S COL, 56-62, assoc. prof, 62-65, PROF, 65- South. Regional Ed. Bd. res. grant, 61; vis. res. psychologist, Andersvaenge Hosp, Denmark & Inst. Ment. Health study grant ment. retardation attitudes, 63-64; vis. prof, Indraprastha Col, Univ. Delhi, 65-66; summers, Peace Corps selection psychologist, Williams Col, 66, dir, Study-Travel Seminar, India, 67. Mem. exec. cmt, bd. dirs, Col. Res. Center, 63- U.S.M.C., 42-46, 52-53, Res, 46-52, 53-54, Maj. Psychol. Assn. Personnel research, especially selection and prediction of performance; institutional research, especially characteristics of colleges and their students. Publ: Characteristics of women's college students, South. Regional Ed. Bd, 64; Holdinger over for aandsavagheh, Danish Nat. Ment. Deficiency Serv, 65. Address: 892 Dearing St, Lynchburg, Va. 24503.

ROWE, HAROLD B, Econ, see 10th ed, Soc. & Behav. Vols.

ROWE, DR. J. Z, b. Moody, Tex, July 12, 22; m. 50; c. 1. ECONOMICS. B.A., Texas, 46; M.S., Purdue, 47, Ph.D.(age. econ), 55. Exten. economist, New Mexico State, 47-54; agr. economist, FED. RESERVE BANK, 55-60, sr. economist & asst. dir. res, 60-62, DIR. RES, 62- U.S.A.F., 42-45, 1st Lt. Econ. Assn; Agr. Econ. Assn. Agricultural outlook; public policy; national business conditions. Publ: The public-private character of United States central banking, Rutgers, 65. Address: 10140 Rockmoor Court, Dallas, Tex. 75229.

ROWE, DR. JOHN A, African Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

ROWE, PROF. JOHN H(OWLAND), b. Sorrento, Maine, June 10, 18; m. 42; c. 2. ANTHROPOLOGY. A.B., Brown, 39; A.M., Harvard, 41, Ph.D.(Latin Am. hist, anthrop), 47; Paris, 45-46; hon. Litt.D., Cuzco, 54. Supvr. South. Peruvian Proj, Inst. Andean Res, N.Y., 41-42; prof. archaeol, Cuzco, 42-43; res. assoc, Peabody Mus, Peru, 46; rep. inst. soc. anthrop, Smithsonian Inst, Columbia, 46-48; asst. prof. ANTHROP, CALIFORNIA, BERKELEY, 48-51, assoc. prof, 51-56, PROF, 56-, CURATOR S.A.M. ARCHAEOLOG, MUS, 57-, assoc. curator, 51-57, chmn. dept. anthrop, 63-67, res. prof, Miller Inst. Basic Res. in Sci, 64-65. Hon. prof, Univ. Cauca, Colombia, 47; Guggenheim fel, 58. Dir, Univ. Calif. Archaeol. Exped, Peru, 54-55. Pres, Inst. Andean Studies, Calif, 60- U.S.A., 44-46. Fel. Anthropol. Assn; Archaeol. Inst; Soc. Am. Archaeol; Soc. Hist. Tech; French Soc. Americanists; Peruvian Hist. Inst; Colombian Soc. Ethnol. South American archaeology and ethnology; Inca history; archaeological theory; history of anthropology. Publ: Inca culture at the time of the Spanish Conquest; The Incas under Spanish Colonial Institutions; An introduction to the archaeology of Cuzco, Peabody Mus, Harvard, 44. Address: Dept. of Anthropology, University of California, Berkeley, Calif. 94720.

ROWE, DR. JUNIUS M(ARSH), b. Edgefield, S.C., Aug. 19, 15. CLINICAL PSYCHOLOGY. A.B., South Carolina, 39; M.A., Iowa, 47; Ph.D., Tennessee, 55. Chief voc. counseling, South Carolina, 45-46, 47-50; psychologist, Knoxville Juvenile Detention Home, Tenn, 51-53; intern CLIN. PSYCHOL, Cincinnati Gen. Hosp, Ohio, 53-54; asst. DEPT. PSYCHIAT, HOSP, MED. COL. S.C., 56-58, assoc, 58-61, asst. prof, 61-65, ASSOC. PROF, 65-, HEAD PSYCHOL. DIV, 64- Asst, East. State Hosp, Knoxville, 52-53; chief, Charleston County Ment. Health Clin, 55-60. Consult, Vet. Admin. Hosp, Charleston, S.C., 66- U.S.A.A.F., 42-45. Psychol. Assn. Measurement of practical judgement and social intelligence; contiguity principle and the Skaggs-Robinson hypothesis. Address: Dept. of Psychiatry, Medical College of South Carolina Hospital, 55 Doughty St, Charleston, S.C. 29401.

ROWE, DR. LEONARD C(ARL), b. Vilna, Poland, June 5, 19; nat; m. 60; c. 1. POLITICAL SCIENCE. A.B., California, 51, M.A., 52, Ph.D., 57. Lectr. polit. sci, California, 56-60, head polit. sci. & pub. admin, exten, 56-59; Ford Found. fel. & assoc, Russian Res. Center, Harvard, 60-62; vis. assoc. prof, Brown, 62-63; POLIT. SCI, Michigan, 63-64; MEM. FACULTY, BENNINGTON COL, 64- U.S.A., 41-45. Asn. Adv. Slavic Studies; Polit. Sci. Assn. Soviet studies; United states politics and foreign policy; revolutions and revolutionary movements. Publ: California politics; co-auth, Preprimary endorsements in California politics. Address: Bennington College, Bennington, Vt. 05201.

ROWE, DR. MARY BUDD, Sci. Ed, see 11th ed, Phys. & Biol. Vols.

ROWE, DR. PETER N(ILES), b. Washington, D.C., Apr. 27, 29; m. 56. INTERNATIONAL RELATIONS, POLITICAL SCIENCE. A.B., Cornell, 50; M.A., American Univ, 56; Overbrook fel, Yale, 56-57, univ. scholar, 57-58, Ph.D. (int. rels), 60. Instr. GOVT, SMITH COL, 58-60, asst. prof, 61-64, ASSOC. PROF, 64-, CHMN. DEPT, 67- Asian-African Cmt. res. grant, India, 66; Fulbright summer lectr, Osmania, India, 61. U.S.A., 51-53, Sgt. Polit. Sci. Assn. Underdeveloped country politics; American foreign policy. Publ: Observations on lawyers in Indian district towns, spring 68. Address: 130 South St, Northampton, Mass. 01060.

ROWE, W(ILLIAM) H(OBSON), Agr. Econ, see 10th ed, Soc. & Behav. Vols.

ROWE, DR. WILLIAM LEAL, b. Salinas, Calif, Oct. 7, 26. CULTURAL ANTHROPOLOGY. B.A., Occidental Col, 49; cert, California, Los Angeles, 50; London Sch. Econ, 51-52; Ph.D., Cornell, 60. Social worker, Gandhian Constructive Workers, India, 53-54; asst. res. anthropologist, Center S.A. Asia Studies, inst. int. studies & lectr, soc. welfare, California, Berkeley, 60-63; lectr. ANTHROP, 61-63; ASSOC. PROF, DUKE, 63-, chmn. prog. comp. studies in South. Asia, 64-65. Vis. sr. lectr, Sch. African & Asian Studies,

Univ. Sussex, 65-66; sr. fel. anthrop. Am. Inst. Indian Studies, Poona, India, 66; vis. sr. fel. New Guinea Res. Unit, Australian Nat. Univ., 66-67. U.S.A. 45-46. Anthropol. Asn; Soc. Appl. Anthropol. Asn. Asian Studies; Ethnol. Soc. South Asian ethnology; culture change; culture and personality. cross-cultural use of projective psychological techniques; New Guinea; political and urban anthropology. Publ: Ed. Contours of culture change in South Asia, Monogr. 9, Soc. Appl. Anthropol. 66; Middle and later years in India; In: Aging and leisure; Mobility in the nineteenth century. In: Structure and change in Indian society, Aldine, 68. Address: Dept. of Sociology & Anthropology, Duke University, Durham, N.C. 27706.

ROWELL, DR. JOHN T(HOMAS), b. Lloyd, Fla. Mar. 21, 20; m. 42; c. 3. CLINICAL PSYCHOLOGY. A.B. Michigan, 49; M.A. Fla. State, 50, Ph.D. 58. Asst. psychol. Fla. State, 49-51; clin. psychologist, Milledgeville State Hosp., 51-52, chief clin. psychologist, 52-57; trainee, SYST. DEVELOP. CORP., 57-58, syst. training leader, 58-61, group head training develop, 61-64, BR. HEAD ASW SYSTS, 64- Med.C. U.S.A., 43-46. Psychol. Asn; Human Factors Soc. Perceptual processes in psychotics; activity techniques; mental hospital populations; diagnostic tools for prognosis and treatment; scaling techniques; system evaluation, training, and design in large data processing systems. Publ: Responses of normal and schizophrenic subjects to familiar pictorial stimuli, Univ. Microfilms, 58; co-auth, National document-handling systems for science and technology, Wiley, 67; auth, Objective method of evaluating mental status, J. Clin. Psychol., 51. Address: 9409 Athens Rd, Fairfax, Va. 22030.

ROWLAND, DR. GEORGE E(DWARD), b. Little Rock, Ark, Feb. 3, 24; m. 46; c. 1. PSYCHOLOGY, ELECTRICAL ENGINEERING. B.A. North Carolina, 46; M.A. Ohio State, 48, Ph.D.(psychol), 51. Sr. scientist, Res. Assoc., Phila. 53-54; field dir., Courtney & Co, Pa. 54-58; PRES. ROWLAND & CO, INC, 58- Lectr. Pennsylvania, 60-; exec. dir. Psychol. Serv. Center South N.J. 60-65; v-pres. res. planning & develop, Univ. City Sci. Center, Phila. 67-68, consult, 68- U.S.M.C.R. 42-44; U.S.N.R. 44-45; U.S.A. 49-53, Capt. Psychol. Asn; Human Factors Soc; Inst. Elec. & Electronics Eng; Inst. Aerospace Sci. Human factors engineering; industrial design; systems analysis; operations research; anthropometry; methodological development in sensory and perceptual psychology; clinical psychology; administration of research and development. Publ: Co-auth, Attitudes of troops in the tropics, R&C Reports, 63 & 64, Anthropometric survey of the armed forces of the Republic of Korea, R&C Report 66-30-9, 66, U.S. Army Natick Labs. & The process of professional information exchange among science information specialists, R&C Report, Nat. Sci. Found., 67. Address: Rowland & Co, Inc, P.O. Box 61, Haddonfield, N.J. 08033.

ROWLAND, PROF. JOSEPH S(AMUEL), b. Kittrell, N.C. Jan. 27, 26; m. 49; c. 1. SOCIOLOGY. A.B. North Carolina, 46, M.A. 47; Ed.D.(marriage & family life ed), Columbia, 55. Instr. Wofford Col., 47-50; assoc. prof. sociol., Lynchburg Col., 52-53; asst. prof., Wesleyan Col., 55-56; PROF. HUMAN DEVELOP. & FAMILY LIFE & HEAD DEPT, SCH. HOME ECON, ALABAMA, 56- Sociol. Asn; Nat. Coun. Family Rels. Family relationships, finance and problems; criminology. Address: Dept. of Human Development & Family Life, School of Home Economics, University of Alabama, P.O. Box 4964, University, Ala. 35486.

ROWLAND, DR. LOYD W, b. Ft. Worth, Tex, Aug. 4, 02; m. 32; c. 2. PSYCHOLOGY. A.B. Baylor, 25; M.A. Texas, 28; Ph.D.(psychol), Chicago, 35. Instr. psychol., Tulsa, 30-32, asst. prof., 35-41; prof. & chmn. dept., Baylor, 41-45; exec. dir., LA. ASN. MENT. HEALTH, 45-64, DIR. ED. & RES, 64- Psychol. Asn; Pub. Health Asn. Mental health education, evaluation; preparation of mental health materials for special groups. Address: Louisiana Association for Mental Health, 1528 Jackson Ave, New Orleans, La. 70130.

ROWLAND, ROBERT L(OUIS), b. Ongole, South India, Jan. 9, 19; U.S. citizen; m. 41; c. 2. SOCIOLOGY. B.A. Kalamazoo Col., 41; M.A. Ohio State, 47. Asst. secy. Coun. Soc. Agencies, Mich., 47-49; surv. statistician, U.S. Bur. Census, 49-52, anal. statistician, 52-54, superv. surv. statistician, 54-55; res. analyst juvenile delinquency, Children's Bur., 55-59; STATISTICIAN, Vet. Admin., 59-67; POP. DIV. BUR. CENSUS, 67- Sig.C., 41-46, Maj. Sociol. Asn; Statist. Asn; Pop. Asn. Social research; demography; juvenile delinquency. Publ: Development and significance of private state welfare planning organizations. Address: 11409 Maryvale Rd, Upper Marlboro, Md. 20870.

ROWLANDS, PROF. DAVID T(HOMAS), b. Plains, Pa. Apr. 2, 99. FINANCE. B.S. Pennsylvania, 26, A.M. 30, Ph.D. 38. Instr. FINANCE, WHARTON SCH, PENNSYLVANIA, 25-38, asst. prof., 38-48, ASSOC. PROF. 48- Econ. Asn; Real Estate & Urban Econ. Asn. (v-pres, 66, pres, 67). Real estate finance. Publ: Urban real estate research; Property tax in Atlanta and other large cities; co-auth, Real estate education and research needs in California. Address: W. 108 Dietrich Hall, University of Pennsylvania, Philadelphia, Pa. 19104.

ROWLETT, DR. RALPH M, b. Richmond, Ky, Sept. 11, 34; m. 63; c. 1. ANTHROPOLOGY. B.A. Marshall, 56; Indiana, 59; Fulbright fel, London, 62-63; Nat. Sci. Found. fel, Paris, 63-64; Ph.D.(anthrop), Harvard, 68. Instr. ANTHROP, MISSOURI, COLUMBIA, 65-67, ASST. PROF. 67- Belgian-Am. Ed. Found. fel, 69. U.S.A. 56-58, Res. 58-62, Capt. Anthropol. Asn; Soc. Am. Archaeol; Archaeol. Inst. Am. Publ: Methods and techniques of medieval village archaeology, Newsletter Southeast. Archaeol. Conf, 63; Penannular Fibulae in the Marine culture, Antiquity, 40: 133-136; co-auth, A rectangular early La Tene Marian house at Chassemy (Aisne), World Archaeol., 68. Address: Dept. of Anthropology, University of Missouri, Columbia, Mo. 65201.

ROWLEY, PROF. JEAN B(RINTNALL), b. Hartford, Conn, Dec. 24, 02. PSYCHOLOGY. A.B. Vassar Col., 25; Cornell, 26; M.A. Columbia, 27, Ph.D. (psychol), 34. Asst. PSYCHOL, VASSAR COL., 27-28, instr., 28-35, asst. prof., 35-43, assoc. prof., 44-53, prof., 53-67, EMER. PROF. 67- AAAS; Psychol. Asn. Perception; tests. Address: 6 Highland St, West Hartford, Conn. 06119.

ROWNEY, DR. DON KARL, Mod. Russian Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

ROWNTREE, DR. JOHN T, b. Lampasas, Tex, July 31, 38; m. 59. ECONOMICS. A.B. Texas, Austin, 61, Ph.D.(econ), California, Berkeley, 66. ASST. PROF. ECON, State Univ. N.Y. Buffalo, 66-67; YORK, 67- Public finance; economics of education; economic bases of politics and society. Address: Dept. of Economics, York University, Toronto 12, Ont, Can.

ROWNTREE, DR. R(ICHARDSON) H(ENRY), b. Chicago, Ill, Nov. 24, 01; m. 27. ECONOMICS. B.B.A. Washington (Seattle), 24, fel., 25-26, M.B.A., 26; Ph.D. Ohio State, 34. Asst. econ, Ohio State, 26-28, instr., 28-34, asst. prof., 34-44, assoc. prof., 44-46; exec. dir. U.S. Philippine War Damage Cmn., 46-47; economist, U.S. EXPORT-IMPORT BANK, 48-55, chief econ. div., 55-62, v-pres, 62, EXEC. V-PRES, 62- Econ. analyst, div. econ. res., U.S. Bur. For. & Domestic Commerce, 38, 45; U.S. Coordinator Inter-Am. Affairs, 44; asst. to dir., off. int. trade, U.S. Dept. Commerce, 46. V-pres, Asn. Int. Credit Ins., 64-65. Theory of diminishing returns; costs and profits; economics for engineers. Address: Export-Import Bank of Washington, Washington, D.C. 20571.

ROY, DR. HOWARD L(AUGHLIN), b. Kellogg, Minn, Nov. 6, 08; m. 37; c. 2. PSYCHOLOGY. B.E. Winona State Teachers Col., 33; Colorado; Ph.D. Minnesota, 49. Counsr., Minnesota, 40-45; acting chief, Vet. Admin. Guid. Center, 45-46; dir. counseling bur., Rochester Jr. Col., 46-51; res. psychologist, personnel res. br., Adj. Gen. Off., U.S. Dept. Army, 51-59; psychol. res. specialist, U.S. Off. Voc. Rehab., 59-60; PROF. PSYCHOL. & DIR. COUNSELING CENTER, GALLAUDET COL., 60- Lectr., N.Y. Univ., 49-51. Psychol. Asn; Personnel & Guid. Asn. Test development; personality measurement; programmed learning. Address: 404 Mississippi Ave, Silver Spring, Md. 20910.

ROY, DR. IRVING, b. Philadelphia, Pa, Dec. 23, 25. PSYCHOLOGY. B.A. California, Los Angeles, 50; M.A. N.Y. Univ., 51, Ph.D.(psychol), 54. Psychol. trainee, dept. phys. med. & rehab, Coler Hosp., New York, N.Y., 52-53; clin. res. psychologist, Letchworth Village, 53-54; clin. psychologist, Juvenile Diag. Center, 54-56; Stockton State Hosp., 58-62; private practice psychol., 60- Part-time instr., Univ. of the Pacific, 62-; proj. dir., Manteca Sch. Dist., U.S. Off. Ed. Funds. Consult, Bret Harte Hosp. & Rehab. Center, 65-; community treatment proj., Calif. Youth Authority, 67- U.S.A. 44-46. Psychol. Asn. Psychotherapy; juvenile delinquency; group dynamics. Publ: Studies of word learning in mental defectives, Am. J. Ment. Deficiency; Some psychometric factors relating to change in sociometric status, Am. Psychol. Address: 2934 Pacific Ave, Stockton, Calif. 95204.

ROY, DEAN ROBERT HALL, b. Baltimore, Md. Nov. 21, 06; m. 30; c. 2. INDUSTRIAL ENGINEERING. B.E. Hopkins, 28. With Waverly Press, Inc., 28-47, v-pres. eng., 47-49; assoc. prof., INDUST. ENG., HOPKINS, 47-50, PROF. 50- DEAN ENG. SCI., 53-, asst. dean, 50-53. Summer vis. prof., Stanford, 58. Arbitrator, Lever Bros. & Int. Chem. Workers Union, 49-55; spec. master, U.S. Dist. Court, Baltimore, Md., 57; mem., Baltimore Metrop. Area Study Cmn., 61-63; del. CENCO Conf. Eng. Ed., 66; mem. adv. coun., sch. eng., Stanford, 67-; adv. cmt. col. eng., Bucknell, 67- Soc. Eng. Ed. (pres, 66-67); fel. Inst. Indust. Eng. (Gilbreth award, 67); fel. Soc. Mech. Eng.; Opers. Res. Soc. Am. Labor relations; management; operations research. Publ: Management of printing production, Printing Indust. Am., 53; The administrative process, 58 & ed, Operations research and systems engineering, 60, Johns Hopkins. Address: Dept. of Industrial Engineering, Johns Hopkins University, Baltimore, Md. 21218.

ROYAL, DR. DONALD C, b. Minneapolis, Minn. PSYCHOLOGY, PHYSICS. A.B. Minnesota, 53, A.M. 54; Ph.D. Michigan, 58. Asst. math. & psychol., Minnesota, 52-54; decision processes, psychol., astron. & simulation, Michigan, 54-59; sr. mem. tech. staff, Westinghouse Air Brake Co., 59-60; tech. dir. res., Centre Sci. Res., 59; chief physicist, Lab. Electronics, Inc., Mass., 60-61; pres, Int. Nucleonics, 61-64; TECH. DIR. DECISION SCI. LAB., 64- Sci. & tech. adv. advance systs., Philco Corp., 60-62; consult, Int. Tel. & Tel. Co. & N.Am. Rockwell Corp., 62-63; Sperry-Rand Corp., 65-66. AAAS; Psychol. Asn; Statist. Asn; Math. Soc; Phys. Soc; Polit. Sci. Asn; Asn. Symbolic Logic; Inst. Elec. & Electronics Eng; Geophys. Union. Capital formation; organizational behavior; research management; linguistics; multivariate analysis; decision processes; diencephalic stimulation; plasma phenomenology; lattice topology; metrization spaces; cosmical electrodynamics; solar physics; statistical communication theory; non-parametric statistics; functional analysis. Address: P.O. Box 337, Minneapolis, Minn. 55401.

ROYAL, DR. ROBERT E(LMER), Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

ROYCE, JAMES E(MMET), S.J., b. Spokane Wash, Oct. 20, 14. PSYCHOLOGY. A.B. Gonzaga, 39, M.A. 40; Ph.D.(psychol, philos), Loyola (Ill), 45. Asst. prof. PSYCHOL, SEATTLE, 48-54, assoc. prof., 55-61, head dept, 55-66, PROF., 61-, ASSOC. DEAN COL. ARTS & SCI., 66- Guest mem. staff, Pac. Philos. Inst., 54; pres, Notre Dame Col.(B.C.), 54-55; summer vis. prof., New Hampshire, 66. Fel. Psychol. Asn. Adolescence; personality adjustment; philosophical problems in scientific psychology; alcoholism. Publ: Personality and mental health; Man and his nature. Address: Dept. of Psychology, Seattle University, Seattle, Wash. 98122.

ROYCE, DR. JOSEPH R(USSELL), Psychol, see 11th ed, Phys. & Biol. Vols.

ROYE, PROF. FRANK H, b. Tamaha, Okla., Apr. 24, 17; m. 47; c. 4. SOCIOLOGY. A.B. Transylvania Col., 41; B.D. South. Baptist Theol. Sem., 49, Th.D., 57. Asst. prof. biol., Northwest Miss. Jr. Col., 45-46; dir. boys work, Wesley Community House, Ky., 48-55; assoc. prof. SOCIOL., TAYLOR, 55-66, PROF., 66-, CHMN. DEPT., 55-, HEAD SOC. SCI. DIV., 65- Summers, Nat. Sci. Found. scholar. anthrop., 65, Urban Inst. Sociol., Chicago, 67. U.S.A.A.F., 41-45, 1st Lt. Sociol. Asn; Nat. Coun. Family Rels. Changing aspects of family life in a small midwest community; the social impact of a college in a small community. Address: Dept. of Sociology, Taylor University, Upland, Ind. 46989.

ROYE, DR. JOSEPH G(IDEON), Psychol, see 10th ed, Soc. & Behav. Vols.

ROYER, PROF. DONALD M(ARK), Sociol, see 10th ed, Soc. & Behav. Vols. Latest known address: 1004 State Off. Bldg., 100 N. Senate Ave, Indianapolis, Ind. 46204.

- ROYER, DR. FRED L(EROY), b. Englewood, N.J., June 7, 25; m. 48; c. 3. PSYCHOLOGY. B.S., Pa. State, 52, Ph.D. 56. Clin. psychologist, regional off, Vet. Admin, Pittsburgh, Pa, 56-57, VET. ADMIN. HOSP, Perry Point, Md, 57-58, RES. PSYCHOLOGIST, 59-65, BRECKSVILLE, OHIO, 65- Lectr, Case Western Reserve, 66- U.S.A., 43-46, Sgt. AAAS; Psychol. Am. Classical conditioning; psychophysiology; perception. Address: 545 Spring Pond Rd, Northfield, Ohio 44067.
- ROYER, PROF. J(OHN) EVERETT, b. North Manchester, Ind, Dec. 21, 15; m. 39; c. 2. ACCOUNTING. B.S., Manchester Col, 38; M.A. Ball State Teachers Col, 40; Ed.D. Indiana, 55. Instr, naval training sch, Indiana, 42-44; PROF. ACCT. & CHMN. DEPT, MIAMI (FLA), 46- U.S.N., 44-46. Teaching techniques in accounting. Publ: Selection and use of certain factors significant in predicting achievement of students in first-semester accounting at the University of Miami, 1950-1953. Address: Dept. of Accounting, University of Miami, Box 8031, Coral Gables, Fla. 33124.
- ROYK-LEWINSKI, PROF. ANNETTE M. von, International Relations, see ARMSTRONG, DR. ANNE.
- ROYS, PROF. JOHN L(ELAND), b. Evanston, Ill, Oct. 6, 29; m. 57. SOCIAL PSYCHOLOGY. B.A., Wheaton Col.(Ill), 51; M.S., Ill. Inst. Tech, 55, Ph.D. (psychol), 58. With B.T. Babbitt, Inc, 53-56; instr. PSYCHOL, Barat Col, 57; asst. prof, Olivet Col, 57-60; asst. prof, ANDERSON COL, 60-62, ASSOC. PROF, 62- U.S.A., 51-53. Psychol. Asn. Group pressure; juvenile delinquency; attitudes and beliefs; prejudice. Address: Dept. of Psychology, Anderson College, Anderson, Ind. 46012.
- ROYS, DR. LAWRENCE, Archaeol, see 10th ed, Soc. & Behav. Vols.
- ROYS, PROF. RALPH L(OVELAND), Anthropol, see 10 ed, Soc. & Behav. Vols.
- ROZAIRE, DR. CHARLES E(UGENE), b. Los Angeles, Calif, Nov. 24, 27. ANTHROPOLOGY, ARCHAEOLOGY. B.A., California, Los Angeles, 49, M.A., 52, Ph.D.(anthrop), 57. Asst. curator, Southwest Mus, Calif, 57-62; CURATOR ARCHAEOLOG, Nev. State Mus, 62-63; LOS ANGELES COUNTY MUS. NATURAL HIST, 64- Archaeologist, New World Archaeol. Found, 57. Fel. AAAS; fel. Anthropol. Asn; Soc. Am. Archaeol; Asn. Mus. Archaeology of North America, especially the West and California; aboriginal weaving techniques. Publ: Archaeological investigations at two sites on San Nicholas Island, California, Masterkey; Analysis of woven materials from San Clemente Island, California; Archaeology at Encino, California. Address: Los Angeles County Museum of Natural History, 900 W. Exposition Blvd, Los Angeles, Calif. 90007.
- ROZEBOOM, DR. WILLIAM W(ARREN), b. Ottumwa, Iowa, Feb. 29, 28; m. 54; c. 2. PSYCHOLOGY. S.B., Chicago, 49, Nat. Sci. Found. fel, 54-56, Ph.D., 56. Nat. Sci. Found. fel. psychol. & philos. of sci, Minnesota, 56-58; from instr. to asst. prof. PSYCHOL, St. Olaf Col, 58-61; Wesleyan, 61-64; assoc. prof, ALBERTA, 64-68, PROF, 68-Med.C., U.S.A., 50-52. Psychol. Asn. Behavior theory; formal methodology; philosophy of science; mediation processes in behavior; meanings and origins of theoretical concepts; logical grammar of scientific propositions. Publ: Foundations of the theory of prediction, Dorsey, 66; Ontological induction and the logical typology of scientific variables, Philos. of Sci, The concept of "memory", Psychol. Rev, 65. Address: Dept. of Psychology, University of Alberta, Edmonton, Alta, Can.
- ROZENTAL, DR. ALEK A(ROD), b. Warsaw, Poland, Aug. 21, 20; nat; m. 50; c. 2. ECONOMICS. B.Sc., London, 48; M.A., Minnesota, 50, Ph.D.(econ), 55. Instr. econ, Minnesota, 50-55, lectr, 55-56, asst. prof, 56-59; assoc. prof, St. Louis, 59-60; financial adv, U.S. Agency Int. Develop, Laos, 60-63; chief economist, U.S. Mission to Vietnam, 63-65; CHIEF OF PARTY, NAT. PLANNING ASN. RES. TEAM, THAILAND, 65- Soc. Sci. Found. fel, Denver, 57; Ford Found. fel. int. rels, 57-58; Cmt. Econ. Develop. of South Res. fel, 59-60. Consult, Gov. Tax Study Cmt, Minn, 55-56; Metrop. St. Louis Surv, 57; U.S. Off. Ed, 60; Small Bus. Admin, 60; Philco Ford Corp, Thailand, 67. Brit. Army, 40-45. Am. Econ. Asn; fel. Royal Econ. Soc. Public and international finance; economic development. Publ: Ed, Studies in Vietnamese economy, U.S. Mission to Thailand, 64; auth, Financial markets in Thailand, Nat. Planning Asn, 68; Investment policy of Minnesota's trust funds. Address: Center for Development Planning, National Planning Association, 1525 18th St. N.W., Washington, D.C. 20036.
- ROZIN, DR. PAUL, b. Brooklyn, N.Y., Aug. 3, 36; m. 57; c. 2. PSYCHOLOGY. B.A., Chicago, 56; Nat. Sci. Found. fel, Harvard, 56-61, M.A., 57, Ph.D.(psychol, biol), 61. Nat. Insts. Health fel. PSYCHOL, sch. pub. health, Harvard, 61-63; asst. prof, PENNSYLVANIA, 63-67, ASSOC. PROF, 67- AAAS; Soc. Zool; Psychol. Asn. Publ: Temperature independence of an arbitrary temporal discrimination in the goldfish, Science, 65; Thiamine specific hunger, In: Handbook of physiology, vol. I, Am. Physiol. Soc, 67; Specific aversions as a component of specific hungers, J. Comp. & Physiol. Psychol, 67. Address: Dept. of Psychology, University of Pennsylvania, Philadelphia, Pa. 19104.
- ROZMAN, PROF. DAVID, b. Eupatoria, Russia, Aug. 6, 95; nat; m. 24; c. 1. LAND ECONOMICS. B.A., Wisconsin, 23, M.A., 26, Ph.D., Northwestern, 31. Asst. inst. land econ, Northwestern, 25-27; asst. res. prof. agr. econ, MASSACHUSETTS, 27-36, res. prof. ECON. & AGR. ECON, 36-62, EMER. PROF, 62- Consult, Nat. Resources Cmt, 36-40; State Planning Bd, Mass, 36-40. Econ. Asn. Land use; natural resources; population and food supply, Publ: Interrelationship of land uses in rural areas; Transfer of ownership in rural land; Migration and trend of population in Massachusetts. Address: 194 Amity St, Amherst, Mass. 01002.
- ROZNOWSKI, DONALD M(ARTIN), b. Syracuse, N.Y., Aug. 30, 26; m. 50; c. 4. GEOGRAPHY. A.B., Syracuse, 50; M.A., Illinois, 52. Geogr. Bur. Census, 49; INDUST. GEOGR. STATE DEPT. COMMERCE, N.Y., 52- U.S.N., 44-46. Asn. Am. Geog. Geography as applied to industrial development and United States underdeveloped areas; regional geography of eastern United States and Canada. Address: State Department of Commerce, 112 State St, Albany, N.Y. 12207.
- ROZOS, PROF. GEORGE T(HEODORE), b. Patras, Greece, Nov. 29, 25; nat; m. 54. POLITICAL PHILOSOPHY. B.A., Columbia, 50, M.A., 53, Ph.D., 58. Instr, Hunter Col, 54-57; lectr, City Col. New York, 57-62, asst. prof, PRATT INST, 61-64, ASSOC. PROF, 64- Address: 295 St. Johns Place, Brooklyn, N.Y. 11238.
- ROZMAN, DR. GILBERT B(RUCE), b. Walsenburg, Colo, Sept. 25, 26; m. 49; c. 2. PSYCHOLOGY. A.B., Miami, 49, M.S., 50; Ph.D.(psychol), Purdue, 53. Aviation psychologist, personnel res. sect, Human Resources Res. Labs, Bolling Air Force Base, 49, MacDill Air Force Base, 50-51; counsr, voc. guid. center, Miami, 50; asst. instr. psychol, Purdue, 51-52; human engr, Gen. Elec. Adv. Electronics Center, Cornell, 53-54; res. assoc, training methods div, HumRRO, George Washington, 54-56; specialist, defense syst. dept, Gen. Elec. Co, N.Y., 56-59; supvr. human factors group, Great Valley Lab, Burroughs Corp, 59-61, mgr. personnel substy, mil. systs. div, Burroughs Labs, Pa, 61-63; ops. anal, Res. Anal. Corp, Va, 63-65; PRES, SCI. OPER. SYS., INC, 65-; STAFF SCIENTIST, STROMBERG-DATA-GRAPHIC DIV, GEN. DYNAMICS CORP, 67- Prog. chmn, command & control group, 15th Mil. Ops. Res. Symposium, Armed Forces Staff Col, 65; mem, Proj. Aristotle, Nat. Security Indust. Asn, 66- U.S.N., 44-46. AAAS; Psychol. Asn; Human Factors Soc; Int. Asn. Appl. Psychol. Personnel and industrial management; improvement and application of electrophysiological techniques to the behavioral and medical sciences; computer assisted instruction in vocational education; command and control system decision making processes. Publ: Electronic measurement of disjunctive eye movements, Am. Psychol; co-auth, Human factors in the operation of sonobuoy equipment from aircraft; Malfunction simulation system of dataflow class of trainers, Proc. Nat. Convention Mil. Electronics. Address: Scientific Operational Systems, Inc, 9354 Loren Dr, La Mesa, Calif. 92041.
- ROZYCKI, PROF. JEROME J(OSEPH), b. Detroit, Mich, June 8, 11; m. 51; c. 4. SOCIOLOGY. M.S.W., Catholic Univ, 36, Ph.D.(sociol), 48. Asst. mgr. br, State Unemploy. Compensation Cmn, Mich, 38-40; asst. dir, Bur. Rehab, D.C., 46-48; asst. prof. SOCIOL. & head dept, St. Joseph's Col, 48-50; asst. prof, DETROIT, 50-52, assoc. prof, 54-63, PROF. & CHMN. DEPT, 63- Consult. & specialist, Cent. Intel. Agency, D.C., 52-54; consult, Detroit Soc. Agency; Mayor's Cmn. Rehab. Probs. V.Chmn, Youth Serv. Agency. U.S.M.C., 40-46, Maj. Fel. Sociol. Asn; Nat. Coun. Crime & Delinquency. Correctional work; minority relations; social research. Publ: Early recidivism among first offenders; Low income housing for low income aged, Detroit Housing Cmn, 63; co-auth, Conservation-evaluation of conservation programs in Detroit and four major cities, Detroit Cmn. Community Renewal, 65. Address: 18262 Muirland, Detroit, Mich. 48221.
- RUBEL, DR. ARTHUR J(OSEPH), b. Shanghai, China, Aug. 29, 24; U.S. citizen; m. 55; c. 1. ANTHROPOLOGY. B.A., Mex. City Col, 49; M.A., Chicago, 57; Nat. Inst. Ment. Health fel, North Carolina, 59-62, Ph.D.(anthrop), 62. Res. assoc. anthrop, Texas, 57-59; anthropologist, U.S. Pub. Health Serv, 62-63; asst. prof. ANTHROP, North Carolina, 63-64; Texas, 64-66; ASSOC. PROF, NOTRE DAME, 66- Nat. Sci. Found. travel fel, 66; prog. adv, Ford Found, 67-68. Consult, U.S. Pub. Health Serv, 63-67; Hogg Found. Ment. Health, 64-66. U.S.N.R., 42-46. Fel. Anthropol. Asn; fel. Soc. Appl. Anthropol. Medical anthropology; social anthropological studies of Mexican-Americans and Indian groups of Mexico, especially health behavior and attitudes. Publ: Across the tracks, Univ. Texas, 66; Epidemiology of a folk illness, Ethnology, 64; Role of social science research in recent health programs in Latin America, Latin Am. Res. Rev, 66. Address: Dept. of Sociology & Anthropology, University of Notre Dame, Notre Dame, Ind. 46556.
- RUBEL, DR. PAULA G, b. New York, N.Y., Mar. 13, 33; m. 54; c. 2. ANTHROPOLOGY. A.B., Hunter, 53; Nat. Inst. Ment. Health fel. & grant, Columbia, 60-63, Ph.D.(anthrop), 63. Lectr. ANTHROP, Hunter Col, 63-64; instr, N.Y. Univ, 64-65; lectr, BARNARD COL, COLUMBIA, 65-66, ASST. PROF, 66- N.Y. State Regents col. teaching fel, 62; Nat. Inst. Ment. Health res. grant library & archival res. in Soviet Union, 64-65. Fel. Anthropol. Asn; Ethnol. Soc; Mongolia Soc. Cultural anthropology. Publ: Gift exchange among the Kalmyk Mongols, 66 & The Kalmyk Mongols; a study in continuity and change, 67, Indiana Univ; On the question of kindreds in societies with unilineal descent systems, Seventh Int. Con, 65. Address: Dept. of Anthropology, Barnard College, Columbia University, New York, N.Y. 10027.
- RUBENFELD, DR. SEYMOUR, b. Scranton, Pa, Sept. 17, 29; m. 53; c. 3. CLINICAL PSYCHOLOGY. B.A., Pa. State, 51, U.S. Pub. Health Serv. fel, 52-54, M.S., 53, Ph.D., 54. Chief. psychol. serv, Nat. Training Sch. Boys, D.C., 54-57; CLIN. PSYCHOLOGIST, 57- Staff psychologist, Fairfax County Child Guid. Center, 56-65; res. psychologist, Catholic Univ, 57-59; assoc. dir, McLean Guid. Center, Va, 63-; mem. faculty group therapy training prog, Washington Sch. Psychiat, 65- Consult, Nat. Training Sch. Boys, D.C., 58-63; Nat. Insts. Health, 59-; probtn. off, Fed. Dist. Court, D.C., 60; President's Nat. Cmn. Law Enforcement, 67; St. Elizabeth's Hosp, D.C., 67- Ed, President's Nat. Cmn. Ment. Health Children, 68. U.S.P.H.S., 54-57, Scientist. Psychol. Asn. Causal theory in delinquency; deviant group processes; group treatment of offenders and disturbed families; psychotherapy; psychocultural aspects of personality disturbances and aggression. Publ: Family of outcasts: a new theory of delinquency, Macmillan, 65; co-auth, An adolescent delinquent inmate social system: a psychosocial account, Psychiatry, 63; auth, Typological approaches and delinquency control: a status report, Nat. Clearing House Ment. Health Info, Nat. Inst. Ment. Health, 67. Address: 6869 Elm St, McLean, Va. 22101.
- RUBENSTEIN, PROF. ALBERT H(AROLD), b. Philadelphia, Pa, Nov. 11, 23; m. 49; c. 2. INDUSTRIAL ENGINEERING. B.S., Lehigh, 49; M.S., Columbia, 50, Ph.D.(indust. eng), 54. Sr. engr, Culpepper Hertz, 50-52; res. assoc. indust. eng, Columbia, 50-53; instr. indust. mgt, Mass. Inst. Tech, 53-54, asst. prof, 54-59; PROF. INDUST. ENG. & MGT. SCI, NORTHWESTERN, 59- Asst. dir & consult, annual conf. indust. res, Columbia, 50-56, univ. seminar assoc, 53-; Fulbright res. scholar, Norway, 55; vis. prof, California, Berkeley, 64. Consult, ballistics res. lab, U.S. Dept. Army, 59-60; Franklin Inst, 59-61; McKinsey & Co, 59-62; Ohio Res. & Develop. Bd, 62-64; Rand Corp, 64- Mem. adv. cmt. off. spec. studies, Nat. Sci. Found, 60- U.S.A., 43-46. Inst. Mgt. Sci. (v. pres, 66-68); Ops. Res. Soc; Soc. Appl. Anthropol; Inst. Elec. & Electronics Eng.(ed. transactions, 59-). Organization theory; management of research and development. Publ: Ed, Coordination control and financing

of industrial research, Columbia, 55; co-ed, Some theories of organization, Irwin, 66; co-auth, Team research, East. Tech. Pubs, 53. Address: Dept. of Industrial Engineering & Management Science, Northwestern University, Evanston, Ill. 60201.

RUBENSTEIN, DR. FRANK J (AY), b. Chicago, Ill, June 14, 21; m. 51; c. 3. SOCIOLOGY. B.S. Illinois, 49; M.S.W. Pittsburgh, 51, Ph.D. (soc. sci), 64; cert. Yale, 54. Sr. soc. worker, West. Psychiat. Inst. Pa, 51-54; res. assoc. alcoholism, sch. pub. health, Pittsburgh, 54-55; chief soc. serv., Allegheny Gen. Hosp., 55-61; soc. work, Ft. Logan Ment. Health Center, Colo, 61-63; Dade County Child Guid. Clin, 63; clin. teacher psychiat. & asst. prof. soc. work, Toronto & chief soc. serv., Toronto Psychiat. Hosp., 63-65; ASSOC. PROF. SOCIOL. COLO. STATE COL., 65- Nat. Inst. Ment. Health res. grant & co-dir. Sr. consult. soc. work, Vet. Admin. Hosp., Ft. Lyons, Colo, 61-62; consult, sch. nursing, Ont. Hosp., Whitby, 63-65; Alcoholism & Drug Addiction Found, Toronto, 65. U.S.A.F., 41-45, Res, 45-, Maj. Fel. Pub. Health Asn; Sociol. Asn; Soc. Sci. Study Sex. Child development; social and psychiatric factors of alcoholism; research and treatment of families as entity. Publ: On discovering your talents, WICHE, 61; The use of the therapeutic community as a stepping stone to family and society, J. Am. Orthopsychiat. Asn, 3/64. Address: Dept. of Sociology, Colorado State College, Greeley, Colo. 80631.

RUBENSTEIN PROF. HERBERT, b. U.S. Dec. 24, 20. PSYCHOLINGUISTICS, LINGUISTICS. B.A. Pennsylvania, 42; M.A., Columbia, 43, Ph.D., 49. Instr. Arabic, Pennsylvania, 43; Polish & Russian, Indiana, 43-44; Russian, Mich. State, 49-52, asst. prof, 52-55; ed. specialist, ed. res. lab, U.S. Air Force, 56-57, sci. linguist, Oper. appl. lab, 57-60, chief, info. presentation div, 60-64; res. fel, Harvard Center Cognitive Studies, 64-67; PROF. LING. LEHIGH, 67- Fel. Am. Coun. Learned Soc., 46-48; Vis. lectr, Pennsylvania, 68. Consult, spec. proj, soc. sci. div, Nat. Sci. Found, 65- Mem. biomet. commun. study sect, Nat. Insts. Health, 67- Ling. Soc., Psychol. Asn; Sci. Res. Soc. Am; Asn. Mech. Trans. & Comput. Ling. Psycholinguistics. Publ: Information theory and immediate recall, J. Exp. Psychol; Psycholinguistics, Ann. Res. Psychol; Contextual correlates of synonymy, Commun. Asn. Comput. Mach. Address: Center for the Information Sciences, Lehigh University, Bethlehem, Pa. 18015.

RUBIN, PROF. BERNARD, b. New York, N.Y., Oct. 29, 26; m. 55. POLITICAL SCIENCE. B.A., N.Y. Univ, 49, M.A., 50, fel, 50-51, Ph.D. (govt), 54. Instr. POLIT. SCI., Brooklyn Col, 51-52; asst. prof, Rutgers, 52-58; Skidmore Col, 58-59; assoc. prof, BOSTON, 59-63, PROF, 63-, LECTR. PUB. AFFAIRS, AIR FORCE INFO. OFFICERS PROG, 59- Res. adv. spec. cmt, Am. Polit. Sci. Asn, 63- U.S.A., 44-46. Polit. Sci. Asn; Soc. Pub. Admin. Governmental communications; public opinion and propaganda; political theory. Publ: Public relations and the empire state, Rutgers, 59; Political television, Wadsworth, 67; Propaganda and ideological conflicts, 1917-1945, Contemporary Rev. Address: School of Public Communication, Boston University, 640 Commonwealth Ave, Boston, Mass. 02215.

RUBIN, DR. ELI Z (UNDER), b. Boston, Mass, Feb. 4, 22; m. 47; c. 2. CLINICAL PSYCHOLOGY. A.B. Harvard, 43; M.A., Boston, 47, Ph.D., 51. Asst. instr. psychol, Boston, 47-51; instr, Brown, 51-55; chief clin. psychologist, Dayton Guid. Center & Receiving Hosp. Children, Ohio, 55-56; chief psychologist, children's unit, LAFAYETTE CLIN, 56-60, dir. div. rehab, 61-64, DIR. DIV. PSYCHOL, 65- Assoc. prof, Wayne State, 56-67, prof, 67- Staff psychologist, Mass. Gen. Hosp, 49-51; chief clin. psychologist, Emma Pendleton Bradley Home, 51-55. Consult, Detroit Cerebral Palsy Center, 58-; res. consult, Wyandotte Spec. Class Proj, 60- Dipl. Am. Bd. Exam. Pfrnl. Psychol, 56. Med. Admin. C, 43-46, 2nd Lt. Psychol. Asn; fel. Orthopsychiat. Asn. Evaluation and development of special education for emotionally disturbed children; alternatives to hospitalization for psychiatric patients. Publ: Co-auth, Emotionally handicapped children & the elementary school, 66 & Developing ego functions in disturbed children, 67, Wayne State. Address: Lafayette Clinic, 951 E. Lafayette, Detroit, Mich. 48207.

RUBIN, DR. ERNEST, b. New York, N.Y., May 14, 15; m. 34; c. 3. STATISTICS. Ph.D. (econ. hist), Columbia, 47. Statistician, immigration & naturalization serv, U.S. Dept. Justice, 41-48; chief statist. sect, European div, U.S. DEPT. COMMERCE, 48-51, E. European sect, 51-61, DIR. SINO-SOVIET DIV, BUR. INT. PROGS, 61- Adj. prof, American Univ, 48-; Catholic Univ, 61-; prof. lectr, Georgetown, 63-; res. grant, Resources for Future, Inc, 64. Res. assoc. Nat. Bur. Econ. Res, 48-51. Ed. Am. Statistician, 68. Dir. U.S. Trade Mission to Poland, 58; U.S. Trade Experts Del. to U.S.S.R., 63. Fel. AAAS; fel. Statist. Asn; Math. Soc; Math. Asn. Immigration of the United States; international movements of trade, investments and migration; statistical theory and applications. Publ: Unemployment of aliens in the United States, 1940; co-auth, Immigration and the foreign born. Address: 540 S. Carlyn Spring Rd, Arlington, Va. 22204.

RUBIN, DR. HANAN, Math, see 11th ed, Phys. & Biol. Vols.

RUBIN, DR. HAROLD, b. New York, N.Y., Feb. 23, 27; m. 50; c. 2. ECONOMICS. B.S.S. City Col. New York, 49; N.Y. Univ, 49-50; M.P.A. Syracuse, 56, D.P.A., 63. Jr. statistician, State Pub. Serv. Cmn, N.Y., 50-53; economist, State Dept. Commerce, 53-55, sr. economist, bur. bus. res, 55-56; sr. res. analyst, N.Y. STATE DIV. BUDGET, 56-59, assoc. res. analyst, 59-63, prin. res. analyst, 63-67, DEP. CHIEF BUDGET EXAM, EMPLOYEE COMPENSATION & RELS. UNIT 67- U.S.N., 45-46. Econ. Asn. Public finance; social insurance; pensions; employee compensation; fringe benefits. Publ: Pensions and employee mobility in the public service, 20th Century, 65. Address: 156 Chestnut St, Albany, N.Y. 12210.

RUBIN, DR. HARRIS B, b. Jersey City, N.J., May 12, 32; m. 60; c. 3. EXPERIMENTAL PSYCHOLOGY. A.B. Southern Illinois, 59; Nat. Inst. Ment. Health fel, Chicago, 61, univ. fel, 62, Ph.D. (psychol), 65. MED. RES. ASSOC. PSYCHOL. BEHAV. RES. LAB, ANNA STATE HOSP, 65. Asst. prof, rehab. inst, Southern Illinois, 66- A.U.S., 52-54. Psychol. Asn. Sexual and innate behavior; perception; operant conditioning. Publ: Co-auth, Temporal patterns of sexual behavior in rabbits as determined by an automatic recording technique, 67 & Biting attack by rats in response to aversive shock, 68, J. Exp. Anal. Behav; auth, Rabbit families and how they

grow, Psychol. Today, 67. Address: Behavior Research Laboratory, Anna State Hospital, Anna, Ill. 62906.

RUBIN, DR. HARRY K (OENIGSBERG), b. Poland, Mar. 27, 13; nat; m. 38; c. 2. DEVELOPMENTAL PSYCHOLOGY. B.A., Wisconsin, 36, M.A., 40; Ph.D., Chicago, 50. Sr. psychologist, Milwaukee County Guid. Clin, Wis, 50-51; Sonoma State Hosp, Calif, 51-56; PRACTICING PSYCHOLOGIST, 52-Consult, bur. voc. rehab, State Dept. Ed, Calif, 55-; Sonoma City Welfare Dept, 57- Psychol. Asn; fel. Asn. Ment. Deficiency; Acad. Psychother. Psychological, biological and sociological human development; nature and origin of undifferentiated mental deficiency; marriage and family living. Publ: Co-auth, Mongolism and convulsive seizure, Arch. Neurol; Electroencephalograph survey of undifferentiated mental deficiencies, J. Ment Deficiency; Effects of thiorazine, sepassil on behavior of mental defects. Address: 1515 Montgomery Dr, Santa Rosa, Calif. 95405.

RUBIN, DR. HERBERT, Commun, see 11th ed, Phys. & Biol. Vols.

RUBIN, DR. IRWIN MARTIN, b. Brooklyn, N.Y., June 4, 39; m. 59; c. 3. SOCIAL PSYCHOLOGY. B.S.E.E. Tufts, 61; M.S. Mass. Inst. Tech, 63, Ph.D. (mgt), 66. Res. asst. mgt, MASS. INST. TECH, 62-65, ASST. PROF. ORGN. PSYCHOL. & MGT, 66- Consult, Mass. Dept. Ed, 66; Polaroid Corp, 66-67; Peace Corps, 66- Psychol. Asn. Organization theory; management of research and development; laboratory, sensitivity, training; attitude change; evaluation research. Publ: Increased self-acceptance: a means of reducing prejudice, J. Personality & Soc. Psychol, 67; co-auth, A projective study of attitudes toward continuing education, J. Appl. Psychol, 67; auth, The reduction of prejudice through laboratory training, J. Appl. Behav. Sci, 67. Address: Dept. of Management, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

RUBIN, DR. ISRAEL, b. Sighet, Rumania, June 8, 23; U.S. citizen; m. 51; c. 3. SOCIOLOGY. A.B. Pittsburgh, 58, Andrew Mellon fel, 60, Ph.D. (sociol), 65. Instr. sociol, Northwestern, 61-62; sociol. & soc. sci, Minnesota, Minneapolis, 62-66; ASSOC. PROF. SOCIOL. CLEVELAND STATE, 66- Consult, pub. schs, Minn, summer 66; test developer, U.S. Armed Forces, 67-68. Sociol. Asn; Anthropol. Asn. Culture and culture change of industry and industrialization; urban minorities in present-day United States. Publ: Chassidic community behavior, Anthropol. Quart, 7/64. Address: Dept. of Sociology, Cleveland State University, Cleveland, Ohio 44115.

RUBIN, DR. JULIUS, b. New York, N.Y., Feb. 18, 21; m. 47; c. 1. ECONOMIC HISTORY & DEVELOPMENT. B.A., Brooklyn Col, 50; M.A., Columbia, 55, Ford Found. fel, 57-58, Ph.D., 59. Instr. ECON. Columbia, 58-59, asst. prof, 59-64; ASSOC. PROF. HIST. & ECON, PITTSBURGH, 64- Faculty & Soc. Sci. Res. Coun. grants, Columbia, 61. Econ. Asn; Econ. Hist. Asn; Hist. Asn. Economic history of the South; comparative economic development of North American regions; urbanization and development. Publ: Canal or railroad? imitation and innovation in the response to the Erie Canal in Philadelphia, Boston and Baltimore, Trans. Am. Philos. Soc; Chaps. In: Canals and American economic development; Chap. In: The growth of the seaport cities, 1790-1825, Univ. Virginia, 67. Address: Dept. of History, University of Pittsburgh, Pittsburgh, Pa. 15213.

RUBIN, DR. LEONARD SIDNEY, Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.

RUBIN, DR. MANDEL, b. Cleveland, Ohio, Aug. 1, 19; m. 58. CLINICAL PSYCHOLOGY. B.B.A., Western Reserve, 41, Ph.D., 58. Staff psychologist, Children's Aid Soc, Ohio, 51-52; Cleveland State Hosp, 52-59; DIR. DEPT. MARRIAGE CONCILIATION, COMMON PLEAS COURT, CUYAHOCA COUNTY, 59- U.S.A., 41-47, Capt. Psychol. Soc. Personality rigidity; diagnostic processes of clinical psychologists. Publ: Rigidity of attitudes regarding personal habits and its ideological correlates, J. Abnorm. & Soc. Psychol; Diagnostic prototypes and diagnostic processes of clinical psychologists, J. Consult, Psychol. Address: 1987 Templethurst, Cleveland, Ohio 44121.

RUBIN, DR. MORRIS, b. Philadelphia, Pa, Dec. 25, 12; m. 43; c. 2. COUNSELING PSYCHOLOGY. B.S. Temple, 33, M.S., 44, Ed.D., Pennsylvania, 50. Voc. counsr, Vet. Admin. Guid. Center, Pennsylvania, 44-48; dist. exec. dir, B'nai B'rith Voc. Serv. of Phila. & Exten. Areas, 48-58; PRACTICING PSYCHOLOGIST, 58- Lectr, Rutgers Univ, Col, 62-; asst. prof, Camden County Col, 67- Psychologist, Burlington City Schs, 58-62, coordinator psychol. serv, Burlington Twp. Schs, 62- Psychol. Asn; Personnel & Guid. Asn. Vocational guidance; occupational research. Publ: How to study; Studying for success in college; Scholarships in the Philadelphia area. Address: 616 Everett Ave, Collingswood, N.J. 08108.

RUBIN, DR. MORTON, b. Boston, Mass, Apr. 1, 23; m. 54; c. 2. SOCIOLOGY. B.A., Boston, 46; M.A., North Carolina, 47, Ph.D. (sociol, anthrop), 50. Asst. instr. res. soc. sci, North Carolina, 47-48; res. div, Israel Ministry Soc. Welfare, 51-52; from instr. to asst. prof. SOCIOL, Wisconsin, 52-57; asst. prof, NORTHEASTERN, 57-62, ASSOC. PROF, 62- Vis. fel, center int. studies, Princeton, 54-55; Soc. Sci. Res. Coun. grants, 56, 61 & 65; Nat. Inst. Ment. Health grant, 62. U.S.A., 43-46. Sociol. Asn; Soc. Study Social Probs; Mid. East Studies Asn. Community analysis; resident response to urban renewal in Negro neighborhoods; achieving community identity, Acre, Israel. Publ: Plantation County, Univ. North Carolina, 51, revised ed. Col. & Univ. Press, 63. Address: Dept. of Sociology, Northeastern University, Boston, Mass. 02115.

RUBIN, DR. SIDNEY, Psychoanal, see 11th ed, Phys. & Biol. Vols.

RUBIN, DR. STANLEY I (RWIN), b. New York, N.Y., Nov. 21, 29; m. 53; c. 2. PSYCHOLOGY. B.S. Long Island, 51; M.A., Boston, 52; Ph.D. (counseling psychol), Ohio State, 58. Counseling psychologist, Voc. Guid. & Rehab. Serv, Cleveland, Ohio, 56-59, res. dir, 59-60; V.PRES. ASSESSMENT SERV, PERSONNEL RES. & DEVELOP. CORP, 60- Psychol. Asn; Personnel & Guid. Asn. Personnel assessment with projective techniques; executive selection and development; vocational counseling; personnel problems in business and

- industry. Publ: Co-auth, Expressed standards of behavior of high school students, teachers and parents, Personnel & Guid. J. Address: 2492 Traymore Rd, University Heights, Ohio 44118.
- RUBIN, DR. VERA, b. Moscow, Russia, Aug. 16, 11; nat; m. 30, 58; c. 2. ANTHROPOLOGY. B.S., N.Y. Univ. 30; Ph.D., Columbia, 52. Lectr. anthropol. Hunter Col., 52-53; researcher, med. col. Cornell, 53-55; res. assoc., Columbia, 55-58; DIR. SOC. SCI. RES. INST. STUDY MAN, 58-; chmn. cmt. interracial comm., 67-68. Dir. anthropol. Prog. Study Man in Tropics, 55-58; univ. assoc., Columbia, 57-; lectr., N.Y. Univ., 57-58; assoc. prof., Brandeis, 59-60; clin. assoc. prof., N.Y. Med. Col., 63-; proj. adminstr., Studyman, Bolivia, 64-; prog. adminstr., Inter-Univ. Consortium Soc. Sci. Training in Caribbean, 66- Mem. ad hoc tech. cmt. family planning, Nat. Urban League, 67-; Joint Cmn. Ment. Health of Children, 67- Fel. AAAS; fel. Anthropol. Asn; Acad. Polit. Sci.; Am. Geog. Soc.; fel. Orthopsychiat. Asn; Soc. Appl. Anthropol. (v. pres., 67-68, pres. elect., 68-69); fel. N.Y. Acad. Sci. Cultural and applied anthropology; culture change; medicine and anthropology; race relations; ethnic minorities; theory and methodology in the behavioral sciences; cross-cultural research in the Caribbean and the United States. Publ: Ed. Plantation systems of the New World, Pan Am. Union, 59; Caribbean studies: a symposium, Univ. Washington, 3rd ed, 66; Culture, society, and health, Ann. N.Y. Acad. Sci., Vol. 84, Article 17: 783-1060. Address: Research Institute for the Study of Man, 162 E. 78th St, New York, N.Y. 10021.
- RUBINGTON, DR. EARL, b. New Haven, Conn, Dec. 10, 23; m. 51. SOCIOLOGY. B.A., Yale, 47, M.A., 49, Ph.D., 55. Instr. sociol., Connecticut, 49-51; asst. anal. Korean culture, Human Rels. Area Files, Inc., Conn, 51-52; asst. inst. res. soc. sci., North Carolina, 52-54; res. assoc., Community Studies, Inc., Mo, 54-56; res. sociologist, Conn. Cmn. Alcoholism, Yale Center Alcohol Studies, 56-61; ASSOC. PROF. SOCIOLOGICAL & RES. SOCIOLOGIST, CENTER ALCOHOL STUDIES, RUTGERS, 61- Lectr., Univ. Kansas City, 54-56; asst. prof., Park Col., 54-56; lectr., Yale, 56-61. Consult, Greater Phila. Movement Probs. Skid Row Relocation, 58; Community Coun. of Greater N.Y., 65-67. U.S.A.A.F., 43-45, Sgt. Fel. Sociol. Asn; Soc. Study Social Probs. Sociology of deviance; social organization of correctional and treatment communities. Publ: Co-auth, Deviance. The interactionist perspective, Macmillan, 58; auth, Chronic drunkenness offender, Ann. Am. Acad. Polit. & Soc. Sci.; Grady 'breaks out': a case study of an alcoholic's relapse, Soc. Probs., 64. Address: Center of Alcohol Studies, Rutgers, The State University, New Brunswick, N.J. 08903.
- RUBINSTEIN, PROF. ALVIN Z(ACHARY), b. New York, N.Y., Apr. 23, 27; m. POLITICAL SCIENCE. B.B.A., City Col. New York, 49; M.A., Pennsylvania, 50, univ. scholar, 51-52, Harrison fel., 53-54, Ph.D. (polit. sci.), 54. Asst. Int. Pub. Opinion Res. Inc., 50-51; econ. analyst, Nat. Cmt. Free Europe, 52-53; lectr. govt., City Col. New York, 56; Ford Found. fel., Russian Res. Center, Harvard, 56-57; lectr. POLIT. SCI., PENNSYLVANIA, 57-59, asst. prof., 59-61, assoc. prof., 61-66, PROF., 66-; CHMN. GRAD. PROG. INT. RELS., 66- Inter-Univ. Cmt. travel grant, U.S.S.R.; Am. Philos. Soc. res. grants, 58, 59; Rockefeller Found. grant, 61-62; Guggenheim Mem. fel., 65-66. Mem. nat. selection cmt., Inter-Univ. Cmt. Travel Grants, U.S.-U.S.S.R. Exchange Prog., 64-65; For. Area Fel. Prog., 67-68. U.S.N.R., 45-47, 54-56, Lt. Polit. Sci. Asn; Acad. Polit. & Soc. Sci.; Asn. Adv. Slavic Studies. Soviet policy in international organizations; comparative government; American foreign policy. Publ: Foreign policy of the Soviet Union; The Soviets in international organizations: changing policy toward developing countries, 1953-1963, Princeton Univ., 64; Communist political systems, Prentice-Hall, 66. Address: Dept. of Political Science, University of Pennsylvania, Philadelphia, Pa. 19104.
- RUBINSTEIN, DR. ELI A., b. New York, N.Y., Apr. 27, 19; m. 42; c. 3. CLINICAL PSYCHOLOGY. B.S., City Col. New York, 39; M.A., Catholic Univ., 48, Ph.D. (psychol.), 51. Asst. chief clin. psychologist, ment. hyg. clin., Vet. Admin., 51-55, asst. dir. psychol., neuropsychiat. res. lab., 55-57; prog. analyst, training br., NAT. INST. MENT. HEALTH, 57-62, asst. chief, 62-63, chief, 63-65, assoc. dir. extramural progs., 65-66, DIR. DIV. MANPOWER & TRAINING, 66- Clin. assoc., Catholic Univ., 51-; fel. Center Adv. Study Behav. Sci., 67-68. Clin. consult., Georgetown, 56-58. U.S.N.R., 42-45, Res., 45-; Comdr. Fel. AAAS; fel. Psychol. Asn. Psychotherapy; personality measurement; manpower and training in mental health; recruitment and training in science administration. Publ: Co-auth, Survey of clinical practice in psychology, Int. Univs., 54, Research in psychotherapy, Am. Psychol. Asn., 59 & Manpower and mental health, Aldine, 68. Address: National Institute of Mental Health, 5454 Wisconsin Ave, Chevy Chase, Md. 20203.
- RUBINSTEIN, DR. JOSEPH, b. Salem, N.J., Apr. 3, 26; m. 55; c. 3. PSYCHOLOGY. A.B., Bucknell, 50; M.S., Purdue, 54; Ph.D. (physiol. psychol.), Michigan, 60. Clin. psychologist, Vet. Admin. Hosp., Palo Alto, Calif., 59-61; asst. prof. PSYCHOL., Chico State Col., 61-65; ASSOC. PROF., PURDUE, 65- Res. assoc., dept. physiol. & biophys., sch. med., Washington (Seattle), summer 62. U.S.N., 44-46. AAAS; Psychol. Asn. Effects of early experience on adult behavior; student-teacher interaction. Address: Dept. of Psychology, Purdue University, West Lafayette, Ind. 47907.
- RUBY, DR. WALTER MCCLINTOCK, b. Yazoo City, Miss., Mar. 19, 27; m. 57; c. 1. EDUCATION, PSYCHOLOGY. B.A., Mississippi, 52; M.A., Austin Peay State Col., 57; Ed.D. (ed. psychol.), Tennessee, 61. Coordinator, Ft. Campbell exten. div., Austin Peay State Col., 55-59; dir. talented youth prog., CHATTANOOGA, 60-63, ASSOC. PROF. ED. & PSYCHOL., 60-; DIR. ED. SERV. CENTER, 61-; CHMN. DIV. GRAD. ED., 66- Psychol. consult., Dept. Welfare & Voc. Rehab., 65-; consult., Rehab. Serv. for Blind. Exam., Tenn. State Dept. Ed., 66- Psychol. Asn. Influence of personality on learning; personality correlates; intellectual evaluation. Address: Dept. of Education & Psychology, University of Chattanooga, Chattanooga, Tenn. 37403.
- RUCH, PROF. FLOYD L(EON), b. Guthrie Center, Iowa, Sept. 16, 03; m. 27; c. 2. PSYCHOLOGY. B.S., Oregon, 25; M.A., Iowa, 26; Ph.D. (psychol.), Stanford, 30. Instr. psychol., Washington (St. Louis), 27-29; nat. res. fel. biol., Sorbonne, Paris, 30-31; assoc. PSYCHOL., Illinois, 31-35, asst. prof., 35-36; Pa. State Col., 36-37; assoc. prof., SOUTHERN CALIFORNIA, 37-40, PROF., 42- Dir. res., Opinion Res. Corp., 40-41; pres., Psychol. Servs., Inc., 52- Dipl., Am. Bd. Exam. Prfnl. Psychol. Psychol. Asn. Publ: Co-auth, Psychology and life & Working with psychology; co-auth, The k factor as a (validity) suppressor variable in predicting success in selling, J. Appl. Psychol., Address: Dept. of Psychology, University of Southern California, Los Angeles, Calif. 90007.
- RUCHAMES, PROF. LOUIS, Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- RUCHELMAN, DR. LEONARD I., b. Brooklyn, N.Y., June 28, 33; m. 61; c. 2. POLITICAL SCIENCE. A.B., Brooklyn Col., 54; N.Y. Metrop. Region Prog. fel. & Ph.D. (polit. sci.), Columbia, 65. Vis. asst. prof. POLIT. SCI., West Virginia, 62-64; asst. prof., ALFRED, 64-67, ASSOC. PROF., 67-; CHMN. DEPT., 68- Polit. Sci. Asn; Soc. Pub. Admin. Legislative process and state politics; urban and metropolitan politics. Publ: Lawyers in the New York State legislature: the urban factor, Midwest J. Polit. Sci., 11/66; A profile of New York state legislators, West. Polit. Quart., 9/67. Address: College of Liberal Arts, Alfred University, Alfred, N.Y. 14802.
- RUCINSKI, DR. P(HILIP) RAYMOND, b. Stevens Point, Wis., Apr. 21, 33; m. 65; c. 2. EDUCATIONAL PSYCHOLOGY. B.S., Wis. State, Stevens Point, 57; M.S. Wisconsin, 61; Ed.D. (ed. psychol.), Indiana, 65. Teacher, elem. schs., Wis. & Ky., 52-61; asst. dir. placement, Southern Illinois, 63-64; asst. prof. ED. PSYCHOL., WIS. STATE, OSHKOSH, 65-67, ASSOC. PROF., 67- U.S.A., 53-55. Psychol. Asn; Ed. Res. Asn. Motivational factors in elementary school children; social development of preschool-age children; teacher-made measurement and evaluation instruments. Publ: The effects of two reinforcers upon lower- and middle-class fifth-grade pupils, J. Ed. Res., (in press). Address: 800 Algoma Ave, Oshkosh, Wis. 54901.
- RUCKER, DR. T(HOMAS) D(ONALD), b. Pittsburgh, Pa., June 26, 25; m. 57; c. 1. ECONOMICS. B.S., Miami (Ohio), 47; M.A., Ohio State, 48; Ph.D. (econ.), Syracuse, 52. Asst. prof. econ., Franklin & Marshall Col., 52-53, econ. & bus. admin., 53-54; res. analyst, Joint State Govt. Cmn., Pa., 54-56; staff training dept., Ford Motor Co., 56-58; lectr., Col. Adv. Tech., Eng., 58-59; dir. econ. & res., Detroit Bd. Commerce, Mich., 60-62; economist, Mich. Med. Serv., 62-63; res. economist, Nat. Asn. Blue Shield Plans, 63-65; MED. ECONOMIST, OFF. RES. & STATIST., SOC. SECURITY ADMIN., 65- Lectr., Wayne State, 61-63. Econ. Asn; Statist. Asn; Pub. Health Asn. Health care economics. Publ: Co-auth, Pragmatism and strikes, Law Rev., Syracuse Univ.; Methodological procedures in a very large national survey of physicians, Proc. Am. Statist. Asn., 64. Address: 3505 Hutch Place, North Chevy Chase, Md. 20015.
- RUCKER, DR. WILLIAM BERKLEY, b. Bristol, Va., Nov. 8, 36; m. 65; c. 1. BIOCHEMICAL & PHYSIOLOGICAL PSYCHOLOGY. B.S., Chicago, 61, Ph.D. (biopsychol.), 67. Asst. dir. acute toxicity dept., Indust. Bio-test Labs, Ill., 64-65; lectr. PSYCHOL., Roosevelt, 65-66; instr., GEORGE WASHINGTON, 66-67, ASST. PROF., 67- U.S. Pub. Health Serv. summer res. grants, 62-63; Sigma Xi grant-in-aid res., 66; George Washington Univ. grant-in-aid res., 66-67. AAAS; Psychol. Asn. Extent that macromolecules are involved in the coding of specific information in the brain, their production and especially their utilization are the bases of information processing in the brain. Publ: Co-auth, Memory, Ann. Rev. Med., 67; Memory: a molecular maze, Psychol. Today, 68; The molecular biology of memory, In: Molecular approaches to learning and memory, Proc. AAAS Symp., 68. Address: Dept. of Psychology, George Washington University, Washington, D.C. 20006.
- RUDD, PROF. JUDSON A(RCHER), Math., see 10th ed, Soc. & Behav. Vols.
- RUDD, PROF. ROBERT D(EAN), Phys. Geog., see 11th ed, Phys. & Biol. Vols.
- RUDD, PROF. ROBERT W(ILLIAM), b. Madisonville, Ky., Nov. 21, 19; m. 45; c. 3. AGRICULTURAL ECONOMICS. B.S., Kentucky, 39, M.S., 41; Ph.D. (agr. econ.), California, 52. Asst. agr. mkt., Kentucky, 39-41; agr. econ., Iowa State Col., 41-42; California, 46-48; asst. economist, KENTUCKY, 48-52, assoc. prof. AGR. ECON., 52-57, PROF., 57-; CHMN. DEPT., 67-; TRUSTEE, 68-; acad. asst. to pres., 63-65, acting dean col. commerce, 64-65. Lectr., grad. sch. banking, Wisconsin, 63- Consult, for. agr. admin., U.S. Dept. Agr., Spain, 56; Tenn. Valley Authority, 64-65; Nat. Adv. Cmn. Food & Fiber, 66-67. Chmn., Interregional Agr. Price & Income Policy Tech. Cmt., 60-; mem. adv. bd., aerospace res. appln. center, Indiana Univ., 64-67. U.S.A., 42-46, Res., 46-; Lt. Col. Agr. Econ. Asn. Agricultural marketing and prices; agricultural policy. Publ: Evaluation of agricultural programs in terms of economic growth, foreign trade and political feasibility: tobacco, Farm Found., 63, Congressional Record: Senate, 3/64; co-auth, Implications of changes in input markets for credit and finance on farm management and marketing research, Center Agr. & Econ. Adjust., Iowa State, 4/67; Scale of operations in agriculture, J. Farm Econ. Address: Dept. of Agricultural Economics, University of Kentucky, Lexington, Ky. 40506.
- RUDDUCK, PROF. RICHARD THOMPSON, b. South Bend, Ind., Apr. 30, 16; m. 55; c. 1. ORGANIZATIONAL BEHAVIOR, BUSINESS ADMINISTRATION. A.B., Wabash Col., 41; M.B.A., Harvard, 48; Ph.D. (indust. mgt.), Ohio State, 54. Sales correspondent, Ball-Band Plant, U.S. Rubber Co., Ind., 35-37, 40-41; asst. prof. mkt. mgt., Miss. State Col., 48-50; training mgr., Miss. Power & Light Co., 50-52; res. assoc. work measurement, res. found., Ohio State, 52-53; PROF. BUS. ADMIN., COL. BUS. ADMIN., TOLEDO, 54- Part-time consult., Nationwide Ins. Co.; Toledo Edison Co.; continuing ed. div. & col. commerce & admin., Ohio State; Air Force Tech. Inst. U.S.N.R., 42-46, Lt. Comdr. Acad. Mgt. Work measurement; management training programs; business ethics. Publ: Co-auth, Work measurement manual, U.S. Navy, 54; auth, Collective negotiation in education, Univ. Toledo, 67; co-auth, A bargaining lesson from business, Ohio Sch. Bd. J., 68. Address: College of Business Administration, University of Toledo, Toledo, Ohio 43606.
- RUDEL, PROF. RITA G(ILLIS), b. New York, N.Y., Oct. 5, 21; m. 42; c. 3. PHYSIOLOGICAL PSYCHOLOGY. B.S., Ed. City Col. New York, 46; M.A., New Sch. Soc. Res., 49; Am. Asn. Univ. Women fel., N.Y. Univ., 53, Ph.D. (psychol.), 55. Instr. psychol., City Col. New York, 55-57; asst. res. prof., Bellevue Med. Center, N.Y. Univ., 57-61, res. fel., 55-57, asst. prof., grad.

sch. arts & sci, 60; RES. ASSOC. PSYCHOL, MASS. INST. TECH, 61- Fel. Psychol. Assn. Developmental psychology; normal and brain-damaged children and adults; ontogeny of sensory, motor and perceptual functions. Address: 451 West End Ave, New York, N.Y. 10024.

RUDELIUS, DR. WILLIAM, b. Rockford, Ill, Sept. 2, 31; m. 54; c. 4. MARKETING, ECONOMICS. B.S. Wisconsin, 53; M.B.A. Pennsylvania, 59, Ph.D. (econ), 64. Engr, electro-chem. dept, E.I. du Pont de Nemours & Co, 53; missile & space vehicle dept, Gen. Elec. Co, 56-57, prog. engr, 59-61; from lectr. to asst. prof. mkt. sch. bus. admin, Minnesota, 61-64; sr. economist & dir. econ. res. N. Star Res. & Develop. Inst, 64-66; ASSOC. PROF. MKT, SCH. BUS. ADMIN, MINNESOTA, MINNEAPOLIS, 66- Consult, N. Star Res. & Develop. Inst, 66-; Upper Midwest Res. & Develop. Coun, 66-; NASA, 67- U.S.A.F, 54-55, 1st Lt. Inst. Mgt. Sci; Mkt. Asn; Econ. Asn. Marketing and operations research; defense-aerospace procurement; regional economics and development. Publ: Lagged manpower relations in aerospace development projects, Inst. Elec. & Electronics Eng. Trans. Eng. Mgt, 12/66; Methods of analyzing the impact of program stretchouts, NASA Manned Spacecraft Center, Tex, 67; co-auth, Economic statistics to aid the development of the Upper Great Lakes economic development region, Upper Midwest Res. & Develop. Coun, Minn, 68. Address: 1425 Alpine Pass, Minneapolis, Minn. 55416.

RUDERMAN, PROF. A(RMAND) PETER, b. New York, N.Y., Nov. 19, 23; m. 48; c. 4. ECONOMICS. B.S. Harvard, 43, A.M. 46, Ph.D. 47; Nat. Dairy Coun. res. fel, Chicago, 44, M.B.A. 44. Agr. economist, bur. agr. econ, U.S. Dept. Agr, 43-44; mem. staff, Economist. Inst, 45; asst. cmt. res. soc. sci, Harvard, 45-46; instr. econ, Colgate, 46-47; asst. prof. agr. econ, S.Dak. State Col. Agr, 47-48; bus. admin, Montana, 48-50; mem. statist. div, Int. Labour Off, 50-59; malaria statistician, Pan Am. Health Orgn, 60-61, econ. & reports officer, 62-63, econ. adv, 63-67; PROF. HEALTH ADMIN, SCH. HYG, TORONTO, 67- Assoc. sch. hyg. & pub. health, Hopkins, 63-67; lectr, for. serv. inst, U.S. Dept. State, 65-67. Consult, Ont. Dept. Health, 67- Chmn. res. submt. health aspects of welfare, Can. Welfare Coun, 67- Uhlmann awards. 49. Am. Econ. Asn; Am. Pub. Health Asn; Can. Pub. Health Asn; Royal Econ. Soc. Economic and social aspects of public health; cost, financing and organization of health services; health manpower and education. Publ: Neglected point in price index construction, Appl. Statist, 3/54; The epidemiologist's place in planning economic development, Pub. Health Reports, 7/66; Economic factors and medical education in the developing countries, J. Med. Ed, Part II, 9/66. Address: 26 Carey Rd, Toronto 7, Ont, Can.

RUDKOFF, DR. ESSELYN C, Psychol, see 10th ed, Soc. & Behav. Vols.

RUDIN, DR. STANLEY A(RTHUR), b. Charleston, W.Va, Jan. 16, 29; m. 55; c. 1. PSYCHOLOGY. B.A. West Virginia, 50; Tennessee, 50-51; Ph.D. Illinois, 55. U.S. Off. Naval Res. asst, Illinois, 51-53, res. asst. prof. ed, 56-57; instr. psychol, West Virginia, 55-56; asst. prof, Skidmore Col, 57-58; res. psychologist, personnel lab, Wright Air Develop. Div, U.S. Dept. Air Force, 58-60; asst. prof. psychol, Ga. Inst. Tech, 60-62; Dalhousie, 62-64; staff psychologist, Vet. Admin. Hosp, Lexington, Ky, 64-65; CHIEF RES. PSYCHOLOGIST, BEHAV. RES. LAB, ROLLMAN PSYCHIAT. INST, 65- Adj. assoc. prof, Cincinnati, 65- Summers, lectr, New Brunswick, 61, Manitoba, 62, Harvard, 67. Res. consult, human factors div, Lockheed-Ga. Col, summer, 63. AAAS; Psychol. Asn. Person perception; historical psychology; cross-cultural personality; personality-perception relations; group effectiveness; personality theory; clinical psychology; diagnostic methods and psychotherapy research. Publ: Relationship between rational and irrational authoritarianism & co-auth, Figure ground phenomena in the perception of physical and social stimuli, J. Psychol; auth, Psychology of nations, Discovery, 9/65. Address: Behavioral Research Laboratory, Rollman Psychiatric Institute, Cincinnati, Ohio 45219.

RUDNICK, DR. MARK, b. Chelsea, Mass, Aug. 24, 31; m. 59. CLINICAL PSYCHOLOGY. B.A. California, Los Angeles, 55; M.A. Utah, 56, U.S. Pub. Health Serv. fel, 56-60, Ph.D. 60. Psychol. intern, Topeka State Hosp, Kans, 58-59; U.S. Pub. Health fel. child psychol, childrens serv, Menninger Found, Topeka, 59-61; ASST. PROF. PSYCHOL, MED. CENTER, COLORADO, 61- U.S.A.F, 50-51. Psychol. Asn; Orthopsychiat. Asn. Emotional development of childhood; learning problems in childhood; psychotherapy of children and adults; psychoanalytic theory. Address: University of Colorado Medical Center, 4200 E. Ninth Ave, Denver, Colo. 80220.

RUDNIK, DR. ROBERT, Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

RUDOLPH, HAROLD J(OEL), Econ, see 10th ed, Soc. & Behav. Vols.

RUDOLPH, DR. LLOYD I(RVING), b. Chicago, Ill, Nov. 1, 27; m. 52; c. 1. POLITICS. A.B. Harvard, 48, M.P.A. 50, fel, 51-54, 56, Ph.D.(polit. sci), 56. Asst. to exec. dir. coun. econ. adv, Exec. Off. President, 48-49; admin. asst. to chief, Pac. Br. off. territories, U.S. Dept. Interior, 49; for. area training fel, India, 56-57; instr. govt, Harvard, 57-60; asst. prof. & Allston Burr sr. tutor, Dunster House, 60-64; ASSOC. PROF. POLIT. SCI, CHICAGO, 64- Fulbright res. scholar, India, 62-63; faculty fel, Am. Inst. Indian Studies, India, 66-67. U.S.A. 54-56, 1st Lt. Polit. Sci. Asn; Asn. Asian Studies; Soc. Pub. Admin. Indian politics; political sociology; comparative politics; public administration and bureaucracy. Publ: Co-auth, The modernity of tradition: political development in India, Univ. Chicago, 67; Political role of India's caste associations, Pac. Affairs; Urban life and populist radicalism: Dravidian politics in Madras, J. Asian Studies. Address: Dept. of Political Science, University of Chicago, 1130 E. 59th St, Chicago, Ill. 60637.

RUDOLPH, DR. RICHARD L, Mod. European Econ. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

RUDOLPH, DR. SUSANNE HOEBER, b. Mannheim, Germany, Apr. 3, 30; U.S. citizen; m. 52; c. 3. POLITICS. B.A. Sarah Lawrence Col, 51; Dana fel, Radcliffe Col, 51-53, M.A. 53, Ph.D. 55. Instr. govt, Harvard, 57-60, lectr, 60-64; ASSOC. PROF. POLIT. SCI. & SOC. SCI, COL, CHICAGO, 64- Polit. Sci. Asn; Asn. Asian Studies. Government of India. Publ: Self-

control and political potency: Gandhi's asceticism, Am. Scholar, 65; co-auth, The modernity of tradition: political development in India, Univ. Chicago, 67; auth, Consensus and conflict in Indian politics, World Polit, 4/61. Address: Dept. of Political Science, University of Chicago, Chicago, Ill. 60637.

RUDOLPH, WALTER M, b. Philadelphia, Pa, May 13, 99; m. 25. ECONOMICS. B.S. Pennsylvania, 23; M.A. Southern California, 27; Virginia, 29-30; Stanford, 30-33. Instr. econ, Southern California, 25-29; Virginia, 29-30; Stanford, 30-36; economist, U.S. Dept. Agr, 36-42; Off. Price Admin, 42-44; for. affairs officer, U.S. Dept. State, 44-66; consult, pop. cmt, Nat. Acad. Sci, 67-68. U.S. Dept. State Superior Honor award, 64. Econ. Asn. Concentrations of economic power and technological progress; science and social organization. Publ: International council of scientific unions, Science; Science in foreign relations, For. Serv. J; Science and foreign policy, U.S. Dept. State Bull. Address: 9622 Lawndale Court, Silver Spring, Md. 20901.

RUDOV, DR. MELVIN H, b. Pittsburgh, Pa, Aug. 27, 33; m. 56; c. 3. ENGINEERING & PHYSIOLOGICAL PSYCHOLOGY. B.S. Pittsburgh, 55, M.S. 57; Ph.D.(eng. psychol), Ohio State, 64. Res. psychologist, Aerospace Med. Res. Lab, U.S. Air Force, 58-65; HEAD LIFE SCI. PHYSICS DIV, AERONAUT. LAB, CORNELL, 65- Mem, Ad hoc cmt. reconnaissance-strike, U.S. Air Force Coun. Scientists, 61-62, undersecy, cmt. RS-70, U.S. Air Force, 62; mem. sci. adv. cmt, A/C 190 panel, NATO, 62. Qm.C, U.S.A.R, 55-64, Capt. AAAS; Asn. Aviation Psychol; Human Factors Soc. Human performance in complex military and civilian systems; human information processing; psychophysiological functions; human-computer interrelations; experimental forensic psychology. Publ: Pilot aircraft aiming performance, Aerospace Med. Res. Lab, 64; Project crast: some effects of extra-cranial electrical stimulation, Cornell Aeronaut. Lab, 66; Dimensionality in human information storage, J. Exp. Psychol, 66. Address: Life Sciences Section, Cornell Aeronautical Lab. Inc, Cornell University, P.O. Box 235, Buffalo, N.Y. 14221.

RUDY, DR. NORMAN, b. Chicago, Ill, May 20, 20; m. 41; c. 2. STATISTICS. S.B. Chicago, 42, M.B.A. 47, Ph.D.(statist. bus. admin), 52. From asst. prof. to prof. statist. & eng, Sacramento State Col, 50-55; DIR. RES. ISRAEL INST. PROD, 66- Consult, State Bd. Equalization, Calif, 51-53; State Dept. Corrections, 55-; Crime Study Cmn, 55- U.S.N, 43-46, Lt. Statist. Asn. Industrial engineering and research. Publ: California sales tax sample audit program. Address: Israel Institute of Production, P.O. Box 18007, Tel Aviv, Israel.

RUDZINSKI, DR. ALEXANDER W(ITOLD), b. Cracow, Poland, Mar. 4, 00; nat; m. 30. INTERNATIONAL LAW. LL.D. Jagiellonian, 24; Ph.D. 28. Judge, County Court Cracow & Myslenice, Poland, 28-30; attorney-at-law, Cracow, 30-39; v. consul & chief legal dept, Polish Consulate Gen, N.Y., 45-49; ASSOC. SEM. PROB. PEACE, COLUMBIA, 50-, RES. ASSOC. EAST EUROPEAN LAW, RES. INST. COMMUNIST AFFAIRS, 62-, lectr, univ, 57-58, res. assoc. sch. int. affairs, 58-59. Asst. prof, Jagiellonian, 45; assoc. prof, Lodz, 45; counsr, Polish Del, Un, 46-49; res. assoc, Mid-European Studies Center, Free Europe Cmt, Inc, 50-57; Rockefeller Found. res. grant, 58-59; lect, New Sch. Soc. Res, 61-63. Polit. Sci. Asn; Soc. Int. Law; Philos. Asn; Acad. Polit. Sci. Logic of legal and moral norms; comparative civil and public law; United Nations charter and procedure; international relations. Publ: Logic of legal and moral norms, 47; New Communist civil codes of Czechoslovakia and Poland, Indiana Univ. Law J, fall 65; The duty to rescue, In: The good samaritan, Doubleday, 66. Address: 440 E. 20th St, New York, N.Y. 10009.

RUEBUSH, DR. BRITTON K(ENNETH), b. Deming, N.Mex, Jan. 30, 29; m. 51; c. 1. CHILD PSYCHOLOGY. B.A. Stanford, 56; M.S. Yale, 57, Ph.D. 60. Instr. psychol, Yale, 59-60; asst. prof. child develop. & psychol, Minnesota, Minneapolis, 60-63, assoc. prof, 63-67, head child develop. clin, inst. child develop, 61-67; ASSOC. PROF. CHILD & CLIN. PSYCHOL, DEPT. PSYCHIAT. & PSYCHOL, NEW MEXICO, 67-; DIR, ALBUQUERQUE CHILD GUID. CENTER, 68- U.S.A.F, 50-54, S/Sgt. Psychol. Asn; Orthopsychiat. Asn; Soc. Res. Child Develop. Intellectual and personality development; clinical child psychology; anxiety in children; infant behavior. Publ: Co-auth, Anxiety in elementary school children; auth, Interfering and facilitating effects of test anxiety, J. Abnorm. & Soc. Psychol; Childhood mental disorders, International Encyclopedia of the Social Sciences, Macmillan, 68. Address: Dept. of Psychiatry & Psychology, University of New Mexico, Albuquerque, N.Mex. 87108.

RUEDISILL, DR. C(HESTER) H(ENRY), b. Hartford, Wis, Jan. 26, 10; m. 35; c. 3. PSYCHOLOGY. B.A. Wisconsin, 33, Ph.D.(psychol), 41. Asst. psychol, WISCONSIN, 36-37, asst. to jr. dean, COL. LETTERS & SCI, 37-41, asst. dean 41-46, ASSOC. DEAN, 46- Faculty mem, Japanese Univs. Insts. Student Personnel Serv, 51-52. Psychol. Asn; Nat. Collegiate Honors Coun. Counseling and student personnel services. Address: 203 South Hall, University of Wisconsin, Madison, Wis. 53706.

RUEF, DR. RUTH R, Family Econ, see 10th ed, Soc. & Behav. Vols.

RUEKBERG, DR. BENJAMIN G, Hist, Polit. Sci, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

RUETTEN, DR. RICHARD T, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

RUFFIN, DR. ROY J, JR, b. Amarillo, Tex, Aug. 14, 38; m. 63; c. 2. ECONOMICS. B.B.A. Wichita State, 60; M.S. Arizona State, 64; Ph.D.(econ), Northwestern, 67. ASST. PROF. ECON, WASHINGTON STATE, 65- U.S.A.R, 56-64. Econ. Asn; Finance Asn. International trade; price theory; monetary theory; applied monetary economics. Publ: Free reserves, vault cash, and the portfolio behavior of banks, J. Polit. Econ, 12/67; An econometric model of the impact of open market operations on various bank classes, J. Finance, 9/68. Address: Dept. of Economics, Washington State University, Pullman, Wash. 99163.

- RUGG, DR. DEAN S(PRAGUE), b. New York, N.Y., Jan. 17, 23; m. 51; c. 3. GEOGRAPHY. B.S. Northwestern, 47, M.A., 49; Ph.D.(geog.), Maryland, 62. Map curator, Northwestern, 47-49; cartographer, U.S. Govt., 50-52; geogr., 53-56; instr. geog., Maryland, 56-57; geog. attaché, U.S. Dept. State, Am. Embassy, Bonn, Germany, 57-63; ASSOC. PROF. GEOG. NEBRASKA, 64-Fulbright res. scholar, Vienna, Austria, 67-68. U.S.M.C., 43-46, Capt. Asn. Am. Geog. Urban geography and Europe as a region; history of geographical thought; cartography. Publ: Postwar progress in German cartography, *Cartog. J.*, 12/65; Selected effects of planning on urban development in the Federal Republic of Germany, *Econ. Geog.*, 10/66; Developing the university map library, *J. Geog.*, 3/67. Address: Dept. of Geography, University of Nebraska, Lincoln, Nebr. 68508.
- RUGG, DR. WILLIAM DONALD, b. Rochester, N.Y., Oct. 23, 15; m. 40; c. 2. PSYCHOLOGY. A.B. Cornell Col.(Iowa), 36; M.A. Rochester, 37; Ph.D.(psychol), Princeton, 41. Asst. off. pub. opinion res, Princeton, 40-42; chief statistician, OPINION RES. CORP., 42-44, res. analyst, 44-47, proj. dir., 47-52, res. dir., 52-56, V.PRES. & DIR., 56- Public opinion research in public relations, employee attitudes, community relations, products and marketing; social psychology; analysis of public opinion poll results. Address: Opinion Research Corp., Research Park, Princeton, N.J. 08540.
- RUGGLES, MELVILLE J(EROME), b. Toledo, Ohio, May 8, 15; wid; c. 2. POLITICAL & INFORMATION SCIENCE. A.B. Oberlin Col., 36; Harvard, 37; B.S. Columbia, 39, M.A., 41. Res. assoc. Soviet Russia, Off. Strategic Serv., 42-46; cultural officer, U.S. Embassy, Moscow, U.S.S.R., 46-48; dep. div. chief Soviet Russia, U.S. Dept. State, 48-52; res. assoc. Rand Corp., 52-56; PROG. OFFICER INFO. SCI. COUN. LIBRARY RESOURCES, INC., 56- Dir., E. European Fund, Ford Found., 52; exec. dir. Nat. Adv. Cmn. Libraries, 66-67. Ed. Slavic Series, Johnson Reprint Co., 64- U.S.N.R., 43-46, Lt. Library Asn; Soc. Info. Sci. Russian affairs. Publ: Co-auth, The Soviet Union and the atom: the early years, Rand Corp., 56, Russian and East European publications in the libraries of the United States, Columbia, 60 & Soviet libraries and librarianship, Am. Library Asn., 62. Address: 3355 Quesada St, N.W., Washington, D.C. 20015.
- RUGGLES, DR. NANCY D(UNLAP), b. Providence, R.I., June 29, 22; m. 46; c. 3. ECONOMICS. A.B. Brown, 43; Ph.D. Radcliffe Col., 48. Econ. analyst, world econ. surv. UN, 56-59; RES. ASSOC. econ. develop., Yale, 60-66; ECON. NAT. BUR. ECON. RES., 66- Am. Econ. Asn; Statist. Asn; Economet. Soc.(treas., 55-); Int. Asn. Res. Income & Wealth (secy., 62-); Royal Econ. Soc. National economic accounting; economic development. Publ: Co-auth, National income accounting and income analysis. Address: Box 2020, Yale Station, New Haven, Conn. 06520.
- RUGGLES, PROF. RICHARD, b. Columbus, Ohio, June 15, 16. ECONOMICS. A.B. Harvard, 39, A.M., 41, Ph.D., 42. Assoc. prof. ECON., YALE, 49-54, PROF., 54- Economic theory; quantitative methods; national income and income and income analysis. Address: Dept. of Economics, Yale University, New Haven, Conn. 06520.
- RUGGLES, PROF. RICHARD IRWIN, b. Toronto, Ont., June 27, 23; m. 54; c. 2. GEOGRAPHY. B.A. Toronto, 45; M.A. Syracuse, 47, Soc. Sci. Res. Coun. fel., 50; Ph.D.(geog.), London Sch. Econ., 58. Lectr. geog., McMaster, 47-50; geog. & Slavonic studies, British Columbia, 53-57, asst. prof., 57-60; assoc. prof. GEOG. QUEEN'S (ONT), 60-62, PROF., 62- HEAD DEPT., 60- Fel. Royal Geog. Soc; Can. Asn. Geog.(ed. Newsletter, 65-); Asn. Am. Geog. Historical geography and historical cartography of Canada; cartographic design; Soviet geography; urban geography and planning. Publ: Co-auth, The Pacific basin: a history of its geographical exploration, Am. Geog. Soc., 67. Address: Dept. of Geography, Queen's University, Kingston, Ont., Can.
- RUGGLES, ROBERT THOMAS, b. Waterloo, Iowa, Oct. 11, 31; m. 58; c. 2. ECONOMICS, STATISTICS. B.S., N.Y. Univ., 54, M.B.A., 56. Statistician & asst. res. economist, Savings Banks Trust Co., 57-59; chief statistician Coty, Inc., 59-62; economist, Int. Minerals & Chem. Corp., 62-64; Anthes Imp. Ltd., 64-66; MGR. CORP. PLANNING, IMP. TOBACCO CO. CAN. LTD., 66- U.S.N., 51-54, Res., 55-66, Ens. AAAS; Statist. Asn; Econ. Asn; Finance Asn; Nat. Asn. Bus. Econ. Address: Imperial Tobacco Co. of Canada Ltd, 3810 St. Antoine St, Montreal, Que., Can.
- RUGH, PROF. A(RTHUR) DOUGLAS, b. Shanghai, China, Jan. 14, 07; m. 34; c. 3. PSYCHOLOGY. B.A. Oberlin Col., 29; M.A. Columbia, 30; Ph.D.(comp. ed.), Washington (Seattle), 40. Instr. soc. sci. & Eng. American Univ. Beirut, 31-34; lectr., Yenching Univ., China, 34-36; asst. prof., Col. of Puget Sound, 37-39; lectr., Far East studies, Washington (Seattle), 40-41; dir. house plan, City Col., 41-42; field dir., Am. Nat. Red Cross, U.S. & China, 42-46; PROF. ED. & PSYCHOL. CENT. CONN. STATE COL., 46- Teacher training adv., UNESCO, 55-56; counsellor, Am. Univ. Beirut, 63-65. Psychol. Asn. Comparative education; Near and Far East; attitude studies; intercultural relations; teacher training methods and curricula. Publ: Education in Arab countries of the Near East; Education in Turkey; ed. Voice of Daniel Bliss. Address: 25 Clarkridge Rd, Wethersfield, Conn. 06109.
- RUGINA, PROF. ANGHEL, b. Tecuci, Rumania, May 24, 13; nat. ECONOMICIS. B.A. Galatz, Rumania, 32; M.B. Bucharest, Rumania, 36, Ph.D., 42; Ph.D. Freiburg, 48. Researcher, Inst. Bus. Cycle, Berlin, 42-43; Freiburger Univ., 44-48; consult, Int. Refugees Orgn., Germany, 48-50; PROF. econ. & for. langs., Portland, 50-52; ECON. Niagara, 53-59; NORTHEASTERN, 59-; CHMN. BD. ECON. ADVS. GOV. MASS., 65- Am. Econ. Asn; Finance Asn; Economet. Soc; Royal Econ. Soc; Can. Polit. Sci. Asn. Methodology of social sciences; money and banking. Publ: Fundamentals for a general theory on money, banking and business; Social-liberalism, the integral democracy of tomorrow; Programme de stabilisation économique, financière et sociale pour la France. Address: 145 Moss Hill Rd, Jamaica Plain, Mass. 02130.
- RUHL, DR. DONNA BROGAN, b. Baltimore, Md., Aug. 15, 39; m. 61; c. 1. BIostatistics. B.A. Gettysburg Col., 60; M.S. Purdue, 62; Nat. Insts. Health fel., Iowa State, 63-67, Ph.D.(statist.), 67. Instr. statist., Iowa, 66; ASST. PROF. BIostatist. SCH. PUB. HEALTH, NORTH CAROLINA, 66- CHAPEL HILL, 67- Statist. Asn; Pub. Health Asn. Mental health statistics; program evaluation in mental health. Publ: Co-auth, Effects of auditory and visual pretraining on performance in a tactile discrimination task, *Perceptual & Motor Skills*, 65 & Simplified computation of confidence intervals for relative potencies using Fieller's theorem, *J. Pharmaceut. Sci.*, 4/66. Address: Dept. of Biostatistics, University of North Carolina School of Public Health, Chapel Hill, N.C. 27514.
- RUHL, DR. GARRETT E(DWIN), Econ, see 10th ed, Soc. & Behav. Vols.
- RUIZ, DR. LEOPOLDO T, b. Banga, Philippines, Nov. 15, 94; U.S. citizen; m. 28; c. 3. SOCIOLOGY, ANTHROPOLOGY. A.B. California, Berkeley, 20; M.A. Columbia, 24; Yale, 24-25; Ph.D.(sociol), Southern California, 42; LL.D. Bradley, 52; Litt.D. Cent. Philippines Univ., 54. Lectr. sociol., Philippines, 32-36; Cent. Philippines Univ., 36-40. U.S. Dept. Agr. Grad. Sch., 42-48; Philippine consul gen., New York & Chicago, 48-53; pres, Silliman, Philippines 53-61; vis. prof. SOCIOL. & ANTHROP., Texas Christian, 62-63; Southwestern at Memphis, 63-64; Cumberland Col., 66-67; LECTR., BAKERSFIELD CENTER, FRESNO STATE COL., 67- Sr. socio-econ. analyst, For. Econ. Admin., D.C., 42-44; mem., Tech. Cmt. to President of Philippines, 44-48. Fel. Sociol. Asn; Anthropol. Asn. The family, minority relations; cultural anthropology; peoples of Southeast Asia. Address: 1400 Yorba Linda, Kern City, Calif. 93309.
- RUIZ, DR. RENE A(RTHUR), b. Los Angeles, Calif., May 2, 29; m. 55; c. 3. CLINICAL PSYCHOLOGY. A.B. Southern California, 54; Ph.D. Nebraska, 63. Asst. prof. psychiat., sch. med., Kansas, 62-67; ASSOC. PROF. PSYCHOL., ARIZONA, 67- Psychol. res. consult., Marion Labs, Inc., Mo., 67; psychol. consult., South. Ariz. Ment. Health Center, 67; consult. psychol., Vet. Admin., Ariz., 68. U.S.A., 46-47. AAAS; Psychol. Asn. Development of personality; behavior deviation; assessment of education programs; psychological aspects of time perception. Publ: Co-auth, Infant feeding method and adolescent personality, Am. J. Psychiat., 65, Anxiety, temporal perspective and item content of the Incomplete Thoughts Test (ITT), *J. Clin. Psychol.*, 68 & Group psychotherapy: a preliminary teaching model, *J. Med. Ed.* (in press). Address: Dept. of Psychology, University of Arizona, Tucson, Ariz. 85721.
- RUJA, DR. DAVID H, b. St. Paul, Minn., Oct. 2, 18; m. 41, 55; c. 4. CLINICAL PSYCHOLOGY. A.B. California, Los Angeles, 40; Ph.D.(psychol), Southern California, 53. Trainee clin. psychol., Vet. Admin., 46-49; sr. clin. psychologist, State Ment. Hyg. Clin., Los Angeles, Calif., 49-53, 57-59, chief clin. psychologist, 53-57; PRACTICING CLIN. PSYCHOLOGIST, 53-; ASSOC. PROF. PSYCHOL., SAN FERNANDO VALLEY STATE COL., 61- Lectr., Los Angeles City Schs., 49-59; assoc. Edward Glaser & Assocs., 62-; Human Interaction Res. Inst., Los Angeles, 63- U.S.A.A.F., 43-45, Lt. Psychol. Asn; Soc. Proj. Tech. & Personality Assessment. Forensic psychology; group psychotherapy. Publ: Mental hygiene in adult education, Sch. & Soc; Personality changes following prefrontal lobotomy in twenty-five schizophrenic patients, Am. Psychologist; Education for mental health, Adult Ed. Address: 435 N. Roxbury Dr, Beverly Hills, Calif. 90210.
- RUJA, PROF. HARRY, b. Paterson, N.J., Feb. 26, 12; m. 40; c. 3. PHILOSOPHY. A.B. California, Los Angeles, 33; A.M. Chicago, 34; Ph.D., Princeton, 36; M.A. San Diego State Col., 53. Asst. philos., California, Los Angeles, 37-37, instr., 38, vis. asst. prof., 46-47; philos. & psychol., Compton Jr. Col., 39-47; asst. prof., SAN DIEGO STATE COL., 47-53, assoc. prof., 53-57, PROF., 57-58, PHILOS., 58-; chmn. dept., 59-62. Lectr., Southern California, 46-47; vis. prof., Pa. State, 64-65; summer vis. prof., Minnesota, 59, C.W. Post Col., Long Island, 65. Abstr. Psychol. Abstracts. Philos. Asn. Bertrand Russell; contemporary philosophy; value theory. Publ: Psychology for life; ed. asst., Principles of empirical realism, C.C. Thomas, 66. Address: Dept. of Philosophy, San Diego State College, San Diego, Calif. 92115.
- RULE, DR. BRENDAN GAIL, b. Brooklyn, N.Y., Nov. 28, 37; m. 62; c. 1. PSYCHOLOGY. B.A. California, Riverside, 59; M.A. California, Santa Barbara, 61; Ph.D.(psychol), Washington (Seattle), 62. Lectr. PSYCHOL., ALBERTA, 62-64, asst. prof., 64-68, ASSOC. PROF., 68- Res. grants, Nat. Inst. Ment. Health, 64-65, Nat. Res. Coun., 65-70, Can. Coun., 67-68. Psychol. Asn. Motivation and social behavior; decision making; aggression; conformity. Publ: Anti-semitism, stress and judgment of strangers, 66 & co-auth, Anti-semitism, stress and interpersonal judgments, 67, *J. Personality & Soc. Psychol.*; co-auth, Anxiety, confidence & conformity, *J. Personality*, 67. Address: Dept. of Psychology, University of Alberta, Edmonton, Alta., Can.
- RULE, DR. EVELYN T(ARWATER), Psychol, see 10th ed, Soc. & Behav. Vols.
- RULE, DR. STANLEY JAY, b. Long Beach, Calif., Sept. 23, 36; m. 61; c. 1. PSYCHOLOGY. B.A. Redlands, 58; M.S. Washington (Seattle), 61, Ph.D. (psychol), 62. Assoc. res. analyst, acoustic res. & develop. group, Boeing Co., Wash., 61-62; asst. prof. PSYCHOL., ALBERTA, 62-67, ASSOC. PROF., 67- Nat. Res. Coun. Can. grants, 63-64 & 65-71. Psychol. Asn. Problems and methods of psychophysical research, especially psychophysical scaling; experimental design, especially problems and logic of multiple comparisons in analysis of variance. Publ: Auth, Effect of instructional set on responses to complex sounds, 64 & co-auth, Effect of a composite instructional set on responses to complex sounds, 66, *J. Exp. Psychol.*; auth, An equal discriminability scale of number, *J. Exp. Psychol.*, 69. Address: Dept. of Psychology, University of Alberta, Edmonton, Alta., Can.
- RULON, PROF. P(HILLIP) J(USTIN), b. Keokuk, Iowa, Mar. 11, 00; m. 27; c. 2. EDUCATIONAL PSYCHOLOGY. A.B. Stanford, 26, M.A., 28; Ph.D.(ed. psychol), Minnesota, 32; hon. A.M. Harvard, 42. Teacher, Peninsula Sch. Calif., 25-28; instr. ed. psychol., Minnesota, 28-30; instr. ED. GRAD. SCH. ED. HARVARD, 30-34, asst. prof., 34-40, assoc. prof., 40-44, acting dean, 43-48, prof., 44-65, EMER. PROF., 65- Instr. Radcliffe Col., 32-33; secy. & treas., Ed. Res. Corp., 38-53, pres., 53-; tech. adv. grad. record exam, Carnegie Found., 39; secy., Psychomet. Corp., 40-46; res. assoc., U.S. Navy Res. Proj., Tufts Col., 42-46; mem. human resources res. adv. bd., Air Training Command, U.S. Dept. Air Force, 49-58, chmn., 52-54; mem. psychol. & soc.

- sci. adv. panel & study group guided missiles training, U.S. Dept. Defense, 58-59. Consult, U.S. Secy. War, 40-45. Fel. AAAS; Psychol. Asn; Psychomet. Soc. (pres, 48-49); fel. Statist. Asn; Inst. Math. Statist; Math. Soc; Biomet. Soc. Mathematical statistics; psychometrics; high speed computers. Publ: Sound motion picture in science teaching; co-auth, Earth and its life & Experimental comparison of two shorthand systems. Address: 10 Craigie St, Cambridge, Mass. 02138.
- RUMAGE, PROF. KENNARD W (ALTER), b. Staten Island, N.Y., May 8, 23; m. 47. GEOGRAPHY. B.A. Pa. State, 47, M.S. 49; California, Los Angeles, Asst. phys. geog. & econ. geog., California, Los Angeles, 50-53; from instr. to ASSOC. PROF. GEOG. IOWA, 54- U.S.A., 43-45. AAAS; Asn. Am. Geog; Geog. Soc. Political geography; geography of Asia; arid regions of Southwest United States. Publ: Some aspects of a drainage problem in an irrigated area, Ann. Asn. Am. Geogrs. Address: Dept. of Geography, State University of Iowa, Iowa City, Iowa 52240.
- RUMBAUGH, PROF. DUANE M (ARWIN), b. Maynard, Iowa, July 4, 29; m. 60; c. 1. EXPERIMENTAL PSYCHOLOGY. A.B. Dubuque, 50; M.A. Kent State, 51; Ph.D., Colorado, 55. Instr. PSYCHOL., SAN DIEGO STATE COL., 54-56, asst. prof, 56-59, assoc. prof, 59-63, PROF. 63- AAAS; Psychol. Asn. Comparative psychology; motivation; learning theory. Address: 1861 El Pico Dr, El Cajon, Calif. 92020.
- RUMFORD, PROF. HERBERT PAUL, b. Newark, N.J., May 1, 15; m. 41; c. 3. EDUCATIONAL PSYCHOLOGY. A.B. East Baptist Theol. Sem, Pa, 42, Th.B., 42; M.A. Minnesota, 54; fel. Colorado, 59, Ed.D. (Ed. psychol.), 60. Guid. dir., Pillsbury Acad., Minn., 49-54; asst. prof. PSYCHOL., KANS. STATE COL. PITTSBURG, 55-60; assoc. prof, 60-62, PROF., 62- Summer instr., Colorado, 59. Psychotherapeutic aspect of religious experience. Publ: Experiment in teaching elementary school methods via closed circuit television, J. Ed. Res; Pittsburg experiments with methods by television, Kans. Teacher. Address: Dept. of Psychology & Counselor Education, Kansas State College of Pittsburg, Pittsburg, Kans. 66762.
- RUMMEL, PROF. PAUL Z (IMMERMAN), b. Holsopple, Pa., Aug. 4, 97; m. 32; c. 2. EDUCATIONAL PSYCHOLOGY. A.B. Juniata Col., 25; A.M., Pittsburgh, 31; Ed.M., Harvard, 35, Harvard-Newton fel., 36-38; Ph.D., Boston, 40. Dir. visual ed. pub. schs., Mass., 36-38; dean, York Jr. Col., 40-48; PROF. PSYCHOL. & ED. & DR. PSYCHO-ED. CLIN., MILLERSVILLE STATE COL., 48- PSYCHOL. consult, State Hosp. Crippled Children, Elizabethtown, 60- Audio visual aids in teaching. Address: 20 Ridgewood Rd, Lancaster, Pa. 17603.
- RUMMEL, DR. RUDOLPH JOSEPH, b. Cleveland, Ohio, Oct. 21, 32; m. 61; c. 2. POLITICAL SCIENCE. B.A. Hawaii, 59, M.A. 61; fel. Northwestern, 61, Ph.D. (polit. sci.), 63. Asst. prof. POLIT. SCI., Indiana, 63-64; Yale, 64-66; vis. asst. prof, HAWAII, 66-67, assoc. prof, 67-68, PROF., 68- Nat. Sci. Found. res. grant, 63-; Adv. Res. Projs. Agency res. grant, 67-69. U.S.A., 51-54. Theoretical international relations especially international conflict. Publ: Applied factor analysis, Northwestern, 68; Dimensions of conflict behavior within and between nations, 63 & A field theory of social action with application to conflict within nations, 65, Gen. Sys. Yearbook. Address: Dept. of Political Science, University of Hawaii, Honolulu, Hawaii 96822.
- RUMNEY, DR. GEORGE R (ICHARD), b. Buffalo, N.Y., Dec. 9, 14; m. 43; c. 3. GEOGRAPHY. B.A. Michigan, 39, Ph.D. (geog.), 47. ASST. PROF. GEOG., Fla. State, 47-48; CONNECTICUT, 48- Fulbright award, Iran, 52-53; Univ. Res. Found. summer grant, Russia, 57. U.S.N., 42-46. Asn. Am. Geog; fel. Am. Geog. Soc; Meteorol. Soc; Soc. Limnol. & Oceanog; Nat. Coun. Geog. Ed; fel. Royal Can. Geog. Soc. Historical geography; coastal climatology; estuarine oceanography. Publ: Climatology and the world's climates, Macmillan, 68; Settlements on the Canadian shield, Trans. Royal Can. Inst; Shallow water temperature profile recording system J. du Conseil. Address: Dept. of Geography, University of Connecticut, Storrs, Conn. 06268.
- RUNCIMAN, DR. ALEXANDER P (IPER), b. Santa Cruz, Calif., May 30, 24. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A. Southern California, 49, M.A., 51, Ph.D. 59. Lectr. sociol., Southern California, 59-60; Washington (St. Louis), 61-63, dir. spec. projs., 62-64; marriage & family clin., Thomas More Clin., Calif., 65-68; RES. ASSOC., REPRODUCTIVE BIOL. RES. FOUND., 68- TV producer, Columbia Broadcasting Syst., 53-62; assoc. prof., San Fernando Valley State Col., 67-68. U.S.A., 43-46, 1st Lt. Fel. Sociol. Asn; Acad. Psychother; Asn. Marriage Counsr. Mass communications; social class breakdown of television viewers program preferences; marriage and family; social psychological factors of human sexual response; psychological differences between sexes. Publ: Stratification study of television programs, Sociol. & Social Res. Address: Reproductive Biology Research Foundation, Central Medical Bldg, 4910 Forest Park Blvd, St. Louis, Mo. 63108.
- RUNDELL, DR. RICHARD W (ALKER), b. Platteville, Wis., Aug. 31, 24; m. 50; c. 1. AGRICULTURAL ECONOMICS. B.A. Wisconsin, 51; M.A. Minnesota, 60; Nat. Sci. Found. summer fel., Pa. State, 63; Ph.D. (agr. econ), Mich. State, 67. ASST. PROF. animal husb., Miner Inst., N.Y., 60-64; AGR. ECON., TENNESSEE TECH., 67- Dairy Sci. Asn; Agr. Econ. Asn. Dairy farm management. Address: School of Agriculture, Tennessee Technological University, Cookeville, Tenn. 38501.
- RUNDQUIST, DR. E (DWARD) A (LFRED), b. Crookston, Minn., Feb. 8, 06; m. 30; c. 1. PSYCHOLOGY. A.B. Minnesota, 28, Ph.D. (psychol.), 32. Psychologist, Minneapolis Child Guid. Clin., 30-33, 34-35; res. instr., inst. child welfare, Minnesota, 29-30; res. fel., 33-34; asst. dir., psychol. lab., pub. schs., Cincinnati, Ohio, 35-42; asst. dir. personnel res., Owens-Ill. Glass Co., 46-49, res. mgr., personnel res. br., Adj. Gen. Off., U.S. Dept. Army, 49-53; U.S. Govt., 53-59; sr. scientist, Syst. Develop. Corp., 59-63; DEPT. HEAD TRAINING RES., U.S. NAVAL PERSONNEL RES. ACTIVITY, 63- James McKeen Cattell fel., California, Berkeley, 68. U.S.A., 42-46. Fel. Psychol. Asn. Selection and placement; personnel evaluation; individual and system training and training research. Publ: Co-auth, Personality in the depression; auth, Officer efficiency reporting; Personality tests and prediction. Address: U.S. Naval Personnel Research Activity, San Diego, Calif. 92152.
- RUNDQUIST, PROF. RICHARD M (ARSHALL), b. Joliet, Ill., Jan. 8, 22; m. 48; c. 3. EDUCATIONAL PSYCHOLOGY, GUIDANCE. A.B. Missouri, 47, B.S. Ed. & M. Ed., 49, Ed.D. (counseling), 52. Teacher & counsr., Stephens Col., 51-53; asst. prof. ed. & counsr., KANSAS, 53-57, assoc. prof. ed., 57-61, PROF. ED. & COUNSR., 61- U.S.A., 43-46, 1st Lt. Psychol. Asn; Personnel & Guid. Asn; Nat. Ed. Res. Asn. Counseling process; occupational information. Publ: Co-auth, Bibliography of current occupational materials; Use of occupation information, Univ. Kans. Bull. Ed; Tape recorded interviews vitalize occupational information, Voc. Guid. Quart. Address: Guidance Center, University of Kansas, Lawrence, Kans. 66044.
- RUNKEL, PROF. JOSEPH EDWIN, Psychol., see 10th ed, Soc. & Behav. Vols.
- RUNKEL, PROF. PHILIP J (ULIAN), b. La Crosse, Wis., June 25, 17; m. 43. SOCIAL PSYCHOLOGY. Fel. Michigan, 55, Ph.D. (soc. psychol.), 56. Res. asst. prof., bur. ed. res., Illinois, 55-57, assoc. dir., off. ed. testing, 57-63, assoc. prof., bur. ed. res., 58-64; PROF. PSYCHOL. & RES. ASSOC., CENTER ADV. STUDY ED. ADMIN., OREGON, 64- U.S.A., 44-46. Fel. Psychol. Asn. Small group interaction; communication. Publ: Cognitive similarity in facilitating communication, Sociometry; Replicated tests of the attraction-communication hypothesis in a setting of technical information flow, Am. Sociol. Rev.; co-auth, The two-valued orientation of current equilibrium theory, Behav. Sci., 1/68. Address: Dept. of Psychology, Center for Advanced Study of Educational Administration, University of Oregon, Eugene, Ore. 97403.
- RUNKLE, PROF. JERRY C (HLOYD), b. Pisgah, Iowa, Sept. 27, 15; m. 38; c. 2. BUSINESS ECONOMICS. B.S., Iowa State Teachers Col., 38; M.A., Iowa, 42; California, 48-50; Ford Found. fel., Minnesota, 58; Gen. Elec. Found. summer felds, Virginia, 64 & California, Los Angeles, 67. PROF. ECON., GRACELAND COL., 42- Econ. Asn; Agr. Econ. Asn; Am. Acct. Asn. Economic theory, especially agricultural economics; changing market structures in primary agricultural markets. Publ: Co-auth, Principles of economics, Principles of accounting & College business law. Address: Dept. of Economics, Graceland College, Lamoni, Iowa 50140.
- RUNNER, DR. KENYON R (IDGWAY), b. Rapid City, S. Dak., June 24, 16; m. 39; c. 3. PSYCHOMETRICS. B.A. Iowa, 38, M.A. 39; Ph.D., Denver, 59. Instr. ed. psychol., Ohio State, 40-41; sales & mgt., Equitable Life Assurance Soc., 46-51; GEN. MGR., RUNNER ASSOCS., 51- Vis. prof., Temple, 67- U.S.A., 41-46, Col. Psychol. Asn. Consulting psychology; development of questionnaires designed to produce predictions of human behavior based on a pattern of scores. Publ: Some common patterns, Adult Leadership. Address: Dept. of Educational Psychology, Temple University, Philadelphia, Pa. 19122.
- RUNO, PROF. ROBERT, b. Calumet, Mich., Aug. 2, 07. POLITICAL SCIENCE. A.B., Williams Col., 31; A.M., Michigan, 34; Chicago, 38-40. Instr., Community Col., Detroit, 35-37, supvr., 37-38; instr. polit. sci., DePaul, 39-40; Ind. State Teachers Col., Terre Haute, 41-42; econ. analyst, Off. Price Admin., Wash. D.C., 42-43; from asst. prof. to ASSOC. PROF. POLIT. SCI., ROOSEVELT, 46- U.S.N., 43-45. Polit. Sci. Asn. American government and politics; political parties; constitutional law. Address: Dept. of Political Science, Roosevelt University, Chicago, Ill. 60605.
- RUNQUIST, DR. WILLARD N (ELSON), b. Los Angeles, Calif., Nov. 9, 30; m. 58. EXPERIMENTAL PSYCHOLOGY. A.B. Redlands, 52; M.A. Northwestern, 54, Nat. Sci. Found. fel., 54-56, Ph.D., 56. Lectr. PSYCHOL., Northwestern, 55-56; res. assoc., Iowa, 56-58; asst. prof., Hobart & William Smith Colls., 58-59; Pomona Col., 59-62; assoc. prof., ALBERTA, 62-67, PROF., 67- Vis. assoc. prof., California, Berkeley, 66-67; summers, lectr., Northwestern, 58, Nat. Sci. Found. res. fel., Indiana, 61. Assoc. cmt. exp. psychol., Nat. Res. Coun. Can., 67-70. Psychol. Asn; Psychonomic Asn. Paired associate learning; classical conditioning. Publ: Verbal behavior, In: Experimental methods and instrumentation in psychology, 66; Order of presentation and number of items as factors in paired associate verbal learning, 65 & Intralist interference as a function of list length and interstimulus similarity, 66, J. Verbal Learning & Verbal Behav. Address: Dept. of Psychology, University of Alberta, Edmonton, Alta., Can.
- RUNYON, DR. HERBERT R, b. Detroit, Mich., Apr. 8, 23; m. 65. ECONOMIC. B.A., Wayne State, 49, M.A., 51; Ph.D. (econ), Michigan, 60. ECONOMICIST, FED. RESERVE BANK SAN FRANCISCO, 56- U.S.N., 45. Econ. Asn. Monetary and fiscal policy; management of the public debt; financial markets; commercial banking. Address: Research Dept., Federal Reserve Bank of San Francisco, 400 Sansome St, San Francisco, Calif. 94120.
- RUNYON, PROF. RICHARD P (ORTER), b. New York, N.Y., June 1, 25; m. 47; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A., Drew, 50; M.S., Yale, 52; Sheffield Sci. Sch. fel., 53-54, Ph.D., 54. Res. assoc., George Washington, 53-54; chief res. psychologist, U.S. Army Pictorial Center, N.Y., 54-56; asst. prof. PSYCHOL., C.W. POST COL., LONG ISLAND, 56-61, PROF., 61- U.S.A., 43-46. Psychol. Asn. Publ: Co-auth, Fundamentals of behavioral statistics, Addison-Wesley, 67; Use of the A statistic as a substitute for t in the One-sample case, Psychol. Report, 68. Address: R.F.D., Split Rock Rd, Syosset, N.Y. 11791.
- RUOCCO, DR. JOSEPH N (EIL), b. New York, N.Y., Nov. 1, 29; m. 54; c. 7. PSYCHOLOGY. B.S., Fordham, 51, M.A., 53, Ph.D., 62. Asst., Fordham, 52-53; assoc. scientist eng. psychol., col. eng. res. div., N.Y. Univ., 55-56, res. scientist prof. dir., 55-58; HEAD BEHAV. DYNAMICS, GRUMMAN AIRCRAFT ENG. CORP., 58- Asst., Fordham, 55-56. Consult. psychologist, Oakley Assocs., N.J., 55-56. U.S.A., 53-54. AAAS; Psychol. Asn. Human factors relevant to efficiency of man machine systems, especially air defense systems; effects of atmospheric ionization on human performance; sensory interrelationships in perceptual processes; experimental design. Publ: Lighting radar operations rooms: an evaluation of three techniques; Effect of ionized air on human reaction time. Address: Grumman Aircraft Engineering Corp., Bethpage, N.Y. 11743.
- RUPE, DR. J (ESSE) C, b. Bethany, Mo., Jan. 5, 08; m. 50; c. 2. INDUSTRIAL PSYCHOLOGY. B.A., Doane Col., 29; M.S., Purdue, 46, Ph.D. (indust. psy-

- chol), 50. Instr. psychol, Carnegie Inst. Tech, 46-48; Purdue, 48-50; proj. dir. & chief job anal. br, human resources res. center, Chanute Air Force Base, 50-54; dir. aircrew res. field unit, Air Force Personnel & Training Res. Center, MacDill Air Force Base, 54-55; res. psychologist, Lackland Air Force Base, Tex, 55-57; spec. progs. adminstr. missiles & space div, Lockheed Aircraft Corp, 57-59; sr. scientist & exec. officer, HumRRO, U.S. Army Air Defense Human Res. Unit, Ft. Bliss, 59-63, tech. adv. to dir, HumRRO, 63-64; sr. tech. specialist, Data Mgt. Sys. Wash. Off. Autometrics Div, N.Am. Rockwell Corp, 64-68; SR. PROJ. DIR, U.S. ARMY BEHAV. SCI. RES. LAB, 68- U.S.A.A.F, 43-45. AAAS; fel. Psychol. Asn; Human Factors Soc. Job and personnel qualifications analysis; proficiency measurement. Publ: Research into basic methods and techniques of Air Force job analysis, Air Force Personnel & Training Res. Center, Vols. I-IV, 52, 55, 56; co-auth, A handbook for programmers of automated instruction, U.S. Army Air Defense Human Res. Unit, 63; auth, The prediction of training requirements for future weapons systems, HumRRO Tech. Report 83, 63. Address: 2104 Shenandoah Rd, Alexandria, Va. 22308.
- RUPPE, PROF. REYNOLD J(OSEPH), b. Hellertown, Pa, Oct. 15, 17; m. 44; c. 1. ARCHAEOLOGY, ETHNOLOGY. B.A. New Mexico, 49; Wenner-Gren fel, Harvard, 52, Ph.D.(anthrop), 53. Asst. prof. ANTHROP, Iowa, 53-59, assoc. prof, 59-60; ARIZONA STATE, 60-62, PROF, 62-. CHMN. DEPT, 60-Mem. Cmt. Recovery Archaeol. Remains, D.C. U.S.A., 56-60. Fel. Anthropol. Asn; Soc. Am. Archaeol; Archaeol. Inst. Archaeology and ethnology of North America; archaeological theory and method. Publ: Acoma archaeology, El Palacio; Iowa Archaeology, J. Iowa Archaeol. Soc; The archaeological survey: a defense, Am. Antiq, 1/66. Address: Dept. of Anthropology, Arizona State University, Tempe, Ariz. 85281.
- RUPPENTHAL, DR. KARL M, b. Russell, Kans, Oct. 5, 17; m. 42; c. 3. TRANSPORTATION ECONOMICS & MANAGEMENT. A.B. Kansas, 39, LL.B. 41, Washington (Seattle), 40; M.B.A. California, Berkeley, 50; Ph.D. Stanford, 59. LECTR. TRANSPORTATION & MGT. & DIR. TRANSPORTATION MGT. PROG, STANFORD, 58- Brit. For. Off. fel, Wilton House, 61. Econ. Asn; Indust. Rels. Res. Asn; Judicature Soc. Transportation Res. Forum. Transportation policy; management development; industrial relations; labor economics; law. Publ: Revolution in transportation; Issues in transportation economics; The air line dispatcher in North America. Address: 1711 Guinda St, Palo Alto, Calif. 94303.
- RUPRECHT, DR. THEODORE KILLIAN, b. New York, N.Y., Aug. 1, 28; m. 55; c. 3. ECONOMICS. A.B. Occidental Col, 51; Ph.D. California, 61. Instr. ECON, Occidental Col, 56-58; asst. prof, HUMBOLDT STATE COL, 58-66, ASSOC. PROF, 66- Ford Found. res. fel, 62. Econ. Asn. Economic development; demography. Publ: Note on the use of the box diagram in international trade theory, Am. Econ. Rev; Cost of child mortality in developed and underdeveloped countries, Proc. West. Econ. Asn; Comment on John Buttricks note on growth theory, Econ. Develop. & Cultural Change. Address: Dept. of Economics, Humboldt State College, Arcata, Calif. 95521.
- RUSALEM, DR. HERBERT, b. New York, N.Y., Dec. 4, 18; m. 44. EDUCATIONAL PSYCHOLOGY. B.A. Long Island, 48; M.A. Columbia, 49, Hoadley scholar & President's scholar, 49-50, Ed.D.(counseling psychol, spec. ed), 51. Asst. exec. dir, Fedn. Handicapped, 51-54; DIR. RES. INDUST. HOME FOR BLIND, 55-; ASSOC. PROF. ED, HUNTER COL, 63-, asst. prof, 56-63. Lectr, Columbia, 49-, vis. assoc. prof, Teachers Col, 63-; adj. assoc. prof, Long Island, 52-63. Rehab. adv, Jewish Chronic Disease Hosp, 54-; res. consult, Fedn. Employ. & Guid. Serv, 59-; Fedn. Handicapped, 62-; Mt. Carmel Guild, Archdiocese Newark, N.J., 63-; col. physicians & surgeons, Columbia, 64-; Nat. Hemophilia Found, 66-; United Cerebral Palsy of Queens, 67-; N.Y. State Div. Voc. Rehab, 68- Rev. of res. ed, New Outlook for the Blind, 58-62. Psychol. Asn; Personnel & Guid. Asn; Rehab. Asn; Nat. Asn. Soc. Workers; Acad. Cert. Soc. Workers. Vocational and social adjustment of the aged; the narcotics addict, blind and deaf-blind, homebound, disadvantaged, mentally retarded and emotionally disturbed; disengagement; cognition; sensory deprivation. Publ: Auditory rehabilitation for hearing-impaired blind persons, Am. Speech & Hearing Asn, 65; New frontiers for research on deaf-blindness, Indust. Home for Blind, 66; The vocational adjustment of the older disabled worker, Fedn. Employ. & Guid. Serv, 68. Address: 142 E. 16th St, New York, N.Y. 10003.
- RUSCH, PROF. REUBEN R(OBERT), b. Reedsville, Wis, Feb. 27, 29; m. 51; c. 2. PSYCHOLOGY. B.A. N. Cent. Col.(Ill), 51; M.A. Mich. State, 54, fel, 55-56, Ph.D. 56. Teacher, pub. sch, Ill, 51-52, prin, 52-53; asst, Mich. State, 53-55; assoc. prof. ed, N.Y. State Univ. Col. Oneonta, 56-58, prof, 58-64, coordinator psychol, ed. psychol. & guid, 62-64, PROF. ED. PSYCHOL, STATE UNIV. N.Y. ALBANY, 64- Consult, Albany & Catskill Pub. Schs, N.Y.; Bennington Pub. Schs, Vt; Rockland State Hosp, N.Y. Psychol. Asn; Soc. Res. Child Develop; Asn. Res. Growth Relationships; Coun. Measurement in Ed. Human growth and development research, especially the longitudinal patterns of individual growth of children and the effects of environment on these patterns. Address: Education Bldg, Room 209, 1400 Washington Ave, Albany, N.Y. 12203.
- RUSCO, DR. ELMER RITTER, b. Haviland, Kans, May 6, 28; m. 55; c. 2. POLITICAL SCIENCE. A.B. Kansas, 51, M.A. 52; Ph.D. California, 60. Instr. POLIT. SCI, San Diego State Col, 57-58; vis. instr, Idaho, 59-60; assoc. prof, Parsons Col, 61-63; asst. prof, NEVADA, 63-67, ASSOC. PROF, 67-, DIR. BUR. GOVT. RES, 66-, asst. dir, 65-66. U.S.A. 52-54. Polit. Sci. Asn. Political parties and pressure groups; American national, state and local government; political theory. Publ: Municipal home rule; Voting behavior in Nevada, Univ. Nevada, 66; Minority groups in Nevada, Bur. Govt. Res, Univ. Nevada, 66. Address: Dept. of Political Science, University of Nevada, Reno, Nev. 89507.
- RUSH, DR. GRACE PREYER, Psychol, see 10th ed, Soc. & Behav. Vols.
- RUSH, DR. M(YRON), b. Chicago, Ill, Jan. 1, 22; m. 51; c. 3. POLITICAL SCIENCE. A.B. Chicago, 42, fel, 46-51, Ph.D. 51. Polit. analyst, U.S. Govt, 51-55; staff mem, soc. sci. div, Rand Corp, Calif, 55-63; sr. fel, Res. Inst. Communist Affairs, Columbia, 63-64; PROF. GOVT, CORNELL, 64-Sr. fel, Nat. Endowment Humanities, 68-69. Consult, State Dept, Wash, D.C., 63-; Rand Corp, 65- Assoc. mem. cmt. soc. thought, Chicago, 51. Soviet politics and foreign policy; general problem of political succession in diverse regimes. Publ: The rise of Khrushchev, Pub. Affairs Press, 58; Political succession in the U.S.S.R., Columbia Univ. Press, 65, revised ed, 68; co-auth, Strategic power and Soviet foreign policy, 66. Address: Dept. of Government, West Sibley, Cornell University, Ithaca, N.Y. 14850.
- RUSHFORTH, DR. NORMAN BURLEIGH, Statist, see 11th ed, Phys. & Biol. Vols.
- RUSHING, DR. WILLIAM ALEXANDER, b. Murfreesboro, Tenn, Apr. 3, 30; m. 58; c. 1. SOCIOLOGY. B.A. Colorado, 56, M.A. 58; Ph.D.(sociol), North Carolina, 61. Asst. prof. SOCIOL, Fla. State, 61-63; Wisconsin, 63-64; ASSOC. PROF, Washington State, 64-68; VANDERBILT, 68- U.S.A.F, 49-52. Organizational analysis; deviance. Publ: The psychiatric professions: power, conflict, and adaptation in a psychiatric hospital staff, Univ. North Carolina, 64; Deviant behavior and social process, Rand McNally, 68; Organizational rules and surveillance, Admin. Sci. Quart, 66. Address: Dept. of Sociology, Washington State University, Pullman, Wash. 99163.
- RUSHLAU, DR. PERRY J(OSEPH), Psychol, see 10th ed, Soc. & Behav. Vols.
- RUSHTON, DR. GERARD, b. Burnley, Eng, Mar. 3, 38; m. 63; c. 1. GEOGRAPHY, COMPUTER SCIENCE. B.A. Wales, 59, M.A. 62; Ph.D.(geog), Iowa, 64. Asst. prof. geog, McMaster, 64-67; ASST. PROF. GEOG. & RES. ASSOC. COMPUTER INST. SOC. SCI. RES, MICH. STATE, 67- Asn. Am. Geog; Regional Sci. Asn; Can. Asn. Geog. Revealed preference analysis of spatial choice patterns; tests of inter-personal consistency in spatial choice and computer simulation of spatial behavior patterns. Publ: Spatial pattern of grocery purchases by the Iowa rural population, Bur. Bus. & Econ. Res, Univ. Iowa, 66; co-auth, Some spatial characteristics of Iowa's dispersed farm population and their implications for the grouping of centered place functions, Econ. Geog, 65 & Formulation and test of a normative model for the spatial allocation of grocery expenditures by a dispersed population, Ann. Asn. Am. Geog, 67. Address: Dept. of Geography, Michigan State University, East Lansing, Mich. 48823.
- RUSK, DR. JERROLD GLENN, b. Portland, Ore, Nov. 27, 41; m. 62. POLITICAL SCIENCE. B.S. Brigham Young, 63; Nat. Defense Ed. Act, Woodrow Wilson & Ford Found. fcls. & Ph.D.(polit. sci), Michigan, 68. STUDY DIR. POLIT. BEHAV, SURV. RES. CENTER, DIV. INST. SOCIAL RES, MICHIGAN, 68-, summers, res. asst, 64 & asst. study dir, 65 & 67. Polit. Sci. Asn. Electoral behavior; public opinion; political parties and socialization. Publ: Measuring of political attitudes, Inst. Social Res. Address: 3144 Williamsburg Rd, Ann Arbor, Mich. 48104.
- RUSKIN, DR. A(LAN) B(RUCE), b. New York, N.Y., Dec. 30, 40. PSYCHOLOGY. B.A. Cornell, 61; N.Y. State Regents fel. & M.S. Columbia, 62; Nat. Inst. Ment. Health fel. & Ph.D.(psychol), Stanford, 68. ASST. PROF. PSYCHOL, PURDUE, 66- Mathematical models for concept learning; verbal learning; probability learning; discrimination learning. Address: Dept. of Psychology, Purdue University, Lafayette, Ind. 47907.
- RUSMORE, PROF. JAY T(HEODORE), b. Fresno, Calif, Oct. 2, 18; m. 42; c. 6. INDUSTRIAL PSYCHOLOGY. A.B. Fresno State Col, 38; M.A. Stanford, 40; Ph.D. California, 44. Chief civilian testing sect, Pac. div, U.S. Corps Engrs, 45; personnel dir, Hastings Clothing Co, 46-47; from assoc. prof. to PROF. PSYCHOL, SAN JOSE STATE COL, 48- Consult, Pac. Tel. & Tel. Co, 48-60. U.S.N.R., 42-44. Psychol. Asn. Personnel research and development. Publ: Use of the EPQO in a study of managers, In: The conference on the executive study; Psychological tests and fair employment, Calif. Fair Employ. Practice Cmn, 67; Prediction of success of telephone operators, Am. Psychologist, 67. Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 95114.
- RUSNAK, DR. ALAN W(AIS), b. Chicago, Ill, June 3, 37; m. 62; c. 2. CLINICAL PSYCHOLOGY. B.A. Miami, 59; M.A. Florida, 61, Ph.D.(clin. psychol), 64. Clin. psychol. intern, J. Hillis Miller Health Center, Univ. Florida, 62-63, post internship trainee community ment. health consultation, 63-64; SR. STAFF PSYCHOLOGIST, LARUE D. CARTER MEM. HOSP, 64- Instr, dept. psychiat. & res. consult, dept. phys. ther. sch. med, Indiana, 64- Psychol. consult, Child Guid. Clin. Wayne County, 65-66; Marion County Gen. Hosp, 66-; Indianapolis Pastoral Counseling Center, 68- Psychol. Asn. Perception; personality; suicide. Publ: Psychophysical method and phoria as variables determining apparent motion perception, Perceptual & Motor Skills, 66; co-auth, An indicator of suicidal ideation on the Rorschach: a replication, J. Proj. Tech. & Personality Assessment, 66. Address: 5281 Cornelius Ave, Indianapolis, Ind. 46208.
- RUSSELL, DR. ARCHIE E(DWARD), b. Bartlesville, Okla, Feb. 23, 17; m. 50; c. 3. ECONOMICS. A.B. Drury Col, 39; M.B.A. N.Y. Univ, 48, Ph.D.(econ), 50. Bus. analyst, Economet. Inst, 50; economist, Prudential Ins. Co. Am, 51-60; investment officer, CHASE MANHATTAN BANK, 60-67, SECOND V.PRES, 67- Chartered financial analyst, Inst. Chartered Financial Analysts, 66. U.S.A., 41-46. Econ. Asn; Statist. Asn. Business forecasting; investment analysis; population and income. Publ: Basing point system and the location of the iron and steel industry; President's economic report, 1960, J. Am. Statist. Asn. Address: Chase Manhattan Bank, 1 Chase Manhattan Plaza, New York, N.Y. 10015.
- RUSSELL, PROF. DANIEL, b. Ellisville, Miss, Aug. 25, 99. RURAL SOCIOLOGY. A.B. Baylor, 22; A.M. Chicago, 25; L.L.D. Howard Payne Col, 63. Prof. sociol, Baylor, 25-26; prof. rural sociol. & head dept, TEXAS A&M, 26-64, EMER. PROF, 64- Community develop. specialist & country dir, U.S. Opers. Mission, Haiti, 54-55. Summers, consult, U.S. Opers. Mission, El Salvador, 56-57, overseas field prog. officer, Int. Voluntary Serv. Inc, D.C. 58-60, recruiter, Peace Corps, 61. Mem. Gov. State Cmt. on Aging, 64- Rural Sociol. Soc; Sociol. Soc. Rural health problems and church organization; problems and techniques of rural community organization. Publ: Rural community development in Haiti. Address: 106 Lee St, College Station, Tex. 77840.

RUSSELL, PROF. DAVID H(ARRIS), Ed. Psychol, see 10th ed, Soc. & Behav. Vols, deceased 65.

RUSSELL, PROF. DAVID L(AWSON), b. New York, N.Y., Apr. 1, 21; m. 43; c. 2. PSYCHOLOGY. B.A. Wesleyan, 42; fels, Minnesota, 47-50, Ph.D. (psychol), 53. Asst. PSYCHOL, Minnesota, 47-48; from instr. to asst. prof. & dir. student counseling, Bowdoin Col, 50-59; assoc. prof, OHIO, 59-67, PROF, 67-, ASST. CHMN. DEPT, 68- U.S.C.G. 42-46, Lt. Psychol. Asn; Personnel & Guid. Asn; Ed. Res. Asn; Nat. Soc. Study Ed. Personality; mental health; counseling. Publ: Co-auth, Applied psychology, Macmillan, 66. Address: Dept. of Psychology, Ohio University, Athens, Ohio 45701.

RUSSELL, DR. DONALD H(AYES), Psychiat, see 11th ed, Phys. & Biol. Vols.

RUSSELL, DR. ERWIN D(EE), b. Salt Lake City, Utah, May 26, 24; m. 51; c. 3. PSYCHOLOGY. Ph.D. (psychol), Purdue, 52. Instr. psychol, Purdue, 50-51; asst. prof, Wabash Col, 51-52; consult. psychologist, ROHRER, HIBLER & REPLOGLE, 52-59, PARTNER, 59- Psychol. Asn. Industrial psychology; executive selection, training and development. Address: Rohrer, Hibler & Replogle, 660 E. Mason St, Milwaukee, Wis. 53202.

RUSSELL, DR. G(EOGE) HUGH, b. Ft. Wayne, Ind, Aug. 16, 27; m. 50; c. 3. CLINICAL PSYCHOLOGY. B.S. Purdue, 49, M.S. 51, Ph.D. (clin. psychol), 54. Chief clin. psychologist, Ment. Hyg. Consultation Serv, Ft. Monmouth, N.J., 54-57; MGT. PSYCHOLOGIST, G. HUGH RUSSELL & ASSOCS, 57-; PROF. MGT, GA. STATE COL, 62- U.S.N., 45-46; U.S.A., 53-57. Developmental counseling with business management executives. Publ: Co-auth, Human behavior and life insurance, Prentice-Hall, 63. Address: G. Hugh Russell & Associates, 100 Edgewood Ave. N.E., Atlanta, Ga. 30303.

RUSSELL, DR. HAROLD L(AVERNE), b. Hot Springs, Ark, Sept. 24, 26; m. 54. CLINICAL PSYCHOLOGY. B.S. Southern Mississippi, 52; M.A., Houston, 65, Ph.D. (children's perceptions), 66. Res. PSYCHOL, MED. BR, TEXAS, 62-64, inst, 64-66, ASST. PROF, 66- U.S.A.F. 44-46. Psychol. Asn. Psychodiagnosis; psychotherapy; parent-child relationships. Address: Division of Psychology, University of Texas Medical Branch, Galveston, Tex. 77550.

RUSSELL, DR. IVAN L(EE), Ed. Psychol, see 10th ed, Soc. & Behav. Vols.

RUSSELL, DR. JAMES E(ARL), b. Nashville, Tenn, Sept. 18, 16; m. 42; c. 2. POLITICAL SCIENCE. A.B. Princeton, 38; Ecole Normale Supérieure, Paris, 38-39; A.M. Columbia, 40, Ph.D. 50. Teacher, pub. schs, Ind, 40-41; instr. govt. & asst. to dean of col, Columbia, 46-49; asst. prof, Hopkins, 49-50; assoc. prof. ed. & dep. dir. citizenship ed. proj, teachers col, Columbia, 50-57; SECY. ED. POLICIES CMN, NAT. ED. ASN. & AM. ASN. SCH. ADMINSTRS, 57- Vis. prof, Nat. War Col, 52, lectr, 52- Consult, Asst. Secy. Defense for Manpower & Personnel, 53-54; legis. cmn, Nat. Ed. Asn, 54- U.S.N.R., 42-45, Lt. American political behavior and institutions; international politics; policy process in American government. Publ: Federal activities in higher education; ed, National policies for education, health and social services; auth, Change and challenge in American education, Houghton, 65. Address: Educational Policies Commission, 1201 16th St. N.W., Washington, D.C. 20036.

RUSSELL, DR. JAMES H(ERSHEY), Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

RUSSELL, PROF. JAMES L, b. Falcon, Ark, Nov. 12, 02; m. 23; c. 1. PSYCHOLOGY. EDUCATIONAL ADMINISTRATION. B.A. Southeast State Col, 27; M.S. Oklahoma, 30; Ph.D. (psychol, ed. admin), George Peabody Col, 40. Supt. schs, Checotah, Okla, 32-40; dir. teacher ed. exten. div, Univ. Syst. of Ga, 41-46; grad. dean, WEST TEXAS STATE, 46-65, PROF. ED. ADMIN. & PSYCHOL, 65- Special assessments against public school property. Address: 2615 Fourth Ave, Canyon, Tex. 79015.

RUSSELL, DR. JAMES T(HOMAS), b. Beaver Falls, Pa, July 26, 02; m. c. 2. PSYCHOLOGY. M.A. Chicago, 29, Soc. Sci. Res. Coun. fel. & Ph.D. (psychol), 31. Exam. bd. exams, Chicago, 31-36; psychologist, West. Elec. Co, Inc, 36-40; sr. statistician, State Dept. Commerce, N.Y., 44-48; supvr. res. & develop, State Div. Exam, N.Y., 48-64; CONSULT, N.Y. STATE DEPT. CIVIL SERV, 64- U.S. Pub. Health Serv. grant, Yerkes Labs. Primate Biol, 53-58. Dipl. indust psychol, Am. Bd. Exam. Prfnl. Psychol. Psychol. Asn; Statist. Asn. Psychometrics; personnel selection. Publ: Ed, Manual of examination methods; auth, National attitudes on the Far Eastern controversy, Am. Polit. Sci. Rev; Relationship of validity coefficients to the practical effectiveness of tests in selection, J. Appl. Psychol. Address: 56 Groesbeck Place, Delmar, N.Y. 12054.

RUSSELL, DR. JAMES W, b. Dedham, Mass, Jan. 8, 19. COUNSELING. Ph.D. (counseling, guid), Mich. State Col, 52. Voc. counsr, American Univ, 47; George Washington, 48; instr. psychol, Berea Col, 50-52; assoc. prof, La. Polytech, 52-53; dir. testing & voc. guid, Centenary Jr. Col, 54-55; voc. counsr, Northwestern, 55-59; prof, California State Col. (Pa), 60; ASSOC. PROF. ed, DePaul, 60-62; ED. PSYCHOL. COUNSELING & GUID, LOYOLA (ILL), 62- U.S.A., 42-46. Psychol. Asn. Educational psychology; guidance. Address: Loyola University, 820 N. Michigan Ave, Chicago, Ill. 60611.

RUSSELL, PROF. JOSEPH A(LBERT), b. Grand Rapids, Mich, June 4, 09; m. 38. GEOGRAPHY. A.B. Michigan, 31, M.A. 32, Ph.D. (geog), 37. Instr. GEOG, Syracuse, 37-40, asst. prof, 40-41, assoc. prof, 46-49; PROF, ILLINOIS, URBANA, 49-, head dept, 49-65. Consult. to dir. mkt, Ford Motor Co, 48-53; Corps Engrs, U.S. Dept. Army, 56-; U.S. Off. Naval Res, 53-60; adv. U.S. Army Natick Res. Labs, 66-69. Chmn. cmt. mil. geog, Nat. Acad. Sci. & mem. adv. bd, Mil. Personnel Supplies, 66-69. Chief geog. res. sect, topog. bur, Mil. Intel. Serv, D.C., U.S.A., 42-46, 51-52, Lt. Col. Asn. Am. Geog. (pres, 54-55); Soc. Photogram. Interpretation of aerial photographs; military and marketing geography; industrial location; human ecology; historical geography of Europe. Address: Dept. of Geography, University of Illinois, Urbana, Ill. 61801.

RUSSELL, PROF. J(OSIAH) C(OX), European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

RUSSELL, DR. MILTON ROSS, b. Corpus Christi, Tex, Oct. 28, 33; m. 59; c. 2. ECONOMICS. B.A. Tex. Col. Arts & Indust, 55; M.A., 57; Ph.D. (econ), Oklahoma, 63. Instr. econ, Iowa State, 59-61; asst. prof, Texas Christian, 61-64; Southern Illinois, 64-66; economist, Fed. Power Cmn, 66-67; ASSOC. PROF. ECON. & CHMN. DEPT, SOUTHERN ILLINOIS, 67- Consult, Fed. Power Cmn, 67- Econ. Asn. Regulation of natural gas industry; optimal policy for efficient resource allocation in regulated utilities; taxation of natural resources; public finance; government regulation. Publ: Adequacy of natural gas reserves, Pub. Utilities Fortnightly, 10/65. Address: Dept. of Economics, Southern Illinois University, Carbondale, Ill. 62901.

RUSSELL, DR. NED M(ILLER), b. McClure, Ohio, May 30, 11; m. 37; c. 1. CLINICAL PSYCHOLOGY. A.B. Kansas, 32, M.A., 34, Ph.D. (psychol), 36; summer, Chicago, 46. Head dept. psychol. & ed, Huron Col, 36-37; Union Col. (Ky), 37-40; prof. psychol, Baldwin-Wallace Col, 40-42; personnel counsr, Vet. Admin. Regional Off, 46-49; prof. psychol. & dir. dept, Col. of Pacific, 49-56, coordinator clin. serv. proj, Rosenberg Found, 51-54; clin. psychologist, San Joaquin County Schs, Calif, 56-61; dir. guid. & psychol. serv, Palm Springs Unified Sch. Dist, 61-65; ASSOC. PROF. PSYCHOL. & COUNSELOR, COUNSELING CENTER, CALIF. STATE COL. LONG BEACH, 65- U.S.A., 42-46, Maj. Psychol. Asn. Psychotherapy and counseling; adjustment problems of school children; learning of arithmetic in pre-school and grade school children. Publ: Group centered learning in clinical psychology; co-auth, The Pacific product. Address: 206 Belmont Ave, Apt. 3, Long Beach, Calif. 90803.

RUSSELL, PROF. OLIVE RUTH, Psychol, see 10th ed, Soc. & Behav. Vols.

RUSSELL, PROF. P(ARKE) DEAN, b. Floyd, Va, June 11, 15; m. 50; c. 1. ECONOMICS. B.A. Emory & Henry Col, 37; Harvard, 39-40; M.S. Columbia, 46; Ph.D. Geneva, 59. Ed. pubs, Found. Econ. Ed, 46-55; asst, U.S. Steel Corp, 55-56; Nat. Bank Detroit, 57-59; prof. econ, Rockford Col, 59-66; PROF. ECON. & CHMN. DIV. SOC. SCI. COL. ARTESIA, 66- U.S.A.A.F. 41-45, Capt. Econ. Asn. Journalism; European economic history of the nineteenth century; history and theory of international trade. Publ: TVA idea; Frederic Bastiat and free trade; Men, motors and markets. Address: Dept. of Economics, College of Artesia, Artesia, N.Mex. 88210.

RUSSELL, PROF. RICHARD JOEL, Geol, Geog, see 11th ed, Phys. & Biol. Vols.

RUSSELL, DR. ROBERT W(ILLIAM), b. Wauseon, Ohio, Aug. 1, 42; m. 63; c. 1. POLITICAL SCIENCE. B.A. Ohio, 63; M.A. Tufts, 64 & 65, Nat. Defense Ed. Act fel. & Ph.D. (U.S. for. policy), 67. Instr. govt. Bowdoin Col, 66-67; ASST. PROF. POLIT. SCI. WIS. STATE, OSHKOSH, 67- Polit. Sci. Asn; Int. Studies Asn. United States foreign policy, both formation and current policy. Address: Dept. of Political Science, Wisconsin State University, 800 Algoma Blvd, Oshkosh, Wis. 54901.

RUSSELL, PROF. ROGER W(OLCOTT), b. Worcester, Mass, Aug. 30, 14; m. 45; c. 2. PSYCHOLOGY. A.B. Clark Col, 35; M.A. Clark, 36; Livermore scholar, George Peabody Col, 36-37; DuPont fel, Virginia, 38-39, Ph.D. (psychol), 39; D.Sc. London, 54. Instr. psychol, Nebraska, 39-41; Mich. State Col, 41; res. psychologist, sch. aviation med, U.S. Dept. Air Force, Randolph Field, Tex, 41-42; asst. prof. psychol, Pittsburgh, 46-47, assoc. prof, 47-49; prof. & head dept, Univ. Col, London, 49-57; exec. secy, Am. Psychol. Asn, 56-59; prof. psychol, Indiana, 59-67, chmn. dept, 59-66, dean adv. studies, 66-67; PROF. PSYCHOBIOLOG. & PSYCHOL. & V.CHANCELLOR ACAD. AFFAIRS, CALIFORNIA, IRVINE, 67- Dir. psychol. clin. Farm Security Admin, Nebr, 40; fel, West. State Psychiat. Inst. & Clin, Pa, 48-49; Fulbright adv. res. scholar & dir. animal res. lab, inst. psychiat, London, 49-52; Fulbright prof, Sydney, 65-66; vis. Erskine fel, Canterbury, 66. Secy. gen, Int. Union Psychol. Sci, 60-66, v.pres, 66- U.S.A.A.F. 42-46, Maj. AAAS; Am. Psychol. Asn; fel. Col. Neuropsychopharmacol; hon. fel. Brit. Psychol. Soc; for. mem. Royal Soc. Med; hon. fel. Australian Psychol. Soc. Psychopharmacology; physiological psychology. Publ: Biochemical factors in mental disorders, McGraw, 65; Frontiers in physiological psychology, Academic, 66; Psychopharmacology, Annual Rev. Psychol, 64. Address: University of California, Irvine, Calif. 92664.

RUSSELL, RUTH B(EATRICE), b. San Francisco, Calif, May 13, 11. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.S. California, Berkeley, 32, M.A., 34. Mem. staff, trade agreements div, U.S. Dept. State, 34-38; res. asst. int. econ, Brookings Inst, 38-41; asst. postwar planning, U.S. Dept. State, 41-44; mem. for. serv. auxiliary, econ. reporting, U.S. Embassy, London, 44-46, liaison officer to European Cent. Inland Transport Orgn, 45-46; mem. res. staff, U.S. for. policy, Brookings Inst, 46-57, sr. res. staff, 58-66; RES. ASSOC. UN STUDIES, COLUMBIA UNIV, 66- Rapporteur, cmt. peacekeeping ops, Nat. Citizens' Cmn. Int. Coop. Year, 65. Polit. Sci. Asn; Soc. Int. Law; Int. Studies Asn; Soc. Int. Develop. Current problems and diplomatic history of American foreign policy and the United Nations. Publ: A history of the United Nations Charter: role of the United States, 1940-1945, 58, United Nations experience with military forces: political and legal aspects, 64 & The United Nations and United States security policy, 68, Brookings Inst. Address: School of International Affairs, Columbia University, New York, N.Y. 10027.

RUSSELL, DR. SARGENT, b. Ocean Grove, N.J., July 2, 15; m. 41; c. 7. STATISTICS. B.S. Maine, 37; M.S. Cornell, 39; Ph.D. Massachusetts, 56. Instr. res, Mass. State Col, 40-42; mem. staff, U.S. Dept. Agr, 42; foreman, Birdseye-Snyder, 46-47; instr. AGR. ECON, MASSACHUSETTS, 47-48, asst. prof, 48-56, ASSOC. PROF, 56- Fulbright lectr, Turkey, 64-65 & 67-68. Biomet. Soc; Agr. Econ. Asn. Marketing. Publ: Economic effects of the St. Lawrence Seaway. Address: Dept. of Agricultural Economics, University of Massachusetts, Amherst, Mass. 01003.

RUSSELL, DEAN SEITH, b. Jersey Shore, Pa, June 3, 04. SOCIOLOGY. A.B. Pa. State Col, 33, A.M. 35; Ph.D. Pittsburgh, 39. From instr. to assoc.

prof. sociol. Pa. State, 37-47, prof. & head dept, 47-53; PROF. SOCIOL. DIR. CONTINUATION STUDIES & DEAN COL. ARTS & SCI, N.DAK. STATE, 53- Industrial relations. Address: College of Arts & Sciences, North Dakota State University, Fargo, N.Dak. 58102.

RUSSELL, DR. VERA R. (KILDUFF), b. Eng. June 27, 02; nat; m. 48. ECO-NOMICS. B.A. Saskatchewan, 34, M.A. 35; Brown-Brookings coop. fel, Brookings Inst, 37-38; univ. fel. & Ph.D.(econ), Brown, 38. Instr. econ. Hood Col, 39-40; assoc. prof. Webber Col, 40-42; instr. Vassar Col, 42-43; prin. economist, bur. bus. res. N.Y. State Dept. Commerce, 43-60, dir. bur, 60-61; CONSULT, N.Y. STATE TECH. SERV. PROG, 66- Econ. Assn. In-ternational trade; marketing; economic history. Publ: Contrib, New York State Commerce Review; auth, Industrialization in the United States, J. Mkt; Economic factors in the development of Canadian-American trade, South. Econ. J. Address: 56 Groesbeck Place, Delmar, N.Y. 12054.

RUSSELL, PROF. WALLACE A(DDISON), b. Windsor, Vt, June 22, 22; m. 44; c. 1. PSYCHOLOGY. B.S. New Hampshire, 44, M.A., 47; Ph.D.(psychol), Iowa, 49. Asst. prof. PSYCHOL. MINNESOTA, MINNEAPOLIS, 49-55, assoc. prof, 55-59, PROF, 59- Fulbright sr. res. scholar, Germany, 57-58. U.S.A. 42-46. AAAS; Psychol. Assn. Experimental studies of motivation; verbal behavior. Publ: Retention of verbal material & Implicit verbal chain-ing in paired associate learning, J. Exp. Psychol; Associative clustering during recall, J. Abnorm. & Soc. Psychol. Address: Dept. of Psychology, University of Minnesota, Minneapolis, Minn. 55455.

RUSSELL, WENDELL H(ARKER), b. Horton, Kans, Oct. 8, 22; m. 47; c. 3. POLITICAL SCIENCE. Ph.B. Chicago, 48, A.M., 50. Admin. asst, munic. & tech. adv. serv. Tennessee, 50-52; mgt. asst. off. admin. OAK RIDGE ASSOC. UNIVS, 52-53, head mgt. serv. dept, 53-57, chief exten. serv. mus. div, 57-62, div. admin. officer, info. & exhibits div, 62-64, field rep. South. Rural Training Proj, Knoxville, Tenn, 64-65, dir. manpower prog, 65-66, DIR. TRAINING & TECH. PROJ, 66- U.S.A.A.F., 43-46, Capt. Polit. Sci. Assn; Soc. Pub. Admin; Indust. Rels. Res. Assn. Administration of scientific research; organization and management; personnel administration. Publ: Resources for Southern manpower development, 10/65 & Proposal—training and technology, a manpower training demonstration project, 2/66, Oak Ridge Assoc. Univs. Address: 1700 Lockwood Dr, Knoxville, Tenn. 37918.

RUSSETT, PROF. BRUCE M(ARTIN), b. North Adams, Mass, Jan. 26, 35; m. 60; c. 1. POLITICAL SCIENCE. B.A. Williams Col, 56; dipl, Cam-bridge, 57; M.A., Yale, 58, Sterling fel. & Ph.D., 61. Asst. instr. POLIT. SCI., Yale, 60; instr. Mass. Inst. Tech, 61-62; asst. prof. YALE, 62-66, assoc. prof, 66-68, PROF, 68-, DIR. POLIT. DATA PROG, 62- Soc. Sci. Res. Coun. grant, 62-63; Nat. Sci. Found. grants, 64-68; jr. faculty fel, Yale, 65-66; vis. res. polit. scientist, ment. health res. inst, Univ. Michigan, 65-66. Consult, Rand Corp, 66-; behav. sci. contract, Adv. Res. Projs. Agency, 67- Polit. Sci. Assn; Int. Studies Assn; Int. Peace Res. Assn. Theory of inter-national politics; international organization; military policy and national de-fense; methodology; comparative government; international economics. Publ: World handbook of political and social indicators, 64 & co-auth, World politics in the General Assembly, 65, Yale Univ; auth, International regions and the international system, Rand McNally, 67. Address: Dept. of Political Science, Yale University, New Haven, Conn. 06520.

RUSSWURM, DR. LORNE H, b. Mildmay, Ont, Jan. 19, 29; m. 57; c. 3. GEOGRAPHY. B.A. Western Ontario, 57, M.A., 61; Ph.D.(geog), Illinois, 64. Teacher, high sch, 57-60; asst. prof. GEOG, Waterloo Lutheran, 64-67; ASSOC. PROF, WATERLOO, 67- Consult, regional develop. br, Ont. Dept. Econ, 67-68; Nat. Adv. Cmt. Geog. Res, 67-69. AAAS; Assn. Am. Geog; Am. Geog. Soc; Can. Assn. Geog. Urban systems, their structure and flows; eco-system concept as an integrating principle for geography. Publ: Co-auth, The use of standardized values in regionalization, Prfnl. Geogr, 64; auth, Changing central business district retail sales mix, 1948-1958, Ann. Assn. Am. Geog, 64; Expanding urbanization and selected agricultural elements, Land Econ, 67. Address: Dept. of Geography & Planning, University of Waterloo, Waterloo, Ont, Can.

RUST, CHRISTIAN LEWIS, b. Manila, Philippines, May 17, 29; U.S. citizen; m. 51; c. 3. MANAGEMENT. B.S. Mass. Inst. Tech, 51. Engr, Standard Oil Co, Calif, 51; dept. mgr. hydrolyzer, oil ref. & synthetic granules, Procter & Gamble Co, Calif, 53-57, hardening plant, Tex, 57-58, sr. engr, Ohio, 58-59; consult, Booz-Allen & Hamilton, Inc, Calif, 59-63; proj. engr, BOOZ-ALLEN APPL. RES, INC, 63-64, RES. DIR. MGT. INFO SYSTS. & LOGISTICS MGT, 64- U.S.A., 46-48, 51-53, 1st Lt. Sr. mem. Inst. Indust. Eng. Development and improvement of management information systems for the Department of Defense, especially in areas of logistics and project management. Address: Booz-Allen Applied Research, Inc, 4733 Bethesda Ave, Bethesda, Md. 20014.

RUST, DR. PAUL JAMES, b. Coeur d'Alene, Idaho, June 2, 13; m. 36, 65; c. 2. PSYCHOLOGY, EDUCATION. B.A. Idaho, 35, M.A., 37; Ph.D.(ed), Washing-ton (Seattle), 52. Asst. prof. Eng. & psychol, N.C. STATE, 50-57, ASSOC. PROF. PSYCHOL, 57- Speed reading. Publ: Many paths lead to reading, W.C. Brown, rev. ed, 66; Philosophy in a nutshell, Typing Serv, 67. Ad-dress: Dept. of Psychology, North Carolina State University, Raleigh, N.C. 27607.

RUST, DR. RALPH M(ASON), b. Parsons, Kans, Dec. 24, 16; m. 40; c. 3. CLINICAL PSYCHOLOGY. B.A. Montana, 39; M.A. Columbia, 40, Ph.D. (psychol), 49. Asst. psychol, Amherst Col, 41-42; instr, Brooklyn Col, 46-47; res. psychologist, Columbia, 47; clin. psychologist, Yale, 48-61; COOR-DINATOR, COUNSELING CENTER, SAN FRANCISCO STATE COL, 61- Assoc. prof, South. Conn. State Col, 61; Fulbright prof, American Col, Madurai, India, 67-68. Consult, counseling & testing center, Stanford, 60. U.S.A.A.F., 43-46. AAAS; Psychol. Assn; Col. Health Assn. Personality mea-surement; academic achievement; group process. Address: Counseling Cen-ter, San Francisco State College, 1600 Holloway Ave, San Francisco, Calif. 94132.

RUST, DR. VELMA I, b. Edmonton, Alta, May 22, 14; m. 55. EDUCATION, MATHEMATICS. B.Sc., Alberta, 34, B.Ed., 44, M.Ed., 47; Ph.D.(ed, math),

Illinois, Urbana, 59. Teacher, high schs, Alta, 36-42 & 43-44; inspector, Inspection Bd. U.K. & Can, 42-43; admin. secy, dean's off, faculty ed, Alberta, 44-52, lectr. math ed, 52-54, asst. prof. math. ed. & dir. stu-dent teaching prog, 54-56; asst. Illinois, Urbana, 56-59, lectr. col. ed, 59; sessional lectr. math, Carleton (Can), 59-62; chief staff training, in-spection serv, Can. Dept. Nat. Defence, 62-65; STATISTICIAN, Aviation Statistics Centre, Can. Govt, 65-67; CAN. DEPT. NAT. HEALTH & WEL-FARE, 67- Researcher, hq. Royal Can. Air Force, 60-62. Statist. Assn; Soc. Qual. Control; Math. Assn. Am; Can. Math. Cong. Methods of teaching mathematics and science; management techniques; quality assurance; per-sonnel planning; air passenger origin and destination statistics and other aviation statistics; principles and measurement of critical thinking; govern-ment pension and other social security measures. Publ: Factor analyses of three tests of critical thinking, 12/60 & A study of pathological doubting as a response set, 6/61, J. Exp. Ed; co-auth, A factor-analytic study of critical thinking, J. Ed. Res, 3/62. Address: Research & Statistics Directorate, Dept. of National Health & Welfare, 222 Nepean St, Ottawa 4, Ont, Can.

RUSTAGI, DR. JAGDISH S, b. Sikri, India, Aug. 13, 23; m. 49; c. 3. MATHE-MATICAL STATISTICS, BIostatistics. B.A. Delhi, 44, M.A., 46; fel, Stanford, 52-53, Ph.D., 56. Lectr. math, Hindu col, Delhi, 46-52; asst. statist, Stanford, 53-55; instr. math, Carnegie Inst. Tech, 55-56, asst. prof, 56-57; statist, Mich. State, 57-58; reader, Aligarh Muslim Univ, India, 58-60; asst. dir. biomet, col. med, Cincinnati, 61-63, assoc. prof. statist, 62-63; MATH, OHIO STATE, 63-65, PROF, 65-, MEM. CARDIO-VASC. RES. & TRAINING CENTER, 66-, ADJ. PROF. PREV. MED, UNIV, 67- Consult, aeromed. labs, Wright-Patterson Air Force Base, 65-66; Aerojet Corp, 66-67. Math. Assn. Am; Statist. Assn; Biomet. Soc; Inst. Math. Statist; Indian Soc. Agr. Statist. Mathematical statistics; inference; mathematical models of biology; mortality studies. Address: Dept. of Mathematics, Ohio State University, 231 W. 18th Ave, Columbus, Ohio 43210.

RUSTERHOLTZ, DR. WALLACE P(ALMER), b. Erie, Pa, Mar. 21, 09; m. 46. POLITICAL SCIENCE. A.B., Dartmouth Col, 31; A.M., Harvard, 32; Ph.D., Buffalo, 49; M.A., Chicago, 56. Founder, dir. & head dept. Eng. Community Col, YWCA, Erie, Pa, 32-36; asst. librarian, Buffalo, 37-40; instr. Eng. South. Col, Va, 40-42; Case, 45-47; asst. prof. hist. & polit. sci, Butler, 47-51; partner, Rusterholtz Co, Pa, 51-55; asst. curator spec. collections, Harper Library, Univ. Chicago, 56-57; instr. adult ed, Chicago Bd. Ed, 57-62; ASST. PROF. HIST, CHICAGO CITY COL, AMUNDSEN CAMPUS, 62- Lectr., Pittsburgh, 32-33. U.S.A., 43-45. Hist. Assn. Publ: American heretics and saints; Glamor that was Persia; Yankee in a Persian garden. Address: 1545 E. 60th St, Chicago, Ill. 60637.

RUSTOW, DR. DANKWART A(LEXANDER), b. Berlin, Germany, Dec. 21, 24; nat; div; c. 3. POLITICAL SCIENCE. Istanbul, 42-44; B.A., Queens Col. (N.Y.), 47; M.A., Yale, 49, Soc. Sci. Res. Coun. fel, 49-50, Ph.D.(polit. sci), 51. Assoc. prof. polit. sci, Oglethorpe, 50-52; asst. prof. polit, Princeton, 52-57, assoc. prof, 57-59, res. assoc. center int. studies, 55-59; ASSOC. PROF. INT. SOC. FORCES, COLUMBIA, 59- Fund Adv. Ed. faculty fel, Yale, 51-52; lectr., Istanbul & Robert Col, 53; American Univ. Beirut, 54; Hunter Col, 55-56; vis. asst. prof, Columbia, 56-57; vis. assoc. prof, Yale, 61; mem. sr. staff, Brookings Inst, 61-63; vis. prof, Sch. Adv. Int. Studies, 63-64; NATO vis. prof, London Sch. Econ, 65; res. fel, Guggenheim Found, 65-66; vis. prof, Mass. Inst. Tech, 66-67; N.Y. Univ, 67-68; summer vis. prof, Heidelberg, 61. Consult, Rand Corp. & U.S. Dept. State, 62-; Twenti-eth Century Fund, 65-67. Mem. Coun. For. Rels, 60-; bd. gov, Inst. Current World Affairs, 66- Polit. Sci. Assn; Mid. East Inst. Comparative govern-ment and international relations. Publ: Politics of compromise; co-auth, Political modernization in Japan and Turkey, Princeton Univ, 64; A world of nations, Brookings Inst, 67. Address: School of International Affairs, Columbia University, New York, N.Y. 10027.

RUTH, DR. RICHARD L, b. Wichita, Kans, Jan. 13, 31; m. 60; c. 2. ECONOM-ICS. B.A. Wichita State, 58; Woodrow Wilson fel, Wisconsin, 58-60, M.S., 60, univ. fel, 61-64, Ph.D.(econ), 64. Planner, Boeing Co, Kans, 60-61; teaching asst, Wisconsin, 61-64; ASST. PROF. ECON, St. Benedict's Col. (Kans), 64-65; Hobart & William Smith Colls, 65-67; MARQUETTE, 67- U.S.A.F., 51-54. Econ. Assn; Royal Econ. Soc; Econ. Hist. Assn. Latin Ameri-can economic history; economic development of less developed countries. Address: Dept. of Economics, Marquette University College of Business Administration, 606 N. 13th St, Milwaukee, Wis. 53233.

RUTHENBERG, DR. DONALD B, b. Akron, Ohio, Jan. 7, 30; m. 54; c. 4. SO-CIOLOGY, SOCIAL PSYCHOLOGY. A.B., Baldwin-Wallace Col, 53; Th.M., Iliff Sch. Theol, 56; A.M., Southern California, 58; Danforth Found. grant, Denver, summer, 59, Ed.D.(soc. psychol), 61. Asst. prof. sociol. & dean men, Baldwin-Wallace Col, 58-61; prof. sociol. & dean students, Dakota Wes-leyan, 61-63, dean students, ILLINOIS WESLEYAN 63-67, DIR. INSTNL. RES, 67- Cokesbury fel, 60-61; Nat. Sci. Found. grant, summer 61; U.S. Off. Ed-Nat. Training Inst. fel, 67- U.S.N.R., 54-58, Lt. Cmdr. Sociol. Assn; Ed. Res. Assn; Assn. Instnl. Res. Student attitudes; perceptions and behavior. Publ: Creativity in students-stified or stimulated, J. Higher Ed, 3/64; Need for small research programs, J. Student Personnel, 4/67. Address: 1209 N. Fell Ave, Bloomington, Ill. 61701.

RUTHERFORD, DR. BRENT M(cLEAN), b. Peoria, Ill, Feb. 25, 43; m. 65. POLITICAL SCIENCE. B.A., Bradley, 64; Chicago, 64; M.A., Northwestern, 67, Ph.D.(polit. sci), 68. ASST. PROF. POLIT. SCI, STATE UNIV. N.Y. BUFFALO, 67- Instr. Northwestern, spring 67. Polit. Sci. Assn; Statist. Assn; Assn. Comput. Mach. Psychopathology and politics; statistics and computer applications; monte carlo techniques; methodology of measure-ment. Publ: Psychopathology, decision-making and political involvement, J. Conflict Resolution, 12/66; co-auth, Program Cogito: computer general-ized intelligence testing, Otis, J. Ed. & Psychol. Measurement, spring 68. Address: Dept. of Political Science, State University of New York at Buffalo, Buffalo, N.Y. 14226.

RUTHERFORD, DR. DAVID R, b. Altus, Okla, Mar. 24, 31; m. 54; c. 2. SPEECH PATHOLOGY. B.A., Oklahoma, 53, M.A., 54; Ph.D.(speech path), Northwestern, 58. Speech therapist, Okla. Cerebral Palsy Inst, 53-54; Ill.

- Asn. Crippled, 54-55; instr. SPEECH PATH, NORTHWESTERN, 56-58, asst. prof, 58-61, assoc. prof, 61-64, prof, 64-66, CHMN. DEPT, 66- Consult, children's neurol. clin, Cook County Hosp, 58-; State Ill. Ment. Health Center, 60-64; Evanston Hosp. Asn. Center Learning Disorders & Nat. Prevalence Study in Speech & Hearing, 65- Speech & Hearing Asn; Acad. Cerebral Palsy. Speech-language disorders accompanying central nervous system damage; language functions and cerebral dominance. Publ: Co-auth, Speech therapy for the cerebral palsied, Nat. Asn. Crippled Children & Adults, 61 & Cleft palate, Prentice-Hall, 66; co-auth, Testing oral sensation and perception in persons with dysarthria, In: Oral sensation and perception: a symposium, C.C. Thomas, 67. Address: Dept. of Communicative Disorders, Northwestern University, Evanston, Ill. 60201.
- RUTHERFORD, PROF. JEAN M, b. San Diego, Calif, Dec. 13, 20. PSYCHOLOGY. B.A. California, Los Angeles, 42; M.A., Syracuse, 50, Ed.D.(ed. psychol), 55. Head eval. & testing sec. psychol. res center, Syracuse, 52-53, instr. measurement & statist, sch. ed, 53-55; asst. prof. ed. psychol. & dir. univ. testing, Arizona State, 55-57; asst. prof. PSYCHOL, NORTHERN MICHIGAN, 57-59, assoc. prof, 59-64, PROF, 64- Sch. diagnostician, 60- Consult, Mich. Registr. Act, 61- W.A.C. 42-48, Maj. Fel. AAAS; Psychol. Asn; Statist. Asn; Ed. Res. Asn; Psychomet. Soc; Nat. Coun. Measurement in Ed. Psychodiagnostics of children; experimental design; test construction. Address: Dept. of Psychology, Northern Michigan University, Marquette, Mich. 49855.
- RUTHERFORD, ROBERT ERWIN, b. Cleveland, Ohio, May 9, 27; m. 51; c. 4. POLITICAL SCIENCE, HISTORY. B.S. Florida, 50. M.A. 52; Oxford, 62-63; Stanford, 64-66. Traffic/sales rep, Pan Am. World Airways, 52-56; contract mgr, Martin Co, 56-59; asst. to dir. admin, Ford Found, 60-61, asst. rep, Cairo, Egypt, 61-62; asst. to pres, Golden Gate Col, 63-65, asst. prof. hist. & polit. sci, 64-65; ASST. TO PRES, MENLO SCH. & COL, 66- Consult. mgt, inst. land reclamation, Alexander, 61-62. Current trends in and the administration of higher education in the United States. Address: Menlo School & College, Menlo Park, Calif. 94025.
- RUTKOWSKI, DR. EDWIN H(ENRY), b. Chicago, Ill, July 15, 23; m. 52; c. 2. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. M.A. Chicago, 50; Ph.D.(polit. sci), Columbia, 60. Instr. POLIT. SCI, Detroit, 56-60, asst. prof, 60-65, chmn. dept, 63-67, ASSOC. PROF, 65-67; STATE UNIV. N.Y., BINGHAMTON, 67- U.S.M.C. 43-46, Sgt. Polit. Sci. Asn. American foreign policy; national security policy; comparative politics; political theory. Publ: The politics of military aviation procurement, 1926-1934, Ohio State, 66. Address: Dept. of Political Science, State University of New York at Binghamton, Binghamton, N.Y. 13901.
- RUTLAND, PROF. ROBERT ALLEN, Journalism, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- RUTLEDGE, DR. AARON L(ESLIE), b. Groveland, Fla, Apr. 15, 19; m. 37; c. 4. PSYCHOLOGY, COUNSELING. A.B. J.B. Stetson, 43; B.D. Baptist Sem, Ky, 46, Th.M. 47, Th.D.(counseling), 49. Mem. therapeut. staff & outpatient clin. & head internship prog. counseling, State Hosp, Ky, 47-49; prof. psychol, sch. nursing & dir. personal guid, Furman, 49-52; HEAD COUNSELING SERV. & COUNSELING & PSYCHOTHER. PROG, MERRILL-PALMER INST, 53- Consult, Family Serv, S.C. 49-52; Vet. Admin. Training Prog, 55-; White House Conf. on Children & Youth. Former pres, Nat. Coun. Family Rels. Fel. Asn. Marriage Counsr.(past pres). Psychotherapy; marriage counseling; mental health. Publ: Individual and marriage counseling inventory; Pre-marital counseling; Nineteen Negro men. Address: Merrill-Palmer Institute, 71 E. Ferry Ave, Detroit, Mich. 48202.
- RUTLEDGE, DR. EDWARD F, b. Norwood, Mass, May 2, 33; PSYCHOLOGY. B.A., New Hampshire, 60; M.A. Iowa, 62, Ph.D.(psychol), 63. Res. asst. prof. PSYCHOL, Iowa, 63-64; ASST. PROF. NEW HAMPSHIRE, 64- Consult, N.H. State Hosp, 66-67; N.H. Asn. Blind, 67- Psychol. Asn. Learning; conditioning; motivation; behavior theory. Publ: Co-auth, Effect of the number of acquisition trials and the presence of UCS on extinction, 63 & Extinction of the human eyelid CR as a function of the discriminability of the change, 64, J. Exp. Psychol; The effect of overlearning on rate of extinction of the eyelid CR, Psychonomic Sci, 64. Address: Dept. of Psychology, Conant Hall, University of New Hampshire, Durham, N.H. 03824.
- RUTLEDGE, DR. LOUIS, b. Philadelphia, Pa, July 5, 22; m. 43; c. 2. PSYCHOLOGY. B.A., Syracuse, 49; U.S. Pub. Health Serv. fel, Pa. State, 53-54, Ph.D. 55. Clin. psychologist, Vet. Admin. Hosp, Pittsburgh, Pa, 55-56, res. clin. psychologist, Denver, Colo, 56-58; consult. psychologist, Glaser, Snowden & Assocs, Calif, 58; sr. clin. psychologist, Jewish Nat. Home Asthmatic Children, 58-61; clin. psychologist, Boulder Child Guid. Clin, 61-62; instr. PSYCHOL, Colorado, 62-63; ASSOC. PROF, DENVER, 65- Instr, exten. div. & med. center, Colorado, 59- U.S. Pub. Health Serv. fel, psychol. div, med. center, 60-61. Private practice, 62- Clin. psychologist, Wallace Village for Children, 61-62; chief clin. psychologist, Jefferson County Ment. Health Center, Lakewood, 63-66. Res. analyst, Ft. Logan Ment. Health Center, Denver, 66-67. Dipl. Am. Bd. Exam. Prfnl. Psychol, 61. U.S.A.A.F, 40-45, 1st Lt. Psychotherapy; behavior modification; child clinical psychology. Address: Dept. of Psychology, University of Denver, Denver, Colo. 80210.
- RUTMAN, DR. GILBERT L(IONEL), b. Boston, Mass, May 30, 35; m. 61; c. 2. ECONOMICS. A.B. Boston, 56, M.A. 62; Ph.D.(econ), Duke, 65. Asst. instr. ECON, Duke, 64; instr, 64-65; res. fel. & U.S.-Africa Leader Exchange Prog. res. grant, Rhodes, S.Africa, 65-66; ASST. PROF, Arizona, 66-67; WEST VIRGINIA, 67- Mem, Nat. Bur. Econ. Res, 63- U.S.A.F, 56-59, Capt. Econ. Asn; African Studies Asn. Economy of Tanganyika, especially economic planning; economic development of Bantustans within South Africa; population projection and problems of estimating migration. Publ: The economy of Tanganyika, Praeger, 68; State tradings in Tanganyika, S.African J. Econ, 6/66; co-auth, The cooperative based marketing system of Tanganyika, J. Mkt, 10/67. Address: Dept. of Economics, West Virginia University, Morgantown, W.Va. 26505.
- RUTSCHMANN, DR. J, Exp. Psychol, see 11th ed, Phys. & Biol. Vols.
- RUTTAN, PROF. V(ERNON) W(ESLEY), b. Alden, Mich, Aug. 16, 24; m. 45; c. 3. ECONOMICS. B.A. Yale, 48; M.A. Chicago, 50, Ph.D.(econ), 52. Res. assoc. econ, Chicago, 50-51; indust. economist, indust. econ. br, Tenn. Valley Authority, 51-53, asst. prof. agr. econ, Purdue, 54-56, assoc. prof, 57-60, prof, 60-61; staff economist, coun. econ. adv, Exec. Off. President, 61-63; agr. economist, Rockefeller Found-Int. Rice Res. Inst, 63-65; PROF. AGR. ECON. & HEAD DEPT, MINNESOTA, ST. PAUL, 65- Consult, U.S. Dept. Agr; Ford Found; Stanford Res. Inst. U.S.A. 42-45. Agricultural economics. Regional Sci. Asn; Agr. Econ. Asn.(v.pres, 67-68, pub. awards, Farm Econ. Asn, 62, 66 & 67); Economet. Soc; Econ. Asn; Philippine Econ. Asn. Agricultural development and economics; Southeast Asia. Publ: Technological progress in the meatpacking industry; Agricultural policy in an affluent society, J. Farm Econ, 66; co-auth, Environmental, technological and institutional factor in the growth of rice production: Philippines, Thailand and Taiwan, Food Res. Inst. Studies, 67. Address: Dept. of Agricultural Economics, University of Minnesota, St. Paul, Minn. 55101.
- RUTTENBERG, STANLEY H(ARVEY), b. St. Paul, Minn, Mar. 19, 17; m. 40; c. 3. ECONOMICS. B.S. Pittsburgh, 37. Assoc. dir. res, Cong. Indust. Orgns, 39-48, dir. dept. ed. & res, 48-55; dept. res, Am. Fedn. Labor & Cong. Indust. Orgns, 55-62; spec. asst. to secy, U.S. DEPT. LABOR, 63-65, manpower adminstr, 65-66, ASST. SECY. LABOR & MANPOWER ADMINSTR, 66- Trustee, Joint Coun. Econ. Ed. Mem, Cmn. Money & Credit; bd. dirs, Nat. Bur. Econ. Res; Resources for the Future. U.S.A. 43-46. Econ. Asn; Statist. Asn; Indust. Rels. Res. Asn. Address: 6310 Maiden Lane, Bethesda, Md. 20034.
- RUZICKA, DR. WILLIAM J(OSEPH), b. Baltimore, Md, Dec. 12, 31. CLINICAL PSYCHOLOGY. Ph.B. Loyola Col.(Md), 53; M.Ed. Detroit, 55; U.S. Pub. Health scholar, Ohio State, 55-56, Ph.D. 57. Asst. prof. psychol, Kansas State Col, 57-59; asst. prof. psychol. & clin. psychologist, Kansas, 59-61; chief psychologist, Nev. State Hosp, 61-62; practicing psychologist, 62-; ASSOC. PROF. PSYCHOL, SAN FRANCISCO STATE COL, 62- Psychol. Asn. Theory of reciprocal disintegration; psychotherapeutic disintegration and mental health; psychodiagnostic and psychotherapeutic methodology. Publ: Counseling parents of mentally retarded children; Working with parents and community agencies; Personal perceptions of the phenomenal environment. Address: 703 Welch Rd, Palo Alto, Calif. 94304.
- RYACK, DR. BERNARD L, b. New York, N.Y., Oct. 13, 27; m. 52; c. 1. PSYCHOLOGY. B.S. Connecticut, 51; A.M. Pennsylvania, 53; univ. fel, Massachusetts, 54-56, U.S. Pub. Health Serv. fel, 56-58, Ph.D.(psychol), 59. Instr. psychol, Massachusetts, 57; res. psychologist, aerospace med. lab, Wright Air Develop. Div, Ohio, 58-60; sr. res. psychologist, Labs. Res. & Develop, Franklin Inst, 60-62; ASST. BR. HEAD, HUMAN FACTORS ENG. BR. SUBMARINE MED. RES. LAB, NAVAL SUBMARINE MED. CENTER, CONN, 62- Res. assoc, Nat. Acad. Sci-Nat. Res. Coun, 58-59; assoc. faculty, Mitchell Col.(Conn), 63- U.S.A. 46-47. Psychol. Asn; Human Factors Soc. Problem solving and learning; sensory and perceptual processes; engineering psychology; team performance. Address: 34 Oakwood Rd, Mystic, Conn. 06355.
- RYAN, PROF. BRYCE, b. Youngstown, Ohio, Feb. 16, 11; m. SOCIOLOGY. A.B. Washington, 32; M.A. Texas, 33; Ph.D. Harvard, 40. Asst. res. supvr, Works Progress Admin, 35; asst. prof. sociol, Iowa State Col, 37-44; displaced persons specialist, UNRRA, 44-46; asst. prof. SOCIOL, Rutgers, 46-48; prof. & chmn. dept, Ceylon, 48-52; vis. prof, Cornell, 52-54; vis. lectr, Wayne, 54-55; PROF. & CHMN. DEPT, MIAMI (FLA), 55- Summer vis. prof, Nat. Univ. Colombia, 63. Fel. Sociol. Asn. South Asia; caste system; cultural change. Publ: Caste in modern Ceylon; co-auth, The student looks at his teacher & Sinhalese village. Address: Dept. of Sociology, University of Miami, Coral Gables, Fla. 33124.
- RYAN, DR. CAROLYN J, b. Taunton, Mass, July 30, 38. GEOGRAPHY. B.S. Mass. State Col. Bridgewater, 60; U.S. Steel Found. fel. Clark, 62-64, M.A. 63, Ph.D.(urban geog), 64. Lectr. geog. & asst. ed, Econ. Geog. Clark, 64-65; ASST. PROF. GEOG, CONNECTICUT, 65- Asn. Am. Geog. Asn. Geog. Soc; Regional Sci. Asn. Urban-economic geography; residential land use; consumer travel behavior; Latin American regional geography. Address: Dept. of Geography, University of Connecticut, Storrs, Conn. 06268.
- RYAN, PROF. FREDERICK L(YNNE), b. Dover, N.H., Dec. 9, 93; m. 20. ECONOMICS. B.S. Tufts, 16; Ph.D. California, 30. Assoc. prof. ECON, Oklahoma, 30-37; PROF, SAN DIEGO STATE COL, 46- U.S.A. 17-20, Lt. Econ. Asn. Labor economics; economic theory. Publ: Industrial relations in the San Francisco building trades; Rehabilitation of Oklahoma coal mining communities; Wage policy in Britain, Current Econ. Comment. Address: 231 W. Spruce St, San Diego, Calif. 92103.
- RYAN, PROF. JOHN A(LLEN), b. Kenedy, Tex, Oct. 11, 24; m. 48; c. 2. MARKETING. B.S. Southern California, 46; M.B.A. Texas, 48, Ph.D. 57. Instr. mkt, Texas, 49-52; self employed, 52-53; mgr, Ole Miss Supply, 53-54; asst. prof. bus. admin, Okla. Agr. & Mech. Col, 54-55; econ. & bus. admin, Tex. West. Col, 55-56; Texas, 56-57; PROF. MKT. & HEAD DEPT, TEX. TECH. COL, 57- Participant, Ford Found. Seminar, 61. Consult. U.S.N.R, 43-46, Lt.(jg). Mkt. Asn. Marketing research; statistics; decision theory. Publ: Production and marketing of flax in Texas; Market applications of general indicators. Address: 6404 Memphis Ave, Lubbock, Tex. 79413.
- RYAN, DR. JOHN M(ORRIS), Econ, see 10th ed, Soc. & Behav. Vols.
- RYAN, DR. JOHN WILLIAM, b. Chicago, Ill, Aug. 12, 29; m. 49; c. 3. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A. Utah, 51; M.A. Indiana, 58, Ph.D. 59. Res. analyst, State Dept. Revenue, Ky, 54-55; res. assoc. pub. admin, Univ. Thammasat, Thailand, 55-57; asst. dir. polit. sci, inst. training, Indiana, 57-58; asst. prof, Wisconsin, 59-61, assoc. prof, 61-62, asst. dir. bur. govt, 58-60, assoc. dir, 60-62; secy to bd. & asst. to pres, Massachusetts, 62-63; acad. v.pres, Arizona State, 63-65; CHANCELLOR, MASSACHUSETTS, 65- Consult, eval. Thailand prof, Indiana, 60-; Nat. Inst.

- Develop. Admin, Bangkok, 67. Polit. Sci. Asn; Soc. Pub. Admin; Asn. Asian Studies. Comparative administration, particularly local institutions, central control mechanisms; structure and process changes in American state and local government; academic administration and comparative higher educational systems. Publ: Local government in Thailand; Chap. In: Municipal administration in Thailand. Address: 16 Littell Rd, Brookline, Mass. 02146.
- RYAN, DR. KENNETH BRUCE, b. Sydney, Australia, Dec. 17, 36; m. 61; c. 1. GEOGRAPHY. B.A. Sydney, 58, M.A. 61; dipl.ed, Sydney Teachers' Col, 59; Ph.D.(geog), Australian Nat. Univ, 66. Res. scholar. GEOG, Australian Nat. Univ, 62-65; lectr, Western Australia, 65-66; ASST. PROF, CINCINNATI, 66- N.A.m. rep, Inst. Australian Geogr, 68- Asn. Am. Geog; fel, Am. Geog. Soc. Regional development and small town decline along the south coast of New South Wales; effects of metropolitan growth on rural depopulation; Appalachian regional development. Publ: Contemporary Australia, Duke Univ, 68. Address: Dept. of Geography, University of Cincinnati, Cincinnati, Ohio 45221.
- RYAN, DR. MARTIN D, b. Jan. 26, 33; U.S. citizen; m; c. 5. SOCIOLOGY. B.S. St. Joseph Col.(Ind), 58; M.S. Purdue, 61, Ph.D.(sociol), 67. Instr. SOCIOL, ST. JOSEPH'S COL.(IND), 59-61, asst. prof, 61-66, ASSOC. PROF, 66-, DIR. INST. RES, 67- Sociol. Asn; Asn. Instr. Res. Sociology of education especially understanding of structural effects upon behavior in the school. Address: Dept. of Sociology, St. Joseph's College, Rensselaer, Ind. 47978.
- RYAN, SISTER MARY IMMACULATE, F.M.S.C, b. New York, N.Y., Oct. 22, 99. EDUCATIONAL PSYCHOLOGY, PSYCHOLOGICAL MEASUREMENT. B.A. Fordham, 30, M.A. 32, Ph.D. 41; Temple, 67-68. Prof. psychol. ed. & test measurement, Ladycliff Col, 40-64, dir. guid. dept, 56-57, acad. dean, 60-64; TEACHER, ST. MARIA GORETTI HIGH SCH, 64- Psychol. Asn. Personal-ity problems; teaching techniques. Address: 744 S. Tenth St, Philadelphia, Pa. 19147.
- RYAN, PROF. T(HOMAS) A(RTHUR), b. Batavia, N.Y., Sept. 15, 11; m. 35; c. 2. EXPERIMENTAL & INDUSTRIAL PSYCHOLOGY. A.B. Cornell, 33, Sage scholar, 33-34, Ph.D.(psychol), 37. Asst. psychol, CORNELL, 34-37, instr, 37-42, asst. prof. psychol. & admin. eng, 42-46, assoc. prof, 46-49, PROF. PSYCHOL, 49-, chmn. dept, 53-61. Psychol. Asn; Psychomet. Soc; Statist. Asn; Inst. Math. Statist. Fatigue and effort; perception; interest and motivation. Address: Dept. of Psychology, Morrill Hall, Cornell University, Ithaca, N.Y. 14850.
- RYAN, DR. THOMAS J(OSEPH), b. Fall River, Mass, Oct. 2, 12; m. 41; c. 2. CHILD PSYCHOLOGY. A.B. State Univ. N.Y. 34; M.Ed. Buffalo, 50; Ph.D. (psychol), N.Y. Univ, 56. Teacher, Hendrick Hudson High Sch, N.Y. 34-43; coordinator rehab, Vet. Admin. Hosp, Batavia, 46-50, Montrose, 50-58; sch. psychologist, Carmel Bd. Coop. Ed. Serv, 58-67; DIR. SPEC. ED, PUTNAM COUNTY BD. COOP. ED. SERV, N.Y. 67- Med. Admin. C, 43-46, 1st Lt. Psychol. Asn. Educational administration; rehabilitation of neuropsychiatric patients and of physically handicapped children and adults; diagnosis, guidance and education of atypical children, especially diagnosis of mental dysfunction sub-clinical. Address: 6 Adele Court, Montrose, N.Y. 10548.
- RYAN, DR. THOMAS JOSEPH, b. Montreal, Que, July 9, 35; m. 59; c. 2. EXPERIMENTAL PSYCHOLOGY. A.B. State Univ. N.Y. 34; M.Ed. Buffalo, 50; Ph.D.(child psychol), Iowa, 63. Asst. prof. PSYCHOL, Western Ontario, 63-66; CARLETON (CAN), 66-67, ASSOC. PROF, 67- Res. consult, Children's Psychiat. Res. Inst, Ont, 65-66; consult, Nat. Res. Coun, 65-67; Ont. Ment. Health Found, 65-68; Ont. Dept. Univ. Affairs, 67-68. Psychol. Asn; Soc. Res. Child Develop. Motivational properties of nonreward in children. Publ: The effects of nonreinforcement and incentive value on response speed, Child Develop, 65; Instrumental performance as related to several reward schedules and age, J. Exp. Child Psychol, 66; co-auth, Frustrative nonreward theory applied to children's behavior, Psychol. Bull, 68. Address: Dept. of Psychology, Carleton University, Ottawa, Ont, Can.
- RYAN, DR. WALTER F(RANCIS), b. Walla Walla, Wash, Sept. 13, 08; m. 36; c. 2. ECONOMICS, STATISTICS. A.B. Whitman Col, 30, M.A. Tufts Col, 32, Ph.D.(econ), Cornell, 37. Instr. econ, Cornell, 34-37; Colgate, 37-39; price economist, U.S. Dept. Agr, 39-42; econ. statistician, off. statist. standards, U.S. Bur. Budget, 42-47, asst. chief, 47-57; prin. statist. adv. Tech. Assistance Admin, UN, Philippines, 57-59; DEP. DIR. OFF. STATIST. STANDARDS, U.S. BUR. BUDGET, 59- Vis. prof, Philippines, 57-59. Chmn. U.S. Del. Conf. European Statisticians, 49, 65, 67; mem. Inter-Am. Statist. Inst, 68- Econ. Asn; Statist. Asn. Improvement in the quality and coverage of federal government statistics and the development of statistical standards for use by federal agencies in the presentation of data. Publ: Co-auth, Men, groups and the community, Harper Bros, 40; Standard industrial classification manual, 67 & Standard metropolitan statistical areas, U.S. Govt. Printing Off, 67. Address: Office of Statistical Standards, Executive Office of the President, 17th & Pennsylvania Ave, N.W., Washington, D.C. 20503.
- RYAN, PROF. W(ILL) CARSON, b. New York, N.Y., Mar. 4, 85; m. 08; c. 6. EDUCATIONAL PSYCHOLOGY. A.B. Harvard, 07; Schurz fel, Columbia, 07-10; Ph.D. & Ed.D. George Washington, 18, hon. LL.D. 32. Instr. German, Wisconsin, 11-12; asst. ed, U.S. Bur. Ed, 12-14, ed, 15-57, dir. info. serv, 17-20; educational ed, N.Y. Eve. Post, 20-21; prof. ed. & head dept, Swarthmore Col, 21-30; dir. ed, U.S. Indian Serv, 30-34, planning & res, 34-35; mem. ed. staff, Commonwealth Fund, N.Y. 35-36; staff assoc, Carnegie Found. Adv. Teaching, 36-40; Kenan prof. ED, NORTH CAROLINA, 40-56, EMER. KENAN PROF, 56- Consult, United Serv. to China, 45-47; Fulbright prog. officer, U.S. Dept. State, Europe & Near East, 49-50; U.S. Dept. Health, Ed. & Welfare, 51-; Nat. Asn. Ment. Health, 56; World Fedn. Ment. Health, 56- Ed. High Sch, 40-50; Understanding the Child, 42- AAAS; fel. Pub. Health Asn; Anthropol. Asn; Sociol. Asn; Soc. Res. Child Develop; Asn. Health, Phys. Ed. & Recreation; Acad. Polit. & Soc. Sci. Mental health and education; international relations in education; the American Indian. Publ: Mental health through education; studies in graduate education; co-auth, Elementary educational psychology. Address: 6418 13th St, Alexandria, Va. 22307.
- RYANS, DR. DAVID G(ARRIOTT), b. Jeffersonville, Ind, July 29, 09; m. 35; c. 2. PSYCHOLOGY. B.A. DePauw, 32; M.A. Minnesota, 33, Ph.D.(ed. psychol), 37. Instr. psychol. & dir. testing, Eveleth Jr. Col, 34-37; prof. & dean faculty, William Woods Col, 37-39; exec. secy, coop. test serv, Am. Coun. Ed, 39-42, nat. teacher exams, 39-46, assoc. dir. & dir, 46-48; prof. ed. psychol. & res, California, Los Angeles, 48-58; prof. ed. psychol, chmn. dept. & grad. adv, Texas, 58-61; human factor sr. scientist & head center res. proj. develop, Syst. Develop Corp, 61-64; DIR. ED. RES. CENTER, UNIV. HAWAII, 64- Soc. Sci. Res. Coun. travel grant, 58; Hogg Found. res. grant, 60; lectr, California, Los Angeles, 61-64; summers, instr, Minnesota, 37, vis. prof, 40-41, New Hampshire, 38, Mich. State Col, 42. Consult, human talent prog, Texas, mem, nat. adv. bd, res. & develop center teacher ed, 66-; consult, res. div, U.S. Off. Ed, 63-66, region nine res. off, 67; Head Stat Eval & Res. Center, 66- Res. ed, J. Teacher Ed, 59-; ed. psychol. editor, Chandler Pub. Co, 59- Exec. secy, coop. test serv, Am. Coun. Ed, 39-42; dir. teacher characteristics res, Grant Found. & Am. Coun. Ed, 48-56; spec. exam, bd. exam, Chicago Bd. Ed, 52- Mem. Adv. Coun. Ed. Res, Calif, 49-58; Nat. Cmn. Teacher Exams. Dipl. Am. Bd. Exam. Prinl. Psychol., U.S.N.R., 42-46, Lt. AAAS; fel. Psychol. Asn; Psychonomic Soc; Psychomet. Soc; Int. Asn. Appl. Psychol; Ed. Res. Asn.(v.pres, 60, pres, 61-62); Research Soc; Inter-Am. Soc. Psychol. Criterion analysis; personality measurement; research techniques; behavior theory. Publ: Characteristics of teachers; a research study. Address: Education Research Center, University of Hawaii, 1776 University Ave, Honolulu, Hawaii 96822.
- RYANS, DR. JOHN KELLEY, JR, b. Cynthiana, Ky, Aug. 12, 32; m. 57. MARKETING. A.B.J. Kentucky, 54; M.S. Tennessee, 58; D.B.A. Indiana, 65. Asst. prof. MKT, Memphis State, 59-61; instr, Kentucky, 62; asst. prof, MARYLAND, 64-67, ASSOC. PROF, 67- U.S.A.F. 55-57, Capt. Consumer behavior; manufacturer-dealer relationships; international marketing and communications. Publ: Co-auth, World marketing: a multinational approach, Wiley, 67. Address: Dept. of Business Administration, University of Maryland, College Park, Md. 20740.
- RYBNICEK, PROF. EDWARD H(ENRY), b. New Prague, Minn, July 25, 27; m. 60. SOCIOLOGY. A.B. Denison, 49; D.B. Colgate-Rochester Divinity Sch, 52; M.A. Minnesota, 57, Ph.D. 62. Instr. SOCIOL, exten. div, Minnesota, 58-60; asst. prof, Ind. State Col, 60-62; Mankato State Col, 62-63; asst. soc. prof, Carroll Col.(Wis), 63-66; prof. & chmn. dept, Northern Arizona, 66-68; PROF, CHAPMAN COL, 68- Assoc. dir, Dept. Community Relig. Res, N.Y. 56-57; instr, Hamline, 59-60. U.S.N.R., 45-46, 52-54, Lt. Sociol. Asn; Soc. Appl. Anthropol. Social organization. Address: Dept. of Sociology, Chapman College, Orange, Calif. 92666.
- RYCHLAK, PROF. JOSEPH F(RANK), b. Cudahy, Wis, Dec. 17, 28; m. c. 1. CLINICAL PSYCHOLOGY. B.S. Wisconsin, 53; M.A. Ohio State, 54, Ph.D. 57. Asst. instr. PSYCHOL, Ohio State, 58-57; asst. prof, Fla. State, 57-58; Washington State, 58-61; assoc. prof, ST. LOUIS, 61-65, PROF, 65- Res. consult, Am. Tel. & Tel. Co; consult, Vet. Admin; Child Guid Clins, St. Louis, 61- U.S.A.F. 46-49. Fel. Psychol. Asn; fel. Soc. Proj. Tech. Personality formation and manifestation as reflected in projective phantasy; small group behavior; psychotherapy. Publ: A philosophy of science for personality theory, Houghton, 68; Reinforcement value, J. Personality, 66. Address: Dept. of Psychology, St. Louis University, 221 N. Grand Blvd, St. Louis, Mo. 63103.
- RYDEN, PROF. ENAR R(UDOLPH), b. El Campo, Tex, Mar. 29, 05; m. 40; c. 3. EDUCATIONAL PSYCHOLOGY. B.A. Augsburg Col, 29; Rockefeller Found. fel, Northwestern, 44-46, Ph.D.(ed), 47. Asst. prof. psychol, Purdue, 47-50, assoc. prof, 50-56; leader training & res, State Coop. Exten. Serv, Ind, 56-65; PROF. PSYCHOL, MARYLAND, 65- Consult, Allegany Community Col, 66-67; Govt. of D.C. 67-; Georges Creek Proj, Frostburg, Md, 67- Psychol. Asn. Life history approach to the identification of leadership potential; teaching-learning-evaluation system. Publ: Co-auth, Study manual in educational psychology & Growth, teaching and learning; auth, Handbook on community development, Univ. Maryland, 67. Address: 1314 Dale Dr, Silver Spring, Md. 20910.
- RYDER, PROF. N(ORMAN) B(URSTON), b. Can, Aug. 24, 23; m. 47; c. 2. SOCIOLOGY. B.A. McMaster, 44; M.A. Toronto, 46; Milbank Mem. Fund fel, Princeton, 47-50, A.M. 49, Ph.D.(sociol), 51. Demographer, Dom. Bur. Statist, Ottawa, 50-51; lectr. sociol. & statist, Toronto, 51-54; demographer, Scripps Found. Res. Pop. Probs, Miami (Ohio), 54-56; asst. prof. SOCIOL, WISCONSIN, 56-58, assoc. prof, 58-61, PROF, 61- Co-dir, Nat. Fertility Study, 65- Ed. Am. Sociol. Rev, 65- R.C.N. 43-45. Sociol. Asn; Statist. Asn; Pop. Asn; Can. Econ. Asn; Int. Union Sci. Study Pop. Demography; methodology. Address: Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.
- RYERSON, PROF. FRANK E, b. Holton, Kans, Aug. 9, 21; m. 43; c. 3. BUSINESS COMMUNICATION. B.A. Iowa, 47, M.A. 49, Ph.D.(mass commun), 57. Asst. eng. writing, Iowa, 47-49; instr. English, Brainerd Jr. Col, 49-51; asst. prof. eng. English, Speed Sci. Sch, Louisville, 51-57; BUS. COMMUN, Mich. State, 57-62; PROF, ALABAMA, 62- U.S.A.A.F. 42-45, T/Sgt. AAAS; Soc. Eng. Ed; Nat. Coun. Teachers English. Theory of interpersonal communication. Publ: Let's broaden our perspective in technical writing, ABWA Bull, 3/62; Bibliography of works related to a theory of interpersonal communication, J. Bus. Commun, 3/66. Address: Dept. of Marketing, University of Alabama School of Commerce, University, Ala. 35486.
- RYLAND, GLADYS, Soc. Work, see 10th ed, Soc. & Behav. Vols.
- RYMES, PROF. THOMAS K(ENNETH), b. Toronto, Ont, Oct. 24, 32; m. 56; c. 3. ECONOMICS. B.A. Manitoba, 55; Can. Coun. & Earhart fels. & M.A. McGill, 58. Statistician, Dom. Bur. Statist, 58-63; asst. prof. ECON, CARLETON (CAN), 63-65, ASSOC. PROF, 65- Can. Econ. Asn. Capital theory. Address: Dept. of Economics, Carleton University, Ottawa 1, Ont, Can.
- RYMPH, DR. RAYMOND C, b. Wichita, Kans, June 10, 35; m. 62; c. 1. SOCIOLOGY, DR. SOCIAL PSYCHOLOGY. A.B. Grinnell Col, 57; M.A. Vanderbilt,

61, Ph.D.(sociol), 65. Asst. prof. SOCIOL, Tennessee, 60-63; lectr, Vanderbilt, 63-64; instr, PURDUE, 64-65, ASST. PROF, 65- U.S.A.R, 57-63. Sociol. Asn. Small groups; racial and ethnic relations; sociology of religion. Publ: Co-auth, The marching ministers, Trans-Action, 10/66 & Social structure and civil rights involvement, Social Forces, 10/66. Address: Dept. of Sociology, Purdue University, West Lafayette, Ind. 47907.

RYSKAMP, DEAN H(ENRY) J(ACOB), b. Grand Rapids, Mich, Nov. 3, 93; m. 23; c. 3. SOCIOLOGY. A.B, Michigan, 16, A.M, 17, scholar, 18, Ph.D, 30. Prof. econ. & sociol, CALVIN COL, 21-64, acad. dean, 41-64, EMER. DEAN, 64- Sociol. Asn. Dutch immigration to Michigan. Address: 1201 Sherman St. S.E, Grand Rapids, Mich. 49506.

RYSS, MURRAY, b. Paterson, N.J, June 13, 19; m. 40; c. 2. ECONOMICS. B.A. Brooklyn Col, 41; M.A. American Univ, 56. Economist commercial policy, U.S. Govt, 56-61; prin. adminstr, Orgn. Econ. Coop. & Develop, 61-64; DEP. DIR, OFF. INT. ECON. ACTIVITIES, U.S. DEPT. TREAS, 64- Adv, U.S. Del. 12th, 14th, 16th, 23rd & 24th sessions of the contracting parties to Gen. Agreement Tariffs & Trade; U.S. Del. to Kennedy Round, 65-67. U.S.A, 43-46. Econ. Asn. International trade and finance; monetary theory. Address: 931 Loxford Terr, Silver Spring, Md. 20901.

RYTHER, DR. THOMAS E, b. Lawrence, Kans, Aug. 13, 33; m. 63; c. 2. SOCIOLOGY. B.A, Kansas, 55, M.S, 56; M.A, Stanford, 62, Ph.D.(sociol), 65. ASST. PROF. SOCIOL, Washington (Seattle), 64-65; SAN FRANCISCO STATE COL, 65- Res. assoc. pediat, med. sch, Stanford, 66-67. U.S.A.R, 56-62. Sociol. Asn; Soc. Study Social Probs. Social psychology of health and illness; medical organization; community structure; urban organization. Address: Dept. of Sociology, San Francisco State College, San Francisco, Calif. 94132.

RYWKIN, DR. MICHAEL, For. Lang, Polit. Sci, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

RZASA, DR. MICHAEL J(OSEPH), Chem. Eng, see 11th ed, Phys. & Biol. Vols.

S

SAALBACH, PROF. WILLIAM F, b. Pittsburgh, Pa, Aug. 22, 21; m. 47; c. 3. ECONOMICS, INDUSTRIAL RELATIONS. B.S, Pittsburgh, 43, Litt.M, 49, Ph.D.(bus. admin), 60. Asst. to dean men, Pittsburgh, 46-52, lectr. metall. eng, 48-49; PERSONNEL SUPVR. RES. DIV, CONSOL. COAL CO, 52-; PROF. ECON. WASHINGTON & JEFFERSON COL, 60- U.S.N.R, 44-46. Economic theory; personnel administration; industrial relations. Publ: U.S. bituminous coal markets: trends since 1920 and prospects to 1975, Univ. Pittsburgh, 60. Address: Dept. of Economics, Washington & Jefferson College, Washington, Pa. 15301.

SAARINEN, DR. THOMAS, b. Calgary, Alta, July 17, 34. GEOGRAPHY. B.Sc, Alberta, 56; M.A, Chicago, 63, Ph.D.(geog), 66. Social worker & probtn. officer, Children's Aid Dept, Alta, 59-60; urban res, City Planning Dept, Calgary, 61-63; ASST. PROF. GEOG, ARIZONA, 65-, acting head dept, 67-68. Lectr, Indiana, East Chicago, 62-64. Asn. Am. Geog. Application of psychological techniques in geographic research, especially in urban geography and resource management. Publ: The changing office functions of Calgary's CBD, City of Calgary Planning Dept, 64; Perception of the drought hazard in the Great Plains, 66 & Attitudes toward weather modification of Great Plains farmers, 66, Univ. Chicago. Address: Dept. of Geography, University of Arizona, Tucson, Ariz. 85721.

SABAGH, PROF. G(EORGES), b. Baghdad, Iraq, Dec. 10, 19; nat. SOCIOLOGY. A.B, California, 41, A.M, 43, Ph.D, 51; Soc. Sci. Res. Coun. fel, 46-47. Instr, Princeton, 47-48; asst. prof. SOCIOL, Washington (Seattle), 48-52; Southern California, 52-56, assoc. prof, 56-64; PROF, CALIFORNIA, LOS ANGELES, 64- Guggenheim fel, 61-63. Pop. Asn; Sociol. Asn; Statist. Asn; Asn. Ment. Deficiency; Int. Union. Sci. Study Pop. Demography; social statistics. Address: Dept. of Sociology, University of California, 405 Hilgard Ave, Los Angeles, Calif. 90024.

SABATH, DR. GERALD, b. Rock Island, Ill, May 20, 29. PSYCHOLOGY. A.B, Illinois, 51; A.M, Columbia, 53; Ph.D.(psychol), Adelphi, 60; cert. psychother. & psychoanal, Postgrad. Center Ment. Health, 66. Psychologist, Dept. Correction, N.Y, 55-60; founder & dir, Village Aid & Serv. Center, 60-62; PSYCHOANALYST, 62- Psychol. Instr, U.S. Armed Forces Inst, Far East, 54; mem. faculty, New Sch. Soc. Res, 63-; lectr, Center Inst, Bayonne Jewish Community Center, 65. Psychologist, Ment. Health Consult. Center, N.J, 59-61; from assoc. psychologist to res. staff mem. & lectr, Postgrad. Center Ment. Health, 61- Consult, Little Red Sch. House, 59-60. Gralnick Found. award, 62. U.S.A, 53-55. Fel. AAAS; Psychol. Asn; fel. Orthopsychiat. Asn; Group Psychother. Asn; Sociol. Asn; Soc. Proj. Tech; Nat. Coun. Crime & Delinquency; fel. N.Y. Acad. Sci; fel. Royal Soc. Med; fel. Int. Coun. Psychol. Individual and group psychoanalytic psychotherapy; historical development of depth thinking about man; treatment of character disorders, including drug addiction and anti-social behavior. Publ: Intertransference: transference relationships between members of the psychotherapy team, Int. J. Group Psychother, 62; Parental negative suggestion as a stimulus for anti-social behavior, Corrective Psychiat. & J. Soc. Ther, 65; Some trends in the treatment and epidemiology of drug addiction: psychotherapy and synanon, Psychother: Theory, Res. & Practice, 67. Address: 103 E. 86th St, New York, N.Y. 10028.

SABATINO, PROF. RICHARD A(LBERT), b. Windber, Pa, June 28, 16; m. 50; c. 2. ECONOMICS. B.S, Temple, 40; A.M, Pennsylvania, 48, Ph.D, 50. Instr. ECON, Pennsylvania, 48-50; asst. prof, Southern Methodist, 50-52; assoc. prof, RHODE ISLAND, 52-56, PROF, 56-, CHMN. DEPT, 65- Ford fel, Harvard, 54-55; Nat. Sci. Found. sci. res. fel, 64-65. U.S.A, 42-45, Capt. Econ. Asn. Government in the economy; housing and housing policy; economic theory. Publ: Housing in Great Britain; Rent control policy in Great Britain, Land Econ: The responsible corporation, Am. J. Econ. & Sociol, 66. Address: 30 Bayberry Rd, Kingston, R.I. 02881.

SABBAGH, DR. MICHAEL E, Geog, Climat, see 11th ed, Phys. & Biol. Vols.

SABEH, RAYMOND, b. Brooklyn, N.Y, Oct. 18, 24; m. 61. EXPERIMENTAL PSYCHOLOGY. M.A, Ohio, 50. Res. psychologist, U.S. AIR FORCE, Wright Air Develop. Center, Wright Patterson Air Force Base, Ohio, 51-55; exp. psychologist, Rome Air Develop. Center, Griffiss Air Force Base, N.Y, 55-60; electronics sys. div, L.G. Hanscom Field, 60-63, COMMAND & CONTROL SPECIALIST OPERS. RES, DEFENSE COMMUN. AGENCY, 63- Mem. working group visual displays, Nat. Acad. Sci. Armed Forces-Nat. Res. Coun. Cmt. Vision, 61. U.S.A, 43-45, Res, 45-, Maj. Psychol. Asn. Formulation of man-machine system requirements; translation of operational requirements to technical requirements; analysis of informational requirements system design and evaluation. Publ: Operator fatigue and fighter range extension, Wright Air Develop. Command Tech. Report; Comparisons of a single operators performance on a tracking task, Wright Air Develop. Command Tech. Note; Shape discrimination as a function of area and luminance, Air Res. & Develop. Command Tech. Report. Address: 8212 Dabney Ave, Springfield, Va. 22150.

SABEN, SAMUEL, b. Newark, N.J, May 5, 14; m. 41; c. 2. ECONOMICS, STATISTICS. B.A, Rutgers, 37; fel, Arizona, 37-38, M.A, 40; Columbia; N.J. Law Sch. Instr. econ, Rutgers, 46-51, lectr, 49-51; bus. economist, U.S. Dept. Commerce, 51-53; prog. specialist int. econ, Pan Am. Union, 54; econ. statistician, U.S. Bur. Census, 55; anal. statistician, U.S. Dept. Army, 55-60; labor economist, U.S. Dept. Labor, 60-67; MANPOWER ECONOMIST, OFF. OF SECY. DEFENSE, 67- U.S.A, 41-45. Econ. Asn; Statist. Asn. Statistical methods; manpower control; labor economics. Publ: Scientific and technical personnel in industry 1960; Geographic mobility and employment status, 64 & Occupational mobility of employed workers, 67, Monthly Labor Rev. Address: 2905 Radius Rd, Silver Spring, Md. 20902.

SABGHIR, AARON S, b. Brooklyn, N.Y, Apr. 21, 21; m. 42; c. 4. ECONOMICS, STATISTICS. B.S.S, City Col. New York, 41; Columbia, 41-42; American Univ, 46-50. Head sampling anal. sect, Off. Price Admin, 42-46; statistician, U.S. Bur. Census, 46-51, 53-55; chief surv. rev. div, Off. Price Stabilization, 51-53; sr. construct. economist, BUS. & DEFENSE SERV. ADMIN, U.S. DEPT. COMMERCE, 55-61, dir. prog. develop. staff, 62-63, DEP. DIR. BLDG. MAT. & CONSTRUCT. INDUSTS. DIV, 63- Silver medal, U.S. Dept. Commerce, 67. Statist. Asn. Sampling theory and survey design; construction industry economics; market research. Address: 723 Lowander Lane, Silver Spring, Md. 20901.

SABGHIR, PROF. IRVING H, b. New York, N.Y, July 17, 26; m. 50; c. 3. ECONOMICS, INDUSTRIAL RELATIONS. B.A, Cornell, 49; M.P.A, Harvard, 51, Ph.D.(polit. econ. & govt), 56. Labor analyst, Nat. Wage Stabilization Bd, 51-52; labor economist, U.S. Dept. Labor, 52-54; indust. rels. specialist, Ford Motor Co, 54-65; PROF. INDUST. RELS, STATE UNIV. N.Y. ALBANY, 65- Mem. arbit. panel, Fed. Mediation & Conciliation Serv, Am. Arbit. Asn. & N.Y. State Bd. Mediation, 67-; panel factfinders & mediators, N.Y. State Pub. Employ. Rels. Bd, 68- U.S.N, 44-46. Arbit. Asn. Labor economics, including collective bargaining in private and public sectors; various aspects of early retirement. Address: Dept. of Management, State University of New York at Albany, 1400 Washington Ave, Albany, N.Y. 12203.

SABINE, CORNELIA M(ANLEY), b. Elgin, Ill; wid. COUNSELING PSYCHOLOGY. A.B, Colo. Col, 49, A.M, 50; Ed.S, Stanford, 54. Res. assoc. counseling, Stanford, 54-55; Colo. Col, 57-59; counsr, counseling center, Southwestern at Memphis, 59-60; PSYCHOLOGIST & THERAPIST, PIKES PEAK MENT. HEALTH CENTER, 60- Psychol. Asn; Rehab. Asn. Analysis of data obtained from individual and group testing procedures; effectiveness of psychological instruments in prediction of behavior; family and marital counseling; psychological tests for the disabled in Colorado. Address: 20 W. Espanola, Colorado Springs, Colo. 80907.

SABINE, DR. GORDON A(THUR), b. Brocton, Mass, Feb. 10, 17; m. 41; c. 4. COMMUNICATIONS. A.B, Wisconsin, 39, A.M, 41; Ph.D.(polit. sci), Minnesota, 49. Instr. journalism, Kansas, 45-46, asst. prof, 46-47; lectr, Minnesota, 47-48; asst. prof, Oregon, 48-50, assoc. prof, 50-52, prof, 52-55, dean sch. journalism, 50-55; PROF. COMMUN. ARTS, MICH. STATE, 55-, V.PRES. SPEC. PROJ, 60-, dean col, 55-60. Prof-in-residence, Time, Inc, 51; Carnegie grant, 52; Borah lectr, Idaho, 52. U.S.A, 42-45, Lt. Mass communications process; public opinion; higher education administration. Address: 318A Administration Bldg, Michigan State University, East Lansing, Mich. 48823.

SABOTA, PROF. LEO M(ARCEL), b. Browerville, Minn, Sept. 8, 24; m. 46; c. 2. POLITICAL SCIENCE. B.A, Minnesota, 57; M.A, Fletcher Sch. Law, 61; Ph.D.(polit. sci), Tennessee, 68. ASSOC. PROF. POLIT. SCI, TENN. WESLEYAN COL, 65- U.S.N, 43-65, Comdr. Polit. Sci. Asn. International law particularly as related to international military commitments and practices. Address: Dept. of Political Science, Tennessee Wesleyan College, Athens, Tenn. 37303.

SABSHIN, DR. MELVIN, b. New York, N.Y, Oct. 28, 25. MEDICINE, PSYCHIATRY. B.S, Florida, 44; M.D, Tulane, 48. Res. psychiatrist, Psychosom. & Psychiat. Inst, Michael Reese Hosp, Chicago, Ill, 53-55, asst. dir. PSYCHIAT, 55-57, assoc. dir, 57-61; PROF. & HEAD DEPT, COL. MED, ILLINOIS, CHICAGO, 61- U.S. Pub. Health Serv. fel. psychiat. res, Tulane, 52-53; fel. Center Adv. Study Behav. Sci, 67-68. Consult, Presbyterian-St. Luke's Hosp, Chicago, Ill, 61- Chmn. cmn. methods, Conf. Psychiat. & Med. Ed, 66-67. AAAS; Nat. Asn. Ment. Health; Psychiat. Asn; Psychosom. Soc; Psychiat. Res. Soc.(chmn, 67-68); Col. Psychiat; Am. Med. Asn; Group Adv. Psychiat; Sociol. Asn. Development of theoretical constructs in defining social psychiatry, indicating its similarities to and differences from social psychology and delineating research strategies; psychosomatic research, especially development of empirical basis for normality studies. Publ: Co-auth, Phenomena of depressions, Harper, 61; Psychiatric ideologies and institutions, Free Press Glencoe, 64; Normality: theoretical and clinical concepts of mental health, Basic Books, 66. Address: Dept. of Psychiatry, University of Illinois at the Medical Center, P.O. Box 6998, Chicago, Ill. 60680.

- SACHAR, DR. EDWARD J. b. St. Louis, Mo, June 23, 33. PSYCHIATRY, ENDOCRINOLOGY. A.B. Harvard, 52; M.D. Pennsylvania, 56. Resident psychiatrist, Mass. Ment. Health Center, 57-59, sr. res. psychiatrist, 62-66; res. psychiatrist, Walter Reed Army Inst. Res., 59-61; resident, Beth Israel Hosp., Boston, 61-62; assoc. psychiatrist, Harvard Med. Sch., 63-66; ASSOC. ATTEND. PSYCHIATRIST, MONTEFIORE HOSP., 66-; ASSOC. PROF. PSYCHIAT, ALBERT EINSTEIN COL. MED., 67- Nat. Inst. Ment. Health res. grants, 63- U.S.A., 59-61, Capt. Psychiat. Asn; Psychosom. Soc; Psychiat. Res. Soc. Psychoendocrinology. Publ: Psychoendocrine aspects of acute schizophrenic reactions, Psychosom. Med, 11/63; Corticosteroid responses to psychotherapy of depressions, 4/67 & Corticosteroids in depressive illness, 11/67, Arch. Gen. Psychiat. Address: Montefiore Hospital, 111 E. 210th St, Bronx, N.Y. 10467.
- SACHS, DR. EUGENE, Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.
- SACHS, DR. KENNETH S. b. Philadelphia, Pa, Jan. 12, 41. CLINICAL PSYCHOLOGY. B.A. Temple, 62; Ph.D.(clin. psychol), Baylor, 68. Psychologist, Univ. Pennsylvania Hosp., 63-64; Mexia State Sch, Mexia, Tex, 64-65 & 66; McLennan County Rehab. Center, Waco, 65-66; clin. psychol. intern, Spring Grove State Hosp., Baltimore, Md, 66-67; CLIN. PSYCHOLOGIST, DEPT. DEFENSE, 68- Psychotherapy; test construction; physiological indices. Address: 5434-A Jamestown Court, Baltimore, Md. 21229.
- SACHS, DR. LISBETH J(OSEPHINE), Psychiat, see 11th ed, Phys. & Biol. Vols.
- SACHS, RONALD A, Toxicol, Psychol, see 11th ed, Phys. & Biol. Vols.
- SACKMAN, DR. HAROLD, b. New York, N.Y., May 11, 27; m. 51; c. 3. PSYCHOLOGY. B.S. City Col. New York, 48; M.A. Columbia, 49; Ph.D. Fordham, 53. Asst. human factors, Psychol. Res. Assocs, 52-53; scientist SYST. DEVELOP. CORP., 53-55, group head syst. training prog., 55-59, Sage comput. prog., 60-61, SR. HUMAN FACTORS SCIENTIST, 61-62, man-comput. commun., 62-63, prnl. & tech. training, 64-65, space syst. planning, 66, USER STUDIES IN TIME SHARING, 67- U.S.N.R., 45-46. AAAS; Asn. Comput. Mach; Psychol. Asn. Experimental design; statistics; system design, training and capacity studies; man-computer communication. Publ: Computers, system science and evolving society, 67 & System testing and evaluation, In: Developing computer-based information systems, 67, Wiley. Address: 2500 Colorado Ave, Santa Monica, Calif. 90406.
- SACKREY, DR. CHARLES MELVIN, b. Sacramento, Calif, July 19, 36; m. 60; c. 3. ECONOMICS. B.A. Texas, 61, M.A. 63, Ph.D.(econ), 65. Teaching asst. ECON, Texas, 61-64, instr., 64-65; ASST. PROF., Ithaca Col., 65-67; SMITH COL., 68- U.S.M.C., 56-58. Asn. Evolutionary Econ; Econ. Asn. International air transportation, especially the American industry. Publ: Overcapacity in the U.S. international air transport industry, J. Air Law & Commerce, winter, 66. Address: Dept. of Economics, Smith College, Northampton, Mass. 01060.
- SACKRIN, SEYMOUR M(ELVYN), b. New York, N.Y., June 22, 15; m. 47; c. 2. ECONOMICS, STATISTICS. B.A. Brooklyn Col., 36, M.A. 39. Instr. econ, Brooklyn Col., 38-39; econ. & econ. geog. City Bd. Ed, N.Y., 39-42; statistician, Forest Serv., 42; economist econ. of rationing, U.S. Off. Price Admin., 43-45; int. economist for. trade anal, U.S. Dept. Commerce, 46-51; economist commodity price anal, Off. Price Stabilization, 51-53; agr. econ. statistician commodity anal, U.S. Dept. Agr., 54-68; INT. ECONOMIST, U.S. TARIFF CMN., 68- Econ. Asn; Agr. Econ. Asn. Commodity analysis, especially econometric analysis of factors affecting demand, supply and price. Publ: Co-auth, Tobacco smoking in the United States in relation to income; Income elasticity of demand for cigarettes: a cross-section analysis & Measuring the relative influence of acreage and yield changes on crop production, Agr. Econ. Res. Address: 816 Talbert Lane, Hyattsville, Md. 20783.
- SACKS, PROF. I(SAAC) MILTON, b. Bronx, N.Y., May 13, 19; m. 55. POLITICAL SCIENCE. B.S. City Col. New York, 42; California, 43-44; American Univ., 48-49; Cowles fel. Yale, 50-51, A.M., 51, Ph.D., 60; Soc. Sci. Res. Coun. fel. France, 52-54. Res. analyst, Southeast Asia & int. communism, U.S. Dept. State, 46-51; asst. prof. sci. Yale, 51-52; Southeast Asia studies, 54, instr. Am. govt, 55; BRANDEIS, 55-58, asst. prof., 58-59, ASSOC. PROF. POLIT. SCI., 60-, dean students, 62, chmn. polit. dept., 62-63. Vis. lectr., Haverford Col. & Swarthmore Col., 59-60. Consult, Library of Cong., 50; human rels. area files, Yale, 55. U.S.A., 42-46. Polit. Sci. Asn; Asn. Asian Studies. Comparative government; international Communism; Indochina. Publ: Political alignments of Vietnamese Nationalists; Communist strategy in southeast Asia; Marxism in Viet Nam. Address: Dept. of Politics, Brandeis University, Waltham, Mass. 02154.
- SACKS, DR. JAMES MALCOLM, b. Akron, Ohio, May 28, 28. PSYCHOLOGY. Ph.B. Chicago, 47, A.M., 52, Ph.D.(human develop), 57. Asst. psychol., Chicago, 52-53; intern, Manteno State Hosp., Ill., 53-55, psychologist, 55-57; chief psychologist, New York Neuropsychiat. Center, 57-59; sr. psychologist, Brooklyn Community Counseling Center, 57-64; PRIVATE PRACTICE, 64- Lectr., Brooklyn Col., 59-62; dir. psychodrama, Moreno Inst., 60-; instr., State Univ. N.Y. Downstate Med. Center, 63-64. Nat. Guard, 48-58, Sgt. Psychol. Asn; Soc. Group Psychother. & Psychodrama; fel. Int. Coun. Psychol. Theory of delusions; psychodrama; group and individual psychotherapy. Publ: Psychodrama and psychoanalysis & The judgement technique in psychodrama, 3/65, Group Psychother; Vulnerability to mass media, In: Speaking of reading. Address: 97 Columbia Heights, Brooklyn, N.Y. 11201.
- SACKS, DR. JOSEPH M(ERVIN), b. New York, N.Y., Oct. 24, 13; m. 39; c. 2. PSYCHOLOGY. B.S. N.Y. Univ., 34, Ph.D., 48; M.A. Pennsylvania, 35. Trainee clin. psychol., Vet. Admin. Ment. Hyg. Clin., 46-48, clin. psychologist, 48-50; VET. ADMIN. HOSP., Montrose, N.Y., 50, 52-54, chief clin. psychologist, Brockton, Mass., 55-60, CHIEF PSYCHOLOGIST, FRESNO, 60- Clin. assoc. grad. sch. Boston, 55-60; lectr., Fresno State Col., 61- Dipl. Am. Bd. Exam. Prnl. Psychol., 49. U.S.A., 50-52, 53-56, Capt. Fel. Psychol. Asn. Projective techniques; association tests; group psychotherapy. Publ: Transitional programs for psychiatric patients, Ment. Hyg; Changes in perception and interaction in group therapy, Group Psychother; Sentence completion test, In: Handbook of projective techniques, Basic Books, 65. Address: Veterans Administration Hospital, Fresno, Calif. 93703.
- SACKS, PROF. LEONARD SANFORD, Ed. Psychol, see 10th ed, Soc. & Behav. Vols.
- SACKS, PROF. SEYMOUR, b. New York, N.Y., May 16, 23; m. 55; c. 3. ECONOMICS. B.S.S. City Col. New York, 43; M.A. Columbia, 47, Ph.D.(econ), 55. Instr., Long Island, 49; asst. prof., Wayne, 45-55; Vermont, 55-57; economist in charge, govt. cost study, Cleveland Metrop., 57-58; assoc. prof. ECON, Rensselaer Polytech, 58-62; SYRACUSE, 62-65, PROF., 65- Chief munic. res. State Dept. Audit & Control, N.Y., 60-62. Consult, State Dept. Audit Control, N.Y., 60- Mem. Adv. Cmn. Intergovt. Rels., 67. U.S.A., 43-45. Am. Econ. Asn; Econ. Hist. Asn; Royal Econ. Soc. Public finance; economic history; metropolitan economics. Publ: Co-auth, Financing government in the Cleveland metropolitan area; Metropolitan America: fiscal patterns and governmental systems, Macmillan, 67; auth, Federal tax estimates, 1923-1939. Address: Syracuse University, 607 University Ave, Syracuse, N.Y. 13210.
- SADDLEMIRE, DEAN GERALD L(ISLE), b. Utica, N.Y., July 24, 20; m. 46; c. 4. PSYCHOLOGY. B.A. State Teachers Col., Albany, 41; M.A. Columbia, 47, Ed.D.(guid), 49. Dir. counseling, Wittenberg Col., 49-52, community ed., 51-52; dean students, State Univ. N.Y. Col. Geneseo, 52-67; PROF. ED. PSYCHOL. & GUID, STATE UNIV. N.Y. ALBANY, 67- U.S.N., 42-46, Lt. Psychol. Asn. Identification and training of executive talent; identification of the factors which contribute to academic success in a single purpose institution; study of appropriate ways to develop moral and spiritual values in a state-supported institution. Publ: Occupations in the new student personnel administration; Current view of men student personnel administrators, Proc. Nat. Asn. Deans & Adv. Men. Address: Temple Hill Acres, Geneseo, N.Y. 14454.
- SADDLER, DR. LAURENCE E(VART), b. Appleton City, Mo, Aug. 16, 18; m. 49; c. 4. COUNSELING PSYCHOLOGY. B.S. Cent. Mo. State Col., 41, B.S.E., 46; M.A. Missouri, 47, D.Ed., 49. Teacher, pub. schs, Mo., 37-42; instr. & counsr., Missouri, 46-49; dir. student personnel, St. Cloud State Col., 49-53; partner & counseling psychologist, William, Lynde & Williams, Painesville, Ohio, 53-63; mgr. indust. rels., Midland Div, DOW CHEM. CO., 63-66, DIR. CORP. ED., 66- Summer lectr., Michigan, 51, 53. Chem.C., U.S.A., 42-46. Personnel & Guid. Asn; Psychol. Asn. Individual executive development and industrial organization development through the dynamics of counseling psychology techniques. Publ: Counseling psychologist, in business and industry; the setting and ground rules; A belief for managers. Address: 3611 Applewood Rd, Midland, Mich. 48640.
- SADLER, DR. E(MORY) WELCH, b. Greensboro, N.C., July 22, 40; m. 66. PSYCHOLOGY. B.Prod.Design, N.C. State, 63, M.S., 65; Ph.D.(psychol), Emory, 67. ASST. PROF. PSYCHOL, DRAKE, 67- General and experimental psychology; learning and classical conditioning; human learning; scientific method and experimental design; mathematical models. Publ: Co-auth, Compound stimulus effects in higher-order salivary conditioning, Sci. Pub. House, U.S.S.R., 66; auth, A within and between subjects comparison of partial reinforcement in classical salivary conditioning, J. Comp. & Physiol. Psychol. (in press). Address: Dept. of Psychology, Drake University, Des Moines, Iowa 50311.
- SADLER, ERNEST E(LMORE), b. Brooklyn, N.Y., May 15, 32; m. 55; c. 4. ENGINEERING PSYCHOLOGY. B.A. Massachusetts, 59, M.S., 61. Res. engr. HUMAN FACTORS, AUTONETICS, N.A.M. ROCKWELL, INC., 61-65, sr. res. engr., 65-67, MEM. TECH. STAFF, 67- U.S.N., 49-54. Psychol. Asn; Human Factors Soc; Soc. Eng. Psychol. Application of human factors principles and experimental design knowledge to the field of simulation and study of man/machine systems. Publ: Co-auth, Effects of range of payoffs as a variable in risk taking, 11/60 & Effects of exposure time and density on visual symbol identification, 4/62, J. Exp. Psychol; co-auth, Loudness adaptation as a function of frequency, intensity and time, J. Psychol., 4/66. Address: 405 S. West St, Anaheim, Calif. 92805.
- SADLER, DR. HENRY HARRISON, JR, Psychiat, see 11th ed, Phys. & Biol. Vols.
- SADLER, PROF. JAMES B(ERTRAM), b. Albuquerque, N.Mex, Mar. 29, 11; m. 38. PSYCHOLOGY. B.D., Crozer Theol. Sem., 41, Th.M., 48; M.A. Pennsylvania, 41, Ed.D.(guid), 59. PROF. PSYCHOL, SIOUX FALLS COL., 61- U.S.A.F., 43-48, Maj. Personnel & Guid. Asn; Psychol. Asn; Soc. Sci. Study Relig. Attitude measurement; hypnosis; human learning. Publ: Attitudes toward the church as a helping agency, Library Cong. Microfilm, 59-6754. Address: Dept. of Psychology, Sioux Falls College, Sioux Falls, S.Dak. 57101.
- SADNAVITCH, PROF. JOSEPH M(ATTHEW), b. West Frankfort, Ill, Jan. 1, 29; m. 50; c. 3. EDUCATIONAL PSYCHOLOGY. B.S. Southern Illinois, 52, M.S., 54; Ed.D.(ed. psychol), Nebraska, 58. Asst. prof. ed. & psychol, Kans. State Col., 58-60; assoc. prof. ed. psychol. & consult. spec. ed., Northern Illinois, 60-61, assoc. prof. spec. ed. & head dept., 61-66; dir. spec. ed. serv., Dixon State Sch., Ill., 66-67; PROF. SPEC. ED., ARKANSAS, 67- Lectr., DePaul, 67. Mem. Coun. Except. Children, 52. U.S.N., 46-48. Psychol. Asn; Asn. Ment. Deficiency. Measurements; mental retardation; audio-visual experimentation; test construction. Co-auth, Filmed science courses in the public schools: an experimental appraisal, Sci. Ed. Measurement of Spanish achievement in the elementary school, Modern Lang. J. & A foster grandparent program, Hosp. & Community Psychiat, 2/68. Address: Dept. of Special Education, University of Arkansas, Fayetteville, Ark. 72701.
- SAENGER, DR. GERHART H, b. Berlin, Germany, Mar. 18, 10; nat. SOCIAL PSYCHOLOGY. Ph.D.(philos), Basel, 35; Columbia, 37-38. Dir. studies on enemy aliens, Off. War Info, 42; res. dir. soc. res. lab, City Col. New York, 43-46; prof. psychol., grad. dept. psychol., N.Y. Univ., 47-61, in charge res. div. sch. soc. serv., 54-61; WITH RES. UNIT, N.Y. STATE DEPT. MENT HYG., 61- Clin. prof., State Univ. N.Y. Upstate Med. Center; guest prof., Groningen, 66-67; Nat. Inst. Ment. Health grant, 66-67. Consult, UNESCO, 52-53. Psychol. Asn; Sociol. Asn. Social research; psychiatric

outpatient clinics in New York State; patient characteristics; treatment; outcome of treatment. Publ: The social psychology of prejudice; Adjustment of severely retarded adults in the community; co-auth. Outpatient treatment of alcoholism, Univ. Toronto, 66. Address: Dept. of Mental Hygiene, 44 Holland Ave, Albany, N.Y. 12208.

SAFA, DR. HELEN ICKEN, b. Brooklyn, N.Y., Dec. 4, 30; m. 62; c. 3. SOCIAL ANTHROPOLOGY. B.A., Cornell, 52; Univ. Puerto Rico fel, Columbia, 55-59, M.A., 58, Nat. Inst. Ment. Health fel, 60-61, Ph.D.(anthrop), 62. New York City Bd. Ed-Ford Found. res. asst. Puerto Rican study, 54; training & eval. officer, tech. coop. admin, Dept. State, Commonwealth of P.R., 54-55, res. consult, Soc. Progs. Admin, 55-56; N.Y. State Div. Housing, 56-57; Urban Renewal & Housing Admin, Commonwealth of P.R., 59-60; sr. res. assoc. youth develop. center & asst. prof. anthrop, Maxwell Sch, Syracuse, 62-67; ASSOC. PROF. ANTHROP. LIVINGSTON COL, RUTGERS, 67- Nat. Inst. Ment. Health grant, 63; U.S. Off. ed. grant, 66-67; lectr, various univs, pub. insts. & nat. & int. meetings. Consult, Inter-Am. Housing & Planning Center, Orgn. Am. States, Colombia, 61; eval. consult, joint urban prog, Exec. Coun. Episcopal Church, 66-67. Fel. Anthropol. Asn; fel. Ethnol. Soc; fel. Soc. Appl. Anthropol; fel. Latin Am. Studies Asn. Urban anthropology and modern social problems, especially urban migration, ethnic minorities, low-income family life and social aspects of housing and planning. Publ: From shanty town to public housing: a comparison of family structure in two urban neighborhoods in San Juan, Puerto Rico, Caribbean Studies, 4/64; The female-based household in public housing: a case study in Puerto Rico, Human Orgn., summer 65; The social isolation of the urban poor: life in a Puerto Rican shanty town, In: Among the people: encounters with the urban poor, Basic Books, 68. Address: Dept. of Anthropology, Livingston College, Rutgers, The State University, New Brunswick, N.J. 08903.

SAFARIAN, PROF. A(LBERT) E(DWARD), b. Hamilton, Ont, Apr. 19, 24; m. 50; c. 4. ECONOMICS. B.A., Toronto, 48; fel, California, 46-50, Ph.D. (econ), 56. Statistician int. econ. trans. Dom. Bur. Statist, Ottawa, 50-55; lectr. ECON, Toronto, 55-56; assoc. prof., Saskatchewan, 56-61, prof. & head dept, 62-66; PROF, TORONTO, 66- Mem. res. staff, Royal Cmn. Can. Econ. Prospects, 56. Mem. Task Force Struct. Indust. Govt. Can, 66-67. Am. Econ. Asn; Can. Econ. Asn; Royal Econ. Soc. Business fluctuation; international investment. Publ: Canadian economy in the great depression; co-auth, Canadian balance of international payments in the post-war years, 1946-1952; auth, Foreign ownership of Canadian industry, McGraw, 66. Address: Dept. of Political Economy, University of Toronto, 100 St. George St, Toronto, Ont, Can.

SAFFELL, PROF. JOHN E(DGAR), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SAFFIR, DR. MILTON A(BRAHAM), b. Peoria, Ill, Feb. 22, 10; m. 38; c. 3. PSYCHOLOGY. Ph.B., Chicago, 30, Ph.D.(psychol), 35; Inst. Juvenile Res, 35-36. Instr. psychol, Peoples Jr. Col, 35-36; psychologist, Chicago Pub. Schs, 36-50; DIR, CHICAGO PSYCHOL. GUID. CENTER, 43- Psychologist, Psychol. Corp, Ill, 40-43; instr, Lake View Eve. Sch, 43-45; Pestalozzi-Froebel Teachers Col, 46; instr. & personal counsr, Wright Jr. Col, 50-53; prin, Faraday Elem. Sch, Ill, 53-; instr, Nat. Col. Ed, summers, 55, 56, 57. Dipl. Am. Bd. Exam. Prfnl. Psychol, 48. Fel. Psychol. Asn. Clinical and school psychology; vocational guidance. Publ: Exceptional child, In: Case histories in clinical and abnormal psychology; co-auth, Computing diagrams for the tetrachoric correlation coefficient; School system, In: Survey of clinical practice in psychology, Int. Univs, 54. Address: Chicago Psychological Guidance Center, Room 1934, 55 E. Washington St, Chicago, Ill. 60602.

SAFFRAN, H. WILLIAM, b. Rochester, N.Y., Mar. 8, 22; m; c. 1. ECONOMICS. A.B. Rochester, 48, M.S., 52; Syracuse, 52-54. Statistician, bur. ord, U.S. Dept. Navy, 48-52; economist, Upstate Supply Co, Inc, 55-57; SR. ECONOMIST, MANPOWER RES. & ANAL. DIV. N.Y. STATE DEPT. LABOR, 57- Consult, N.Y. Univ. & U.S. Dept. Labor, 60. U.S.A.A.F., 43-46. Econ. Asn; Statist. Asn; Mkt. Asn. Labor market; manpower; product market research; corporate and public finance; international trade and economic development. Publ: International Bank for Reconstruction and Development: a financial appraisal; Experiment to estimate seasonal hired farm employment in New York State. Address: New York State Dept. of Labor, 155 Main St. W, Rochester, N.Y. 14614.

SAFILOS-ROTHSCHILD, DR. CONSTANTINA, b. Grammenon, Greece, Nov. 25, 34; m. 60. SOCIOLOGY, SOCIAL PSYCHOLOGY. M.Sc., Athens Col. Agr, 57; M.Sc., Ohio State, 59, Ph.D.(sociol), 63. RES. ASSOC. soc. psychiat, Lafayette Clin, Detroit, Mich, 61-62; FAMILY SOCIOL, MERRILL-PALMER INST, 63- Adj. assoc. prof, Wayne State, 65- Nat. Inst. Ment. Health res. grant, 65-66; Ford Found. res. grant, Harvard, 66-; lectr, Knubly Univ. Greek Civilization, Greece, 66-; vis. lectr, Case Western Reserve, 67-68. Summers, Found. Fund res. grant psychiat, 64, Nat. Sci. Found. fel, 67. Res. consult, Athens Center Ment. Health & Res, 66- Mem. Int. Cmt. Family Res. Sociol. Asn; Nat. Coun. Family Rels; Int. Union Sci. Study Pop. Family, medical and comparative sociology; social psychiatry and stratification; methodology; sociology of fertility, disability and rehabilitation. Publ: Some aspects of fertility in urban Greece, Proc. World Pop. Conf, 65, UN, 67; Class position and stereotypes about success in the Greek and American cultures, Soc. Forces, 3/67; A comparison of power structure and marital satisfaction in urban Greek and French families, J. Marriage & Family, 5/67. Address: Merrill-Palmer Institute, 71 E. Ferry St, Detroit, Mich. 48202.

SAFRAN, DR. NADAV, b. Cairo, Egypt, Aug. 25, 25; m. 55; c. 1. POLITICAL SCIENCE. B.A., Brandeis, 54; M.A., Harvard, 56, Sheldon fel, 56-57, Ph.D., 58. Instr. GOVT, HARVARD, 58-61, asst. prof, 61-65, ASSOC. PROF, 65-, Chase prize, 58, res. fel, Mid. East studies, 59-62. Guggenheim fel, 63-64. Politics prize, Brandeis, 54. Polit. Sci. Asn. Middle East studies; comparative study of Western and Eastern societies; political theory. Publ: Egypt in search of political community; The U.S. and Israel, Harvard, 63; Israel: a profile, World Affairs Coun, 65. Address: 3 Wyman St, Cambridge, Mass. 02140.

SAGAN, DR. JOHN, b. West Austintown, Ohio, Mar. 9, 21; m. 48; c. 3. ECONOMICS. B.A., Ohio Wesleyan, 48; scholar, Illinois, 48-49, M.A., 49, fel, 49-51, Ph.D.(econ), 51. Res. economist, FORD MOTOR CO, 51-52, monetary economist, 53-56, asst. treas, 57-66, TREAS, 66- U.S.N., 43-46. Econ. Asn; Finance Asn. Monetary field; business cycles. Address: American Rd, Dearborn, Mich. 48121.

SAGEN, DR. O(SWALD) K(ARL), b. La Crosse, Wis, Mar. 27, 06; m. 35. STATISTICS. A.B., Luther Col, 26; Ph.D.(math), Chicago, 34. Prof. math, Luther Col, 29-31; worker, Inst. Adv. Study, 34-35; instr. math, Minnesota, 35-36; Iowa State Col, 36-37; asst. prof, Maryland, 37-38; res. assoc, State Tax Cmn, Ill, 39-41; chief statistician, State Dept. Pub. Health, 41-45, chief div. vital statist. & records, 45-57; chief, spec. studies, U.S. Nat. Health Surv, PUB. HEALTH SERV, U.S. DEPT. HEALTH, ED. & WELFARE, 57-61, chief, nat. vital statist. div, 61-64, ASST. DIR, NAT. CENTER HEALTH STATIST. WASH, D.C., 64- Consult, Int. Collaborative Study Med. Care Utilization, 67- Chmn. Pub. Health Conf. Records & Statist, 50-52; mem. U.S. Nat. Cmt. Vital & Health Statist, 54-57; fel. coun. epidemiol, Am. Heart Asn. Fel. AAAS; Statist. Asn; Pub. Health Asn; Pop. Asn. Am; Biomet. Soc; Sociol. Asn; Int. Epidemiol. Asn; Int. Union Sci. Study Pop. Biostatistics and demography; population survey methods applied to health and population dynamics; health statistics systems and development, national and international. Address: 7201 Millwood Rd, Bethesda, Md. 20034.

SAGER, DR. CLIFFORD J, b. New York, N.Y., Sept. 28, 16; m. 39; c. 4. PSYCHIATRY. B.S., Pa. State, 37; M.D., N.Y. Univ, 41; cert. psychoanal, N.Y. Med. Col, 49. Consult. psychiat, Family Welfare Orgn, Allentown, Pa, 46-47; assoc. dean & dir. therapeut. serv, Postgrad. Center Psychother, 48-60; dir. clin. serv, N.Y. MED. COL, 60-66, PROF. PSYCHIAT. & DIR. PARTIAL HOSPITALIZATION PROG. 66-. CHIEF FAMILY TREATMENT & STUDY UNIT, 65- Asst. adj. psychiatrist, Beth Israel Hosp, New York, 48-50; vis. psychiatrist, Metrop. Hosp, 60-; attend. psychiatrist, Flower & Fifth Ave. Hosp, 60- Dipl. Am. Bd. Psychiat. & Neurol, 48. Chief neuropsychiat. serv, hosps, 44-46, Med.C., U.S.A., 42-46, Capt. Fel. Psychiat. Asn; fel. Am. Med. Asn; fel. Acad. Psychoanal; fel. Soc. Med. Psychoanal.(pres, 66); fel. Orthopsychiat. Asn; fel. Group Psychother. Asn.(pres, 68 & 69). The marital couple and the development of suitable methods of bringing psychiatric treatment to those segments of the population previously not reached by effective psychological and social forms of treatment. Publ: Insight and interaction in concurrent individual and group therapy. In: Vol. V, Current psychiatric therapies, Grune, 65; The treatment of married couples, In: Vol. III, Handbook of American psychiatry, Basic Books, 66; The development of marriage therapy: an historical review, Am. J. Orthopsychiat, 66. Address: 65 E. 76th St, New York, N.Y. 10021.

SAGER, PROF. WILLIAM E, b. Toronto, Ont, Apr. 9, 27; m. 52; c. 2. GEOGRAPHY, EDUCATION. B.A., Toronto, 51, H.S.S., 52. ASSOC. PROF. GEOG. ED. & HEAD DEPT, COL. ED, TORONTO, 61- Consult, curriculum cmts, Ont. Dept. Ed, 56-; mem. tech. in ed. cmt, Ont. Curriculum Inst, 61-62; mem. & assoc. dir. urban geog. curriculum study, Ont. Inst. Studies Ed, 65- Can. Army, 47-61, Maj. Can. Geog. Asn; Asn. Am. Geog; Nat. Coun. Geog. Ed. Technology and educational media; teaching methods and curriculum design in geography. Publ: Ed, A new geography of Canada, J.M. Dent & Son, 61; co-auth, Technology in learning, Ont. Inst. Studies in Ed, 64. Address: College of Education, University of Toronto, 371 Bloor St. W, Toronto 5, Ont, Can.

SAGESER, DR. HENRY W(ALTON), b. U.S., May 2, 08. PSYCHOLOGY. B.S.M.E., Purdue, 32, M.S., 41, Ph.D.(psychol), 49; B.A., Louisville, 35. Asst. prof, Tulsa, 48-49; dir. student personnel, Col. Ozarks, 49-52; asst. prof. PSYCHOL. & guid. counsr, Northeast La. State Col, 52-57; INSTR. ST. PETERSBURG JR. COL, 57-, ASST. CHMN. DEPT., 64- Mem. Nat. Coun. Soc. Studies, 57- U.S.A.A.F., 41-46. Psychol. Asn. Orientation of freshmen. Publ: Counseling in their colleges, Voc. Guid. J; Vocational guidance for the small high school & Past performance predicts, Personnel & Guid. J. Address: 8298 27th Ave. N, St. Petersburg, Fla. 33710.

SAGI, PROF. PHILIP CARL, b. New York, N.Y., Nov. 21, 24; m. 49; c. 1. SOCIOLOGY, STATISTICS. Ph.B., Wisconsin, 49, M.S., 51; Ph.D.(sociol), Minnesota, 56. Asst. prof. SOCIOL, Alabama, 56-57; assoc. prof. PENNSYLVANIA, 61-66, PROF, 66-, ASSOC. DIR. POP. STUDIES CENTER, 65- Res. assoc, Princeton, 57-62. Consult, President's Cmn. Law Enforcement, 66-67. U.S.A.A.F., 43-45, Sgt. Sociol. Asn; Statist. Asn; Pop. Asn; Psychomet. Asn. Demography and statistics. Publ: Co-auth, Family growth in metropolitan America; The third child, Princeton Univ. Press, 63. Address: Dept. of Sociology, Wharton School, University of Pennsylvania, Philadelphia, Pa. 19104.

SAHAKIAN, PROF. WILLIAM S(AHAK), b. Boston, Mass, Oct. 7, 21; m. 45; c. 4. PSYCHOLOGY. B.S., Northeastern, 44; S.T.B., Boston, 47, Ph.D.(psychol, philos), 51; Harvard, 48-55; hon. D.Sc., Curry Col, 56. PROF. PSYCHOL. & PHILOS. & CHMN. DEPT, SUFFOLK, 46- Lectr, Northeastern, 51-; exten. courses, Harvard, 60-; prof. lectr, Mass. Col. Pharm, 60-; prof, Curry Col, 55-57; Lasell Col, 60-61; res. psychologist, Mendota Res. Group, 60- AAAS; Philos. Asn; Human Factors Soc; N.Y. Acad. Sci. Human factors research; philosophy of science; scientific methodology; medical and pharmaceutical psychology; value theory; psychological theory; history of psychology; personality theory; abnormal psychology; psychotherapy; clinical psychology; philosophical psychology. Publ: Psychology of personality, 65 & Psychotherapy and counseling, 68, Rand; History of psychology, Peacock, 68. Address: Suffolk University, 41 Temple St, Boston, Mass. 02114.

SAHLI, PROF. JOHN R(ANKIN), b. Beaver Falls, Pa, May 1, 10; m. 39; c. 1. SOCIAL SCIENCE. B.A., Geneva Col, 32; M.A., Pittsburgh, 35, M.Ed., 38, Ph.D., 41. Teacher, Beaver Falls Jr. High Sch, 35-45; researcher, off. Qm. Gen, Pittsburgh, 45-46; PROF. HIST, INDIANA UNIV. PA, 46- Pennsylvania local and state government and history; collection, analysis and study of old school textbooks; social and economic history of Pennsylvania; community planning in Pennsylvania. Publ: Indiana town plan, Soc. Ed; Study in geography world relations, J. Geog; Pennsylvania, In: Encyclop. Britannica Jr. Address: Dept. of History, Indiana University of Pennsylvania, Indiana, Pa. 15701.

- SAHLINS, PROF. MARSHALL D(AVID), b. Chicago, Ill, Dec. 27, 30. ANTHROPOLOGY. A.B. Michigan, 51, A.M. 52; Ph.D.(anthrop), Columbia, 54. Lectr. ANTHROP. Columbia, 55-57; asst. prof. MICHIGAN, 57-61, assoc. prof. 61-64, PROF. 64- Fel. Center Adv. Study Behav. Sci. 63-64; Guggenheim fel, 67-68. Ethnol. Soc; Anthropol. Assn. Oceanic ethnography; primitive economics; cultural evolution. Publ: Co-auth, Evolution and culture; auth, Moala: culture and nature on a Fijian Island; Tribesmen, Prentice-Hall, 68. Address: Dept. of Anthropology, University of Michigan, Ann Arbor, Mich. 48104.
- SAHNI, DR. B(ALBIR) S(INGH), b. Gujarkhan, Pakistan, July 4, 34. ECONOMICS. B.A. Delhi, 55, M.A. 57; M.B.A. N.Y. Univ, 59; Ph.D.(econ. develop), New Sch. Soc. Res, 65. Mkt. asst, Consulate Gen. India, New York, 58-63, asst. dir. res. commercial dept, 63-65; ASST. PROF. ECON. SIR GEORGE WILLIAMS, 65- Exec. secy, Can. Int. Center Res. & Info. Pub. & Coop. Econ, 68- Publ: Savings and economic development, Sci. Book Agency, 67 & Strategy of economic development, Commerce, 1/68; co-auth, The public sector in Canada, Ann. Pub. & Co-op. Econ. Address: Dept. of Economics, Sir George Williams University, 1435 Drummond St, Montreal, Que, Can.
- SAIDEL, DR. DONALD H(ARVEY), b. New York, N.Y., Aug. 11, 33; m. 57; c. 2. CLINICAL PSYCHOLOGY. B.S. City Col. New York, 55, fel, 56, M.S. 57; Ph.D.(psychol), Kansas, 64. Intern clin. psychol, Topeka State Hosp, 61-62; staff psychologist, Kansas Treatment Center Children, 62-64; supv. clin. psychologist, Worcester Youth Guid. Center, 64-67; CHIEF PSYCHOLOGIST, SHEPPARD & ENOCH PRATT HOSP, 67- Asst. to dir, Merrifield Center, Mass, 64-67, consult, Maryland Children's Center, 67- AAAS; Psychol. Assn. Verbal learning and memory; child development, particularly the development of concept-formation; development of ego functions. Address: Sheppard & Enoch Pratt Hospital, Towson, Md. 21204.
- SAIGER, DR. GEORGE LEWIS, Epidemiol, Med. Statist, see 11th ed, Phys. & Biol. Vols.
- SAILORS, PROF. JOEL W(ARREN), Econ, see 10th ed, Soc. & Behav. Vols.
- SAINI, DR. KRISHAN G, b. Arnai, India, Feb. 14, 41. ECONOMICS. A.B. Columbia Col, 62; Ph.D.(econ), Columbia, 68. ASST. PROF. ECON. TEXAS, AUSTIN, 67- Econ. Assn; Assn. Evolutionary Econ; Economet. Soc; Royal Econ. Soc. International trade theory and commercial policy; economic development; monetary economics; economic theory. Address: Dept. of Economics, University of Texas, Austin, Tex. 78712.
- ST. ANGELO, DR. DOUGLAS G, b. Huntingburg, Ind, Apr. 6, 31; m. 53; c. 2. POLITICAL SCIENCE. B.A. N.Cent. Col.(Ill), 53; LaVoeer Noyes scholar, Chicago, 56-59, M.A. 57, Ford Found. fel, 57-59, Ph.D. 60. Asst. prof. polit. sci. & acting chmn. dept, St. Olaf Col, 59-63; asst. prof. GOVT. FLA. STATE, 63-66, ASSOC. PROF. 66-, DIR. INST. GOVT. RES, 67- Mem. Midwest Conf. Polit. Scientists. U.S.A. 53-55. Polit. Sci. Assn. Political behavior. Publ: Co-auth, The dynamics of federalism, Peacock, 68; auth, Formal and routine control of national programs, Southwest. Soc. Sci. Quart, 3/66; co-auth, Personality and political orientation, Midwest. J. Polit. Sci, 5/68. Address: 620 Bellamy, Florida State University, Tallahassee, Fla. 32306.
- ST. CLAIR, PROF. JAMES S(SHELDON), b. Pomona, Calif, Aug. 18, 19; m. 42; c. 3. AGRICULTURAL ECONOMICS. B.S. California, 41; M.S. Illinois, 47, Ph.D.(agr. econ), 56. Asst. agr. econ. Illinois, 41-42, 45-46, 50-51; instr, Calif. State Polytech. Col, 46-50; asst. agr. economist, Arizona, 51-55; agr. economist, U.S. Dept. Agr, 55-57; assoc. prof. AGR. ECON. & assoc. agr. economist, WYOMING, 57-59, PROF. & AGR. ECONOMIST, 59- Res. achievement award, West. Farm Econ. Assn, 59; red ribbon award, Am. Assn. Col. Eds, 63. U.S.A.A.F. 42-45, Sgt. Livestock and cotton marketing; economics of cotton ginning and harvesting; agricultural prices; advertising and pricing practices of food retailers. Publ: Effects of lint cleaning of cotton, U.S. Dept. Agr. Mkt. Res. Report; co-auth, Truck transportation of Wyoming livestock, Wyo. Agr. Exp. Sta. Bull, 8/62; auth, Truck size and weight laws as barriers to the interstate movement of livestock, Wyo. Agr. Exp. Sta. Circular 213, 6/65. Address: Division of Agricultural Economics, University of Wyoming, Box 3354, University Station, Laramie, Wyo. 82070.
- ST. CLAIR, PROF. KENNETH E(DSON), Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- ST. CLAIR, DR. WALTER F(RANCIS), b. Glens Falls, N.Y., May 30, 07; m. 31; c. 1. CLINICAL PSYCHOLOGY. B.Sc. Temple, 30, Ed.M. 36, Ed.D. 42. Asst. to student deans, Temple, 30-42; head counseling & testing sect, sig. supply serv, U.S. Dept. War, Pa, 42-43, admin. officer, exec. control off, 43-44; chief advisement guid. sect, regional off, VET. ADMIN, 44-48, CHIEF CLIN. PSYCHOLOGIST, MENT. HYG. CLIN. HOSP, 48- Dipl. Am. Bd. Exam. Prfnl. Psychol, 48. Fel. Psychol. Assn; Soc. Proj. Tech. Psychotherapy; projective testing in diagnosis; vocational counseling. Address: 999 Mammoth Rd, Manchester, N.H. 03104.
- ST. HILAIRE, T(HERESE) FOREST, Clin. Psychol, see 10th ed, Soc. & Behav. Vols.
- ST. HOYME, DR. LUCILE E(LEANOR), b. Washington, D.C., Sept. 8, 24. PHYSICAL ANTHROPOLOGY. B.S. George Washington, 50, M.S. 53; Nat. Sci. Found. fel, Oxford, 58-59, D.Phil.(anthrop), 63. Aide, div. phys. anthrop, U.S. Nat. Mus, 55-63; ASSOC. CURATOR PHYS. ANTHROP. SMITHSONIAN INST, 64- Prof. lectr, American Univ, 64-; assoc. prof. lectr, George Washington, 65-66; lectr, Pennsylvania, 66-67. Am. Anthrop. Assn; Am. Assn. Phys. Anthropol; Soc. Syst. Zool; Am. Sci. Affiliation; Am. Inst. Biol. Sci; Brit. Soc. Study Human Biol; Royal Anthropol. Inst. Gt. Brit. & Ireland. Human genetics and anatomy; history of anthropology. Publ: Physical anthropology and its instruments, Southwest J. Anthropol; co-auth, Statistics, experiment and the future of biology, Sci. Monthly & Human skeletal remains from the John H. Kerr Reservoir Basin, Halifax and Mecklenburg Counties, Virginia, Bur. Am. Ethnol. Bull. Address: 1805 Monroe St. N.E., Washington, D.C. 20018.
- ST. JOHN, PROF. WESLEY A(LEXANDER), b. Grandin, N.Dak, Oct. 18, 18; m. 43; c. 2. POLITICAL SCIENCE. B.S. Drake, 48; M.A. Iowa, 49; Ph.D. California, 56. Res. asst. POLIT. SCI. California, 53; ASSOC. PROF. HAMLINE, 53- Vis. prof, Thammasat, 58-59. U.S.A.A.F. 41-45. African Studies Assn; Assn. Asian Studies; Polit. Sci. Assn. Public administration; constitutional and administrative law; comparative governments, Europe, South East Asia and Africa. Address: 801 Holton, St. Paul, Minn. 55104.
- ST. MICHAEL (GUINAN), SISTER, O.S.U. b. Mt. Carmel, Ont, Jan. 1, 04. PSYCHOLOGY. B.A. Western Ontario, 23; M.A. Catholic Univ, 37; Nat. Res. Coun. fel, Laval, 46-49, lic, 48, Ph.D.(psychol, philos), 49. From lectr. to PROF. PHILOS. & PSYCHOL. URSULINE COL. ARTS, WESTERN ONTARIO, 38-, HEAD DEPT, 49- Can. Coun. summer res. grant, Widener Library, Harvard, 63, 64 & 65. Mem. Ont. Govt. Interdept. Adv. Cmt. Aging, 67- Can. Psychol. Assn; Can. Polit. Sci. Assn; Can. Assn. Adult Ed; Can. Philos. Assn. Existential and social philosophy; aesthetics; developmental psychology; aging. Publ: Existential analyst and the human condition, Proc. Am. Cath. Philos. Assn; Roman Catholic women's communities, In: Encyclopedia Canadiana. Address: Dept. of Psychology, Brescia Hall, Ursuline College of Arts, University of Western Ontario, London, Ont. 519, Can.
- SAIT, EDWARD M(CCHESNEY), b. New York, N.Y., Nov. 14, 12; m. 55. PSYCHOLOGY. A.B. California, 35. Asst. psychol, Stanford, 38-40; instr, Fullerton Jr. Col, 40-41; Reed Col, 42; personnel technician, Mat. Command, U.S. Dept. Air Force, 42-46; from psychologist to assoc. dir. personnel testing lab, Rensselaer Polytech, 50-58; res. psychologist & chief eval. unit, U.S. Army Enlisted Eval. Center, 58-60, supvry. res. psychologist & chief eval. & anal. sect, 60-62, resident psychologist, U.S. Army Officer Eval. Center, 62-65, RES. PSYCHOLOGIST, U.S. ARMY BEHAV. SCI. RES. LAB, 65- Psychol. Assn; Psychomet. Soc. Level of aspiration; personnel selection and placement; test construction and analysis. Address: 3917 Rickover Rd, Silver Spring, Md. 20902.
- SAKHEIM, DR. GEORGE A(RTHUR), b. Hamburg, Germany, June 12, 23; nat; m. 50; c. 2. PSYCHOLOGY. B.S. Columbia, 48, M.A. 49; Ph.D.(clin. psychol), Fla. State, 54. Psychol. intern, Bellevue Psychiat. Hosp, 50-51; staff psychologist, Augusta State Hosp, Maine, 51-53, chief psychologist, 53-55; clin. psychologist, Brockton Vet. Admin. Hosp, 55-56, supv. clin. psychologist, 56-60; asst. leader, N.Y. Soc. Ethical Culture, 60-63; chief psychologist, Lincoln Hall, N.Y., 62-65; Hawthorn Cedar Knolls Sch, 65-68; ADMINSTR. SUPVR. PSYCHOL. SERV, HAWTHORN & LINDEN HILL SCHS, JEWISH BD. GUARDIANS, 67- Consult, St. Mary's in the Field, Westchester County, N.Y., 67- U.S.A. 43-45, Capt. Psychol. Assn. Validation of projective techniques; test construction; psychotherapy. Publ: Manic depressive psychosis in a 13 year old boy & Suicidal responses on the Rorschach test, a validation study, J. Nerv. & Ment. Disease; Prediction of successful suicide from the Rorschach test, using a sign approach, J. Proj. Tech. Address: 174 Circle Dr, Hastings on Hudson, N.Y. 10706.
- SAKODA, PROF. JAMES M(INORU), b. Lancaster, Calif, Apr. 21, 16; m. 43; c. 1. PSYCHOLOGY. B.A. California, 42, Ph.D.(psychol), 49; Soc. Sci. Res. Coun. fel, Harvard, 47-48. Asst. prof, Brooklyn Col, 49-53; psychol, Connecticut, 53-57, assoc. prof, 57-62; PROF. SOCIOLOGICAL, BROWN, 62- Psychol. Assn; Psychomet. Soc; Assn. Comput. Mach; Sociol. Assn; Statist. Assn. Computers; statistics; factor analysis; computer programming languages. Publ: Factor analysis of OSS situational tests, J. Abnorm. & Soc. Psychol; co-auth, Test of significance for a series of statistical tests, Psychol. Bull; auth, DYSTAL manual, Sociol. Comput. Lab, 65. Address: Dept. of Sociology, Brown University, Providence, R.I. 02912.
- SAKUMOTO, DR. RAYMOND E(LJI), b. Hilo, Hawaii, Jan. 17, 33; m. 58; c. 2. SOCIOLOGY. B.A. Hawaii, 55, M.A. 57; Ph.D.(sociol), Northwestern, 65. ASST. PROF. SOCIOLOGICAL, HAWAII, 61- Prog. evaluator, Hawaii Off. Econ. Opportunity, 65-67; res. consult, State Cmn. Aging, Hawaii, 65- U.S.A. 57-58, Res. 58-63, Sgt. Sociol. Assn. Publ: Age structure of Hawaii's population, Sch. Pub. Health, Univ. Hawaii, 66, Problems in the analysis of social aggregates, 65 & Socio-cultural aspects of aging, 66, Col. Gen. Studies. Address: Dept. of Sociology, University of Hawaii, Honolulu, Hawaii 96822.
- SALAFIA, DR. WILLIAM R(ONALD), b. Baltimore, Md, Dec. 28, 38; m. 63; c. 1. EXPERIMENTAL PSYCHOLOGY. B.S. Loyola Col.(Md), 60; M.A. Fordham, 63, Ph.D.(exp. psychol), 67. Lectr. PSYCHOL, Hunter Col, 63-65; instr, FAIRFIELD, 65-66, ASST. PROF. 66- Nat. Guard, 57-60; U.S.A.R. 60-63. AAAS; Psychol. Assn. Psychopharmacology; psychology of learning; psychology, physiology and biochemistry of memory. Publ: Co-auth, Continuous temporal evaluation of the effect of meprobamate on critical flicker frequency, Psychopharmacologia, 66. Address: Dept. of Psychology, Fairfield University, Fairfield, Conn. 06430.
- SALANT, DR. WALTER S, b. New York, N.Y., Oct. 24, 11; m. 39; c. 2. ECONOMICS. B.S. Harvard, 33, M.A. 37, Ph.D. 62; Cambridge. Mem. staff, res. div. & econ. adv. office, Off. Price Admin, 40-45; econ. adv. to econ. stabilization dir, Exec. Off. of President, 45-46, sr. staff, Coun. Econ. Adv, 46-52; MEM. STAFF, BROOKINGS INSTN, 54- Consult, econ. & finance div, NATO, 52-53; Rockefeller Found, 60-61; U.S. Dept. Treas, 61-; U.S. Econ. Surv. Team, Indonesia, 61. Mem. Univ-Nat. Bur. Cmt. Econ. Res; adv. coun, Yale Econ. Growth Center. Am. Econ. Assn; Economet. Soc; Royal Econ. Soc. International economics; business cycles. Publ: Import liberalization and employment, 61 & U.S. balance of payments in 1968, 63, Brookings Inst; Capital markets and the balance of payments of a financial center, In: Maintaining and restoring balance in international payments, Princeton Univ. Press, 66. Address: 2335 California St. N.W., Washington, D.C. 20008.
- SALANT, WILLIAM AARON, Econ, see 10th ed, Soc. & Behav. Vols, deceased 66.
- SALAPATEK, DR. PHILIP H(ENRY), b. Toronto, Ont, Feb. 26, 41; m. 64; c. 1. PSYCHOLOGY. B.A. Toronto, 63; Woodrow Wilson fel. & Ont. Govt. scholar, 63. Ph.D.(psychol), Yale, 66. ASST. PROF. PSYCHOL, PENNSYLVANIA, 66- AAAS; Psychol. Assn; Soc. Res. Child Develop. Perceptual and cognitive development during infancy. Publ: Co-auth, Visual scanning of triangles

by the human newborn, *J. Exp. Child Psychol.* 66; auth, Visual scanning of geometric figures by the human newborn, *J. Comp. & Physiol. Psychol.* 68. Address: Dept. of Psychology, University of Pennsylvania, Philadelphia, Pa. 19104.

SALEM, DR. ELIE A(DIB), b. Bttrram el-Koura, Lebanon, Mar. 5, 30; m. 54; c. 4. **POLITICAL SCIENCE**. B.A. American Univ. Beirut, 50; M.A. Cincinnati, 51; Ph.D. Hopkins, 54. Instr. pub. admin. American Univ. Beirut, 54-56; asst. prof. Mid. East Studies, sch. adv. int. studies, Hopkins, 56-62; **ASSOC. PROF. POLIT. SCI. & PUB. ADMIN.** AMERICAN UNIV. BEIRUT, 62-; **ASST. DEAN FACULTY ARTS & SCI.**, 66-; univ. res. grant bureaucracy & develop. in Lebanon, 65. Soc. Sci. Res. Coun. grant, 59; Folger Shakespeare Library grant, 62; Mid. East Area Prog. res. grant planning in develop. country, 67. Lectr. Naval War Col, 57-; U.S. Mil. Acad, 60; Delaware, 60-61; For. Serv. Inst, U.S. Dept. State, 62-; Army Strategic Intel. Sch, U.S. Dept. Defense, 62-; Mid. East Studies Assn. N.Am; Soc. Pub. Admin; Polit. Sci. Assn. Nationalism and related ideological issues in the Arab World; governments and institutions in the Middle East; Middle Eastern political process. Publ: Political theory and institutions of Khawarij; Face to face; Arab public administration conference, Vol. 1, 55, Vol. 2, 56. Address: Faculty of Arts & Science, American University of Beirut, Beirut, Lebanon.

SALERA, PROF. VIRGIL, b. San Francisco, Calif, Sept. 22, 13; m. 42; c. 1. **ECONOMICS**. Ph.D. Columbia, 41. Instr. econ. Minnesota, 36-38; economist, U.S. Dept. Treas, 41, 43; War Prod. Bd, 42; For. Econ. Admin, 44-45; consult, Safeway Stores, Inc, 45-46; assoc. prof. econ. Miami, 46-47; asst. prof. Denver, 47-48; assoc. prof. Iowa State Col, 48-50; economist, Mutual Security Agency, 51-53; econ. adv. Venezuelan Ministry Agr, 53-54; dir. Mantaro Valley Surv, Peru, 54; mem. sr. staff, President's Coun. Econ. Adv, 54-55; sr. economist, Orgn. Am. States, 55-57; Am. Enterprise Assn, 57-59; **PROF. BUS. ADMIN. & ECON. CALIF. STATE COL. HAYWARD**, 59-; head div, 59-66. Lectr. Inst. Tech, Wright Field, 46-47; Sch. Adv. Studies, D.C., 55; prof. lectr. American Univ, 56-59. Filene prize, California, 35. Econ. Assn. Latin American economic policies and problems; monetary economics. Publ: Co-auth, International economics & Elementary economics; auth, Multinational business, Houghton, 49. Address: Dept. of Business & Economics, California State College, 25800 Hillary St, Hayward, Calif. 94542.

SALINGER, DR. MALCOLM D(AVID), b. Cleveland, Ohio, Oct. 16, 21; m. 47; c. 4. **COUNSELING, PSYCHOLOGY**. B.S. Fenn Col, 44; M.A. Western Reserve, 47, Ed.D.(counseling guid), 52. Teacher & counsr. pub. sch, Ohio, 46-53; **COUNSELING PSYCHOLOGIST**, Vet. Admin, Wis, 53-57; **FERRIS STATE COL.**, 57- Sig.C. U.S.A., 43-46. Psychol. Assn; Personnel & Guid. Assn. Occupational choice; personal adjustment; vocational rehabilitation. Address: 216 Sanborn Ave, Big Rapids, Mich. 49307.

SALISBURY, FRANKLIN C(ARY), b. Cleveland, Ohio, Sept. 29, 10; m. 55; c. 5. **POLITICAL SCIENCE, LAW**. B.A. Yale, 32; LL.B. Western Reserve, 37; Georgetown; American Univ. Admin. asst. to cmnr, Fed. Commun. Cmn, 39-40; mem. staff, off. for. liquidation, U.S. Embassy, Brazil, 45-46; pres. & trustee, Latin Am. Inst, D.C., 46-55; asst. solicitor, Indian affairs br, solicitors off, U.S. Dept. Interior, 55-61; **BD. CHMN.** Orbit Indust, Inc, 60-68; **WIRE CONVEYOR BELTS, INC.**, 68- Sect. dir, Atlantic Res, Inc, 49-65. U.S.A., 41-46, Maj. Polit. Sci. Assn; Bar Assn. Political semantics; American Indian affairs; Latin American relations. Publ: Speaking of politics. Address: 2922 45th St. N.W., Washington, D.C. 20016.

SALISBURY, DR. NEIL E(LLIOT), Geog, see Suppl. V to 11th ed, Phys. & Biol. Vols.

SALISBURY, PROF. RICHARD F(RANK), b. London, Eng, Dec. 8, 26; nat; m. 54; c. 3. **SOCIAL ANTHROPOLOGY**. B.A. Cambridge, 49, M.A., 56; A.M. Harvard, 55; Ph.D. Australian Nat. Univ, 57. Asst. inst. human develop. Harvard, 54-55, res. assoc. sch. pub. health, 55-56; asst. prof. **ANTHROP.** Tufts, 56-57; California, Berkeley, 57-62; assoc. prof. McGill, 62-65, **PROF.**, 66-; **CHMN. DEPT. SOCIOL. & ANTHROP.**, 67- Can. Coun. sr. fel, 67. R.M., 45-48, Lt. Anthropol. Assn; Ethnol. Soc; Can. Sociol. & Anthropol. Assn.(v.pres, 67-); fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Economics and process of economic development in non-industrial society, especially in Pacific area; small group interaction, especially in mental hospitals. Publ: From stone to steel: economic consequences of a technological change; Structures of custodial care; co-auth, Behavioral science research in New Guinea, Nat. Res. Coun, 11/67. Address: Dept. of Sociology & Anthropology, McGill University, Montreal 2, Que, Can.

SALISBURY, PROF. ROBERT H(OLT), b. Elmhurst, Ill, Apr. 29, 30; m. 53; c. 2. **POLITICAL SCIENCE**. A.B. Washington & Lee, 51; M.A. Illinois, 52, univ. fel, 52-53, Babcock fel, 53-54, Ph.D.(polit. sci), 55. **ASST. POLIT. SCI.** Illinois, 54-55; instr. WASHINGTON (ST. LOUIS), 55-57, asst. prof, 57-60, assoc. prof, 60-65, **PROF.**, 65-; **CHMN. DEPT.**, 66- Vis. prof, State Univ. N.Y. Buffalo, summer, 65. Consult, Hartford, Conn. Town Meeting of Tomorrow, 64; U.S. Conf. Mayors, summer, 65; Off. Econ. Opportunity, 66. Polit. Sci. Assn. American national government; political behavior; state and local government. Publ: Co-auth, State politics and the public schools, Knopf, 64; Politics in the American states, Little, 65; auth, Urban politics: the new convergence of power, J. Politics, 65. Address: Dept. of Political Science, Washington University, St. Louis, Mo. 63130.

SALISBURY, DR. WINFIELD WYMAN, II, b. Berkeley, Calif, Sept. 12, 30; m. 68. **SOCIOLOGY**. A.B. California, Berkeley, 54, M.A., 56; Ph.D.(sociol), Iowa, 63. Instr. sociol, Iowa, 57-61, res. asst. div. alcoholism studies, 61-62; instr. **SOCIOL.** exten. div. Wisconsin, 62-63; **ASST. PROF.** Nevada, 63-65; **SAN JOSE STATE COL.**, 66- Fel. inst. human develop. California, Berkeley, 65-66. Sociol. Assn. Social psychology; self-concept in relation to alcohol consumption and anxiety neurosis; youth alienation and drug use. Publ: Co-auth, Myth of alienation and teenage drug use: or, coming of age in mass society, Calif. Sch. Health, 68 & Self-conceptions in a general population, Sociol. Quart, 64. Address: Dept. of Sociology, San Jose State College, San Jose, Calif. 95114.

SALKEVER, PROF. LOUIS R(OMOV), b. Philadelphia, Pa, Jan. 1, 14; m. 36; c. 2. **ECONOMICS**. B.A. Pennsylvania, 36; M.A. American Univ, 50; Ph.D.

(econ), Cornell, 51. Economist, U.S. govt, 41-46; instr. econ. Sampson Col, 46-47, asst. prof, 47-49; res. asst. indust. rels, Cornell, 49-50; asst. prof. ECON. State Univ. N.Y. Col. Ed, New Paltz, 50-53, assoc. prof, 53-56, prof, 56-65; **PROF. & CHMN. DEPT.**, STATE UNIV. N.Y. ALBANY, 65- Vis. lectr, Hobart Col, 48-49; res. assoc. Cornell, 49-50; lectr, N.Y. State Sch. Indust. & Labor Rels, 51-; Ford Found. fel, Yale, 58, Mass. Inst. Tech, 61; summers, vis. prof, Syracuse, 61, Cornell, 63. Consult, Wage Stabilization Bd, 51-52; United Cement, Lime & Gypsum Workers, Am. Fedn. Labor-Cong. Indust. Orgns, 54-56; econ. adv. City Phila, 54-55; consult. City Dept. Commerce, Phila, Pa, 55; N.Y. Tel. Co, 55-; State Dept. Ed, N.Y., 60-61; exec. dir. cmt. labor, civil serv. & Pub. Pensions, N.Y. State Constitutional Convention, 67. Mem. bd. dirs, State Coun. Econ. Ed; nat. panel arbitrators, Am. Arbit. Assn. U.S.A., 44-46. Econ. Assn; Indust. Rels. Res. Assn; Assn. Evolutionary Econ. Economic theory; labor economics; income analysis; wage structure theory; economic development of Ethiopia; regional income estimation. Publ: Wage structure theory: a critique, Humanities, 64; co-auth, Sub-Saharan Africa; struggle with past, Scott, 64; auth, Personal income in Philadelphia, City of Phila, 55. Address: Dept. of Economics, State University of New York at Albany, Albany, N.Y. 12203.

SALLAGAR, F(REDERICK) M(AXIMILLIAN), Econ, see 10th ed, Soc. & Behav. Vols.

SALLEE, DR. GEORGE A(LDEN), b. Gerlaw, Ill, Feb. 26, 02; m. 25; c. 2. **ECONOMICS**. B.S. Illinois, 25; M.S. Minnesota, 28, Soc. Sci. Res. Coun. fel, 29, Ph.D.(agr. econ), 38. Asst. & instr. farm mgt, Minnesota, 26-28, 30-36, 38; sr. agr. economist in charge farm surv, nat. res. prof, Works Progress Admin, 36-37; economist & sr. economist farm mgt. & land econ. res. & planning, U.S. Dept. Agr, 39-42, chief livestock, meats, fats & oils sect, Civilian Food Requirements Br, 42-45, mkt. adjust. sect, Food Distrib. Progs. Br, 46, 47; dairy, poultry & fish prods. sect, Off. Int. Trade, U.S. Dept. Commerce, 48-51, asst. dir. agr. prod. div, bur. for. commerce, 52, 53, int. economist, 54-65; **RETIRED**. International commodity arrangements and foreign trade policy. Address: 6238 N. 19th St, Arlington, Va. 22205.

SALLET, PROF. RICHARD, b. Strasburg, Germany, Feb. 17, 00; div; c. 5. **POLITICAL SCIENCE**. A.B. Harvard, 28; Ph.D. Univ. Königsberg, 30; Northwestern, 30-31. Lectr. polit. sci, Northwestern, 31-33; col. polit. sci, Berlin, 33-34; from attaché to counsr. of legation, German For. Serv, Germany, D.C. & Portugal, 34-45; exec. secy, inter-univ. cmn, Univ. Göttingen, 45-47; res. sci. writer, Germany, Eng. & France, 47-52; for. affairs consult, League of Refugees, Germany, 52-55; res. sci. writer, Library Cong, D.C., 56-60; vis. prof. **POLIT. SCI.** Alma Col, 60-63; **PROF. & HEAD DEPT.** LIVINGSTONE COL, 63-; **CHMN. DIV. SOC. SCI.**, 64- Lectr, Univ. Halle & Hamburg, 32. Consult, W. German For. Off, 50-53. German Army, 15-20, Lt. Acad. Polit. & Soc. Sci; Acad. Polit. Sci; Polit. Sci. Assn. Foreign service organization and operation in the United States and other countries. Publ: Russian-German settlements in the U.S.; The diplomatic service: history and present organization in France, Great Britain and the United States; On Francis Lieber and his contribution to the law of nations of today, Holzner-Verlag, Würzburg, 64. Address: 924 W. Monroe St, Salisburg, N.C. 28144.

SALLEY, PROF. PAUL V, b. Boston, Mass, May 18, 25; m. 51; c. 7. **GEOGRAPHY**. B.S. Ed. Mass. State Col. Bridgewater, 50; M.A. Clark, 51. Instr. GEOG, Gorham State Col, 51-54; from instr. to **ASSOC. PROF.**, MASS. STATE COL. SALEM, 54-; **CHMN. DEPT.**, 59- U.S.A., 43-46, Sgt. Weather and climate; geography of the United States, Europe and Africa. Address: Dept. of Geography, Massachusetts State College at Salem, Salem, Mass. 01920.

SALMAN, DR. ARTHUR R(ONNY), b. New York, N.Y., Sept. 18, 37; m. 59; c. 3. **PSYCHOLOGY**. B.A. Queens Col.(N.Y.), 59; Pub. Health Serv. fel, Ohio State, 59-61, M.A., 62, Ph.D.(psychol), 65. Asst. instr. psychol, Ohio State, 62-63; clin. psychologist, Eglin Air Force Base Hosp, Fla, U.S. Air Force, 63-66, lectr. **PSYCHOL.** exten. center, Fla. State, 64-66; **ASST. PROF.** BRIDGEPORT, 66- Consult, voc. training prog, Bridgeport City Pub. Schs, 67-; consult. psychologist, Goodwill Voc. Rehab. Center, West. Conn. Bridgeport, 67- Mem. adv. bd, Nomic Child Guid. Center, 68- Psychol. Assn; Nat. Rehab. Assn. Personality theory, assessment and remediation of behavioral deviations; teaching and practice of clinical psychology; psychological testing and psychotherapy. Publ: Need for approval, improvisation, and attitude change, 64 & A projective measure of need for social approval, 65, U.S. Air Force Behav. Sci. Symp. Address: Dept. of Psychology, Weston Hall, University of Bridgeport, Bridgeport, Conn. 06602.

SALMAN, DR. RAYMOND D(ANIEL), b. New York N.Y., Oct. 10, 26; m. 48; c. 2. **EDUCATIONAL PSYCHOLOGY**. B.S. Long Island, 48; M.A. N.Y. Univ, 50; Ed.D.(psychol, guid), State Univ. N.Y. Albany, 66. Dir. remedial training prog, Canaan Sch. Dist, N.Y., 50-53; clin. psychologist, State Dept. Ment. Hyg, 53-54; sr. clin. psychologist, Bowman Gray Sch. Med, Wake Forest Col, 54-55; sch. psychologist, Amherst Pub. Schs, 55-57; assoc. psychol. serv, N.Y. STATE DEPT. ED, ALBANY, 57-65, supvr. prfnl. licensing, 65-66. **EXEC. SECY. BD. EXAM. PSYCHOLOGISTS**, 66- Lectr, Col. St. Rose, 60- Mem. res. adv. cmt, N.Y. State Dept. Ed. U.S.N.R., 43-44. Psychol. Assn. Functions of school psychology programs. Publ: Selection of severely mentally retarded for special class placement, State Univ. N.Y. 65; Individual psychological evaluation; co-auth, School psychologists in action. Address: 20 E. Bayberry Rd, Glenmont, N.Y. 12077.

SALMON, DR. DAVID WILLIAM, b. Salt Lake City, Utah, Nov. 30, 18; m. 43; c. 4. **POLITICAL SCIENCE, INDUSTRIAL RELATIONS**. M.A. Stanford, 42, Rosenberg fel, 44-45, Ph.D., 47. Instr. polit. sci, Washington (St. Louis), 46-49, asst. prof, 49-53; **DIR. RES. Cent. Conf. of Teamsters**, 53-68; **WEST. CONF. OF TEAMSTERS**, 68- Lectr, Washington (St. Louis), 53-68. Faculty supvr, Soc. Sci. Res. Coun. grants, 53-55. Consult, Santa Clara County Bd. Freeholders, 48; St. Louis Evacuation Area Survival Planning Cmt, 56. Polit. Sci. Assn; Indust. Rels. Res. Assn. Intra-labor politics; labor and community politics; collective bargaining. Publ: Saint Louis voting behavior study; Government in Santa Clara County Metropolitan area. Address: Western Conference of Teamsters, 1870 Ogden Ave, Burlingame, Calif. 94010.

- SALMON, DR. JACK DEAN, b. Chicago, Ill, Jan. 9, 39; m. 60; c. 2. POLITICAL SCIENCE. B.A., Kansas, 61, univ. fel. & Ph.D.(polit. sci), 65; Woodrow Wilson fel. & M.A., Yale, 62. ASST. PROF. POLIT. SCI., GONZAGA, 65-Prin. Investr., U.S. Higher Ed. Act res. grant, 67-68. Vis. prof., Sophia Univ., Japan, summer 68. Polit. Sci. Am. Comparative government, focusing on northeast Asian political systems; defense policy analysis, especially limited and sub-limited wars. Publ: On limiting nuclear wars, U.S. Army War Col, 67. Address: Dept. of Political Science, Gonzaga University, Spokane, Wash. 99202.
- SALOMON, PROF. ALBERT, Sociol, see 10th ed, Soc. & Behav. Vols, deceased 66.
- SALOMON, DR. ANN D(UGLASS), b. New London, Conn, Apr. 24, 17; wid. PSYCHOLOGY. B.A., Swarthmore Col, 39; fels, Duke, 39-40, 44, Ph.D.(psychol), 46. Instr. psychol, Brooklyn Col, 47-50; res. fel, Radcliffe Col, 50-51; lectr., New Eng. Conserv. Music, 51-54; res. assoc, Tufts, 55; res. & clin. fel, psychol, Mass. Gen. Hosp, 55-56; res. assoc, Mass. Ment. Health Center, 56-59; Boston Dispensary, 59-61; PSYCHOLOGIST, Mystic Valley Children's Clin, 61-62; CHILDREN'S HOSP. MED. CENTER, 62- Psychol. Asn. Perceptual and cognitive processes; personality theory. Publ: Visual field factors in the perception of direction, Am.J. Psychol; co-auth, Diagnostic aspects of psychiatric hospitalization of children, Am.J. Orthopsychiat. Address: 44 Langdon St, Cambridge, Mass. 02138.
- SALOMONE, PROF. A(RCANGELO) WILLIAM, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SALOUTOS, PROF. THEODORE, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SALSBUURY, DR. STEPHEN, Am. Econ. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SALTER, PROF. J(OHN) T(HOMAS), b. Three Oaks, Mich, Jan. 17, 98. POLITICAL SCIENCE. A.B., Oberlin Col, 21; Ph.D., Pennsylvania, 28. Instr. POLIT. SCI., Pennsylvania, 21-26; prof. & head dept, Ursinus Col, 26-27; asst. prof, Oklahoma, 27-28, ASSOC. PROF., 28-30; WISCONSIN, 30- Soc. Sci. Res. Coun. fel, 30-32; vis. prof, Stanford, 42-43; Fulbright prof, Philippines, 49-50; prof, Inst. Pub. Admin, 52-53; Smith Mundt prof, Nat. Chengchi Univ, Taiwan, 57-58; summers, consult. dean grad. sch, Pittsburgh, 58; Long Island, 60-61. Historian, U.S. War Dept, 45-46; chmn. spec. studies unit, War Assets Admin, 46-47. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. (asst. ed, Annals, 23-26). International and American politics; training for citizenship. Address: Dept. of Political Science, University of Wisconsin, Madison, Wis. 53706.
- SALTER, DR. PAUL SANFORD, b. Springfield, Mass, May 21, 26; m. 50; c. 3. GEOGRAPHY. B.S.Ed., Mass. State Col, 50; M.A., Indiana, 51; Ph.D.(geog), North Carolina, 65. Teacher, high sch, Mass, 51-56; instr. GEOG., Mass. State Col, 56-60; North Carolina, 63-64; ASST. PROF. MIAMI (FLA), 64-U.S.N., 44-46. Asn. Am. Geog. Economic, urban and settlement geography; climatology. Publ: Changing agricultural patterns on the South Carolina Sea Islands, J. Geog, 4/68. Address: Dept. of Geography, University of Miami, Coral Gables, Fla. 33124.
- SALTON, DR. GERARD, Appl. Math, see 11th ed, Phys. & Biol. Vols.
- SALTZ, PROF. ELI, b. Chicago, Ill, July 5, 26; m. 47; c. 2. PSYCHOLOGY. B.S., Illinois, 47; M.A., 48; Ph.D.(psychol), 51. Res. psychologist, human resources res. center, U.S. Dept. Air Force, 51-53, personnel & training res. center, 55-57; asst. prof. PSYCHOL., WAYNE STATE, 57-60, assoc. prof, 60-64, PROF., 64-, DIR., CENTER STUDY COGNITIVE PROCESSES, 61-Res. psychologist, Army Human Res. Unit, U.S.A., 53-55; Fulbright res. fel, Italy, 64-65. Psychol. Asn; Psychonomics Soc. Human learning; thinking; cognitive development. Address: Dept. of Psychology, Wayne State University, 474 W. Warren Ave, Detroit, Mich. 48202.
- SALTZMAN, PROF. IRVING J(ACKSON), b. Lawrence, Mass, Oct. 21, 23; m. 48; c. 4. PSYCHOLOGY. B.S., Massachusetts, 44; A.M., Duke, 45; Ph.D., Hopkins, 48. Asst. prof. PSYCHOL., INDIANA, 48-56, assoc. prof, 56-63, PROF., 63- Psychol. Asn. Learning; programmed instruction; foreign language learning. Publ: Writing Russian script, McGraw, 63; Maze learning in the absence of primary reinforcement; Comparisons of intentional and incidental learning. Address: Dept. of Psychology, Indiana University, Bloomington, Ind. 47401.
- SALVATORE, SANTO, b. Sicily, Italy, Jan. 4, 28; m. 55; c. 3. PSYCHOLOGY. A.B., Boston, 51, A.M., 52. Res. psychologist, Mass. Ment. Health Center, 53-57; res. & clin. psychologist, Butler Health Center, 57-59; RES. PSYCHOLOGIST, L.M. Zonn, Inc, 60-62; bur. pub. rd, Dept. Transportation, 62-68; DRIVING RES. LAB, U.S. PUB. HEALTH SERV, 68- Consult, Soc. Invest. Human Ecol, 55-60; nursing res, Mass. Ment. Health Center, 59. Mem. cmt. hwy. safety, Hwy. Res. Bd, Nat. Acad. Sci-Nat. Res. Coun, 63. U.S.A., 46-47. AAAS; Psychol. Asn. Human engineering; driving behavior; visual perception. Publ: Some related factors of the LSD-25 reaction, Psychiat. Quart; Progression of effects of LSD-25, Arch. Neurol. & Psychiat; The estimation of vehicular velocity as a function of visual stimulation, Human Factors, 2/68. Address: Driving Research Lab, U.S. Public Health Service, 235 Promenade St, Providence, R.I. 02908.
- SALVESON, DR. MELVIN E(RWIN), Oper. Res. Info. Sci, see 11th ed, Phys. & Biol. Vols.
- SALZ, DR. ARTHUR, Econ, see 10th ed, Soc. & Behav. Vols.
- SALZ, PROF. BEATE R, b. Heidelberg, Germany, Apr. 27, 13; nat. ANTHROPOLOGY, SOCIOLOGY. A.B., Ohio State, 41; M.S.Sc., New Sch. Soc. Res, 43, Ph.D.(sociol, econ), 50. Res. asst, Wenner-Gren Found, 45-47, asst. to dir. res, 47-50, res. assoc, 50-52; asst. prof. anthrop, North Carolina, 52-53, res. assoc, inst. res. soc. sci, 52-53; Chicago, 53-54; asst. prof. 80-
- CIOL. & ANTHROP, PUERTO RICO, 54-55, assoc. prof, 55-63, PROF., 63-, chmn. dept, 61-67. Fel. Anthropol. Asn. Industrialization; culture and society of Latin America and Caribbean; social and cultural change. Publ: Human element in industrialization, a hypothetical case study of Ecuadorian Indians. Address: College of Social Sciences, University of Puerto Rico, Rio Piedras, P.R. 00931.
- SALZBERG, DR. HERMAN C(ARL), b. Brooklyn, N.Y., July 8, 31; m. 55; c. 2. PSYCHOLOGY. B.S., Brooklyn Col, 53; Ph.D., Tennessee, 60. Instr. exp. psychol, Tennessee, 58-59; clin. staff psychologist, Vet. Admin. Hosp, Augusta, Ga, 59-66; ASSOC. PROF. PSYCHOL., SOUTH CAROLINA, 66- U.S.A., 53-55. Psychotherapy; abnormal psychology. Publ: Effects of hypnotic, post-hypnotic and waking suggestion on performance using tasks varied in complexity; Manipulation of verbal behavior in a group psychotherapeutic setting; Effects of multiple therapists in relinquishing a delusional system. Address: Dept. of Psychology, University of South Carolina, Columbia, S.C. 29208.
- SALZBERG, DR. THEODORE H, b. New York, N.Y., May 16, 17; m. 42; c. 2. PSYCHOLOGY. Ed.D.(psychol, ed), Denver, 51. Voc. & ed. counsr, Denver, 49-51, supvr. counseling center, 52-56, teacher acad. & indus. psychol, univ, 55-56; suprvy. psychologist, neuropsychiat. hosp, Vet. Admin. Center, Los Angeles, 56-65; CLASSIFICATION SPECIALIST, PEACE CORPS, 65-Dir. voc. guid. off, Jewish Family Serv, Colo, 51-52, consult, 52-; field psychologist, George Fry & Assocs, 52-55. U.S.A., 42-46, Capt. Psychol. Asn. Counseling psychology; rehabilitation. Publ: Review and critique, veterans administration counseling manual, J. Counseling Psychol; Employer attitudes toward hiring the emotionally handicapped, J. Rehab; Rehabilitative therapy for convalescent mental patients, In: Counseling and learning through small group discussion. Address: Office of Selection, Peace Corps, Washington, D.C. 20525.
- SALZINGER, DR. K(URT), b. Vienna, Austria, Nov. 15, 29; nat; m.55; c. 2. PSYCHOLOGY. A.B., N.Y. Univ, 51; A.M., Columbia, 52, Ph.D.(psychol), 54. Res. psychologist, Coun. Child Develop. Center, 53-55; sr. res. scientist, BIOMET. RES, 56-61, assoc. res. scientist, 61-67, PRIN. RES. SCIENTIST, 67-; RES. ASSOC., COLUMBIA, 61-; ASSOC. PROF. PSYCHOL., POLYTECH. INST. BROOKLYN, 64- Res. psychologist, Linden Hill Sch, N.Y., 54-56. Stratton Award psychopath, 64. AAAS; Psychol. Asn; Statist. Asn. General experimental and experimental abnormal psychology; verbal behavior; operant conditioning. Publ: Co-auth, Research in verbal behavior and some neurophysiological implications, Academic, 67; auth, Techniques for computing shift in a scale of absolute judgement, Psychol. Bull; co-auth, Reinforcement of affect responses of schizophrenics during the clinical interview. Address: Dept. of Social Sciences, Polytechnic Institute of Brooklyn, 333 Jay St, Brooklyn, N.Y. 11201.
- SALZMAN, DR. LEON, b. New York, N.Y., July 10, 15; m. 50; c. 4. PSYCHIATRY. B.S., City Col. New York, 35; M.D., Royal Col. Physicians & Surgeons, Scotland, 40. Assoc. prof. CLIN. PSYCHIAT., SCH. MED., GEORGETOWN, 55-62, PROF., 62- Private practice. Mem. faculty, Wash. Sch. Psychiat, 50-; vis. lectr., grad. sch, Catholic Univ, 54-; sch. med, Virginia, 58- Consult, St. Elizabeth's Hosp, D.C.; Nat. Inst. Ment. Health, 64- Dipl. Am. Bd. Psychiat. & Neurol, 48. U.S.P.H.S., 41-46, Asst. Surg. AAAS; Psychiat. Asn; Psychoanal. Asn; Acad. Psychoanal.(pres, 65). Bibliography on psychoanalytic subjects. Publ: Developments in psychoanalysis, Grune, 62; co-auth, Modern concepts of psychoanalysis, Philos. Library, 62; auth, Obsessional personality, Int. Sci, 68. Address: Washington School of Psychiatry, 1610 New Hampshire Ave. N.W., Washington, D.C. 20009.
- SALZMAN, DR. LEONARD F(RANKLIN), b. Brooklyn, N.Y., Nov. 2, 29; m. 52; c. 4. CLINICAL PSYCHOLOGY. B.S., Long Island, 51; Ph.D.(psychol), 54. Chief psychologist, Ment. Hyg. Clin, Ft. Jackson, S.C., 56-57; asst. prof. PSYCHIAT., SCH. MED., ROCHESTER, 57-64, ASSOC. PROF., 64- Staff psychologist, Walter Reed Army Hosp, Md, 54-56, Med.Serv.C, 53-57, 1st Lt. AAAS; Psychol. Asn. Perception and personality; development of clinical-psychiatric skills; exploration of psycho-analytic concepts of depression; mood and psychopathology; child development. Address: Dept. of Psychiatry, University of Rochester, School of Medicine, Rochester, N.Y. 14620.
- SAMELSON, DR. FRANZ, b. Breslau, Germany, Sept. 23, 23; nat; m. 55. PSYCHOLOGY. Dipl. Munich, 52; Soc. Sci. Res. Coun. fel, Michigan, 54-55, Ph.D.(psychol), 56. Asst. PSYCHOL., Michigan, 53-54, res. assoc, ment. health res. inst, 55-57; asst. prof, KANSAS STATE, 57-61, ASSOC. PROF., 61- Fulbright travel grant & guest prof, Giessen, 67-68. AAAS; Psychol. Asn; Soc. Psychol. Study Social Issues. Social influences on attitudes and personality; small group processes. Publ: Co-auth, Acquiescence and the F scale: old assumptions and new data, Psychol. Bull, 8/67. Address: Dept. of Psychology, Kansas State University, Manhattan, Kans. 66502.
- SAMENFELD, PROF. HERBERT W(ILLIAM), b. Newark, N.J., Mar. 7, 24; m. 48; c. 2. PSYCHOLOGY. A.B., Drew, 49; M.A., Minnesota, 51, Ph.D. (psychol), 54. Asst. prof. psychol, Conn. State Teachers Col, New Haven, 53-57; assoc. prof. PSYCHOL. & asst. dir. student personnel, NEWARK STATE COL, 57-62, PROF. & DEAN STUDENTS, 62- Counsr, Voc. Counseling Serv, Inc, Conn, 53-57. U.S.A.A.F., 43-46. Psychol. Asn; Personnel & Guid. Asn. Personality; counseling; group dynamics. Publ: Prediction of college achievement from ninth grade test scores, J. Higher Ed. Address: Dept. of Psychology, Newark State College, Union, N.J. 07083.
- SAMEROFF, DR. ARNOLD J, b. New York, N.Y., Apr. 20, 37; m. 65. PSYCHOLOGY. B.S., Michigan, 61; Ph.D.(psychol), Yale, 65. ASST. PROF. PSYCHOL. & PEDIAT., ROCHESTER, 67- Vet. Admin. trainee clin. psychol, 64-65; res. fels, Nat. Inst. Ment. Health, 65-66 & Nat. Inst. Child Health & Human Develop, 66-67. Psychol. Asn; Soc. Res. Child Develop. Cognitive and perceptual development in infancy and early childhood. Publ: Nonnutritive sucking in newborns..., Child Develop, 67; Components of sucking in the human newborn, J. Exp. Child Psychol, 68. Address: Dept. of Psychology, University of Rochester, Rochester, N.Y. 14627.
- SAMETZ, PROF. ARNOLD W(ILLIAM), b. New York, N.Y., Dec. 4, 19; m. 56; c. 2. ECONOMICS. Soc. Sci. Res. Coun. fel, Princeton, 47-48, univ. fel, 49,

Ph.D.(econ, 51. Instr. ECON, Princeton, 48-51, asst. prof, 51-57; assoc. prof, sch. commerce, N.Y. UNIV, 57-61, PROF, GRAD. SCH. BUS. ADMIN, 62-, RES. DIR, INST. FINANCE, 64- Lectr, Bache & Co, 59- Consult, Nat. League Insured Savings & Loan Assoc, 67-68. Mem. bd. dirs, New York Joint Coun. Econ. Ed, 61- U.S.N.R., 42-46, Lt. Am. Econ. Assn; Finance Assn; Royal Econ. Soc. Monetary theory and policy; income and employment theory; financial institutions and financial management. Publ: Co-auth, Financial management—an analytical approach, Irwin, rev. ed, 67 & The modern economy in action, Pitman, 67; auth, Trends in equity finance, J. Finance, 9/64. Address: Graduate School of Business Administration, New York University, 100 Trinity Place, New York, N.Y. 10006.

SAMKANGE, PROF. TOMMIE M, b. Jackson, Miss, Aug. 1, 32; m. 58; c. 2. PSYCHOLOGY. B.S. Tougaloo Col, 53, M.S. Indiana, 55, Ph.D.(psychol), 58. Teacher Utica Inst, Miss, 53-54; asst. prof. math, Tougaloo Col, 55-56; mkt. researcher, Salisbury, Rhodesia Prof. Rels, Africa, 58-64; assoc. prof. PSYCHOL, Tuskegee Inst, 64-67; PROF, TENNESSEE STATE, 67- Consult, community ed. prog, Tuskegee Inst, 66-67; tech. assistance expert, U.S. Off. Econ. Opportunity, 67- Mem. membership cmt, Int. Coun. Psychol, 61-64. AAAS: Psychol. Assn. Tests and measurements; developmental psychology; psychology of learning. Publ: A study of female academic probates at Tuskegee Institute, Savannah State Col. Bull, 65; Student unrest and its implication for curriculum, Tuskegee Inst. Conf. Bull, 66. Address: Box 543, Tennessee State University, Nashville, Tenn. 37203.

SAMLER, DR. JOSEPH, b. Warsaw, Poland, Oct. 25, 10; nat; m. 32; c. 2. PSYCHOLOGY. B.S. N.Y. Univ, 36, M.A., 37, Ph.D.(clin. psychol), 39. Mem. hq. staff, div. guid. & placement, New York Bd. Ed, 38-40; supvr. counseling & retraining div, Nat. Refugee Serv, 40-43; voc. retraining div, U.S. War Relocation Authority, 43-44; spec. asst. counseling serv, VET. ADMIN, 44-54, chief surv. officer, 54-56, asst. dir, voc. rehab. & ed. serv, 56-59, asst. dir. voc. counseling, 59-63, CHMN. VOC. REHAB. BD, DEPT. VET. BENEFITS, 63- Prof. lectr, American Univ, 49-57, adj. prof, 57-68; vis. prof, Maryland, 68- Dipl. Am. Bd. Exam. Prinl. Psychol, 55. U.S.N.R., 44; U.S.A.R., 53-57, Capt. Fel. Psychol. Assn; Personnel & Guid. Assn.(ed. jour, 55-63). Counseling psychology; mental hygiene; personality theory. Publ: Madison lectures in vocational rehabilitation, Univ. Wisconsin, 66; Change in values: a goal in counseling & Examination of client strength and counselor responsibility, J. Counseling Psychol. Address: 8725 Jones Mill Rd, Chevy Chase, Md. 20015.

SAMLI, DR. A. COSKUN, b. Istanbul, Turkey, July 21, 31; U.S. citizen; m. 59; MARKETING, ECONOMICS. B.A. Istanbul Acad. Commercial Sci, 53; M.B.A. Detroit, 56; Ph.D.(bus. econ), Mich. State, 62. Jr. acct. N.S. & Bros, Turkey, 53-54; assoc. prof. bus. admin, Sacramento State Col, 61-65; assoc. prof. mkt. sch. bus. & asst. dir. bus. res. bur, Southern Illinois, 65-66; ASSOC. PROF, BUS. ADMIN, GRAD. SCH. BUS. ADMIN. & ASST. DIR. RES. INST. BUS. & ECON, SOUTHERN CALIFORNIA, 66- Ford Found. regional faculty econ. res. fel, California, Los Angeles, summer, 63 & spring, 64; summers, Ford Found. Faculty Workshop in Mkt. fel, Univ. Chicago, 64, Int. Bus. Workshop fel, N.Y. Univ, 66. Econ. Assn; Mkt. Assn. Market research and forecasting; international business. Publ: Wholesaling in an economy of scarcity: Turkey, J. Mkt, 7/64; Exportability of American marketing knowledge, Bus. Topics, fall 65; The role of deficit financing in underdeveloped countries, Miss. Rev. Bus. & Econ, fall 67. Address: Graduate School of Business, Dept. of Marketing, University of Southern California, Los Angeles, Calif. 90007.

SAMMONS, ROBERT L(EE), b. Cambridge, Minn, Sept. 6, 12; m. 40; c. 6. ECONOMICS. A.B. George Washington, 40, M.A., 43; M.P.A. Harvard, 60. Chief balance of payments div, U.S. Dept. Commerce, 47-53; statist. consult, P.R. Planning Bd, 53-56; chief Latin Am. Sect, FED. RESERVE BD, 56-61, ASSOC. DIR. DIV. INT. FINANCE, 61- Econ. Assn. International finance; national income; economics of Latin America. Address: 812 Tanley Rd, Silver Spring, Md. 20904.

SAMOORE, ARTHUR S(ETRAK), b. Benton Harbor, Mich, Aug. 24, 07; m. 39; c. 2. ECONOMICS. B.S. Illinois, 31, M.S. 50. Asst. prof. econ. & bus. mgr, ILL. Col, 44-52; FINANCIAL OFFICER, TREAS. & ASST. SECY, BD. GOV, STATE COLS. & UNIVS, 52- Econ. Assn. Accountancy; finance. Publ: Financial management, a comprehensive evaluation of suggested principles for college financial management. Address: Board of Governors of State Colleges & Universities, 222 College St, Springfield, Ill. 62706.

SAMORA, PROF. JULIAN, b. Pagosa Springs, Colo, Mar. 1, 20; m. 42; c. 5. SOCIOLOGY. A.B. Adams State Col, 42; Inst. Int. Ed. fel, Colorado, 43-44, M.S. 47; Wisconsin, 48-49; John Hay Whitney Found. fel, Washington (St. Louis), 51-52, Ph.D.(sociol. & anthrop), 53. From instr. to assoc. prof. sociol. & anthrop, Adams State Col, 44-55; asst. prof. prev. med. sch. med, Colorado, 55-57; sociol. & anthrop, Mich. State, 57-59; assoc. prof. sociol, Notre Dame, 59-63, prof. & head dept, 63-66; Ford Found. prog. adv. pop, Mexico & Cent. Am, 66-67; PROF. SOCIOL, NOTRE DAME, 67- Lectr, inst. race rels, Fisk, 54; vis. prof, Nat. Univ. Colombia, 63-64; California, Los Angeles, summer, 64. Consult, State Dept. Pub. Health, N.Mex, 57-59; U.S. Cmn. Civil Rights, 62; U.S. Dept. Pub. Health, 63-67; Ford Found, 65- Mem. Governor's Anti-Discrimination Cmn, Colo, 55-57; Nat. Adv. Cmn. Rural Poverty, 67-68; President's Cmn. Income Maintenance, 68- Sociol. Assn. Publ: Ed, La Raza—forgotten Americans, Notre Dame, 66; co-auth, Mexican-Americans in a mid-west metropolis, Univ. California, 67; auth, Medical care program in a Colorado community, In: Health, culture and community. Address: Dept. of Sociology, University of Notre Dame, Notre Dame, Ind. 46556.

SAMPLE, DR. L(ILLIE) L(AETITIA), b. Wenatchee, Wash, Dec. 14, 24. ANTHROPOLOGY. A.B. Whitman Col, 46; California, 47-50; Ph.D.(anthrop), Wisconsin, 67. ASST. PROF. ANTHROP, Arizona State, 64-66; LA. STATE, NEW ORLEANS, 67- Am. Anthropol. Assn; Royal Anthropol. Assn. Korean Br. Yakima and Wishram culture; trade in aboriginal western North America; Chumash ethnohistory; prehistory of the American Southwest; Korean Neolithic archaeology; family economy in Korea. Publ: Co-auth, Chosen shinselkijidai shoki no doki-kennen ni kansuru shen-shiryō, Chosen Gakuhi,

11/66, The sacred bundle complex among the Chumash, Proc. Am. Philos. Soc, 2/67 & Chosen kogen-do no kushimemon doki, Sekki Jidai, 3/67. Address: Dept. of Anthropology, Louisiana State University in New Orleans, New Orleans, La. 70122.

SAMPLINER, DR. ROBERT B(RUCE), Neurol, Psychiat, see 11th ed, Phys. & Biol. Vols.

SAMPSON, EDGAR N(IELD), b. Racine, Wis, Mar. 4, 25; m. 57; c. 2. SOCIOLOGY. B.S. Wisconsin, 49; M.A. New Mexico, 51. Instr. sociol, Maryland, 53-56; rehab. training officer, COLO. STATE REFORMATORY, 57-67, TREATMENT SUPVR, 67- U.S.A.A.F., 43-46. Sociol. Assn; Correctional Assn. Criminology; juvenile delinquency. Address: Colorado State Reformatory, Buena Vista, Colo. 81211.

SAMPSON, PROF. EDWARD E(UGENE), b. Chicago, Ill, Dec. 4, 34. SOCIAL PSYCHOLOGY. B.A. California, Los Angeles, 56; fel, Michigan, 59-60, Ph.D.(soc. psychol), 60. Asst. soc. psychol, Michigan, 57-60; asst. prof. PSYCHOL, CALIFORNIA, BERKELEY, 60-66, ASSOC. PROF, 66- Psychol. Assn; Sociol. Assn; Acad. Polit. & Soc. Sci. Small group processes; motivation; culture; social structure and personality; relationships in small groups. Publ: Approaches, contexts and problems of social psychology, Prentice-Hall, 64; Birth order, need achievement and conformity, J. Abnorm. & Soc. Psychol; Stirrings out of apathy: student activism and the decade of protest, J. Soc. Issues, 7/67. Address: Dept. of Psychology, University of California, Berkeley, Calif. 94720.

SAMPSON, DR. HAROLD, b. Oak Park, Ill, May 16, 25; m. 54. PSYCHOLOGY. Ph.D.(psychol), California, 53. Staff psychologist, Vet. Admin. Ment. Hyg. Clin, San Francisco, Calif, 53-54, asst. chief psychologist in charge res, 55; dir. res. proj, State Dept. Ment. Hyg, Calif, 55-61; psychologist, Mt. Zion Psychiat. Clin, 61-65, DIR. RES. DEPT. PSYCHIAT, MT. ZION HOSP, 65- U.S.A., 43-46. Psychol. Assn. Psychoanalysis; psychotherapy. Address: Dept. of Psychiatry, Mt. Zion Hospital, 1600 Divisadero, San Francisco, Calif. 94119.

SAMPSON, PROF. LUMAN W(EST), Sociol, see 10th ed, Soc. & Behav. Vols.

SAMPSON, DR. PATSY H(ALLOCK), b. Picher, Okla, July 9, 32; m. c. 3. PSYCHOLOGY. B.A. Oklahoma, 61; Nat. Inst. Ment. Health fel, Cornell, 65-66, Alpha Lambda Delta, Kappa Kappa Gamma & univ. fels. & Ph.D.(psychol), 66. Mem. summer teaching staff psychol, Cornell, 66; ASST. PROF, sociol, State Univ. N.Y. Binghamton, 66-67; PSYCHOL, WELLESLEY COL, 67- State Univ. N.Y. Res. Found. res. grant, 66-67; asst. soc. psychologist, McLean Hosp, Belmont, 68- Consult, Page Mem. Nursery Sch. Wellesley, 67- Psychol. Assn. Experimental social psychology; comparative social psychology; experimental investigations of relations between social and physiological variables in behavior; physiological psychology. Publ: Co-auth, Picture recognition as an index of social sensitivity in chronic schizophrenia: the effects of chlorpromazine, J. Consult. Psychol, 62. Address: Dept. of Psychology, Wellesley College, Wellesley, Mass. 02181.

SAMPSON, PROF. PHILIP B(OWEN), b. Newton, Mass, Dec. 5, 21; m. 51; c. 2. PSYCHOLOGY. B.S. Tufts Col, 52; Ph.D. Rochester, 57. Base mgr, E.Coast Aviation Corp, 46-48; chief pilot aviation psychol, Ed. Res. Corp, 47-52; asst. prof. PSYCHOL, TUFTS, 55-61, ASSOC. PROF, 61- Consult, dir. defense res. & eng, U.S. Dept. Defense, 58- U.S.A.F., 42-46, Res, 46-, Maj. Psychol. Assn; Human Factors Soc. Experimental and engineering psychology; vision. Address: Dept. of Psychology, Tufts University, Medford, Mass. 02155.

SAMPSON, PROF. ROY J(OHNSON), b. Elmwood, Tenn, Mar. 3, 19; m. 42; c. 4. ECONOMICS. B.S. Tenn. Polytech, 46; M.B.A. California, 48, Ph.D., 51. Instr. mgt, Utah, 50-51; economist, Off. Price Stabilization, 51-53; from asst. prof. to assoc. prof. & head dept. bus. admin, Pacific, 53-55; from asst. prof. to assoc. prof. econ, Tex. Tech. Col, 55-59; asst. prof. TRANSPORTATION, OREGON, 59-62, assoc. prof, 62-65, PROF, 65- U.S.N., 42-45. Econ. Assn; Soc. Traffic & Transportation. Transportation and public utility economics; business and government; economic history and development. Publ: Co-auth, American economic development; Understanding our economy, 64 & 67 & Domestic transportation, 66, Houghton. Address: College of Business Administration, University of Oregon, Eugene, Ore. 97403.

SAMSON, PROF. DEL, b. Lake Ariel, Pa, Apr. 28, 24; m. 53; c. 1. SOCIOLOGY. B.S. Pa. State, 48, M.S. 49, Ph.D.(sociol), 53. Instr. rural sociol, Pa. State, 53; res. assoc, State Dept. Health, Pa, 54; from asst. prof. sociol. & rural sociol. to PROF. SOCIOL, MONTANA STATE, 54-, HEAD DEPT, 68- U.S.N.R., 43-46, Lt.(jg). Sociol. Assn. Medical sociology; social psychology; small group research. Publ: Co-auth. & ed, Readings in introductory sociology, In: Selected academic readings, Simon & Schuster, 66. Address: Dept. of Sociology, Montana State University, Bozeman, Mont. 59715.

SAMSON, DR. NELSON T, Forest Econ. & Mgt, see 11th ed, Phys. & Biol. Vols.

SAMUELS, DR. HENRY, b. New York, N.Y., July 19, 17; m. 45; c. 3. PSYCHOLOGY. B.A. N.Y. Univ, 38, M.A. 41; Ph.D.(psychol), Michigan, 50. Instr. psychol, Rochester, 49-50; chief psychologist, Vet. Admin. Center, Dayton, Ohio, 50-51; Vet. Admin. Clin, Columbus, 51-53; CONSULT. PSYCHOLOGIST, 53- Clin. psychol. consult, student health serv, Ohio State, 57-, lectr, univ, 65- U.S.A., 41-46. Psychol. Assn; Group Psychother. Assn. Individual psychotherapy; projective techniques. Address: 2356 Brentwood Rd, Bexley, Ohio 43209.

SAMUELS, J(AMES) KENNETH, b. Canton, Ohio, Nov. 1, 07; m. 38; c. 2. AGRICULTURAL ECONOMICS & MARKETING. B.Sc. Ohio State, 32, M.Sc., 41. Economist, fruit & vegetable sect, coop. res. & serv. div, farm credit admin, U.S. DEPT. AGR, 43-53, dir. mkt. FARMER COOP. SERV, 53-67, ASST. ADMINSTR. MKT. & FARM SUPPLIES PROG, 67- Consult, Agency

Int. Develop. Turkey, 60, Brazil, 65 & Paraguay, 67. Mkt. Asn. Cooperative marketing in agriculture; improving marketing in Paraguay; cooperative marketing and processing. Publ: Citrus packinghouse costs in California, Farm Credit Admin. Circular; Wholesale distribution of citrus fruits. Address: 2905 McKinley St. N.W., Washington, D.C. 20015.

SAMUELS, DR. WARREN JOSEPH, b. New York, N.Y., Sept. 14, 33; m. 54; c. 2. ECONOMICS. B.B.A., Miami (Fla), 54; Knapp fel, Wisconsin, 54-55, M.S., 55, Ph.D.(econ), 57. Asst. prof. ECON., Missouri, 57-58; Ga. State Col., 58-59; Miami (Fla), 59-62, assoc. prof, 62-68; PROF. MICH. STATE, 68- Danforth assoc, 67- Asn. Evolutionary Econ; Econ. Asn. History of economic thought; law and economics; methodology; government and business. Publ: The classic theory of economic policy, World, 66; Legal-economic policy: a bibliographic survey, Law Library J., vol. 58, 65; Edwin E. Witte's concept of the role of government in the economy, Land Econ, vol. 43, 67. Address: Dept. of Economics, Michigan State University, East Lansing, Mich. 48823.

SAMUELSON, PROF. EMIL EMANUEL, b. Port Wing, Wis., Nov. 20, 98; m. 25; 61; c. 2. EDUCATIONAL PSYCHOLOGY. B.A., Milton Col., 25; M.A., Wisconsin, 30, Ph.D.(ed. admin, psychol), 32. Teacher, pub. schs., 18-29; dean students, CENT. WASH. STATE COL., 32-64, PROF. PSYCHOL., 64-, chmn. dept. ed. & psychol, 32-47, placement dir, 32-57. Academic success of college students who have previously suffered academic failure. Publ: You'd like teaching, Craftman's Press, 46. Address: 403 E. Seventh, Ellensburg, Wash. 98926.

SAMUELSON, PROF. PAUL A(NTHONY), b. Gary, Ind., May 15, 15; m. 38; c. 6. ECONOMICS. B.A., Chicago, 35, LL.D., 61; Soc. Sci. Res. Coun. fel, Harvard, 35-37, M.A., 36, Ph.D.(econ), 41; LL.D., Oberlin Col., 61, Boston Col., 64, East Anglia, 66, Indiana, 66, Michigan, 67. From asst. prof. to PROF. ECON. MASS. INST. TECH., 40- Guggenheim fel, 48-49; Ford faculty res. fel, 58-59. Consult. Nat. Resources Planning Bd., 41-43; War Prod. Bd., 45; U.S. Treas., 45-52; Rand Corp., 49-; adv. President's Nat. Goals Cmn., 60. Mem. adv. bd. Nat. Cmn. Money & Credit, 58-60; Nat. Task Force Econ. Ed., 60-61; res. adv. bd. Cmt. Econ. Develop., 60-; cmm. soc. sci. Nat. Sci. Found., 67. Soc. Fels, Harvard, 37-40. Econ. Asn.(Clark medal, 47; v.pres, 55, 1st v.pres, 60, pres, 61); Economet. Soc.(v.pres, 60, pres, 61); Philos. Soc.; Am. Acad. Arts & Sci.; fel. Brit. Acad.; Int. Econ. Asn.(pres, 65-68). Economic theory; mathematical economics; income determination; fiscal policy and business cycles; international trade and economic development; econometrics and scientific methodology; forecasting and stochastic processes; history of thought; national policy formulation. Publ: Economics: an introductory analysis; Foundations of economic analysis; co-auth. Linear programming and economic analysis. Address: Dept. of Economics, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

SANBORN, DR. KENNETH O(SCAR), b. Manchester, N.H., June 19, 27; div; c. 2. EDUCATIONAL PSYCHOLOGY. B.A., New Hampshire, 48; fel. Hogg Found. Ment. Health, 54-55; Ph.D.(ed. psychol), Texas, 55. Proj. dir. indust. psychol, Sci. Res. Assoc., 55-58; clin. psychologist, Colo. Springs Child Guid. Clin., 58-60; Hawaii State Hosp., 60-62; assessment coordinator, Hilo Peace Corps Training Center, Univ. Hawaii, 62-66, CULTURAL ADJUST. COORDINATOR, ASIA TRAINING CENTER, UNIV. HAWAII-AGENCY INT. DEVELOP., 66- Dir. mgt. psychol. Consult. Center, Honolulu, Hawaii, 62-64; res. psychologist, voc. rehab. admin. proj. 891, Hawaii State Hosp., 62-66; invest. Nat. Inst. Ment. Health, 65-; consult. hosp. improv. proj. 65- U.S.N.R., 45-46. Psychol. Asn. International psychology; behavioral correlates of rehabilitation of mental patients; ethnic differences in behavior; cross cultural training models. Publ: Co-auth. Characterizing the differences in psychopathology of several ethnic groups, East-West, 66; Effectiveness overseas, Peace Corps, Nat. Inst. Ment. Health Conf. Proc., 62; The rehabilitation of chronic schizophrenics, Report of Voc. Rehab. Admin. Proj. 891, 67. Address: Asia Training Center, University of Hawaii Agency for International Development, 915 15th St., Honolulu, Hawaii 96818.

SANCHEZ-HIDALGO, DR. EFRAIN, b. Moca, P.R., Apr. 29, 18; m. 47; c. 2. PSYCHOLOGY. B.A., Puerto Rico, 39; M.A., Columbia, 40, Ph.D.(soc. psychol), 51. Sr. training officer, Vet. Admin. Center, San Juan, 46-47; tech. adv. statist. & exam. off. of registr., UNIV. PUERTO RICO, 47-51, PROF. PSYCHOL., 51-, dir. off. eval. & guid., 54-56. Secy. of ed. & pres, Superior Ed. Coun., P.R., 57-60. Pidal award, 39; Aguilar award, Univ. Puerto Rico, 39. Personality and culture; evaluation; human social development. Publ: Psicología educativa; Study of the symbiotic relationship between friends; Psicología de la crianza. Address: 152 Mimosa St, Reparto Santa Maria, Rio Piedras, P.R. 00927.

SAND, DR. FRANCIS M, b. Cape Town, S.Africa, Jan. 27, 33; m. 56; c. 3. STATISTICS, MATHEMATICS. B.S., Cape Town, 53; Columbia, 56-57; M.S., Polytech. Inst. Brooklyn, 58; Ph.D.(math), Princeton, 63. Instr. math, Polytech. Inst. Brooklyn, 54-57; Rutgers, 60-63; statistician, C-E-I-R Ltd, Eng, 63-65; RES. MATHEMATICIAN, MATHEMATICA, INC., 65- Am. Statist. Asn; Math. Soc; fel. Inst. Math. Statist; fel. Royal Statist. Soc. Multivariate statistical analysis; development of effective large-scale computer programs for statistical analyses with many variables; applications of utility theory and game theory to disarmament. Address: 126 Clover Lane, Princeton, N.J. 08540.

SANDAGE, PROF. C(HARLES) H(AROLD), b. Hatfield, Mo., Aug. 21, 02; m. 24; c. 1. ECONOMICS. A.B., Iowa, 26, M.A., 27, Ph.D.(econ), 31. Asst. prof. bus, Simpson Col., 27-28; Kansas, 28-29; asst. & assoc. prof, Miami (Ohio), 29-35, prof. mkt. & dept. head, 37-42; chief div. commun, U.S. Census Bur., 35-37; vis. prof. bus. res. bus. sch, Harvard, 42-44; v.pres. & dir. res. Inst. of Transit Advert., 44-46; PROF. ADVERT. & HEAD DEPT., ILLINOIS, URBANA, 46- Consult, Fed. Commun. Cmn., 57-59. Acad. Advertising; Statist. Asn; Econ. Asn; Mkt. Asn. Advertising effects; radio and television audience measurement; consumer buying motivations. Publ: Advertising theory and practice, Irwin, 1st ed, 36, co-auth, 7th ed, 67; Role of advertising; auth., Promise of advertising. Address: 106 W. Meadows, Urbana, Ill. 61801.

SANDBERG, DR. JOHN HILMER, b. Ashland, Wis., June 21, 30; m. 54; c. 2. EDUCATION, PSYCHOLOGY. B.S., Wisconsin, 52; M.A., Virginia, 57, Ed.D.

(ed. psychol), 63. Specialist curriculum develop, Dept. Pub. Instr., Harrisburg, Pa., 62-63; from asst. prof. to ASSOC. PROF. PSYCHOL. & ED., CARNEGIE-MELLON, 63- U.S.N., 52-55, Lt.(jg). Psychol. Asn. Education of gifted children; teaching of psychology; teacher education. Publ: Co-auth, Curriculum components and organization, Rev. Ed. Res, 63; auth, Computers and education, Carnegie Rev, 64; An independent study course for able high school students, Soc. Ed., 64. Address: Dept. of Psychology, Carnegie-Mellon University, Pittsburgh, Pa. 15213.

SANDELIUS, PROF. WALTER E(DWARD), b. Centerville, S.Dak., Aug. 25, 97. POLITICAL SCIENCE. A.B., Idaho, 19; dipl. Oxford, 21, B.Litt, 22; fel, Brookings Inst., 26-27, Ph.D., 27. Instr. POLIT. SCI., KANSAS, 23-24, asst. prof, 24-26, assoc. prof, 28-35, PROF., 35- Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Political theory; national sovereignty versus the rule of law; American state constitutions. Publ: Reason and political power; Whither political science?, monogr, Govt. Res. Center, Univ. Kansas, 67. Address: Dept. of Political Science, University of Kansas, Lawrence, Kans. 66045.

SANDER, DR. LOUIS W, Psychiat, see 11th ed, Phys. & Biol. Vols.

SANDERS, DR. BARKEV S(AHAK), b. Van, Turkey, July 2, 03; m. 30; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.S., Mass. State Teachers Col. Bridgewater, 26; M.A., Columbia, 27, Ph.D.(sociol), 34; res. fel, Brookings Inst., 30-32; LL.B., Georgetown, 40, J.D., 66. Med. statistician, Vet. Admin., 29; res. analyst, White House Conf. Child Health, 30; consult. statistician & actuary, Cmt. Study Automobile Accident Compensation, 31; med. statistician, div. ment. hyg., U.S. Pub. Health Serv., 32-33, psychologist, 33-35; tech. dir., Attorney Gen. Surv. Release Procedures, U.S. Dept. Justice, 35-37; sect. chief, div. health studies, Soc. Security Bd., 37-40, chief, div. health & disability studies, 40-48, disability studies, Off. Cmn. Soc. Security, 48-50, res. consult. anal. div. Bur. Old Age & Survivors Ins., Soc. Security Admin., 50-55, div. disability opers, 55-56; div. med. serv. pub. health practice br., U.S. Pub. Health Serv., 56-64; CONSULT. STATIST. & ACTUARIAL, GRAD. SCH. PUB. HEALTH, PITTSBURGH, 64-; ACTUARIAL & HEALTH, UNITED MINE WORKERS AM. WELFARE & RETIREMENT FUND, D.C., 64- Lectr., Soc. Security Bd., 37-47; grad. sch., Catholic Univ., 51-54, sch. nursing, 52-59; schs. hyg. & med, Hopkins, 52-56; prof. lectr., American Univ., 48-58. Res. supvr., Fed. Emergency Relief Admin., 34; Works Prog. Admin., 35; res. analyst, President's Cmn. Vet. Pensions, 55-56. Prin. investr. Patent Trademark & Copyright Res. Inst. George Washington, 54- Consult. health care costs, U.S. Bur. Budget, 65-66. Mem. Soc. Security Mission to Japan, U.S. Dept. Defense, 47; Conf. Radiol. Health, 64- Statist. Asn; fel. Pub. Health Asn; Am. Risk & Ins. Quantitative studies on health; methods to assess a community's health levels; medical economics; estimation of costs of ill health; application of statistical methods to the measurement of invention and technological progress; private pension plans, their cost and management vis a vis government encroachments for control. Publ: Measuring community health levels, Am. J. Pub. Health, 7/64; What would medicare cost? J. Risk & Ins, 12/65; Appraisal of the recommendations of the President's commission on the patent system, Idea, 67. Address: United Mine Workers of America, Welfare & Retirement Fund, 907 15th St. N.W., Washington, D.C. 20005.

SANDERS, DR. DAVID H, b. Brooklyn, N.Y., Apr. 25, 35; m. 57; c. 3. PSYCHOLOGY. B.B.A., City Col. New York, 56, M.S., 57; Ph.D.(clin. psychol), Adelphi, 61. Asst. City Col. New York, 56-57; psychol. training, Adelphi, 57-59, 59-60; psychol. trainee, Vet. Admin. Hosps., Northport, N.Y., 59, Palo Alto, Calif., 60-61, staff clin. psychologist, 61, psychologist, 62-63; RES. ASSOC. PSYCHOL., Stanford, 63-67; PORTLAND STATE COL., 67- Consult, Ark. State Hosp., Benton, 66-; Ft. Logan Ment. Health Center, Denver, Colo., 66-; Harlem Gen. Hosp., New York, N.Y., 66-; Vet. Admin. Hosps., Sheridan, Wyo., 66, Roseburg, Ore., 66-67, Tuscaloosa, Ala., 67, Palo Alto, Calif., 67-, San Francisco, Calif., 67-; El Camino House, Belmont, Calif., 67- Psychol. Asn. Experimental social innovation; social-clinical psychology field research in mental health and narcotic addiction. Publ: Co-auth, Treating mental illness in the community an experiment in social innovation, In: Social psychology in treating mental illness: an experimental approach, Wiley, 64; auth, The effect of group membership on community adjustment, In: Rehabilitating the narcotic addict, Voc. Rehab. Admin., 67. Address: Institute for the Psychological Study of Living Systems, Portland State College, P.O. Box 751, Portland, Ore. 97207.

SANDERS, DR. ELLA MOYE, b. Tarboro, N.C., Aug. 8, 23. PSYCHOLOGY. B.S., Roosevelt, 50; M.A., American Univ., 53; Hogg. Found. intern., 56-57 & fel, 57-58, Texas, Ph.D.(psychol), 58. Psychologist, testing & counseling center, Texas, 58; student counseling center, California, Los Angeles, 58-59; Sanders-Young Assoc., 59-61; res. psychologist, Integrating Child & Soc, 61; psychologist, Long Beach Vet. Admin. Hosp., 61-67; LECTR., SANTA ANA COL., 67- Private practice, 59-; lectr., Calif. State Col. Long Beach, 63-64; Long Beach City Col., 66-67; summers, assoc. dir. Nat. Defense Ed. Act. Counseling Inst. Col. William & Mary, 60, lectr., 61. U.S.M.C., 43-46, 48-50. Psychol. Asn; Personnel & Guid. Asn.(award, 60). Psychological, biochemical and value changes related to psychotherapy; psychological and physiological variables in relation to electroencephalography and anti-convulsive drugs; adolescent, individual and group psychotherapy. Publ: Verbal-quantitative ability and certain personality and metabolic characteristics of male college students, Ed. & Psychol. Measurement. Address: 2850 Mesa Verde Dr, Costa Mesa, Calif. 92626.

SANDERS, DR. IRWIN T(AYLOR), b. Millersburg, Ky., Jan. 17, 09. SOCIOLOGY. A.B., Washington & Lee, 29; Princeton Theol. Sem., 32-33; Ph.D., Cornell, 38. Asst. prof. sociol., Ala. Col., 38-40; from asst. prof. to distinguished prof., Kentucky, 40-56; res. dir., Assocs. for Int. Res., Inc., 56-59; prof. sociol. & chmn. dept. sociol. & anthropol., Boston, 59-62; assoc. dir. int. training & res. prog., Ford Found., 62-66; V.PRES. ED. & WORLD AFFAIRS, 67- Consult, UN; Food & Agr. Orgn; Am. Farm Sch., Greece. Award, Am. Philos. Soc.; Royal Order of Phoenix, Greece. Sociol. Asn; Soc. Appl. Anthropol.; Rural Sociol. Soc.; Anthropol. Asn; Acad. Polit. & Soc. Sci.; N.Y. Acad. Sci. Community organization; peasant societies; Balkan region. Publ: Balkan village; The community: an introduction to a social system; Rainbow in the rock: the people of rural Greece. Address: 415 E. 52nd St., New York, N.Y. 10022.

SANDERS, DR. J(ESSE) T(HOMAS), Agr. Econ, see 10th ed, Soc. & Behav. Vols.

SANDERS, DR. KEITH P, b. Ashland, Ohio, Sept. 25, 38; m. 67; c. 1. JOURNALISM, MASS COMMUNICATION. B.S. Bowling Green State, 60, M.S. Ohio, 63, Ph.D. (mass comm), Iowa, 67. Instr. JOURNALISM, Bowling Green State, 63-64, Iowa, 65-67; ASST. PROF. MISSOURI, COLUMBIA, 67-68. Ed. Journalism; Nat. Soc. Study Comm. Multivariate analysis of problems in the field of interpersonal and mass communications, especially the role of the communicator. Publ: Collapse of press-radio news bureau, Journalism Quart, 44: 225-230. Address: Dept. of Journalism, University of Missouri, Columbia, Mo. 65201.

SANDERS, DR. MERRITT W(ILLIAM), b. Avoca, Pa, Jan. 28, 12; m. 42; c. 1. PSYCHOLOGY. A.B. Drew, 40, Tiptoe fel. & B.D., 43; univ. fel. N.Y. Univ, 45-46, Ph.D. (ed. psychol), 50. Instr. N.Y. Univ, 46-50; from asst. prof. to prof. psychol, Kans. State Teachers Col, 50-53, chmn. dept. psychol. & dir. bur. measurements, 53-66; PROF. PSYCHOL, CHMN. DEPT. & DIR. EVAL. CENTER, BLOOMSBURG STATE COL, 66- AAAS; Psychol. Assn. Educational evaluation; student personnel accounting; academic success predictions. Publ: Co-auth, Kansas high school senior comprehensive examinations. Address: 125 Sherwood Dr, Bloomsburg, Pa. 17815.

SANDERS, DR. NICHOLAS M, b. Memphis, Tenn, May 7, 39; m. 66. EDUCATIONAL PSYCHOLOGY. A.B. Antioch Col, 62; Ph.D. (ed. psychol), Texas, Austin, 67. ASST. PROF. ED. PSYCHOL, PA. STATE, 67- Psychol. Assn; Soc. Psychol. Study Social Issues; Ed. Res. Assn. Experimental concept learning; intellectual abilities; cognitive development. Address: Dept. of Educational Psychology, E.P.C. II, Pennsylvania State University, University Park, Pa. 16802.

SANDERS, PROF. RALPH, b. Philadelphia, Pa, June 14, 27; m. 55; c. 4. INTERNATIONAL RELATIONS, POLITICAL SCIENCE. B.S. Georgetown, 50, M.S. 52, Ph.D. 58. Mil. plans analyst, hq. U.S. Dept. Air Force, 51-58, mutual security analyst, 58-60; asst. prof. polit. sci, INDUSTRY COL. ARMED FORCES, 60-67, PROF. PUB. ADMIN, 67- Lectr, Dunbarton Col, 55; American Univ, 59, adj. prof, 66- Consult. for policy res. inst, Pennsylvania, 59- Distinguished serv. award, Indust. Col. Armed Forces, 64-67. U.S.A.A.F., 45-46. Polit. Sci. Assn; Acad. Polit. & Soc. Sci; Soc. Hist. Tech. Social and economic implications of atomic energy; relationship of science and technology to government; systems analysis and the political process. Publ: Project plowshare: the peaceful uses of nuclear explosions, Pub. Affairs Press, 62; The autumn of power: the scientist in the political establishment, Bull. Atomic Scientists, 67; Three dimensional warfare: World War II, In: Technology in western civilization, Oxford Univ, 67. Address: 4416 Butterworth Place N.W., Washington, D.C. 20016.

SANDERS, DR. RICHARD, b. New York, N.Y., Sept. 15, 20; m. 42; c. 2. PSYCHOLOGY. B.S. City Col. New York, 41; M.A. Michigan, 48, Ph.D. 51. Trainee clin. psychol, Vet. Admin. Hosps. & Clins, Mich, 46-49; lectr. psychol, Michigan & asst. psychologist, neuropsychiat, inst, Univ. Hosp, 49-50; clin. psychologist, Vet. Admin. Hyg. Clin, Madison, Wis, 50-51, chief clin. psychol, Milwaukee, 51-52, asst. chief clin. psychol, Vet. Admin. Hosp, Perry Point, Md, 52-56; dir. psychol. serv, PHILA. STATE HOSP, 56-67, DIR. RES. & PLANNING, 67- Consult, Womens Christian Alliance, Phila, Pa, 60- Mem. ment. health proj. grants to community progs. cmt, Nat. Inst. Ment. Health, 63, hosp. improvement grants cmt, 64-66, small grants cmt, 67- Dipl. Am. Bd. Exam. Prfnl. Psychol, 55. U.S.A., 43-46. Fel. Psychol. Assn. Milieu therapy; psychotherapy; personality theory. Publ: Co-auth, Chronic psychosis and recovery—an experimental approach, Jossey-Bass, 67; Relationship between certain examiner personality variables and subjects' Rorschach scores, J. Proj. Tech; Social treatment of the male chronic mental patient, J. Nervous & Ment. Diseases. Address: 19 Sunflower Rd, Levittown, Pa. 19056.

SANDERS, DR. RICHARD A(LBERT), b. Portsmouth, Va, Aug. 27, 30; m. 51; c. 5. PSYCHOLOGY. B.A. (Eng.) & B.A. (ed), West. Wash. State Col, 51; M.A. Arkansas, 60, Nat. Defense Ed. Act fel, 59-62, Ph.D. (psychol), 62. Teacher, pub. schs, Ariz, Colo, Mex. & Wyo, 52-59; res. asst. psychol, Arkansas, summer 60; psychologist, NORFOLK STATE HOSP, 62-64, res. coordinator, 64-67, ASST. CHIEF PSYCHOL, 67-, DIR. N.E. MENT. HEALTH CLIN, 67- Asst. prof, Wayne State Col, 67- AAAS; Asn. Adv. Behav. Ther; Psychol. Assn. Behavior therapy; emotional behavior; psychopathology diagnosis and treatment; communication and sexual adjustment in marriage. Publ: Co-auth, A comparative analysis of scores from two leadership tests for Apache Indian and Anglo American youth, J. Ed. Res, 9/61; auth, Improvement of time orientation in hospitalized geriatric patients, J. Am. Geriat. Soc, 12/65. Address: Northeast Mental Health Clinic, Box 902, Norfolk, Nebr. 68701.

SANDERS, DR. RICHARD M, b. St. Paul, Minn, June 6, 33; m. 56; c. 2. PSYCHOLOGY. B.A. Dartmouth Col, 59; M.A. Hollins Col, 60; Ph.D. (psychol), North Carolina, Chapel Hill, 65. Lectr. PSYCHOL, North Carolina, Chapel Hill, 65-66; ASST. PROF. REHAB. INST, SOUTHERN ILLINOIS, 66- Consult, A.L. Bower Children's Center, 66-; Jacksonville State Hosp, Jackson, Ill, 67-; State Ill. Pediat. Inst, Chicago, 68- U.S.A., 52-56. Operant conditioning techniques as applied to human behavior problems; human behavior from an operant point of view. Address: Rehabilitation Institute, Southern Illinois University, Carbondale, Ill. 62901.

SANDERS, PROF. ROBERT H(UGH), b. Lead, S.Dak, Apr. 25, 21; m. 47. SOCIOLOGY. B.A. & M.A. Texas Christian, 47; fel, State Col. Wash, 47-50, Ph.D. (sociol), 50. Psychometrist, Texas Christian, 46-47; asst. prof. SOCIOLOGY, Auburn, 50-52, assoc. prof, 52-57, PROF, 57-67; EAST CAROLINA, 67- Ford Found. fel, 53-54. Consult, U.S. Dept. Air Force. U.S.N., 38-46. Fel. Sociol. Assn; fel. Gerontol. Assn. Family relations; gerontology; marriage and family; medical sociology; mental health. Publ: Research perspectives in gerontology, 68; Perspectives in medical sociology, 69; Research perspectives in social problems, 69. Address: Dept. of Sociology, East Carolina University, Greenville, N.C. 27834.

SANDERS, PROF. WILEY B(RITTON), b. Athens, Ga, Mar. 1, 98; m. 24; c. 4. SOCIOLOGY. A.B. Emory Col, 19; A.M. Emory, 20, North Carolina, 21; Ph.D. Chicago, 29. Teacher sociol. & soc. work, NORTH CAROLINA, CHAPEL HILL, 23-24, 26-28, prof. soc. work, 28-50, SOCIOLOGY, 50-63. EMER. PROF, 63- Researcher, London, 38, 50. U.S.A., 18, 2nd Lt. History of social work; juvenile delinquency; criminology. Publ: Negro child welfare in North Carolina; Juvenile courts in North Carolina. Address: Dept. of Sociology, University of North Carolina, Chapel Hill, N.C. 27514.

SANDERS, PROF. WILLIAM TIMOTHY, b. Patchogue, N.Y., Apr. 19, 26; m. 53; c. 3. ANTHROPOLOGY. B.A. Harvard, 49, M.A., 53, Ph.D., 57; Int. Inst. Ed. fel, 51; fel, Carnegie Inst, 54-55. Asst. field dir, New World Archaeol. Found, 53; field archaeologist, Univ. Georgia, 56; asst. prof. sociol. & anthrop, Mississippi, 56-59; PA. STATE, 59-62, assoc. prof. ANTHROP, 62-66, PROF, 66- Nat. Sci. Found. res. grants, 61-62 & 63-64; Fulbright teaching fel, Cuzco, Peru, 64. Summers, res. assoc, La. State, 57, independent field archaeologist, 58 & Pan-Am. Union fel, 60. U.S.N., 43-45. Fel. Anthropol. Assn. Origins of urban civilization in the New World in prehistoric times, especially Mexico. Publ: Cultural ecology of the Teotihuacan Valley, Pa. State Univ, 65; co-auth, Mesoamerica: evolution of a civilization, Random, 68; auth, Cultural ecology of the Maya lowlands, Seminario Cultura Maya, 62-63. Address: 2072 N. Oak, State College, Pa. 16801.

SANDERSON, DR. FRED H(UGO), b. Germany, Apr. 15, 14; nat; m. 38. ECONOMICS. Lic. econ, Geneva, 35; A.M. Harvard, 42, Ph.D., 43. Economist, Off. Strategic Serv, 43-45; chief Cent. European Econ. Sect, Div. Res. West. Europe, U.S. DEPT. STATE, 46-48, West. European Econ. Br, 48-52, regional econ. staff, 52-55, asst. chief div, 55-56, chief, 57-58, FOR. SERV. OFFICER, 55-, DIR. OFF. FOOD POLICY, 67-, chief foodstuffs div, 63-66. Rockefeller award, 55. Consult. to econ. adv. Off. Mil. Govt. U.S. Germany, 48; President's Mat. Policy Cmn, 51. Econ. Assn. Economic statistics; international and agricultural economics. Publ: Methods of crop forecasting; Germany's economic situation and prospects, In: Struggle for democracy in Germany; The outlook for energy resources, In: Resources for freedom. Address: U.S. Dept. State, Room 3427, Washington, D.C. 20520.

SANDERSON, PROF. HERBERT, b. Russia, May 4, 10; nat; m. 35; c. 1. PSYCHOLOGY. B.S. City Col. New York, 39; M.A. N.Y. Univ, 41, Ph.D., 48. Psychologist, New York City Dept. Correction, 36-41; State Dept. Correction, N.Y., 42-44; Community Voc. Serv, Newark, N.J., 44-45; dir. Jewish Voc. Serv, Buffalo, N.Y., 45-53; counseling psychologist, Univ. Buffalo, 53-55; dir. Jewish Voc. Serv, Miami, Fla., 55-57; PROF. ED, SAN FRANCISCO STATE COL, 57- AAAS; fel. Psychol. Assn. Counseling; psychotherapy; projective techniques. Publ: Basic concepts in vocational guidance. Address: 401 Marietta Dr, San Francisco, Calif. 94127.

SANDERSON, DR. J(AMES) WESLEY, b. Visalia, Calif, Nov. 10, 21; m. 48; c. 2. CLINICAL PSYCHOLOGY. A.B. California, Los Angeles, 48, M.A., 51, Ph.D. (psychol), 53. Instr. psychol, Illinois, 52-53, asst. prof, 53-55, counsr, 52-55; CLIN. PSYCHOLOGIST, BAKERSFIELD COL, 55- Private practice, 53-; vis. clin. psychologist, Henrietta Weill Mem. Child Guid. Clin, 56-62. Voc. consult, Bur. Hearings & Appeals, Sec. Security Admin, 65- Dipl. Am. Bd. Exam. Prfnl. Psychol, 61. U.S.A.A.F., 43-46. AAAS; Psychol. Assn. Personality dynamics; attitude change in psychotherapy and counseling; visual distance perception. Publ: Relaxation and recall of completed and interrupted tasks, Am. Psychologist, 9/52; co-auth, Distance judgement of colored objects, J. Gen. Psychol, 56. Address: Bakersfield College, Bakersfield, Calif. 93305.

SANDERSON, DR. JOHN ANDREW, b. Superior, Wis, June 7, 37. EDUCATIONAL PSYCHOLOGY. B.S. Wis. State, Superior, 59, M.S., 60; Ed.D. (ed. psychol), Indiana, 63. ASST. PROF. ed. psychol, Indiana, 55-63; psychol, Wis. State, 63-64; ED. PSYCHOL, VIRGINIA, 64- Consult, Judge Advocate Gen. Sch, pub. sch, Charlottesville & Youth Corps, 68- AAAS; Psychol. Assn; Acad. Polit. & Soc. Sci; Soc. Res. Child Develop. Educational psychology, specifically mental tests and measurements along with item analysis and instrument improvement. Publ: Psychological testing, Monarch, 66; co-auth, Doctorate in education, Am. Assn. Col. Teacher Ed. Address: Peabody Hall, University of Virginia, Charlottesville, Va. 22903.

SANDERSON, DR. MARIE ELIZABETH, b. Chesley, Ont, Nov. 16, 21; m. 46; c. 4. GEOGRAPHY. B.A. Toronto, 44; M.A. Maryland, 46; Ph.D. (geog), 65. Res. asst. urban planning, Toronto City Planning Bd, 44-45; res. scientist climat, Ont. Res. Found, 46-50; ASST. PROF. GEOG, WINDSOR, 65- Secy. working group terrestrial water balance, Int. Field Year Great Lakes, 67- Consult, Lab. Climat, N.J., 50-54. Can. Asn. Geog; Asn. Am. Geog. Climatology; the measurement of potential evapotranspiration and the water balance. Publ: A climatic water balance of the Lake Erie basin, 1958-1963, In: Publications in climatology, C.W. Thornthwaite Asn. Lab. Climat, 66. Address: Dept. of Geography, University of Windsor, Windsor, Ont, Can.

SANDERSON, DR. ROBERT E, b. Port Arthur, Ont, May 12, 33; m. 57; c. 3. PSYCHOLOGY. B.A. Queen's (Ont), 58, M.A., 60, dipl. psychol, 62, Ph.D. (psychol), 63. Staff psychologist, Ont. Hosp, Kingston, 60-61; res. assoc. psychol, Queen's (Ont), 61-62; Alcoholism & Drug Addiction Res. Found, Ont, 62-64; res. psychologist, Porterville State Hosp, Calif, 64-67; CHIEF PSYCHOLOGIST, ONT. HOSP, WHITEBY, 67- Spec. lectr. & consult, York (Ont), 67- Consult, Ont. Heart Found, 67- AAAS; Am. Psychol. Assn; Can. Psychol. Assn. Operant conditioning; alcoholism; mental retardation. Publ: Co-auth, An investigation of an aversive conditioning treatment for alcoholism, Quart. J. Studies Alcohol, 63 & The characteristics of a conditioned response in human subjects during extinction following a single traumatic conditioning trial, J. Abnorm. & Soc. Psychol, 64; auth, Predicting success in a vocational rehabilitation program with the raven coloured progressive matrices, Ed. Psychol. Measurement, 66. Address: Box 1270, Ontario Hospital, Whitby, Ont, Can.

SANDERSON, PROF. SIDNEY, b. Bath, N.Y., Dec. 27, 93; m. 36; c. 1. PSYCHOLOGY. B.S. Pennsylvania, 15, A.M., 23, Ph.D. (psychol), 29. Instr. PSYCHOL, Pennsylvania, 22-29; asst. prof, RUTGERS, 29-34, assoc. prof, 34-54, prof, 54-59, EMER. PROF, 59- Med. Dept, 17-19, Sgt. Psychol.

Asn. Experimental psychology; learning. Address: 112 S. Third Ave, Highland Park, N.J. 08904.

SANDHU, DR. SWARAN SINGH, b. Lyallpur, India, Oct. 20, 25; m. 51; c. 2. SOCIOLOGY. B.A. Punjab, India, 48; B. Teaching, 51; M.A. 60; M.A. Wayne State, 63, Ph.D. (sociol), 66. Master, high sch, India, 52-60; asst. prof. SOCIOL, Lethbridge Jr. Col, Can, 65-66; WIS. STATE, STEVENS POINT, 66-67, ASSOC. PROF, 67- AAAS; Sociol. Asn. Delinquency; prediction of potential dropouts; school achievement; alienation. Publ: Research for international programs, In: Education and modernization of nations, Am. Coun. Ed, 65; Subjective factor in the reported delinquency in the gang and marks in school, Ann. Int. Inst. Sociol, (in press). Address: Dept. of Sociology & Anthropology, Wisconsin State University, Stevens Point, Wis. 54481.

SANDLER, PROF. AKE, b. Stockholm, Sweden, July 7, 13; U.S. citizen; m. 43; c. 1. POLITICAL SCIENCE. B.A. Southern California, 43; Ph.D. (polit. sci.), California, Los Angeles, 50. PROF. POLIT. SCI, CALIF. STATE COL. LOS ANGELES, 49- Vis. prof, Minnesota, 54; Fulbright scholar, Sweden, 60; student dir, Am. Scandinavian Found, 66. Swedish Army, 32-33. Polit. Sci. Asn. Ombudsman; United Nations peace-keeping. Publ: Hur man blir journalist, Natjr & Kultur, Sweden, 44; co-auth, American government and society, Brown & Co, 65. Address: Dept. of Political Science, California State College at Los Angeles, 5151 State College Dr, Los Angeles, Calif. 90032.

SANDLER, DR. JACK, b. Philadelphia, Pa, July 4, 29; m. 54; c. 3. PSYCHOLOGY. A.B. Miami (Fla), 53, M.A. 55; Ph.D. Fla. State, 59. Staff psychologist, United Cerebral Palsy Center, Miami, Fla, 59-60; coordinator psychol. res, VET. ADMIN. HOSP, Coral Gables, 60-65, SUPVRY. RES. PSYCHOLOGIST, MIAMI, 65- Res. asst. prof, Miami (Fla), 62- AAAS; Psychol. Asn; Asn. Adv. Behav. Ther. Punishment; aversive conditioning; experimental psychopathology. Publ: Masochism: an empirical analysis, Psychol. Bull, 64; Effects of punishment intensity on instrumental avoidance behavior, J. Comp. Psychol. Psychol, 66; Punished avoidance behavior and psychopathology, In: The behavior therapies, (in press). Address: 7961 S.W. 89th Terr, Miami, Fla. 33155.

SANDOZ, PROF. GEORGE ELLIS, JR, b. New Orleans, La, Feb. 10, 31; m. 57; c. 2. POLITICAL SCIENCE. B.A. La. State, 51, M.A. 53; summer, North Carolina, 50; Georgetown, 52-53; Heidelberg, 56-58; Fulbright fel, Munich, 64-65, Dr. oec. publ. (polit. sci.), 65. Instr. POLIT. SCI. & PHILOS. LA. POLYTECH. 59-60, asst. prof, 60-67, PROF, 67-, DIR. CENTER COMP. INT. STUDIES, 68- Dir, La. Pilot Proj. Int. Ed. mem. bd. dirs, La. Partners of Alliance & mem. excc. coun, Southwest Alliance Latin Am, 67- U.S.M.C, 53-56, 1st Lt. Polit. Sci. Asn; Soc. Polit. & Legal Philos; Int. Studies Asn. European and American political theory; philosophy of history. Publ: Americanism: a study in myth and theory, Regnery, 68; The grand inquisitor: a study in political apocalypse (in press); Dostoevsky's grand inquisitor, Rev. Polit, 64. Address: Center for Comparative International Studies, Louisiana Polytechnic Institute, Ruston, La. 71270.

SANDS, DANIEL E(DWARD), Statist, Oper. Res, see 11th ed, Suppl. IV to Phys. & Biol. Vols.

SANDS, DR. EDITH SYLVIA, b. Brooklyn, N.Y, Feb. 15, 12; m. 32; c. 2. BUSINESS MANAGEMENT & FINANCE. B.A. Adelphi Col, 32; M.B.A. City Col. New York, 56; Ph.D. (econ), N.Y. Univ, 61. Pres, Iso-Sol Corp, 52-54; adj. asst. prof, LONG ISLAND, 61-62, asst. prof. BUS. FINANCE, COL. BUS. ADMIN, 62-65, ASSOC. PROF, 65-, CHMN. DEPT, 62- Secy-treas, Penjon Realty Corp, 55-; consult, Bank of India, Bombay, 64; mgt. pub. div, Small Bus. Admin, Wash, D.C, 65- Ed, The Tape, 66-68. Finance Asn; Econ. Asn; Mgt. Asn; Soc. Adv. Mgt; Nat. Asn. Bus. Econ. Investments; banking; financial management; executive selection. Publ: How to select executive personnel, Reinhold, 63; Executive traits, In: Encyclopedia of management, Reinhold, 64; Toward better executive selection, Mich. Bus. Rev, 11/64. Address: 874 Carroll St, Brooklyn, N.Y. 11215.

SANDS, DR. HARRY, b. New York, N.Y, Jan. 6, 17; m. 45; c. 2. PSYCHOLOGY. A.B. N.Y. Univ, 41, Ph.D. 52. Chief res. psychophysiology, col. physicians & surgeons, Columbia, 42-44; assoc. dir, Baird Found. Clin, 44-46; instr, Wash. Sq. Col, N.Y. Univ, 46-50; Brooklyn Col, 50-52; dir, Cmt. Pub. Understanding Epilepsy, N.Y, 52-53; DIR. PROG, United Epilepsy Asn, 55-67; EPILEPSY FOUND, AM, 67- Fel, Postgrad. Center Ment. Health, 68, sr. res. consult, 66-; consult, off. voc. rehab, Fed. Security Agency, D.C. AAAS; Psychol. Asn; Rehab. Asn; Epilepsy Soc. Psychophysiology, especially brain functions related to personality and cognitive processes; personality theory; psychoanalysis; psychotherapy; rehabilitation. Publ: Co-auth, Pattern analysis of the Wechsler-Bellevue adult intelligence scale in epilepsy, Proc. Asn. Res. Nerv. & Ment. Disease; auth, New concepts: total patient care in epilepsy, RX Health, 65; Epilepsy—today's encouraging outlook, In: Public affairs pamphlet number 387, 66. Address: 10 W. 83rd St, New York, N.Y. 10024.

SANDUSKY, DR. ARTHUR JOHN, b. Washington, Pa, Aug. 31, 38. PSYCHOLOGY. B.A. California, Los Angeles, 61, Nat. Inst. Ment. Health fel, 63, Ph.D. (psychol), 66. Res. asst. PSYCHOL, California, Los Angeles, 61-66; ASST. PROF, CALIFORNIA, SANTA BARBARA, 66- Perception and judgment; development of mathematical and computer models of perceptual and judgemental processes. Publ: Co-auth, Distribution and sequence effects in judgment, J. Exp. Psychol, 65. Address: Dept. of Psychology, University of California, Santa Barbara, Calif. 93106.

SANFORD, DR. DANIEL S(AMMIS), b. Brookline, Mass, Apr. 4, 02; m. 40; c. 1. EDUCATIONAL PSYCHOLOGY. B.A. Yale, 24; M.A. Columbia, 31, Ph.D., 35; N.Y. Univ, 55-57. Admissions secy, Int. House, 27-31; registrar, Bard Col, 33-38; asst. to secy. counseling, teachers col, Columbia, 38-39; dean instr, Tampa, 40-43; assoc. prof. psychol, West. Md. Col, 43-49; intern psychol, Lynchburg State Colony, 51; REHAB. COUNSR, STATE DIV. VOC. REHAB, 57- Psychol. Asn; Nat. Rehab. Asn. Vocational rehabilitation counseling; college and university administration. Publ: Inter-institutional agreements in higher education; Cooperation among junior colleges;

Short-term institute as a training aid in rehabilitation. Address: 2023 Cecilia Place, Seaford, N.Y. 11783.

SANFORD, PROF. DOROTHY ZERZAN, b. Portland, Ore, Nov. 20, 24; m. 50; c. 8. ECONOMICS. A.B. Willamette, 46; A.M. Oregon, 48; Ph.D. St. Louis, 50; McGeorge Sch. Law. Instr. econ, St. Louis, 47-50; hist, Our Lady of Mercy Col, 52; from lectr. to PROF. ECON, COL. NOTRE DAME (CALIF), 54- Econ. Asn; Acad. Polit. Sci; Mkt. Asn. Consumer economics; money and banking. Publ: Devaluation of the Mexican peso, 1947-1950; Low income and consumer spending, Rev. Soc. Econ, 3/67. Address: 1222 Dore Ave, San Mateo, Calif. 94401.

SANFORD, DR. (NICHOL) EDWARD, b. Aug. 23, 32; m. c. 4. ECONOMICS, SOCIAL SCIENCE. B.C.S, Santa Clara, 54; California, Los Angeles, 59-63, Int. Bus. Mach. fel, 60-62; Ph.D. (econ), Claremont Grad. Sch. & Grad. Center, 63. Instr. econ, Loyola (Calif), 59-63; ASST. PROF. ECON. & QUANT. METHODS, SCH. BUS, SOUTHERN CALIFORNIA, 63-, MEM. SR. FACULTY URBAN ECON, 67- Instr. & lectr, Claremont Grad Sch, 60-63; vis. lectr, exten, California, Los Angeles, 63-64, vis. asst. prof, 64-68. U.S.A., 54-56, 1st Lt. Econ. Asn. Economics and socio-cultural change; interrelationships between economics and value changes in Western culture. Publ: Co-auth, Structure and analysis of a linear model for sales planning, 67 & auth, The impact of the new morality on the business environment of Western culture, 68, Cost & Mgt; The influence of changes in values on economic change, Bus. & Soc, 68. Address: 924 Fenn Court, Claremont, Calif. 91711.

SANFORD, DR. EDWIN J, b. Santa Barbara, Calif, Apr. 10, 18; m. 43; c. 3. BUSINESS ADMINISTRATION, CLINICAL PSYCHOLOGY. A.B. Stanford, 39; LL.B. California, 42; B.D. San Francisco Theol. Sem, 49; fel, Denver, 49-50, Ph.D. 52. Private law practice, 45-52; mgt. consult, Rohrer, Hibler and Replogle, 52-58; CHIEF EXEC. MGT. CONSULT, SANFORD MGT. SERV. INC, 58- U.S.N.A.F, 42-45. Lt. Psychol. Asn. Behavioral sciences applications to business; psychological testing and evaluation of executives; group dynamics and organization of business; effects of various administrative and supervisory techniques. Publ: Means of measuring progress in therapy; Supervisory stimulation or suppression of creativity; Selecting superior people. Address: Sanford Management Services, Inc, 1212 Wilshire Blvd, Los Angeles, Calif. 90017.

SANFORD, PROF. FILLMORE H(ARGRAVE), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.

SANFORD, PROF. PAUL L, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SANFORD, DR. NEVITT, b. Chatham, Va, May 31, 09; m. 31; c. 7. PSYCHOLOGY. A.B. Richmond, 29, hon. Sc.D. 62; M.A. Columbia, 30; Ph.D. (psychol), Harvard, 34; LL.D. Notre Dame, 67. Psychologist, Mass. Prison Syst, 32-35; res. psychologist, Harvard Growth Study Sch. Children, 35-40; res. assoc. Inst. Child Welfare, California, 40-45, co-dir, Berkeley Pub. Opinion Study, 44-49, assoc. dir, Inst. Personality Assessment, 49-53, asst. prof. psychol, univ, 40-44, assoc. prof, 44-49, prof, 49-61; PROF. PSYCHOL. & ED. & DIR. INST. STUDY HUMAN PROBS, STANFORD, 61- Res. affiliate, Tavistock Inst. & Clin, London, 51-52; co-ordinator, Mary C. Mellon Found, Vassar Col, 52-; lectr, Salzburg Seminars Am. Studies, Austria, 52; fel, Center Adv. Study in Behav. Sci, 60-61; Sloan prof, Menninger Found, 64. Consult, U.S. Pub. Health Serv, 47-53; Group Adv. Psychiat. Mem. bd, Found. Fund Res. Psychiat, 59-64; mem, Am. Coun. Ed. & training br, Nat. Inst. Ment. Health, 60-65; sci. dir, Coop. Cmn. Study Alcoholism, 61-67; mem. cmt. res, manpower cmm, U.S. Dept. Labor, 65- Civilian with Off. Strategic Serv, 44. Psychol. Asn. Personality development; personality and social attitudes; psychoanalysis. Publ: Co-auth, The authoritarian personality; ed, The American college; auth, Self and society, Atherton, 66. Address: 980 Euclid Ave, Berkeley, Calif. 94708.

SANGER, DR. DAVID, b. Shanghai, China, Sept. 10, 36; U.S. citizen; m. 59; c. 2. ARCHAEOLOGY. Can. Coun. fel. & M.A. British Columbia, 62; univ. fel. & Ph.D. (anthrop), Washington (Seattle), 67. Atlantic provinces archaeologist, NAT. MUS. CAN, 66-67, HEAD EAST. CAN. SECT. ARCHAEOLOG, 67- AAAS; Soc. Am. Archaeol. Archaeology of Pacific northwest and north-east Canada. Publ: Excavations at Lochore-Nesikep Creek, British Columbia, Nat. Mus. Can, 66; Prehistory of the Pacific northwest plateau, Am. Antiq, 67; Prepared cove and blade traditions in the Pacific northwest, Arctic Anthropol, 68. Address: National Museum of Canada, Ottawa 4, Ont, Can.

SANGHA, DR. KEHAR SINGH, b. Chahapur, India, Oct. 20, 22; m. 58; c. 2. ECONOMICS. B.A. Punjab, India, 47; M.A. Oklahoma, 52, scholar, 53-55, Ph.D. (econ), 55. Instr. econ, Idaho State, 55-57; economist, Punjab Nat. Bank, 58-59; asst. prof. econ, Col. William & Mary, 59-61; economist, Am. Embassy, India, 62-63; ASSOC. PROF. ECON, OLD DOM. COL, 63- Econ. Asn; Soc. Int. Develop. International economic problems. Publ: Productivity and economic growth, Asia Pub. House, 64; Productivity: concept and measurement, J. Productivity, 60; Analysis of growth rate and capital coefficient, Indian J. Econ, 60. Address: Dept. of Economics, Old Dominion College, Norfolk, Va. 23508.

SANGIULIANO, DR. IRIS A(GATHA), b. Brooklyn, N.Y, Apr. 17, 23; m. 52; c. 1. PSYCHOLOGY. B.S. Fordham, 45, M.A. 47, Ph.D. (psychol), 52. Asst. psychol, Fordham, 45-47; intern, psychiat. div, Kings County Hosp, 49-50, clin. psychologist, 52-53; asst. psychiatrist, State Univ. N.Y. Med. Center, 50-51; PRACTICING PSYCHOTHERAPIST, 53- Consult. & group psychotherapist, U.S. Dept. Health, Ed. & Welfare & Nat. Coun. Alcoholism, 59-62. Psychol. Asn. Subjective components of the psychotherapeutic process; experimentation with different psychotherapeutic formats; group, family and multiple theory. Publ: Co-auth, Therapist's contribution to treatment process, 64 & Alcoholism: group psychotherapy and rehabilitation, 66, C.C. Thomas; auth, The experience of psychotherapy, J. Existential Psychiat, 63. Address: 115 E. 90th St, New York, N.Y. 10028.

- SANGREE, PROF. WALTER HINCHMAN**, b. New York, N.Y., June 15, 26; m. 52; c. 1. **ANTHROPOLOGY**. B.A. Haverford Col, 50; M.A., Wesleyan, 52; Fulbright scholar, E.African Inst. Soc. Rel, Makerere Col, 54-56; Ph.D.(anthrop), Chicago, 59. Asst. prof. anthrop. & sociol. ROCHESTER, 57-63, ASSOC. PROF. ANTHROP. 63- Nat. Sci. Found, Nigeria, 63-65. Fel. Anthropol. Assn. Social organization and social change; the Tiriki, a Bantu tribe in Western Kenya. Publ: Age prayer and politics in Tiriki, Kenya, Oxford Univ. Press, 66. Address: Dept. of Anthropology, University of Rochester, Rochester, N.Y. 14627.
- SANK, DR. DIANE (MRS. I. LESTER FIRSCHEIN)**, Human Genetics, see 11th ed, Phys. & Biol. Vols.
- SANMANN, PROF. MADGE STEWART**, b. Monmouth, Ill, Aug. 5, 99; wid. **SOCIOLOGY**. A.B. Monmouth Col, 21; scholar. & B.S., Illinois, 23; M.A., Northwestern, 40, Ph.D.(personnel, guid), 48; Chicago, 48-49. Head dept. ed. & psychol, Drury Col, 42-43; dir. inst. oriental students study human rels, Chicago, 43-49; from assoc. prof. to PROF. SOCIOL, MONMOUTH COL.(ILL), 49- Sociol. Assn. International interracial and interclass aspects of sociology; faculty; community. Address: 315 S. Fifth St, Monmouth, Ill. 61462.
- SANOW, KENNETH PAUL**, b. Chicago, Ill, Sept. 3, 19; m. 50; c. 2. **ECONOMICS, STATISTICS**. B.A. Chicago, 39, Walgreen scholar, 45-46, M.A., 46. Res. economist, Coun. State Govts, 45-46; adv. econ. Prov. Chief Banking & Taxation, Korea, 46-47; chief res. & progs. br. Supreme Commander Allied Powers, Japan, 47-52; statistician, U.S. Bur. Census, 54-55; anal. statistician, U.S. Dept. Agr., 55-56; chief anal. sect, U.S. Dept. Navy Transportation Serv, 56-57; prog. dir, indust. survs. & anal. res, NAT. SCI. FOUND, 57-63, HEAD STATIST. & REPORTS SECT, 63- U.S.N., 41-45, Lt. AAAS; Econ. Assn; Statist. Assn. Industrial economics; quantitative and qualitative analysis of economic effects of research upon economic growth; public finance and fiscal policy; international economics; statistical methods and accounting. Publ: Development of statistics relating to research and development activities in private industries, Am. Statist. Assn. Address: 6525 Elgin Lane, Bethesda, Md. 20034.
- SANTAVICCA, PROF. G. GENE**, b. Bellaire, Ohio, May 24, 14; m. 40; c. 3. **GUIDANCE, COUNSELING**. B.A. Miskinburg Col, 38; M.A. Western Reserve, 42; cert. Bordeaux, France, 45; Ph.D., Pittsburgh, 51. Teacher & counsr, high schs, Ohio, 38-42, 51-52; psychologist, Vet. Admin, 46-51; assoc. prof. ed. & psychol, Westminister Col.(Pa), 52-54; PROF. ED, MIAMI (OHIO), 54-, dir. grad. studies, 59-61, chmn. dept. personnel & guid, 61-66. U.S.A., 42-46, 1st Lt. Psychol. Assn; Personnel & Guid. Assn. Counselor education; evaluation of the guidance function; developing concepts for functionaries in the guidance function; evaluation of counselors education program and academic structure. Address: Dept. of Personnel & Guidance, Miami University, Oxford, Ohio 45056.
- SANTOPOLO, PROF. FRANK A(NTHONY)**, b. Mt. Vernon, N.Y., Mar. 12, 20; m. 58. **SOCIOLOGY**. B.S., N.C. State Col, 42, fel. 47-48, M.S., 50; Ph.D., Fordham, 56. Dist. forester, Va. Forest Serv, 42-44; instr. rural social, N.C. State Col, 48-51; sociol, Fordham, 52-55, asst. prof. 56-58, dir. sociol. res. lab, 54-58; community develop. adv. Int. Coop. Admin, Pakistan, 58-61; assoc. prof. RURAL SOCIOL, KENTUCKY, 61-67, PROF. 67-, DIR. GRAD. STUDY, EXTEN. ED, 64-, ASSOC. DIR. CENTER DEVELOP. CHANGE, 66-, exten. specialist, 61-64, training officer, coop. exten. serv, 64-68. Consult, Nat. Curriculum Improv. Seminar, Coop. Exten. Serv, 64-U.S.A., 44-46. Sociol. Assn; Rural Sociol. Soc. Evaluation research; social change; community development; sociology of utilization. Publ: Administrative intelligence as an area for operational research and evaluation in community development programs, Community Develop. Rev; co-auth, Community development in Pakistan, Int. Soc. Sci. J; Perspectives on agent roles, J. Coop. Exten, winter 67. Address: Dept. of Sociology, University of Kentucky, Lexington, Ky. 40506.
- SANTOPOLO, DR. MARY CLARKE**, b. Wilkes-Barre, Pa, Oct. 17, 23; m. 58. **POLITICAL SCIENCE**. B.A. Col. Misericordia, 44; M.A., Fordham, 46; Ph.D.(polit. sci), Hopkins, 51. Lectr, Bryn Mawr Col, 51-53; asst. prof. govt, Fordham, 53-58; RES. ANALYST, LEGIS. RES. CMN, FRANKFORT, 61- Assoc. prof, Eastern Kentucky, 63-65. Polit. Sci. Assn; Acad. Polit. & Soc. Sci. American constitutional law; political theory; American political parties. Publ: Planning and zoning in Kentucky; Prevailing wage legislation in Kentucky & co-auth, Unemployment compensation in Kentucky, Legis. Res. Coun, Ky. Address: 197 Swiger Ave, Lexington, Ky. 40505.
- SANTOS, DR. CONRAD R(EGLA)**, b. Philippines, Nov. 26, 34; m. 64; c. 2. **POLITICAL SCIENCE, PUBLIC ADMINISTRATION**. B.A. Philippines, 58, B.S.J. & LL.B., 59, M.P.A., 61; univ. fel. & Smith-Mundt, Fulbright & Johnson Wax Found. scholars, Harvard, 61-62, LL.M., 62; Ph.D.(polit. sci), Michigan, 64. Field researchers community develop. & res. asst. pub. admin, Philippines, 60, instr. bus. law, 60-61; res. asst. pub. admin, Michigan, 62-64, teaching fel. polit. sci, 64-65; ASST. PROF. POLIT. SCI. & PUB. ADMIN, MANITOBA, 65- Am. Polit. Sci. Assn; Am. Soc. Pub. Admin; Can. Polit. Sci. Assn; Can. Inst. Pub. Admin. Organizational behavior; methodology in politics and public administration studies. Publ: The use of analytical models in the comparative study of bureaucratic organizations, Philippine J. Pub. Admin, 7/65. Address: Dept. of Political Science & International Relations, University of Manitoba, Winnipeg 19, Man, Can.
- SANTOS, DR. JOHN F(RANCIS)**, b. New Orleans, La, May 23, 24; m. 46; c. 5. **PSYCHOLOGY**. B.S. Tulane, 48, M.S., 52, Ph.D.(exp. psychol), 58. Asst. psychol, Tulane, 51-54; asst. prof, Tex. Col. Arts & Indust, 54-57; res. psychologist, res. dept, Menninger Found, 57-58, co-dir. perceptual learning proj, 58-60, reality testing proj, 61-65; PROF. PSYCHOL. & CHMN. DEPT., NOTRE DAME, 65-, co-investr, Inst. Latin Am. Pop. Res, 66-67. Nat. Sci. Found. vis. scientist proj, 61-65; res. prof, inst. exp. psychol, Cath. Univ. São Paulo, 62-63; co-investr. & res. assoc, Peace Corps, Brazil II Res. Prof, Univ. Texas, 62-64; vis. prof, Cath. Univ. Rio de Janeiro, 67. Nat. Defense Ed. Act award, 61; res. award-Fundação de Amparo a Pesquisa, São Paulo, Brazil, 63-64. Psychol. Assn; Inter-Am. Soc. Psychol.(exec. secy, 66-). Research design and methodology; perceptual and cognitive research; subliminal perception; cross-cultural research; Latin American studies and problems of underdeveloped countries, especially improved use of human resources for progress and development. Publ: Co-auth, The Peace Corps in Brazil, Univ. Texas, 66; An Odyssey in perceptual learning, In: Theories of Personality Principle Sources & Resources, Wiley, 65; auth, A psychologist reflects on Brazil and Brazilians, In: New perspectives, Vanderbilt Univ, 66. Address: Dept. of Psychology, University of Notre Dame, Notre Dame, Ind. 46556.
- SANTOS, DR. ROLANDO A**, b. Zamboanga City, Philippines, Mar. 21, 34; m. 63; c. 3. **SOCIOLOGY**. B.A. Ateneo Col, Zamboanga City, Philippines, 55, B.S.E., 56; M.A., George Peabody Col, 58, Ph.D.(ed, sociol), 58; summer, U.S.-Brazil Cultural Union, São Paulo, 60; Salamanca, 61. Teacher, Ateneo High Sch. & Col, Zamboanga City, 54-57; coordinator grad. studies, Bicol Teachers Col, Philippines, 62-63; ASST. PROF. ED, Philippines, 63-65; CALIF. STATE COL. LOS ANGELES, 65- Lectr, UNESCO Teacher Ed. Center, Manila, 64-65; Nat. Defense Ed. Act Summer Inst. Training Teachers Culturally Disadvantaged 67 & 68. Sociol. Assn. Philippine values and education; teaching of Asian studies in California. Publ: Co-auth, Strategies for curriculum change in five nations, Int. Textbook Co, 68; auth, Towards a cross-cultural approach to adult education, Ed. Quart, Univ. Philippines, 1/65; The new key approach to modern foreign language teaching, Philippine Lang. J, 5/65. Address: 2704 W. Ross Ave, Alhambra, Calif. 91803.
- SANTOSTEFANO, PROF. SEBASTIAN G**, b. Middletown, Conn, June 14, 29; m. 53; c. 2. **PSYCHOLOGY**. B.A. Connecticut, 53; M.S., Pa. State, 54, Ph.D., 57. Clin. psychol. intern, Vet. Admin. Psychiat. Hosp, Pittsburgh, Pa, 55-56; U.S. Pub. Health Serv. fel. sch. med, Colorado, 57-58, instr. clin. psychol. & U.S. Pub. Health Serv. fel. 58-60, co-dir. psychol. training, 59-64, dir. child psychol, med. center, 60-64, asst. prof. clin. psychol, 60-64; ASSOC. PROF. psychol, Clark, 64-67; CLIN. PSYCHOL, SCH. MED, BOSTON, 67- Chief psychologist, Denver Gen. Hosp, Colo, 58-60; dir. res. clin. psychol, Worcester Youth Guid. Center, 64-67. Clin. psychol. consult, Arapahoe County Ment. Health Center, 58-60; Adams County Ment. Health Center, 60-61. Mem. Asn. Psychiat. Clin. for Children, 60-; chmn. cmt. clin. psychol, Am. Asn. Psychiat. Clin. for Children, 65-67; sect. clin. child psychol, div. 12, Am. Psychol. Assn, mem. task force on youth, 67-Med.C, U.S.A., 57-58. Psychol. Assn; Orthopsychiat. Assn; Soc. Res. Child Develop. Child development; ego psychology; cognition and perception; test construction; performance testing of personality; child personality and cognitive development; psychoanalytic theory and research. Publ: Training in attention and concentration, Ed. Res. Assoc, 67; Situational testing in personality assessment, Int. Encyclop. Soc. Sci, 68; Development of cognitive controls in children, Child Develop, 65. Address: Dept. of Child Psychiatry, Boston University School of Medicine, 80 Harrison Ave, Boston, Mass. 02215.
- SANUA, PROF. VICTOR D(AVID)**, b. Cairo, Egypt, July 22, 20; nat; m. 56; c. 2. **PSYCHOLOGY**. B.A. American Univ, Cairo, 45 & 49; M.A. Mich. State, 54, Ph.D., 56. Exec. asst, U.S. Off. War Info, 45-46, asst. librarian, 46-47; finance officer, UN Relief for Palestine Refugees, 49-50; psychologist, Bd. Ed, Mich, 52-53; clin. & res. psychologist, inst. phys. med. & rehab, Bellevue Med. Center & instr. workshops rehab. counsr, N.Y. Univ, 54-57; res. fel. psychiat, med. col, Cornell, 57-58; Harvard, 58-60; ASSOC. PROF. res. methods, sch. soc. work, Yeshiva, 60-67; PSYCHOL, CITY COL. NEW YORK, 67- Lectr, Mich. State, Brooklyn Col, Suffolk & Massachusetts, 53-60; res. dir, Young Men's & Women's Hebrew Assns, N.Y., 60-66; Fulbright lectr, Paris, 65-66; vis. assoc. prof, Yeshiva, 67- Consult, Psychol. Corp, 56-; chmn. sponsorship cmt, Ment. Health Book Rev. Index, 58-; Vet. Admin, 66; bd. exam. for, psychologists, N.Y. State Dept. Ed, 67. Fel. Psychol. Assn; fel. Sociol. Assn; Inter-Am. Soc. Psychol.(secy-gen, 61-65, v-pres, N.Am, 67-) Social psychiatry; sociology; anthropology; cross-cultural studies; psychological adjustments of minority groups; characteristics of schizophrenia in sub-cultural groups; psychological testing to predict success of students in graduate school. Publ: Vocational rehabilitation problems of disabled Puerto Ricans in New York City, Rehab. Monogr; Sociocultural factors in families of schizophrenia: review of the literature, Psychiat; Differences in personality adjustment among different generation of American Jews and non-Jews, In: Culture and mental health. Address: Dept. of Social & Psychological Foundations, School of Education, City College, City University of New York, New York, N.Y. 10031.
- SAPER, DR. BERNARD**, b. Brooklyn, N.Y., Dec. 16, 20; m. 48; c. 3. **PSYCHOLOGY**. B.A. Brooklyn Col, 46; M.A., Columbia, 47; Ph.D.(psychol), California, Los Angeles, 52. Chief psychologist, Austin State Hosp, 52-53; asst. prof. psychol. & dir. counseling center, Northwestern, 53-58; dir. psychol. serv, N.Y. State Dept. Ment. Hyg, 58-65, dir. bur. prog. planning, 65-67; ASSOC. PROF. PSYCHIAT, ALBANY MED. COL, 67- Lectr, Texas, 52-53. Consult, Brown Schs. for Except. Children, 53; Albany Vet. Admin. Hosp, Albany, N.Y., 60. Consult. prog. planning, Rensselaer County Ment. Health Bd, 67- Mem. adv. coun, N.Y. State Bd. Regents, 64- Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.A., 42-46. Fel. Psychol. Assn; Acad. Psychother. Psychological counseling and psychotherapy; personality dynamics; clinical diagnosis of psychological problems; standards and training in professional psychology; behavior modification; behavioral science. Publ: Motivational components in interpersonal transactions of married couples, 65 & Application of behavior modified techniques to program for mental patients, 66, Psychiat. Quart; Current trends in comprehensive community mental health services, Ment. Hyg, 67. Address: Dept. of Psychiatry, Albany Medical College, Albany, N.Y. 12208.
- SAPER, DR. JAKOB**, b. Sosnowiec, Poland, Apr. 23, 14; U.S. citizen; m. 46; c. 2. **POLITICAL SCIENCE, ECONOMICS**. LL.M., Jagiellonian, 35, LL.D. (polit. sci), 37; London Sch. Econ, 37-39. Econ. planning, Post-War Employ. Planning Off, coordinator of Polish refugees, welfare dept, Ministry of Labor & private secy. to Minister of Labor & Soc. Welfare, Polish Govt. in exile, London, Eng, 41-44; chief displaced persons dir, D.C., London, Chungking & Shanghai, UNRRA, 44-47; chief admin. planning & budget dir. INT. MONETARY FUND, 48-52, asst. dir. admin. dept, 52-64, DEP. DIR. FISCAL AFFAIRS DEPT, 64- Mem. Polish del, Int. Labor Conf, Phila, Pa, 44. Pol-

- ish Army, 36-37. Address: International Monetary Fund, 19th & H St. N.W., Washington, D.C. 20431.
- SAPIR, DR. J(AMES) DAVID, b. New Haven, Conn, Nov. 1, 32; m. 63. ANTHROPOLOGY. B.A. Yale, 55; A.M. & Ph.D.(soc. anthropol.) Harvard, 64. Res. fel. ling. W.African Lang. Surv, 60-61; Nat. Inst. Ment. Health fel. & grant. ANTHROP. African Studies Prog, Boston, 64-66; ASST. PROF. PENN-SYLVANIA, 66- Am. Anthropol. Assn; Int. African Inst; W.African Ling. Soc. Cultural anthropology; African folklore and linguistics. Publ: A grammar of Diola-Fogny, Cambridge, 65; Notes linguistiques, In: Le Diola et le temps, Bull. l'Institut Fondamental d'Afrique Noire, Tome XXIX, Serie, B. Address: Dept. of Anthropology, University Museum, University of Pennsylvania, 33rd & Spruce Sts, Philadelphia, Pa. 19104.
- SAPIR, PROF. PHILIP, b. Ottawa, Ont, Nov. 8, 16; U.S. citizen; m. 48; c. 7. PUBLIC HEALTH & MEDICAL ADMINISTRATION. B.S. Yale, 38. Sci. writer, ment. hyg. div. U.S. Pub. Health Serv, 46-48; prnl. asst. med. sci. Nat. Res. Coun, 48-49; pub. health res. analyst, Nat. Inst. Ment. Health, 49-54, chief res. grants & fel. br, 54-66, chief behav. sci. res. br, 66-67; ASST. PROF. PREV. MED. & COMMUNITY HEALTH & ASST. DEAN, ALBERT EINSTEIN COL. MED, 67- U.S.A., 44-46. AAAS; Psychosom. Soc; Orthopsychiat. Assn. Mental health and research administration; social and behavioral science research. Publ: Co-auth, The National Institutes of Health research grant program and the history and sociocultural aspects of medicine, Bull. Hist. Med, 1-2/59; auth, Research and training assistance available from the Department of Health Education, and Welfare, In: Report of the conference on mental health research, French Lick, Indiana, November 8-10, 1959, Asn. Adv. Ment. Health Res. & Ed; co-auth, Anthropology and the research grant and fellowship programs of the National Institute of Mental Health, Am. Anthropologist, 2/63. Address: Albert Einstein College of Medicine, New York, N.Y. 10461.
- SAPON, PROF. STANLEY M, Psycholing, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- SAPOSS, DAVID J, b. Russia, Feb. 22, 86; nat; m. 17; c. 2. ECONOMICS, SOCIOLOGY. Wisconsin; Columbia. Spec. investr. State Dept. Labor, N.Y., 17-18; Carnegie Immigration Study, 18-19; instr, Brockwood Labor Col, 22-34; res. assoc, Twentieth Century Fund, 34-35; chief econ. Nat. Labor Rels. Bd, 35-40; chief statist. & reports officer, U.S. Mil. Govt, Germany, 45-46; spec. asst. to cmnr. labor statist, U.S. Dept. Labor, 46-48, 52-54; res. assoc, Harvard, 54-56; vis. prof, Illinois, 57-58; LECTR, FOR. SERV. INST, U.S. DEPT. STATE, 58- Prnl. lectr, sch. int. serv, American Univ, 61-; vis. scholar, East-West Center, Univ. Hawaii, 62 & 64; grant-in-aid, Soc. Sci. Res. Coun, 66. Spec. adv. dir. labor div, Marshall Plan European Hqs, France, 48-52. Econ. Asn; Indust. Rels. Res. Asn. American labor history; international and European labor movements; industrial relations and labor problems; American labor ideologies; union membership profile; collective bargaining to finality. Publ: Case studies in labor ideology: I. The Nordic European countries, 64 & II. Central European countries, 65, Indust. Rels. Center, Univ. Hawaii; Labor movement of post-war France. Address: 5701 Nebraska Ave. N.W., Washington, D.C. 20015.
- SAPPENFIELD, PROF. BERT R(EESE), b. Ind, Jan. 2, 12; m. 37; c. 2. PSYCHOLOGY. B.A. DePaul, 35; M.A. N.Y. Univ, 38, Ph.D.(psychol), 41. Psychol. exam, N.Y. Univ, 36-39; secy. cmt. tests, Life Off. Mgt. Asn, 39-40; instr. PSYCHOL, MONTANA, 41-44, 46, asst. prof, 46-48, assoc. prof, 48-53, PROF, 53- Psychologist, Utah State Hosp, 54-55. U.S.A.A.F., 44-45. AAAS; Psychol. Asn. Clinical psychology; personality theory; personality dynamics. Publ: Repression and the dynamics of conflict, J. Consult. Psychol, 65; Stereotypical perception of masculinity-femininity, J. Psychol, 65; co-auth, Perceptual correlates of stereotypical masculinity-femininity, J. Personality & Soc. Psychol, 66. Address: Dept. of Psychology, University of Montana, Missoula, Mont. 59801.
- SARAKWASH, MICHAEL, Math, Statist, see Suppl. V to 11th ed, Phys. & Biol. Vols.
- SARAMES, GEORGE N, b. Paterson, N.J, May 16, 24; m. 52. ECONOMICS. B.S. Georgetown, 47, M.A. 49; New Sch. Soc. Res, 59-62. Air transportation economist, Civil Aeronaut. Bd, 49-50; int. trade economist, U.S. Dept. Commerce, 50-54; econ. analyst, Port of N.Y. Authority, 54-59; mgr. traffic & revenue forecasting, Trans World Airlines, 59-62; economist, Tri State Transportation Cmn, 62-65; opers. res. scientist, LOCKHEED CALIF. CO, 65-67, MGR. TRANSPORTATION SYSTS. ANAL. DEPT, 68- Instr, Fairleigh Dickinson Col, 55-56. U.S.A., 43-45. Econ. Asn. Transportation and international economics. Publ: Contrib, Inter-American economic affairs, Third Systr. in Latin Am; co-auth, Evolution of short haul transport systems, Soc. Automotive Eng, 10/65; auth, Urban public resources and VTOL terminals, Am. Inst. Aeronaut. & Astronaut. 4th Annual Meeting, 10/67. Address: 10339 Keokuk Ave, Chatsworth, Calif. 91311.
- SARASON, PROF. IRWIN G(ERALD), b. Newark, N.J, Sept. 15, 29; m. 53; c. 3. PSYCHOLOGY. B.A. Rutgers, 51; M.A. Iowa, 53; U.S. Pub. Health Serv. fel. Indiana, 54-55, Ph.D.(psychol), 55. Trainee clin. psychol, Vet. Admin. Hosp, West Haven, Conn, 55-56; asst. prof. PSYCHOL, WASHINGTON, (SEATTLE), 56-59, assoc. prof, 59-65, PROF, 65- Consult, Vet Admin, 56-; Off. Econ Opportunity, 66- AAAS; Psychol. Asn. Personality; modeling and imitation; behavior modification; birth order. Publ: Personality: an objective approach, Wiley, 66; ed, Science and theory in psychoanalysis, 65 & Contemporary research in personality, 2nd ed, 68, Van Nostrand. Address: Dept. of Psychology, University of Washington, Seattle Wash. 98105.
- SARASON, PROF. SEYMOUR B(ERNARD), b. Brooklyn, N.Y, Jan. 12, 19; m. 43; c. 1. PSYCHOLOGY. B.A. Rutgers, 39; M.A. Clark, 40, Ph.D.(psychol), 42. Exten. psychologist, Worcester State Hosp, Mass, 41-42; chief psychologist, Southbury Training Sch, Conn, 42-46; asst. prof. PSYCHOL, YALE, 46-49, assoc. prof, 49-54, PROF, 54-, DIR. PSYCHO-ED. CLIN, 62-, MEM, INST. HUMAN RELS, 46- Mem. res. study sect, Nat. Inst. Ment. Health, 58-62, psychol. training submt, 63-; child behav. sci. study sect, Nat. Insts. Health, 67- Res. consult, Off. Ed, 67- Fel. Psychol. Asn. Mental deficiency; development of anxiety; child development. Publ: Co-auth, Mental subnormality, Basic Books, 58; Anxiety in elementary school children: a report of research, 60 & Psychology in the community settings; clinical, educational, vocational, social aspects, 66, Wiley. Address: Psycho-Educational Clinic, Yale University, 295 Crown St, New Haven, Conn. 06511.
- SARBIN, PROF. THEODORE R(OY), b. Cleveland, Ohio, May 8, 11; m. 36; 49; c. 3. PSYCHOLOGY. B.A. Ohio State, 36, Ph.D.(psychol), 41; M.A. Western Reserve, 37. Counsr, Minnesota, 38-41; Soc. Sci. Res. Coun. training fel, 41-43; asst. prof, univ. col, Northwestern, 43-44; consult. psychologist, 44-47; clin. psychologist, Vet. Admin, 47-49; lectr. PSYCHOL, CALIFORNIA, BERKELEY, 49-50, asst. prof, 50-51, assoc. prof, 51-57, PROF, 57-, CRIMINOL, 66- Lectr, Los Angeles City Col. & Long Beach State Col, 46-49; sr. Fulbright award, Oxford, 62; Guggenheim Mem. fel, 65-66. Consult, North. Ord, Inc, 44; cmt. soc. behav. Soc. Sci. Res. Coun, 52, 53; Vet. Admin, 51-; Calif. Dept. Ment. Hyg, 55- Fel. Psychol. Asn; Sociol. Asn. Social role theory; thinking and inference; experimental approach to studies in psychopathology. Publ: Co-auth, Clinical inference and cognitive theory; contrib, Role theory; auth, Logic of prediction in psychology, Psychol. Rev. Address: 50 Sunset Lane, Berkeley, Calif. 94708.
- SARCHET, DR. JEREMY A(LFRED), b. Denver, Colo, Mar. 31, 24; m. 51; c. 2. INDUSTRIAL & SOCIAL PSYCHOLOGY. M.A. Chicago, 49, Ph.D. (human develop), 51. Proj. dir. leadership training proj, indust. rels. center, Univ. Chicago, 51-55; chief personnel coord, Martin Co, 55-58; dir. psychol. serv. & asst. to pres, Hunt Foods & Indust, Inc, 58-66; PSYCHOL. CONSULT. MGT, 66- Instr, Chicago, 53-55; Hopkins, 58-58; California, Los Angeles, 60-66, Irvine, 66- A.U.S., 43-46. Psychol. Asn. Dynamics of groups at work; interrelation of biological, psychological and social influences on human behavior and development. Publ: Co-auth, Growth and development of the elementary school child, Univ. Chicago, 54; auth, How to change attitudes in industry, J. Indust. Training, 55; How to foster mental health on the job, Am. Asn. Indust. Nurses J, 67. Address: 14067 Eastridge Dr, Whittier, Calif. 90602.
- SARDO, DR. RUSS, b. Brooklyn, N.Y, July 1, 26; m. 50; c. 2. CLINICAL PSYCHOLOGY. A.B. New Sch. Soc. Res, 55; Nat. Inst. Ment. Health fel, Adelphi Col, 57-58, Ph.D. 59. Staff psychologist, Brooklyn Vet. Admin. Hosp, 58-59; East. State Hosp, Wash, 59-61; chief clin. psychologist, Clackamas County Child Guid. Clin, Ore, 61-64; CLIN. PSYCHOLOGIST, 64- Asst. prof, exten. div, Washington State, 59-61. Assessment officer, Peace Corps, 64-66; dir, Clackamas County Sch. Drug Abusers. Consult, Klamath Falls Health Dept, Ore, 61-; Clackamas County Juvenile Court, 64-; Upward Bound Proj, Mt. Angel Col, 66-67; W. Linn Pub. Schs, 66- Dipl. Am. Bd. Exam. Prnl. Psychol, 66. Psychol. Asn. Etiology of personality disturbances, especially in children. Publ: Co-auth, Psychotherapy of a blind schizophrenic child, J. Am. Acad. Child Psychiat, 1/65. Address: 2816 South Shore Blvd, Lake Oswego, Ore. 97034.
- SARETT, PROF. ALMA JOHNSON, b. Durant, Fla, July 21, 08; wid; c. 2. SPEECH. B.A. Fla. South. Col, 34; M.A. Northwestern, 38, Ph.D.(speech), 42. Teacher, pub. schs, Fla, 26-36; asst. prof. speech, Fla. South. Col, 36-40; asst. & dir. women's forensics, Northwestern, 40-42, instr. speech, 42-43; teacher, high sch, Ill, 43-45; asst. prof. speech, Iowa State Teachers Col, 45-46; Florida, 55-60; assoc. prof, SOUTH FLORIDA, 60-64, PROF. SPEECH, 64- Speech Asn. Am; Acad. Polit. & Soc. Sci. Process of thinking in problem solving; measurement of skill in reflective thinking; influence of ethos in oral persuasiveness. Publ: Basic principles of speech, Houghton, 4th Ed, 66; An experimental study in the analysis of measurement of reflective thinking, Speech Monogr. Address: College of Liberal Arts, University of South Florida, Tampa, Fla. 33620.
- SARGENT, DR. CHARLES AUSTIN, b. Red Wing, Minn, Oct. 13, 28; m. 50; c. 4. AGRICULTURAL ECONOMICS. B.S. Wis. State, River Falls, 50; M.S. Wisconsin, 60, Ph.D.(agr. econ), 61. Instr, high sch, Wis, 50-52, veterans instr, 52-55; asst. county agent, Crawford County & Univ. Wisconsin, 55-58; AGR. ECONOMIST, PURDUE, 61- Agr. Econ. Asn; Soc. Planning Off. Community development; public policy research and extension. Publ: Part-time farming in S.E. Indiana, Purdue Res. Bull, 63; co-auth, Adjustment opportunities and production controls in Wisconsin dairying, Univ. Wisconsin Res. Bull, 64. Address: Dept. of Agricultural Economics, Purdue University, Lafayette, Ind. 47907.
- SARGENT, DR. FRANK HAROLD, b. Vienna, Austria, Feb. 7, 18; U.S. citizen; m. 45; c. 3. ECONOMICS, BUSINESS ADMINISTRATION. B.S. Maryland, 58; M.A. George Washington, 60, D.B.A., 65. Exec. trainee, Nat. City Bank, N.Y., 45-47; comptroller, Pentagon, U.S. Dept. Army, 56-61; ASSOC. PROF. ECON. & MGT, NORWICH, 64- Conducted res. studies, Vt. State Develop. Dept. & Gov. of Vt, 67. U.S.A., 41-45, 47-62, Lt. Col. Asn. Adv. Slavic Studies; Econ. Asn; Acad. Polit. & Soc. Sci; Asn. Study Soviet-Type Econ. Soviet economics; East European economics; industrial management. Publ: Psychological preparation of the soldier, U.S. Govt. Printing Off, 43. Address: Dept. of Economics & Business Administration, Norwich University, Northfield, Vt. 05663.
- SARGENT, PROF. FREDERIC O(BERLIN), b. Thetford, Vt, Sept. 30, 19; m. 47; c. 3. AGRICULTURAL ECONOMICS. B.A. Colby Col, 42; summers, Mexico, 46, Aix Marseille & Montpellier, 49; Fulbright scholar, Paris, 49-50; Ph.D. Wisconsin, 52. Asst. Wisconsin, 48-49; statist. analyst, U.S. Marshall Plan, France, 50-51, tech. asst. officer, W. Germany, 51-54; asst. prof. mkt, Colorado State, 54-56; land econ, Texas A&M, 56-59; assoc. prof, Ont. Agr. Col, Toronto, 59-62; PROF. RESOURCE ECON. & CHMN. DEPT. AGR. ECON. VERMONT, 62-; CHMN. EXEC. CMT, VT. RESOURCES RES. CENTER, 63- Consult, Vt. State Planning Proj, 64-66, U.S.A.A.F., 42-45. Am. Agr. Econ. Asn; Soil Conserv. Soc; Soc. Int. Develop; Planning Asn; Regional Sci. Asn; Can. Agr. Econ. Soc. Land economics; economic, rural and water resource development. Publ: Co-ed, Regional and resource planning in Canada, Holt, Can, 63; auth, Scenery classification, Vt. Resources Res. Center,

Report 18, 67; Camel's Hump Park-a proposal to keep a promise to a mountain, Dept. Agr. Econ, 67. Address: Dept. of Agricultural Economics, University of Vermont, Burlington, Vt. 05401.

SARGENT, PROF. LESLIE W, b. Battle Creek, Mich, Feb. 5, 15; m. 52; c. 2. COMMUNICATIONS, JOURNALISM. B.A. Pacific Union Col, 40; M.A. Stanford, 47; Ph.D.(mass comm), Illinois, 58. From asst. prof. to prof. JOURNALISM, Pacific Union Col, 47-63; assoc. prof., OHIO, 63-66, PROF. 66-U.S. Off. Ed. res. grant, 60-61. Med.C. U.S.A., 41-45, Sgt. Asn. Pub. Opinion Res; Nat. Soc. Study Commun; Asn. Ed. Journalism. Opinion formation and communication effects. Publ: Communicator image and news reception, Journalism Quart, 11/65; co-auth, American minority groups view integration, J. Human Rel, 65 & The radical speaker on the university campus, J. Commun, 66. Address: School of Journalism, Ohio University, Athens, Ohio 45701.

SARGENT, DR. LYMAN TOWER, b. Rehoboth, Mass, Feb. 9, 40; m. 61; c. 1. POLITICAL SCIENCE. B.A. Macalester Col, 61; M.A. Minnesota, 62, Ph.D. (polit. sci), 65. Instr. POLIT. SCI, Wyoming, 64-65; ASST. PROF. MISSOURI, ST. LOUIS, 65- Am. Polit. Sci. Asn; Asn. Asian Studies; Polit. Studies Asn. U.K; Int. Polit. Sci. Asn. Normative political philosophy; early modern and recent political thought. Publ: Prolegomena to a study of the political philosophy of Albert Camus, 64, Existentialism and utopianism, 66 & Three faces of utopianism, 67, Minn. Rev. Address: Dept. of Political Science, University of Missouri, St. Louis, Mo. 63121.

SARGENT, DR. S(TEPHEN) STANSFELD, b. Philadelphia, Pa, Aug. 2, 06; m. 37; c. 2. CLINICAL & SOCIAL PSYCHOLOGY. A.B. Haverford Col, 27; M.A. Pennsylvania, 29; Ph.D.(psychol), Columbia, 40; California, Los Angeles, 55-56. Instr. psychol, Adelphi Col, 31-32; liaison officer, Emergency Relief Admin, N.Y., 34-35; asst. prof. psychol, Cent. YMCA Col, 35-40; from instr. to assoc. prof. psychol, Barnard Col, Columbia, 40-55; CLIN. PSYCHOLOGIST, VET. ADMIN. HOSP., 58- Lectr, Columbia, 54; prof, world campus afloat, Chapman Col, 66-67. Private practice, 58- Dipl. Am. Bd. Exam. Prfnl. Psychol, 60. Fel. Psychol. Asn; Soc. Study Social Probs; Soc. Proj. Tech; Group Psychother. Asn. Propaganda techniques; culture and personality; social roles; group psychotherapy; relation between clinical and social psychology. Publ: Basic teachings of the great psychologists; Social psychology; co-ed, Culture and personality. Address: Veterans Administration Hospital, Seventh & Indian School Rd, Phoenix, Ariz. 85012.

SARHAN, DR. AHMED EBADA, b. Egypt, Aug. 26, 20; m. 50; c. 2. STATISTICS. B.S. Cairo, 43; M.S. Liverpool, 52; M.S. Harvard, 53; Ph.D.(statist), North Carolina, 55. Res. assoc. STATIST, North Carolina, 56-57, res. assoc. prof, 57-59, res. prof, 59-60; prof. statist, INST. STATIST, CAIRO, 60-65, DEAN, 66- Statist. Asn; Inst. Math. Statist. Application of order statistics, especially in public health. Address: Institute of Statistics, Cairo University, 33 Messaha St, Dokki, Cairo, U.A.R.

SARICH, DR. B. ROBERT, b. Nish, Serbia, Jan. 17, 11; nat; m. 43; c. 2. ECONOMICS. M.Law & Econ, Paris, 31, M.Polit.Sci, 32, J.D., 33; B.S. American Univ, 49. Secy. embassy, Yugoslav For. Serv, 34-44; econ. adv, Belgian Mission Econ. Coop, 47-51; dep. dir. Africa div, bur. int. progs, U.S. Dept. Commerce, 51-67; COMMERCIAL ATTACHE, AM. EMBASSY, ROME, ITALY, 67- Mem. U.S. Trade Mission, France, 55; U.S. del. Gen. Agreement Tariff & Trade, UN, Geneva, 56, 58, 60-61; chief, U.S. Trade Mission, Tunisia, 57. U.S.A., 45-46. Econ. Asn. International trade and commercial policy. Publ: Economic developments in France, 1954; Basic data on the economy of Yugoslavia; Doing business with France. Address: Commercial Section, American Embassy, APO New York, N.Y. 09794.

SARKISYANZ, PROF. E(MANUEL), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SARLE, PROF. CHARLES F(AYE), Statist, Econ, see 10th ed, Soc. & Behav. Vols, deceased 66.

SARLES, DR. HARVEY B, b. Buffalo, N.Y., July 12, 33; m. 56; c. 2. ANTHROPOLOGY, LINGUISTICS. B.A. Buffalo, 54, M.A., 59; Am. Coun. Learned Soc. summer fel, Chicago, 59, univ. fel, 59-60, Nat. Sci. Found. summer fel, 60, Nat. Inst. Ment. Health fel, 61-62, Ph.D.(anthrop), 66. Mathematician, aeronaut. lab, Cornell, 56-57; res. asst. ling. anthrop, Chicago, 60-61; instr. anthrop. in psychiat, Pittsburgh, 62-63, asst. prof, 63-66; ANTHROP, MINNESOTA, MINNEAPOLIS, 66-67, ASSOC. PROF, 67- AAAS; Anthropol. Asn; Ling. Soc. Am. Linguistics, including speech stream dynamics and intelligibility; kinesics, non-verbal communication; animal behavior and communication, comparative ethology; Mesoamerican cultures and Mayan languages. Publ: New approaches to the study of human communication, Anthropol. Ling, 12/66; The study of intelligibility, Linguistics, 8/67; The study of language and communication across species, Current Anthropol, (in press). Address: Dept. of Anthropology, University of Minnesota, Minneapolis, Minn. 55455.

SAROSI, DR. OLIVER, b. Cluj, Rumania, Jan. 22, 01; nat. POLITICAL ECONOMY. B.C.S. N.Y. Univ, 28; dipl. & Dr. Oec. Publ. Royal Hungarian Tech. Univ, 36; Princeton, 40-41; George Washington, 49-52. Assoc. prof. econ, St. Bonaventure, 56-60; bus. admin, Tex. Col. Arts & Indust, 61-68; PROF. ECON, NEW HAVEN COL, 68- Publ: Trend of the American labor movement: our century, Soc. Econ. Quart. Address: Dept. of Economics, New Haven College, New Haven, Conn. 06516.

SARRI, PROF. ROSEMARY C, b. St. Paul, Minn, Sept. 13, 26; m. 61; c. 2. SOCIOLOGY, SOCIAL WORK. B.A. Minnesota, 48, M.S.W., 55; Ph.D.(sociol. soc. work), Michigan, 62. Dist. dir, St. Paul Coun. Girl Scouts, 47-49; agr. exten. agent, Minnesota, 50-53; assoc. prof. & assoc. state 4-H club dir, Univ. Connecticut, 55-57; res. asst. & lectr, SCH. SOC. WORK, MICHIGAN, 58-62, PROF. SOC. WORK, 62- Consult, President's Cm'n. Law Enforcement, 66-67; consult. to Comptroller Gen. & U.S. Gen. Acct. Off, 68- Prog. chmn. Coun. Soc. Work Ed, 61-; mem. adv. cmt, Wayne County Bd. Ed, 67- Sociol. Asn; Nat. Asn. Soc. Workers. Comparative study of juvenile correctional institutions; juvenile courts; malperformance in public schools; information processing and decision making in human service organizations;

analysis of client careers. Publ: A conceptual framework for group development, In: A conceptual framework for the teaching of the social group work method in classroom 64 & Organizational requisites for a socio-behavioral technology, In: The socio-behavioral approach and applications to social work, 67, Coun. Soc. Work Ed; co-auth, The juvenile court: organization and decision-making, In: Vol. II, Juvenile court hearing officers training manual, Inst. Continuing Legal Ed, Univ. Michigan, 66. Address: School of Social Work, University of Michigan, Ann Arbor, Mich. 48104.

SARROS, DR. P. PETER, b. Greece, Aug. 20, 35; U.S. citizen; m. 66; c. 1. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A. Hobart Col, 57; M.I.P.A. Princeton, 59, M.A., 60, Ph.D.(polit. sci), 64. For. Serv. officer, DIPLOMATIC SERV, U.S. DEPT. STATE, 60-, polit. officer, Am. Embassy, Venezuela, 61-63, cultural affairs officer, 63-65, staff asst, U.S. Ambassador Orgn. Am. States, 65-66, econ. officer, Am. Embassy, Iceland, 66-67, INT. RELS. OFFICER, 67- Polit. Sci. Asn. Latin American politics; international economics; world politics; United States defense policy. Address: 46 Castle St, Geneva, N.Y. 14456.

SARSFIELD, R(ROBERT) B(ENTON), b. Colo, Iowa, Mar. 27, 16; m. 42; c. 3. STATISTICS, ECONOMICS. B.S. Drake, 40; M.A., American Univ, 58. RES. ANALYST, BENSON & BENSON, INC, 46- Agr. statistician, U.S. Dept. Agr, Nebr, 47-48, statistician, D.C., 48-50; statistician & economist, U.S. Bur. Budget, 50-51; int. economist, U.S. Dept. State, 52-67. U.S.A., 41-46, Lt. Col. International economics; business economics; marketing. Address: 8607 Irvington Ave, Bethesda, Md. 20034.

SARTAIN, DEAN A(ARON) Q(UNN), b. Gibtown, Tex, Sept. 5, 05; m. 30; c. 3. PSYCHOLOGY, INDUSTRIAL RELATIONS. A.B. Southern Methodist, 28, fel, 28-30, M.A., 30; Ph.D.(psychol), Chicago, 39. Prin, high sch, N.Mex, 31-32; instr. PSYCHOL, SOUTHERN METHODIST, 32-35, asst. prof, 35-41, assoc. prof, 41-46, PROF, 46-, INDUST. RELS, 58-, DEAN, SCH. BUS. ADMIN, 63-, chmn. dept. psychol, 46-52, personnel admin, 47-58. Fel. AAAS; fel. Psychol. Asn. Nature of leadership; effective motivation of subordinates; union-management relations. Publ: Co-auth, Human behavior in industry; Psychology: understanding human behavior; The supervisor and his job. Address: Southern Methodist University, Dallas, Tex. 75222.

SARTAIN, DR. JAMES A, b. Troy, Ala, May 27, 22; m. 63; c. 1. SOCIOLOGY. B.S. Troy State Col, 47; M.A. George Peabody Col, 48; Ph.D.(sociol), Vanderbilt, 66. Instr. soc. sci, E.Cent. Jr. Col, 48-49; prin, pub. schs, Ala, 50-52; asst. prof. SOCIOL, Tenn. Polytech. Inst, 52-53; Stetson, 55-63; ASSOC. PROF, RICHMOND, 63- Consult, Richmond Pub. Schs, 67- U.S.A.A.F., 42-46, S/Sgt. Address: Dept. of Sociology, Box 246, University of Richmond, Richmond, Va. 23173.

SARTIN, DR. JAMES LEWIS, b. McComb, Miss, Nov. 29, 25; m. 49; c. 3. PSYCHOLOGY, SPECIAL EDUCATION. B.A. Miss. Col, 49; M.A., Fla. State, 50; U.S. Dept. Health Ed. & Welfare Fel, Syracuse, 62-64, Ed.D. 64. Teacher, pub. schs, Miss, 50-51; chief psychologist, Miss. State Hosp, 52-57; asst. prof. sch. psychol. & spec. ed, Northwest. State Col.(La), 57-62; lectr. ment. retardation, Syracuse, 63-64; ASST. PROF. MENT. RETARDATION & EMOTIONAL DISTURBANCE, Cincinnati, 64-65; La. State, 65-66; VIRGINIA, 66- Instr. Milsaps Center, Univ. Mississippi, 52-57. U.S.N.R., 43-46, Med.Serv.C.Res, 59-64, Lt. Psychol. Asn; Asn. Ment. Deficiency; Coun. Except. Children; Coun. Behav. Disorders. Emotional disturbance in children; mental retardation. Publ: A study of the modification of students attitudes toward mentally retarded children, Dissertation Abstracts, 65; The modification of students attitudes toward mentally retarded children, Teacher Ed, 4/67; Social distance of exceptional children, Va. Ed. Rev, 68. Address: Peabody Hall, University of Virginia, Charlottesville, Va. 22903.

SARTORIUS, DR. INA CRAIG, b. Crawford, Nebr, Mar. 18, 92; m. 19; c. 2. PSYCHOLOGY. A.B. State Col. Wash, 19, M.A., Columbia, 25, Ph.D.(psychol), 31. Psychologist & res. assoc, Teachers Col. & Horace Mann Sch, Columbia, 26-30, asst. prin. elem. sch, 30-42, prin, Horace Mann-Lincoln Sch, 42-48, instr. intel. testing, Teachers Col, 42-48; supvr. rural ed, State Dept. Ed, Conn, 48-53; instr, Hilleyer Col, 53-58; MEM. ROUNDOUT VALLEY REGIONAL SCH. DIST. CITIZENS & BD. Ed. ADV. CMT, 59-; TRUSTEE, ULSTER COUNTY COMMUNITY COL, 61- Supt, Housatonic Valley Regional Sch. Dist, 55-58. Teaching remedial reading; in-service education of teachers; curriculum; education of the gifted; individual differences, especially giftedness and ability; juvenile delinquency. Publ: Co-auth, Speller. Address: Accord, N.Y. 12404.

SARTORIUS, DR. LESTER C(LAYTON), b. Welcome, Minn, Aug. 24, 19; m. 44; c. 2. STATISTICS, ECONOMICS. B.B.A. Minnesota, 41, M.A., 49, Ph.D.(statist. & econ), 51. Res. assoc, Minnesota & U.S. Dept. Agr, 49-51; asst. prof. econ. & statist, col. commerce & bus. admin, Illinois, 51-53; asst. dir. econ. res, DEERE & CO, 53-66, DIV. DIR. CORP. PLANNING SERV. DEPT, 66- Statist. Asn; Mkt. Asn; Econ. Asn. Economic, business and marketing research. Publ: Co-auth, 2 chaps. on statist. methods, In: Marketing research, Col. Text, Prentice-Hall, 61; auth, Eating places as marketers of food products, Mkt. Res. Report, U.S. Dept. Agr. Address: Corporate Planning Services, Deere & Co, John Deere Rd, Moline, Ill. 61265.

SARWER-FONER, DR. GERALD, Psychiat, see 11th ed, Phys. & Biol. Vols.

SAS, PROF. ANTHONY, b. Amsterdam, Netherlands, Nov. 14, 22; nat; m. 53; c. 1. GEOGRAPHY. B.A. Amsterdam, Netherlands, 47; M.A., Washington (Seattle), 51; Ph.D. Clark, 57. Civil servant, Netherlands Govt, 47-49; asst. geog, Washington (Seattle), 49-51; teacher, pub. schs, B.C. Can, 52-54; from instr. to asst. prof. GEOG, Maryland, 55-59; ASSOC. PROF, Madison Col. (Va), 59-65; SOUTH CAROLINA, 65- Consult, Res. Anal. Corp, 67- Netherlands Army, 44-45, Sgt. AAAS; Asn. Am. Geog; Geog. Soc; Coun. Geog. Ed. Population study; cultural geography; geography as related to warfare. Publ: Co-auth, Workbook in economic geography; auth, Dutch concentrations in rural southwest Ontario during the postwar decade, Ann. Asn. Am. Geog; Military campaigns-strategy in the mediterranean, Mil. Rev, 10/66. Address: Dept. of Geography, University of South Carolina, Columbia, S.C. 29208.

- SASAKI, DR. KYOHEI**, b. Hawaii, Mar. 4, 18; m. 50; c. 1. **ECONOMICS, ECONOMETRICS**. B.A. Tokyo Imperial Univ, Japan, 44; Ph.D.(econ), Columbia, 57. Asst. Nat. Bur. Econ. Res, N.Y., 53-54; assoc. economist, res. dept., New York Agency, Bank of Tokyo, Inc., 55-59; asst. prof. & economist, econ. res. center, HAWAII, 60-61, assoc. prof. **MATH. ECON, ECONOMET. & STATIST. COL. BUS. ADMIN**, 61-67, PROF, 68- Economet. Soc; Econ. Asn. Mathematics; statistics; econometric analysis in regional economy; operations research; application of Bayesian decision theory to estimation problems. Publ: Statistics for modern business decision making; introduction to Bayesian decision theory, Wadsworth, 68; Quantitative effect of the United States economy on Japan's foreign trade between 1950 and 1956 & Military expenditures and employment multiplier in Hawaii, Rev. Econ. & Statist. Address: Dept. of Business Economics & Statistics, University of Hawaii College of Business Administration, Honolulu, Hawaii 96822.
- SASAKI, PROF. TOM T(AKETO)**, b. Los Angeles, Calif, Apr. 3, 16; m. 46; c. 2. **ANTHROPOLOGY**. A.B. California, 39; Ph.D.(sociol), Cornell, 50. Res. assoc. sociol. & anthrop, Cornell, 50-57; asst. prof. New Mexico, 57-65; **ASSOC. PROF. SOC. RELS. UNIV. & PUB. HEALTH ADMIN, SCH. HYG. & PUB. HEALTH, HOPKINS**, 65- Vis. lectr, Wisconsin, 52; dir. soc. sci. field, N.Mex. Agr. & Mech. Col, 54. Community develop. specialist, For. Oper. Admin. & U.S. Dept. Agr; consult, Navajo Indian Tribe, 56; Jicarilla Apache Indian Tribe, 58-61. Fel. Anthropol. Asn. Effects of technological change on social and personality organization; applied anthropology. Publ: Fruitland, New Mexico: a Navajo community in transition; Sociocultural problems in introducing new technology on a Navajo irrigation project, Rural Social; Situational changes and the Fruitland Navajo, J. Soc. Issues. Address: 1 Chatfield Court, Towson, Md. 21204.
- SASLOW, DR. GEORGE**, b. New York, N.Y., Dec. 5, 06; m. 28; c. 4. **PSYCHIATRY**. B.S. N.Y. Univ, 26, M.S., 29, Ph.D.(physiol), 31; Rochester, 28-28; M.D. Harvard Med. Sch, 40. Asst. biol. N.Y. Univ, 28-30, instr., 30-32, asst. prof., 32-37; instr. physiol. sch. pub. health, Harvard, 37-40; house officer neurol, Boston City Hosp, 40-41; **PSYCHIAT, Worcester State Hosp**, 41-42; asst. Harvard Med. Sch, 42-43, clin. prof., 55-57; instr. sch. med, Washington (St. Louis), 43-44, asst. prof., 44-48, assoc. prof., 48-53, prof., 53-55; **PROF. & CHMN. DEPT. MED. SCH. OREGON**, 57- Assoc. Rochester, 36-37. House officer, Mass. Gen. Hosp, 42-43. Consult, Los Alamos Hosp, N.Mex, 47- Mem. study sect. psychiat, prog. projs. cmt. psychiat. training cmt, Nat. Inst. Ment. Health, 53-66; adv. cmt. psychiat. & neurol. psychol. serv, Vet. Admin, 65-68; chmn. behav. sci. panel, Wooldridge Cmn; assoc. Inst. Appl. Behav. Sci, Nat. Training Lab. Dipl. Am. Bd. Psychiat. & Neurol, 47. Soc. Appl. Anthropol. fel. Psychiat. Asn; fel. Am. Med. Asn; Psychosom. Soc; Soc. Biol. Psychiat; fel. Col. Psychiat; Psychopath. Asn. Psychiatric interview; group dynamics laboratory education. Publ: Co-auth, Behavioral analysis: an alternative to diagnostic classification, addendum to Behavioral analysis, Arch. Gen. Psychiat, 6/65, Learning the art of interviewing: a study of what beginning students do and their pattern of change, Psychother: Theory, Res. & Practice, 7/65 & A psychiatric service in a general hospital, Int. J. Soc. Psychiat, Vol. 13, No. 2. Address: Dept. of Psychiatry, University of Oregon Medical School, Portland, Ore. 97201.
- SASLOW, PROF. H(ARRY) L(EWIS)**, Psychol, see 10th ed, Soc. & Behav. Vols.
- SASSEEN, PROF. ROBERT F(RANCIS)**, b. Brooklyn, N.Y., June 6, 32; m. 57; c. 3. **POLITICAL SCIENCE**. A.B. Notre Dame, 57, Wilson fel, 57-58, M.A., 59; Noyes fel, Chicago, 58-60, Hillman fel, 59-60, Ph.D.(polit. sci.), 61. Instr. polit. sci, Marquette, 60-62; **ASST. PROF.** honors prog, Santa Clara, 62-65; **POLIT. SCI, SAN JOSE STATE COL**, 65- Summer res. fel, Center Study Democratic Insts, 64. U.S.A., 51-54, Sgt. Polit. Sci. Asn. Political philosophy. Publ: Political science, sophistry and the problem of political rectitude, In: Readings in political science, Newman, 65. Address: Dept. of Political Science, San Jose State College, San Jose, Calif. 95114.
- SASSENATH, PROF. JULIUS MARLIN**, b. Eldridge, Calif, Nov. 11, 23; m. 51; c. 2. **EDUCATIONAL PSYCHOLOGY**. A.B. California, 50, A.M., 54, Ph.D., 57. Instr. ed. psychol, San Francisco State Col, 57-58; asst. prof, Indiana, 58-61, assoc. prof., 61-64; **CALIFORNIA, DAVIS**, 64-67, **PROF. ED. & CHMN. DEPT.** 67- U.S. Pub. Health Serv. res. fel. psychol, California, 57-58. U.S.A.A.F., 43-46, Sgt. Psychol. Asn; Ed. Res. Asn. Learning; tests and measurements; child development; teacher behavior. Publ: Learning without awareness and transfer of learning sets, J. Ed. Psychol; Automatic action of verbal rewards and punishments, J. Gen. Psychol; co-auth, Meaning and transfer of verbal learning, J. Ed. Psychol, 68. Address: Dept. of Education, University of California, Davis, Calif. 95616.
- SASTRY, DR. M. V. RAMA**, b. Nellore, India, Oct. 9, 37; m. 58; c. 1. **BUSINESS ADMINISTRATION**. B.A. Andhra, India, 55; M.A. Gujarat Univ, India, 57, Indian Coun. Agr. Res. fel, 58-60; North Carolina, Chapel Hill, 61-62; Ph.D.(econ), Iowa State, 65. **ASST. PROF.** quant. methods, sch. bus. admin, Calif. State Col. Fullerton, 65-67; **STATIST. SCH. BUS. ADMIN, WASHINGTON (SEATTLE)**, 67- Nat. Sci. Found. summer fel. & acad. year exten grant, 67-69. Statist. Asn; Economet. Soc. Application of statistical techniques to economics; econometrics; multivariate analysis; estimation. Publ: Use of bivariate k-statistics in fixing quality standards for market milk, J. Indian Soc. Agr. Statist. Vol. 13, No. 1 & 2; On some problems of applying Leontief type of models on two-stage basis, Metroeconomica, 67, Fascicola II; Integration of national and regional economic models, Indian Econ. J., 4/67. Address: School of Business Administration, University of Washington, Seattle, Wash. 98105.
- SASULY, MAX**, b. Austria, Feb. 7, 88; nat; wid; c. 1. **ECONOMICS, STATISTICS**. B.S. Chicago, 12, M.S., 13. Mem. sci. staff, U.S. Bur. Standards, 14-24, asst. physicist, 17-20, assoc. physicist, 21-24; mem. staff, inst. econ, Brookings Inst, 25, 29-32; dir. res. Index Inst, 26-28; sr. statistician, div. res. & planning, Nat. Recovery Admin, 33-36; nat. health surv. Soc. Security Bd, 37-43; U.S. Bur. Census, 44-45; Irving Fisher Projs, 46-49; **DIR. RES, KRONECKER SOC. SCI. INST**, 50- Res. assoc, Robinson Found, N.Y., 46- Fel. AAAS; Statist. Asn. Trend and cycle analysis of ordered data; demographic analysis; history of social science syntheses. Publ: Trend analysis of statistics, Brookings, 34; Irving Fisher and social science, Econometrica, 10/47; Essential elements and key factors in the social order. Address: Kronecker Social Science Institute, 2101 16th St. N.W., Washington, D.C. 20009.
- SATTER, DR. GEORGE A(LBERT)**, Psychol, see 10th ed, Soc. & Behav. Vols.
- SATTERTHWAITE, DR. ARNOLD C.** b. Germantown, Pa, Apr. 8, 20; m. 42; c. 5. **LINGUISTICS, INFORMATION SCIENCE**. A.B. Haverford Col, 47; M.A. Pennsylvania, 60; George C. Shattuck fel, Harvard, 60, univ. fel, 60-61, Ph.D.(ling), 62. Linguist, Overseas Training Serv, N.Y., 48-49; Arabian Am. Oil Co, N.Y., 49-50, dist. linguist, Saudi Arabia, 50-60; staff mem, div. sponsored res, Mass. Inst. Tech, 60-63; asst. prof. **ANTHROP. & asst. linguist, WASHINGTON STATE**, 63-64, **ASSOC. PROF. & ASSOC. LINGUIST**, 64-, mech. transl. of Arabic to Eng, 64-65. Nat. Sci. Found. res. grant, 65-66. Asn. Mach. Transl. & Comp. Ling; Ling. Soc. Am; Asn. Comput. Mach; Int. Orgn. Comp. Study Ancient Lang; European Ling. Soc. Computational linguistics; theory of language; machine translation; Arabic; dialects of eastern Saudi Arabia; semitics; Afro-Asiatic languages. Publ: Rate of morphemic decay in Meccan Arabic, Int. J. Am. Ling, 60; Sentence-for-sentence translation: an example, Mech. Transl, 65; Programming languages for computational linguistics, Adv. in Computers, 67. Address: Computing Center, Washington State University, Pullman, Wash. 99163.
- SATTERTHWAITE, PROF. LINTON**, b. Trenton, N.J., Feb. 8, 97; m. 30. **ANTHROPOLOGY**. B.A. Yale, 20; Ph.D.(anthrop), Pennsylvania, 43. Private practice, 24-29; archaeol. asst. univ. mus, PENNSYLVANIA, 29-30, 31-32, field dir. & asst. curator, 33-35, lectr. anthrop, univ, 40-45, prof, 55-67, **CURATOR, UNIV. MUS**, 55-, **EMER. PROF.** 67- Brit. Army, 18-19. AAAS; Am. Anthropol. Asn; Soc. Archaeol; Royal Anthropol. Inst. Gt. Brit. & Ireland; hon. mem. Geog. Hist. Soc. Guatemala; Anthropol. Asn. Guatemala; Mex. Anthropol. Soc. Archaeology; mathematics and astronomy of ancient and modern Maya. Publ: Concepts and structures of Maya calendrical arithmetics. Address: University of Pennsylvania Museum, 33rd & Spruce Sts, Philadelphia, Pa. 19104.
- SATTLER, PROF. JEROME M.** b. New York, N.Y., Mar. 3, 31; m. 57; c. 2. **PSYCHOLOGY**. B.A. City Col. New York, 52, fel, 53-54; M.A. Kansas, 53, Ph.D., 60. Asst. psychol, Kansas, 52-53, asst. instr. human reiss, 56-57; trainee clin. psychol, Vet. Admin. Hosp, Topeka, 53-59; clin. psychologist, Osawatomie State Hosp, 59; **ASST. PROF. PSYCHOL, Ft. Hays Kans. State Col**, 59-61; North Dakota, 61-65; **SAN DIEGO STATE COL**, 65- U.S. Off. Ed. res. grant, 66-67. Spec. reader, Perceptual & Motor Skills, 66- U.S.A., 54-55. Psychol. Asn. Experimental personality; intelligence testing variables; future time perspective; phenomenological—existential theory; embarrassment; clinical diagnosis; language usage; word association; clinical child; mental retardation. Publ: Co-auth, Procedural, situational and interpersonal variables in individual intelligence testing, Psychol. Bull, 67; Early recollections related to anxiety and introversion—extroversion, J. Consult. Psychol, 67; Motive to achieve success and motive to avoid failure as a capacity to tolerate uncertainty in a pain producing situation, J. Exp. Res. Personality, 67. Address: Dept. of Psychology, San Diego State College, San Diego, Calif. 92115.
- SATTLER, PROF. WILLIAM M.** Rhet. Theory, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- SATZ, PROF. MARTIN A(LLEN)**, b. Minneapolis, Minn, May 29, 14; m. 48; c. 4. **PSYCHOLOGY**. B.A. Minnesota, 36, M.A., 38; Washington State, 48-49; Ph.D.(counseling psychol), Washington (Seattle), 53. Head res. counsr, Washington State, 48-49; asst. guid. & counseling, Washington (Seattle), 49-52; dir. student personnel, Southwest. State Col, 52-58; assoc. prof. **PSYCHOL, MENT. HYG. & PSYCHOL. TESTING, BLOOMSBURG STATE COL**, 58-62, **PROF.** 62- Nat. Sci. Found. summer fel, Beloit Col, 67. Consult, Sch. Hope, Pa, 61; Danville State Hosp, 66- U.S.A.A.F., 41-45, Capt. Psychol. Asn; N.Y. Acad. Sci. Prediction study of academic success, using eleven independent variables; factors related to college mortality; personality profiles of persons with severe stuttering patterns. Publ: How college freshmen retrospectively regard their academic preparation for college, Okla. Acad. Sci. Address: Dept. of Psychology, Bloomsburg State College, Bloomsburg, Pa. 17815.
- SATZ, DR. PAUL**, b. Ware, Mass, Sept. 12, 32; m. 57; c. 3. **PSYCHOLOGY**. B.A. Miami (Fla), 57, M.S., 59; Ph.D.(psychol), Kentucky, 63. Psychol. trainee, Vet. Admin. Hosp, Coral Gables, Fla, 60, Lexington, Ky, 60-63 & Cincinnati, Ohio, 63; Nat. Inst. Ment. Health fel, div. behav. sci. col. med, FLORIDA, 63-64, **ASSOC. PROF. CLIN. NEUROPSYCHOL. LAB. DEPT. PSYCHOL. & CLIN. PSYCHOL**, 64-, **MEM. STAFF, CENTER NEUROBIOL. SCI**, 65-, **MEM. GRAD. FACULTY**, 66- Co-investr, Nat. Inst. Ment. Health res. grant, 65-; prin. investr, Nat. Inst. Ment. Health res. grant, 66-; Fla. Res. & Training grant, 67-68. Regional consult, Vet. Admin, 66-, local consult, Gainesville, Fla, 68- Psychol. Asn; Psychonomic Soc; Acad. Aphasia. Neuropsychology; experimental psychopathology; application of multivariate and decision theory models to clinical prediction. Publ: Specific and nonspecific effects of brain lesions in man, J. Abnorm. Psychol, 70: 65-70; A block rotation test: the application of multivariate and decision theory analysis for the prediction of organic brain disorder, Psychol. Monogr, 80: 1-29; Correlations between assessed manual laterality and predicted speech laterality in normal population, Neuropsychologia, 5: 295-310. Address: 3916 N.W. 21st Terr, Gainesville, Fla. 32601.
- SAUER, PROF. CARL O(RTWIN)**, b. Warrenton, Mo, Dec. 24, 89; m. 13. **GEOGRAPHY**. A.B. Cent. Wesleyan Col, 08; Northwestern, 08-09; Ph.D., Chicago, 15; hon. D.Phil. Heidelberg, 56; LL.D. Syracuse, 58, California, Berkeley, 60, Glasgow, 65. Map ed, Rand McNally Co, 12-13; instr. Mass. State Norm. Sch, 13-14; **GEOG. Michigan**, 15-18, asst. prof., 18-20, assoc. prof. & dir. field courses, 20-22, prof., 22-23; prof, CALIFORNIA, BERKELEY, 23-57, chmn. dept, 23-54, acting chmn. dept, 56-57, **EMER. PROF.**, 57- J.S. Guggenheim Mem. fel, 31; Isaiah Bowman Mem. lectr, 52. Asst. geologist, Ill. Geol. Surv, 10-12; agent, off. farm mgt, U.S. Dept. Agr, 19-20; sr. consult, Soil Conserv. Serv; founder, Mich. Land Econ. Surv; founder & former ed, Ibero-Americana. Mem. selection bd, J.S. Guggenheim Mem.

Found, 36-65; co-chmn, Wenner-Gren Found. Int. Symp, Princeton, 55; mem. bd. visitors, Air Univ, 49-52. Vega Medal, Swedish Soc. Anthropol. & Geog, 57. Asn. Am. Geog. (pres, 40, hon. pres, 58); cor. mem. Am. Geog. Soc. (Charles P. Daly medal, 40); Philos. Soc; hon. fel. Royal Scottish Geog. Soc; hon. mem. Royal Netherlands Geog. Soc; hon. mem. Geog. Soc. Finland; hon. mem. Mex. Nat. Acad. Sci. Latin America; anthropogeography; Pleistocene environment. Publ: Land and life, 65, 67 & Early Spanish Main, 66, Univ. California; Agricultural origins and dispersals, M.I.T. Press, 68. Address: Dept. of Geography, University of California, Berkeley, Calif. 94720.

SAUER, DR. CHARLES W (ILLIAM), Org. Chem, see 11th ed, Phys. & Biol. Vols.

SAUER, PROF. DONALD H (ARVEY), b. Holton, Ind, Sept. 28, 27; m. 52. BUSINESS FINANCE. B.S. Indiana, 54, M.B.A. 55, D.B.A. 59. Exec. secy, doctor of bus. admin. prog, INDIANA, 57-59, asst. prof. FINANCE, 59-62, ASSOC. PROF, 62-, chmn. dept, 62. V-pres, Business & Real Estate Trends, Inc, 55- U.S.A., 46-52, 1st Lt; Silver Star Medal; Distinguished Flying Cross; Air Medal. Finance Asn; Econ. Asn. Residential financing and housebuilding requirements and activity. Publ: Demand for and the supply of nonfarm residential mortgage funds, 1960-1970; Residential construction and financing during the sixties; Technological change and financial decisions. Address: School of Business, Indiana University, Bloomington, Ind. 47401.

SAUER, PROF. ELMER LOUIS, b. Sedalia, Mo, Apr. 26, 10; m. 34; c. 3. AGRICULTURAL ECONOMICS. B.S., Illinois, 31, M.S., 34, Ph.D. (agr. econ), 47. Asst. farm mgt, Illinois, 31-36; prof. supvr, res. div, soil conserv. serv, U.S. Dept. Agr, 36-53, res. economist, prod. econ. br, agr. res. serv, 53-56, res. liaison rep, cornbelt states, soil conserv. serv, 56-61, soil conservationist, farm & ranch planning div, 61; PROF. RURAL DEVELOP, ILLINOIS, URBANA, 61-, leader, coop. exten. proj, community & area resource development div, gen. chmn, agr. indust. forum, 68. Vis. Fulbright prof. & consult, Univ. West Indies, 67. U.S. Dept. Agr, Superior Serv. award, 56. Fel. Soil Conserv. Soc. Am. (v-pres, 58-59, pres, 60); Agr. Econ. Asn. Economics of soil and water conservation; land and water resource needs; rural area and community development programs. Publ: Auth, Illinois area resource development, Univ. Illinois Monthly News Letter, 62-68. Address: 305 Mumford Hall, University of Illinois, Urbana, Ill. 61801.

SAUER, PROF. HOWARD M, b. Hedrick, Iowa, Jan. 30, 08; m. 31; c. 2. SOCIOLOGY. B.A., Des Moines Univ, 29; M.A., Iowa, 31. Prin, high sch, Iowa, 31-34, teacher, 34-38; PROF. SOCIOLOG. & HEAD DEPT, S.DAK. STATE, 38-Mem. S.Dak. Governors Cmt, White House Conf. Aging, 60, del, 61. U.S.N., 44-46, Res, 46-, Lt. Comdr. Rural Sociol. Soc. (secy-treas, 62-); Sociol. Soc. Retirement and health problems of rural families in South Dakota. Publ: Adjustment of the elderly in Eastern South Dakota, S.Dak. State Col. Agr. Exp. Sta. Bull. Address: Dept. of Rural Sociology, South Dakota State University, Brookings, S.Dak. 57006.

SAUER, PROF. WARREN L (OUI), b. Dearborn, Mich, Dec. 30, 30; m. 61. SOCIOLOGY, ANTHROPOLOGY. B.A., Wayne State, 52; Syracuse, 53; M.A., Mich. State, 58, Ph.D. (sociol), 60. Asst. instr. sociol, Mich. State, 59-60, res. analyst, State Dept. Ment. Health, 60-61; asst. prof. SOCIOLOG. Western Michigan, 61-62; Southern Illinois, 62-63; ASSOC. PROF. WATERLOO, 63- U.S.A.F. 52-56. Sociol. Asn. Industrial sociology; business-labor relations; power-wielding of economic groups; sociological analysis of complex organizations; ideology of economic groups. Publ: Co-auth, Organized labor's image of community power structure, Soc. Forces & Community Influentials in a middle-sized city: a case study, Inst. Community Develop, Mich. State Univ. Address: Dept. of Sociology & Anthropology, University of Waterloo, Waterloo, Ont, Can.

SAUERLENDER, DR. OWEN H, b. Jamaica, W.I., Jan. 6, 13; nat; m. 46; c. 3. ECONOMICS, STATISTICS. B.S., Iowa State, 46, M.S., 47; Illinois, 49-52; Ph.D., Minnesota, 58. Economist, Govt. Secretariat, Jamaica, 47-49; instr. ECON, Illinois, 49-52; Minnesota, 52-55; lectr, PA. STATE, 55-58, ASSOC. PROF, 58- Econ. Asn; Economist. Soc; Statist. Asn. Development of a transportation sensitive input-output interregional model for forecasting transportation needs of Pennsylvania; economic impact of highway beautification program. Publ: Co-auth, Short-term economic forecasting, Nat. Bur. Econ. Res, Princeton, 55 & Factors that influence economic development at non-urban interchange locations, Inst. Res. Land & Water Resources, Pa. State, 66; co-auth, Economic expectations and plans of firms in relations to short-term forecasting. Address: Dept. of Economics, Pennsylvania State University, University Park, Pa. 16802.

SAUFLEY, DR. WILLIAM H, JR, b. New Orleans, La, Nov. 15, 37. PSYCHOLOGY. B.S., Tulane, 59, M.S. 61; Ph.D. (psychol), Northwestern, 65. Instr. PSYCHOL, EMORY, 64-65, ASST. PROF, 65- Psychol. Asn. Human Learning. Address: Dept. of Psychology, Emory University, Atlanta, Ga. 30322.

SAUL, PROF. EZRA V (ICTOR), b. Hartford, Conn, July 22, 25; m. 51; c. 2. PSYCHOLOGY. B.S., Connecticut, 47, M.A., 49; Ph.D. (psychol), Ohio State, 51. Asst. instr, Ohio State, 49-51; res. assoc. psychol, INST. PSYCHOL. RES, TUFTS, 51-52, proj. dir. & Prin. investr, 52-58, DIR. INST, 58-, PROF. PSYCHOL, UNIV, 64-, DIR. OFF. RES. ON ED. & ORGN. INNOVATION; SCH. MED, 67-, assoc. prof. ed. psychol, univ, 58-64. Hosp. Res. & Ed. Trust fel, 66-67. Consult, nat. proj. agr. commun, Mich. State, 59-60; ed. consult, New Eng. Hosp. Assembly, 59; Post Grad. Med. Inst, Mass Med. Soc, 63- Mem. armed forces vision cmt, Nat. Acad. Sci-Nat. Res. Coun, 59-60. U.S.N., 44-46. AAAS; Psychol. Asn; Ed. Res. Asn; Asn. Am. Med. Cols. Educational psychology; human engineering; study and evaluation of planned organizational and social change. Address: Institute for Psychological Research, Tufts University, Medford, Mass. 02155.

SAUL, PROF. FRANK P (HILIP), b. New York, N.Y., Oct. 31, 30. PHYSICAL ANTHROPOLOGY. A.B., Brooklyn Col, 52; Hunter Col, 52; A.M., Harvard, 59. Field asst, archaeol. expd. to S.Dak, univ. mus, Kansas, 50; asst. phys. anthrop, Am. Mus. Natural Hist, 51-52; phys. anthropologist, aero med. lab,

Wright Air Develop. Center, U.S. Dept. Air Force, 53-58; Natick Qm. Res. & Eng. Center, U.S. Dept. Army, 58-59; field study Hutterite morphol, Harvard, 59, teaching fel. anthrop, 59-62; instr, PA. STATE, 62-67, ASST. PROF. ANTHROP. & PHYS. ANTHROPOLOGIST, EAST. PA. ARCHAEOLOG. PROJS, 67- Res. assoc, Boston Mus. Sci, 60-62; Phys. anthropologist, Maya Area Archaeol. Projs, Peabody Mus, Harvard, 62- Human factors consult, 59- Med.Serv. C.Res, U.S.A.F. 53-, Capt. AAAS; Anthropol. Asn; Asn. Phys. Anthropol; Human Factors Soc; Soc. Human Genetics; Eugenics Soc. Osteology; human factors; museum education; anthropological film making; biological origin and evolution of the Maya. Address: Dept. of Anthropology, Walnut Bldg, University Park, Pa. 16801.

SAUL, DR. LEON J (OSEPH), Psychiat. see 11th ed, Phys. & Biol. Vols.

SAUL, DR. RICHARD S, b. New York, N.Y., Nov. 8, 32; div. POLITICAL SCIENCE. B.S., State Univ. N.Y. Col. Brockport, 55; M.A., Syracuse, 61, D.Sc.S., 66. Instr. polit. econ, BOSTON, 61-64, ASST. PROF. GOVT, 64- Boston Univ. Grad. Sch. fel, 66-67. Acad. Polit. & Soc. Sci; Polit. Sci. Asn; Law & Society Asn. Constitutional law—procedural due process, police activity, and the community; national institutions—Presidency, Congress. Address: Dept. of Government, Boston University, 236 Bay State Rd, Boston, Mass. 02215.

SAULNIER, PROF. R (AYMOND) J (OSEPH), b. Hamilton, Mass, Sept. 20, 08; m. 34; c. 2. ECONOMICS. B.S., Middlebury Col, 29, hon. LL.D., 58; M.A., Tufts Col, 31; Ellis fel, Columbia, 31-33, Ph.D., 38; LL.D., Babson Inst, 62. Asst. prof. ECON, BARNARD COL. & COLUMBIA, 38-46, assoc. prof, 46-49, PROF, 49- Mem. res. staff, Nat. Bur. Econ. Res, 38-46, dir. financial res. prog, 46-53. Consult, bd. govts, Fed. Reserve Syst, 39-41; Dept. Agr, 39-41; Housing & Home Finance Agency, 39-41; Fed. Res. Bd, 50-52; Farm Credit Admin, 51-52; Coun. Econ. Adv. to President, 53-55, mem, 55-56, chmn, 56-61. Chmn, President's Cabinet Cmt. on Small Bus, 56-61, other cabinet & interagency cmts, 56-61; U.S. Rep, econ. policy cmt, Orgn. European Econ. Coop, 56-61; trustee, Middlebury Col; New York Bank for Savings, 61-; pres, Cath. Cmn. Intellectual & Cultural Affairs, 63-64; pub. gov. Am. Stock Exchange, 65- Econ. Asn; Finance Asn. (pres, 41-42); Acad. Polit. Sci; Conf. Bus. Econ. Financial research; public administration of economic policies. Publ: Contemporary monetary theory, Columbia Univ. Press, 38; Business finance and banking, Nat. Bur. Econ. Res, 47; Strategy of economic policy, Fordham Univ. Press, 62. Address: 410 Lehman Hall, Barnard College, New York, N.Y. 10027.

SAUM, PROF. JAMES A (RTHUR), b. Gooding, Idaho, Jan. 21, 22; m. 49; c. 2. COUNSELING PSYCHOLOGY. B.S., Oregon State, 46, M.S., 48; Ed.D. (guid), Stanford, 51. Teacher & counsr, high sch, Ore, 48-49; guid. consult, Off. San Mateo County Supt. Schs, Calif, 51-56; PROF. COUNSR. ED, SACRAMENTO STATE COL, 56-, HEAD DEPT, 60- Field consult, Nat. Defense Ed. Act, Calif. State Dept. Ed, 59- Sig.C, U.S.A., 43-46. Personnel & Guid. Asn. Assessment of interests. Publ: Readings in guidance. Address: Dept. of Counselor Education, Sacramento State College, 6000 J St, Sacramento, Calif. 95819.

SAUNDERS, DR. ALLAN F (REDERIC), b. Cranford, N.J., Dec. 2, 97; m. 46; c. 2. POLITICAL SCIENCE. B.A., Amherst Col, 18; M.A., Wisconsin, 20, Ph.D., 27. Instr. polit. sci, Pennsylvania, 20-23; Wisconsin, 23-28; asst. prof, Minnesota, 28-31; assoc. prof, Scripps Col, 31-41; instr, private sch, Calif, 41-42; asst. prof, Amherst Col, 42-45; assoc. prof, Hawaii, 45-47, prof, 47-66, dean col. arts & sci, 55-63; RETIRED. Scottish judicature. Address: 3596 Woodlawn Dr, Honolulu, Hawaii 96822.

SAUNDERS, BYRON W, Indust. Eng, Eng. Econ, see 11th ed, Phys. & Biol. Vols.

SAUNDERS, PROF. DAVID R (OBERTSON), b. Philadelphia, Pa, Mar. 10, 23; m. 45; c. 2. PSYCHOLOGY. S.B., Harvard, 43; Soc. Sci. Res. Coun. fel. & M.A., Illinois, 49, Ph.D. (psychol), 50. Jr. chemist, Gen. Aniline & Film Corp, Pa, 43-45; chemist, Carbide & Carbon Chem. Corp, Tenn, 45-46; res. assoc. psychol, Illinois, 50-51; Ed. Testing Serv, 51-60, head personality res, 55-59; vis. prof, Hawaii, 60; psychol. consult, 61-65; PROF. PSYCHOL, COLORADO, 65-, ASSOC. DIR. RES. STUDENT LIFE CENTER, 65- Vis. lectr, Rutgers, 55-60. Consult, Psychol. Assessment Assocs, Wash, D.C., 61-; indust. rela. center, Univ. Chicago, 62-; human ecol. prog, Cornell Univ. Med. Center, 64-; Psychol. Corp, New York, 67- U.S.A., 45-46. AAAS; Psychol. Asn; Psychomet. Soc. (treas, 54-56); Psychonomic Soc; Chem. Soc; Statist. Asn; Inst. Math. Statist. Methodology for personality measurement; cross-cultural test construction; relationships between psychological and physical variables; unidentified flying objects. Address: 1418 Mariposa, Boulder, Colo. 80302.

SAUNDERS, PROF. DWIGHT deLANO, b. Dallas, Tex, Aug. 17, 18; m. 63. ECONOMICS. B.S. & M.S., Tex. Col. Arts & Indust, 51; Logan fel, Oklahoma, 52-54, Ph.D., 54. Instr. ECON, Oklahoma, 52-54; asst. prof, South. State Col, 54-56; PROF, DRAKE, 56- Danforth fel, 56-62; Gen. Elec. scholar, 59; Ford Found. fel, 62. Econ. Asn. Economic history. Address: Dept. of Economics, Drake University, Des Moines, Iowa 50311.

SAUNDERS, EDWARD R, JR, Res. Admin, see 11th ed, Phys. & Biol. Vols.

SAUNDERS, PROF. FRED B (RADLEY), b. Americus, Ga, Sept. 17, 24; m. 48; c. 4. AGRICULTURAL ECONOMICS. B.S.A., Georgia, 43, M.S.A., 49; Gen. Ed. Bd. fel. & Ph.D., Iowa State, 58. Field enumerator AGR. ECON, Ga. Exp. Stas, 48; asst, Georgia, 49; agr. economist, Berry Col, 49-50; instr, GEORGIA, 51-53, asst. prof, 53-54, asst. economist, 54-59, assoc. prof, 59-65, PROF, 65- U.S.A., 44-46, Sgt. Agr. Econ. Asn. Production economics, especially agricultural adjustments on individual farms, between farms and area adjustments in resource use and economic development. Publ: Economic analysis of part-time farming; Capital structure and productivity on family-operated farms; Economics of resource use in farm and nonfarm opportunities. Address: College Experiment Station, University of Georgia, Athens, Ga. 30601.

SAUNDERS, DR. GEORGE, b. Philadelphia, Pa, May 31, 21; m. 50; c. 2. ECONOMICS. B.A., Pa. State, 49, M.A., 51; fel, Syracuse, 51-52, Ph.D. (econ),

59. Instr. bus. admin, Syracuse, 52-54; mkt. analyst, Carrier Corp, 54-56; ASSOC. PROF. MKT, SYRACUSE, 56-, chmn. dept, 66-68. Summers, participant, res. mkt. workshop, California, Berkeley, 64, mgt. develop. prog. Cebu City, Philippine Islands & mgt. develop. lectr, Beirut, Lebanon, Karachi, Pakistan & New Delhi & Bombay, India, 65. Econ. Asn; Mkt. Asn; Inst. Mgt. Sci. Marketing; economic developmental analysis as applied to developing countries and American cities in the current urban crisis. Publ: Marketing research in the Philippines, Mkt. Horizons, 64. Address: Dept. of Marketing, College of Business Administration, Syracuse University, 116 College Place, Syracuse, N.Y. 13210.

SAUNDERS, DR. GEORGE S(OLOMON), b. Toronto, Ont, Mar. 4, 28; m. 56; c. 2. ECONOMICS. B.Com, Toronto, 51; M.S. Wisconsin, 52, Ph.D.(econ), 59. Economist, ECON. & RES. BR. DEPT. LABOR, GOVT. OF CAN, 54-66, DIR, 66- Dir. res, Task Force Labor Rels, 66. Econ. Asn; Indust. Rels. Res. Asn; Can. Indust. Rels. Res. Inst. Economic influence of unions; wage-price relations; wage differentials and wage structures in Canada; Canadian labor costs and productivity; wage surveying techniques; working conditions and collective bargaining research. Publ: Wage determination in Canada, Queens Printer Can, 65; co-auth, Hours of work in Canada, 65 & Research activities of the economics and research branch of the Canada Department of Labour, 10/66, Indust. Rels. Res. Asn. Address: 10 Kingsmill St; Ottawa 5, Ont, Can.

SAUNDERS, PROF. GERALD K(ENNETH), b. Castorland, N.Y, May 28, 08; m. 25; c. 1. ECONOMICS. B.B.A. Miami (Fla), 52, M.A. 54. Asst. econ, Miami (Fla), 52-54; assoc. prof. econ. & chmn. econ. & bus. div, Mo. Valley Col, 55-67; ASSOC. PROF. ECON. & CHMN. ECON. & BUS. DEPT. DEFIANCE COL, 67- Ford Found. summer fells, 61 & 63. Econ. Asn. Marginal analysis; problems of price and distribution theory. Publ: Analysis and evaluation of present poor law in the United States. Address: Dept. of Economics & Business, Defiance College, Defiance, Ohio 43512.

SAUNDERS, PROF. H(AROLD) W(ILLIAM), b. Oskaloosa, Iowa, Jan. 15, 09; m. 33; c. 3. SOCIOLOGY. A.B, Penn Col, 30; A.M. Iowa, 36, Ph.D. 42. Instr. sociol. & econ, Iowa, 35-42, asst. prof, SOCIOL, 42-45, assoc. prof, 45-49, PROF, 49-, chmn. dept, 46-59. Vis. prof, Hawaii, 63. Trustee, William Penn Col. Del. White House Conf. Aging, 61. Fel. Sociol. Asn; Soc. Appl. Anthropol; Soc. Study Social Probs; Pop. Asn; Nat. Coun. Family Rels; Pub. Health Asn. Population and human ecology; sociology of occupations; theory of social institutions; medical sociology; social gerontology. Publ: World economic problems; Polls and public opinion; Population pressure, migration and family size. Address: 127 Macbride Hall, University of Iowa, Iowa City, Iowa 52240.

SAUNDERS, DEAN JACK O.L., b. Aug. 9, 18; U.S. citizen; m. 40; c. 2. EDUCATION. Teacher, high sch, Nebr, 43-47, admin. prin, 47-50, admin. supt, pub. schs, 50-53; asst. prof. ed, West. Wash. State Col, 54-55; prof. & chmn. dept, N.Mex. West. Col, 55-62; head dept. elem. & sec. ed, NEW MEXICO STATE, 62-66, asst. dean ed, 66-68; DEAN COL. ED, 68- Consult. for Off. Econ. Opportunity, Ed. Sys. Corp. to Univ. Albuquerque, 67-68. U.S.A., 43-46, 1st Lt. Nat. Ed. Asn. Curriculum; instruction; teacher education. Publ: Cooperatively teaching teachers, Enterprise Press, 61; co-auth, A concept of the teaching learning process, 65 & Going forth to teach, 66, Bur. Ed. Res. Address: College of Education, Box 3155, New Mexico State University, Las Cruces, N.Mex. 88001.

SAUNDERS, PROF. J(OHN) V(AN) D(YKE), b. Porto Alegre, Brazil, Feb. 25, 30; U.S. citizen; m. 52; c. 3. SOCIOLOGY. B.A. Vanderbilt, 51, M.A. 55; fel. & Ph.D.(sociol), Florida, 55. From instr. to asst. prof. sociol. & rural life asst. sociologist, agr. exp. sta, Miss. State Col, 55-58; Fulbright lectr, Univ. Guayaquil & Central Univ, Ecuador, 58-59; asst. prof. sociol, La. State, 59-61, assoc. prof, 61-62, chmn. grad. prog. Latin Am. studies, 60-62; assoc. prof. sociol. & dir. Latin Am. Lang. & Area Center, FLORIDA, 62-66, PROF. SOCIOL, 67- U.S. Off. Ed. res. grant demog, Brazil, 65-66; prog. adv. pop, Ford Found, Lima, Peru, 67-68. Lang. fel. consult, U.S. Off. Ed, 63-66; consult, Ford Found. Pop. Prog, 66-67. Contrib. ed, Handbook Latin Am. Studies, 63-; consult. ed, J. Inter-Am. Studies, 64- Sociol. Asn; Rural Sociol. Soc; Pop. Asn; Latin Am. Studies Asn. Latin American and rural sociology; demography; medical sociology; Publ: Differential fertility in Brazil; The people of Ecuador: a demographic analysis. Address: Dept. of Sociology, University of Florida, Gainesville, Fla. 32601.

SAUNDERS, DR. PHILLIP, b. Morgantown, W. Va, Sept. 3, 34; m. 56; c. 3. ECONOMICS. B.A., Pa. State, 56; M.A. Illinois, 57; Ph.D.(econ), Mass. Inst. Tech, 64. Instr. ECON, Bowdoin Col, 61-62; res. assoc, CARNEGIE-MELLON UNIV, 62-63, asst. prof, 63-67, ASSOC. PROF, 67-, ASSOC. DEAN, MARGARET MORRISON CARNEGIE COL, 68- Econ. Asn; Indust. Rels. Res. Asn. Organized labor and politics. Publ: Co-auth, Readings in economics, McGraw, 64, Economic education aspirations and achievements, 6/65 & Lasting effects of economic courses, 6/66, Am. Econ. Rev. Address: Dept. of Economics, Carnegie-Mellon University, Pittsburgh, Pa. 15213.

SAUNDERS, R. DUANE, b. Bergville, Minn, May 23, 13; m. 49; c. 3. ECONOMICS. B.B.A. Minnesota, 39, 41. Fiscal economist, U.S. DEPT. TREAS, 41-52, asst. chief debt anal. staff, 52-59, dir. off. debt anal, 59-66, ASST. TO SECY, 66- Consult, Atlantic-Pac. Inter-oceanic Canal Study Cmn, 65-; Philippine Govt, 66-67. U.S.A., 42-46, Capt. Econ. Asn. Federal government finance; flow of funds analysis; private pension funds. Publ: Government securities in the corporate pension trust picture; Development of the flow of institutional savings in the analysis of treasury borrowing problems. Address: 2400 Daphne Lane, Alexandria, Va. 22306.

SAUNDERS, DR. RICHARD P(RESKOTT), b. Somerville, Mass, Aug. 25, 01; m. 37; c. 1. SOCIOLOGY, HIGHER EDUCATION. B.S., N.Y. Univ, 34, M.A., 35, Ed.D., 38; LL.D., Rockford Col, 59. Dir. off-campus degree credit prog. & instr. inst. ed, N.Y. Univ, 34-37; 1st pres, Mitchell Col, 38-45; Palos Verdes Col, 46-51; pres, Save the Children Fedn, 51-60; assoc. exec. secy, Asn. Higher Ed, 61-67; EXEC. DIR, COUN. ADV. SMALL COLS, 67- Pres,

Futures for Children, Inc; Inst. Human Resources Develop. Sociol. Asn. Education and international human resources development. Address: Council for the Advancement of Small Colleges, 1346 Connecticut Ave, Washington, D.C. 20036.

SAUNDERS, PROF. WILLARD J(OHN), b. Grass Valley, Calif, June 12, 17; m. 42; c. 2. BUSINESS MANAGEMENT. A.B. San Jose State Col, 41; M.A., California, 44. Instr. & dean, Healds Bus. Col, 46-47; instr, Modesto Jr. Col, 47-48; asst. prof. BUS, SAN JOSE STATE COL, 48-54, assoc. prof, 54-61, PROF, 61-, EXEC. V.PRES, INST. INS. STUDIES, 62- Lectr, Am. Inst. Banking, 48-; Found. Econ. Ed. fel, Rheem Mfg. Corp, 51; N.Y. Life Ins. Co, 54; mgt. seminar fel, Inst. Hqs, 56; Bank of Am, 58; Metrop. Life Ins. Co, 60 & 64, vis. prof, 60-; Wells Fargo Bank, 65; Inst. Freedom & Competitive Enterprise fel, Claremont Men's Col, 54. Econ. Asn; Admin. Mgt. Soc; Risk & Ins. Asn. Managerial economics and insurance; insurance training, education and careers. Publ: Consumer expenditures and their significance in national planning; Rheem Manufacturing Company selected management procedures; Life insurance: adapt it to your needs, Harvest Years, 3/66. Address: School of Business, San Jose State College, San Jose, Calif. 95114.

SAUNDERS, WILLIAM B(AILET), b. Boston, Mass, Jan. 10, 18; m. 39; c. 3. ECONOMICS, STATISTICS. A.B. Harvard, 39; M.A. American Univ, 41. Jr. economist, U.S. Dept. Commerce, 39-41; transportation specialist, U.S. War Prod. Bd, 41-42; transportation analyst, U.S. Off. Defense Transportation, 42-44; thief indust. res. sect, Off. Statistics Serv, 44-45; res. analyst, Asn. Am. R.R. 45-47; ECON. CONSULT, W.B. SAUNDERS & CO, 47-; V.PRES, EBS MGT. CONSULTS, 66- Tech. adv, U.S. Del. Pan-Am. Rwy. Cong, 61 & 64. Consult, U.S. Dept. Commerce, 60; Nat. Capital Transportation Agency, 61; Alaska Int. Rail & Hwy. Cmn, 61; U.S. Dept. Interior. Mem, Hwy. Res. Bd, Nat. Acad. Sci-Nat. Res. Coun. Econ. Asn; Statist. Asn; Mkt. Asn; Soc. Traffic & Transportation. Economics of transportation; regional development; economic feasibility studies. Publ: How automated planning can be programmed, Metrop. Transportation, 3/62; Selling the physical distribution concept to top management, Handling & Shipping, 8/64; Why innovation won't take root, Transportation & Distribution Mgt, 4-65. Address: EBS Management Consultants Inc, 1225 Connecticut Ave, N.W., Washington, D.C. 20036.

SAUNDERS, DR. WILLIAM J(OHN), JR, Indust. Psychol, see 10th ed, Soc. & Behav. Vols.

SAUPE, PROF. MILDRED W(INN), b. Sedgwick, Kans, Dec. 4, 97; m. 18; c. 2. PSYCHOLOGY. B.S. Southeast Mo. State Teachers Col, 20; A.M. Missouri, 34, Ph.D.(ed. psychol), 41. Instr. psychol, Christian Col, 34-35, 40-41; psychologist & dir. ed. dept, Mo. State Sch, 42-45; prof. & chmn. dept. PSYCHOL, MO. VALLEY COL, 45-63, EMER. PROF, 63- Vis. prof, Winthrop Col, 64-65; Kans. State Col. Pittsburgh, 66-67. Psychol. Asn. Test construction; measurement and evaluation. Publ: Analysis of the meaning of averageness in a college testing program. Address: 255 Judson Ave, Redlands, Calif. 92373.

SAUSE, PROF. GEORGE G, b. Souderton, Pa, Sept. 28, 19; m. 48. ECONOMICS. B.S. Moravian Col, 41; Ph.D.(econ), Columbia, 52. Instr. ECON, Moravian Col, 47-49; PROF, LAFAYETTE COL, 50-, Thomas R. & Lura Jones superior teaching awards, 58 & 62. Consult, Northampton County, Pa, 56-58; State Cmt. Assessment Practices, Calif, 58; Joint Planning Cmn, Lehigh-Northampton Counties, Pa, 65- Mem. spec. cmt. tax policies, New York Citizens' Housing & Planning Coun, 59-60. U.S.A.A.F, 42-45. Econ. Asn; Finance Asn. Public finance; money and banking. Publ: Municipal authorities: The Pennsylvania experience; Money, banking and economic activity, Health, 66; Municipal poll taxes in Pennsylvania, Nat. Tax J. Address: 622 W. Lafayette St, Easton, Pa. 18042.

SAUTE, DR. GEORGE D(eWITT), Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

SAUVAIN, PROF. H(ARRY) C(HARLES), b. Muncie, Ind, Nov. 15, 07; m. 35; c. 2. ECONOMICS. D.C.S.(int. finance), N.Y. Univ, 35. Instr. FINANCE, N.Y. Univ, 31-36; asst. prof, INDIANA, 36, assoc. prof, 36-38, prof, 38-62, chmn. dept, 46-59, UNIV. PROF, 62-, dir. invest. res. bur, 36-43, acting dean sch. bus, 42-43. Dir, Life Officers Invest. Seminar, 41-47; vis. prof, Stanford, 59-60; Gerstenberg vis. prof, N.Y. Univ, 60-61; dir, First Nat. Bank of Bloomington, Ind, 60-; trustee, Teachers Ins. & Annuity Assn, New York, 66- Secy, State Cmn. Financial Inst, Ind, 41-43. Mem, bd. mgrs, Ministers & Missionaries Benefit Bd, Am. Baptist Convention, New York, 59- A.U.S., 43-46, Maj. Econ. Asn; Finance Asn.(v.pres, 67, pres, 68). Finance; investments; corporation finance. Publ: Investment management, 2nd ed, 3rd ed, Prentice-Hall 67. Address: 1400 E. Hillside Dr, Bloomington, Ind. 47401.

SAVAGE, PROF. CHARLES H, JR, b. Boston, Mass, Sept. 20, 19; m. 51; c. 7. BUSINESS ADMINISTRATION. B.S. Boston Col, 42; M.A. Oregon State, 57; D.B.A. Harvard, 62. Prof. BUS. ADMIN, Boston Col, 61-65; VIS. PROF, Mass. Inst. Tech, 65-67; HARVARD BUS. SCH, 67- Soc. Appl. Anthropol. Social structure in industrial and research organizations in developing countries. Publ: Social reorganization in factory in the Andes, Soc. Appl. Anthropol, 65; auth & co-auth, Work group structure series, IAP Res. Reports, Mass. Inst. Tech, 62-67; auth, Technology's impact on a developing society, Tech. Rev. Mass. Inst. Tech, 2/68. Address: Anderson 22, Harvard Business School, Boston, Mass. 02163.

SAVAGE, PROF. I. RICHARD, b. Detroit, Mich, Oct. 26, 25; m. 50; c. 2. STATISTICS. B.S. Chicago, 44; M.S. Michigan, 45; Ph.D.(statist), Columbia, 54. Statistician, Nat. Bur. Standards, 51-54; acting asst. prof. STATIST, Stanford, 54-57; assoc. prof, Minnesota, 57-60, PROF, 60-63; FLA. STATE, 63- Vis. assoc. prof, sch. bus, Harvard, 60-61; vis. prof, Yale, 67-68. Consult, Center Adv. Study Behav. Sci, 56. Fel. Statist. Asn; Math. Soc; fel. Inst. Math. Statist. Mathematical statistics; non-parametric techniques; control theory. Address: Dept. of Statistics, Florida State University, Tallahassee, Fla. 32306.

SAVAGE, PROF. LEONARD J (IMMIE), Statist, see 11th ed, Phys. & Biol. Vols.

SAVAGE, DR. WILLIAM G, b. Auburn, N.Y., Aug. 19, 21; m. 52; c. 2. BUSINESS ADMINISTRATION, EDUCATION. B.B.A. St. Bonaventure, 47; M.A., Columbia, 49, prof. dipl., 50, Ed.D., 52. Instr. bus. St. Bonaventure, 47-49; asst. prof. bus. ed, Detroit, 51-56; ASSOC. PROF. BUS., Wayne State, 56-67; STATE UNIV. N.Y. ALBANY, 67- Mgt. consult, bus. local & Fed. govt, 52-; ed. consult, local & state govt, 60-67. Admin. Mgt. Soc.; Systems & Procedures Assn. Administration; office management; communications; business systems; business teacher education. Publ: Co-auth, Business review for professional secretaries, Pitman, 59; Administrative office management, Addison-Wesley, 68. Address: School of Business, State University of New York at Albany, Albany, N.Y. 12203.

SAVAGE, ZACH, b. Kennedy, Ala., June 23, 98; m. 23; c. 2. AGRICULTURAL ECONOMICS. B.S., Ala. Polytech, 23; M.S., Florida, 31. Teacher voc. agr. South. Indust. Inst. Ala., 23-29; asst. agr. eng. AGR. EXP. STA., FLORIDA, 29-31, asst. agr. economist, 31-33, assoc. agr. economist, 33-54, AGR. ECONOMIST, 54- County agr. agent, Florida, 33. Agr. Econ. Assn. Production costs; returns from fruit; profitability; yield by kind and age of tree; cost of planting and developing citrus groves in Florida. Address: Agricultural Experiment Station, University of Florida, Gainesville, Fla. 32601.

SAVARD, JAMES D (ONALD), b. Minneapolis, Minn., Mar. 31, 21; m. 44; c. 4. GEOGRAPHY. B.S., Wisconsin, 46, M.S., 48. GEOGR., U.S. GOVT., 48- U.S.A., 43-46. Asn. Am. Geog. Cong. Surv. & Mapping. Arctic geography; human geography of Europe; thematic cartography; automated map compilation. Address: 7231 Marywood St, Hyattsville, Md. 20784.

SAVELAND, DR. ROBERT N, b. East Cleveland, Ohio, Feb. 9, 21; m. 45; c. 3. EDUCATIONAL GEOGRAPHY. A.B., Washington (St. Louis), 43; M.A., Columbia, 46, Ed.D., 52. Teacher, high sch., Mo., 46-48; asst. prof. geog., Harris Teachers Col., 49-54, geog. ed, Ginn & Co., 54-65, head elem. soc. sci. dept., 66-68; PROF. SOC. SCI. ED., GEORGIA, 68- Lectr., Southern California, 60; Wellesley Col., 62. Consult, elem. schs., Mo., 49-54. U.S.N.R., 42-45, Lt. Asn. Am. Geog. Preparation and production of educational materials for the teaching of geography; programmed instruction. Publ: Program in earth sun relations; ed, Lands and peoples of the world; auth, World resources, Ginn, 68. Address: College of Education, University of Georgia, Athens, Ga. 30601.

SAVETH, DR. EDWARD N (ORMAN), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SAVILLE, PROF. LLOYD, b. New York, N.Y., Oct. 13, 13; m. 32; c. 2. ECONOMICS. A.B., Pennsylvania, 35; A.M., Columbia, 36, Ph.D., 50. Price economist, Off. Price Admin., D.C., 42-46; from asst. prof. to PROF. ECON., DUKE, 46- Ford faculty fel., Italy, 54-55, Fulbright lectr., 59-60; Guggenheim fel., 59; Ford faculty fel., 62-63. U.S.N.R., 43-45, Lt. Econ. Hist. Asn.; Statist. Asn.; Economet. Soc.; Am. Econ. Assn.; Royal Econ. Soc. Economic history and development. Publ: Regional economic development in Italy, Duke Univ. Press & Edinburgh Univ. Press, 67. Address: Dept. of Economics, Duke University, Durham, N.C. 27706.

SAVILLE, DR. ROSCOE J (OSEPH), b. Grant City, Mo., May 2, 99. AGRICULTURE ECONOMICS. B.S., Missouri, 22; summers, Minnesota, 25-27; M.S., N.C. State Col., 26; Ph.D., Cornell, 32. Assoc. prof. econ. La. State, 29-38, prof. agr. econ. & head dept., 38-42; agr. economist, U.S. Dept. Agr., 42-47; prof. agr. econ. Miss. State Col., 47-56, head dept., 48-56; PRIN. AGR. ECONOMIST, U.S. DEPT. AGR., 56- Mem. Int. Conf. Agr. Econ. Agr. Econ. Assn. Agricultural policy; production adjustment. Publ: Factors in the organization and successful operation of Louisiana rice farmers; Usual requirements, practices and costs in hay harvesting, Central Basin of Tennessee; Impact of cotton acreage controls on alternative land use in Mississippi. Address: Cooperative State Research Service, U.S. Dept. of Agriculture, Washington, D.C. 20250.

SAVIN, DR. HARRIS B, b. Boston, Mass., Mar. 6, 38. PSYCHOLOGY. A.B., Brown, 59; Ph.D. (psychol.), Harvard, 62. Res. fel. cognitive studies, Harvard, 62-63; asst. prof. PSYCHOL., PENNSYLVANIA, 63-68, ASSOC. PROF., 68- AAAS; Psychol. Asn. Language; memory; perception. Publ: Word frequency effect and errors in the perception of speech, J. Acoustical Soc. Am., 63; co-auth, Grammatical structure and the immediate recall of English sentences, J. Verbal Learning & Verbal Behav., 65; auth, On the successive perception of simultaneous stimuli, Perception & Psychophys., 66. Address: Dept. of Psychology, 106 College Hall, University of Pennsylvania, Philadelphia, Pa. 19104.

SAVING, PROF. THOMAS R (OBERT), b. Chicago, Ill., Dec. 27, 33; m. 59. ECONOMICS. B.A., Mich. State, 57; M.A., Chicago, 58, Ph.D., 60. Asst. prof. ECON., Washington (Seattle), 60-61; MICH. STATE, 61-63, assoc. prof., 63-66, PROF., 66- U.S.A., 54-55. Econ. Asn.; Economet. Soc.; Statist. Asn. Economic theory; industrial organizations and econometrics; monetary theory. Publ: Co-auth, Money, wealth, and economic theory, 67 & The foundations of money and banking, 68, Macmillan; auth, Monetary policy targets and indicators, J. Polit. Econ., 67. Address: Dept. of Economics, Michigan State University, East Lansing, Mich. 48823.

SAVITZ, PROF. LEONARD D, b. Philadelphia, Pa., June 7, 26; m. 61; c. 2. SOCIOLOGY. B.S., Temple, 49, M.S., 50; Ph.D. (sociol.), Pennsylvania, 60. Instr. SOCIOL., Pennsylvania, 55-60; asst. prof., TEMPLE, 60-67, PROF., 67- Consult, President's Cmn. Crime & Admin. Justice, 66. U.S.A., 46. Sociol. Asn.; Ling. Soc.; Pop. Asn.; Int. Soc. Criminol. The Negro and crime; prediction of criminality; capital punishment; automobile theft; identifiability of Jews; sociology of language. Publ: Sociology of crime and delinquency; Sociology of punishment and correction; Dilemmas in criminology, McGraw, 67. Address: Dept. of Sociology, Temple University, Philadelphia, Pa. 19122.

SAWATZKY, DR. LEONARD, b. Altona, Man., Feb. 10, 31. GEOGRAPHY. B.A., Manitoba, 61; Woodrow Wilson fel., California, Berkeley, 61-62, 64-65, M.A.,

63, Can. Coun. fels., 63-65, Ph.D. (Mennonite colonization Mex), 67. ASST. PROF. GEOG., MANITOBA, 66- Off. Naval Res. Caribbean studies grant, 67; Can. Coun. res. grant, E. Germany, 68-69. Consult, Manitoba Govt., 68-69. Can. Asn. Geog. Int. Geog. Union. Agriculture and colonization; Latin America; recreation; land utilization and planning. Address: Dept. of Geography, University of Manitoba, Winnipeg 16, Man., Can.

SAWHILL, DR. JOHN C, b. Cleveland, Ohio, June 12, 36; m. 58; c. 1. MANAGEMENT, FINANCE. A.B., Princeton, 58, Ph.D. (bus. admin.), N.Y. Univ., 63. Securities analyst, Merrill, Lynch, Pierce, Fenner & Smith, 58-60; asst. prof. finance & asst. dean, grad. sch. bus. admin., N.Y. Univ., 60-64; sr. consult, McKinsey & Co., 64-67; V. PRES. MANPOWER PLANNING, COMMERCIAL CREDIT CO., 67- Sr. economist, cmt. banking & currency, U.S. House Rep., 63-64. Econ. Asn.; Statist. Asn.; Mgt. Asn. Quality of credit; long range planning. Publ: Measuring changes in the cost-of-living, Proc. Am. Statist. Asn., 64; Measuring the quality of credit, Credit & Financial Mgt., spring 65; Problems in credit analysis, Bull. Robert Morris Assocs., fall 66. Address: 3714 Corey Place, N.W., Washington, D.C. 20009.

SAWREY, PROF. JAMES MASON, b. Cogswell, N.Dak., Apr. 26, 20; m. 41; c. 2. PSYCHOLOGY. B.S., N.Dak. State Normal & Indust. Sch., 40; Ed.D., North Dakota, 48. Asst. prof. PSYCHOL., Valley City State Col., 48-51; Mont. State Col., 51-52; SAN JOSE STATE COL., 52-55, assoc. prof., 55-58, PROF., 58- U.S.A., 42-45, T/Sgt. Psychol. Asn. Classical conditioning of fear; animal learning. Publ: Co-auth, The psychology of adjustment, Allyn & Bacon, 67, The exceptional individual: psychological and educational aspects, Prentice-Hall, 67 & UCS effects on ulceration following fear conditioning, Psychonomic Sci., 10: 85-86. Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 95114.

SAWREY, PROF. WILLIAM L, b. Cogswell, N.Dak., Feb. 4, 27; m. 48; c. 2. PSYCHOLOGY. Ph.D., Nebraska, 52. Res. psychologist, Civil Serv., 52-53; asst. prof. med. psychol., Colorado, 53-60; PROF. PSYCHOL. & STATIST., CALIF. STATE COL. HAYWARD, 60-, acting chmn. dept. psychol., 60. U.S.N., 43-46. Psychol. Asn. Learning theory; psychosomatics; statistics. Publ: Co-auth, Reanalysis of Beck six schizophrenias, J. Consult Psychol. & Experimental method of ulcer production, J. Comp. Physiol. Psychol. Address: Dept. of Psychology, California State College at Hayward, Hayward, Calif. 94542.

SAWYER, PROF. BROADUS E (UGENE), b. Pinnacle, N.C., May 4, 21. ACCOUNTING. B.S., Agr. & Tech. Col. N.C., 43; M.B.A., Pennsylvania, 48; Ph.D. (bus. admin.), N.Y. Univ., 55. Asst. prof. bus. admin., Agr. & Tech. Col. N.C., 48-50, assoc. prof., 55-56; Prairie View Agr. & Mech. Col., 54-55; acct., MORGAN STATE COL., 56-63, PROF. ECON., 63- Carnegie Corp. fel. col. admin., Michigan, 60-61; summers, Econ-in-Action fel., Case, 56, fel., Remington Rand Corp., 57, Ford Found. faculty fel. econ., Pennsylvania, 60, statist. analyst, NASA, 66. U.S.A., 43-46. Am. Acct. Asn.; Econ. Asn. Relationship between economics and accounting. Address: Dept. of Economics & Business, Morgan State College, Baltimore, Md. 21212.

SAWYER, DR. HELEN McCLANAHAN, b. Centerville, Tenn., May 18, 25; m. 64. POLITICAL SCIENCE. B.B.A., Emory, 57, fel., 57, M.A., 58, fel., Cornell, 58, Ph.D. (pub. admin.), 63. Clerk, Nat. Life & Accidental Ins. Co., 43-44; bookkeeper Meriwether Lewis Elec. Coop., 44-48; clerk-typist & acct. clerk, bur. naval personnel, U.S. Dept. Navy, 48-53; instr. POLIT. SCI., MEMPHIS STATE, 62-63, asst. prof., 63-67, ASSOC. PROF., 67- Polit. Sci. Asn. Governmental impact on the administration of voluntary non-profit hospitals. Publ: Co-auth, Impact of governmental programs on voluntary hospitals, Pub. Health Reports, 60. Address: Memphis State University, P.O. Box 80744, Memphis, Tenn. 38111.

SAWYER, DR. JACK, b. Beatrice, Nebr., June 8, 31. SOCIAL PSYCHOLOGY. B.S., Iowa State, 52; M.A., Ohio State, 53; Ph.D., Purdue, 55. Supvry. res. psychologist, personnel res. br., Adj. Gen. Off., U.S. Dept. Army, 55-58; fel. math. statist., Chicago, 58-60, lectr., 59-60, asst. prof. PSYCHOL. & SOCIOL., 60-67; ASSOC. PROF., NORTHWESTERN, 67- AAAS; Psychol. Asn.; Psychomet. Soc.; Sociol. Asn.; Statist. Asn.; Inst. Math. Statist. Social interaction; bargaining behavior; conflict resolution; multivariate models; cross-societal analysis. Publ: Measurement and prediction, clinical and statistical, Psychol. Bull., 66; Dimensions of nations: size, wealth and politics, Am. J. Sociol., 67; co-auth, Dimensions of ethnic intermarriage in Hawaii, Am. Sociol. Rev., 67. Address: Dept. of Psychology, Northwestern University, Evanston, Ill. 60201.

SAWYER, PROF. JOHN A (RTHUR), b. Toronto, Ont., Aug. 24, 24; m. 52; c. 3. ECONOMICS. B.Com., Toronto, 47, M.A., 48; Ph.D. (econ.), Chicago, 66. Lectr. econ., Alberta, 49-50; asst. prof., Royal Mil. Col. Can., 51-53; economist, Dominion Bur. Statist., 53-60; asst. prof. econ., SCH. BUS., TORONTO, 60-61, assoc. prof., 61-65, PROF. BUS. ECON., 65- Econ. Asn.; Statist. Asn.; Economet. Soc. Analysis of Canadian foreign trade and interindustry relations; econometric model of Canada. Publ: Measurement of interindustry relationships in Canada, Can. J. Econ. & Polit. Sci., 56; co-auth, Alternative treatment of imports in input-output models, J. Royal Statist. Soc., 63; The impact of foreign trade on Canadian industries, Can. J. Econ. & Polit. Sci., 65. Address: 118 Betty Ann Dr, Willowdale, Ont., Can.

SAWYER, PRES. JOHN EDWARD, b. Worcester, Mass., May 5, 17; m. 41; c. 4. ECONOMICS. B.A., Williams Col., 39; M.A., Harvard, 41, fel., 46-49; LL.D., Amherst Col., 61, Clark, 61, Wesleyan, 62; hon. Litt.D., Middlebury Col., 64. Asst. prof. econ. hist., Harvard, 49-53; assoc. prof., Yale, 53-61; PRES., WILLIAMS COL., 61- U.S.N.R., 42-46, Lt. Econ. Asn.; Econ. Hist. Asn.; Hist. Asn.; Coun. For. Rels. American economic history; comparative economic development. Publ: Social basis of the American system of manufacturing, J. Econ. Hist.; Strains in the social structure of modern France, In: Modern France. Address: Williams College, Williamstown, Mass. 01267.

SAWYER, DR. LORETTA M, b. Litchfield, Ill., Jan. 31, 27. SOCIOLOGY. B.A., Alverno Col., 51; M.A., Loyola (Ill.), 56; summer, Puerto Rico, 56; univ. scholar, U.S. Pub. Health Serv. grant & Ph.D., Catholic Univ., 61. Teacher, St. Monica Sch., Wis., 50-51; St. Alphonsus Sch., 51-52; Alverno High Sch., Ill.,

52-58; asst. res. sociol. Catholic Univ, 60-61, coordinator bur. soc. res, 61; instr. sociol. Alverno Col, 61-66, asst. prof, 66-68. Mem. nat. cmt. Nat. Cath. Conf. Interracial Justice, 58-60. Sociol. Asn; Soc. Study Social Probs. Sociological aspects of genetics; influence of institutional care in child welfare. Publ: Some aspects of fertility of a tri-racial isolate; Some aspects of residential segregation in Chicago, Am. Cath. Sociol. Rev; High school interracial club, Community. Address: 2939 E. Norwich, Milwaukee, Wis. 53207.

SAX, PROF. GILBERT, b. New York, N.Y., July 13, 30. EDUCATIONAL PSYCHOLOGY. B.A. California, Los Angeles, 53, M.A., 56; Ph.D., Southern California, 58. Asst. prof. ED. PSYCHOL, Hawaii, 58-62, assoc. prof, 62-66; PROF, WASHINGTON (SEATTLE), 66- Res. consult, John Tracy Clin. Deaf & Hard-of-hearing, 58; Alameda Sch. Dist, Calif, 58; State Dept. Ed, Hawaii, 59-66. Psychol. Asn. Test theory and construction; relationship of testing practices to theory of learning; research design. Publ: Construction and analysis of educational and psychological tests, Col. Printing & Typing Co, 62, revised, 68; Empirical foundations of educational research, Prentice-Hall, 68; Concept acquisition as a function of differing schedules and delays of reinforcement, J. Ed. Psychol. Address: Dept. of Education, Miller Hall, University of Washington, Seattle, Wash. 98105.

SAXBERG, PROF. BORJE O(SVALD), b. Helsingfors, Finland, Jan. 25, 28; m. 55; c. 2. BUSINESS ADMINISTRATION. Dipl. Swedish Univ. Col. Commerce, Finland, 50; univ. scholar, Ore. State Col, 50-52, B.S. 52; univ. fel, Illinois, 52-53, M.S. 53, Ph.D. (bus. admin), 58. Instr. mgt, Illinois, 53-57; asst. prof. BUS. ADMIN, WASHINGTON (SEATTLE), 57-60, assoc. prof, 60-67, PROF. & ASSOC. DEAN GRAD. PROGS, GRAD. SCH. BUS. ADMIN, 67- Ford Found. fel. sociol. & anthrop, Cornell, 60-61; summer vis. assoc. prof, Syracuse, 61. Soc. Appl. Anthropol. Mgt. Asn; Soc. Adv. Mgt. Sociol. Asn; Acad. Mgt. Culture of the firm; conflict of values; organizational structures; leisure and work. Publ: United States governmental investment guaranty program for private foreign investments, development and application, J. Finance; co-auth, Human relations and the nature of man, Harvard Bus. Rev, 3-4/67 & Self-actualization through work or leisure, Bus. Quart, spring 67. Address: 4323 N.E. 44th St, Seattle, Wash. 98105.

SAXON, PROF. O(LIN) GLENN, Econ, see 10th ed, Soc. & Behav. Vols, deceased 62.

SAXON, DR. SUE V(IRGINIA), b. Brooksville, Fla, Feb. 13, 32. PSYCHOLOGY. B.S. Fla. State, 53, M.S. 54, Ph.D. (guid. psychol), 63; Wisconsin, 55-58. Res. psychologist, lab. perinatal physiol, Nat. Insts. Health, 58-60; res. assoc, Yerkes Lab. Primate Biol, 60-61; ASSOC. PROF. BEHAV. SCI, SOUTH FLORIDA, 63- Coordinator, adv. res. proj, State Bd. Regents, Fla, 66-67. Consult, Nat. Defense Ed. Act grant, Hernando County Bd. Pub. Instr, 66-67. Psychol. Asn; Personnel & Guid. Asn; Nat. Voc. Guid. Asn. Developmental-aging; teaching. Publ: Behavioral defects in monkeys asphyxiated during birth, Exp. Neurol, 61; Differences in reactivity between asphyxial and normal rhesus monkeys, J. Genetic Psychol, 61; co-auth, Situation and stimulus effects on stereotyped behaviors of chimpanzees, J. Comp. & Physiol. Psychol, 63. Address: Dept. of Behavioral Science, University of South Florida, Tampa, Fla. 33620.

SAYE, PROF. ALBERT B(ERRY), b. Rutledge, Ga, Nov. 29, 12; m. 39. POLITICAL SCIENCE. A.B. Georgia, 34, A.M., 35, LL.B., 57; Beck scholar, Harvard, 36-39, Ph.D., 41; Paris, 38; Cambridge, 39. Asst. prof. hist. & polit. sci, GEORGIA, 39-43, assoc. prof. POLIT. SCI, 44-47, prof, 48-57, ALUMNI DISTINGUISHED PROF, 57- Consult, Cm. to Revise the Constitution of Ga, 63. Mem. Res. Group Revision of Criminal Law of Ga, 63-64. Michael award, 44. Polit. Sci. Asn. Georgia history and government. Publ: Election laws of Georgia; A constitutional history of Georgia, Univ. Georgia, 48; Principles of American government. Address: Dept. of Political Science, University of Georgia, Athens, Ga. 30601.

SAYEED, PROF. KHALID B, b. Bellary, India, Nov. 20, 26; m. 54; c. 2. POLITICAL SCIENCE. B.A. Madras, 47, M.A., 48; B.Sc. London Sch. Econ, 51; Smith-Mundt & Fulbright grant, 53-54; Ph.D. McGill, 56. Lectr. econ. & polit. sci, Nizam Col, Osmania Univ, India, 47-48; polit. sci, Dacca, 51-53; instr. econ. & polit. sci, McGill, 54-57, res. assoc. polit. of Pakistan, Inst. Islamic Studies, 57-59; asst. prof. POLIT. SCI, New Brunswick, 59-61; QUEEN'S (CAN), 61-64, assoc. prof, 64-66, PROF, 66- Can. Coun. Res. grants, 60, 64 & 66-68; Nuffield Found. summer grant, 61; vis. assoc. prof, Duke, 65; vis. prof, McGill, 67-68; vis. lectr, For. Serv. Inst, Dept. of State, 63- Polit. Sci. Asn; Asn. Asian Studies. Political systems of developing areas with special reference to south Asia and Iran. Publ: Pakistan the formative phase, 60; The political system of Pakistan, 67; Pakistan the formative phase 1857-1948, 68. Address: Dept. of Political Studies, Queen's University, Kingston, Ont, Can.

SAYLES, E(DWIN) B(OOTH), b. Abilene, Tex, May 4, 92; wid. ANTHROPOLOGY. Texas, 13-20; Columbia, 15-20. Archaeologist, Gila Pueblo, Ariz, 31-42; curator, Ariz. State Mus, 43-61, acting dir, 49-50; RES. & WRITING. Asst. dir, archaeol. field sch, Arizona, 46-49. U.S.A., 17-19, Capt. Fel. Anthropol. Asn; Soc. Am. Archaeol. Ancient man archaeology; native American crafts; museology. Publ: Throw Stone: the first American boy; Little Cloud and the Great Plains hunters; Fantasies of gold: legends of treasures and how they grew. Address: 106 W. Washington, Tucson, Ariz. 85701.

SAYLES, PROF. LEONARD R(OBERT), b. Rochester, N.Y., Apr. 30, 26; m. 50; c. 1. ECONOMICS. B.A., Rochester, 46; univ. fel, Buffalo, 46-47; Hicks fel, Mass. Inst. Tech, 48-49, Swope fel, 49-50, Ph.D. (indust. econ), 50. Res. assoc. indust. rel, Cornell, 50-52, asst. prof, 52-53; Michigan, 53-56; assoc. prof. mgt, GRAD. SCH. BUS, COLUMBIA, 56-60, PROF. BUS, 60- Ford Found. fel, 59-60, 62-63, grand int. res, 67-; study dir, Nat. Acad. Sci, 67-68. Consult, Am. Metal Climax, 58-66; New York Chamber of Commerce, 58-66; Int. Bus. Mach. Co, 59-66; Harcourt, Brace & World, 66; NASA, 66- AAAS; Soc. Appl. Anthropol. (Maliowski award, 51); Indust. Rel. Res. Asn. Personnel administration; organization behavior; management development; labor relations; applied anthropology; relationship of complex technology and administrative patterns; systems design; impact of culture

on organizations. Publ: Behavior of industrial work groups, Wiley, 58; co-auth, Measure of management, MacMillan, 61; auth, Managerial behavior, McGraw, 64. Address: Graduate School of Business, Columbia University, New York, N.Y. 10027.

SAYLOR, PROF. JOSEPH R(ICE), b. Miami, Mo, June 14, 11; m. 32; c. 2. GOVERNMENT. B.A. Southwest. Mo. State Col, 33; M.A. Southern Methodist, 35; Ph.D. (govt), Texas, 45. Prof. soc. sci, Weatherford Col, 35-42; instr. GOVT, Texas, 42-44; PROF, EAST TEXAS STATE, 44- Polit. Sci. Asn. Public law; political theory and parties. Publ: Judicial review prior to Marbury vs. Madison, Southwest. Law J; Court over President, Tex. Law Rev; Let's amend the constitution, Rocky Mt. Law Rev. Address: 2619 S. Park St, Commerce, Tex. 75428.

SAYLOR, PROF. ROGER B(EHM), b. Reading, Pa, May 23, 17; m. 44; c. 2. ECONOMIC STATISTICS. B.S., Lebanon Valley Col, 38; A.M., Illinois, 40, Ph.D., 47. Statistician, L. Bamberger & Co, N.J., 38-39; asst. econ, Illinois, 41, 46-47; asst. prof. col. bus. admin, PA. STATE, 47-50, assoc. prof, 50-56, prof. bus. statist, 56-67, PROF. BUS. & HEAD BUS. PROG, CAPITOL CAMPUS, 67- U.S.A.A.F., 41-43; U.S.C.G., 43-45. Statist. Asn. Economic surveys of Northumberland, Venango and Indiana Counties, Pennsylvania. Publ: The railroads of Pennsylvania, Pa. State Univ, 63. Address: Capitol Campus, Pennsylvania State University, Middletown, Pa. 17057.

SAYONS, PROF. KAROL MARIAN, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 65.

SAYRE, DR. CHARLES RICHARD, b. Chrisman, Ill, May 23, 14; m. c. 2. AGRICULTURAL ECONOMICS. B.S., Illinois, 35, M.S., 37; M.A. & Ph.D. (econ), Harvard, 49. Leader farm mgt. res. bur. econ, U.S. Dept. Agr, 39-43, agr. economist, 46; supt, Delta br. exp. sta, Miss, 47-48, head div. cotton & other crops & diseases, bur. plant indust, soils & agr. eng, 48-50; pres, Delta & Pine Land Co, 50-58; PRES. & GEN. MGR, STAPLE COTTON COOP. ASN. & PRES, STAPLE COTTON DISCOUNT CORP, 59- Mem. Int. Conf. Agr. Econ. U.S.N., 43-46. AAAS; Agr. Econ. Asn. (award, 50). Production economics; economics of mechanization in cotton production. Publ: Collab, Farm management. Address: P.O. Box 547, Greenwood, Miss. 38930.

SAYRE, PROF. J(OHN) WOODROW, b. Clarksburg, W.Va, Mar. 18, 13; m. 38; c. 2. ECONOMICS, INDUSTRIAL RELATIONS. A.B. Fairmont State Col, 38; M.A., Pittsburgh, 46. Mgr, West. Union Tel. Co, 38-42; teacher, pub. sch, W.Va, 42-44; teacher & prin, N.Y., 44-55; asst. prof. indust. & labor rels. & ed. specialist, Cornell, 55-60; EXEC. DIR, N.Y. STATE COUN. ECON. ED, 60-; ASSOC. PROF. ECON, STATE UNIV. N.Y. ALBANY, 65- Asst. prof, Syracuse, 60-65. Consult, State Ed. Dept, N.Y., 55- Mem. bd. dir, N.Y. State Coun. Soc. Studies, 55- Econ. Asn; Coun. Consumer Info. Economic education; labor relations; assimilation of minority groups; instructional materials in the introductory economics course; consumer economics. Publ: Co-auth, Youth faces American citizenship, Lippincott, 65; Taxation, Franklin Watts, Inc, 65; auth, Paperback books in economics, State Univ. N.Y. Albany, 68. Address: 20 Schuyler Rd, Loudonville, N.Y. 12211.

SAYRE, DR. ROBERT MARION, b. Hillsboro, Ore, Aug. 18, 24; m. 51; c. 3. INTERNATIONAL RELATIONS. LAW. B.A. Willamette, 49, LL.D., 65; J.D., George Washington, 56; M.A., Stanford, 60. Int. rels. officer, U.S. Dept. State, 49-56, officer-in-charge politico-mil. rels, Bur. Inter-Am. Affairs, 56-57; chief polit. sect, U.S. Embassy, Peru, 57-59, financial officer, Cuba, 60; exec. secy. Task Force Latin Am, U.S. DEPT. STATE, 61, dir. Mexican affairs, 61-64, Latin Am. adv. White House, 64-65, DEPT. ASST. SECY. STATE, 65- Mem. Bar, D.C., 56; Bar, U.S. Supreme Court, 62. Weddell peace prize, George Washington, 56; superior honor award, U.S. Dept. State, 64. U.S.A., 42-46, Res. 66-, Col. Econ. Asn. Economic, political and social developments in Latin America. Address: 3714 Bent Branch Rd, Falls Church, Va. 22041.

SAYRE, PROF. WALLACE S(TANLEY), b. Mason Co, W.Va, June 24, 05. POLITICAL SCIENCE. A.B. Marshall Col, 27; A.M., N.Y. Univ, 28, Ph.D., 30. Instr. govt, N.Y. Univ, 29-35; asst. prof, 35-40, admin. asst, 37-38; cmnr, New York Civil Serv. Cmn, 38-42; asst. dir. fuel rationing div, Off. Price Admin, 42-44, dir. personnel, 44-46; prof. admin, Cornell, 46-49; prof. govt. & dir. grad. prog. pub. admin, City Col. New York, 49-54; prof. PUB. ADMIN, COLUMBIA, 54-59, EATON PROF, 59- Consult, U.S. Dept. State; Brookings Inst; Atomic Energy Cmn; Pub. Admin. Clearing House; U.S. Bur. Budget, 67. Mem. res. adv. bd, Cmt. Econ. Develop, 67- President's cert. merit, 45. Polit. Sci. Asn; Soc. Pub. Admin. (ed. Pub. Admin. Rev, 51-53). Public administration; American government and administration; urban and metropolitan politics. Publ: Co-auth, Governing New York City: politics in the metropolis. Address: 448 Riverside Dr, New York, N.Y. 10027.

SAYRES, DR. WILLIAM C(ORTLANDT), b. Detroit, Mich, Apr. 5, 27; m. 51; c. 1. ANTHROPOLOGY. B.A., Beloit Col, 49; Paine scholar. & M.A., Harvard, 51, Arnold fel. & Ph.D. (soc. anthrop), 53. Nat. Sci. Found. fel, 53-54; instr. anthrop, Yale, 54-57; res. assoc, State Ed. Dept, N.Y., 57-63; ASSOC. PROF. ED, TEACHERS COL, COLUMBIA, 63- U.S.N.R., 45-46. Anthrop. Asn; Ethnol. Soc. South American ethnology; culture and personality; cultural anthropology. Publ: Co-auth, Social aspects of education, Prentice-Hall, 62; auth, Disorientation and status change, Southwest J. Anthropol; Ritual kinship and negative affect, Am. Sociol. Rev. Address: Division of Educational Institutions & Programs, Teachers College, Columbia University, 525 W. 120th St, New York, N.Y. 10027.

SAYWELL, DEAN JOHN (TUPPER), Hist, Polit. Sci, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SCAFF, PROF. ALVIN H(EWITT), b. Dallas, Tex, Dec. 27, 14; m. 38; c. 3. SOCIOLOGY. A.B. Texas, 36, fel. & A.M., 46, Ph.D., 49; B.D., Chicago Theol. Sem, 40. Instr. sociol, Texas, 46-47; from asst. prof. to prof, Pomona Col, 47-66, head dept, 57-66; PROF. SOCIOL. & ANTHROP. & ASSOC. DEAN, GRAD. COL, IOWA, 66- Fulbright res. grant, Philippines, 53-54; head, soc. res. sect, UN Econ. Cmn. for Africa, 60-61; team leader, urban

planning mission to Uganda, UN Tech. Assistance, 63-64. Am. Sociol. Assn; Soc. Study Soc. Probs; fel. African Studies Assn; P.I. Sociol. Soc. Planning problems in American communities; world urbanization; comparative social movement; African social structure and change. Publ: Recommendations for urban development in Kampala and Mengo, 64; Impact of urbanization on the labor force in Africa; co-auth, Urban development in Kampala, UN, 8/64. Address: Graduate College, University of Iowa, Iowa City, Iowa 52240.

SCALAPINO, PROF. ROBERT A(NTHONY), b. Leavenworth, Kans, Oct. 19, 19; m. 41; c. 3. POLITICAL SCIENCE. A.B. Santa Barbara Col, 40; A.M. Harvard, 43, Ph.D. 48. Instr. govt, Harvard, 48-49; asst. prof. POLIT. SCI, CALIFORNIA, BERKELEY, 49-51, assoc. prof, 51-56, PROF, 56-, CHMN. DEPT, 62- Soc. Sci. Res. Coun. fel, 52-53. Consult, Govt. Affairs Inst; res. consult, Am. Assembly, Columbia, 58; consult, Rockefeller Bros. Fund, 56-57; Asia Found, 58-60; Ford Found, 58-61; Rand Corp, 61- Ed, Asian Surv. Mem, For. Policy Assn, World Affairs Center; Inst. Pac. Rels; joint cmt. contemporary China, Soc. Sci. Res. Coun, 62-; adv. panel, E.Asia & Pac, U.S. Dept. State, 66-, China, 66-; chmn, Nat. Cmt. U.S.-China Rels, 66; mem. coun. for. rels, Int. Affairs Fel. Selection Cmt, 67; U.S. Adv. Cmn. Int. Ed. & Cultural Affairs, 67. Mil. Intel, 43-46, Lt.(jg). Polit. Sci. Assn; Asian Studies. Far Eastern government and politics. Publ: Co-auth, The Chinese anarchist movement; Parities and politics in contemporary Japan; auth, The Japanese communist movement, Univ. California Press, 67. Address: Dept. of Political Science, University of California, Berkeley, Calif. 94720.

SCALES, DR. ELDRIDGE E, Ed. Psychol, see 10th ed, Soc. & Behav. Vols.

SCAMMELL, PROF. WILLIAM M(CONNELL), b. Belfast, Northern Ireland, Nov. 20, 20; m. 46. ECONOMICS. B.Com.Sc, Queen's (Belfast), 45; Ph.D. (econ), Wales, 59. Lectr. econ, Univ. Col. N.Wales, 45-59, sr. lectr, 59-65; PROF. INT. ECON, SIMON FRASER UNIV, 65- Econ. adv. U.K. Treas, 56-58. Fel. Royal Econ. Soc; Can. Econ. Assn. International finance; financial and monetary policy; international economics. Publ: International monetary policy, Macmillan, 57, 2nd ed, 61; The London discount market, Elek Books, 68. Address: 7671 Kerrywood Crescent, Burnaby 2, B.C., Can.

SCAMMON, RICHARD M(ONTGOMERY), b. Minneapolis, Minn, July 17, 15; m. 52; c. 1. POLITICAL SCIENCE. B.A. Minnesota, 35; London, 35-36; M.A. Michigan, 38. Res. secy. radio off, Chicago, 39-41; chief polit. activities br, Off. Mil. Govt. for Germany, 46-48; div. res. for West. Europe, U.S. Dept. State, 48-55; DIR. elections res, Govt. Affairs Inst, 55-61; Bur. of Census, 61-65; ELECTIONS RES, GOVT. AFFAIRS INST, 65- Prof. lectr, Howard, 53; George Washington, 58; Hopkins, 68-69. Mem, Orgn. Am. States Electoral Mission to the Dominican Repub, 66. Chmn, President's Cmn. Registration & Voting Participation, 63; Select Cmn. West. Hemisphere Immigration, 66-68. U.S.A., 41-46, Capt. Polit. Sci. Assn; Mil. Govt. Assn; Acad. Polit. & Soc. Sci; Can. Polit. Sci. Assn. Electoral affairs; political behavior; statistics. Publ: Ed, America votes, vols. I-VII; America at the polls; co-auth, This U.S.A. Address: Elections Research Center, Governmental Affairs Institute, 1619 Massachusetts Ave. N.W., Washington, D.C. 20036.

SCANDRETTE, DR. ONAS CUDLEY, b. Wessington Springs, S.Dak, Feb. 6, 14; m. 35; c. 2. PSYCHOLOGY. A.B. Seattle Pac. Col, 39; M.Ed. Washington (Seattle), 53; Ed.D. Colo. State Col, 58. Supvr. soc. res. proj, S.Dak. State Col, 39-42; teacher electronics, U.S. Air Force Sch, 42-44; elec. inspector, Seattle Plant, Boeing Aircraft Co, Wash, 44-45; teacher pub. sch, Wash, 45-53; instr. psychol. & counsr, Wessington Springs Jr. Col, 53-56; asst. prof. psychol, Wheaton Col.(Ill), 57-60, assoc. prof, 60-66, prof, 66-67; PSYCHOLOGIST, NILES TWP. DEPT. SPEC. ED, 67- Psychol. Assn. Factors related to sociometric choice; need structure and vocational choice; need structure and differential value change in liberal arts students. Publ: Classroom choice status related to scores on the California test of personality, Choice status and acquaintance & Differential need patterns of women elementary and secondary level student teachers, J. Ed. Res. Address: 214 N. Williston, Wheaton, Ill. 60187.

SCANLON, DR. JOHN C, b. Auburn, N.Y., Jan. 23, 29; m. 53; c. 4. SOCIAL PSYCHOLOGY, SOCIOLOGY. A.B. Westminster Col.(Pa), 50; M.A. Bowling Green State, 54; D.S.Sc, Syracuse, 58. Sr. res. scientist, State Ment. Health Res. Unit, N.Y., 54-59; asst. prof. sociol, C.W. Post Col, Long Island, 59-61; sr. human factors specialist, Syst. Develop. Corp, 61-62; dir. Nat. Res. & Info. Center Crime & Delinquency, New York, 62-65; dep. dir. off. juvenile delinquency & youth develop, Dept. Health, Ed. & Welfare, D.C. 65-67; presidential fel, Maryland, 67-68; ASST. DIR. PROG. DEVELOP. DIV. SPEC. MENT. HEALTH PROGS, NAT. INST. MENT. HEALTH, 68- Consult, N.Y. State Joint Cmt. Reorgan. Courts, 63; Surgeon Gen, 63-65; New York Civil Serv, 63-65. U.S.M.C, 51-53, Capt. AAAS; fel. Sociol. Assn; Soc. Study Social Probs; Acad. Polit. & Soc. Sci; Nat. Coun. Crime & Delinquency. Crime and delinquency; research administration. Publ: To initiate or react—a factor related to two sets of mental disorder, Psychiat. Quart, 7/62; The role of statistical data in the functioning of the courts, Buffalo Law Rev, 6/63; The social work profession and delinquency prevention programs based on opportunity theory, Estudios de Sociologica, fall 66. Address: 517 Finsbury Rd, Silver Spring, Md. 20904.

SCANLON, PROF. T. JOSEPH, b. Ottawa, Ont, Jan. 2, 33; m. 58; c. 3. JOURNALISM. B.J., Carleton, 55; Atkinson fel, Carleton (Can), 55-56; D.P.A., Queen's (Ont), 56, Can. Coun. fel, 60, M.A., 64. Wash. correspondent, Toronto Daily Star, 60-61, parliamentary correspondent, 62-64; exec. asst, Hon. Judy La Marsh, 64-65; asst. prof, SCH. JOURNALISM, CARLETON, 65-66, ASSOC. PROF. & DIR. SCH. JOURNALISM, 66- Consult, spec. planning secretariat, Privy Coun, 65-66; press & liaison div, Dept. of External Affairs, 67; St. Johns Daily News, 68. Lectr, Nat. Defence Col, 67. Mem. Can. cmt, Int. Press Inst. Government information programs; differences between media. Publ: Color Tv and all that, Explorations, summer 67; Board of control: its merits and defects; Color television: new language?, Journalism Quart, summer 67. Address: School of Journalism, Carleton University, Ottawa 1, Ont, Can.

SCANNELL, DR. DONALD F, b. Iowa City, Iowa, Nov. 11, 23; m. 46; c. 3. JOURNALISM, MASS COMMUNICATION. B.A. Iowa, 48, M.A., 51; Ph.D. (journalism, mass commun), Minnesota, 66. Sports info. dir, Iowa State Teachers Col, 48-50; instr. journalism, S.Dak. State, 51-55, asst. prof, 55-59, assoc. prof, 59-66, dir. news bur, 51-66; DIR. COL. RELS, FERRIS STATE COL, 66- U.S.A., 43-46. Education. Publ: Public relations for the coach, Exten. Div, Iowa State Teachers Col, 49; co-auth, The high school seniors of 1957—where are they in 1958?, S.Dak. Ed. Assn. J, 4/58; Auth, Leaders keep informed, Col. & Univ. J, summer 66. Address: Ferris State College, Big Rapids, Mich. 49307.

SCANZONI, DR. JOHN HENRY, b. Chicago, Ill, Mar. 25, 35; m. 56; c. 2. SOCIOLOGY. B.A. Wheaton Col.(Ill), 58; Ph.D.(sociol), Oregon, 64. ASSOC. PROF. SOCIOL, INDIANA, 64- Res. grants, Nat. Inst. Ment. Health & Nat. Sci. Found, 65- Sociol. Assn; Nat. Coun. Family Rels. Sociology of kinship; sociology of religion. Publ: Readings in social problems, Allyn & Bacon, 67; Achievement society and the family, Macmillan, (in press); Socialization, achievement, and achievement values, Am. Sociol. Rev, 6/67. Address: Dept. of Sociology, Indiana University, Bloomington, Ind. 47401.

SCAPERLANDA, DR. ANTHONY EDWARD, b. Galveston, Tex, Sept. 29, 38; m. 59; c. 5. ECONOMICS. B.S. St. Edward's, 59; M.A. Texas, 63, Ph.D.(econ), 64. Asst. prof. ECON, St. Cloud State Col, 63-64; NORTHERN ILLINOIS, 64-67, ASSOC. PROF, 67- Econ. Assn. International economics; international economy and national economic development. Publ: The role of transportation in the economic integration of underdeveloped areas, Land Econ, 5/66; co-auth, East Germany's Liberman-type reforms in perspective, Quart. Rev. Econ. & Bus, fall 66; auth, The E.E.C. and U.S. foreign investment: some empirical evidence, Econ. J, 3/67. Address: Dept. of Economics, Northern Illinois University, De Kalb, Ill. 60115.

SCARBOROUGH, DR. BARRON B(RYER), b. Comer, Ga, Nov. 7, 17; m. 48; c. 1. PSYCHOLOGY. B.A. Georgia, 40, M.Ed, 47; Ph.D.(psychol), Purdue, 52. Voc. appraiser, Vet. Admin, Georgia, 47-49; instr. psychol, Purdue, 50-52; asst. prof, DePauw, 52-54, assoc. prof, 54-57, dir. bur. testing & res, 52-57; from asst. prof. to PROF. PSYCHOL, FLA. STATE, 57- U.S.A., 41-46. AAAS; Psychol. Assn. Use and construction of tests; experimental learning; attitude measurement. Publ: Lasting effects of alcohol on reduction of anxiety in rats; Expectancy and the extinction of expectancy in rats; Effect of intraperitoneal injection on aversive behavior conditioning with x-irradiation. Address: Dept. of Psychology, Florida State University, Tallahassee, Fla. 32306.

SCARF, PROF. HERBERT E(LY), b. Philadelphia, Pa, July 25, 30; m. 53; c. 3. ECONOMICS, STATISTICS. B.A. Temple, 51; Ph.D.(math), Princeton, 54. Mathematician, Rand Corp, 54-57; asst. prof. statist, Stanford, 57-60, assoc. prof, 60-63; PROF. ECON, YALE, 63-, DIR, COWLES FOUND. RES. ECON, 67- Res. assoc, Cowles Found. Res, Yale, 59-60; vis. prof, Rome, 65. Consult, Rand Corp. Economet. Soc; Math. Soc; Inst. Math. Statist. Mathematical economics. Publ: Co-auth, Studies in the mathematical theory of inventory and production; auth, The optimality of (S,s) policies in the dynamic inventory problem, In: Mathematical methods in the social sciences; The core of a n person game, Econometrica, 1/67. Address: Dept. of Economics, Yale University, Box 2125, Yale Station, New Haven, Conn. 06520.

SCARF, PROF. ROBERT C(OOK), b. Pipestone, Minn, July 16, 89; m. 38; c. 1. EDUCATIONAL PSYCHOLOGY. Fel. & Ph.D. Chicago, 33. From asst. prof. to assoc. prof. ED, BALL STATE, 27-56, EMER. PROF, 56-; TEACHER, EDWARD WATERS COL, 56- U.S.A., 17-19. Psychol. Assn. Address: 1512 Robinson St, Jacksonville, Fla. 32205.

SCARPITTI, DR. FRANK ROLAND, b. Butler, Pa, Nov. 12, 36; m. 59; c. 1. SOCIOLOGY. B.A. Cleveland State, 58; M.A. Ohio State, 59, Ph.D.(sociol), 62. Res. assoc, psychiat. inst. & hosp, Ohio State, 61-63; asst. prof. SOCIOLOG, Rutgers, 63-67; ASSOC. PROF, DELAWARE, 67- Hofheimer Prize for Res, Am. Psychiat. Assn, 67. Sociol. Assn; Soc. Criminol. Deviant behavior; criminology; social psychology. Publ: Co-auth, Schizophrenics in the community, Appleton, 67, Combating social problems: techniques of intervention, Holt, 67 & The good boy in a high delinquency area, four years later, Am. Sociol. Rev, 8/60. Address: 104 Radcliffe Dr, Newark, Del. 19711.

SCARR, DR. HARRY A(LAN), b. Massillon, Ohio, May 4, 34; m. 61; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. A.B. Michigan, 56; Ph.D.(sociol), Harvard, 63. Asst. res. sociologist, Harvard Univ. Health Serv, 61-63; staff fel. SOCIOLOG, lab. socio-environ. studies, Nat. Inst. Ment. Health, 63-66; ASST. PROF, PENNSYLVANIA, 66- Sociol. Assn. Experimental social psychology; scaling methodology; small group behavior. Publ: Co-auth, Japanese value orientations and culture change, Ethnology, 62; auth, Measures of particularism, Sociometry, 64; co-auth, Unintended effects of parental aspirations, Am. J. Sociol, 67. Address: Wharton School of Finance & Commerce, University of Pennsylvania, Philadelphia, Pa. 19104.

SCARR, DR. SANDRA, b. Washington, D.C, Aug. 8, 36; m. 61; c. 2. SOCIAL PSYCHOLOGY, CHILD DEVELOPMENT. A.B. Vassar Col, 58; U.S. Pub. Health Serv. trainee, Harvard, 60-62 & 62-64, A.M. 63, univ. grant, 64-65, Ph.D.(soc. psychol), 65. Instr. child develop, inst. child study, Maryland, 64-65, asst. prof, 65-66; vis. lectr. psychol, PENNSYLVANIA, 66-67, lectr. ED. PSYCHOL, GRAD. SCH. ED, 67-68, ASST. PROF, 68- Res. grants, inst. child study, Maryland, 66 & Creative Playthings, Inc, 67-68. Consult, Univ. Pennsylvania Press, 67-; Creative Playthings, Inc, 68- Acting dir, William T. Carter Found, 67- Psychol. Assn; Eugenics Soc; Soc. Res. Child Develop; Soc. Psychol. Study Social Issues. Behavioral genetic studies of personality; intellectual development of young children. Publ: Genetic factor in activity motivation, Child Develop, 66; Adjective check list as a personality..., J. Consult. Psychol, 66; Environmental bias in twin studies, Eugenics Quart, 68. Address: School of Education, University of Pennsylvania, 3700 Walnut St, Philadelphia, Pa. 19104.

SCARRITT, DR. JAMES R, b. Kansas City, Mo, Aug. 17, 35; m. 59; c. 3. POLITICAL SCIENCE. A.B. Princeton, 57; Ph.D.(polit. sci), Northwestern,

63. Instr. POLIT. SCI, COLORADO, 61-64, ASST. PROF, 64- Univ. Colorado Faculty res. fel, 65-66; Am. Coun. Learned Soc. res. grant, 68. U.S.A, 57-58, 1st Lt. Polit. Sci. Asn; African Studies Asn. African politics and empirical political theory. Publ: Politics in a traditional African clan, Univ. Denver, 65; The adoption of political styles by African politicians in the Rhodesias, Midwest J. Polit. Sci, 2/66; Political values and the political process in Zambia, Univ. Zambia Inst. Soc. Res. Bull, 12/66. Address: Dept. of Political Science, University of Colorado, Boulder, Colo. 80304.
- SCARROW, DR. HOWARD A(LBERT), b. Detroit, Mich, Apr. 13, 28; m. 55; c. 2. POLITICAL SCIENCE. B.A. Duke, 49, Fulbright fel, 52-53, Ph.D. (polit. sci), 54; M.A. Wayne, 50. Instr. polit. sci, Mich. State, 54-55; exec. secy. commonwealth studies center, Duke, 55-57; asst. prof. POLIT. SCI, Mich. State, 57-62; ASSOC. PROF, STATE UNIV. N.Y. STONY BROOK, 62- Soc. Sci. Res. Coun. fel, 62-63. Polit. Sci. Asn. Cross-national and intra-national comparative politics; comparative concepts and methodology; political parties and voting behavior; suburban politics. Publ: Higher public service of the Commonwealth of Australia; Canada votes; The function of political parties, J. Polit, 11/67. Address: Dept. of Political Science, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- SCATES, PROF. DOUGLAS E(DGAR), Ed. Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.
- SCHAAF, PROF. ALBERT H, b. Ft. Wayne, Ind, Feb. 8, 23; m. 54; c. 2. ECONOMICS. Ph.D.(econ), California, 55. Instr. BUS. ADMIN, SCH. BUS. ADMIN, CALIFORNIA, BERKELEY, 54-56, asst. prof, 56-62, ASSOC. PROF, 62- Econ. Asn; Finance Asn. Urban land economics; housing; mortgage credit; managerial economics. Address: School of Business Administration, University of California, Berkeley, Calif. 94720.
- SCHAAR, DR. JOHN H(OMER), b. Lock Haven, Pa, July 7, 28; m. 54. POLITICAL SCIENCE. B.A. California, Los Angeles, 50, M.A. 52, Ph.D. 54. Instr. POLIT. SCI, Mt. Holyoke Col, 54-55; asst. prof, CALIFORNIA, BERKELEY, 57-68, PROF, 68- Guggenheim fel, 64-65. U.S.A. 55-57. Polit. Sci. Asn. Political anomy and alienation; American political theory; equality. Publ: Loyalty in America: Escape from authority. Address: Dept. of Political Science, University of California, Berkeley, Calif. 94720.
- SCHAARS, PROF. MARVIN A(RNOLD), b. Merrill, Wis, Jan. 15, 02; m. 27; c. 2. AGRICULTURAL ECONOMICS. B.S. Wisconsin, 24, M.S. 27; Harvard, 28-29; Ph.D. Wisconsin, 32. From instr. to assoc. prof, WISCONSIN, 24-46, PROF. AGR. ECON, 46-, chmn. dept, 55-60. Summers, teacher, N.C. State, 49; Utah State, 51; Minnesota, 61. Agr. adv. State Dir. Selective Serv, Wis, 42-46; coordinator report agr. trade missions, For. Agr. Serv, 54; dir, univ. book store, Wisconsin, 49-67; Commercial State Bank, Madison, 57-; Starks Farms Inc, 62- Gold Medallion, Fed. Land Bank of St. Paul, 67. Agricultural marketing, especially livestock; agricultural cooperation; foreign trade in agricultural products. Publ: Co-auth, Economics of cooperative marketing. Address: 340 Agricultural Hall, University of Wisconsin, Madison, Wis. 53706.
- SCHACHTEL, DR. ERNEST G(EORGE), b. Berlin, Germany, June 26, 03; nat; m. PSYCHOLOGY. LL.D., Heidelberg, 25. Res. assoc. int. inst. soc. res, Columbia, 35-38; private practice, 37-; lectr. New Sch. Soc. Res, 42-58; fel, Wash. Sch. Psychiat, 45-55; William Alanson White Inst. Psychiat, Psychanal. & Psychol, 46-; adj. prof, N.Y. Univ, 61- Consult, Harvard Law Sch, 39-48. Helen Sargent award outstanding contrib. to clin. psychol, Menninger Found, 67. Fel. AAAS; fel. Psychol. Asn; fel. Soc. Proj. Tech. Developmental psychology; psychology of perception; memory and attention; repression. Publ: Metamorphosis, on the development of affect, perception, attention and memory, 59 & Experimental foundations of Rorschach's test, 66, Basic Books. Address: 299 Riverside Dr, New York, N.Y. 10025.
- SCHACHTER, DR. GUSTAV, b. Botosani, Roumania, May 27, 26; m. 58. ECONOMICS. B.S. City Col. New York, 54; M.B.A., N.Y. Univ, 56, Ph.D. 62; Fulbright travel grant & Italian Govt. award, Rome, Italy, 59-60. Admin. asst. mgt, I.R.O. Italy, 50-51; comptroller mgt. acct. B & G, Inc, N.Y., 51-56, prod. mgr, 56-61; lectr. ECON, City Col. New York, 60-62, instr, 60-64, asst. prof, 64-65; NORTHEASTERN, 65-66, ASSOC. PROF, 66- Am. Econ. Asn; Planning Asn; Econ. Hist. Asn; Soc. Int. Develop; Asn. Comp. Econ; Royal Econ. Soc. Economic growth of underdeveloped areas. Publ: The Italian south, economic development in Mediterranean Europe, Random, 65; Yugoslavia, socialism of the future, Northeastern Univ. Press, 67; Regional development in the Italian dual economy, Econ. Develop. & Cultural Change, 7/67. Address: 337 St. Paul St, Brookline, Mass. 02146.
- SCHACHTER, PROF. STANLEY, b. New York, N.Y., Apr. 15, 22. PSYCHOLOGY. B.S. Yale, 42, M.A. 44; Ph.D.(psychol), Michigan, 50. Asst. prof. PSYCHOL, Minnesota, 49-52, assoc. prof, 54-59, PROF, 59-61; COLUMBIA, 61- Fulbright fel, 52-53; vis. prof, Amsterdam & res. coordinator, Orgn. Comp. Soc. Res, 52-54; Gen. Elec. Found. award, 62-65; Guggenheim fel, 67-68. Consult, behav. res. serv, Gen. Elec. Co, 57- U.S.A.A.F, 44-46. AAAS (prize, 59); Psychol. Asn. Emotion; affiliation; social influence; eating behavior. Publ: Psychology of affiliation; co-auth, Social pressures in informal groups & When prophecy fails. Address: Dept. of Social Psychology, Columbia University, New York, N.Y. 10027.
- SCHACHTER, DR. ZALMAN M, Comp. Relig, Ling, see 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- SCHADEGG, PROF. FRANCIS J(OHN), b. Lacrosse, Wash, Apr. 10, 12; m. 39; c. 3. GEOGRAPHY. B.A., East Wash. Col. Ed, 35; M.A. Clark, 37. Agr. economist & land use planner, northeast region, U.S. Dept. Agr. & State Agr. Exten. Serv, Mass, 39-44; assoc. prof. GEOG, EAST WASH. STATE COL, 47-52, ASSOC. PROF. & CHMN. DEPT, 52- Exchange prof, U.K. 56-57. Planning consult, Adams County, Wash, 65-66; Lincoln County, 66. U.S.A.A.F, 44-46. Fel. AAAS; Asn. Am. Geog; Nat. Coun. Geog. Ed. Land use planning; resource, urban and applied geography. Publ: Physiographic reconnaissance of the Colville Valley, Washington; contrib, War time production capacity of northeast region, United States & World geography. Address: 202 Fifth St, Cheney, Wash. 99004.
- SCHADRACK, DR. F(REDERICK) C(HARLES), JR, b. Rockville Centre, N.Y., Oct. 14, 26; m. 60. ECONOMICS. A.B. Buffalo, 52; M.A. California, 54, Ph.D. 61. Instr. econ, San Francisco State Col, 58-60; economist, FED. RESERVE BANK OF NEW YORK, 60-61, spec. asst, 61-66, MGR. DOMESTIC RES. DEPT, 66- Econ. Asn. International finance; central banking; business fluctuations. Address: 340 E. 64th St, Apt. 17-A, New York, N.Y. 10021.
- SCHAEDEL, PROF. RICHARD P, b. Newark, N.J., Aug. 17, 20; m. 43; c. 3. ANTHROPOLOGY. B.A. Wisconsin, 42; Chicago, 46; fel, Yale, 46-48, 50-51, Ph.D.(anthrop), 52. Dir. inst. anthrop, Univ. Trujillo, Peru, 48-50; lectr. sociol. & classics, N.Y. Univ, 50-51; field instr., Wenner-Gren Found, 51-52; res. asst, Human Rel. Area Files, 55-56; intel. res. specialist, U.S. Dept. State, 56-57; anthropologist, U.S. Agency Int. Develop, Peru, 57-59, Haiti, 59-62, Venezuela, 62-64; lectr. ANTHROP, TEXAS, AUSTIN, 64-67, PROF, 67-, ASSOC. DIR. INST. LATIN AM. STUDIES, 67-, consult, 64-67. U.S. Dept. State lectr. grant, Chile & Argentina, 52-53. Summer UN consult, Venezuela, 66. U.S.A. 42-46. AAAS; fel. Anthropol. Asn; Soc. Am. Archaeol; Archaeol. Inst; fel. Soc. Appl. Anthropol; Acad. Polit. & Soc. Sci; Latin Am. Studies Asn.(ed, Latin Am. Res. Rev, 65-). Andean stone sculpture; prehistoric Peruvian north coast architecture and settlement patterns; prehistoric culture sequences in the southern Andean region; social organization of Latin American countries. Publ: Major ceremonial and population centers in northern Peru; Stone sculpture of the Callejon de Huaylas, Soc. Am. Archaeol. Mem; Essay on the human resources of Haiti, U.S. Agency Int. Develop, Haiti, 62. Address: Dept. of Anthropology, University of Texas, Austin, Tex. 78712.
- SCHAEF, DR. ROBERT A(RTHUR), b. Philadelphia, Pa, Mar. 13, 22; m. 51; c. 3. PSYCHOLOGY. A.B. Stanford, 49, Newhouse scholar, 50, M.A. 51; Ph.D.(clin. psychol), Pittsburgh, 54. Instr. psychol, Pittsburgh, 52-53, lectr, 53-54; staff psychologist, Columbus Psychiat. Clin, 54-55, chief psychologist, 55-57; assoc. prof. & dir, psychol. clin, Southern Illinois, 57-61; chief psychologist, out patient clin, ST. LOUIS STATE HOSP, 61-63, dir, dept. psychol. serv, 63-67, COORDINATOR ADJUNCTIVE THER, 67- Speech Correction Fund award, 53. U.S.A.A.F, 43-46, Lt. Psychol. Asn; Speech & Hearing Asn. Psychotherapy; evaluation of psychotherapeutic procedures; group techniques and laboratory training. Publ: First step in the evaluation of stuttering therapy; Use of questions to elicit stuttering adaptation. Address: 6955 Amherst, St. Louis, Mo. 63130.
- SCHAEFER, DR. EARL S(IMON), b. Adyeville, Ind, May 13, 26; m. 56; c. 4. PSYCHOLOGY. B.S. Purdue, 48; M.A. Catholic Univ, 51, Ph.D.(psychol), 54. Clin. psychol. trainee, Vet. Admin, 48-52; RES. PSYCHOLOGIST, NAT. INST. MENT. HEALTH, 53- Vis. scientist, Univ. Groningen, 62-63. U.S.A. 44-46. AAAS; fel. Psychol. Asn; fel. Soc. Res. Child Develop. Measurement of and development of conceptual models for parent and child behavior; longitudinal studies of social and intellectual development; effects of family variables and stimulation programs upon intellectual development. Publ: Co-auth, Consistency of maternal behavior from infancy to preadolescence, J. Abnorm. & Soc. Psychol, 61: 1-6; auth, Converging conceptual models for maternal behavior and for child behavior, In: Parental attitudes and child behavior, C.C. Thomas, 61; co-auth, Maternal behavior, child behavior and their intercorrelations from infancy through adolescence, Monogr. Soc. Res. Child Develop, Vol. 28, No. 3. Address: Room 2N-246, National Institute of Mental Health, Bethesda, Md. 20014.
- SCHAEFER, DR. GUENTHER F, b. Untergruppenbach, Germany, June 25, 38; m. 62; c. 2. POLITICAL SCIENCE. M.A. Vanderbilt, 62, Ph.D.(polit. sci), 66. Lectr. POLIT. SCI, Carleton (Can), 63-64, ASST. PROF, 64-66; San Francisco State Col, 66-67; STATE UNIV. N.Y. BINGHAMTON, 67- Res. consult, Royal Cmn. Bilingualism & Biculturalism, Can, 65-66. Am. Polit. Sci. Asn; Can. Polit. Sci. Asn; Am. Acad. Soc. & Polit. Sci. Systematic theory and comparative politics; political disobedience and resistance; relationship between political culture, social structure and political institutions. Publ: Co-auth, Political science: a systematic introduction, (in press) & co-ed, Readings in political science, (in press), Wiley. Address: Dept. of Political Science, State University of New York at Binghamton, Binghamton, N.Y. 13901.
- SCHAEFER, DR. HALMUTH H, Exp. & Comp. Psychol, see 11th ed, Phys. & Biol. Vols.
- SCHAEFER, PROF. MORRIS, b. New York, N.Y., Sept. 24, 21; m. 46. PUBLIC ADMINISTRATION, POLITICAL SCIENCE. B.S. Trenton State Col, 43; M.A. New Sch. Soc. Res, 51; D.P.A., Syracuse, 62. Historian, U.S. Bomber Command, U.S. Army Air Force, India & China, 43-45; spec. secy, Carter Coal Co, 45-48; sr. supvr. adult ed, State Ed. Dept. N.Y. 48-51; chief med. defense training, State Health Dept, N.Y. 51-54, asst. dir. med. defense, 54-60, dir. planning & procedures, 60-63; prof. pub. admin, grad. sch. pub. affairs, State Univ. N.Y., 63-67; PROF. PUB. HEALTH ADMIN. & HEAD DEPT, NORTH CAROLINA, CHAPEL HILL, 67- Lectr. & consult, Columbia, 64- Consult, N.Y. State Civil Serv. Cmn, 62-67; consult. & dir. summer insts. regional welfare staffs, N.Y. State Dept. Soc. Welfare, 63-67; consult, Pan Am. Health Orgn, 64-; sys. anal, Bd. Ed. Albany, N.Y., 65-66. Soc. Pub. Admin; Pub. Health Asn; Polit. Sci. Asn. Public health; organization theory; social planning. Publ: Co-auth, The health manpower crisis: cause or symptom?, Am. J. Pub. Health, 1/67; auth, Public administration: plumbing, platonism, and polygamy, Pub. Admin. Rev, 12/67; co-auth, Evaluation in community health: relating results to goals, Bull. N.Y. Acad. Med, 2/68. Address: School of Public Health, University of North Carolina, Chapel Hill, N.C. 27514.
- SCHAEFER, DR. THEODORE, JR, b. Trenton, N.J., May 11, 27; m. 51; c. 2. EXPERIMENTAL PSYCHOLOGY. A.B. Chicago, 50, Ph.D.(psychol), 57. Asst, Chicago, 52-55; res. psychologist, Michael Reese Hosp, 56-57; instr. biol. sci. & psychol, Chicago, 57-60, asst. prof, 60-62; psychol, Columbia, 62-64; STAFF SCIENTIST, SCI. & ENG. INST, INC, UNITED AIRCRAFT

CORP, 66- U.S.A., 44-47, 2nd Lt. AAAS; Psychol. Asn; Animal Behavior Soc. Comparative physiological psychology; animal behavior; effects of early experience on later behavior; biochemical bases of behavior. Address: Science & Engineering Institute, Inc, 140 Fourth Ave, Waltham, Mass. 02154.

SCHAEFER, DR. VERNON G, Indust. Psychol, see 10th ed, Soc. & Behav. Vols, deceased 65.

SCHAEFER, DR. VERNON H, b. Chicago, Ill, Feb. 9, 31; m. 52; c. 1. PSYCHOLOGY. B.A., N.Cent. Col.(Ill), 52; Ph.D., Illinois, 57. With U.S. Army Med. Res. Lab, 56-59; asst. prof. PSYCHOL, Kans. State Col, 59-61; asst. prof. Southern Methodist, 61-64; ASSOC. PROF. & CHMN. DEPT, MacMURRAY COL, 64- Behavior theory; research design; teaching of psychology. Address: Dept. of Psychology, MacMurray College, Jacksonville, Ill. 62650.

SCHAEFER, DR. WILLIS C(ARLTON), b. Chicago, Ill, Nov. 10, 13; m. 41; c. 4. PSYCHOLOGY. B.S. Chicago, 36, Ph.D.(psychol), 40. Personnel technician, adj. gen. off. U.S. War Dept, 40-41; exam. personnel specialist, U.S. Dept. Agr, 41-42, 46; assoc. prof. psychol, Maryland, 46-51; dir. res. Inst. Res. Human Relts, D.C., 51-53; psychologist, syst. training prog, Rand Corp, 53-57; opers. res. scientist, Syst. Develop. Corp, 57-65; MGT. ANALYST, U.S. Dept. State, 65-66; U.S. AGENCY INT. DEVELOP, 66- U.S.N.R., 42-46, Lt. Comdr. Psychol. Asn. Statistics; psychometrics; personnel selection, classification and training; operations research; systems design. Address: 9125 St. Marks Place, Fairfax, Va. 22030.

SCHAEFFER, DR. BENSON, b. New York, N.Y., Aug. 30, 42; m. 63; c. 1. PSYCHOLOGY. B.A. California, Los Angeles, 62, M.A., 64, Ph.D.(psychol), 67. ASST. PROF. PSYCHOL, OREGON, 66- Childhood schizophrenia; behavior disorders in children; concept formation. Publ: Co-auth, Building social behavior in autistic children by use of electric shock, J. Exp. Res. Personality, 65, Acquisition of imitative speech in schizophrenic children, Science, 66 & Selection and additivity of cues in concept identification, Proc. Am. Psychol. Asn, 66. Address: Dept. of Psychology, University of Oregon, Eugene, Ore. 97403.

SCHAEFFER, DR. ROBERT, b. Pittsburgh, Pa, Oct. 13, 31; m. 59. CLINICAL & EXPERIMENTAL PSYCHOLOGY. B.A. Franklin & Marshall Col, 55; M.A., Missouri, Columbia, 58, Ph.D.(psychol), 62. Intern counseling psychol, Vet. Admin. Hosp, Jefferson Barracks, Mo, 56-57; instr. psychol, Missouri, Columbia, 57; Intern. clin. psychol, Fulton State Hosp, Mo, 57-59, staff psychologist, 59-60; U.S. Pub. Health Serv. res. fel. PSYCHOL, Missouri, Columbia, 60-61, res. assoc. 61-62; asst. prof. FLA. STATE, 62-66, ASSOC. PROF, 66- U.S. Pub. Health Serv. res. grants, 64-68; summer vis. behav. scientist, U.S. Navy Radiol. & Defense Lab, Calif, 66. Clin. psychol. consult, Vet. Admin, 65-; Gracewood State Sch. & Hosp. for Mentally Retarded, Ga, 65- AAAS; Psychol. Asn. Comparative examination of normal and abnormal behavior patterns in human and infrahuman organisms, especially modification of these behaviors by reinforcement and motivational techniques and procedures. Publ: Co-auth, Licking rates in infant albino rats, Science, 61; auth, Reinforcement relation as a function of instrumental response base rate, J. Exp. Psychol, 65; A new device for programming contingencies between drinking, running, and lever-pressing, J. Exp. Anal. Behav, 66. Address: Dept. of Psychology, Florida State University, Tallahassee, Fla. 32306.

SCHAEFFER, ROBERT L(EE), b. Philadelphia, Pa, Dec. 13, 15; m. 42; c. 2. CLINICAL PSYCHOLOGY. B.A. Pennsylvania, 37, M.A. 39; Western Reserve, 48-50. Asst. instr. psychol, Pennsylvania, 37-39; psychologist, St. Christopher's Hosp. Children, Phila, Pa, 37-42; asst. prof. psychol. & clin. supervr, Washington (Seattle), 46-47; CHIEF PSYCHOLOGIST & ADMINSTR, AKRON CHILD GUID. CENTER, 47- Counsr, cmt. training psychol, Asn. Psychiat. Clins. for Children, mem. cmt. memberships, 62-65. U.S.A., 42-46, Res, 46-, Col. Psychol. Asn; fel. Orthopsychiat. Asn; Diagnosis and therapeutics of emotionally disturbed adolescents. Publ: Contrib, Encyclopaedia Child Guid; Approach to therapy with the adolescent through selected activities, Am. J. Orthopsychiat. Address: Akron Child Guidance Center, 312 Locust St, Akron, Ohio 44302.

SCHAEFFER, DR. WENDELL G(ORDON), b. Waverly, Ill, Nov. 5, 17; m. 39; c. 2. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.S.F.S. Southern California, 39; M.A. California, 46, Ph.D.(polit. sci), 49. Asst. prof. hist. & polit. sci, Florida, 48-50; mem. staff & consult, Pub. Admin. Serv, Chicago, Ill, 50-52, dir. puba. & supervr. projs, 52-55, resident rep, Burma, 55-59; assoc. prof. pub. & int. affairs, grad. sch. pub. & int. affairs, Pittsburgh, 59-62, prof, 62-66, asst. dean, 60-63, assoc. dean, 63-66, dean, faculties in Ecuador, 63-66; PRES. GOVT. AFFAIRS INST, 66- Hon. prof, Cent. Univ. Ecuador, 66. Consult, Govt. El Salvador, 49-51; Puerto Rico, 51-52; Nicaragua, 53; Fed. Cmn. Inter-govt. Rels, 54; pub. sch. syst. Gary, Ind, 54-55; Metrop. Miami Munic. Bd, Fla, 54; Alaska Statehood Cmn, 55; Govt. Burma, 55-59; Vt. Pub. Serv. Cmn, 60; Orgn. Am. States, 62; Cent. Univ. Ecuador, 63-66. Mem. Cmt. Sys. Develop. Admin, 67- U.S.A.A.F, 43-46, Res, 46-54, 2nd Lt. Polit. Sci. Asn; Soc. Pub. Admin; Inter-Am. Planning Soc. Latin American history and political institutions; comparative administration; administrative theory and processes; metropolitan government and administration; systems of local government; administration as factor in national development in Latin America and Asia. Publ: Modernizing government revenue administration; co-auth, Growth and culture of Latin America & Government of metropolitan Miami. Address: Governmental Affairs Institute, 1819 Massachusetts Ave, N.W., Washington, D.C. 20036.

SCHAEFER, DR. THEODORE F(ROHNER), b. Vijnita, Rumania, Sept. 2, 23; nat. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.S. Columbia, 52; M.A., N.Y. Univ, 54, Ph.D.(polit. sci), 58. Sr. res. analyst, Georgetown, 56-62; intel. res. analyst, defense intel. agency, U.S. Dept. Defense, 62-65; ECONOMIST, off. econ. res. econ. develop. admin, U.S. Dept. Commerce, 66-67; President's Task Force on Tech. Gap between U.S. & West. Europe, 67; OFF. REGIONAL DEVELOP. PLANNING, ECON. DEVELOP. ADMIN, U.S. DEPT. COMMERCE, 67- Polit. Sci. Asn; Econ. Asn. Political economy. Publ: The technological gap: issues, policies, and trade-offs, Orbis, spring 68. Address: 1900 Lyttonville Rd, Silver Spring, Md. 20910.

SCHAFER, DR. MARVIN R(EUEL), Sociol, Psychol, see 10th ed, Soc. & Behav. Vols, deceased.

SCHAFER, PROF. STEPHEN, b. Budapest, Hungary, Feb. 15, 11; U.S. citizen; m. 44; c. 1. SOCIOLOGY, CRIMINOLOGY. Dr. Jur, Budapest, 32. Prof. agrégé, criminol, Budapest, 47-51; reader, London Polytechnic, 58-61; asst. prof, Fla. State, 61-65; assoc. prof. sociol, Ohio, 65-66; PROF. SOCIOL. & CRIMINOL, NORTHEASTERN, 66- Res. awards, Hungary, Eng. & U.S., 47- Consult, President's Nat. Crime Cmn, 65-66. Sociol. Asn; Soc. Criminol. Delinquency; deviancy. Publ: The white collar criminal, Fovaros Nyomda, Budapest, 47; Restitution to victims of crime, Stevens, London, 60; The victim and his criminal, Random, 68. Address: 35 Simpson St, Newton, Mass. 02158.

SCHAFER, DR. WALTER EDWARD, b. Reed City, Mich, May 27, 39; m. 59; c. 2. SOCIOLOGY. B.A. Michigan, 61, M.A., 62, Ph.D.(sociol), 65. Instr. SOCIOL, Michigan, summer 65; ASST. PROF. OREGON, 65- Consult, pub. schs, Mich, 65-68; President's Cmn. Law Enforcement & Admin. Justice, 68; off. juvenile delinquency, Dept. Health, Ed. & Welfare, 67- Sociol. Asn; Acad. Polit. & Soc. Sci. Sociology of youth, education and deviance. Publ: Die Soziale Struktur von Sportgruppen, Kölner Zeitschrift für Soziologie und Sozial-Psychologie, 66; Deviance in the public schools: an interactional view, In: Behavioral science for social workers, Macmillan, 67; co-auth, Delinquency and the schools, In: Task force report: juvenile delinquency and youth crime, President's Cmn. on Law Enforcement & Admin. Justice, 67. Address: Dept. of Sociology, University of Oregon, Eugene, Ore. 97403.

SCHAFF, DR. WALTER R(AY), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 66.

SCHAEFFER, DR. ALBERT, b. New York, N.Y., Oct. 2, 27; m. 55; c. 1. SOCIOLOGY. A.B. Chicago, 50; M.A. Columbia, 53; Ph.D.(sociol), North Carolina, 57. Asst. prof. SOCIOL, Eastern Michigan, 56-59, ASSOC. PROF, 59-63; ALABAMA, 63- Thompson lectr, Univ. Alabama, spring 64. U.S.A., 46-47. Sociol. Asn; Polit. Sci. Asn. Sociological theory; community and social stratification. Publ: A rural community at the urban fringe, 9/58 & The rural church in a metropolitan area, 9/59, Rural Sociol; co-auth, Socialization and the development of attitudes toward Negroes in Alabama, Phylon, fall 66. Address: Dept. of Sociology, University of Alabama, Box 6126, University, Ala. 35486.

SCHAEFFER, DR. ROBERT E(LWOOD), b. Greeley, Colo, Nov. 10, 25; m. 47; c. 3. CLINICAL PSYCHOLOGY. B.A. Denver, 49, M.A., 50, Ph.D.(psychol), 53. Chief clin. psychologist, Yankton State Hosp, 52-54; asst. dir. CLIN. DIV, BYRON HARLESS, SCHAEFFER, REID & ASSOCS, INC, 54-59, DIR. 59-, TREAS, 61- Consult, Tampa Alcoholic Rehab. Center, 56- Dipl. Am. Bd. Exam. Prfnl. Psychol, 67. U.S.N., 42-46. Psychol. Asn; Soc. Proj. Tech. & Personality Assessment. Prediction and measurement of brain damage in children; prediction of potential suicide in neurotics and psychotic patients; the importance of theoretical exponents in individual and group psychotherapy. Publ: Diagnostic screening of brain damage in children, J. Consulting Psychol, 62. Address: 3106 Morrison Ave, Tampa, Fla. 33609.

SCHAEFFER, SHELDON, b. New York, N.Y., Apr. 4, 23; m. 42; c. 5. ECONOMICS, MARKETING. B.A. Iowa, 43; Du Pont-Gen. Motors fel. Yale, 46, M.A., 47. Instr. econ, Yale, 46-48; asst. prof, Clark, 48-55; tech. dir. mkt. res, Nowland & Co, 55-56; sr. analyst, metals div, Olin Mathieson Chem. Corp, New York, 56-59; HEAD INDUST. ECON, SOUTHERN RES. INST, 59- Lectr, Alabama, 61-67, vis. assoc. prof, 67-; vis. assoc. prof, Birmingham-South. Col, 65-66. Res. consult, Graton & Knight Co, Mass, 55. U.S.A., 43-46. Econ. Asn; Mkt. Asn; Nat. Asn. Bus. Econ. Economics of industry; market research and planning; area economics; new business feasibility; long-range forecasting; techno-economics. Address: Southern Research Institute, 2000 Ninth Ave. S, Birmingham, Ala. 35205.

SCHAEFFER, DR. KURT H, b. Vienna, Austria, July 23, 25; U.S. citizen; m. 58; c. 3. MARKETING. B.S. Case Western Reserve, 45; M.S. Columbia, 47, D.Eng.Sc.(mgt), 61. Various eng. & prod. positions, Merck & Co, Inc, 47-55, mgr. opers. res, 55-57; ARTHUR ANDERSEN & CO, 57-62; PRIN. OPERS. RES. & MKT. INFO. SYSTS, 62- U.S.A., 45-46, Sgt. Inst. Mgt. Sci. (v.pres, 66-); Opers. Res. Soc. Am. Marketing and financial information systems; operations research; marketing and economic research. Publ: O.R. in the textile industry, 62 & Economics of variegation, 62, J. Opers. Res. Soc. Am; The case for random sampling, Practical Acc, 68. Address: Arthur Andersen & Co, 1345 Avenue of the Americas, New York, N.Y. 10019.

SCHAEFFER, PROF. THEODORE R, b. Okla, Feb. 4, 02; m. 26; c. 4. SOCIOLOGY. B.A. Oklahoma City Univ, 26; M.S. Oklahoma, 33, Ed.D.(ed. sociol), 42; summers, Cent. State Col.(Colo). Teacher, high sch, Okla, 33-34, head soc. sci, 34-37, prin, 37-42; prof. sociol. & head dept, Phillips, 42-49; PROF. SOCIOL, MANKATO STATE COL, 49- Fulbright lectr, Pakistan, 58-59. Nat. Coun. Family Rels; Sociol. Asn. Evolution of man; democracy as a way of life. Publ: Processes of socialization, J. Ed. Sociol; Integration of the Lebanese in Mankato, Minnesota; A dropout syndrome, Minn. J. Ed, 5/66. Address: Dept. of Sociology, Mankato State College, Mankato, Minn. 56001.

SCHAIK, PROF. K(LAUS) WARNER, b. Stettin, Germany, Feb. 1, 28; nat; m. 53; c. 1. PSYCHOLOGY. B.A. California, 52; M.S. Washington (Seattle), 53, Ph.D.(psychol), 56. Trainee clin. psychol, U.S. Pub. Health Serv, Wash, 53-58; fel. med. psychol, dept. psychiat, Sch. Med, Washington (St. Louis), 56-57; asst. prof. PSYCHOL, Nebraska, 57-61, assoc. prof, 61-64; WEST VIRGINIA, 64-67, PROF, 67-, CHMN. DEPT, 68-, dir. clin. training psychol, 64-68, dir. human resources res. inst, 65-68. Intern. West. Wash. State Col, 55-56. Summers, vis. asst. prof, Missouri, 60, Fulbright vis. lectr, Saarlandes, 61, 62, vis. res. assoc. prof, Washington, 63-64. Res. consult, Malcolm Bliss Psychiat. Clin, St. Louis, Mo, 56-57; Lincoln Vet. Admin. Hosp, 59; Inst. Ability & Personality Testing, Ill, 59-; consult, dept. psychiat, Missouri, 61-65; Vet. Admin, 62- Psychol. Asn; Statist. Asn; Geront. Soc; Psychomet. Soc; Soc. Multivariate & Exp. Psychol; Inter-Am. Soc. Psychol. Age changes in adult behavior; personality test construction; psychiatric patient complaint behavior; color and personality; social change.

Publ: Color and personality, Huber & Grune & Stratton, 64; Rigidity-flexibility and intelligence: a cross-sectional study of the adult life span from 20 to 70, Psychol. Monogr; A general model for the study of developmental problems, Psychol. Bull, 65. Address: Dept. of Psychology, West Virginia University, Morgantown, W.Va. 26506.

SCHALL, DR. HERBERT MORTON, b. New York, N.Y., Sept. 6, 26. PSYCHOLOGY. B.S. Princeton, 50-51, Ph.D. (psychol), 51. Asst. psychol, Princeton, 49-51; resident clin. psychol, St. Elizabeth's Hosp, 51-52; res. dir. psychopharmacol, Health Field Validation Studies Corp, 54-63; sr. clin. psychologist, Reno Ment. Health Center, 63-64; assoc. prof. PSYCHOL, Guilford Col, 64-65; instr, PHOENIX COL, 65-66, PROF, 66- Supv. psychotherapist, Community Guid. Serv, 57- Consult, Square Root Corp, 52-54. Private practice, 52- U.S.A., 44-45. AAAS; Psychol. Asn; Acad. Psychother. Psychopharmacology; community psychology; rehabilitation; psychotherapy; personality theory; human relations. Publ: Sociometric approach to tumor, J. Soc. Psychol; Psychopharmacology in psychotherapeutic perspective, Psychol. Newsletter. Address: Apt. 30, 1702 W. Tuckey Lane, Phoenix, Ariz. 85015.

SCHALLAU, DR. CON H, b. Grinnell, Iowa, Dec. 15, 31; m. 55; FOREST ECONOMICS. B.S. Iowa State, 54; M.S. Mich. State, 58, Ph.D., 61. RES. FORESTER, mgt. res, Lake States Forest Exp. Sta, U.S. FOREST SERV, 54-55, econ. res, 57-65, FORESTRY ECON, PAC. NORTHWEST FOREST & RANGE EXP. STA, 65- U.S.A.F., 55-57, 1st Lt. Soc. Foresters; Econ. Asn. Developing analytical techniques for guiding forest management decision making; assessing impact of public forest management decisions upon local and regional economies. Publ: Fragmentation, absentee ownership, and turnover of forest land in northern lower Michigan, Lake States Forest Exp. Sta, 1/65; An analysis of two logging road standards for BLM's Tillamook Project, 2/67 & Importance of timber-based employment to the economic base of the Douglas-fir region of Oregon, Washington, and northern California, 4/68, Pac. Northwest Forest & Range Exp. Sta. Address: 6831 N.E. Broadway, Portland, Ore. 97213.

SCHALLER, PROF. HOWARD GRAHAM, b. Clark, Pa, Nov. 21, 22; m. 48; c. 1. ECONOMICS. A.B. Duke, 47, Ph.D. (econ), 53; M.A. Northwestern, 48. Instr. econ, Auburn, 48-49; Duke, 49-50, res. assoc, 51-52; asst. prof, Tennessee, 52-53; Tulane, 53-54, assoc. prof, 54-60, chmn. dept, 55-60, prof. econ. & dean sch. bus. admin, 60-64; PROF. BUS. ECON. & PUB. POLICY & FACULTY RES. COORDINATOR, SCH. BUS. INDIANA, 64- Mem. Inter-Univ. Cmt. on Econ. Res. on South, 59- U.S.A., 45. Econ. Asn. Public finance; economic theory. Publ: Veterans transfer payments and state per capita incomes, 1929, 1939 and 1949 & Social security transfer payments and differences in state per capita incomes, 1929, 1939 and 1949, Rev. Econ. & Statist; Federal grants in aid and differences in state per capita incomes, 1929, 1939 and 1949, Nat. Tax J. Address: Dept. of Business Economics, Indiana University School of Business, Bloomington, Ind. 47404.

SCHALOCK, PROF. HENRY D(ELBERT), b. Chewelah, Wash, Feb. 4, 29; m. 52; c. 1. HUMAN DEVELOPMENT, EDUCATION. B.S. Whitworth Col, 51; M.A. Nebraska, 53, Ph.D. (ed. psychol. & measurements), 56; fel, Merrill-Palmer Sch, 53-54. From asst. prof. to assoc. prof. family rel. & child develop, Okla. Agr. & Mech. Col, 55-56; Oregon State, 56-66; RES. PROF. TEACHING-RES. DIV, ORE. STATE SYST. HIGHER ED, 66- Theory of human development; theory of instruction; theory of measurement; direct observation as a research methodology in the behavioral sciences. Publ: Conditional response treatment of enuresis, J. Except. Child; co-auth, Analysis of therapist-child interaction in play therapy: an objective method for the measurement and analysis of adult-child interaction, Child Develop. Address: Teaching-Research Division, Oregon State System of Higher Education, Monmouth, Ore. 97361.

SCHALOCK, DR. ROBERT LOGAN, b. Chewelah, Wash, July 6, 40; m. 66. PSYCHOLOGY. B.A. Whitworth Col. (Wash), 58; M.S. Washington State, 64, Ph.D. (psychol), 66. Physiol. psychol. trainee, Vet. Admin. Hosp, American Lake, Wash, 65-66; res. psychologist IV, Ment. Health Res. Inst, Wash, 66-67; CHMN. DEPT. PSYCHOL, HASTINGS COL, 67- Consult, hosp. improvement prog, Hastings State Hosp, 68. AAAS; Psychonomic Soc; Psychol. Asn. Artificial induction and behavioral evaluation of phenylketonuria to determine a behavioral analog. Publ: Co-auth, Phenylketonuria: enduring behavioral deficits in phenylketonuric rats, Science, 67; co-auth, An attempt to promote behavioral change in paired schizophrenics by reinforcing association behavior, Psychol. Reports, 67 & Induced phenylketonuria in rats: behavioral effects, J. Ment. Deficiency Res, 12/67. Address: Dept. of Psychology, Hastings College, Hastings, Nebr. 68901.

SCHANBERGER, DR. WILLIAM J(OSEPH), b. Baltimore, Md, Dec. 23, 25. CLINICAL PSYCHOLOGY. A.B. Loyola Col. (Md), 48; M.A. Catholic Univ, 51, Ph.D. (psychol), 59. Instr. psychol, Duquesne, 53-56, asst. prof, 56-59, assoc. prof, 59-62, acting chmn. dept, 55-58, chmn, 58-61; staff psychologist, ATASCADERO STATE HOSP, 62-65, CHIEF PSYCHOLOGIST, 65- Lectr, sch. nursing, Montefiore Hosp, 59 & 60; assoc. clin. psychologist, S. Hills Child Guid. Center, 60; clin. psychologist, San Luis Obispo Ment. Health Clin, 66-68. Consult, Woodville State Hosp, 60-61. Dipl. clin. psychol, Am. Bd. Exam. Prfnl. Psychol, 67. U.S.N.R., 44-46. Psychol. Asn; Soc. Proj. Tech. Personality theory; child development; projective techniques. Address: 255 Chaplin Lane, San Luis Obispo, Calif. 93401.

SCHANCK, PROF. RICHARD L, Soc. Psychol, see 10th ed, Soc. & Behav. Vols, deceased 64.

SCHANES, DR. STEVEN E(LI), b. Newark, N.J., Jan. 7, 24; m. 47; c. 5. POLITICAL SCIENCE, ECONOMICS. A.B. N.J. State Teachers Col. (Montclair), 43; White fel, Cornell, 47-48, Ph.D. (polit. sci), 49. Instr. govt, Boston, 48-49; res. analyst, dept. govt. res, State Chamber of Commerce, N.J., 49-52; admin. secy, State Bur. Pensions, N.J., 52-55; dir, State Div. Pensions, N.J., 55-58; V. PRES, MARTIN E. SEGAL & CO, INC, 58-; PROF. POLIT. SCI. & ACAD. DEAN ADMIN, COL. MEN, SAN DIEGO, 66-, assoc. prof, 66; asst. prof, Seton Hall, 64-66. Pension consult. V. pres, Nat. Conf. State Soc. Security Adminstrs, 56-57, pres, 57-58; mem, Am. Pension Conf, 64- U.S.A.A.F., 43-45, Lt. Polit. Sci. Asn; Govt. Res. Asn; Soc. Pub. Admin.

Public and private employee pension and welfare plans; educational statistics; public administration; administration of higher education. Publ: International cooperation in civil aviation, 1945-47; Administrative survey, New Jersey department of law and public safety; co-auth, Benefits of major public employees retirement systems, Martin E. Segal Co, 1/64. Address: University of San Diego, Alcalá Park, San Diego, Calif. 92110.

SCHANZ, PROF. J(OHN) J(ACOB), b. Reading, Pa, July 8, 23; m. 44; c. 2. MINERAL ECONOMICS. B.S. Pa. State, 48, M.S., 50, Ph.D., 54. Instr. mineral econ, Pa. State, 48-54, asst. prof, 54-57, assoc. prof, 57-62, prof, 62-67, asst. dean col. earth & mineral sci, 64-67; PROF. NATURAL RESOURCES, COL. LAW, DENVER, 67-, SR. RES. ECONOMIST, DENVER RES. INST, 67- Consult. off. coal res, U.S. Dept. Interior, 62-63; dir, Future Gas Requirements Agency, 67- Mem. panels & bds, div. eng. & indust. res, Nat. Acad. Sci-Nat. Res. Coun, 54-60; petrol. statist. liaison cmt, Am. Petrol. Inst, 66-; guid. cmt, Engrs. Coun. Prfnl. Develop. U.S.A.A.F., 43-46, Res, 46-, Lt. Col. Inst. Min. Metall. & Petrol. Eng; Soc. Eng. Ed; Econ. Asn. Economics of energy industries; natural resources policy; mineral statistics and forecasting; mineral marketing; industrial economics. Address: 2085 S. Monroe St, Denver, Colo. 80210.

SCHAPER, PROF. FLORENCE W, b. Washington, Mo. SOCIOLOGY. B.S. Missouri, 20, A.M., 21; Chicago, 28, 37; Ph.D. N.Y. Univ, 32; summers, Minnesota, 41-42. Instr. Pa. State Teachers Col, Edinboro, 21-22; from instr. to prof. sociol, Lindenwood Col, 22-48, head dept. sociol. & dir. student guid. & personnel, 39-48; prof. sociol, Ohio, 48-49; Col. Idaho, 49-50; prof. & chmn. dept, W.V.A. WESLEYAN COL, 50-67, admin. chmn. counseling, 50-67, EMER. PROF. SOCIOL, 67- U.S.N.R., 43-, Lt. Comdr. Sociol. Asn; Personnel & Guid. Asn; Acad. Polit. & Soc. Sci. Rise and development of educational sociology; introductory course in sociology in colleges for women. Address: 211 E. Main St, Washington, Mo. 63090.

SCHAPIRO, DR. SHAWN, Physiol, Neuroendocrinol, see 11th ed, Phys. & Biol. Vols.

SCHARF, DR. BERTRAM, b. New York, N.Y., Mar. 3, 31. EXPERIMENTAL PSYCHOLOGY. B.A. City Col. New York, 53; Nat. Sci. Found. fel, Harvard, 56-57, Ph.D. (psychol), 58. Asst. prof. PSYCHOL, NORTHEASTERN, 58-64, ASSOC. PROF, 64- Vis. res. fel. psychoacoustics, lab. sensory commun, Syracuse, 66. Mem. cmt. hearing & bioacoustics, Nat. Acad. Sci-Nat. Res. Coun, 68- Acoustical Soc; Psychonomic Soc; Psychol. Asn. Psychoacoustics; visual perception; psychophysics. Publ: Critical bands, In: Foundations of modern auditory theory; Schubert & Tobias, Academic (in press), A model of loudness summation, Psychol. Rev, 65 & Word recognition with masking, Perception & Psychophys, 66. Address: Dept. of Psychology, Northeastern University, Boston, Mass. 02115.

SCHARF, IRVING, b. New York, N.Y., July 1, 23; m. 52; c. 2. ECONOMICS. A.B. N.Y. Univ, 46. Econ. analyst, Economet. Inst, Inc, 46-50; v. pres. res, Todd & Draper Corp, 50-57; mgr. mkt. res. & anal, House of Seagram, Inc, 58-66, dir. mkt. SEAGRAM DISTILLERS CO, 66-67, EAST. DIV. MGR, 67- Lectr, Rutgers, 47-56. U.S.A.A.F., 43-45. Mkt. Asn; Mgt. Asn. Statistics; marketing. Publ: Profitable inventory levels, Harvard Bus. Rev. Address: Seagrams Distillers Co, 375 Park Ave, New York, N.Y. 10022.

SCHARF, PROF. ROBERT S, b. Vienna, Austria, Sept. 22, 99; nat. Ph.D., Kiel, 22. Cartel exec, Osrarn Gesellschaft, 22-38; asst. prof. SOC. SCI, GA. INST. TECH, 48-52, assoc. prof, 52-61, prof, 61-67, EMER. PROF, 67- Invest. res. Consult. Economists, 67- Econ. Asn; Philos. Soc; Soc. Eng. Ed; Acad. Polit. & Soc. Sci. Consumer economics; philosophy. Publ: Beware of the three legged ostrich; Investment dilemmas? Address: 2197 Willow Ave. N.E., Atlanta, Ga. 30305.

SCHARLOCK, PROF. DONALD P(ETER), b. Buffalo, N.Y., June 28, 26; m. 51; c. 2. PSYCHOLOGY. Ph.D. (psychol), Buffalo, 52. Instr. psychol, Roosevelt, 52-54, from asst. prof. to assoc. prof, 54-65; PROF. PSYCHOL. & ED, NORTHERN MICHIGAN, 65- U.S.A., 43-46. Psychol. Asn. Psychological and experimental psychology; learning theory. Publ: Effects of a preextinction procedure on the extinction of place and response performance in a T maze, Role of extra-maze cues in place and response learning & co-auth, Experimental demonstration of unconscious mediated associated, J. Exp. Psychol. Address: Dept. of Psychology & Education, Northern Michigan University, Marquette, Mich. 49855.

SCHARRER, DR. LAURENE ALICE WALLACE, b. Mansfield, Ohio, Mar. 14, 33; m. 58. SOCIOLOGY, ANTHROPOLOGY. B.S. Fla. State, 52; M.A. Illinois, 53; Ph.D. La. State, 57. Instr. sociol, Ala. Polytech, 55-57; Wayne State, 57-58; soc. economist, Detroit City Plan Cmn, 58-62; adj. asst. prof. sociol, Wayne State, 62-67; ASSOC. PROF. SOCIOL, GA. STATE COL, 68- Fel. Sociol. Asn. Community, attitudinal and demographic studies. Address: 2050 Oak Grove Rd. N.E., Atlanta, Ga. 30329.

SCHATTSCHEIDER, PROF. E(LMER) E(RIC), Polit. Sci, see 10th ed, Soc. & Behav. Vols.

SCHATZ, DR. JOSEPH L(EWIS), b. Philadelphia, Pa, Sept. 3, 18; m. 49; c. 3. PSYCHOLOGY. B.S. Temple, 42; M.A. Pennsylvania, 47, Ph.D. (psychol), 68. Voc. counsr, Jewish Employ. & Voc. Serv, Phila, Pa, 47-55, supvr. voc. counseling serv, 55-57; dir. sheltered workshop, Phila. Asn. Retarded Children, 57-59; res. assoc. ment. health serv, Health & Welfare Coun, Inc, Phila, 59-62; Phila. Child Guid. Clin, 62-65; dept. psychiatrist, health sci. center, Temple Univ, 65-66; ASST. PROF. HUMAN BEHAV, GRAD. SCH. SOC. WORK, RUTGERS, 66- Private practice, 55- Res. consult, Help in Employ. Proj, B'Nai Brith Voc. Serv. & Young Men's Hebrew Assn. of Phila, 64-65; res. dir, Oakbourne Hosp. Follow-Up Study, 66- Mem. Coun. Soc. Work Ed, 67. U.S.A., 42-45, Sgt. Psychol. Asn. Social psychology; epidemiology; psychotherapy; mental health aspects of social welfare planning; community mental health, especially issues relating to under-utilization of services by those needing them. Publ: Mental health problems and needs in Philadelphia, Delaware and Montgomery Counties; Mental retardation; Mental health manpower in Pennsylvania, Health & Welfare Coun. Phila. Address: 19 Hunt Rd, Levittown, Pa. 19056.

SCHATZ, DR. LOUIS, b. New York, N.Y., Sept. 16, 24; m. 49. PSYCHOLOGY, INTERNATIONAL RELATIONS. B.A. George Washington, 50, M.A., 51; Ph.D.(psychol), American Univ, 58. Asst. psychol. warfare, HumRRD, 51-55; res. assoc. weapons sys., Inst. Defense Anal, 56-57; sr. analyst adv. Benton & Bowles, Inc, 59-60; sr. proj. dir. adv. Lennen & Newell, Inc, 61-63; PRES, SCHATZ RES. ASSOC., INC, 64. U.S.A., 43-45. Psychol. Asn; Asn. Pub. Opinion Res. Relation of political and international affairs to social sciences and social science research; application of psychological and sociological research techniques to problems of governmental affairs and mass communications. Address: 301 E. 62nd St, New York, N.Y. 10021.

SCHATZ, PROF. PAUL J(ACOB) L(EONARD), b. Valparaiso, Ind, Oct. 14, 08; m. 39; c. 3. FINANCE, ECONOMICS. B.Sc. Alabama, 34, M.Sc. 35; Ph.D. (finance), 67; LL.B. Jones Univ, 41. Asst. statist & econ, Alabama, 34-36; field rep, Gen. Motors Acceptance Corp, Ala, 36-37; chief res. & statist, Ala. Dept. Indust. Rels, 37-44; bus. mgr. med. & dent. schs, Univ. Ala, 44-52; secy, Guaranty Savings Life Ins. Co, 52-53; pres, Mercantile Life Ins. Co, 53-54; Security Mutual Fire Ins. Co, 54-57; assoc. prof. bus. admin, SAMFORD, 53-66, PROF, INS, 66- Chief reports & anal, War Manpower Cmn, Ala, 41-44; Found. Econ. Ed. Bus. fel, 67. Risk & Ins. Asn. Credit union operations; insurance education; marketing problems in insurance. Address: 817 Columbiana Rd, Birmingham, Ala. 35209.

SCHATZ, DR. SAYRE P(ERRY), b. Philadelphia, Pa, June 9, 22; m. 48; c. 2. ECONOMICS. B.S. Pennsylvania, 46; M.A. New Sch. Soc. Res, 49, Ph.D. (econ), 55. Res. assoc, Inst. World Affairs, N.Y., 47-48; instr. ECON. Wayne, 49-50; asst. prof, Lincoln (Pa), 50-56; assoc. prof, Hofstra Col, 56-65; PROF, BROOKLYN COL, 65-67; SCH. BUS. ADMIN, TEMPLE, 67-Ford fel, Boston, 58-59; Ford. Found. res. grant, Nigeria, 61-62; sr. res. fel, Nigerian Inst. Soc. & Econ. Res, 62-65; vis. prof, Columbia, 65-67; Soc. Sci. Res. Coun. res. grant, 66-68. U.S.A., 43-45. Econ. Asn; African Studies Asn; Nigerian Econ. Soc.(treas, 62-65). Economically underdeveloped areas; employment, monetary and fiscal theories; African economic development. Publ: Development bank lending in Nigeria, Oxford Univ, 64; Inflation in underdeveloped economies: a theoretical analysis, Am. Econ. Rev, Underutilized resources, directed demand and deficit financing, Quart. J. Econ, 11/59. Address: Dept. of Economics, Temple University, Philadelphia, Pa. 19122.

SCHAUB, DR. RONALD E, b. Kitchener, Ont, Jan. 10, 36; m. 59; c. 3. PSYCHOLOGY. B.A. McMaster, 62, M.A., 63; Ph.D.(psychol), Dalhousie, 67. ASST. PROF. PSYCHOL, State Univ. N.Y. Buffalo, 66-68; CALGARY, 68-Am. Psychol. Asn; Can. Psychol. Asn. Animal learning; classical and operant conditioning; discrimination learning; physiological correlates of learning and behavior; human physiological change and conditioning. Publ: Effects of interstimulus interval on GSR adaptation, 65 & co-auth, Reinforcement of behavior with cues associated with extinction, 67, Psychonomic Sci; auth, Analysis of interresponse time with small class intervals, Psychol. Record, 67. Address: Dept. of Psychology, University of Calgary, Calgary, Alta, Can.

SCHAUGHENCY, PROF. HAROLD W(AYNE), b. Canonsburg, Pa, June 8, 01; m. 28; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. A.B. Carnegie Inst. Tech, 25; A.M. Columbia, 29. Eng. master, Irving Sch, 25-26; instr. speech, Washington Sq. Col, N.Y. Univ, 26-29, speech admissions, 32-42; assoc. personnel & training, J. David Houser & Assocs, Inc, 29-32; corp. supvr. empl. & training, Gen. Cable Corp, N.Y., 42-45; chmn. dept. mgt, New Haven YMCA Jr. Col, 45-50; dir. Greater Providence YMCA Inst, R.I., 50-56; pres, Roger Williams Jr. Col, 56-63; ASSOC. PROF. SOCIOL, NEW HAVEN COL, 65- Personnel & Guid. Asn; Nat. Voc. Guid. Asn; Sociol. Asn. Personality; interaction in primary groups. Publ: Public speaking and homiletics, Salvation Army, 40. Address: Dept. of Sociology, New Haven College, 300 Orange Ave, West Haven, Conn. 06516.

SCHECHTER, DR. ALAN H(ENRY), b. Brooklyn, N.Y., Mar. 2, 36; m. 58; c. 2. POLITICAL SCIENCE. A.B. Amherst Col, 57; Yale, 57-58; univ. scholar, Columbia, 58-59. U.S. Steel Found. fel, 59-60, Ford Found. fel, 61-62, Ph.D. (polit. sci), 65; Fulbright fel, Leiden, 60-61. Instr. POLIT. SCI, WELLESLEY COL, 62-64, ASST. PROF, 64- Huber Found. fel, 64-65; Nat. Endowment for Humanities fel, 67. Polit. Sci. Asn; Acad. Polit. Sci; Soc. Int. Law. Interrelationship of United States politics and constitutional law; pressure groups and public policy-making; political behavior; international law. Publ: Interpretation of ambiguous documents by international administrative tribunals, Stevens, Eng, 64; Contemporary constitutional issues, McGraw, (in press); The influence of public service on businessmen's attitudes toward the federal government, Pub. Admin. Rev, 67. Address: Dept. of Political Science, Wellesley College, Wellesley, Mass. 02181.

SCHECHTER, ARTHUR, b. New York, N.Y., Apr. 11, 18; m. 38; c. 2. ECONOMICS. B.A. Brooklyn Col, 38; M.A. New Sch. Soc. Res, 47; LL.B. New York Law Sch, 53. Qual. control analyst, Remington Arms Co, 41-44; sr. economist, State Div. Housing, N.Y., 46-52; regional analyst, bur. employ. security, U.S. Dept. Labor, 52-63; ASST. REGIONAL ADMINSTR. DEPT. HOUSING & URBAN DEVELOP, 63- U.S.A.A.F, 44-46. Econ. Asn; Statist. Asn; Indust. Rels. Res. Asn. Social economics; labor relations. Address: 996 Bell Court, Valley Stream, N.Y. 11580.

SCHECHTER, DR. HENRY B, b. New York, N.Y., Mar. 9, 18; m. 45; c. 3. ECONOMICS. B.S.S. City Col. New York, 38; M.A. American Univ, 41, Ph.D.(econ), 51. Jr. bus. analyst, War Prod. Bd, 41-42; economist, construct. div, U.S. Dept. Commerce, 46-49; head bus. anal. unit, loan guaranty serv, Vet. Admin, 49-50; financial economist, res. div. & plans & progs. div, Housing & Home Finance Agency, 51-61, dir. div. housing anal. off. prog. policy, 61-67; DIR. OFF. ECON. & MKT. ANAL, U.S. DEPT. HOUSING & URBAN DEVELOP, 67- U.S.N.R, 42-45, Lt. Econ. Asn. Business cycles; consumer expenditures and savings; capital fund demands; flow of funds, especially mortgage investment; mortgage markets; housing needs and demands; efficiencies in local urban economies related to residential and other functional locations. Publ: Analysis of commercial construction & Cost-push of urban growth, Land Econ; National and local mortgage market structures, Housing Res. Address: 1015 Robroy Dr, Silver Spring, Md. 20903.

SCHECHTER, PROF. MARSHALL DAVID, b. Chicago, Ill, Sept. 4, 21; m. 42; c. 4. PSYCHIATRY, PSYCHOANALYSIS. B.S. Wisconsin, 42; M.D. Cincinnati, 44. Clin. instr. psychiat, sch. med, California, Los Angeles, 53-57, asst. clin. prof, 57-63, assoc. clin. prof, 63-64; PROF. CHILD PSYCHIAT. & CONSULT. PEDIAT, MED. CENTER, OKLAHOMA, 64- Consult, Vista Del Mar Child Care Serv, 49-57; Reiss Davis Clin. Child Guid, 53-64; Shriners Hosp. Crippled Children, 55-64; Welfare Planning Coun. Los Angeles, 58; Sophia Montessori Sch, 63-64; Okla. State Dept. Pub. Health & Dept. Ment. Health, 64-; Vet. Admin. Hosp, 64-; Children's Med. Center, Tulsa, 64- U.S.A., 45-57, Capt. Am. Med. Asn; Asn. Child Psychoanal; Psychiat. Asn; Orthopsychiat. Asn; Psychoanal. Asn; Soc. Res. Child Develop. Adult and child psychoanalysis; sensory deprivation in the autistic child; effects of prenatal anxiety; adoption. Publ: Understanding learning difficulties in handicapped children, J. Lancet, 65; Treatment of emotional problems in childhood, Part I & Part II, J. Okla. State Med. Asn, 4 & 5/67; Psychoanalytic theory as it relates to adoption, J. Am. Psychoanal. Asn, 7/67. Address: Dept. of Psychiatry, University of Oklahoma Medical Center, 800 N.E. 13th St, Oklahoma City, Okla. 73104.

SCHECKE, PROF. M. GEORGE, b. Rochester, N.Y., Apr. 23, 95. PSYCHOLOGY. B.A. Rochester, 20; M.A. Princeton, 22; Ph.D.(psychol), Cornell, 24. Prof. PSYCHOL, Drake, 24-26; Bowling Green State Col, 26-27; prof. & head dept, ELMIRA COL, 27-60, EMER. PROF, 60- AAAS; Psychol. Asn. Visual contrast and contour; degrees of objectivity and meaning. Address: 276 Lower Middle Rd, Millport, N.Y. 14864.

SCHECKEL, DR. CARL L, b. Chicago, Ill, Aug. 24, 34; m. 58; c. 4. PSYCHOLOGY, PSYCHOPHARMACOLOGY. B.S. Loyola (Calif), 56; M.A. Fordham, 58, Ph.D.(psychol), 63. SR. SCIENTIST, HOFFMAN-LA ROCHE INC, 58- Psychol. Asn; Psychonomic Soc; Behav. Pharmacol. Soc. Physiological psychology, pharmacology and experimental psychology. Publ: Co-auth, Behavioral stimulation in rats associated with a selective release of norepinephrine, Arch. Int. Pharmacodynamics, 152: 479-490; auth, Self-adjustment of the interval in delayed matching, J. Comp. & Physiol. Psychol, 59: 415-418; co-auth, Pharmacological control of behavior, Proc. Int. Cong. Psychol, Moscow, 66. Address: Dept. of Psychopharmacology, Hoffman-La Roche Inc, Nutley, N.J. 07110.

SCHEELE, PROF. KARL ALBRECHT, b. Kassel, Germany, Jan. 3, 11; m. 46; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. Dipl. Hamburg, 33; Ph.D. Berlin, 36; M.A. Northwestern, 40. Head statist. & election off, City of Kassel, Germany, 47-56; assoc. prof. econ, Presbyterian Col, 56-62; Norwich, 62-64; Berry Col, 64-65; PROF. BUS. ADMIN. & ECON. & HEAD DEPT, PEMBROKE STATE COL, 65- Am. Statist. Asn; German Statist. Soc. Publ: Comparison of municipal budgets for different periods of time; Changes in American corporate depreciation, 65; co-auth, A forecast of the population of Vermont up to 1990, 65. Address: Dept. of Business Administration & Economics, Pembroke State College, Pembroke, N.C. 28372.

SCHREIBER, DR. RICHARD C, b. Milwaukee, Wis, Feb. 17, 30; m. 54; c. 2. EDUCATION OF MENTALLY RETARDED. B.S. Wisconsin, Milwaukee, 52, M.Ed. Marquette, 54; Ph.D.(ed. psychol), Wisconsin, Madison, 63. Teacher ment. retarded, South. Wis. Colony, 51-54; supvr. pub. schs, N.Dak, 54-57; prin. ment. retarded, North. Wis. Colony, 57-61; dir. document. serv, Am. Asn. Ment. Deficiency, 63-65; ASST. DIR. DIV. MENT. RETARDATION, ILL. DEPT. HEALTH, 65- LENTR, Wisconsin, 67; assoc. prof, Western Illinois, 67- Consult. programming & prog. evaluation, div. ment. retardation, U.S. Pub. Health Serv, 66-67; Univ. Alabama, 67. Mem. adv. bd, Nat. Collaborative Study PKU, 63- Asn. Ment. Deficiency; Psychol. Asn; Coun. Except. Children. Education of exceptional children; comprehensive mental health programming; program analysis and evaluation; verbal learning among mentally retardates; administration. Publ: Proactive and retroactive inhibition among the mentally retarded, Coun. Except. Children, 64; Mental retardation, 65 & Genetic aspects of mental retardation, 66, U.S. Dept. Health, Ed. & Welfare. Address: 1319 W. Washington, Springfield, Ill. 62702.

SCHEFF, BENSON H(OFFMAN), Math. Statist, see Suppl. V to 11th ed, Phys. & Biol. Vols.

SCHEFF, PROF. THOMAS J(OEL), b. Wewoka, Okla, Aug. 1, 29; m. 53; c. 3. SOCIOLOGY. B.S. Arizona, 50; M.A. California, 57, Ph.D.(sociol), 60. Instr. SOCIOL, Wisconsin, 59-61, asst. prof, 61-63; assoc. prof, CALIFORNIA, SANTA BARBARA, 63-67, PROF, 67- Soc. Sci. Res. Coun. faculty fel, 64-65; vis. fel, Soc. Sci. Res. Inst, Univ. Hawaii, 67-68; Nat. Sci. Found. grant, 67-69. U.S.A., 53-55. Sociol. Asn; Soc. Study Social Probs. Sociol psychology; social role components in deviant behavior; social psychology of shared awareness. Publ: Being mentally ill, Aldine, 66; Mental illness and social processes, Harper, 67; A theory of social coordination applicable to mixed motive games, Sociometry, 9/67. Address: Dept. of Sociology, University of California, Santa Barbara, Calif. 93106.

SCHEFFÉ, PROF. HENRY, Math. Statist, see 11th ed, Phys. & Biol. Vols.

SCHOFFER, PROF. WALTER FRANCIS, b. Humbird, Wis, Mar. 16, 21; m. 45; c. 4. POLITICAL SCIENCE. B.S. Wis. State, Eau Claire, 43; M.S. Wisconsin, 47, Ph.D.(polit. sci), 56. Instr. POLIT. SCI, Wisconsin, 47-49; OKLAHOMA, 51-55, asst. prof, 55-59, assoc. prof, 59-65, PROF, 65- DIR. GRAD. PROG. PUB. ADMIN, 66-, chmn. dept. polit. sci, 62-67. Consult, bur. pub. rd, U.S. Dept. Commerce, 57. U.S.A.A.F, 43-45, 2nd Lt. Polit. Sci. Asn; Soc. Pub. Admin. Intergovernmental relations; urban problems; government personnel education and training. Publ: Reciprocity in the taxation of interstate trucks, Nat. Tax J, 3/56; State and federal power over vehicles in interstate commerce, Okla. Law Rev, 8/59; Problems in municipal finance, West. Polit. Quart, 9/62. Address: Dept. of Political Science, University of Oklahoma, Norman, Okla. 73069.

SCHOFFER, DR. HAROLD WALTER, b. St. Louis, Mo, Oct. 24, 32; m. 56. ANTHROPOLOGY. B.A. Missouri, 56; M.A. Chicago, 57, Ph.D.(anthrop), 63; Fulbright fel, Australian Nat. Univ, 60-61. Lectr. ANTHROP, Connecticut, 61-62; Bryn Mawr Col, 62-63; asst. prof, YALE, 63-67, ASSOC. PROF, 67- Nat. Sci. Found. res. grant, 66-69. Med.C, U.S.A., 54-55. Anthropol.

- Asn. Social anthropology; kinship systems; social structure; religion. Publ: Choiseul Island social structure, Univ. Calif, 65. Address: Dept. of Anthropology, Yale University, New Haven, Conn. 06520.
- SCHEFLEN, DR. NORMA A(DNEE), b. Hartford, Conn, Feb. 23, 24; m. 55; c. 2. PSYCHOLOGY. A.B. Temple, 45; M.A. Bryn Mawr Col, 52, U.S. Pub. Health Serv. fel, 55-56; Ph.D.(psychol), 56. Res. assoc. PSYCHOL. med. center, Temple, 57-64; ASST. PROF. DREXEL INST, 64- AAAS; Psychol. Asn. Personality and learning theory as applied to social problems. Address: Dept. of Psychology & Education, Drexel Institute of Technology, Philadelphia, Pa. 19104.
- SCHEIBEL, DR. ARNOLD B(ERNARD), Neurophysiol, Psychophysiol, see 11th ed, Phys. & Biol. Vols.
- SCHEIBER, DR. HARRY N, U.S. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SCHEID, KENNETH G(EOERGE), b. New York, N.Y., Nov. 30, 23; m. 51; c. 2. ECONOMICS, MANAGEMENT. S.B. Mass. Inst. Tech, 44, Westinghouse fel, 49-50; M.B.A. Chicago, 47. Prin. wage analyst, Gen. Mills, Inc, 47-49; economist, Wage Stabilization Bd, 51-52; mgr. indust. rels, Forbes Lithograph Mfg. Co, 53-59; lectr. indust. & secy. labor rels. coun, Wharton Sch, Pennsylvania, 59-60; assoc. prof. econ. & head dept. graphic arts, Carnegie Inst. Tech, 60-65; PRES, KENNETH G. SCHEID & ASSOCS, 65-U.S.N., 43-46, Lt.(jg). Econ. Asn; Indust. Rels. Res. Asn; Tech. Asn. Graphic Arts. Industrial and managerial economics; urban and regional economics; economics of education and communication; labor economics; personnel and labor relations; environmental economics; economics of aesthetics. Publ: Design and technological foundations of visual communication, West. Wash. State Col, 67; Impact of economic and organizational environment on design, In: Design and planning, Univ. Waterloo, 65; Economics of design aesthetics, In: Design and planning 3, Hastings House, 68. Address: Kenneth G. Scheid & Associates, 5634 Northumberland St, Pittsburgh, Pa. 15217.
- SCHEIDEL, DR. THOMAS MAYNARD, Speech, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- SCHEIDELL, PROF. JOHN M, b. Philadelphia, Pa, Dec. 13, 26; m. 53; c. 7. ECONOMICS. B.S.F.S. Georgetown, 53; M.S. Fla. State, 57; Ph.D.(econ), Notre Dame, 60. From instr. to asst. prof. econ, Kalamazoo Col, 57-62; assoc. prof, Georgia, 62-66; res. dir. comput. based investment res. dept, Goodbody & Co, 66-67; PROF. ECON. & CHMN. DEPT, FLORIDA ATLANTIC, 67- Ford Found. fel, Michigan, 60-61; pres, Center Econ. Anal, 68-Mem. res. coun, financial res. center, Princeton, 66-67. U.S.N.R. 44-46 & 50-52. Economet. Soc; Econ. Asn. Micro dynamic theory; quantitative analysis of the relationship between finance and economics. Publ: Towards an operational growth model, In: Metropolitan economic republics, Univ. Georgia, 65. Address: Dept. of Economics, Florida Atlantic University, Boca Raton, Fla. 33432.
- SCHEIDEMANN, DR. NORMA VALENTINE, b. Newton, Iowa. PSYCHOLOGY. B.A. Iowa, 20, M.A., 23, fel, 24-26, Ph.D.(psychol), 26. Teacher & prin, pub. schs, Iowa, 12-15, 20-22; instr. & demonstr, Kans. State Teachers Col, 23-24; prof. psychol. & chmn. dept, Des Moines, 26-27; lectr, Southern California, 27-28, 29-32, 34-35; asst. psychologist, ment. clin, Michael Reese Hosp. & acting psychologist, Cook County Psychopath. Hosp, Chicago, Ill, 28-29; spec. consult, Lebanon County Ment. Health Clin, Pa, 36-43, 48-51; lectr. psychol, exten. div, California, Los Angeles, 53-65; VIS. LECTR, PEPPERDINE COL, 61- Res. & vis. lectr, Temple, Drake & Washington (St. Louis), 41-44; instr, Palm Beach County Workshop Except. Children, Fla, 51. Summers, teacher, S.Dak. State Col, 23; East. Ill. Teachers Col, 29; Nebraska, 34; Michigan, 39-41, dir. grad. spec. ed, 43; Florida, 51. Psychol. Asn; Int. Coun. Psychol. Design of mirrorscope and various devices for precision testing in mirror space. Publ: Psychology of exceptional children, Houghton, Vol. I, 31, Vol. II, 37; Experiments in general psychology 1929 & Lecture demonstrations in general psychology, Univ. Chicago, 39. Address: 8825 Kittyhawk Ave, Los Angeles, Calif. 90045.
- SCHEIDLER, PROF. CHARLES H(ENRY), b. Sulphur Springs, Mo, Aug. 27, 21; m. 50; c. 3. PSYCHOLOGY. B.A., Washington (St. Louis), 49, Ph.D.(psychol), 53. Instr. psychol, Washington (St. Louis), 49-52, adminstr. remedial prog. & test adminstr, 51-52; res. psychologist, Am. Inst. Res, 52-53; asst. prof. psychol. & vet. admin. counsr, DAYTON, 53-60, assoc. prof. PSYCHOL, 60-63, PROF, 63-, dir. psychol. serv, 60-66, chief psychologist, 66. Mem. bd. dirs, Ment. Health Asn. Dayton, 66-; Dayton Adult Psychiat. Clin, 66-; ment. retardation cmt, Dayton Hosp. Planning Coun, 67. U.S.A.A.F, 42-45. AAAS; Psychol. Asn. Interviewing and counseling; industrial psychology; teaching; management development training programs. Address: 2038 La Grange Rd, Dayton, Ohio 45431.
- SCHEIDLINGER, DR. SAUL, b. Bielitz, Austria, July 25, 18; nat; m. 46; c. 1. PSYCHOLOGY. B.S.S. City Col. New York, 42; M.S. Columbia, 49; Ph.D. (psychol), N.Y. Univ, 51. GROUP THER. CONSULT, COMMUNITY SERV. SOC, NEW YORK, 51-; ASSOC. CLIN. PROF. PSYCHIAT, ALBERT EINSTEIN COL. MED, 63- Lectr. grad. sch. ed, City Col. New York, 48-60; N.Y. Sch. Soc. Work, Columbia, 52- Fel. Psychol. Asn; fel. Orthopsychiat. Asn; fel. Group Psychother. Asn.(treas, 66-68). Group psychotherapy; child psychotherapy; group dynamics; group treatment approaches for the socially disadvantaged; community mental health programs. Publ: Psychoanalysis and group behavior; Group psychotherapy, Progress in Clin. Psychol; The concept of regression in group psychotherapy, Int. J. Group Psychother, 1/68. Address: 125 Woodbine Ave, Larchmont, N.Y. 10538.
- SCHEIER, DR. IVAN H(ENRY), b. Plattsburg, N.Y., Jan. 7, 26. PSYCHOLOGY. A.B. Union (N.Y.); 48; A.M. McGill, 51, Defence Res. Bd. Can. grants, 50-51, summer, 52, Ph.D.(psychol), 53. Res. assoc, HumRRO, George Washington, 53-55; lab. personality assessment & group behav, Illinois, 55-58, 59-60; test ed. & assoc. dir. Inst. Personality & Ability Testing, Ill, 59-63; CONSULT. PSYCHOLOGIST, BOULDER COUNTY JUVENILE COURT, 63-;
- PROJ. DIR, BOULDER COUNTY JUVENILE DELINQUENCY PROJ, 66- Summer lectr, Sir George Williams Col, 52. Mem. Nat. Coun. Crime & Delinquency, 67- U.S.N.R. 43-45. AAAS; Psychol. Asn; Soc. Multivariate Exp. Psychol; N.Y. Acad. Sci; Can. Psychol. Asn. Methodology of applied research; anxiety; neuroticism; community action research in juvenile delinquency prevention and control. Publ: Co-auth, Meaning and measurement of neuroticism and anxiety; auth, Method of natural variation in applied educational research, J. Ed. Res; co-auth, Predicting anxiety from clinical symptoms of anxiety, Psychiat. Quart. Address: P.O. Box 1467, Boulder, Colo. 80302.
- SCHEIN, PROF. EDGAR H(ENRY), b. Zurich, Switz, Mar. 5, 28; nat. PSYCHOLOGY. Ph.B. & B.A. Chicago, 47; B.A. Stanford, 48; M.A., 49; Ph.D. (psychol), Harvard, 53. Asst. prof. indust. mgt, sch. indust. mgt, MASS. INST. TECH, 56-60, assoc. prof, 60-64, PROF. ORGN. PSYCHOL. & MGT, SLOAN SCH. MGT, 64- Off. Naval Res. grant, 61-65. Consult, Internal Revenue Serv, 64-66; Gen. Foods, Inc. 65-; H.P. Hood Co, 65-; Digital Equip. Corp, 65- Soc. Sci. Res. Coun. auxiliary res. award, 58. U.S.A., 50-56, Capt. Fel. Psychol. Asn; fel. Sociol. Asn. Social psychology; organizational psychology; management development; adult socialization; organizational influences on values. Publ: Coercive persuasion; Organizational Psychology, Prentice-Hall, 65; Chinese indoctrination program for prisoners of war, Psychiatry. Address: Massachusetts Institute of Technology, 52-589, Cambridge, Mass. 02139.
- SCHEIN, DR. JEROME D(ANIEL), b. Minneapolis, Minn, May 27, 23; m. 41; c. 2. CLINICAL PSYCHOLOGY. B.A. Minnesota, 46, M.A., 47, Vet. Admin. fel, 55-58, Ph.D.(clin. psychol), 58. Asst. Minnesota, 46-47; from engr. to gen. mgr, Blvd. Frocks, Inc, 47-55; instr. clin. psychol, Wisconsin, 58-59; asst. prof, Fla. State, 59-60; prof. psychol. & dir. off. psychol. res, Gallaudet Col, 60-68; DEAN COL. ED, CINCINNATI, 68- Consult, Vet. Admin, 58-59; Leon County Ment. Hyg. Clin, 59-; Human Develop. Inst, 59-; res. consult, Tomah Vet. Admin. Hosp, 59; bur. ed. handicapped, U.S. Off. Ed, 67- Med.Serv.C, U.S.A., 42. AAAS; Psychol. Asn. Psychological consequences of cerebral injury; modification of abnormal behavior; assessment and classification of human behavior. Address: College of Education, University of Cincinnati, Cincinnati, Ohio 45221.
- SCHEINMAN, DR. LAWRENCE, b. New York, N.Y., Apr. 21, 34; m. 55; c. 2. POLITICAL SCIENCE. B.A. Brandeis, 55; LL.B. N.Y. Univ, 58; M.A. Michigan, 59, Ph.D.(polit. sci), 63. Instr. POLIT. SCI, Michigan, 62-63; asst. prof, CALIFORNIA, LOS ANGELES, 63-68, ASSOC. PROF, 68- Soc. Sci. Res. Coun. res. grant, 65-66; res. assoc, Center Int. Affairs, Harvard, 66-67. Polit. Sci. Asn. Political integration in Western Europe; specialized agencies in the field of nuclear development and controls; French politics and foreign policy. Publ: Atomic energy policy in France under the Fourth Republic, Princeton, 65; co-auth, International law and political crisis, Little, 68; auth, Euratom; nuclear integration in Europe, Int. Conciliation, 67. Address: Dept. of Political Science, University of California, Los Angeles, Calif. 90024.
- SCHEINOK, PROF. PERRY A(ARON), Math, see 11th ed, Phys. & Biol. Vols.
- SCHEIPS, DR. CHARLES D(ARE), b. Evansville, Ind, Dec. 24, 26; m. 55. PSYCHOLOGY. B.S. St. Louis, 51; fel, Purdue, 51-53, M.S., 52, Ph.D. (psychol), 54. Consult, John R. Martin Assoc., 54-57; CONSULT. PSYCHOLOGIST, 57- U.S.N., 44-47. Psychol. Asn; Int. Asn. Appl. Psychol. Industrial psychology and relations; personnel management. Publ: Co-auth, Study of job inter-relationships. Address: 3709 N. Lake Dr, Milwaukee, Wis. 53211.
- SCHELDORF, PROF. S(VERRE) I(NGVALD), Econ, see 10th ed, Soc. & Behav. Vols.
- SCHELL, PROF. JOHN S(AMUEL), b. Tyrone, Pa, July 17, 24; m. 45; c. 3. EDUCATIONAL PSYCHOLOGY. B.S. Juniata Col, 48; M.Ed. Pa. State, 50, Ed.D.(psychol), 59. Teacher, high sch, Pa, 48-50, asst. prin. & sch. psychologist, pub. schs, 50-53; psychologist, Mercer County Schs, 53-59; PROF. PSYCHOL. & HEAD DEPT, EDINBORO STATE COL, 59- Instr, Pa. State, 54-59. Mem. Coun. Except. Children, 57- U.S.A., 42-46, Capt. Psychol. Asn. School program for gifted children from kindergarten through college and the skills needed of the teacher and facilities. Publ: High school psychology; Mandate for the gifted, Gifted Child Quart, spring, 63; co-auth, Motivation, the intangible factor, PSEA J, 5/67. Address: Dept of Psychology, Edinboro State College, Edinboro, Pa. 16412.
- SCHELL, DR. KERRY F(RANKLIN), b. Tower City, Pa, Nov. 21, 27; m. 53; c. 3. FORESTRY ECONOMICS. B.S. Pa. State, 58, M.S., 59; Nat. Sci. Found. fel. & Ph.D.(forestry), Duke, 65. Economist, Tenn. Valley Authority, 62-65; ASSOC. PROF. FORESTRY, TENNESSEE, 65- Consult, Tenn. Valley Authority, 66-67. U.S.A., 51-53. Econ. Asn; Soc. Am. Foresters. Factors influencing forest land values; shoreland values; recreation land values; social contributions of outdoor recreation activities; private investment in outdoor recreation. Address: Dept. of Forestry, University of Tennessee, Knoxville, Tenn. 37916.
- SCHELLBACH, LOUIS, b. New York, N.Y., Oct. 20, 87; m; c. 2. ANTHROPOLOGY, ARCHAEOLOGY. Pratt Inst, 04-18; Brooklyn Inst, 19-21; Columbia, 25. State archaeologist, Nev, 22-27; staff archaeologist, Mus. Am. Indian, Heye Found, 27-31; asst. secy, Explorers Club, 31-32; field archaeologist, Cole Exped. to Panama, Peabody Mus. Archaeol, Harvard, 32-33; ranger-naturalist, Nat. Park Serv, 33-34, mus. technician, mus. labs, 34-35, asst. mus. chief, 35, asst. park naturalist, Grand Canyon Nat. Park, 37-40, from park naturalist to chief park naturalist, 40-57; tech. consult, Arizona Desert Mus, 57-67; RETIRED. Dir. archaeol. exped, Idaho, 29. Distinguished serv. award & gold medal, U.S. Dept. Interior, 54. U.S.A., 17-19. Fel. AAAS. Natural history of the Grand Canyon National Park area; geology; history. Address: 2724 N. Plumer Ave, Tucson, Ariz. 85719.
- SCHELLENBERG, PROF. JAMES A(RTHUR), b. Baldwin, Kans, June 7, 32; m. 56; c. 2. SOCIAL PSYCHOLOGY, SOCIOLOGY. A.B. Baker, 54; M.A. Kansas, 55. Ph.D., 59. Instr. west. civilization, Kansas, 57-59; asst. prof.

SOCIOL. WESTERN MICHIGAN, 59-63, assoc. prof, 63-67, PROF, 67-
AAAS; Sociol. Asn. Interpersonal relations, especially perception of persons, interpersonal attraction and influence; small groups; social conflict. Address: Dept. of Sociology, Western Michigan University, Kalamazoo, Mich. 49001.

SCHELLENBERG, PROF. PETER E. b. Buhler, Kans. Apr. 20, 98; m. 28; c. 2. **PSYCHOLOGY**. A.B. Tabor Col. 23; A.M. Kansas, 26; Ph.D. Minnesota, 30. Prof. psychol. Tabor Col. 30-31, 41-54, dean, 41-42, pres. 42-51; prof. psychol. Bethel Col. (Kans.) 31-41, admissions counslr. 54-56; prof. psychol. Reedley Col. 56-57; Bethel Col. 57-64, dean, 57-61; RETIRED. Prof. Bluffton Col. 64- Summer, Danforth scholar, California, 52. Psychol. Asn. Hypnosis; free association; student attrition. Address: 286 S. Lawn Ave, Bluffton, Ohio 45817.

SCHELLENBERGER, PROF. ROBERT EARL, b. Janesville, Wis. July 25, 32; m. 61; c. 2. **MANAGEMENT SCIENCE**. B.B.A. Wisconsin, 58, M.B.A. 59; N.C. Bus. Found. fel. North Carolina, 59-60, Nat. Defense Ed. Act fel. 60-62, Julian Price fel. 62-63, Ph.D. (indust. oper. res.) 63. Indust. rels. mgr. Libby, McNeill & Libby, 57-58; teaching asst. personnel mgt. sch. commerce, Wisconsin, 58-59; asst. prof. MGT. SCI. dept. bus. admin. Maryland, 63-66, assoc. prof. 66-68, chmn. div. quant. methods, 67-68; PROF. & CHMN. DEPT. SOUTHERN ILLINOIS, 68- Summer res. asst. sch. bus. admin. North Carolina, 61 & 62; Gen. Res. Bd. summer res. grant, Maryland, 64; Off. Ed. res. grant, 65- Pres. Md. Res. Consult. Assocs. Inc. 65-U.S.A., 51-54. Acad. Mgt.; Inst. Mgt. Sci. Management theory and practice, especially the process, evaluation, models and tools for decision-making in business, government and education. Publ: MANSYM, a dynamic management simulator, W.C. Brown, 65; Development of a computerized multi-purpose retail management game, Grad. Sch. Bus. Univ. North Carolina, 65. Address: Dept. of Management, Southern Illinois University, Carbondale, Ill. 62903.

SCHELLING, PROF. THOMAS C (ROMBIE), b. Oakland, Calif. Apr. 14, 21; m. 47; c. 4. **ECONOMICS**. A.B. California, 44; Ph.D. (econ), Harvard, 51. Mem. staff, U.S. Govt. 48-53; assoc. prof. econ. Yale, 53-58; PROF. ECON. & MEM. FACULTY, CENTER INT. AFFAIRS, HARVARD, 58- Mem. staff, Rand Corp. 58-59. Mem. Defense Sci. Bd. Dept. Defense, 66- Econ. Asn. Political and military aspects of foreign policy. Publ: International economics; The strategy of conflict; Arms and influence, Yale Univ. Press, 66. Address: 6 Divinity Ave, Cambridge, Mass. 02138.

SCHENEMAN, DR. CARL N (ORMAN), b. Latour, Mo. May 7, 23; m. 47; c. 2. **INDUSTRIAL ENGINEERING**. B.S. Missouri, 47, M.S. 55; Ph.D. (coop. exten. admin), Wisconsin, 59. Asst. county exten. agent, MISSOURI, 47, assoc. county exten. agent, 47-49, county exten. agent, 49-50, exten. assoc. prof. agr. eng. 50-60, PROF. EXTEN. ED. 60-, DIR. ADMIN. MGT. UNIV-WIDE EXTEN, 61-, asst. to dir. agr. exten. serv. 60-61. U.S.A., 42-45. Soc. Agr. Eng. Personnel management. Address: University of Missouri, 108 Whitten Hall, Columbia, Mo. 65201.

SCHENK, DR. WILLIAM E (ARL), b. Bozeman, Mont. Nov. 21, 11; m. 44; c. 1. **ECONOMICS, PUBLIC ADMINISTRATION**. B.S. Montana State Col. 34; A.M. Michigan, 39; Ph.D. Illinois, 48; hon. dipl. El Salvador, 56, 57. From asst. to asst. prof. lang. Mont. State Col. 33-44; asst. econ. Illinois, 44-48; assoc. prof. Agr. & Mech. Col. Tex. 48-49; vis. prof. El Salvador, 49-51; econ. adv. ministry econ. Govt. El Salvador, Int. Coop. Admin. U.S. Dept. State, 51-57, dir. res. regional develop. proj. Lima, 57-60, prog. economist, U.S. Ops. Mission India, 60-62, chief, prog. ops. br. U.S. Agency Int. Develop. New Delhi, 62-65, prog. eval. consult. books in develop. Wash. D.C. 66-67; HEAD DEPT. ECON. SOUTH ALABAMA, 67- Econ. consult. Nat. Tax Equality Asn. 46-48; res. assoc. State Revenue Laws Revision Cmn. Ill. 48; consult. State Legis. Revenue Cmt. Tex. 48-49. AAAS; Econ. Asn; hon. mem. Geog. Soc. Lima. Relationship of institutional factors to social and economic development; economic development planning and programming techniques, especially institution building in developing countries; role of economics in education. Publ: Ed. Sixty-four studies on development of southern Peru, Coop. Serv. Ed. Lima, Peru, 59-60. Address: Dept. of Economics, University of South Alabama, Mobile, Ala. 36608.

SCHENKE, LOWELL W (LLARD), b. Colesburg, Iowa, Sept. 16, 09; m. 45; c. 1. **PSYCHOLOGY, SOCIOLOGY**. B.A. Iowa, 33; Indiana, 45-46; M.A. Drake, 48; Iowa State, 57-59. Supvr. psychol. serv. State Dept. Soc. Welfare, 48-50; dir. STATE BD. CONTROL, 50-60, psychol. consult. childrens div. 60-67; SUPVR. COMMUNITY SERV. UNIT, 67- Spec. consult. Nat. Inst. Ment. Health, 64-67. U.S.A., 42-45. Psychol. Asn; Asn. Correctional Psychol. (pres, 54). The prognostic significance of current psychotic behavior; children with inferior social histories and their mental development in adoptive homes. Publ: The Bender visual-motor Gestalt test as a measure of aggression in children, Proc. Iowa Acad. Sci; Who are the offenders, J. Correctional Psychol. Address: 2720 Beverly Dr, Des Moines, Iowa 50322.

SCHENKER, DEAN ERIC, b. Vienna, Austria, Feb. 24, 31; nat. **ECONOMICS**. B.B.A. City Col. New York, 52; M.S. Tennessee, 55; Ph.D. Florida, 57. PROF. ECON. Mich. State, 57-59; WISCONSIN, 59-, DEAN SOC. SCI. DIV. COL. LETTERS & SCI. 63- Transportation economist, Agency Int. Develop. Nigeria, summer, 66. Consult. U.S. Corp. Eng. 56-57; Robert R. Nathan Assoc. 65. Chmn. Milwaukee Bd. Harbor Cmn. 60- U.S.A., 52-54. Econ. Asn; Transportation Res. Forum. Demand for the supply of general cargo port facilities to handle potential overseas seaway traffic; nationalization and de-nationalization of motor carriers in Great Britain; effects of containerization of Great Lakes ports; St. Lawrence Seaway shipping season. Publ: The port of Milwaukee: an economic review, Univ. Wisconsin Press, 67; Technical efficiency of British motor transport under nationalization, Transportation J, spring 65; The use of public mass transportation in the major metropolitan areas of the United States, Land Econ, 8/67. Address: 3466 N. Frederick Ave, Milwaukee, Wis. 53211.

SCHENKER, DR. VICTOR J (JOSEPH), Neurochem, see 11th ed, Phys. & Biol. Vols.

SCHENKKAN, PROF. ROBERT, Drama, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

SCHER, PROF. SEYMOUR, Polit. Sci, see 10th ed, Soc. & Behav. Vols. Latest known address: 115 Corwin Rd, Rochester, N.Y. 14610.

SCHERER, DR. FREDERIC M. b. Ottawa, Ill. Aug. 1, 32; m. 57; c. 3. **ECONOMICS**. A.B. Michigan, 54; M.B.A. Harvard, 58, Ph.D. (econ), 63. Res. assoc. bus. admin. grad. sch. bus. admin. Harvard, 58-63; asst. prof. ECON, Princeton, 63-66; ASSOC. PROF. MICHIGAN, 66- Mem. Inter-Univ. Cmt. Microecon. Tech. Change, 63-68. Lanchester Prize, Oper. Res. Soc. Am. 64. U.S.A., 54-56. Econ. Asn; Economet. Soc; Soc. Hist. Tech. Economics of technological change; theory of industrial pricing behavior; economics of national security. Publ: Co-auth, The weapons acquisition process: an economic analysis, 62 & auth, The weapons acquisition process: economic incentives, 64, Harvard; auth, Research and development resource allocation under rivalry, Quart. J. Econ, 67. Address: Dept. of Economics, University of Michigan, Ann Arbor, Mich. 48104.

SCHERER, DR. ISIDOR WOLFE, b. New York, N.Y. Jan. 2, 06; m. 41. **PSYCHOLOGY**. B.S. N.Y. Univ. 30, fel. 31-32, M.A. 34; Columbia, 32-37, scholar, 36-37; Ph.D. (psychol), Nebraska, 48. Activity therapist, Rockland State Hosp, 31-42; chief psychologist, Northampton Vet. Admin. Hosp, 46-63; DIR. TRAINING & RES. PSYCHOL. BR. U.S. NAVAL HOSP. NAT. NAVAL MED. CENTER, MD, 63-; CLIN. PROF. PSYCHOL. GRAD. SCH. GEORGE WASHINGTON, 63- Clin. affiliate, Boston, 47-48; clin. psychologist, Springfield Hosp. Rehab. Center, 49; prin. scientist, Vet. Admin, 56-61; Nat. Easter Seal Res. Found. res. grant, 58-60; lectr. dept. ed. grad. faculty, Massachusetts, 59-63. Consult. psychologist, 46- Mem. nat. adult adv. cmt. United Cerebral Palsy Asns; bd. dirs. Goodwill Indus., former chmn. rehab. cmt; mem. bd. dirs. Jr. League Pre-Sch. Physically Handicapped Children; secy-treas. Mass. Bd. Cert. Psychol. Inc. 57-63; former mem. bd. dirs. Coun. Soc. Agencies in Northampton, Mass; mem. bd. dirs. & v-pres. Pioneer, Inc. Halfway House; former mem. nat. adv. cmt. audio visual aids, Am. Asn. Retarded Children. Outstanding award U.S. Naval Hosp. Nat. Naval Med. Center, 66. Dipl. clin. psychol. Am. Bd. Exam. Prnl. Psychol. 48. U.S.A., 43-48, Maj. Psychopath. Asn; Acad. Psychother; fel. Psychol. Asn; Soc. Med. Psychiat; Nat. Voc. Guid. Asn; N.Y. Acad. Sci. Evaluation of physiodynamic techniques; validation of psychodiagnostic instruments, particularly as they pertain to organic brain damage and schizophrenic conditions; longitudinal survey of schizophrenic processes; process of clinical teaching; assessment techniques; evaluation of physiodynamic treatments and behavior modification procedures. Publ: Co-auth, Psychological changes during the first year following prefrontal lobotomy, Psychol. Monogr, Vol. 67, No. 7 & Familial psychopathology and environmental stress as prognostic signs, J. Clin. Psychol, 1/60; auth, The prediction of academic achievement in brain-injured children, Except. Children, 28: 103-106. Address: U.S. Naval Hospital, National Naval Medical Center, Bethesda, Md. 20014.

SCHERER, DR. JOSEPH, b. New York, N.Y. Feb. 25, 18; m. 49; c. 2. **ECONOMICS**. Ph.D. (econ), Chicago, 51. Asst. prof. econ. Missouri, 48-51; assoc. dir. case anal. div. Regional Wage Stabilization Bd, 51-52, acting dir. 52-53; lectr. econ. grad. sch. bus. Columbia, 54; vis. lectr. Bowdoin Col. 54-55; ECONOMIST, FED. RESERVE BANK OF N.Y., 55- Adj. prof. City Univ. New York, 58- U.S.A., 42-46. Econ. Asn; Nat. Tax Asn; Finance Asn. Fiscal policy and public finance; money and banking; economic theory. Publ: Co-ed, Public finance and fiscal policy; selected readings, Houghton, 66; co-auth, The changing structure of the individual income tax, Nat. Tax J, 3/64; auth, On measuring fiscal policy, J. Finance, 12/65. Address: Federal Reserve Bank, New York, N.Y. 10045.

SCHERER, M (ARY) ELIZABETH, Sociol, see 10th ed, Soc. & Behav. Vols.

SCHERER, MILTON E (DWARD), b. Watervliet, Mich. Feb. 28, 00; m. 30. **GEOGRAPHY**. A.B. Western Michigan, 25; A.M. Michigan, 34. Chmn. dept. geog. high sch. Mich. 29-44; mem. dept. Muskegon Jr. Col. 44-47; asst. prof. geog. & chmn. dept. geog. & hist. Mich. Col. Mining & Tech. 48-65; RETIRED. Asn. Am. Geog; Fedn. Am. Sci; Geophys. Union; Can. Geog. Soc; Arctic Inst. N.Am. Land use map of greater Muskegon area, Michigan; North American glaciation and climatology; political science and politics. Address: Trout Lake, Mich. 49793.

SCHERER, DR. PAUL HENRY, Mod. European Diplomatic Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SCHERER, DR. ROSS P (AUL), b. Ft. Wayne, Ind. Mar. 30, 22; m. 46; c. 3. **SOCIOLOGY**. A.B. Concordia Sem, 43, dipl. 45; A.M. Chicago, 47. Lutheran Brotherhood fel, 59, Ph.D. (sociol), 63. Caseworker, soc. serv. dept. Lutheran Child Welfare Asn, Ill. 48-50; instr. sociol. & soc. work, Valparaiso, 50-54, asst. prof. 54-63; dir. res. ops. Nat. Coun. Churches, N.Y. 63-64, dir. church ministry studies, 65-66; ASSOC. PROF. SOCIOL. LOYOLA (ILL), 66-, ACTING CHMN. DEPT. 67- Managing ed. Rev. Relig. Res. 66- Sociol. Asn; Soc. Sci. Study Relig. Sociology of religion, community organizations, occupations and work. Publ: Ed. Lutheran parish in an urbanized America; co-auth, The church and its manpower management, Nat. Coun. Churches, 66. Address: Dept. of Sociology, Loyola University, 820 N. Michigan Ave, Chicago, Ill. 60611.

SCHERMBECK, CLARENCE E (DWARD), b. Leavenworth, Kans. Apr. 21, 22; m. 45; c. 1. **GOVERNMENT**. B.A. Texas Christian, 48, M.A. 51. Asst. Kans. Legis. Coun. 52-55; res. assoc. inst. pub. affairs, Texas, 55-57; AREA COORDINATOR, REGION V, URBAN RENEWAL BR. HOUSING & HOME FINANCE AGENCY, 57- U.S.A.A.F., 42-45. Polit. Sci. Asn. Political theory; local, municipal and state government. Publ: Urban renewal for Texas; Parking, traffic and transportation in Texas cities; Voting machine use in Texas, Tex. Municipalities Mag. Address: 4120 Mickl Lynn, Ft. Worth, Tex. 76107.

SCHERMERHORN, PROF. R (ICHARD) A (LONZO), b. Evanston, Ill. Oct. 18, 03; m. 26. **SOCIOLOGY**. A.B. Dakota Wesleyan, 24; B.D. Garrett Biblical

Inst. 26, Trustee fel, 27-28; A.M. Northwestern, 27; Harvard, 30-31; Ph.D. Yale, 31; Prague, 31-32. Prof. philos. Kans. Wesleyan, 32-33; Clark Col., 33-38; Gen. Ed. Bd. fel, Yale, 38-39, hon. fel, 39-40; ASSOC. PROF. SOCIOL., Baldwin-Wallace Col., 40-47; R.I. State Col., 47-48; CASE WESTERN RESERVE, 48- Guest prof, Atlanta, 33-38; vis. Fulbright prof, Lucknow, India, 59-60; summer, lectr, Salzburg Seminar Am. Studies, 58. Sociol. Asn; Soc. Study Social Probs. (pres, 58-59). Race relations; social psychiatry. Publ: These our people, minorities in American culture; Society and power; Psychiatric index for interdisciplinary research, U.S. Govt. Printing Off, 64. Address: Dept. of Sociology, Case Western Reserve University, Cleveland, Ohio 44106.

SCHERMERHORN, DR. RICHARD WILLIS, b. Schenectady, N.Y., Nov. 3, 31; m. 59; c. 1. AGRICULTURAL ECONOMICS. B.S. Georgia, 58, M.S. 59; fel, Oregon State, 59-62, Ph.D. (agr. econ, statist), 62. Asst. prof, res. exten, Maryland, 62-65, ASSOC. PROF. 65-66; MKT, OKLA. STATE, 66- U.S.N., 52-60. Agr. Econ. Asn; Mgt. Asn. Feasibility studies for all types of agricultural and recreational enterprises; management audits. Publ: Financial statement analysis for agricultural marketing firms, 64 & Recreation in western Maryland—present and potential, Univ. Maryland; Economic feasibility of an integrated broiler operation in Oklahoma, Okla. State Univ, 67. Address: Dept. of Agricultural Economics, Oklahoma State University, Stillwater, Okla. 74074.

SCHERTENLEIB, DR. CHARLES, b. Paris, France, Sept. 28, 05; m. 36; c. 2. INTERNATIONAL ECONOMICS, PUBLIC ADMINISTRATION. Ph.D. (econ, bus. admin), Lausanne, 44; LL.D. Paris, 46, Laureate, 47; B.S. & M.S., Laval, 54; Laureate, Acad. Française, 57. Consult, Int. Inst. Appl. Econ, 30-36; prof. lectr. ECON, Mons, Belgium, 36-41; privat-docent, Lausanne, 43-52; vis. prof, Loyola Col. (Can), 53-55; ASSOC. PROF. SCH. FOR SERV., GEORGETOWN, 56- Vis. prof, Howard Univ. & American Univ, 57-; int. center, Wash. Inst. Econ. Develop, Int. Bank Reconstruct. & Develop, 63- Consult, int. ed. prog, Agency Int. Develop, 61-; hon. consul of Monaco, D.C., 64- V.pres, Swiss Nat. Cmt. Sci. Mgt, 44-52; Inst. Chamber Commerce, 44-52; mem. Can. Inst. Soc. & Econ. Studies, 54; Economists' Nat. Cmt. Monetary Policy, 57. Knight, Order of the Belgian Crown, 50; Knight, Legion of Honor, France, 51; Comdr, Nat. Order Honor & Merit, Haiti, 61. Fel. African Studies Asn. International economic development of Europe and Africa; area surveys; managerial economics and organization of public and private enterprises; economic and business administration education. Publ: Principles of marketing applied to industrial and commercial enterprises; Economic freedom in Swiss constitutional law; co-auth, Marketing. Address: Dept. of Economics, Georgetown University, Washington, D.C. 20007.

SCHEUCH, PROF. RICHARD, b. New York, N.Y., July 15, 21; m. 48; c. 2. ECONOMICS. A.B. Princeton, 42, Wilson fel, 46-47, M.A., 48, Ph.D. (econ), 52. Asst. ECON, Princeton, 46-50; instr, TRINITY COL. (CONN), 50-53, asst. prof, 53-58, assoc. prof, 58-65, prof, 65-67, G. FOX & CO. PROF. & CHMN. DEPT, 67- Mem. Greater Hartford Coun. Econ. Ed, 54-; regional selection cmt, Nat. Woodrow Wilson Fel. Found, 61-; pub. mem, Gov. Cmn. Study Collective Bargaining by Munic. Employees, 64-67. U.S.N.R., 42-46, Lt. Econ. Asn; Indust. Rels. Res. Asn. Labor relations; building and construction industry. Publ: Labor policies in residential construction, Indust. & Labor Rels. Rev; Time for incentive plan for building labor?, Eng. News-Record; Incentive systems in the building trades. Address: 54 Westwood Rd, West Hartford, Conn. 06117.

SCHEUER, JOSEPH F (RANCIS), C.P.P.S., b. Detroit, Mich, July 24, 18. SOCIOLOGY. B.A. St. Joseph's Col, 47; M.A., Fordham, 49, Ph.D., 55. Assoc. prof. SOCIOL., St. Joseph's Col. (Ind), 49-52, 57-59; instr, FORDHAM, 52-55, ASSOC. PROF., 55-57, 59- Dir, LePlay Res. Inc. Sociol. Asn; Pop. Asn. Sociology of knowledge; area analysis; community. Publ: Parishes in the human community; A manual of laboratory exercises for undergraduate research; The de-Romanization of the American Catholic Church, Macmillan, 66. Address: Dept. of Sociology, Fordham University, New York, N.Y. 10458.

SCHIARTZ, DR. DOUGLAS WRIGHT, b. Erie, Pa, July 29, 29; m. 50; c. 3. ANTHROPOLOGY. B.A. Kentucky, 51; Ph.D. Yale, 55. Instr. ANTHROP., Oklahoma, 55-56; asst. prof, Kentucky, 56-58; assoc. prof, 58-62, prof, 62-67, dir, mus. anthropol., 58-67, DIR. SCH. AM. RES. SANTA FE, 67- Mem. Anthropol. panel, behav. & soc. sci. surv. cmt, Nat. Acad. Sci., 66- Soc. Am. Archaeol. (memor. ed, 66-); Anthropol. Asn. Archaeology of Northern Arizona and Kentucky; culture change; intellectual history of archeology; human migration. Publ: Ed, Creativity and college teaching, Col. Ed, Univ. Kentucky, 63; auth, Changing conceptions of Kentucky prehistory, Univ. Kentucky, 67; An intellectual history of American archeology, Int. Cong. Hist. of Sci., 67. Address: Box 1554, Santa Fe, N.Mex. 87501.

SCHICK, PROF. F (RANZ) B, b. Vienna, Austria, Aug. 5, 01; nat; m. 45; c. 4. POLITICAL SCIENCE. LL.B. Vienna, 31; A.M., California, 39, Ph.D., 44. From lectr. to instr, California, 45-46; assoc. prof. POLIT. SCI., UTAH, 47-48, PROF., 48- Guest prof, Free Univ. Berlin, 55, 62; Nat. Univ. Mexico, 64; Göttingen, 66; All Souls Col., Oxford, 66; acting chmn. dept. polit. sci., Ripon Col., 68-; lectr, U.S. Info. Serv. Europe. Polit. Sci. Asn; Int. Inst. Space Law; Soc. Int. Law; French Soc. Comp. Legis. International organization. Publ: Towards a living constitution of the United States; Sovereignty and space law; Vietnam and the image of the United States. Address: Dept. of Political Science, University of Utah, Salt Lake City, Utah 84112.

SCHICK, DR. GEORGE J, Statist, Math, see 11th ed, Phys. & Biol. Vols.

SCHIEFELBUSCH, PROF. RICHARD L (OUIS), b. Osawatimie, Kans, July 23, 18; m. 42; c. 3. SPEECH PATHOLOGY, PSYCHOLOGY. B.S. Kans. State Teachers Col. Pittsburg, 40; M.A., Kansas, 47; Ph.D. (speech pathol), Northwestern, 51. Asst. prof. SPEECH PATH., KANSAS, 49-53, assoc. prof, 53-59, PROF., 59- DIR. BUR. CHILD RES., 55-; dir. speech & hearing clin, 49-55. Coordinator, Center Res. Ment. Retardation & Related Aspects Human Develop, 66- Spec. consult, U.S. Off. Ed, 63-65 & 66-; Nat. Inst. Ment. Health, 63-; Nat. Inst. Child Health & Human Develop, 64-; Nat. Inst. Neurol.

Diseases & Blindness, 65- U.S.A.A.F., 41-45. Speech & Hearing Asn; Asn. Ment. Deficiency; Soc. Res. Child Develop; Coun. Except. Children. Communication behavior; learning process; language development. Publ: Co-auth. & co-ed, Language and mental retardation: empirical and conceptual considerations, Holt, 67 & Methods in special education, McGraw, 67; co-auth, Language studies of mentally retarded children, Monogr. Suppl. 10, J. Speech & Hearing, 1/63. Address: Bureau of Child Research, University of Kansas, Lawrence, Kans. 66044.

SCHIER, PROF. RICHARD F (RANCIS), b. Ft. Madison, Iowa, Mar. 23, 22. POLITICAL SCIENCE. B.A. Iowa, 46, M.A., 47; Ph.D. (polit. sci.), California, Los Angeles, 51. Lectr. polit. sci., Akron, 47-48; asst., California, Los Angeles, 48-51; ed. adv, U.S. Dept. Defense, 51-53; asst. prof. govt, Franklin & Marshall Col., 53-60; dep. supt. pub. instr, Commonwealth of Pa., 60-62; PROF. GOVT., FRANKLIN & MARSHALL COL., 62- Legis. asst, U.S. Senator Joseph S. Clark, 65. U.S.A., 43-46. American government and politics. Publ: The legislative and judicial development of Act 481: 1947-1959; co-auth, An analysis of local tax collection costs in Pennsylvania; auth, Academic freedom and political action, Am. Assn. Univ. Prof. Bull, spring 67. Address: 426 Highland View, Lancaster, Pa. 17601.

SCHIER, DR. ROBERT J (OHN), Econ, Pub. Admin, see 10th ed, Soc. & Behav. Vols.

SCHIETINGER, DR. E (GBERT) FREDERICK, b. Weimar, Tex, Feb. 3, 19; m. 47; c. 3. SOCIOLOGY. B.A. Chicago, 40, M.A., 48, Livingstone fel, 48-49, Ph.D. (human ecol), 53. Instr. sociol., Bucknell, 49-52; asst, Chicago, 52; proj. officer, human resources res. inst., Alabama, 52-57; br. chief, personnel res. lab, Texas, 57-58; res. assoc, SOUTH. REGIONAL ED. BD, 58-67, ASSOC. DIR. RES, 67- Sig.C., 41-46, 1st Lt. Sociol. Asn. Race relations; human ecology; demography; social disorganization; educational sociology. Publ: Racial succession and the value of small residential properties, Am. Sociol. Rev; Race and residential market values in Chicago, Land Econ; Racial succession and changing property values in residential Chicago, In: Contributions to urban sociology, Univ. Chicago Press, 64. Address: 4852 Lake Forest Dr. N.W., Atlanta, Ga. 30305.

SCHIFF, DR. ASHLEY L, b. Brooklyn, N.Y., July 17, 32; m. 56; c. 3. POLITICAL SCIENCE. B.A., Brooklyn Col, 53; Ph.D. Harvard, 59. Asst. prof. pub. admin, Southern California, 60-64; ASSOC. PROF. POLIT. SCI., STATE UNIV. N.Y. STONY BROOK, 64- Polit. Sci. Asn; Soc. Pub. Admin. Natural resources and comparative administration. Publ: Fire and water: scientific heresy in the Forest Service; contrib, Innovation and administrative decision-making; the conservation of land resources, Admin. Sci. Quart, 6/66 & Outdoor recreation values in the public decision process, Natural Resources J, 10/66. Address: Dept. of Political Science, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.

SCHIFF, DR. DONALD, b. Brooklyn, N.Y., Oct. 27, 33; m. 58; c. 3. PSYCHOLOGY. B.S., Brooklyn Col, 58, M.A., 62; Ph.D. (psychol), N.Y. Univ, 64. Res. scientist, N.Y. Univ, 61-63; from asst. prof. to PROF. PSYCHOL., STATE UNIV. N.Y. COL. NEW PALTZ, 63- Nat. Sci. Found. summer res. fel, Pa. State, 65 & Florida State, 66; State Univ. N.Y. res. grant-in-aid, 65- Consult, Astor Home Children, N.Y., 66- U.S.N., 52-54, Res, 54-61. Psychol. Asn. Behavior modification techniques applied to emotionally disturbed children; factors affecting bar-press avoidance behavior in rats. Publ: Resistance to extinction as a function of level of acquisition training and altered stimulus conditions during extinction, Psychonomic Sci, 2: 23-24; co-auth, Overlearning and brightness discrimination reversal, J. Exp. Psychol., 69: 375-381 & Enhanced distress vocalization through reinforcement, Science, 1/66. Address: Dept. of Psychology, State University of New York College at New Paltz, New Paltz, N.Y. 12561.

SCHIFF, DR. ERIC, Econ, see 10th ed, Soc. & Behav. Vols.

SCHIFF, FRANK WILLIAM, b. Germany, July 15, 21; nat. ECONOMICS. A.B., Columbia, 42, Garth fel, 46-47. Instr. econ, univ. col, Columbia, 46-51; economist, Fed. Reserve Bank of N.Y., 51-53, chief domestic res. div, 55-58, sr. economist, 58, 60, mgr. res. dept, 59, 61-63, asst. v.pres, 63-68; DEP. UNDER SECY. MONETARY AFFAIRS, U.S. TREAS. DEPT., 68- Banking & for. exchange adv. & chief finance div, U.S. Ops. Mission, Saigon & Vietnam, Int. Coop. Admin, 55; adv, Nat. Bank of Vietnam, 55, 57; sr. staff economist, coun. econ. adv, Exec. Off. President, 64-68. Mem. U.S. Del. working party 3, econ. policy cmt, Orgn. Econ. Coop. & Develop, 64-68. U.S.A., 43-45. Econ. Asn; Coun. For. Rels; Finance Asn. Business fluctuations; money and banking, especially credit policy; international finance; economics of underdeveloped countries. Address: U.S. Treasury Dept, Washington, D.C. 20220.

SCHIFF, DR. HERBERT M, b. New York, N.Y., Mar. 25, 17; m. 41; c. 3. PSYCHOLOGY. Ph.D. (ed. psychol), Illinois, 53. Clin. psychologist, Idaho State Hosp. South, 53-57; supv. psychologist, EMBREYVILLE STATE HOSP, 58-66, DIR. PSYCHOL. SERV., 66- Dir, Reading-Counseling Center, 60-62. U.S.A., 43-46. Psychol. Asn. Interpersonal relationships; group psychotherapy; personality development. Publ: Judgemental response sets in the perception of sociometric status, Sociometry. Address: 903 Hillcrest Ave, West Chester, Pa. 19380.

SCHIFF, PROF. MICHAEL, b. New York, N.Y., Mar. 4, 15. ACCOUNTING. B.B.A., City Col. New York, 37, M.B.A., 39; Ph.D., N.Y. Univ, 47. PROF. ACCT., N.Y. Univ, 48-; CHMN. DEPT. ACCT. & TAXATION, 60. Am. Acct. Asn; Nat. Asn. Acct; Econ. Asn. Cost analysis. Publ: Co-auth, Practical distribution cost analysis; Cost accounting; Financial management of the marketing function. Address: Graduate School of Business Administration, New York University, 100 Trinity Place, New York, N.Y. 10006.

SCHIFF, DR. WILLIAM, b. New York, N.Y., Mar. 13, 35; m. 63. PSYCHOLOGY. A.B. Miami (Fla), 58, M.S., 60; Nat. Insts. Health fel, Cornell, 62-63, Ph.D. (exp. psychol), 64. Lectr. PSYCHOL., CITY COL. NEW YORK, 63-64, instr, 64-65, ASST. PROF., 65- Prin. investr. & Dept. Health, Ed. & Welfare res. grant, Recording for the Blind, Inc, N.Y., 64-66; prin. investr. &

Nat. Insts. Health res. grant, 67-68; consult. res. scientist, inst. res. & adv. training in deafness rehab, N.Y. Univ, 68- AAAS. Visual and tactile perception; time perception; perception of social events. Publ: Perception of impending collision: a study of visually directed avoidant behavior, Psychol. Monogr, 64; co-auth, Informative tactile stimuli in the perception of direction, Perceptual & Motor Skills, 66 & Stimulus redundancy in the tactile perception of histograms, Int. J. Ed. of Blind, 66. Address: Dept. of Psychology, City College of New York, Convent Ave. & 138th St, New York, N.Y. 10031.

SCHIFFER, DR. JEROME, b. New York, N.Y., Jan. 18, 13; m. 39; c. 2. CLINICAL PSYCHOLOGY. B.A., N.Y. Univ, 36; Ph.D., Kansas, 47. Psychologist, State Penitentiary, Ill, 41-43; CHIEF CLIN. PSYCHOLOGIST, VET. ADMIN, 47- Asst. prof. med. sch., Arkansas, 51-60. Res. assoc., Washington (St. Louis), 50. U.S.A., 43-46. Psychol. Asn. Psychodynamics; psychodiagnostics; psychotherapy. Address: Veterans Administration Hospital, 300 E. Roosevelt Rd, Little Rock, Ark. 72206.

SCHIFFMAN, DR. HAROLD, b. Chelsea, Mass., July 26, 24. PSYCHOLOGY. B.S., George Washington, 51, B.A., 55; Ph.D. (psychol.), Princeton, 61. Electronic engr., U.S. Navy, 51-53; U.S. Bur. Standards, 53-54; Boeing Co., 54-55; res. psychologist, Phila. Psychiat. Hosp., 59-61; res. assoc. PSYCHOL., Ed. Testing Serv., 61-63; asst. prof., DUKE, 63-66, ASSOC. PROF., 66- Co-prin. invest., Nat. Inst. Ment. Health res. proj. V-pres, Morgan Press, Md. U.S.A. Psychol. Asn. Mathematical models; memory. Address: Dept. of Psychology, Duke University, Durham, N.C. 27706.

SCHIFFMAN, DR. HARVEY RICHARD, b. Boston, Mass., May 19, 34; m. 61; c. 1. PSYCHOLOGY. B.A., George Washington, 57, M.S., 61; Ph.D. (psychol.), North Carolina, 65. Statistician, U.S. Pub. Health Serv., 57-61; instr. PSYCHOL., North Carolina, 61-65; ASST. PROF. RUTGERS, 65- Lectr., N.C. Col. Durham, 63-65. AAAS; Psychol. Asn. Perception; developmental psychology; size estimation; pattern preference; depth perception in animals. Publ: Size estimation of familiar objects, Am. J. Psychol., 66; Texture preference in the domestic chick, J. Comp. & Physiol. Psychol., 68; Physical support with and without optical support, Science, 2/68. Address: Dept. of Psychology, Rutgers, The State University, New Brunswick, N.J. 08903.

SCHILL, DR. HERMAN ALLAN, b. Brooklyn, N.Y., Dec. 20, 30; m. 53; c. 3. AUDIOLOGY; A.B., Brooklyn Col., 53, A.M., 59; Columbia, 56-57; Ph.D. (speech, hearing), Pittsburgh, 62. Chief audiologist, Rochester Speech & Hearing Center, N.Y., 62-63; asst. prof. AUDIOL., sch. ed., Boston, 63-66; sch. arts & sci., Indiana, 66-68; ASSOC. PROF., SCH. ED., BOSTON, 68-, mem. spec. sci. staff, dept. rehab. med. univ. hosp. & sch. med., 63-66. Consult., Lemuel Shattuck Hosp., Boston, Mass., 64-66. Speech & Hearing Asn; Acoustical Soc. Am. Effects of drugs upon hearing; supra threshold tolerance. Publ: Hearing aid industry conference—university workshop, Am. Speech & Hearing Asn, 7/60; co-auth, Instrumental avoidance galvanic skin response audiometry, J. Speech & Hearing Disorders, 11/60. Address: Boston University School of Education, 765 Commonwealth Ave., Boston, Mass. 02215.

SCHILL, DR. THOMAS R., b. South Milwaukee, Wis., Dec. 11, 35; m. 60; c. 2. CLINICAL PSYCHOLOGY. B.S., Marquette, 57; M.S., New Mexico Highlands, 58; North Dakota, 58-60; Ph.D., Okla. State, 63. Asst. prof. PSYCHOL., SOUTHERN ILLINOIS, 63-67, ASSOC. PROF., 67- Psychol. Asn. Effects of conflict on performance; measurement of defensiveness; validation of Wechsler subtests as measures of personality. Address: Dept. of Psychology, Southern Illinois University, Carbondale, Ill. 62901.

SCHILLER, PROF. HERBERT I., b. New York, N.Y., Nov. 5, 19; m. 46; c. 2. INTERNATIONAL ECONOMICS. B.S.S., City Col. New York, 40, fel., 40-41; M.A., Columbia, 41; Ph.D., N.Y. Univ, 60. Assoc. prof. econ., Pratt Inst., 50-61; vis. res. assoc. prof., bur. econ. & bus. res., ILLINOIS, URBANA, 61-62, RES. PROF. ECON. & COMMUN. BUR. ECON. & BUS. RES. & INST. COMMUN. RES., 63- Lectr., City Col. New York, 50-59; Brooklyn Acad. Arts & Sci., 60-61; Ford Found. fel., Regional Faculty Res. Seminar on Int. & Inter-regional Econ., summer, 63; vis. fel., Inst. Policy Studies, D.C., 67-68. U.S.A.A.F., 42-45. AAAS; Econ. Asn; Polit. Sci. Asn. International economic relations of the United States; communications and economic development. Publ: International resource relationships in a changing world, Soc. Res., autumn, 64; The slide to violence in the hungering world, Bull. Atomic Scientists, 1/67; National development requires some social distance, Antioch Rev., spring, 67. Address: Room 408, DKH, University of Illinois, Urbana, Ill. 61801.

SCHILLER, DR. JOHANNES AUGUST, b. Gaylord, Kans., June 18, 23; m. 43; c. 2. SOCIOLOGY. B.A., Capital Univ, 45; M.A., Univ. Kansas City, 59; Ph.D. (sociol.), Washington (Seattle), 67. Asst. prof. SOCIOL., PACIFIC LUTHERAN, 58-65, assoc. prof., 65-67, PROF., 67- Mem. bd. soc. serv., Am. Lutheran Church, 67-; undergrad, cmt. soc. work ed., Coun. Soc. Work Ed., 67- Sociol. Asn. Sociology of family; sociological theory; deviant behavior; methods. Address: Dept. of Sociology, Pacific Lutheran University, P.O. Box 2068, Tacoma, Wash. 98447.

SCHILLER, DR. MARVIN, b. New York, N.Y., May 25, 33; m. 57; c. 2. PSYCHOLOGY. A.B., Queens Col. (N.Y.), 56; M.A., Mich. State, 58, Ph.D., 59. Clin. psychologist, Vet. Admin. Hosp., Ann Arbor, Mich., 57-58; instr. counseling & guid., Mich. State, 58-59, psychol., 59; consult. psychologist indust. rels., A.T. KEARNEY & CO., Chicago, 59-65, PRIN. & RESIDENT MGR., LOS ANGELES, 65- Med.C., U.S.A., 52-55. Psychol. Asn; Mgt. Asn. Counseling and guidance; leadership; executive evaluation and selection; management development; organization planning and analysis. Pub: New approach to leadership assessment, Personnel Psychol. Address: 3649 Sapphire Dr., Encino, Calif. 91316.

SCHILLER, DR. M(AURICE) A(ARON), Psychiat, see 11th ed, Phys. & Biol. Vols.

SCHILLER, DR. PETER HARKAI, b. Berlin, Germany, May 5, 31; m. 56; c. 2. PSYCHOLOGY, PHYSIOLOGY. B.A., Duke, 55; M.A., Clark, 60, Ph.D. (psy-

chol), 62. Nat. Insts. Health fel. PSYCHOL., MASS. INST. TECH., 62-64, ASST. PROF., 64- U.S.A., 55-67. Visual perception; electrophysiology of the visual system. Publ: Detection in metacontrast, J. Exp. Psychol., 66; Short-term amnesic effects of electroconvulsive shock in a one-trial maze learning paradigm, Neuropsychologia, 67; Single unit analysis of backward visual masking in the cat lateral geniculate nucleus, Vision Res., 68. Address: Dept. of Psychology, Bldg. E-10, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

SCHILLING, DR. DONALD JOHN, b. Cloquet, Minn., Dec. 27, 35; m. 62; c. 2. ECONOMICS. B.A., Washington State, 58; Ph.D. (econ.), North Carolina, 67. ASST. PROF. ECON., MISSOURI, COLUMBIA, 64- Econ. Asn. International economics, especially foreign exchange market and other areas of macro-international economics. Address: Dept. of Economics, University of Missouri, Columbia, Mo. 65201.

SCHILLING, PROF. WARNER R(OLLER), b. Glendale, Calif., May 23, 25; m. 51; c. 2. INTERNATIONAL RELATIONS. A.B., Yale, 49, M.A., 51, fel., 52-53, Ph.D. (int. rels.), 54; fel., Princeton, 53-54. Res. assoc., inst. war & peace studies & lectr. INT. RELS., Columbia, 54-57; asst. prof., Mass. Inst. Tech., 57-58; COLUMBIA, 58-62, ASSOC. PROF., 62- U.S.A.A.F., 44-46, S/Sgt. Military strategy, foreign policy, technology and industrial relations; international relations theory; American foreign policy. Publ: Co-auth, Strategy, politics, and defense budgets, Columbia, 62; auth, The H-bomb decision: how to decide without actually choosing, Polit. Sci. Quart., 3/61; Scientists, politics, and foreign policy, Am. Polit. Sci. Rev., 6/62. Address: Dept. of Government, Columbia University, New York, N.Y. 10027.

SCHILZ, PROF. GORDON B., b. Vittoria, Ont., Sept. 5, 08; U.S. citizen; m. 29; c. 3. GEOGRAPHY. A.B., Albion Col., 29; M.A., Columbia, 30; Ph.D. (geog.), Clark, 48. Teacher & supt. pub. schs., Mich., 34-43; prof. geog., Iowa Wesleyan Col., 43-48; Southeast. State Col., 48-58; PROF. GEOG. & CHMN. DEPT., NEBRASKA, OMAHA, 58- Fulbright vis. lectr., Mandalay, 50-51; adv., U.S. Opers. Mission, Ethiopia, 53-57, 61-62, dir. Imp. Ethiopian Mapping & Geog. Inst., 55-57, 61-62. Asn. Am. Geog.; African Studies Asn; Nat. Coun. Geog. Ed. Southeast Asia; Northeast Africa; population. Publ: Geography of Ethiopia; Ethiopia and Africa. Address: Department of Geography & Geology, University of Nebraska at Omaha, Omaha, Nebr. 68101.

SCHINAGL, PROF. MARY S., b. Philadelphia, Pa., June 18, 14. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A., Chestnut Hill Col., 41; Drexel Inst., summer, 43; M.A., Pennsylvania, 48, Ph.D. (polit. sci.), 62; M.Ed., Temple, 60. Jr. civil engr., Naval Air Mat. Center, Pa., 42-45; instr. polit. sci. & econ., Rosemont Col., 48-49; Regis Col. (Mass.), 49-50; economist & mgt. analyst, off. price stabilization, Frankford Arsenal, Pa., 51-56; teacher, high sch., N.J., 56-58; jr. guid. counsr., high sch., Pa., 58-59; asst. dean women, West Chester State Col., 59-60; acting guid. dir., high sch., N.J., 60-62; PROF. POLIT. SCI. & PUB. ADMIN., MONMOUTH COL. (N.J.), 62- Participant, Nat. Sci. Found. conf., summer, 65. Acad. Polit. Sci.; Soc. Pub. Admin.; Acad. Polit. & Soc. Sci. Public and public personnel administration; state and local guidance. Publ: History of efficiency ratings in the federal government, Bookman's Assocs., 66; Preliminary steps in the regionalization of urban areas in New Jersey, N.J. County Govt., 9/67. Address: Dept. of Political Science & Public Administration, Monmouth College, West Long Branch, N.J. 07764.

SCHINDELER, DR. FRED(ERICK) F(ERNAND), b. Stettler, Alta., Oct. 11, 34; m. 56; c. 4. POLITICAL SCIENCE. B.A., Bethel Col. (Minn.), 57; B.D., Baptist Sem. (Ky.), 59; M.A., Toronto, 61, MacKenzie fel., 62-64, Ph.D. (polit. sci.), 65. Instr. POLIT. SCI., Toronto, 61-63; lectr., YORK (ONT.), 63-65, asst. prof., 65-67, ASSOC. PROF. & DIR. INST. BEHAV. RES., 67-, acad. dean Glendon Col., 66-67. Res. grants, Govt. of Ont., 65, York Univ., 66, Inter-Univ. Consortium Polit. Res., 66 & Can. Coun., 67-68. Am. Polit. Sci. Asn; Can. Polit. Sci. Asn. Political attitudes in polyethnic and polylinguistic states; Canada, Switzerland and Belgium. Publ: Legislative-executive relations in Ontario, 68 & Ontario, In: Canadian annual review, 63-66, Univ. Toronto; The Ontario cabinet, Can. Pub. Admin., 9/68. Address: Dept. of Political Science, York University, Toronto 12, Ont., Can.

SCHINDLER, PROF. JAMES SCHWARTZ, b. Hillsboro, Ill., Sept. 11, 17; m. 45; c. 3. ACCOUNTING, HIGHER EDUCATION. B.S., Illinois, Urbana, 39; M.A., Washington (Seattle), 42; M.B.A., Michigan, 42, Ph.D. (acct), 55; hon. Econ.D., Yonsei, Korea, 62. Teaching fel. acct., Washington (Seattle), 39-41; Michigan, 41-42, instr., 46-48; asst. prof., Buffalo, 48-49; Washington (St. Louis), 49-55, prof., 56-63; PROF. FINANCIAL ACCT., SCH. BUS. ADMIN., STATE UNIV. N.Y. BUFFALO, 63-, chmn. dept. financial acct., 63-66, dean sch. bus. admin., 64-68. Mem., Washington Univ. mgt. develop. team, Korea, summer 59 & chief party, univ. proj., Seoul, 60-62; mem., Pa. Dept. Pub. Instr. visitation teams to Shippensburg State Col., 68, Bloomsburg State Col., 67 & Clarion State Col., 68; Agency Int. Develop. proj. consult., Paraguay, 67. U.S.N.R., 42-46, Lt. Am. Acct. Asn. (v-pres, 59); Econ. Asn; Finance Asn; Inst. Cert. Pub. Acct; Financial Execs. Inst; Nat. Asn. Acct. Financial accounting; accounting valuation measurements; control information systems; role of schools of business administration. Publ: Quasi-reorganization, Bur. Bus. Res., Univ. Michigan, 58; co-auth, Fundamentals of accounting, Henry Holt, 59; contrib., Accountants' handbook, Ronald, 56. Address: School of Business Administration, State University of New York at Buffalo, Buffalo, N.Y. 14214.

SCHIPPER, DR. LEWIS, b. Ozorkow, Poland, Oct. 6, 19; U.S. citizen; m. 49; c. 2. ECONOMICS. B.A., Wayne State, 58, M.A., 58; Ph.D. (econ.), Michigan, 62. Lectr. econ., Huron Col. (Ont.), 61-62; asst. prof., Rutgers, 62-63; res. economist, State Hawaii, 64; ASSOC. PROF. ECON., Tuskegee Inst., 64-65; HOWARD, 65- Co-dir., econ. opportunity feasibility study sponsored by Off. Econ. Opportunity res. grant to Howard Univ., summer 65, 66. Econ. Asn. Macro-economic theory; quantitative economics; economics of poverty and guaranteed employment. Publ: Consumer discretionary behavior, N. Holland Pub. Co., 64; An experimental econometric model of Hawaii, State Dept. Planning & Econ. Develop., Hawaii, 64; A guaranteed employment system in the United States, Howard Univ., 67. Address: Dept. of Economics, Howard University College of Liberal Arts, Washington, D.C. 20001.

- SCHIPPER, PROF. LOWELL, b. Milwaukee, Wis. Dec. 20, 26. PSYCHOLOGY. B.S. Wisconsin, 49, M.S. 51, Ph.D. (psychol), 53. Res. assoc. aviation psychol, Ohio State, 53-56; instr. PSYCHOL, Kansas State, 56-57, asst. prof, 57-60; Rutgers, 60-61; PA. STATE, 61-62, ASSOC. PROF, 62- Summer assoc, Boeing Co, Wash, 61. Consult, continuous progress prog, Bucknell. Fel. AAAS; Psychol. Assn; Statist. Assn; Psychomet. Soc; Psychonomic Soc. Experimental psychology; human decision making; game theory; statistics. Publ: Co-auth, Personality variables in probability-learning, decision-making and risk taking, *Perceptual & Motor Skills*, 66; auth, Context effects in probability learning and decision-making, *Psychol. Reports*, 66; Extreme probabilities in learning and decision making, *J. Exp. Psychol.*, 67. Address: Dept. of Psychology, 10 Burrows Bldg, Pennsylvania State University, University Park, Pa. 16802.
- SCHIRBER, MARTIN E (DWARD), O.S.B, b. Herreid, S.Dak, June 23, 07. AGRICULTURAL ECONOMICS. A.B. St. John's (Minn), 31; A.M. Catholic Univ, 36; Ph.D. Harvard, 40. INSTR. ECON. ST. JOHN'S (MINN), 39-, dean, 43-52. V-pres, Am. Benedictine Acad, 48-56, pres, 56-61. Econ. Assn. Cooperative movement in Nova Scotia; economics of cooperation; inflation and the common man; farm policy. Address: Dept. of Economics, St. John's University, Collegeville, Minn. 56321.
- SCHISLER, DR. DALE R (ICHARD), b. Bethlehem, Pa, Dec. 4, 37; m. 63; c. 1. PSYCHOLOGY. B.S. Pa. State, 59; U.S. Pub. Health Serv. fel, Chicago, 62, Ph.D. (biopsychol), 64. U.S. Pub. Health Serv. res. fel. PSYCHOL, center cognitive studies, Harvard, 64-65; ASST. PROF, NORTHEASTERN, 65- Psychol. Assn. Interocular transfer; eye movements; psychometric scaling. Address: Dept. of Psychology, Northeastern University, Boston, Mass. 02115.
- SCHKADE, DR. LAWRENCE L, b. Port Arthur, Tex, July 31, 30; m. 54; c. 2. MANAGEMENT & COMPUTER SCIENCE. B.B.A. Lamar State Col, 56; M.B.A. La. State, 57, Sperry-Hutchinson Co. fel, 59-60, Ph.D. (appl. statist), 61. Asst. to electronic acct. mach. mgr, Int. Bus. Mach. Corp, 52-53; asst. appl. statist, La. State, 56-57, asst. prof. bus. statist. & mgt, 61-63; asst. dean men, Lamar State Col, 57-59; asst. prof. mgt, Southwestern Louisiana, 60-61; bus. statist, Texas, Austin, 63-64, assoc. prof. bus. statist. & mgt, 64-66, bus. statist. & comput. sci, 66-67; PROF. BUS. ADMIN, NORTH TEXAS STATE, 67- Ford Found. summer res. fcls, Chicago, 62 & California, Berkeley, 65; vis. prof, Monterrey Inst. Tech, Mex, 66-67. Statist. consult, Dow Chem. Co, La, 61-63; George Menefee & Assoc, Baton Rouge, 62-63; consult, LTV Aerospace Corp, 67- U.S.A.F, 48-52, S/Sgt. Statist. Assn; Acad. Mgt; Opers. Res. Soc. Am; Inst. Mgt. Sci. Theory of economic choice; stochastic learning experimentation; computer simulation of systems and stochastic processes; optimization using linear and nonlinear models. Publ: Vectors and matrices, C.E. Merrill, 67; co-auth, Statistical methods for business decisions, South-Western Pub, 68 & Information and rational choice, *J. Commun*, 6/68. Address: Box 13526, NT Station, Denton, Tex. 76203.
- SCHLAIFER, PROF. ROBERT, b. Vermillion, S.Dak, Sept. 13, 14; m. 40; c. 2. BUSINESS ADMINISTRATION. A.B. Amherst Col, 34; Ph.D. (hist), Harvard, 40. Instr. hist, HARVARD, 40-43, physics, 43-45, res. fel, BUS. ADMIN, 46-48, asst. prof, 48-51, assoc. prof, 51-56, PROF, 56- Assoc. prof, Pa. State, 45-46. Consult, Curtiss-Wright Corp, 52-54; Gen. Foods Corp, 54-56; Scott Paper Co, 56-58; Schering Corp, 58-62. Business applications of statistics. Publ: Analysis of decisions under uncertainty; co-auth, Applied statistical decision theory; Introduction to statistical decision theory. Address: Harvard Business School, Boston, Mass. 02163.
- SCHLANGER, PROF. BERNARD, b. Newark, N.J., Mar. 12, 15; m. 47; c. 3. SPEECH PATHOLOGY, AUDIOLOGY. B.A. Wisconsin, 37, M.A., 39, Ph.D. (speech path), 52. Instr. speech, Brooklyn Col, 46-48; asst. prof, Marietta Col, 48-51; res. assoc. psychiatrist, Wisconsin, 52-53; dir. speech & hearing serv, Training Sch, Vineland, N.J. 53-58; assoc. prof. SPEECH, West Virginia, 58-59, PROF, 59-62; Ohio State, 62-67; CITY COL. NEW YORK, 67- Consult, state hosp.s. & agencies, Dept. Health, Ed. & Welfare, 65-; Vet. Admin, N.Y., 67- U.S.A., 42-45. Speech & Hearing Assn; Asn. Ment. Deficiency. Communicative disorders of mentally retarded; children's language development; language disorders of aphasia. Publ: The effects of listening training on the auditory thresholds of mentally retarded children, West Virginia Univ, 61; Speech therapy with mentally retarded children, *J. Speech & Hearing Disorders*, 8/58; Results of varying presentations to brain-damaged children of an auditory word discrimination test, *Am. J. Ment. Deficiency*, 11/58. Address: Dept. of Speech, City College of New York, 138th at Convent, New York, N.Y. 10031.
- SCHLANK, DR. MELVIN B (ERTRAM), b. Orange, N.J., Aug. 29, 24. CLINICAL PSYCHOLOGY. B.A. N.Y. Univ, 48; M.A. Harvard, 54; Ph.D., Brandeis, 62. Trainee clin. psychol, Vet. Admin. Training Prog, 48-53; psychologist, State Hosp, Foxboro Mass, 53-56; chief psychologist, ment. health center, Framingham, 56-64; ASST. CLIN. DIR, BROOKLINE MENT. HEALTH CLIN, 64- Consult, Framingham Schs, 60-61. U.S.A.A.F, 43-46. Psychol. Assn. Therapy; diagnostic testing; visual-manual development. Publ: Co-auth, Adaptation to optically increased distance between eye and hand, *J. Gen. Psychol.* Address: 43 Garrison Rd, Brookline, Mass. 02146.
- SCHLAUCH, PROF. GUSTAV H (ERMAN), b. Rochester, N.Y., Dec. 19, 90; m. 19; c. 2. SOCIOLOGY. A.B. Spokane, 19; A.M. Washington (Seattle), 26, Ph.D., 32. Supt. pub. schs, Wash, 19-30; prof. ed. & sociol, Spokane, 31-33; pres, Spokane Jr. Col, 33-42; prof. SOCIOL. & head dept, WHITWORTH COL, 42-64, EMER. PROF, 64-; PROF. SOCIOL. & ED, SPOKANE COMMUNITY COL, 64- Public junior colleges in Washington; elementary statistics for the social sciences. Address: N. 5324 Madison St, Spokane, Wash. 99208.
- SCHLEICH, DR. RUDOLF J, Mod. European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SCHLEICHER, PROF. CHARLES P, b. Ind, Jan. 15, 07; m. 34; c. 2. POLITICAL SCIENCE. A.B. Col. of Pacific, 28; A.M. Hawaii, 31; Royal Victor fel, Stanford, 32-34, Ph.D. 36. Instr. soc. sci, East Wash. Col, 37-39; from instr. to prof, Utah, 39-47; PROF. POLIT. SCI, OREGON, 47-, ASSOC. DIR, INST. INT. STUDIES & OVERSEAS ADMIN, 60- Field rep, off. secy war, U.S. Dept. War, 43-45; chief sect, cent. secretarial, U.S. Dept. State, 45-46; Fulbright prof, Allahabad, India, 54-55; Delhi, 62-63; Indian Sch. Int. Studies, New Delhi, 66-67. Polit. Sci. Assn; Asn. Asian Studies. International relations, South and Southeast Asia. Publ: Introduction to international relations; International relations, conflict and cooperation; co-auth, The administration of Indian foreign policy through the United Nations, Syracuse Univ, 68. Address: Dept. of Political Science, University of Oregon, Eugene, Ore. 97403.
- SCHLENDER, DEAN WILLIAM E (LMER), b. Sawyer, Mich, Oct. 28, 20; m. 56. INDUSTRIAL RELATIONS. A.B. Valparaiso, 41; M.B.A. Denver, 47; Ph.D., Ohio State, 55. Asst. employ. mgr, U.S. Rubber Co, Ind, 41-43, asst. to supvr. indust. rels, 46; asst. prof. mgt, Bowling Green State, 47-50, assoc. prof, 50-53; consult, Northwest Ohio Indust. Coun, 53-54; asst. prof. mgt, Ohio State, 54-57, assoc. prof, 57-61, prof, 61-65, assoc. dean col. commerce & admin, 59-63; prof. mgt, Texas, Austin, 65-68, chmn. dept, 66-68; DEAN COL. BUS. ADMIN, CLEVELAND STATE, 68- Vis. assoc. prof, Columbia, 57-58; summers, vis. asst. prof, Denver, 49. U.S.A., 43-45, Sgt. Indust. Rels. Res. Assn; Acad. Mgt; Econ. Assn; Inst. Mgt. Sci; Acad. Polit. & Soc. Sci. Administrative, personnel and industrial relations management; organization theory. Publ: Co-auth, Elements of managerial action, Irwin, 60, rev. ed, 65; Management in perspective: selected readings, Houghton, 65; ed, Executive leadership in a dynamic society, Ohio State Univ, 65. Address: Cleveland State University College of Business Administration, Cleveland, Ohio 44115.
- SCHLER, DR. DANIEL J, b. Boonville, Mo, July 9, 28; m. 52; c. 4. SOCIOLOGY. B.S. Missouri, 51, M.S. 58, Ph.D. (sociol), 66; B.D. Eden Theol. Sem, 55. Teacher, Versailles High Sch, 51; asst. to supt, Evangelical Children's Home, 52-53; agr. rural develop. missionary, Bd. Int. Missions Evangel. & Reformed Church, 55-57; from instr. to assoc. prof. community develop & acting chmn. dept. regional & community affairs, Missouri, 58-67, proj. dir. Peace Corps training, 64-65, 66-67; DIR. BUR. COMMUNITY SERV, UNIV. COLORADO, 67, ASSOC. DIR. CENTER URBAN AFFAIRS, 68- From res. fel. to sr. res. fel. evaluating poverty, Soc. Private Land Develop, Inst. Community Studies, 66-67; lectr. & consult, Off. Econ. Opportunity progs, 66-67. Consult, Peace Corps community develop. training progs, 63-66. Sociol. Soc; Soc. Study Social Probs. Land use transformation and urban development; sociology of planned change programs, sociology of poverty. Address: Room 600, University of Colorado, Denver Center, 14th & Arapahoe, Denver, Colo. 80202.
- SCHLERETH, PROF. JOHN C (HARLES), b. Brooklyn, July 29, 15. SOCIOLOGY. A.B. St. Francis, Col. (N.Y.), 38; M.S. Fordham, 47, Ph.D. 58. Instr. sociol, ST. PETER'S COL, 47-50, asst. prof, 50-57, assoc. prof. SOCIOL, 58-68, PROF. & CHMN. DEPT, 68- Sociol. Assn. Sociological theory; criminology; political sociology. Publ: Co-auth, General sociology. Address: 42-43 161st St, Flushing, N.Y. 11358.
- SCHLESINGER, DR. EUGENE R (ICHARD), b. New York, N.Y., Mar. 19, 25; div; c. 4. ECONOMICS. A.B. Harvard, 47, A.M. 48, Ph.D. (econ), 50. Economist, Fed. Reserve Bank of N.Y., 48-52; Int. Bank Reconstruct. & Develop, 52-54; asst. prof. econ, N.Y. Univ, 54-60, assoc. prof, 60-64; chief economist, U.S.-P.R. Cmn. States of P.R., 64-66; LECTR, ECON. DEVELOP. INST, INT. BANK RECONSTRUCT. & DEVELOP, 66- Ford faculty res. fel, 60-61. Consult, Econ. Cmn. for Latin Am, 50-51; fiscal div, dept. econ. affairs, UN, 51, fiscal & financial br, 62-63; U.S. Maritime Admin, 62-63. U.S.N.R., 43-46, Lt. (jg). International trade and investment; economic development; public finance and fiscal policy. Publ: Multiple exchange rates and economic development; co-auth, Public finance and economic development in Guatemala; Pattern of United States import trade since 1923. Address: 2301 E St. N.W., Washington, D.C. 20037.
- SCHLESINGER, DR. HERBERT J (ULIUS), b. New York, N.Y., Oct. 22, 21; m. 51; c. 2. PSYCHOLOGY. A.B. Brooklyn Col, 42; Ph.D. (psychol), Kansas, 53. Sr. asst. res. dept, MENNINGER FOUND, 47-50, assoc. psychologist, DEPT. ADULT PSYCHIAT, 50-53, SR. CHIEF PSYCHOLOGIST, 53-, INSTR. SCH. PSYCHIAT, 54- Instr. Topeka Inst. Psychoanal, 54-, training analyst & secy, 61- Clin. psychol. intern, Winter Vet. Admin. Hosp, 46-50. Mem. ment. health A study sect, div. res. grants, Nat. Inst. Ment. Health, 62-66; Center Adv. Psychoanal. Studies Group 2, Princeton, N.J., 63- Sig. C., U.S.A., 42-46. AAAS; Psychol. Assn; Orthopsychiat. Assn. Application of psychoanalytic principles to psychiatric hospital treatment; methodology of clinical and experimental investigation in psychoanalysis; teaching and supervision of psychotherapy and psychoanalysis. Publ: Cognitive attitudes in relation to susceptibility to interference, *J. Personality*; Hypothesis-oriented research in psychopharmacology, In: *Psychopharmacology: problems in evaluation*; co-auth, The psychiatric hospital physician and his patient, In: *The patient and the mental hospital*. Address: Menninger Foundation, Box 829, Topeka, Kans. 66601.
- SCHLESINGER, DR. JAMES RODNEY, b. New York, N.Y., Feb. 15, 29; m. 54; c. 7. ECONOMICS. A.B. Harvard, 50, fel, 51-55, A.M. 52, Ph.D. (econ), 56. Asst. prof. econ, Virginia, 55-58, assoc. prof, 58-63; MEM. SR. STAFF, RAND CORP, 63-, DIR. STRATEGIC STUDIES, 67-, consult, 62-63. Assoc. for. policy res. inst, Pennsylvania, 62-63. Consult, Naval War Col, 57; adv. Cmn. Money & Credit, 59-60; consult, bd. gov. Fed. Reserve Syst, 62-63; U.S. Bur. Budget, 65- Econ. Assn. National security analysis and policy; monetary and fiscal policy. Publ: Political economy of national security, Praeger, 60; co-auth, Issues in defense economics, Columbia, 67 & Nuclear spread, Yale Rev, fall 67. Address: Rand Corp, 1700 Main St, Santa Monica, Calif. 90406.
- SCHLESINGER, PROF. JOSEPH A (BRAHAM), b. Boston, Mass, Jan. 4, 22; m. 51; c. 1. POLITICAL SCIENCE. A.B. Chicago, 42; A.M. Harvard, 47; fel, Wesleyan, 52-53; Ph.D. (polit. sci), Yale, 55. Instr. soc. sci, Boston, 47-49; asst. POLIT. SCI, Yale, 50-52; instr, MICH. STATE, 53-56; asst. prof, 56-58, assoc. prof, 58-63, PROF, 63- Soc. Sci. Res. Coun. grant, 57-58; vis. prof, California, Berkeley, 64-65. U.S.A., 42-45. Polit. Sci. Assn. American political parties; political leadership; comparative politics. Publ:

How they became governor; Ambition and politics, Rand McNally, 66. Address: Dept. of Political Science, Michigan State University, East Lansing, Mich. 48823.

SCHLESINGER, DR. KURT, Psychol, see 11th ed, Phys. & Biol. Vols.

SCHLESINGER, DR. LAWRENCE ERWIN, b. Boston, Mass, Sept. 10, 21; m. 61; c. 2. SOCIAL PSYCHOLOGY. B.S. Boston, 43; M.A. 48, Sigmund Livingston Found. fel, 50-51, Ph.D.(soc. psychol), 55. Instr. psychol, sch. pub. rels, Boston, 49-51; res. assoc, center int. studies, Mass. Inst. Tech, 51-52; res. scientist, HumRRO, George Washington, 52-55; lectr. psychol, exten. serv, Michigan, 56-58, res. assoc, res. center group dynamics, inst. soc. res, 55-59; asst. prof. soc. sci, Monteith Col, Wayne State, 59-60; assoc. res. prof. psychol. & dir. driver behav. res. proj, George Washington, 61-66; prof. psychol. U.S. Naval Acad, 66-67; CONSULT. PSYCHOLOGIST, 67- Intern, Inst. Appl. Behav. Sci, Nat. Training Labs, 67. Mem. hwy. users cmt, Hwy. Res. Bd, Nat. Acad. Sci-Nat. Res. Coun, 62- U.S.A., 42-46. Psychol. Asn; Soc. Psychol. Study Social Issues. Group dynamics; language and communication; organization theory. Publ: Is there a teenage driver in your house? Signet, New Am. Library, 67; Using United States training in the Philippines; Leader member interaction in management committees, J. Abnorm. & Soc. Psychol. Address: 3210 Woodhollow St, Chevy Chase, Md. 20015.

SCHLESINGER, DR. THOMAS O, b. Berlin, Germany, June 11, 25; U.S. citizen; m. 56; c. 2. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.S. Maryland, 58; M.A., American Univ, 66, Ph.D.(int. rels), 67. ASST. PROF. POLIT. SCI. STATE UNIV. N.Y. COL. FREDONIA, 67- U.S.A., 43-64, Maj. Polit. Sci. Asn; Acad. Polit. Sci; Acad. Polit. & Soc. Sci. International law and organization; American foreign policy; politics of Western Europe; Austrian neutrality of postwar Europe. Address: 193 Central Ave, Fredonia, N.Y. 14063.

SCHLESSELMAN, PROF. G(EOGE) W, b. Victor, Iowa, Mar. 9, 03; m. 30; c. 2. GEOGRAPHY. B.A. Iowa State Teachers Col, 27; M.A. Clark, 28; Inst. Int. Ed. fel, Zurich, 28-29; Ph.D.(geog), Nebraska, 35. Assoc. prof. agr. econ, TEXAS A&M, 34-37, PROF. GEOG, 38-, head dept, 45-65, assoc. dean arts & sci, 59-65. AAAS; Asn. Am. Geog; Am. Geog. Soc. Resources of Texas. Address: Dept. of Geology & Geography, Texas A&M University, College Station, Tex. 77843.

SCHLESSER, PROF. GEORGE E(RNEST), b. Portland, Ore, Apr. 12, 07; m. 38; c. 1. EDUCATIONAL PSYCHOLOGY. B.S. Oregon, 30, fel, 30-31, M.A. 31, summer, Stanford, 33; fel, Yale, 35-37, Ph.D.(ed. psychol), 37. Teacher, high schs, Ore, 31-32, teacher & dir. res, 32-35; instr. ED. PSYCHOL, COLGATE, 37-39, asst. prof, 39-43, assoc. prof, 43-49, PROF, 49-, chmn. dept. ed, 39-67, dir. summer progs, 50-67. Col. Entrance Exam. Bd. res. grant, 59-62; summers, vis. lectr, Michigan, 38, San Diego State Col, 48. Psychol. Asn; Ed. Res. Asn. Development of special abilities; non-intellective factors related to school and college success; test construction; study of forces influencing change and attitudes toward change through effective introduction innovations by schools. Publ: Personal values inventory; co-auth, Handbook on the measurement of academic motivation, Colgate Univ, 67; auth, Organizing community forums, Sch. & Soc. Address: 28 Payne St, Hamilton, N.Y. 13346.

SCHLISSER, DR. HERBERT F(REDERICK), b. Fullerton, Nebr, June 22, 25; m. 61; c. 1. SPEECH PATHOLOGY, AUDIOLOGY. B.Sc. Nebraska, 54, M.A. 60; Ph.D.(speech path), Iowa, 65. Speech pathologist, Iowa, 61-64; ASST. PROF. SPEECH PATH, NEBRASKA, LINCOLN, 64-, DIR. SPEECH & HEARING CLIN, 65- Speech pathologist, Lincoln & North Platte Oral Plastic Clins, 65- Speech & Hearing Asn; Cleft Palate Asn; Coun. Except. Children. Contribution of oral-tactile sensation for speech emission; speech and language of cerebral palsied individuals. Publ: Co-auth, Effectiveness of certain procedures for alterations of auditory and oral-tactile sensation for speech, Perceptual & Motor Skills, 26: 275-281; auth, Information transmission and ethos of a speaker using normal and defective speech, Cent. States Speech J, (in press). Address: 2905 S. 27th St, Lincoln, Nebr. 68502.

SCHLOSBERG, PROF. HAROLD, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 64.

SCHLOSS, DR. HENRY H, b. July 1, 19; U.S. citizen. ECONOMICS. A.B. Nebr. Wesleyan, 46; Chicago, 46; Leeds, 48; M.B.A. Columbia, 48, Ph.D. 53. Asst. prof. int. trade, Texas, 49-51; instr. econ, Washington (St. Louis), 51-53, asst. prof, 53-61; vis. assoc. prof. BUS. ECON. & INT. TRADE, GRAD. SCH. BUS. ADMIN. SOUTHERN CALIFORNIA, 61-64, ASSOC. PROF. & DIR. CENTER INT. BUS. RES, 64- Fulbright vis. prof, Dacca, 54-55; Bombay, 59-60; adv. Inst. Bus. Admin, Karachi, 62-63; summer fel, N.Y. Univ, 66. U.S.A., 42-45. Am. Econ. Asn; Acad. Polit. & Soc. Sci; Asn. Asian Studies; Soc. Int. Develop; Asn. for Ed. Int. Bus; Royal Econ. Soc; Brit. Asn. Adv. Sci; Indian Econ. Asn; Pakistan Econ. Asn. International trade; economic development in South Asia; European trade; international business and finance; Western Europe and South Asia; the common market; the public and the private sectors. Publ: The bank for international settlements, North Holland Pub. Co, 58; The role of the private sector in the Indian economy, In: Studies on Asia, Nebraska Univ, 62; Changing world politics and American business, Reprint 5, Res. Inst. Bus. & Econ, Univ. Southern California, 66. Address: Dept. of Business Economics, Graduate School of Business Administration, University of Southern California, Los Angeles, Calif. 90007.

SCHLOSS, SAMUEL, b. Poland, Feb. 1, 12; nat. m. 38. STATISTICS. B.S.S. City Col. New York, 32, M.S. 33; American Univ, 36-37. Indust. classification specialist, Soc. Security Bd, 36-42; econ. analyst, Off. Price Admin, 42-43; econ. analyst, Fed. Trade Cmn, 46-47; statistician, off. adminstr, Vet. Admin, 48-51; chief jurisdiction & distribution br, Off. Price Stabilization, 51-53; specialist ed. statist, off. ed, U.S. Dept. Health, Ed. & Welfare, 54-67; ED. CONSULT, 67- U.S.A.A.F., 43-46. Industry and commodity classification; economic and statistical analysis; educational statistics and finance. Publ: Contrib. Statistics of state school systems, 1963-1964, Fall 1966, statistics of public schools & Directory of public school systems, 1966-1967. Address: 9515 Pin Oak Dr, Silver Spring, Md. 20910.

SCHLOSSER, DR. JOHN R(OLLAND), b. Plankinton, S.Dak, Nov. 25, 19; m. 42; c. 2. CLINICAL PSYCHOLOGY. A.B. South Dakota, 41; Ph.D.(clin. psychol), Stanford, 51. Asst. chief opera, clin. psychol. serv, Vet. Admin. Hosp, Palo Alto, Calif, 49-52, dir. chronic patient treatment pilot study, Perry Point, Md. 52-55, chief clin. psychol. serv, Sepulveda, Calif, 55-58, dir, 58-61; ASSOC. HEDRICK & STRUGGLES, INC, 61- Assoc. clin. prof, California, Los Angeles, 56-61; prof, San Fernando Valley State Col, 60-61. U.S.A., 41-46, Res. 46-, Lt. Col. Psychol. Asn. Socio-psychological treatment approaches to neuropsychiatric patients; geriatrics; the application of principles of psychology to hospital administration and management. Publ: Investigation of examiner influence on results of Rorschach examinations, Stanford Univ. Bull; co-auth, Comparison of Wechsler's deterioration ratio in psychoneurosis and schizophrenia, J. Consult. Psychol; Pilot study for the treatment of chronic patients' interim report, Info. Bull. Address: Heidrick & Struggles Inc, 445 S. Figueroa St, Los Angeles, Calif. 90017.

SCHLOSSER, DR. ROBERT E, b. May 22, 28; m. c. 7. ACCOUNTING, FINANCE. B.S. Notre Dame, 50; M.S. Illinois, 51, Ph.D.(acct. finance), 55. Grad. asst, Illinois, 50-53, instr, 54-55, asst. prof, 56-59, assoc. prof, 59-65, prof, 65-66; PROF. FINANCIAL ACCT. & CHMN. DEPT. STATE UNIV. N.Y. BUFFALO, 66- Controller, St. John's Hosp, 55-56; part-time acct, G.D. Brighton, 56-63; private consult. acct. syst. design, 68-64; nat. dir. prinl. develop, Price Waterhouse & Co, 64-66. Inst. Cert. Pub. Acct; Acct. Asn; Nat. Asn. Acct; Financial Execs. Inst. Electronic data processing for business; accounting systems theory; problems in cost administration. Publ: Co-auth, 13 studies in modern accounting, 63, Management services handbook, 64 & Accounting and the computer, 66, Am. Inst. Cert. Pub. Acct. Address: 138 Carriage Circle, Williamsville, N.Y. 14221.

SCHLUDERMANN, DR. EDUARD HARRY, b. Wien, Austria, Dec. 29, 37; Can. citizen; m. 65. PSYCHOLOGY. B.Sc. Manitoba, 59, M.A. 61; Ph.D.(psychol), Chicago, 66. ASST. PROF. PSYCHOL, MANITOBA, 65- Can. Ment. Health res. grant, 67-70. Psychological consequences of human brain damage; evaluation of aging by neuropsychological tests. Publ: Age changes in pain sensitivity, Perceptual & Motor Skills, 62. Address: 314-1650 Pembina Highway, Winnipeg 19, Man, Can.

SCHMADEL, DR. ELNORA, b. Evansville, Ind, Aug. 6, 17. EDUCATIONAL PSYCHOLOGY, GUIDANCE. A.B. Indiana, 42; M.S. Southern California, 50, Ed.D. 60. Sr. interviewer, State Employ. Serv, Ind, 42-47; v-pres, Schmaedel Packing & Ice Co, 47-48; teacher & psychologist, Excelsior High Sch, Norwalk, Calif, 50-54; psychologist, Ranchito Sch. Dist, Pico, 55-58; res. consult, gifted child study proj, State Dept. Ed, Calif, 58-59; psychologist & dir. res. & guid, San Gabriel Sch. Dist, 60-65; assoc. psychologist, Inst. Therapeut. Psychol, 65-67; PRACTICING PSYCHOLOGIST, 67- Instr, California, Los Angeles, 62-; California, Irvine, 65- Consult, Ed. Serv. Corp, D.C. 67- Mem. Nat. Roster Sci; Nat. Sci. Found, 61- Psychol. Asn. Psychological services in public schools. Publ: Relationship of creative thinking abilities to school achievement; Comparison of performances of gifted and non gifted children on selected measures of creativity. Address: 1535 E. 17th St, Suite D, Santa Ana, Calif. 92701.

SCHMANDT, PROF. HENRY J, b. St. Louis, Mo, Feb. 21, 18; m. 41; c. 3. POLITICAL SCIENCE. B.S. Washington (St. Louis), 46; Ph.D.(polit. sci), St. Louis, 50; Columbia, 50-51. Asst. prof. polit. sci, Detroit, 51-53; assoc. prof, St. Louis, 53-59; assoc. prof. URBAN AFFAIRS, & chmn. dept, WISCONSIN, MILWAUKEE, 59-66, PROF. 66- Asst. dir, State Reorgn. Cmn, Mo, 54-55; dir, Metrop. Community Studies, Dayton, Ohio, 58-59; chmn. Southeast. Wis. Regional Planning Cmn, 60-61. Polit. Sci. Asn; Soc. Pub. Admin. Development of new techniques for inquiry in urban government and politics. Publ: Metropolitan reform in St. Louis; The metropolis, Milwaukee Metropolitan Study Commission: a case study. Address: Dept. of Urban Affairs, University of Wisconsin, Milwaukee, Wis. 53201.

SCHMEIDLER, PROF. GERTRUDE R(AFFEL), b. N.J., June 15, 12; m. 37; c. 4. PSYCHOLOGY. B.A. Smith Col, 32; scholar, & M.A. Clark, 33; scholar, & Ph.D.(psychol), Radcliffe Col, 35. Asst. statist, Found. Neuro-Endocrine Res, 32-33; instr. psychol, Monmouth Jr. Col, 35-37; res. asst, Harvard, 42-44, Hodgson Fund researcher, 42-51; from instr. to PROF. PSYCHOL, CITY COL. NEW YORK, 45- Lctr, Found. Integrated Ed, 53. 54. Consult. Barnard Col, 50-55. William McDougall award, 64. Psychol. Asn; Parapsychol. Asn.(pres, 59). Social and personality; parapsychology; perception and memory. Publ: Co-auth, ESP and personality patterns; auth, Extrasensory perception, Atherton, in press; Evidence for two kinds of telepathy, Int. J. Parapsychol. Address: 17 Kent Ave, Hastings-on-Hudson, N.Y. 10706.

SCHMELTZ, PROF. WILLIAM F(REDERICK), b. Toledo, Ohio, Nov. 30, 24; m. 48; c. 4. ECONOMICS, ACCOUNTING. B.B.A. Toledo, 45; M.B.A. Harvard, 47; Ohio State, 53-54; Ph.D.(econ), Case Western Reserve, 66. Chmn. dept. acct, BOWLING GREEN STATE, 54-60, dean col. bus. admin, 60-67, PROF. QUANT. ANAL. & CONTROL, 67- Owner, Wm. Schmeltz & Assocs, 50-; dir, Bank of Wood County, 57-; dir. & treas, Seeger Brass Co, 66- Consult, Ohio Oil Co, 56; Owens Ill. Glass Co, 57-58; Bendix, 68. U.S.N.R. 42-46, Lt.(jg). Econ. Asn; Financial Exec. Inst; Am. Acct. Asn; Nat. Asn. Acct; Inst. Cert. Pub. Acct. Impact of inventory valuation techniques on comparability of financial statement; management information systems; incremental cost determinations for petroleum refiners. Publ: Co-auth, Principles of accounting; auth, Accounting and management control practices in petroleum refining, Standard Oil Co. Ohio, 67. Address: 854 Scott Blvd, Bowling Green, Ohio 43402.

SCHMID, DR. A. ALLAN, b. Dawson, Nebr, Mar. 12, 35; m. 56; c. 2. AGRICULTURAL ECONOMICS. B.S. Nebraska, 56; M.S. Wisconsin, 57, fel, 58-59, Ph.D.(agr. econ), 59. Asst. prof. agr. econ, MICH. STATE, 59-64, ASSOC. PROF. AGR. ECON. & RESOURCE DEVELOP, 64- Vis. scholar, Resources for the Future, Inc, 64-65. Consult. econ. res. serv, U.S. Dept. Agr, 65. Economics of land and water resource use; agricultural policy; economic development; conservation; regional resource planning; program planning and budgeting systems. Publ: Contrib. Economics and management in agriculture; auth, Converting land from rural to urban uses, Hopkins Univ. Press, 68; Nonmarket values and efficiency of public investments in water re-

sources, *Am. Econ. Rev.* 5/67. Dept. of Agricultural Economics, Michigan State University, East Lansing, Mich. 48823.

SCHMID, PROF. CALVIN F (ISHER), b. Dayton, Ohio, Dec. 7, 01. SOCIOLOGY. A.B. Washington (Seattle), 25, fel. 25-26; Ph.D. Pittsburgh, 30. Assoc. Washington (Seattle), 26-28; instr. Pittsburgh, 28-31; asst. prof. Minnesota, 31-37; assoc. prof. SOCIOL. WASHINGTON (SEATTLE), 37-41, PROF. 41-, dir. off. pop. res. 49-68. Vis. prof. Michigan; Southern California, California, Los Angeles; Northwestern; Hawaii. Exec. secy. & chmn. State Census Bd. Wash, 43-67; & chmn. cmnts. Soc. Sci. Res. Coun; mem. tech. adv. cmn. U.S. Bur. Census; mem. grad. rec. exec. cmn. West. Interstate Cmn. Higher Ed. Res. analyst, Wartime Civil Control Admin. 42. Fel. AAAS; Pop. Asn. (pres. 66); Sociol. Res. Asn. (secy-treas. 54, pres. 55); fel. Sociol. Asn. (asst. ed. Rev); fel. Statist. Asn; Int. Union Sci. Study Pop. Demography; ecology; methodology. Publ: Handbook of graphic presentation; Social saga of Two Cities; Social trends in Seattle. Address: Dept. of Sociology, University of Washington, Seattle, Wash. 98105.

SCHMID, CARL G (GEORGE), Econ, see 10th ed, Soc. & Behav. Vols.

SCHMID, PROF. JOHN, b. Milwaukee, Wis, Apr. 17, 20; m. 48; c. 3. EDUCATION. B.S. Wisconsin, 45, M.S. 46, Ph.D. (ed), 49. Asst. prof. bd. exam. Mich. State, 49-52; personnel selection & eval. psychologist, Air Force Personnel & Training Res. Center, 52-57; PROF. ED, ARKANSAS, 57-U.S.A.A.F. 41-43, 2nd Lt. Psychomet. Soc. Psychology; statistics. Publ: Evaluation of the tests of general education development; Direct rotation to primary structure, J. Exp. Ed; Hierarchical factor solutions, Psychometrika. Address: Dept. of Education, Graduate School, University of Arkansas, Fayetteville, Ark. 72701.

SCHMID, PROF. MERLE D, Indust. Eng, Statist, see 11th ed, Phys. & Biol. Vols.

SCHMID, DR. ROBERT C, Sociol, see 10th ed, Soc. & Behav. Vols.

SCHMIDBERG, DR. MELITTA, nat. PSYCHIATRY, CRIMINOLOGY. M.D. Berlin, 29; N.Y. Univ. 56. Prof. psychiat. Adelphi Col. 49-51; dir. clin. serv. ASN. PSYCHIAT. TREATMENT OFFENDERS, 50-61, PRES. 61-, EUROPEAN ED, INT. J. OFFENDER THER, 66- Royal Medico-Psychol. Asn. Legal, child and social psychiatry. Publ: Children in need, 49; Tolerance in upbringing and its abuses, Int. J. Soc. Psychiat; Offender's attitude to punishment, J. Criminal Law, Criminol. Address: 199 Gloucester Place, London N.W. 1, Eng.

SCHMIDHAUSER, PROF. JOHN R (ICHARD), b. New York, N.Y., Jan. 3, 22; m. 52; c. 6. POLITICAL SCIENCE. B.A. Delaware, 49; M.A. Virginia, 52, fel. & Ph.D. (polit. sci), 54. Instr. Virginia, 52-54; polit. sci. Iowa, 54-60; assoc. prof. 60-61, prof. 61-65; congressman, U.S. House Reps, 65-67; PROF. POLIT. SCI, IOWA, 67- U.S.N. 41-45. Constitutional law; American federalism: comparative federalism; judicial behavior. Publ: The Supreme Court as arbiter of federal-state relations; The Supreme Court: its politics, personalities and procedures; Constitutional law in the political process, Rand McNally, 64. Address: 1112 E. Court St, Iowa City, Iowa 52240.

SCHMIDT, ALVIN R (AYMOND), b. Boston, Mass, Jan. 21, 21; m. 46; c. 4. EDUCATIONAL PSYCHOLOGY. A.B. Tufts, 48. Instr. psychol. Newton Jr. Col. 48-51; ed. psychol. TUFTS, 51-53, dir. counseling & asst. dir. student personnel, 53-62, asst. dean men, 60-62, DEAN MEN, 62- Ed. Harvard Ed. Rev. 48-50. U.S.A.A.F. 41-45, Sgt. Psychol. Asn. Psychology of human learning; assessment of intellectual functioning; personality assessment. Address: Tufts University, Medford, Mass. 02155.

SCHMIDT, PROF. A (DREW) B (ECKER), b. Kans, Oct. 12, 85; m. 13; c. 4. ECONOMICS. A.M. Oberlin Col. 13; Ohio State. Prof. hist. & soc. sci, Bethel Col. 14-19; ECON. ARIZONA, 22-66, EMER. PROF. 66- Econ. Asn; Acad. Polit. & Soc. Sci. Economic history and theory. Address: 2922 E. Helen St, Tucson, Ariz. 85716.

SCHMIDT, DR. BERNARDINE G (ENEVIEVE), b. Chicago, Ill, Aug. 5, 16. SOCIOLOGY. B.S. De Paul, 41, M.A. 42; fel. Northwestern, 43-44, Ph.D. (sociol), 45. Head dept. spec. ed. & spec. ed. clins. State of Ind, 44-47; assoc. prof. Mississippi, 47-50; clin. psychologist, 50-51; asst. prof. Oregon, 51-52; De Paul, 52-54; nat. dir. communications training, Continental Cos, 54-56; dir. lang. arts, Follett Pub. Co, 56-60; chief ed. Cath. Dept. Laidlaw Bros, 60-62; asst. prof. ed. Cent. Mo. State Col. 62; asst. prof. ed. & dir. spec. ed. Nebr. State Teachers Col. Chadron, 62-63; asst. prof. SOCIOL. ST. LOUIS, 63-67, ASSOC. PROF. 67- Consult. Gov. of Ind, 46-47; Fed. Commun. Cmn, 50-51; lang. res. consult. Afton Dist. Schs, Mo, 63-; mgt. consult. Bell Tel. Co, 66. Psychol. Asn; Math. Asn. Feeble mindedness; language development and personality; community-personal relations; space age influences on language. Publ: Language development as an aid to social development, Ment. Hyg; Programmed learning material for PBX supervisors, Bell Tel. Co, 9/66; Evaluation scale for written language, Afton Dist. Schs, 1/67. Address: 469 Wildwood Pkwy, Manchester, Mo. 63011.

SCHMIDT, PROF. BLAINE G, b. Belleville, Ill, Aug. 7, 16; m. 38; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. B.S. Washington (St. Louis), 38, M.S. 40; Ph.D. (econ), St. Louis, 53; Command & Gen. Staff Sch, 64. Instr. bus. admin. St. Louis, 47-53; mkt. res. analyst, E.I. du Pont de Nemours & Co, 53-58; assoc. prof. bus. admin. & dir. bur. econ. & bus. res. DELAWARE, 58-64, PROF. BUS. ADMIN, 64-, CHMN. DEPT. 67- Consult. Sindlinger & Co, 55-; State Hwy. Dept. Del, 58-; mem. res. adv. cmt. Pen-jerdal Metrop. Prog, 60. U.S.A. 41-46, Res. 46-, Col. Mkt. Res. Asn; Mil. Govt. Asn. (v. pres. 57); Mkt. Asn; Regional Sci. Asn. Economic impact of highways on contiguous environments; advertising research; expectations and buying plans of consumers; computer programming of decision making processes. Publ: Ed. Mass transportation in Wilmington, Delaware, 65. Service marketing management, 66 & Highway impact study phase II, 67. Address: Dept. of Business Administration, University of Delaware College of Business & Economics, Newark, Del. 19711.

SCHMIDT, DR. CHARLES F, b. Salina, Kans, Mar. 29, 41; m. 64; c. 2. PSYCHOLOGY. B.A. Concordia Col. (Ind), 63; Nat. Defense Ed. Act fel. & M.A.,

Iowa, 65, NASA fel. & Ph.D. (soc. perception), 66. ASST. PROF. PSYCHOL, Iowa, 66-67; RUTGERS, 67- AAAS; Am. Psychol. Asn; Ling. Soc. Am. Social psychology; psycholinguistics; mathematical psychology. Address: Dept. of Psychology, Rutgers, The State University, New Brunswick, N.J. 08903.

SCHMIDT, DR. DONALD PHILLIP, b. Tacoma, Wash, Feb. 16, 23; m. 43; c. 2. CLINICAL PSYCHOLOGY. B.S. Washington (Seattle), 47, fel. 48-50, M.S. 50, Ph.D. (psychol), 53. Clin. psychol. trainee, ment. hyg. clin. Vet. Admin. Regional Off, 50-53; clin. psychologist, Vet. Admin. Hosp, Coatesville, Pa, 53-55; chief clin. psychologist & asst. clin. dir. Ment. Health Center, Knoxville, Tenn, 55-60; asst. dir. clin. serv. Harless & Kirkpatrick Assocs, Inc, 60-66, SR. CLIN. PSYCHOLOGIST, BYRON HARLESS, SCHAFFER, REID & ASSOCs, INC, TAMPA, 66- & RESIDENT DIR. CLIN. PSYCHOL, ST. PETERSBURG, 67- Consult. State Alcoholic Rehab. Prog, 60-66. Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.A. 43-46. Psychol. Asn. Application of learning theory to psychotherapy and psychopathology. Publ: The selection of psychiatric aides, Am. J. Psychiat. Address: 3106 Morrison Ave, Tampa, Fla. 33609.

SCHMIDT, PROF. E (DWARD) B (ENJAMIN), b. Fairbury, Nebr, Nov. 2, 00; m. 44. ECONOMICS. A.B. Nebraska Wesleyan, 22; M.A. Nebraska, 32, Ph.D. 41; Chicago; California. Instr. econ. & acct. NEBRASKA, 32-41, asst. prof. pub. finance, 41-42, 45-48, assoc. prof. 48-51, PROF. ECON. & PUB. FINANCE, 51-, chmn. dept. econ, 50-58. Tax consult, 45-48. U.S.A.A.F. 42-45, Lt. Econ. Asn. Am. Acct. Asn; Finance Asn; Tax Asn. Public finance; governmental accounting. Publ: Public finance for everyone: a collection of addresses, essays and reports, 67; Determining structural tax inequalities among business firms, Nebr. J. Econ. & Bus; Designing a federal-related income tax for Nebraska, Agr. Exp. Sta, Univ. Nebraska Col. Agr, 10/62. Address: 3310 Woodshire Pkwy, Lincoln, Nebr. 68502.

SCHMIDT, DR. EMERSON P (ETER), b. Tavistock, Ont, July 4, 99; nat. ECONOMICS. A.B. N. Cent. Col. 23; M.A. Toronto, 24; Ph.D. Wisconsin, 35. Asst. prof. econ. Marquette, 24-26; asst. Wisconsin, 26-28; asst. prof. Oregon, 28-30; assoc. prof. Minnesota, 30-42; chmn. Royal Cmn. Rural Electrification, Man. Can, 42-43; dir. econ. res. U.S. CHAMBER OF COMMERCE, 43-63, ECON. CONSULT, 63- Econ. Analyst, Govt. Alta. Can, 37-38; consult. & dir. employ. stabilization serv. Am. Legion, 38-42. Econ. Asn; Acad. Econ. & Polit. Sci; fel. Royal Econ. Soc. Employment stabilization; labor economics; economics of public utilities; inflation, unions and wage policy. Address: R.D. 1, Oakton, Va. 22124.

SCHMIDT, DR. GERHARD, b. Berlin, Germany, June 25, 02; nat. ECONOMICS. Dr. rer. pol, Berlin, 25. Statistician, Nat. Bur. Statist, Germany, 26-27; partner, Isr. Schmidt Sohne, Berlin-Frankfurt, 28-38; instr. Bergen Jr. Col, 46-54; asst. prof. FAIRLEIGH DICKINSON, 54-66, ASSOC. PROF. 66- Mem. Coun. Emigrés Professions; Inst. Mediterranean Affairs. Econ. Asn; Tiberina Acad. Sociology; languages; problems of money. Publ: Influences of the Islamic world on European civilization; Causes of industrial revolution; Civilization of colonies. Address: 203 W. 107th St, Apt. 8-B, New York, N.Y. 10025.

SCHMIDT, DR. HANS, JR, Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.

SCHMIDT, DR. HERMANN O (TTO), b. New York, N.Y., Nov. 18, 03; m. 42. PSYCHOLOGY. Ph.D. (psychol), Hopkins, 40. Assoc. prof. psychol, Connecticut, 46-68; LECTR. MENT. MEASUREMENT & GUID. COUNSR, PSYCHOL. CLIN. HOPKINS, 68- Vis. lectr. Conn. Col, 47. Chief clin. psychologist, Vet. Admin, Batavia, N.Y., 46; dir. psychol. labs, Norwich Hosp, Conn, 46-68. U.S.A.A.F. 41-46, Col. Fel. AAAS; fel. Psychol. Asn; fel. Orthopsychiat. Asn. Psychopathology; psychotherapy. Publ: Reliability of psychiatric diagnosis: a new look, J. Abnorm. & Soc. Psychol; Rorschach scores in the manic state & Rorschach behavior as an index of color anaesthesia, J. Psychol. Address: Johns Hopkins University, 1121 Ryegate Rd, Baltimore, Md. 21204.

SCHMIDT, PROF. J (ACOB) P (HILIP), Sociol, see 10th ed, Soc. & Behav. Vols, deceased 65.

SCHMIDT, DR. JOHN F, Sociol, see 10th ed, Soc. & Behav. Vols.

SCHMIDT, DR. JOHN L, b. Kenosha, Wis, Nov. 19, 23; m. 45; c. 3. SOCIAL PSYCHOLOGY. B.S. Lawrence Col, 47; M.S. Wisconsin, 49, Ph.D. 53. Counsr. & trainer, Cent. Mo. State Col, 53-57; CURRICULUM EVALUATOR & PROF. ED, SAN DIEGO STATE COL, 57- U.S.N. 41-45. Psychol. Asn; Personnel & Guid. Asn. Education; counseling; followup; internship. Address: Dept. of Education, San Diego State College, San Diego, Calif. 92115.

SCHMIDT, PROF. JOHN R (ICHARD), b. Madison, Wis, July 3, 29; m. 51; c. 3. AGRICULTURAL ECONOMICS. B.S. Wisconsin, 51, M.S. 53, Ph.D. (agr. econ), 60. Asst. AGR. ECON, Wisconsin, 51-52; Minnesota, 52, 55-56, asst. prof. WISCONSIN, 56-61, assoc. prof. 61-65, PROF. 65-, CHMN. DEPT. 66- Farm mgt. consult, Am. Farm Bur. Fedn, 62; Agency Int. Develop. consult. to S.A.M. 67. Mem. Nat. Coord. Cmt. Electronic Data Processing in Farm Mgt, 66- U.S.A. 53-54. Agr. Econ. Asn. Farm management and product economics; economics of soil conservation, farm enterprise selection and production; computer usage in agriculture. Address: Dept. of Agricultural Economics, University of Wisconsin, Madison, Wis. 53706.

SCHMIDT, PROF. KARL M, JR, b. Utica, N.Y., Mar. 19, 17; m. 43; c. 3. POLITICAL SCIENCE. A.B. Colgate, 48; Johnston scholar, Hopkins, 48-49, M.A. 50, Ph.D. (polit. sci), 51. Asst. prof. govt. & econ. Union (N.Y.), 51-57; ASSOC. PROF. POLIT. SCI, MAXWELL GRAD. SCH, SYRACUSE, 57-, DIR. WASH. SEMINAR, 57-60, 62-, DIR. MID-CAREER EXEC. DEVELOP. PROG, 68- Consult. State Dept. Audit & Control, N.Y. 58-57; faculty adv. Albany Grad. Prog. Pub. Admin, 57-60; resident adv. Pakistan Admin. Staff Col, 60-62 & 67. Polit. Sci. Asn; Soc. Pub. Admin; Asn. Asian Studies. State and local government; public administration; development administration. Publ: Henry A. Wallace: quixotic crusade, 1948; ed, American national government in action, 65 & American state and local government in action, 66, Dickenson. Address: 100 Cutler Dr, Syracuse, N.Y. 13219.

SCHMIDT, PROF. LESTER F (REDERICK), U.S. Intellectual Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SCHMIDT, DR. LYLE DARREL, b. St. Cloud, Minn, May 21, 33; m. 56. PSYCHOLOGY. B.A. St. Cloud State Col, 55; A.M. Missouri, 57, Ph.D. 59. Instr. psychol, St. Cloud State Col, 57-58; counseling psychologist, Maryland, 59-61; asst. prof. psychol, Ohio State, 61-64, ASSOC. PROF, 64-67; MINNESOTA, MINNEAPOLIS, 67- AAAS; Psychol. Asn. Nature of the counseling-psychotherapeutic relationship; individual and interactive effects of therapist and clients personalities on therapy outcome. Publ: Counseling: readings in theory and practice; Some legal considerations for counseling and clinical psychologists, J. Counseling Psychol; Differentiation of human figure drawings, J. Consult. Psychol. Address: Dept. of Educational Psychology, University of Minnesota, Minneapolis, Minn. 55455.

SCHMIDT, PROF. MARTIN F (REDERICK), b. Denver, Colo, Sept. 20, 12. BUSINESS MANAGEMENT. B.S. Colorado, 33, M.S. 34; Chicago, 37; Strathcona fel, Yale, 38-39, cert, 39. Res. assoc. bur. bus. res, COLORADO, 34-36, asst. prof. MGT, 39-42, assoc. prof, 45-50, PROF. & HEAD DIV, 50- Transportation inspector, New Haven R.R., 38; asst. to trustees, Denver & Rio Grande West, R.R., 42-45; dir. & mem. exec. cmt, Denver Chicago Trucking Co, 65-; dir, DC Int. Corp, 65-; Red Bull Express Trucking Co, 65-; Owen Sound Transportation Co, Can, 65- Transportation consult, U.S. Chamber Commerce & mem. bd. regents, Ed. Inst. U.S. Air Force Civilian Award of Merit, 64. Soc. Adv. Mgt; Soc. Traffic & Transportation. Traffic and industrial management; administrative practices. Publ: Co-auth, Analysis of state revenues and finances, 1920-35; auth, Syllabus in international transportation, 66 & Readings in international transportation, 67, Bur. Bus. Res, Univ. Colorado. Address: 771 Grant Place, Boulder, Colo. 80302.

SCHMIDT, DR. NANCY JEANNE, b. Cincinnati, Ohio, May 17, 36. ANTHROPOLOGY. B.A. Oberlin Col, 58; M.A. Minnesota, 61; Ph.D. (anthrop), Northwestern, 65. Teacher, high sch, N.Y. 59-60; Torah Acad. of Minneapolis, 60-62; ASST. PROF. ANTHROP, Wis. State, Stevens Point, 65-66; ST. LAWRENCE, 66- Consult, anthrop, curriculum study proj, 64-66; Coop. Curriculum Develop, Center, Wis, summer, 67. Fel. African Studies Asn; fel. Anthropol. Asn. African literature in English. Publ: The neglected missionaries, Africana Newsletter, 64; Orthodox Judaism: a minority within a minority, Jewish J. Sociol, 65; Children's literature about Africa, African Studies Bull, 65. Address: Dept. of Anthropology, St. Lawrence University, Canton, N.Y. 13617.

SCHMIDT, DR. NICHOLAS J (AMES), JR, b. Chicago, Ill, Nov. 28, 21; m. 45; c. 4. GEOGRAPHY. B.A. Kansas, 48, M.A. 49; Ph.D. (geog), Illinois, 52; M.B.A. Rollins Col, 66. Instr. geog, Kansas, 49; asst. instr, Illinois, 49-51; instr, Oklahoma, 51-52; mil. intel. res. specialist environ. & logistical anal, Off. Qm. Gen. D.C. 52-56; sr. engr, opers. res. weapons syst. eval, Glenn L. Martin Co, 56-58; contracts mgr, Martin-Cocoa, 58-59, for. requirements mgr, Europe, 60; CONTRACTS MGR, MARTIN MARIETTA CORP, ORLANDO, 61- U.S.A.A.F. 42-45, Lt. AAAS; Asn. Am. Geog; Arctic Inst. N.Am. Arctic areas; industrial and urban geography; operations research; military aerospace contracts management. Address: 788 Interlachen Ave. N, Winter Park, Fla. 32789.

SCHMIDT, ORVIS A (DRIAN), Econ, see 10th ed, Soc. & Behav. Vols, deceased 67.

SCHMIDT, PROF. R (ICHARD) H (ERMAN), b. Blue Earth, Minn, Aug. 2, 16; m. 45. PSYCHOLOGY. B.S. Okla. State, 46, M.S. 47, Ed.D. (psychol), 53. Personnel technician, Green Giant Canning Co, 37-41; factory personnel rep, Lockheed Aircraft Corp, 41-42; asst. psychol, Okla. State, 46-47, instr, 47-49; asst. prof, Gustavus Adolphus Col, 49-54; adv, Ft. Hays Kans. State Col, 54-55; assoc. prof, WESTERN MICHIGAN, 55-61, prof, 61-68, DIR. PRFNL. EXPERIENCES, 68- Consult, Personnel Reliability Corp, 60-62; Westab, Inc, Indust. State Bank & Trust Co. & First Nat. Bank & Trust Co, Kalamazoo, Mich, 61-; Blue Diamond Wholesale Lumber Co, Battle Creek, 62- U.S.A. 42-45. Psychol. Asn. Measurements; selection and placement; educational psychology; training; psychology of work. Address: 2729 Mockingbird Dr, Kalamazoo, Mich. 49001.

SCHMIDT, PROF. RICHARD NICHOLAS, Statist. Math, see 11th ed, Phys. & Biol. Vols.

SCHMIDT, DR. ROBERT G (EORGE), b. Waterloo, Iowa, Oct. 30, 21. SOCIOLOGY. A.B. Ill. Col, 43; A.M. Harvard, 46; univ. fel, Washington (St. Louis), 49-50, Ph.D. 55. Instr, Morgan Park Mil. Acad, 43-45; Monticello Col, 46-49; asst. prof. SOCIOLOG, Lindenwood Col, 50-54; South. State Col, 54-55; asst. prof, Morningside Col, 55-56; asst. prof, Minnesota, Duluth, 56-60, assoc. prof, 60-64; prof, Lindenwood Col, 64-67; ASSOC. PROF, AKRON, 67- Sociol. Asn. Construction of scale to measure social participation and the application of the scale to the analysis of successful and unsuccessful group functioning; Latin America within courses on United States history. Publ: Social participation as a factor in church growth, Univ. Minnesota. Address: Dept. of Sociology, University of Akron, Akron, Ohio 44320.

SCHMIDT, DR. ROBERT J (ULIUS), b. Munson, Pa, Feb. 3, 15; m. 42; c. 3. SOCIOLOGY. B.S. Minot State Teachers Col, 46; fel, Iowa State Col, 47-49, M.S. 49; Ph.D. (sociol), Pittsburgh, 53. Asst. prof. sociol, Evansville Col, 49-51; Minister, Knoxville Baptist Church, Pa, 51-53; asst. prof. marriage & family living, Fla. State, 53-56; ASSOC. PROF. & CHMN. DEPT. sociol, Morris Harvey Col, 56-59; SOCIOLOG. & ANTHROP. RUSSELL SAGE COL, 59- Nat. Sci. Found. summer grant, 63. Family consult, Ment. Health Asn, Fla, 56-59; adv. cols. of W.Va, 56-59. Mem, Groves Conf. Marriage & Family. Sociol. Asn. Family relationships. Address: Dept. of Sociology, Russell Sage College, Troy, N.Y. 12180.

SCHMIDT, DR. ROBERT S (HERWOOD), Zool, see 11th ed, Phys. & Biol. Vols.

SCHMIDT, PROF. ROYAL J, b. Maywood, Ill, June 10, 15. POLITICAL SCIENCE. B.S. Lewis Inst, 39; M.A. Chicago, 47, Ph.D. 57. From asst. prof. to PROF. HIST. & POLIT. SCI. & CHMN. DEPT. POLIT. SCI, ELMHURST COL, 48- Elmhurst Col. alumni study grant, Stanford & Hoover Inst, summer, 62. Hist. Asn; Orgn. Am. Historians; Polit. Sci. Asn. American history and foreign policy; international relations; comparative government.

Publ: Versailles and the Ruhr: seedbed of World War II, Martinus Nijhoff, The Hague, 68; Cultural nationalism in the thought of Johann Gottfried Herder, J. Hist. Ideas; United States and China: the debate on foreign policy, In: Record and faculty papers, Miss. Valley Col. Asn, 67. Address: Elmhurst College, Elmhurst, Ill. 60126.

SCHMIDT, DR. S (TEPHEN) CHRISTOPHER, b. Isztimer, Hungary, Dec. 20, 20; U.S. citizen; m. 45; c. 2. AGRICULTURAL ECONOMICS. Dipl. agr, Eötvös Lóránd, Budapest, 43, D.Sc. (agr. econ), 45; Ph.D. (agr. econ), McGill, 58. Asst. head dept. admin, Hungary Ministry Commerce & Coop. Affairs, 46-48; teaching asst, McGill, 54-55; asst. prof. AGR. ECON, Kentucky, 55-57; Mont. State Col, 57-59; ILLINOIS, URBANA, 59-63, ASSOC. PROF, 63- Summers, Ford Found. fel. regional faculty res. seminar, Eugene, Ore, 59, Agr. Develop. Coun. study grant Arab econ. integration, 66. Agr. Econ. Asn. Economic integration schemes and their effect on international trade in agricultural commodities. Publ: Commodity structure and regional distribution of EEC imports, Univ. Illinois, Part I, 65, Part II, 66; Western European imports of raw materials manufactures and all commodities combined, Ill. Agr. Econ, 67. Address: Dept. of Agricultural Economics, University of Illinois, Urbana, Ill. 61801.

SCHMIDT, DR. WARREN H (ARRY), b. Detroit, Mich, Nov. 10, 20; m. 45; c. 4. PSYCHOLOGY. A.B. Wayne, 43; B.D. Concordia Theol. Sem, 45; M.A. Washington (St. Louis), 47, Ph.D. (psychol), 49. Instr. psychol, Washington (St. Louis), 48-49; Missouri, 49-50; asst. prof, Union Col, 50-51; Springfield Col, 51-53; proj. dir, Adult Ed. Asn, 53-55; lectr. psychol. & head dept. conf, CALIFORNIA, LOS ANGELES, 55-59, dir. statewide conf. & community serv, 59-61, LECTR. personnel mgt, GRAD. SCH. BUS. ADMIN, 61-66, BEHAV. SCI, 63-; DIR. MASTER BUS. ADMIN. PROG, 68- Summer vis. lectr, Leeds, 64 & 66. Psychol. Asn. Behavioral science; group dynamics; communication and conference methods. Publ: Techniques that produce teamwork; The fact-finding conference; ed, Looking into leadership. Address: 9238 Petit Ave, Sepulveda, Calif. 91343.

SCHMIDT, PROF. WILSON, b. Madison, Wis, Mar. 22, 27; m. 50; c. 2. ECONOMICS. B.S. Maryland, 47; M.A. Pittsburgh, 48; Ph.D. Virginia, 52. From instr. to prof. ECON, George Washington, 50-66, chmn. dept, 65-66; PROF. & HEAD DEPT, VA. POLYTECH, 66- Vis. prof, sch. adv. int. studies, Hopkins, 60, Hopkins Bologna Center, Italy, 63-65; lectr, for. serv. inst, U.S. Dept. State, 66- Consult, Am. Enterprise Inst, 55-63; U.S. Agency Int. Develop, 58- Econ. Asn; Asn. Bus. Econ. Economic development. Publ: Co-auth, International economics, Holt, 57; auth, Case against international commodity agreements, Law & Contemporary Probs, spring, 63; Economics of charity: loans vs. grants, J. Polit. Econ, 8/64. Address: Dept. of Economics, Virginia Polytechnic Institute, Blacksburg, Va. 24060.

SCHMITT, DR. DAVID REESE, b. Evanston, Ill, Sept. 19, 38; m. 60; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. Nat. Defense Ed. Act fel, Washington (St. Louis), 62-63, M.A. 62, Ph.D. (sociol), 63. Asst. prof. SOCIOLOG, Wisconsin, 63-68; ASSOC. PROF, WASHINGTON (SEATTLE), 68- Sociol. Asn. Social psychology especially experimental analysis and behavior change. Publ: Co-auth, Dimensions of compliance-gaining behavior: an empirical analysis, Sociometry, 67 & Stimuli control in the experimental study of co-operation, J. Exp. Anal. Behav, 68; auth, Punitive supervision and productivity—an experimental analog, J. Appl. Psychol, 69. Address: Dept. of Sociology, University of Washington, Seattle, Wash. 98105.

SCHMITT, PROF. HANS A (DOLF), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SCHMITT, DR. HANS O (TTO), b. Kudus, Indonesia, Jan. 11, 30; nat. ECONOMIC. B.A. California, 52, Amy Bowles Johnson traveling fel, 55, Ph.D., 59; fel, Mass. Inst. Tech, 56. Jr. res. economist, Indonesia, 56-57, asst. res. economist, 57-58; instr. ECON, WISCONSIN, 58-59, asst. prof, 60-65, ASSOC. PROF, 65- Ford Found. res. training fel, Christ's Col, Cambridge, 59; economist, Int. Bank Reconstruct. & Develop, D.C. 65-67. Econ. Asn. International finance, especially financing of economic development of underdeveloped areas. Publ: Political conditions for international currency reform, Int. Orgn, summer 64; Decolonization and development in Burma, J. Develop. Studies, 10/67; Capital markets and the unification of Europe, World Polit, 1/68. Address: Dept. of Economics, University of Wisconsin, Madison, Wis. 53706.

SCHMITT, JAMES R (ICHARD), b. Des Moines, Iowa, June 3, 26; m. 54; c. 3. INDUSTRIAL PSYCHOLOGY. B.A. Hunter Col, 50; M.A. Fordham, 55; Boston, 57-59. Counsr, Big Brother Movement, Inc, 54-55; staff psychologist, personnel inst, 55-56; placement asst, Personal Prods. Corp, 56; supvr. selection & placement, Gillette Safety Razor Co, 56-60; exec. placement officer, Olin-Mathieson Chem. Corp, 60-63; DIR. SELECTION, RICHARDSON-MERRELL INC, 63- U.S.A. 44-46. Psychol. Asn; Personnel & Guid. Asn; Soc. Training & Develop. Management selection; manager development and personnel policies. Publ: Factor analysis of learning in the dog, Biometrica; co-auth, Prediction of creativity and performance from biographical data among scientists, J. Appl. Psychol, 4/67. Address: 133 Pelhamdale Ave, Pelham, N.Y. 10803.

SCHMITT, DR. JOHN A (DAM), b. Wilkes-Barre, Pa, Oct. 17, 29; div; c. 5. PSYCHOLOGY. A.B. Villanova Col, 51; M.Ed. Cornell, 56, Ed.D. (ed. psychol), 59. Ed. psychologist, Ithaca Bd. Ed, N.Y. 57-61; asst. prof. ed. psychol, Rochester, 61-65; ASSOC. PROF. ED, BOSTON COL, 65-; ASSOC. DEAN GRAD. STUDIES, RES. & DEVELOP, SCH. ED, 68- Lectr, Ithaca Col, 58-62; Cornell, 59-61. U.S.A. 52-54; Nat. Guard, 54-65; U.S.A.R. 65-; Maj. Psychol. Asn; Ed. Res. Asn; Personnel & Guid. Asn; Asn. Comput. Mach; Nat. Coun. Measurement in Ed; Can. Ed. Researchers Asn. Computer applications to educational processes; systems analysis and operations research in education. Address: School of Education, Boston College, Chestnut Hill, Mass. 02167.

SCHMITT, PROF. KARL MICHAEL, b. Louisville, Ky, July 23, 22; m. 49; c. 5. POLITICAL SCIENCE. B.A. Catholic Univ, 47, M.A. 49; Ph.D. (hist), Pennsylvania, 54. Instr. hist, Niagara, 50-54, asst. prof, 54-55; intel. res. analyst, U.S. Dept. State, 55-58; asst. prof. GOVT, TEXAS, AUSTIN, 58-63, assoc. prof, 63-66, PROF, 66- Summers, asst. prof, California, Los Angeles, 59, grants, res. inst, Texas 64 & inst. Latin Am. studies, 66 & 67.

- Consult, U.S. Dept. State, 62-65, 66-, res. contractor, 65-66. U.S.A., 43-45. Church-state relations, general politics, revolution and communism in Latin America, especially Mexico. Publ: Co-auth, Evolution or chaos—dynamics of Latin American government and politics, Praeger, 63; auth, Communism in Mexico, Univ. Texas, 65; co-auth, The politics of violence: modern revolution, Prentice-Hall, 68. Address: Dept. of Government, University of Texas, Austin, Tex. 78712.
- SCHMITTER, DR. PHILIPPE CHARLES, b. Washington, D.C., Nov. 19, 36; m. 62; c. 1. POLITICAL SCIENCE. B.A., Dartmouth Col, 58; Lic es S.P., Geneva, 61; Ph.D.(polit. sci.), California, Berkeley, 68. Res. asst. polit. sci., California, Berkeley, 62-64, assoc. res. polit. scientist, 66-67; Rockefeller vis. prof. POLIT. SCI., Inst. Soc. Sci., Brazil, 64-65; ASST. PROF., CHICAGO, 67. Polit. Sci. Asn. Comparative politics; Latin America; international integration; interest politics and political development. Publ: Auth, Development and interest politics in Brazil, Stanford, (in press); co-auth, Economics and differential patterns of political integration, Int. Orgn., 65. Address: Dept. of Political Science, University of Chicago, 1126 E. 59th St, Chicago, Ill. 60637.
- SCHMITZ, PROF. MEL A, Psychol, see 11th ed, Phys. & Biol. Vols.
- SCHMITZ, ROY M(ELVIN), b. Chicago, Ill, May 14, 22; m. 44; c. 2. INDUSTRIAL PSYCHOLOGY & ECONOMICS. B.S., Iowa State, 48, M.S., 52. Asst. to registr., Iowa State, 49-54; from asst. div. indust. rels. mgr. to asst. supvr. labor rels., Standard Oil Co.(Ind), 54-56; dir. staff develop., Booz, Allen & Hamilton, 56-58; tech. personnel dir., Sunbeam Corp., 58-60; dir. personnel, Consol. Freightways, Inc., 60; PRES. MGT. CONSULT., R.M. SCHMITZ & CO, CHICAGO, 60. U.S.A.A.F., 45, Capt. Psychol. Asn.; Personnel & Guid. Asn. Executive appraisal; manpower development and utilization; tests and measurements. Publ: Selection and counseling of students in engineering; Relationship of certain measured abilities to freshman engineering achievement. Address: 1205 Broadmeadow Rd, Winnetka, Ill. 60093.
- SCHMOOKLER, PROF. JACOB, Econ, see 10th ed, Soc. & Behav. Vols., deceased 67.
- SCHMUDDE, DR. THEODORE HENRY, b. Chamois, Mo, Apr. 18, 30; m. 57; c. 2. GEOGRAPHY. B.S., Cent. Mo. State Col, 52; M.S., Wisconsin, 56, Ph.D.(geog.), 60. Asst. prof. GEOG., SOUTHERN ILLINOIS, 59-65, ASSOC. PROF., 65-. Mem. steering cmt., Earth Sci. Curriculum Proj., 63. U.S.A.R., 53-54. Asn. Am. Geog. Alluvial morphology; landforms; geography of the soil. Address: 408 S. James, Carbondale, Ill. 62901.
- SCHMULLER, PROF. ALLEN M(ARK), Ed. Psychol, see 10th ed, Soc. & Behav. Vols.
- SCHMUTZ, PROF. D CLARENCE, b. St. George, Utah, July 24, 03; m. 35. AGRICULTURAL ECONOMICS. B.A., Utah, 30, M.A., 32; Cornell, 35-38; Boston, 43; Mich. State Col, 49. Asst. agr. economist, nat. res. prog., U.S. Dept. Agr., 36-37, assoc. agr. economist, bur. agr. econ., 39-41; mkt. specialist, dept. agr., Utah, 41-42; assoc. price economist, Off. Price Admin., 42-43; asst. prof. AGR. ECON., COL. SOUTH. UTAH, 46-48, ASSOC. PROF., 48-. CHMN. DIV. LIFE SCI., 67-, div. agr., 50-60, div. agr. biol. & forestry, 60-67. Study & travel in Mex. & S.A.M., 68; acting dir. sheep bldg. & mgt. exp. res. coop., Utah State Exp. Sta. Summers with Found. Econ. Ed., Kansas City Life Ins. Co., 50 & Bank of Am., 52. Consult., Iron County & Cedar City Water Bd., 48-; Nat. Rivers & Harbor Cong., 59-. U.S.A., 43-46, Capt. Agr. Econ. Asn.; Farm Bur. Fedn. Farm labor study; farm flood damage appraisal and analysis; milk price relationships; Publ: Economic appraisal of flood damage to agriculture and industry; Agriculture in revolution; Land grant colleges: education in revolution 100 years ago. Address: Division of Life Science, College of Southern Utah, Cedar City, Utah 84720.
- SCHMUTZER, DR. EDUARD, b. Djakarta, Indonesia, Sept. 4, 23; U.S. citizen; m. 58. POLITICAL SCIENCE. B.A. & M.A., Utrecht, 51; Nat. Defense Ed. Act fel, California, Santa Barbara, 63-65, Ph.D.(polit. sci.), 67. Instr. POLIT. SCI., California, Santa Barbara, 66-67; ASST. PROF., WEST TEXAS STATE, 67-. Asn. Polit. & Soc. Sci.; Asn. Asian Studies; Royal Inst. Ling. & Anthropol. Asian studies; politics in the Netherlands East Indies and Indonesia; labor relations in a colonial society. Publ: Dutch colonial policy and the search for identity in Indonesia, 1920-1931, Univ. California, Santa Barbara, 67. Address: Dept. of Government, West Texas State University, Canyon, Tex. 79015.
- SCHNACK, DR. GEORGE F(ERDINAND), b. Honolulu, Hawaii, June 17, 17; m. 43; c. 1; m. 55; c. 5. PSYCHIATRY. A.B., Stanford, 39, A.M., 40; M.D., Hopkins, 51. Intern psychol., Worcester State Hosp., Mass., 41-42; res., N.Y. State Psychiat. Inst., 52-55; substitute sch. psychiatrist, bur. child guid., New York Bd. Ed., 55-57; asst. psychiatrist, med. col., Cornell, 57-59, instr., 59-60; dir., Lanakila Ment. Health Clin., div. ment. health, State Dept. Health, Hawaii, 60-64; LECTUR. SOC. WORK, HAWAII, 65-, CLIN. PROF. PUB. HEALTH, 66-, PSYCHIAT. CONSULT., PEACE CORPS TRAINING PROJ., 62-, vis. lect. soc. work, 61-65, lect. pub. health, 62-66, dir. summer work-study prog. ment. health 65 & 66. Psychiatrist, psychiat. clin., Magistrates Court, New York, 56-59, acting dir., 59-60; assoc. dir., Rockland County Center Ment. Health, Monsey, N.Y., 57-59; psychiatrist, outpatient serv., New York Hosp., 57-60. Teacher, West. Interstate Cmn. Higher Ed., 60-62. U.S.A., 42-45. AAAS; fel. psychiat. Asn.; fel. Orthopsychiat. Asn.; Am. Med. Asn.; Soc. Adolescent Psychiat.; Nat. Coun. Family Rels.; Pan-Am. Med. Asn.; World Fedn. Ment. Health. Psychoanalytic psychotherapy with child, adult and families; personality development. Address: P.O. Box 5263, Honolulu, Hawaii 96814.
- SCHNADT, DR. FREDERICK W(ILLIAM), b. Wright City, Mo., May 29, 11; m. 38; c. 1. PSYCHOLOGY. B.J., Missouri, 33; A.B., Alabama, 38; A.M., Washington (St. Louis), 47, Ph.D., 50. CHIEF CLIN. PSYCHOL. SERV. VET. ADMIN. HOSP., Ft. Lyon, Colo., 50-53; NORTH LITTLE ROCK, ARK., 53-. U.S.A., 43-45. AAAS; Psychol. Asn. Personality evaluation; group psychotherapy; rehabilitation of mental patients. Publ: Certain aspects of Wechsler-Bellevue scatter at low IQ levels, J. Consult. Psychol.; Plan for rehabilitating improved psychotic patients, Am. J. Psychiat.; Techniques and goals in group psychotherapy with schizophrenics, Int. J. Group Psychother. Address: 3711 Lockridge Rd, North Little Rock, Ark. 72116.
- SCHNALL, DR. MELVYN, b. New York, N.Y., Aug. 26, 38; m. 60; c. 2. PSYCHOLOGY. B.S., Union Col.(N.Y.), 59; M.A., Clark, 61, Ph.D.(psychol.), 64. Instr. PSYCHOL., Rutgers, 63-64, ASST. PROF., 64-65; BRANDEIS, 65-. Consult. res. proj. adult literacy, Mass. Coun. Pub. Schs., 66-. AAAS; Psychol. Asn. Cognitive development; conceptual and language development; developmental theory; development of temporal and spatio-temporal organization; perceptual motor and cognitive difficulties in relation to reading in children and adults. Publ: Co-auth, Decoding problems in reading, Pathways Child Guid., 66; auth, Global errors in children's reproductions of progressively changing pictures, Am. J. Psychol., 67; Age differences in the integration of progressively changing visual patterns, Human Develop., 68. Address: Dept. of Psychology, Brandeis University, Waltham, Mass. 02154.
- SCHNECK, DR. JEROME M, Med, see 11th ed, Phys. & Biol. Vols.
- SCHNECK, PROF. MATTHEW M(AXIMILIAN) R(UPPRECHT), b. San Bernardino Co, Calif., May 10, 93; m. 16. PSYCHOLOGY. A.B., Arizona, 25; A.M., Columbia, 27, Ph.D.(psychol.), 29. Instr. PSYCHOL., ARIZONA, 24-26, assoc. prof., 30-34, prof. & head dept., 34-58, EMER. PROF., 58-. V-pres., Schenley Distillers Corp., 46-47, consult., 43-49. U.S.A., 17-20. AAAS; Psychol. Asn. Tests; learning; abnormal psychology. Publ: Co-auth, Psychological tests, measurements and results. Address: 861 Sutter St, San Francisco, Calif., 94109.
- SCHNEIDAU, DR. ROBERT E, b. Chicago, Ill., Nov. 2, 34; m. 53; c. 4. AGRICULTURAL ECONOMICS. B.S., Purdue, 56, M.S., 58, Ph.D.(prod.), 63. Instr. AGR. ECON., PURDUE, 61-63, asst. prof., 63-66, ASSOC. PROF., 66-. U.S.A., 58-60, Res., 60-64, 1st Lt. Agr. Econ. Asn. Marketing, especially livestock and meat marketing. Address: Dept. of Agricultural Economics, Krannert Bldg., Purdue University, Lafayette, Ind. 47907.
- SCHNEIDER, ALFRED M(ARCEL), Math. Statist., Opers. Res, see 11th ed, Phys. & Biol. Vols.
- SCHNEIDER, DR. ALLEN M(ORRIS), b. New Britain, Conn., Nov. 21, 38; m. 60. PHYSIOLOGICAL PSYCHOLOGY. B.S., Trinity Col.(Conn.), 60; Nat. Inst. Ment. Health fel., Indiana, 62-63, Ph.D.(psychol.), 63. ASST. PROF. PSYCHOL., N.Y. UNIV., 63-. AAAS; Psychol. Asn.; Psychonomic Soc. The neural correlates of learning and memory. Publ: Retention under spreading depression: a generalization-decrement phenomenon, J. Comp. & Physiol. Psychol., 66; The control of memory by spreading control depression: a case for stimulus control, Psychol. Rev., 67; co-auth, Amnesia: a function of the temporal relation of footshock to electroconvulsive shock, Science, 68. Address: Dept. of Psychology, New York University College of Arts & Science, University Heights, Bronx, N.Y. 10453.
- SCHNEIDER, DEAN ARNOLD E(EDWARD), b. Superior, Wis., Feb. 4, 09; m. 40; c. 2. BEHAVIORAL SCIENCE, MANAGEMENT. B.S., Iowa State Teachers Col, 32; M.A., Iowa, 37; Ph.D., Michigan, 47. Analyst, E.A. Pierce, 32-33; acct., Ford Motor Co, Wis., 33-34; asst. bus. Iowa, 35-37; head div. bus. studies, Minn. State Col, 37-41; prof. bus. studies & head dept., WESTERN MICHIGAN, 47-56, DEAN SCH. BUS., 56-. Developer, designer & adminstr. mgt. & exec. develop. prog., State Farm Ins. Companies, Ill., 52-64. U.S.N., 42-46, Lt. Acad. Mgt.; Mgt. Asn.; Inst. Mgt. Growth and development of human resources as it relates to business, industry and government organizations; structure and dynamics of organization. Publ: Co-auth, Personal business law, McGraw, 63; Fundamentals of managerial behavior; Education for innovation and the business organization, Ala. Bus., 5/65. Address: School of Business, Western Michigan University, Kalamazoo, Mich. 49001.
- SCHNEIDER, DR. BENJAMIN, b. Brooklyn, N.Y., Aug. 11, 38; m. 61; c. 2. PSYCHOLOGY. B.A., Alfred, 60; M.B.A., City Col. New York, 62; Ph.D.(indust. psychol.), Maryland, 67. Youth placement counsr., youth employ. serv., Dept. Labor, N.Y., 60-62; instr. indust. & introductory psychol., Maryland, 66-67; ASST. PROF. ADMIN. SCI., YALE, 67-. Res. assoc., Performance Res., Inc., summer 64, 65. U.S.A., 62-64, 1st Lt. Psychol. Asn. Relationship between individual attributes and organizational attributes and their resultant interactions to produce success or failure for one or both parties. Address: 926 Ridge Rd, Hamden, Conn. 06517.
- SCHNEIDER, PROF. CARL J, b. Evansville, Ind., Jan. 16, 17; m. c. 2. POLITICAL SCIENCE. A.B., Oberlin Col., 39; Ph.D., Wisconsin, 43. Instr. New Hampshire, 46-48; asst. prof. POLIT. SCI., Nebraska, 48-54, assoc. prof., 54-62, prof., 62-67, chmn. dept., 61-67; PROF. POLIT. SCI. & CHMN. DIV. SOC. SCI., KIRKLAND COL., 67-. Fulbright res. grant, Germany, 55-56; mem. Int. Coop. Admin.-Nebr. Prog., Turkey, 57-59. Mem., Midwest Conf. Polit. Scientists. U.S.A., 43-46. Polit. Sci. Asn. Publ: Background of European governments; co-auth, Problems in international relations, Prentice-Hall, 62 & Dictionary of political science, Philos. Library, 64. Address: Dept. of Political Science, Kirkland College, Clinton, N.Y. 13323.
- SCHNEIDER, CLEMENT J, S.J., b. New Franken, Wis., Nov. 21, 27. SOCIOLOGY. B.A., St. Louis, 51, Ph.L., 52, S.T.L., 60; Ph.D.(sociol.), Cornell, 64. ASST. PROF. SOCIOL., CREIGHTON, 65-. Geront. Soc.; Sociol. Asn. Gerontology; sociological theory; methodology; industrial and labor sociology. Publ: Aspects of role theory and the adjustment of employed women to retirement, Proc. Seventh Int. Cong. Geront., summer 66. Address: Dept. of Sociology, Creighton University, Omaha, Nebr. 68131.
- SCHNEIDER, DR. DAVID M(LOSES), b. Odessa, Russia, Feb. 19, 99; nat; m. 27; c. 2. HEALTH ECONOMICS. M.A., Hopkins, 26, Ph.D., 27. Dir. dept. statist., Bur. Jewish Soc. Res., New York, 27-30; bur. res. & statist., State Dept. Soc. Welfare, 30-63; adminstr., off. med. econ., 63-66; off. health econ., N.Y. STATE DEPT. HEALTH, 66, SPEC. ASST. N.Y. STATE CMNR. HEALTH, 66-. Mem. cmt. spec. study salaries & working conditions social workers, Nat. Coun. Soc. Work Ed., 48-51; del. Gov. Conf. on Crime, 35; State Cmn. Youth & Delinquency Conf., 55; exec. secy., Joint Cmt. Hosp. Rates, 56-63, exec. dir., Interdept. Cmt. Hosp. Rates, 63-66, exec. secy., Interdept. Cmt. Health Econ., 66-. Consult., Comm. Hosp. Cost Cmn., 60. Statist. Asn.(v-pres., 44); Sci. Res. Soc.; fel. Pub. Health Asn. Medical economics. Publ: Workers' (Communist) Party and American trade unions;

History of public welfare in New York State, 1609-1866; History of public welfare in New York State, 1867-1940. Address: New York State Dept. of Health, 84 Holland Ave, Albany, N.Y. 12208.

SCHNEIDER, PROF. DAVID M(URRAY), b. New York, N.Y., Nov. 11, 18; m. 40; c. 2. ANTHROPOLOGY. B.S. Cornell, 40, M.A., 41; Ph.D. Harvard, 49. Lectr. ANTHROP. London Sch. Econ. 49-51; instr. Harvard, 51-52; lectr. 52-54, asst. prof. 54-56; assoc. prof. California, 56-59, PROF. 59-60; CHICAGO, 60- Fel. Center Adv. Study Behav. Sci. 55-56, 66-67. Consult. behav. sci. study sect. Nat. Insts. Health, 60-64. Mem. bd. dirs. Found. Fund. Res. Psychiat, 63-66. U.S.A., 43-44; Med.C., 44-45, Sgt. Fel. Am. Anthropol. Assn; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland; fel. Assn. Soc. Anthropol. Brit. Commonwealth. Cultural anthropology; kinship; political organization; anthropological theory; culture and personality; Oceania; Micronesia; Yap Island; southwestern United States, particularly South Athabaskans. Publ: Co-auth. Marriage, authority and final causes; Matrilineal kinship; auth. American kinship a cultural account, Prentice-Hall, 68. Address: Dept. of Anthropology, University of Chicago, 1126 E. 59th St, Chicago, Ill. 60637.

SCHNEIDER, PROF. EUGENE V, b. New York, N.Y., Sept. 20, 19; m. 44; c. 2. SOCIOLOGY. B.A., N.J. State Teachers Col., 42; M.A., Harvard, 47, Soc. Sci. Res. Coun. fel. 47-48. Ph.D. 48. Instr. SOCIOL. Wisconsin, 48-50; asst. prof. Carleton Col., 50-51; from asst. prof. to assoc. prof. BRYN MAWR COL., 51-64, PROF. & CHMN. DEPT., 64- Vis. prof. California; Fulbright res. fel. Holland, 64-65. U.S.A., 42-45, Sgt. Sociol. Assn. Industrial sociology; social theory. Publ: Industrial sociology. Address: Dept. of Sociology, Bryn Mawr College, Bryn Mawr, Pa. 19010.

SCHNEIDER, PROF. HAROLD K(ENNETH), b. Aberdeen, S.Dak., Aug. 24, 25; m. 48; c. 2. ANTHROPOLOGY. B.A., Macalester Col., 46; Seabury-West. Theol. Sem., 46-48; Fulbright, Soc. Sci. Res. Coun. & univ. grants, Northwestern, 51-52, Ph.D. 53. Asst. anthropol. Northwestern, 49-51; from instr. to asst. prof. anthropol. & sociol. LAWRENCE, 53-62, ASSOC. PROF. ANTHROP., 62-, CHMN. DEPT., 61- Nat. Sci. Found. grant, Tanganyika, 59-60, indigenous African econ. & soc. 66-67. Fel. Anthropol. Assn; African Studies Assn; Int. African Inst. African area cultural and social anthropology, especially East Africa. Publ: Co-auth. Economic anthropology: a reader in theory and analysis, Holt, 68; auth. The Pakot of Kenya; A Model of African indigenous economy and society, Comp. Studies Soc. & Hist., 10/64. Address: 86 Estherbrook Court, Appleton, Wis. 54911.

SCHNEIDER, PROF. JOHN B(ARTHOLOMEW), b. Chicago, Ill., Sept. 20, 98; m. 28; c. 4. ECONOMICS, BUSINESS ADMINISTRATION. Ph.B. Chicago, 27, M.A., 29; Ph.D.(econ), California, 40. Asst. prof. indust. mgt. N.C. State Col., 29-30; econ. Marshall Col., 30-32; asst. California, 32-33, assoc. Gianini Found., 33-35, exten. specialist mkt., 35-43; head dairy sect. Off. Price Admin., 43; chief econ. advr. Am. Food Mission to Peru, Inst. Int-Am. Affairs, 43-44; econ. counsel & mkt. analyst, 44-45, 45-47; econ. consult. agr. For. Econ. Admin. Mid. East, 45; mgr. Calif. Prune Mkt. Prog., 47-48; prof. bus. San Francisco State Col., 48-64; prof. mkt. & head dept. New South Wales, 65-67; PROF. AGR. ECON. & HEAD DEPT., IBADAN, 67- U.S.N., 17-19. Mkt. Assn. Marketing; international trade. Publ: Agricultural marketing control programs in California & Peruvian food market and the World War, J. Mkt.; Description of employment procedures for store workers, Am. Bus. Ed. Yearbook. Address: Dept. of Agricultural Economics, University of Ibadan, Ibadan, Nigeria.

SCHNEIDER, JOHN T(RESTER), b. Scranton, Pa., Sept. 27, 17; m. 42; c. 2. ECONOMICS, STATISTICS. B.S., Southern California, 40; M.B.A., California, Los Angeles, 48. Econ. analyst, Rand Corp., 50-53; asst. economist, Bank of Am., 53-56; INVESTMENT ADV., 56- Fulbright prof., Sonora, 65-67. U.S.N.R., 44-46. Statist. Assn; Economet. Soc. Economics and statistics curriculum; investments; curriculum development in business and economics in Latin American universities. Address: 876 Melville Ave, Palo Alto, Calif. 94301.

SCHNEIDER, DR. JOSEPH Z(UBANIK), b. Prague, Czech, Apr. 4, 97; nat; m. 28. ECONOMICS, INDUSTRIAL ENGINEERING. A.B., Prague, 14, Sc.M., 19, Chem.E., 20, Sc.D.(eng), 23; Czech. Ministry Ed. & Czech. Acad. traveling fells, 20. Lectr. grad. sch. commerce, Inst. Tech, Prague, 22-27, 29-30, privat docent, 27, prof., 30-39, dean, 35-38; prof. chem. Madison Col.(Va.), 40-42; tech. adv. For.Econ. Admin., 42-45; econ. adv. U.S. element, Allied Cmn. for Austria, 45-49; Brookings Inst., 50; mgt. surv. off. comptroller, U.S. Dept. Army, 50-53; expert adv. indust. develop, Pakistan Planning Bd., 54-55; CONSULT. ENGR. & ECONOMIST, 56- Vis. prof. Chicago, 27-28; pres. Int. Econ. Course, Greece, 37, Germany, 38 & Sweden, 39; indust. economist, U.S. Opers. Mission, Ecuador, 57-61. Consult. chemist, Ill. 28-29. Medal of Freedom; U.S. Comdr. Order of Gorgeous Jade, China; Order of Merit, Czech. Nat. Soc. Prfnl. Eng. Rehabilitation of post war economy of Austria; economic planning and development; selection of economic targets of strategic bombing. Address: 5000 Fairbanks Ave, Alexandria, Va. 22311.

SCHNEIDER, PROF. LOUIS, b. Vienna, Austria, Mar. 22, 15; m. c. 3. SOCIOLOGY. B.A., City Col. New York, 35; M.A., Columbia, 38, Ph.D., 47. Tutor SOCIOL., Brooklyn Col., 36-43; asst. prof. Colgate, 47-49; assoc. prof., Purdue, 49-54, prof., 54-59; vis. prof. Dartmouth Col., 59-60; prof., Illinois, 60-67, head dept., 60-64, assoc. mem. center adv. study, 65-66; PROF. SOCIOLOG., TEXAS, AUSTIN, 67- Fel. Center Adv. Study Behav. Sci., 54-55. Sociol. Assn; Soc. Sci. Study Relig. Sociological theory; sociology of religion. Publ: Co-auth. Popular religion, 58 & ed. The Scottish moralists, 67, Univ. Chicago; ed. Religion, culture and society, Wiley, 64. Address: Dept. of Sociology, University of Texas, Austin, Tex. 78712.

SCHNEIDER, DR. MARVIN, b. New York, N.Y., Apr. 9, 27; m. 54; c. 3. EXPERIMENTAL PSYCHOLOGY. A.B., California, 50; M.A., Bowling Green State, 53; fel. Nebraska, 55-57, Ph.D. 59. Res. psychologist & proj. dir. missile sysls, Human Eng. Labs, Aberdeen Proving Ground, 57-59; head control sect. satellite data processing sysls, Ramo-Wooldridge, Denver, 59-60; human factors scientist, Syst. Develop. Corp., 60-64; field dir. ment. patient voc. rehab. res. Colorado State, 64-65; private consult., Stanford Res.

Inst. & President's Coun. Equal Opportunity, 65; SYSTS. SCIENTIST, SYST. DEVELOP. CORP., 65- U.S.N., 45-46. Psychol. Assn; N.Y. Acad. Sci.; Acad. Polit. & Soc. Sci.; Med. Correctional Assn. Human factors in missile and command-control systems; system analysis, research, consultation and management of system development in public health, mental health, education, social and urban systems. Publ: Co-auth. Shock for right and wrong responses during learning and extinction in human subjects, J. Exp. Psychol.; Drive-level of different intensities of electric shock, Am. J. Psychol. Address: 2 Aspen Lane, New City, N.Y. 10956.

SCHNEIDER, DR. ROBERT A(RNOLD), Physiol, see 11th ed, Phys. & Biol. Vols.

SCHNEIDER, DR. ROBERT N(OEL), b. St. Louis, Mo., Feb. 16, 33; m. 59; c. 2. PSYCHOLOGY. A.B., Missouri, 57, M.A., 60, Ph.D.(psychol), 62. Psychometrist, counseling serv., Stephens Col., 57-58, counsr., 59-61; psychol. trainee, Vet. Admin. Hosp., Jefferson Barracks, Mo., 58-59 & 61-62, staff psychologist, 62-67; Psychol. Assoc., 67-68; DIR. COMMUNITY PSYCHOL. CONSULTS, 68- Instr., Washington, 65-67. Consult., Alton State Hosp., Ill., 67. U.S.A., 53-55. Psychol. Assn. Interpersonal process from human communications point of view; psychotherapy as growth-producing experience; relevance of psychological assessment to psychotherapies; application of behavioral science to social problems at all levels. Publ: Co-auth. Family therapy: understanding and changing behavior, In: Psychology in action, Macmillan, 67. Address: 118 Cherbourg Dr, St. Louis, Mo. 63129.

SCHNEIDER, DR. SHIRLEY S(IMS), Clinical Psychology, see LIBO, DR. SHIRLEY S(IMS).

SCHNEIDER, DR. STANLEY F., b. New York, N.Y., June 4, 22; m. 63; c. 1. PSYCHOLOGY. B.S., Cornell, 43; M.A., Michigan, 50, Ph.D.(psychol), 53. Instr. psychol., Michigan, 53-55, instr. & superv. clin. psychologist, med. sch., Michigan, 55-62; chief psychologist, Los Angeles Psychiat. Serv., 62-63; TRAINING SPECIALIST PSYCHOL., NAT. INST. MENT. HEALTH, 63- Lectr., California, Los Angeles, 62-63; clin. assoc., Southern California, 62-63. U.S.A., 43-46, S/Sgt. Psychol. Assn; Soc. Psychol. Study Soc. Issues; Soc. Proj. Tech. & Personality Assessment. Projective techniques; psychotherapy; psychopathology; pain. Address: Psychology Section, Behavioral Sciences Training Branch, National Institute of Mental Health, 5454 Wisconsin Ave, Chevy Chase, Md. 20203.

SCHNEIDER, DR. VERNON EARL, b. Cosby, Mo., Sept. 26, 25; m. 54; c. 5. AGRICULTURAL ECONOMICS, STATISTICS. B.S., Missouri, 50; M.S., Purdue, 60; Ph.D.(agr. econ), Oregon State, 62. Asst. ed. Successful Farming, Meredith Pub. Co., 50-54, assoc. ed., 54-58; asst. prof. agr. econ. Wisconsin, 62-64, assoc. prof., 64-66; DIR. AGR. RES. CENTER, STANFORD RES. INST., 66-, MGR. FOOD & AGR. ECON., 67- Int. Assn. Agr. Econ. int. travel grant, 64. Mem. Nat. Cmn. Food Mkt. Economist, 65-66; info. cmt. agr. res. inst. Nat. Acad. Sci-Nat. Res. Coun., 68. Prfnl. Writers award, 57. U.S.N., 43-46. Am. Soc. Agron; Am. Agr. Econ. Assn; int. Assn. Agr. Econ. Agricultural and food marketing; long-range planning; economics of food processing; international trade; agricultural prices and pricing; agricultural business management; communications. Publ: Co-auth. Agribusiness—the connecting link, Univ. Wisconsin, 65, An economic analysis of ryegrass seed... prices, production, movement, Exp. Sta. Bull. 585. Oregon State Univ. 6/62 & Analysis of the market structure of swine marketing in the United States, Nat. Cmn. Food Mkt., 12/65. Address: Stanford Research Institute, 820 Mission St., South Pasadena, Calif. 91030.

SCHNEIDER, DR. VICTOR L(LOYD), b. Saginaw, Mich., Apr. 2, 20; m. 46; c. 2. SOCIOLOGY. A.B., Michigan, 48, fel., 49-50, M.A., 55, Russell D. Sage Found. fel., 59-62, M.S.W., 62, Ph.D., 68. Asst. statist. dept. psychol., Michigan, 47-49, social psychol. res. center for group dynamics, 49; superv. staff asst. indust. mgt. Kaiser-Frazier Corp., 50-53; opers. expediter housing & relocation, Benjamin Rich Corp., 53-57; asst. prof. sociol., Hillsdale Col., 57-59; asst. group process & soc. orgn. sch. soc. work, Michigan, 61-62; asst. prof. soc. work, West Virginia, 62-65; COORDINATOR STUDENT RES. PROG. & ASST. PROF. SCH. SOC. WELFARE, WISCONSIN, 66- C.W.S., 42-46, 1st Lt. Sociol. Assn; Acad. Polit. & Soc. Sci. Human ecology demography; relationship between social structure, socialization, distribution of human resources and technological cultural and social change; community structure and social welfare patterns; knowledge foundations of social intervention. Publ: Community leaders welfare activity participation study; A follow-up study of former Project O.F.F. participants, 67 & A study of public welfare innovation: toward task specialization, 68, Sch. of Soc. Welfare, Univ. Wisconsin, Milwaukee. Address: School of Social Welfare, University of Wisconsin, Milwaukee, Wis. 53211.

SCHNEIDER, PRES. WILBERT M(ARION), b. Loyal, Okla., Apr. 15, 18; m. 41; c. 3. BUSINESS ADMINISTRATION. A.B., Union Col., 40; M.B.A., Oklahoma, 44; Ph.D.(econ), Southern California, 51. Acct. White Mem. Hosp., 41-42; head dept. bus. admin., Southwest Jr. Col., 42-45; prof. bus. admin. & head dept. econ. & bus. admin., Walla Walla Col., 45-53; Emmanuel Missionary Col., 53-55, acad. dean, 55-58; Loma Linda Food Co., 58-60; prof. bus. admin. & acad. dean, South. Missionary Col., 60-63; acad. dean, Pacific Union Col., 63-67; PRES. SOUTH. MISSIONARY COL., 67- Econ. Assn. Government finance; monetary management; international economics. Publ: History of American Bankers Association. Address: Southern Missionary College, Collegedale, Tenn. 37315.

SCHNEIDERMAN, PROF. LEO, b. New York, N.Y., Aug. 10, 25; m. 51; c. 2. CLINICAL PSYCHOLOGY. B.A., Brooklyn Col., 47; M.A., N.Y. Univ., 48, Ph.D.(psychol), 53. Res. asst. Naval res. proj. perception & personality, Brooklyn Col., 47-50; clin. psychologist, Galesburg State Res. Hosp., 51-53; Vet. Admin. Hosp., Lebanon, Pa., 53-56; PROF. PSYCHOL., EAST. CONN. STATE COL., 56-, CHMN. DEPT., 67- U.S.A., 45-46. Psychol. Assn. Psychology of religion and literature; study of values. Publ: Ramayana & Ram Lila from a psychological standpoint, Lit. East & West, 66; Death of Apsyrtus, Psychoanal. Rev., 67; Psychological notes on the nature of mystical experience, J. Sci. Study Relig., 67. Address: Dept. of Psychology, Eastern Connecticut State College, Willimantic, Conn. 06226.

SCHNEIDERMAN, DR. MARVIN A(RTHUR), Statist, see 11th ed, Phys. & Biol. Vols.

SCHNEIDERMAN, DR. NEIL, Psychol, see Suppl. V to 11th ed, Phys. & Biol. Vols.

SCHNEIDERS, PROF. ALEXANDER A(LOYSIUS), b. Sioux City, Iowa, Feb. 2, 09; m. 34; c. 7. PSYCHOLOGY. Ph.B. Creighton, 30; M.A. Georgetown, 31, Ph.D.(psychol), 34. Personnel asst, Nat. Arch. D.C. 35-36; instr. psychol, Loyola (Ill), 36-39, dir. student personnel & asst. prof. psychol, 39-45; assoc. prof. psychol, Detroit, 45-48, prof., 48-53, chmn. dept., 45-53; prof. & dir. psychol. serv, Fordham, 53-61; PROF. PSYCHOL, BOSTON COL., 61- Commonweal of Mass. res. grant, 66-67. Consult, Madonna Sch. for Girls, 67- Family Action award, 51. Psychol. Asn; Interam. Soc. Psychol. Mental hygiene; adolescence; personality dynamics. Publ: Personality dynamics & mental health, Holt, 65; Adolescents and maturity, Bruce, 65; co-auth. Counseling the adolescent, Chandler, 67. Address: 918 Commonwealth Ave, Newton Centre, Mass. 02159.

SCHNEIER, DR. EDWARD VINCENT, b. Bronx, N.Y., May 25, 39; m. 60; c. 2. POLITICAL SCIENCE. B.A. Oberlin Col, 60; M.A. Claremont Grad. Sch. & Grad. Center, 61, Ph.D.(govt), 63. Res. fel. govt, Brookings Inst, 63-64; ASST. PROF. polit. sci, Hopkins, 64-65; POLIT, PRINCETON, 65- Legis. asst. to Senator Birch Bayh, 63-64. Consult, Vista, 66-67. Polit. Sci. Asn. Party voting in legislative assemblies; the legislative process generally; political extremism especially the radical right. Address: Dept. of Politics, Princeton University, Princeton, N.J. 08540.

SCHNEIRLA, DR. T(HEODORE) C(HRISTIAN), b. Bay City, Mich, July 23, 02; m. 25; c. 2. PSYCHOLOGY. A.B. Michigan, 24, M.Sc. 25, Sc.D.(psychol), 28. Instr. psychol, N.Y. Univ, 27-29; asst. prof, 31-42, assoc. prof, 43-46, adj. prof, 48; assoc. curator ANIMAL BEHAV, AM. MUS. NATURAL HIST, 43-62, CURATOR, 47- Nat. Res. Coun. fel, Chicago, 30-31; Guggenheim Found. fel, 44-46; adj. prof, City Univ. New York, 65- Fel. AAAS; fel. Am. Acad; fel. Psychol. Asn; Soc. Nat; Soc. Zool; Ecol. Soc; Asn. Study Animal Behav. Mammalian behavioral development and learning; orientation and communication in ants; insect learning and instinct; problems in the comparative psychology of learning. Address: Dept. of Animal Behavior, American Museum of Natural History, 79th St. & Central Park W, New York, N.Y. 10024.

SCHNELL, DR. GEORGE A(DAM), b. Philadelphia, Pa, July 13, 31; m. 58; c. 2. GEOGRAPHY. B.S. West Chester State Col, 58; M.S. Pa. State, 60, Ph.D.(geog), 65. Asst. prof. GEOG. STATE UNIV. N.Y. COL. NEW PALTZ, 62-65, assoc. prof, 65-68, PROF. 68- Summers, Nat. Sci. Found. fel, inst. quant. methods geog, Ohio State Univ, 65 & vis. assoc. prof, Hawaii, 66. Consult, community action prog. private planning firm, N.Y. 64; mem. cmt. local geog, Nat. Sci. Found-Ford Found-Asn. Am. Geog. High Sch. Geog. Proj, 66-Sig.C. U.S.A. 42-54, Res, 54-60. Asn. Am. Geog; Nat. Coun. Geog. Ed. Population geography, especially population growth and suburbanization; economic geography, especially industrial and urban geography. Publ: Population growth and employment trends in Bucks County, Pennsylvania, 1950-1960, 63, co-auth. Recent population changes in the anthracite belt, 63 & auth. Factors affecting regional differences in work-residence separation in suburbs, 65, Proc. Pa. Acad. Sci. Address: 1 N. Mannheim Blvd, New Paltz, N.Y. 12561.

SCHNEPP, GERALD J(OSEPH), S.M, b. Chicago, Ill, May 9, 08. SOCIOLOGY. A.B. Dayton, 28; A.M. Catholic Univ, 32, Ph.D. 42. Prof. social, St. Mary's (Tex), 32-36, 38-45; soc. work, Our Lady of the Lake Col, 40-45; social, St. Louis, 47-54; St. Mary's (Tex), 54-61, v-pres. opers, 54-60; TREAS. GEN. SOC. OF MARY, ROME, 61- Chmn. Interracial Cmt, 40-45. Sociol. Asn. Industry council idea; family and marriage; religion; parish sociology; displaced persons; social progress; mixed marriages; divorce; child guidance; credit unions. Publ: A guide to Catholic marriage; Industrialism and the popes; To God through marriage. Address: Marianisti, Casa Generalizia, Via Latina 22, 00179 Rome, Italy.

SCHNEYER, DR. SOLOMON, b. New York, N.Y., Nov, 17, 20; m. 42; c. 2. PSYCHOLOGY. B.A. Michigan, 41; M.A. Syracuse, 51, Ph.D.(clin. psychol), 58. Res. analyst, U.S. Dept. State, 45-47; clin. psychologist, chronic disease res. inst, Univ. Buffalo, 51-58; chief psychologist, Family Serv. Soc. Buffalo, N.Y. 58; clin. psychologist, dept. phys. med. & rehab, E.J. Meyer Mem. Hosp, Buffalo, 56-57, sr. psychologist, dept. psychiatry, 57-58; consult, Cornell Aeronaut. Lab, 58, assoc. psychologist, 58-59, res. psychologist, 59-61; prog. specialist, res. grants & fela. br. Nat. Inst. Ment. Health, 61-62, asst. chief, PROG. ANAL. BR. NAT. INST. GEN. MED. SCI, 62-66, CHIEF, 66- Lectr, dept. psychol, Univ. Buffalo, 56-60, sch. soc. work, 58-60. U.S.A. 42-45. Psychol. Asn. Federal support of research and training in biosciences; manpower in biosciences; psychotherapy; psychodiagnostics; visual perception; characteristics of alcoholics; interdisciplinary teamwork; human factors in systems design; administration of mental health research. Address: Program Analysis Branch, National Institute of General Medical Sciences, Bethesda, Md. 20014.

SCHNITZEN, DR. JOSEPH P, b. York, Nebr, Mar. 1, 14; m. 52; c. 1. PSYCHOLOGY, HIGHER EDUCATION. B.A. Chicago, 52; Ph.D.(ed. psychol), Minnesota, 62. Asst. prof. psychol. & dean students, Shimer Col, 52-54; instr. ed. psychol. & counsr, Minnesota, 54-58; assoc. prof. PSYCHOL. & dir. student personnel serv, Tex. Col. Arts & Indust, 58-62; ASSOC. PROF. & DIR. COUNSELING & TESTING SERV, HOUSTON, 62- U.S.A. 42-49, Capt. Nat. Coun. Family Relis; Nat. Coun. Measurement in Ed; Personnel & Guid. Asn; Ed. Res. Asn; Asn. Higher Ed; Acad. Psychother. Utilization of scientific knowledge for change in education and/or psychotherapy; behavior change correlates of psychotherapy; psychological measurement in higher education. Address: Counseling & Testing Service, University of Houston, Houston, Tex. 77004.

SCHNITZER, PROF. MARTIN COLBY, b. Wilmette, Ill, Aug. 20, 27; m. 51; c. 3. ECONOMICS. B.A. Alabama, 49, M.B.A. 51; Ph.D.(econ), Florida, 60. Asst. prof. econ, Arkansas, 55-58; Florida, 58-60; PROF. BUS. VA. POLYTECH, 60- Ford Found. fela, Harvard & Virginia, 62-63; Am. Philos. Soc.

res. grants in Europe, 63-65 & 67; Resources for the Future res. grant, 68. Consult, Joint Econ. Cmt, U.S. Cong, 64-, House Ways & Means Cmt, 64-, Senate-House Subcom. Fiscal Policy, 67- Econ. Asn; cor. mem. Asn. Comp. Econ. European economic policy, particularly tax and employment policies; problems of rural poverty in the United States. Publ: Programs for re-locating workers, 66 & Guaranteed income schemes in selected governments of selected countries, 68, Joint Econ. Cmt, U.S. Cong; The Swedish investment reserve, Am. Enterprise Inst, 67. Address: Dept. of Business, Virginia Polytechnic Institute, Blacksburg, Va. 24061.

SCHNITZER, DR. ROBERT DAVID, b. Chicago, Ill, Sept. 18, 24; m. 51; c. 2. CLINICAL PSYCHOLOGY. B.A. Roosevelt, 49; M.S. Illinois, 56; Ph.D.(psychol), Brandeis, 61. Clin. psychologist, Conn. Valley Hosp, 55-58; asst. psychologist, McLean Hosp, 58-64, ASSOC. PSYCHOLOGIST, 61-, DIR. TRAINING CLIN. PSYCHOL, 65- Instr, Harvard Med. Sch, 61-; clin. assoc, Boston, 67- Dipl. clin. psychol, Am. Bd. Exam. Princl. Psychol, 67. Psychol. Asn. Address: McLean Hospital, Belmont, Mass. 02178.

SCHNORE, PROF. LEO F(RANCIS), b. Elyria, Ohio, Jan. 10, 27; m. 50; c. 2. SOCIOLOGY. A.B. Miami (Ohio), 50; M.A. Michigan, 51, Ph.D. 55. Instr. sociol, Brown, 54-56; asst. prof, Mich. State, 56-57; sociol. & biostatist, California, 57-59; assoc. prof. SOCIOL. WISCONSIN, 59-62, PROF, 62- Auxiliary res. award, Soc. Sci. Res. Coun, 62. U.S.A. 45-46. Sociol. Asn; Statist; Asn; Regional Sci. Asn; Pop. Asn; Sociol. Res. Asn; Int. Union Sci. Study Pop. Urban sociology; human ecology; population; methodology. Publ: The urban scene, Macmillan, 65; co-ed, The study of urbanization, Wiley, 65; Urban research and policy planning, Sage Pub, 67. Address: Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.

SCHNORE, DR. M(ODRIS) M(ORRIS), b. Latvia, Sept. 21, 25; nat. Can; m. 50; c. 2. PSYCHOLOGY. B.A. Western Ontario, 52, M.A. 54; Ph.D.(psychol), McGill, 57. Clin. psychologist, Westminster Hosp, London, Ont, 53-55; instr. PSYCHOL, WESTERN ONTARIO, 57-58, lectr, 58-59, asst prof, MID-DLESEX COL, 59-62, ASSOC. PROF, 62- Res. consult, Ont. Hosp, St. Thomas, 58- Am. Psychol. Asn; Can. Psychol. Asn. Short-term memory; aging; psychopathology. Publ: Individual patterns of physiological activity as a function of task differences and degree of arousal, J. Exp. Psychol; Length of hospitalization before and after tranquilizers, Can. Psychiat. Asn. J. 9: 43-45; Immediate memory for visual patterns, Psychonomic Sci, 8:421-422. Address: Dept. of Psychology, Middlesex College, University of Western Ontario, London, Ont, Can.

SCHNUR, PROF. ALFRED C(HARLES), b. Erie, Pa, July 30, 20; m. 53. SOCIOLOGY. A.B. Pittsburgh, 41; scholar, Wisconsin, 41-42, Ph.M. 44, Ph.D. 49. Instr. U.S. Armed Forces Inst, 44-45; asst. prof. & head Elliott Hall, Miami (Ohio), 45-49; asst. prof. sociol, Mississippi, 49-51, assoc. prof, 51-55; asst. prof, Ohio State, 55-56; assoc. warden, Minn. State Prison, 56-57; assoc. prof. SOCIOL, sch. police admin. & pub. safety, Mich. State, 57-60, prof, 60-66; VIS. PROF. BOWLING GREEN STATE, 66- Lectr, ed. center, Earlham Col, 46-49. Consult, State Senate Juvenile Delinquency Cmt, Penitentiary Cmt. & Judiciary Cmt, Miss; Legis. Fact Finding Cmt; Econ. Coun; admin. br. U.S. Courts, 51. Sociol. Asn; Soc. Criminol; Soc. Study Social Probs. Treatment evaluation; recidivism prediction; criminal statistics. Publ: Validity of parole selection in Wisconsin; After conviction what?; Predicting institutional and post-institutional conduct. Address: Dept. of Sociology, Bowling Green State University, Bowling Green, Ohio 43402.

SCHOCHET, DR. GORDON JOEL, b. Baltimore, Md, July 8, 37; m. 59. POLITICAL SCIENCE, POLITICAL PHILOSOPHY. A.B. Hopkins, 58, M.A. 61; Fulbright fel, Cambridge, 62-63; univ. fel. & Ph.D.(polit. sci), Minnesota, 66. Teaching asst. POLIT. SCI, Minnesota, 59-62; ASST. PROF, RHODE ISLAND, 64-65; RUTGERS, 65- Summers, Univ. California, Los Angeles Clark Library fel. Brit. hist, 66, Rutgers Univ. faculty fel, 67. Soc. Polit. & Legal Philos; Polit. Sci. Asn. Political thought of 17th century England; nature and methods of political philosophy. Publ: Thomas Hobbes on the family and the state of nature, Polit. Sci. Quart, 67; The family and the origins of government in Locke's political philosophy, In: Essays on John Locke, Cambridge Univ, 68; Patriarchalism, politics, and mass attitudes in Stuart England, Hist. J. 69. Address: Dept. of Political Science, Rutgers, The State University, New Brunswick, N.J. 08903.

SCHOCK, PROF. ADOLPH, b. Ashley, N.Dak, Aug. 2, 95; m. PSYCHOLOGY. B.D. Colgate-Rochester Divinity Sch, 24, M.Th. 30; fel. & Ph.B. Chicago, 29, M.A. 30, Ph.D. 31. Prof. philos. & relig, Shurtleff Col, 38-41; soc. sci, Oakland City Col, 42; William Penn Col, 43-44; philos. & psychol, Yankton Col, 44-54, registr, 47-54, dean, 49-54; asst. prof. PSYCHOL, SAN JOSE STATE COL, 54-65, EMER. PROF, 65- Publ: In quest of free land, Royal Vangorcum, Assen, Netherlands, 67. Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 95124.

SCHOCKEL, DR. BERNARD H(ENRY), Geog, Geol, see 10th ed, Soc. & Behav. Vols.

SCHOECK, PROF. HELMUT, b. Graz, Austria, July 3, 22; m. 47; c. 3. SOCIOLOGY. Munich, 41-45; Ph.D.(sociol), Tübingen, 48. Prof. soc. sci, Fairmont State Col, 50-53; vis. res. fel. sociol, Yale, 53-54; asst. prof, Emory, 54-58, assoc. prof, 56-65; PROF. SOCIOL. & DIR. INST. OF SOCIOL, MAINZ, 65- Sociological theory; social change; political and economic behavior. Publ: Financing medical care; Die soziologie und die gesellschaften, 64 & Der neid: eine theorie der gesellschaft, 68, Karl Alber, Freiburg. Address: Institute of Sociology, University of Mainz, 6500 Mainz 1, Postfach 39 80, West Germany.

SCHOEFFLER, DR. MAX S, Exp. & Eng. Psychol, see 11th ed, Phys. & Biol. Vols.

SCHOEFFLER, DR. SIDNEY, b. Berlin, Germany, May 1, 24; nat. ECONOMIC. B.S. N.Y. Univ, 45; A.M. Pennsylvania, 48; Ph.D. New Sch. Soc. Res, 52. Instr. econ, Massachusetts, 49-51, asst. prof, 51-55, assoc. prof, 55-59, prof, 59-67; economist, GEN. ELEC. CO, 56-67, MGR. LONG RANGE PLANNING, 67- Econ. Asn; Economet. Soc; Opers. Res. Soc. Am; Inst. Mgt. Sci.

- Methodology; decision theory; microeconomics. Publ: The failures of economics; Toward a general definition of rational action, Kyklos. Address: Room 1801, 570 Lexington Ave, New York, N.Y. 10022.
- SCHOEMAN, DR. LINDA H, b. New York, N.Y., Aug. 3, 37. CLINICAL PSYCHOLOGY. A.B. Vassar, 58; Margaret Floy Washburn & U.S. Pub. Health Serv. fcls, Yale, 58-59; Margaret Floy Washburn & U.S. Pub. Health Serv. fcls. & M.S. Columbia, 60, Ph.D.(clin. psychol), 65; N.Y. Univ. 67. Intern. clin. psychol, Mass. Ment. Health Center, 60-61; staff psychologist, N.Y. Univ. Consult. Center Alcoholism, 62-64; INSTR. PSYCHIAT, STATE UNIV. N.Y. DOWNSTATE MED. CENTER, 65- Psychol. Asn. Psychodiagnostics and psychotherapy with children and adults; personality theory; sleep and dreaming. Address: Dept. of Psychology, State University of New York Downstate Medical Center Hospital, Clarkson Ave, Brooklyn, N.Y. 11203.
- SCHOEN, PROF. STERLING H(ARRY), b. Dagget, Mich, Jan. 21, 18; m; c. 2. BUSINESS ADMINISTRATION, ECONOMICS. B.A. Lawrence Col, 39; M.A. Wisconsin, 41; M.B.A. Michigan, 42, Hicks fel, 46-48, Ph.D.(personnel & indust. mgt), 53. Lectr. indust. rels, Michigan, 46-49; from assoc. prof. to PROF. MGT, SCH. BUS. ADMIN, WASHINGTON (ST. LOUIS), 50- Ford Found. fel. behav. sci, Chicago, 62-63. Personnel consult, 53- U.S.A.A.F, 42-46. Soc. Personnel Admin.(ed, 53-55); Indust. Rel. Res. Asn; Sociol. Asn. Personnel management; labor and human relations. Publ: Personnel administration in small manufacturing companies. Address: School of Business & Public Administration, Washington University, St. Louis, Mo. 63130.
- SCHOENBECK, PROF. HENRY, Econ, see 10th ed, Soc. & Behav. Vols.
- SCHOENBERGER, PROF. WALTER S(MITH), b. Pittsburgh, Pa, Nov. 19, 20; m. 52; c. 1. POLITICAL SCIENCE, INTERNATIONAL POLITICS. A.B. Pittsburgh, 50, M.A. 53; Fletcher Sch. Law, 54, Fletcher Res. fel, 54-56, Ph.D.(int. rels, 63). Lectr. Am. govt, Pittsburgh, 52-53; asst. govt, Tufts, 54-56; instr. hwy. & govt, MAINE, 56-59, asst. prof, 59-63, assoc. prof, POLIT. SCI, 63-67, PROF. 67- Summers, instr, Tufts, 54, Boston, 56. U.S.N.R, 42-53, Lt. Polit. Sci. Asn; Int. Studies Asn; Soc. Polit. & Soc. Sci. International politics and organization; political geography; United States diplomacy; United States policy toward China; East Asian governments. Address: Dept. of Political Science, University of Maine, 33 N. Stevens, Orono, Maine 04473.
- SCHOENEMANN, PROF. JOHN ALFRED, b. Milwaukee, Wis, July 26, 23; m. 48; c. 2. AGRICULTURAL ECONOMICS, HORTICULTURE. B.S. Wisconsin, 50, M.S. 54, Ph.D.(agr. econ), 59. Instr. hort, WISCONSIN, 50-54, asst. prof, 54-59, assoc. prof, 59-61, PROF. AGR. ECON. & HORT, 61- Agr. Econ. Asn; Soc. Hort. Sci; Potato Asn. Am. Marketing vegetable crops; farm management on vegetable farms. Publ: Co-auth, Vegetable enterprise selection in central Wisconsin, Wis. Exp. Sta, 64 & Potential for fruit and vegetable processing in central Wisconsin, Wis. Exten. Serv, 64; auth, Extension leadership in problem solving, Proc. Am. Soc. Hort. Sci, 62. Address: 5605 Tolman Terr, Madison, Wis. 53711.
- SCHOENFELD, PROF. CLARENCE (ALBERT), b. Mineral Point, Wis, Dec. 16, 18; m. 44; c. 3. JOURNALISM. B.A. Wisconsin, 41, M.A. 49. Managing ed, Lake Mills Leader, Wis, 36-37; ed, Wis. Alumnus, 46-49; from asst. prof. to assoc. prof. JOURNALISM, WISCONSIN, MADISON, 49-61, PROF, 61-, WILDLIFE COL, 66-, DIR. SUMMER SESSIONS, 61-, COORDINATOR CONSERV. ED. PROGS, 66-, asst. to dean exten. div, 54-61, asst. dir. summer sessions, 55-61, asst. chancellor univ. center syst, 61-65. Assoc. dir, Univ. Wisconsin News Serv, 49-51, dir. off. ed. serv, 63-54; newspaper columnist, 55- Consult, Ford Found, 64; Carnegie Corp, Continental Army Command, 65. Mem. bd. dirs, Dembar Ed. Res. Serv, Inc, 62- U.S.A. 41-46, 51-52, Res, 52-, Lt. Col. Asn. Univ. Summer Sessions (pres, 68-69). Wildlife conservation reporting; public relations of education. Publ: Wisconsin sidroads to somewhere, Dembar Ed. Res. Serv, 66; co-auth, The American university in summer, Univ. Wisconsin, 67; auth, Cabins, conservation, and fun, A.S. Barnes, 68. Address: University of Wisconsin, 602 State St, Madison, Wis. 53706.
- SCHOENFELD, DR. EUGEN, b. Makacevo, Czech, Nov. 8, 25; U.S. citizen; m. 49; c. 4. SOCIOLOGY. B.A. Washington (St. Louis), 51, M.A. 61; Ph.D. (sociol), Southern Illinois, 67. ASSOC. PROF. SOCIOL. & DIR. RES. BUR, MEMPHIS STATE, 65- Publ: Identity and voting among the small town Jews, Sociol. Quart. (in press); Inter marriage and the small town: the Jewish case, J. Marriage & Family, (in press). Address: Dept. of Sociology, Memphis State University, Memphis, Tenn. 38111.
- SCHOENFELD, DR. HENRY, JR, b. Milwaukee, Wis, June 26, 13; m. 45; c. 4. COUNSELING PSYCHOLOGY. B.S. Wisconsin, 41, M.S. 47, Ph.D. 50. Counsr, student counseling center & asst. ed. & counseling psychol, Wisconsin, 46-50; consult, Rohrer, Hibler & Replogle, 50-57, PARTNER, 57-62; HENRY SCHOENFELD & ASSOCS, 62- U.S.A. 42-46, Capt. AAAS; Psychol. Asn; Personnel & Guid. Asn. Executive evaluation and development; counseling with management; individual counseling. Address: 615 E. Michigan St, Milwaukee, Wis. 53202.
- SCHOENFELD, PROF. WILLIAM N(ATHAN), Psychol, see 11th ed, Phys. & Biol. Vols.
- SCHOENNAUER, DR. ALFRED W. W, b. Seattle, Wash, Sept. 3, 23; m. 58; c. 3. MANAGEMENT, PERSONNEL & INDUSTRIAL RELATIONS. B.A. Washington (Seattle), 50, M.B.A. 59; Exec. Prog. Alumni Asn. fel, California, Los Angeles, 61, Ph.D. 62. Mem. staff, Erie R.R. Co, 50-55; traffic mgr. & div. traffic mgr. Superior Portland Cement, Inc. & Lone Star Cement Corp, 55-58; assoc. bus. California, Los Angeles, 60-61; asst. prof, MGT, Arizona State, 61-63; PORTLAND STATE COL, 63-65, ASSOC. PROF, 65- Ford Found. res. fel, 62; Found. Econ. Ed. fel. bus, 66. Practitioner, Interstate Commerce Comm. & Fed. Maritime Bd. U.S.A. 43-46, T/Sgt. Acad. Mgt. Management of organizations, including management of a police bureau, business and educational and religious organizations. Publ: Time-saved as a discretionary management tool for the airlines, J. Air Law & Commerce, fall 63; Management by design, Northwest Bus. Mgt. Summer
- 65; Behavior patterns of executives in business acquisitions, Personnel Admin, 1-2/67. Address: School of Business Administration, Portland State College, Portland, Ore. 97207.
- SCHOENWETTER, DR. JAMES, b. Chicago, Ill, Jan. 2, 35; m. 60; c. 1. ANTHROPOLOGY. B.A. Chicago, 55 & 56; M.S. Arizona, 60; Ph.D.(anthrop), Southern Illinois, 67. Curator, pollen lab, Mus. N.Mex, 63-67; ASST. PROF. ARCHAEOLOG, ARIZONA STATE, 67- Consult, Logan Mus, Beloit Col, 65 & 66; Smithsonian Inst, 66; Univ. Maryland, 67. AAAS; Soc. Am. Archaeol. Archaeological pollen analysis; methods and theory of cultural ecological research; New World archaeology. Publ: Pollen analysis of 18 archaeological sites, Chicago Natural Hist. Mus, 62; co-auth, The reconstruction of past environments, Ft. Burgwin Res. Center, 64 & Alluvial and palynological reconstruction of environments, Navajo reservoir district, Mus. N.Mex, 64. Address: Dept. of Anthropology, Arizona State University, Tempe, Ariz. 85281.
- SCHOEPPE, DR. AILEEN, b. United States. EDUCATIONAL PSYCHOLOGY. B.S. & M.S. Northwestern; Ph.D. Chicago, 51. From asst. prof. to ASSOC. PROF. ED. PSYCHOL, SCH. ED, N.Y. UNIV, 52- Fulbright lectr, Sydney, 61; lectr, Univ. Auckland, 67. Psychol. Asn; Ed Res. Asn. Adolescence; child socialization. Publ: Co-auth, Validation of development and adjustment hypothesis of adolescence, J. Ed. Psychol, Some factors affecting sixteen-year-olds, J. Abnorm. & Soc. Psychol. & Sex differences in adolescent socialization, J. Soc. Psychol. Address: School of Education, New York University, New York, N.Y. 10003.
- SCHOER, PROF. LOWELL A(UGUST), b. Fairmont, Minn, Jan. 7, 31; m. 54; c. 4. PSYCHOLOGY. B.A. Iowa, 58, M.A. 59, Ph.D.(ed. psychol), 61. Asst. prof. ED. PSYCHOL, IOWA, 61-64, assoc. prof, 64-67, PROF, 67- Consult, Army Mgt. Eng. Training Agency, 68- U.S.A. 53-57. Human learning; child development. Publ: Co-auth, Recent research in written composition, Nat. Coun. Teachers Eng, 66; auth, Statistics and measurement, Allyn & Bacon, 67; co-auth, Management, Wiley, 67. Address: Dept. of Educational Psychology, University of Iowa College of Education, Iowa City, Iowa 52240.
- SCHOETTLE, DR. ENID CURTIS BOK, b. Philadelphia, Pa, Feb. 14, 39; m. 65. POLITICAL SCIENCE. A.B. Radcliffe Col, 60; Ph.D.(polit. sci), Mass. Inst. Tech, 67. Res. assoc. proj. info. requirements, center priority anal. Nat. Planning Asn, 64; lectr. POLIT. SCI, Swarthmore Col, 65-67; ASST. PROF, MINNESOTA, MINNEAPOLIS, 68- Instr, Bryn Mawr Col, 66-67. Consult, President's Cmn. Marine Sci. Eng. & Resources, 67-68. AAAS; Polit. Sci. Asn. Theories of American public policy making, including conceptualizations of social benefits and costs; American defense policy; American policy for scientific research and development. Publ: The establishment of NASA, In: Knowledge and power: essays in science and government, Macmillan, 66; The state of the art in policy studies, In: The study of policy formation, Macmillan, (in press). Address: 1801 Emerson Ave. S, Minneapolis, Minn. 55403.
- SCHOFER, DR. JOSEPH L(ANDY), b. Columbus, Ohio, Feb. 19, 41. SYSTEMS ENGINEERING. B.E. Yale, 63, Carnegie fel, 63-64; M.S. Northwestern, 65, Ph.D.(civil eng), 68. Asst. instr. eng, Yale, 63-64; res. assoc, transportation center, Northwestern, 66-67; ASST. PROF. SYSTS. ENG. & ASST. DIR. SYSTS. ENG, CENTER URBAN STUDIES, ILLINOIS, CHICAGO, 67- Mem. cmt. community values, Hwy. Res. Bd, Nat. Acad. Sci-Nat. Res. Coun, 68- Soc. Civil Eng; Opers. Res. Soc. Am; Regional Sci. Asn. Transportation systems analysis and planning; urban systems analysis; systems evaluation. Publ: Co-auth, Introduction to a systems approach to transportation problems, Transportation Center, Northwestern, 66; Strategies for the evaluation of alternative transportation plans, Hwy. Res. Bd, Nat. Acad. Sci-Nat. Acad. Eng, (in prep); Toward the development of more responsive urban and transportation system models, J. High Speed Ground Transportation, 5/67. Address: 1337 W. Fargo Ave, Chicago, Ill. 60626.
- SCHOFF, DR. LEONARD HASTINGS, b. Philadelphia, Pa, Nov. 7, 84; m. 17. ECONOMICS. B.A. Harvard, 04, M.A. 05; Ph.D. Columbia, 46. ASSOC. SOC. RES. COLUMBIA, 46- Pres, Irving Worsted Co, Pa, 12-62; operator, K-9 Ranch Dairy Farm, 36- Agricultural economics; rural culture; rural education. Publ: National Agricultural policy for all the people of the United States; National rural policy for all the people of the United States; Development of educational responsibility for qualities of personality necessary for employment and citizenship. Address: K-9 Ranch, R.D. 1, Parkesburg, Pa. 19310.
- SCHOFIELD, DR. ROBERT E(DWIN), Hist. of Sci, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SCHOFIELD, PROF. WILLIAM, b. Springfield, Mass, Apr. 19, 21; m. 46; c. 2. PSYCHOLOGY. B.S. Springfield Col, 42; M.A. Minnesota, 46, Ph.D. 48. Instr. PSYCHOL, MINNESOTA, MINNEAPOLIS, 47-48, asst. prof, 48-51, assoc. prof, 51-59, PROF, 59- Consult, Vet. Admin, 50-; Minneapolis Gen. Hosp, 55-; child study dept, Minneapolis Bd. Ed, 56- Mem. med. policy adv. cmt, Minn. Dept. Pub. Welfare, 60-; adv. cmt, med. col. aptitude test, Asn. Am. Med. Cols, 63- U.S.A.A.F, 43-46, Sgt. AAAS; Psychol. Asn. Evaluation of psychiatric therapy; objective techniques for psychodiagnostics; life history in mental illness. Publ: Psychotherapy: the purchase of friendship, Prentice-Hall, 64. Address: University of Minnesota Medical School, Minneapolis, Minn. 55455.
- SCHOGGER, PROF. PHIL, b. Okla, Aug. 28, 23; m. 44; c. 4. PSYCHOLOGY. A.B. Park Col, 46; M.A. Kansas, 51, Ph.D.(psychol), 64. Res. assoc, Wayne State, 54-55; Kansas, 55-57; from asst. prof. to assoc. prof, Oregon, 57-66, asst. dean col. lib. arts, 65-66; PROF. PSYCHOL. & CHMN. DEPT, GEORGE PEBODY COL, 66- U.S.N.R, 43-46, 50-51, Lt. Comdr. AAAS; Psychol. Asn; Soc. Res. Child Develop. Psychological ecology; child psychology. Address: Dept. of Psychology, George Peabody College, Nashville, Tenn. 37203.
- SCHOHAN, BENJAMIN, b. Boston, Mass, Oct. 10, 19; m. 46; c. 3. PSYCHOLOGY. B.S. Tufts, 49; M.A. Tennessee, 50. Res. assoc, Ed. Res. Corp, 50-

- 52; res. psychologist, spec. devices center, Off. Naval Res, 52; res. assoc. psychol. Am. Inst. Res, 52-53; proj. dir. & head human eng. detachment, Wright Air Develop. Center, 53-56; sr. res. engr. N.A.M. Aviation, Inc, 57-58, res. eng. specialist, 58-60, proj. engr, 60-61, HEAD HUMAN FACTORS, 60-67, N.A.M. ROCKWELL CORP, 67- U.S.A.A.F, 42-45, 1st Lt. AAAS; Psychol. Asn; Human Factors Soc. Systems requirements and design; training requirements and devices. Publ: Human factors recommendations for cockpit procedures trainers, U.S. Air Force Tech. Reports, 56; co-auth, Performance and physiological responses of pilots in simulated low altitude high speed flight, Aerospace Med, 2/65 & Task loading of pilots in simulated low altitude high speed flight, Human Factors J, 2/65. Address: 398 Catawaba Ave, Westerville, Ohio 43081.
- SCHOLLES, DR. ROBERT JAMES, Ling, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- SCHOLNICK, DR. ELLIN KOFISKY, b. Brooklyn, N.Y., July 10, 36; m. 65. DEVELOPMENTAL PSYCHOLOGY. A.B. Vassar Col, 58; U.S. Pub. Health Serv. fel. & Ph.D. (psychol), Rochester, 63. Res. assoc. residential treatment center, Convalescent Home Children, 61-62; instr. med. psychol, sch. med, Hopkins, 63-67, ASST. PROF, 67; PSYCHOL, MARYLAND, 67- Lectr, Goucher Col, 64-65; univ. gen. res. bd. summer grant, Maryland, 68. Psychol. Asn; Soc. Res. Child Develop. Cognition; clinical psychology. Publ: Co-auth, Stimulus uncertainty as a variable in the development of conceptual ability, J. Exp. Child Psychol, 2: 264-279 & In: Contemporary issues in developmental psychology, Holt, 67; auth, A scalogram study of classificatory development, Child Development, 37: 199-204 & In: Logical thinking in children: research based on Piaget's theory, Holt, Vol. I, 67; co-auth, Free classification in children, Child Develop, 38: 927-934. Address: Dept. of Psychology, University of Maryland, College Park, Md. 20740.
- SCHOLZ, PROF. KARL W(ILLIAM) H(ENRY), Econ, see 10th ed, Soc. & Behav. Vols.
- SCHON, DR. DONALD A, b. U.S., Sept. 30, 30; m; c. 2. INDUSTRIAL PSYCHOLOGY. B.A. Yale, 51; Woodrow Wilson fel. & M.A. Harvard, 52, Ph.D. (philos), 55. Lectr. philos, California, Los Angeles, 54-55; asst. prof, Univ. Kansas City, 55-57; group leader indust. psychol. res, Arthur D. Little, Inc, 57-63; dir. off. tech. serv, U.S. Chamber Commerce, 63; dir. inst. appl. tech, Nat. Bur. Standards, 64; PRES. ORGN. SOC. & TECH. INNOVATION, 65- Instr, Boston, 44-55. U.S.A. 55-57. Philos. Asn. Psychology of invention; processes of practical decision; theory-forming, logic and methodology. Publ: Technology and change, Delacorte, 67; Problems of innovation in American industry, Off. Tech. Serv, 63; Champions for radical new inventions, Harvard Bus. Rev, 63. Address: Organization for Social & Technical Innovation, 264 Third St, Cambridge, Mass. 02142.
- SCHON, DR. MARTHA, b. Vienna, Austria, Aug. 2, 14; nat; m. 41; c. 2. CLINICAL PSYCHOLOGY. Univ. Vienna, Austria, 33-38; M.S. City Col. New York, 50; fel, Sloan Kettering Inst. Cancer Res, 55-58; Ph.D. (clin. psychol), N.Y. Univ, 57. Clin. psychologist, Dr. J.E. Harty, Conn, 50-55; asst. clin. res. psychologist NEUROPSYCHIAT, MEM. HOSP. CANCER, 58-60, ASSOC. CLIN. RES. PSYCHOLOGIST, 60- Intern, Kings County Hosp, N.Y., 51-52; res. assoc, Sloan Kettering Inst. Cancer Res, 58-60; res. specialist, Rutgers, 60-61; supv. psychologist, N.Y. Clinic Ment. Health, 61- AAAS; Psychol. Asn; fel. Soc. Proj. Tech. & Personality Assessment; fel. Royal Soc. Med; fel. Int. Coun. Psychol; fel. N.Y. Acad. Sci. Psychoendocrinology; psychological effects of hypothyroidism: management of psychological problems in cancer patients; etiology of paranoid reactions in postoperative psychoses; psychological preparation for surgery; depression in cancer patients. Publ: Hypophysectomy as a psychological experience, Diseases Nerv. Syst. Mongr. Suppl. 4/63; The relationship of pituitary hormones to sexual behavior in women, In: Advances in sex research, Harper, 63; Hypothyroidism, a psychoendocrinological evaluation, Psychosomatics, 7-8/64. Address: 10 W. 86th St, New York, N.Y. 10024.
- SCHONBAR, DR. ROSALEA ANN, Clin. Psychol, see 10th ed, Soc. & Behav. Vols.
- SCHÖNEMANN, DR. PETER H(ANS), b. Pethau, Germany, July 15, 29; m. 61; c. 2. PSYCHOLOGY, PSYCHOMETRICS. Vordiplom, Munich, 56; Hauptdiplom, Göttingen, 59; Ph.D. (psychol), Illinois, 64. Nat. Inst. Ment. Health fel, psychomet. lab, North Carolina, 64-65; asst. prof. PSYCHOL, OHIO STATE, 65-67, ASSOC. PROF, 67- Vis. res. fel, Ed. Testing Serv, N.J., 67-68. Psychomet. Soc. Multivariate research methods in the neighborhood of factor analysis; scaling methods; least squares techniques. Publ: Auth, A generalized solution of the orthogonal Procrustes problem, 31: 1-10, Varism: a new machine method for orthogonal rotation, 31: 235-247 & co-auth, A maximum likelihood solution for the method of successive intervals allowing for unequal stimulus dispersions, 68, Psychometrika. Address: Dept. of Psychology, Ohio State University, Columbus, Ohio 43210.
- SCHONFIELD, PROF. AHRON ELIEZER DAVID, b. Baden, Austria, Aug. 31, 20; Can. citizen; m. 53; c. 1. PSYCHOLOGY. B.A. Cambridge, 48, M.A. 50; dipl. psychol, London, 51. Asst. prin, Ministry Info, U.K., 42-45; control officer ed, For. Off, U.K., 45-48; res. worker psychol, Med. Res. Coun, 49-50; psychologist, Bolton County Borough, 51-55; sr. clin. psychologist, East Anglia Health Coun, 55-57; asst. prof. ed. psychol, CALGARY, 57-59, assoc. prof. PSYCHOL, 59-65, PROF, 65-, head dept, 62-65. Nat. Res. Coun. sr. res. fel, 67-68; vis. prof, inst. study retirement & aging & dept. psychol, Southern Calif, 67-68. Brit. Home Guard, 42-45. Geront. Soc; Can. Psychol. Asn; Brit. Psychol. Soc. Age changes in behavior; variables influencing human learning; training older workers in industry; organization of memory; remedial reading. Publ: Special difficulties at a reading age of 8+, Brit. J. Ed. Psychol, 56; Memory changes with age, Nature, 65; Memory loss with age, Psychol. Reports, 66. Address: Dept. of Psychology, University of Calgary, Calgary, Alta, Can.
- SCHOOLER, DR. CARM, b. New York, N.Y., Oct. 4, 33; m. 56; c. 2. SOCIAL PSYCHOLOGY. B.A. Hamilton Col, 54; Ph.D. N.Y. Univ, 59. RES. PSYCHOLOGIST, LAB. SOCIO-ENVIRONMENTAL STUDIES, NAT. INST. MENT. HEALTH, 59- AAAS; Psychol. Asn. Social psychology of schizophrenia; personality development; cross-cultural research; social psychological effects of class and occupation. Publ: Co-auth, Experimental studies of schizophrenia, Psychonomics, 67. Address: 1731 34th St, N.W., Washington, D.C. 20007.
- SCHOOLER, DR. KERMIT K(OPPEL), b. Rochester, N.Y., Aug. 4, 23; m. 54; c. 3. PSYCHOLOGY. B.S. Michigan, 43, Ph.D. (psychol), 56; M.A. Rochester, 49. Asst. study dir. surv. res. center, Michigan, 49-51, study dir, 51-52; radio surv. specialist, U.S. Info. Serv, U.S. Dept. State, 52-53; dir. consumer res, William Esty, Inc, 53-54; proj. dir, Alfred Politz Res, Inc, 54-58; mem. res. staff, Arthur D. Little, Inc, 58-62; faculty assoc. in res, FLORENCE HELLER SCH, BRANDEIS, 62-63, asst. prof. SOC. RES, 63-65, ASSOC. PROF, 65-, DIR. RES. CENTER, 66- U.S.N.R., 42-46, Lt.(jg). Psychol. Asn; Soc. Psychol. Study Social Issues; Geront. Soc. Attitudes and values; social gerontology; social organization of medical care; administration of social research. Address: 294 Highland Ave, West Newton, Mass. 02165.
- SCHOOMAKER, DR. ALAN N, b. Hackensack, N.J., Nov. 4, 36; m. 61; c. 1. INDUSTRIAL & SOCIAL PSYCHOLOGY. B.A. Monmouth Col, 61; Ph.D. (psychol), California, Berkeley, 66. ASST. PROF. psychol, California, Los Angeles, 65-66; PSYCHOL. & INDUST. ADMIN, CARNEGIE-MELLON UNIV, 66-, ASST. DEAN GRAD. SCH. INDUST. ADMIN, 68- Consult, Xerox Corp, 66; Reput. Steel Corp, 66; Westinghouse Elec. Corp, 66- U.S.M.C., 54-57. Psychol. Asn. Management development; organization theory; psychology of the stock market; executive career strategy. Publ: What price career myopia, MBA; Individualism in management, Calif. Mgt. Rev; What to emphasize in motivating people, Pub. Rels. J. Address: Graduate School of Industrial Administration, Carnegie-Mellon University, Pittsburgh, Pa. 15213.
- SCHOONOVER, DR. SARAH M(OREHART), b. Syracuse, N.Y., Mar. 27, 25; m. 50; c. 3. EDUCATIONAL PSYCHOLOGY. A.B. Syracuse, 46, A.M., 49; Ph.D. (psychol), Michigan, 53. Personnel asst, Sears, Roebuck & Co, 46-48; asst. psychometrician, Michigan, 48-49, head psychometrician, 49-51; supvr. testing prog, Sylvania Elec. Prod, Inc, 51-52; lectr. child develop, Ohio Northern, 57-58; staff psychologist, Northwest Guid. Center, Inc, Ohio, 58-62, acting chief psychologist, 62-63; chief psychologist, HANCOCK COUNTY MENT. HEALTH CLIN, 63-66, PSYCHOLOGIST DIR, 66- Private practice, 64- Psychol. Asn; Group Psychother. Asn. Siblings; child growth patterns; psychotherapy; diagnostic implications of Wechsler intelligence scale for children. Publ: Siblings resemblances in achievement; Longitudinal study of sibling resemblances in intelligence and achievement & Relationship of intelligence and achievement to birth order, sex of sibling and age interval, J. Ed. Psychol. Address: 550 N. Thomas St, Ottawa, Ohio 45875.
- SCHOONOVER, PROF. THELMA I(RENE), b. Columbus, Ohio, Jan. 8, 07. EDUCATIONAL & DEVELOPMENTAL PSYCHOLOGY. B.Sc. Ohio State, 27, M.A. 48, Ph.D. (psychol), 55. Supvr. County Bds. Ed, Ohio, 27-33; counsr, Columbus Soc. Serv. Agencies, 33-44; dir. counseling & guid, Franklin Univ, 44-47; teacher music & psychologist, Upper Arlington Bd. Ed, Ohio, 47-50; chief psychologist, Akron Bd. Ed, 50-54; assoc. prof. PSYCHOL, CAPITAL UNIV, 54-60, PROF, 60-, CHMN. DEPT, 62- Vis. prof, Miami (Ohio) & Ore. State Col, 58-61; Ohio State, 58- Consult, Florence Crittenton Homes, 34-40; Ohio Pardon & Parole Cmn, 55-58; Civil Serv. Cmn, 60- Psychol. Asn. Criteria for and measurement of teacher effectiveness. Publ: Co-auth, Measurement for teachers, Merrill, 68; Description of a self-appraisal questionnaire for teachers in service & Self-evaluation as a means of growth for teachers in service, Ed. Admin. & Supv. Address: Dept. of Psychology, Capital University, Columbus, Ohio 43209.
- SCHOPLER, DR. ERIC, b. Furth, Germany, Feb. 8, 27; m. 53; c. 3. PSYCHOLOGY, EDUCATION. A.B. Chicago, 49, U.S. Pub. Health Serv. fel, 53-55, Soc. Serv. Admin. fel. & M.A. 55, univ. scholar, 60-62, Nat. Inst. Ment. Health fel, 62-64, Cmt. Human Develop. fel. & Ph.D. (child psychol), 64. Counsr. family probs, Family Serv. Rochester, 55-58; acting chief psychiatrist, soc. work, Bradley Hosp, Riverside, R.I., 58-60; res. assoc. childhood psychosis, Treatment & Res. Center Child Schizophrenics, Chicago, Ill, 60-64; DIR. RES. DEVELOP. CHILDHOOD PSYCHOSIS PROJ, SCH. MENT. NORTH CAROLINA, CHAPEL HILL, 61- Res. grants, Nat. Inst. Ment. Health, 64-68 & U.S. Off. Ed, 68- U.S.A., 45-47. AAAS; fel. Orthopsychiat. Asn; Psychol. Asn. Childhood psychosis and autism; normal and deviant perceptual development; family interaction; special education teaching techniques. Publ: Early infantile autism and receptor processes, Arch. Gen. Psychiat, 65; Visual versus tactual receptor preference in normal and schizophrenic children, J. Abnorm. Psychol, 66; co-auth, Teaching family dynamics to medical students, Am. J. Orthopsychiat, 67. Address: University of North Carolina Memorial Hospital, Dept. of Psychiatry, Chapel Hill, N.C. 27514.
- SCHOR, PROF. STANLEY, Statist, see Suppl. V to 11th ed, Phys. & Biol. Vols.
- SCHORGER, PROF. WILLIAM D(AVISON), b. Madison, Wis., July 26, 21. CULTURAL ANTHROPOLOGY. A.B. Harvard, 47, Sheldon fel, 48-49, A.M., 49, Soc. Sci. Res. Coun. fel, 49-51, Ph.D. (anthrop), 52. Asst. prof. & res. assoc. American Univ. Beirut, 49-51; asst. prof, North Carolina, 51-52; from asst. prof. to assoc. prof. ANTHROP, MICHIGAN, 52-62, PROF, 62-, DIR. CENTER NEAR EAST. & N. AFRICAN STUDIES, 61- Fel. Anthropol. Asn. Social and cultural anthropology of Near East and North Africa; socio-economic organization peasant communities. Address: Dept. of Anthropology, 221 Angell Hall, University of Michigan, Ann Arbor, Mich. 48104.
- SCHORR, DR. THOMAS S, b. New Orleans, La., Jan. 3, 36; m. 67; c. 2. ANTHROPOLOGY. B.A. Tulane, 59, Ph.D. (anthrop), 65; For. Area Fel. Prog. fel, Colombia, 62-64. Asst. prof. anthrop. & coordinator sociol-anthrop. unit, Int. Center Med. Res. & Training, Cali, Colombia, 65-67; ASST. PROF. ANTHROP, PITTSBURGH, 67- U.S. Pub. Health Serv. grant, 65- U.S.N.R., 54-67, Lt.(jg). AAAS; fel. Anthropol. Asn; Soc. Photogram; Human Ecol. Soc. Latin American peasantry; culture change; communications and culture;

- cultural ecology: ethnographic cinematography. Publ: Cauca Valley settlements, Acts, 37th Int. Cong. Americanists, 66. Address: Dept. of Anthropology, University of Pittsburgh, Pittsburgh, Pa. 15213.
- SCHOTT, DR. JOHN ROBERT, b. Rochester, N.Y., Jan. 30, 36; m. 63; c. 2. POLITICAL SCIENCE. B.A. Haverford Col., 57; Rotary Found. fel., Oxford, 57-58, Coslett Found. scholar, 58-59; univ. fel., Harvard, 59-60, Ph.D.(polit. sci.), 63; Fulbright fel., Makerere Univ. Col., Uganda, 62-63. Res. assoc. govt. studies, Brookings Inst., 60-61; resident tutor, Eliot House, Harvard Col., 60-64; instr. polit. sci., Wellesley Col., 64-66; ACTING CHIEF TITLE IX DIV., POLICY PLANNING STAFF, U.S. AGENCY INT. DEVELOP., 66- Mem. U.S. del. World Assembly Int. Secretariat Volunteer Serv, India, 67. Polit. Sci. Asn; fel. African Studies Asn. Political development and theory. Address: Francetown, N.H. 03043.
- SCHRADER, DR. LEE F (REDERICK), b. Okawville, Ill., Mar. 11, 33; m. 58; c. 3. AGRICULTURAL ECONOMICS. B.S., Illinois, 55; M.S., Mich. State, 58; Ph.D.(agr. econ), California, Berkeley, 61. Buyer, Lever Bros. Co., 61-65; economist, Armour & Co., 65-66; ASSOC. PROF. AGR. ECON., PURDUE, 66-Sig.C, U.S.A.R., 55-57, 1st Lt. Agr. Econ. Asn. Agricultural marketing; marketing efficiency; prices. Publ: Co-auth. Relation of profit rates to industry structure in the food industries, 12/60 & Regional location of beef cattle feeding, 2/62, J. Farm Econ; co-auth. Regional location of cattle feeding - a spatial equilibrium analysis, Hilgardia, 7/63. Address: Dept. of Agricultural Economics, Purdue University, Lafayette, Ind. 47907.
- SCHRADER, DR. WILLIAM B (ENTON), b. Milton, Pa., Apr. 25, 14; m. 40; c. 1. PSYCHOLOGY. A.B., Bucknell, 34, A.M., 35; Ph.D.(psychol), Ohio State, 40. Asst. psychol., Ohio State, 37-40; asst. prof., Tennessee, 40-42, assoc. prof. & dir. flight res., inst. aviation, 46-47; res. assoc. ED. TESTING SERV., 47-49, sect. head statist. anal., 49-51, asst. dir., 51-52, head, 52-54, dir., 54-57, SR. RES. PSYCHOLOGIST, 67- Vis. lectr., Rutgers, 55-59, 61- Consult, Vargas Found., Brazil, 67. U.S.A., 43-45. Psychol. Asn; Psychomet. Soc. (treas., 57-60, secy., 67-); Statist. Asn. Psychological tests; test validation; score interpretation. Publ: Co-auth. Adjustment to college; Academic achievement of veteran and nonveteran students, Psychol. Monogr. Address: 265 Western Way, Princeton, N.J. 08540.
- SCHRAG, PROF. CLARENCE C (LYDE), Sociol., see 10th ed, Soc. & Behav. Vols.
- SCHRAG, PROF. F. J (AMES), b. Marion, S.Dak., June 30, 13. SOCIOLOGY. A.B., Bethel Col., 35; B.D., Hartford Sem. Found., 39; Ph.D., Chicago, 45. Asst. prof. SOCIOL., Toledo, 45-47; PROF. & HEAD DEPT., Franklin Col., 47-48; WITTENBERG, 48- Sociol. Asn. Delinquency and racial minority groups; measuring basic attitudes as an aid to racial planning. Publ: Contrib. An introduction to the social sciences. Address: Dept. of Sociology, Wittenberg University, Springfield, Ohio 45504.
- SCHRAG, PROF. WILLIAM A., b. Philadelphia, Pa., May 10, 06. FINANCE. B.S., Temple, 29; M.B.A., Harvard, 31; D.C.S., N.Y. Univ., 47. Instr. statist., TEMPLE, 31-37, asst. prof. FINANCE, 37-43, assoc. prof., 43-51, PROF., 51-, armed forces adv. 42-43, assoc. registr., 43-44, coordinator vet. ed., 44-46, asst. dean sch. bus. & pub. admin., 46-55, dean Community Col. & tech. inst., 55-67. Econ. Asn; Finance Asn. Corporation finance. Address: School of Business, Temple University, Philadelphia, Pa. 19122.
- SCHRAM, DR. GLENN N (ORMAN), b. Hammond, Ind., Aug. 7, 39. POLITICAL SCIENCE. A.B., Indiana, 61, M.A., 63, Ph.D.(polit. sci.), 67; Fed. German Govt. fel., Free Univ. Berlin, 65-66. ASST. PROF. POLIT. SCI., MARQUETTE, 67- Polit. Sci. Asn. Comparative government, Western Europe; political theory, normative and empirical. Address: Dept. of Political Science, Marquette University, Milwaukee, Wis. 53233.
- SCHRAMM, JOHN C (LARENDON), b. Tarrytown, N.Y., July 5, 08; m. 36; c. 3. ECONOMICS. A.B., Columbia, 29, A.M., 43. Dir. radio forum, Am. Econ. Found., 44-48; asst. prof. commun. Florida, 48-49; MANAGING TRUSTEE, CALVIN K. KAZANIAN ECON. FOUND., INC., WILTON, 49- Lectr., Connecticut, 65, 67 & 68. Consult. dept. church & econ. life, Nat. Coun. Churches, 51- Econ. Asn. History; economics and ethics; comparative economic systems; economic education. Controversial areas of the American economy; Consensus and ideology in economic education, Challenge Mag., 4.63. Address: R.D. 2, West Redding, Conn. 06896.
- SCHRAMM, PROF. WILBUR, b. Marietta, Ohio, Aug. 5, 07; m. 34; c. 2. SOCIOLOGY, PSYCHOLOGY. B.A., Marietta Col., 28, hon. Litt.D., 45; M.A., Harvard, 30; Ph.D.(Am. civilization), Iowa, 32. From asst. prof. to prof., Iowa, 34-41, prof. & dir. sch. journalism, 43-47, founder, Iowa Bur. Audience Res., 46; prof. & dir. inst. commun. res., Illinois, 47-55, dean div. commun., 50-54; PROF. COMMUN. & DIR. INST. COMMUN. RES., STANFORD, 55- Ed. dir., Off. War Info, 42-43; fel. Center Adv. Study Behav. Sci., 59-60. AAAS; Sociol. Asn; Asn. Ed. Journalism; Asn. Pub. Opinion Res; Psychol. Asn. Communication and information theory; communication process; social structure of communications. Publ: Mass media and national development, Stanford, 64; The new media, UNESCO, France, 67; Communication and change, East-West Center, 67. Address: Institute for Communication Research, Stanford University, Stanford, Calif. 94305.
- SCHRAMPFER, PROF. W (ILLIAM) H (ERMAN), b. Gemund, Germany, Mar. 14, 03; nat; m. 26; c. 2. INDUSTRIAL ADMINISTRATION. A.B., Iowa, 26, J.D. 28. From instr. to PROF. INDUST. ADMIN. & HEAD DEPT., IOWA STATE, 29- Econ. Asn; Bar Asn. Law in its application to business; the law of business. Address: Dept. of Industrial Administration, Iowa State University, Ames, Iowa 50010.
- SCHRAZT, PROF. WALTER A (LFRED), Econ., see 10th ed, Soc. & Behav. Vols.
- SCHREIBER, PROF. PAUL, b. Potsdam, Germany, July 3, 11; nat; m; c. 3. SOCIAL WORK. Dr. jur., Freiburg, 34; M.S.S.A., Pittsburgh, 44. Res. analyst, Dept. Welfare, Md., 44-48; asst. prof. sch. soc. work, Pittsburgh, 48-51; prof. & dean, Adelphi Col., 51-56, res. consult., voc. rehab. study, 55-56; PROF. SOC. WORK & DEAN SCH. SOC. WORK, HUNTER COL., 56- Consult, Conn. Child Study Home, 52; State Dept. Ment. Hyg. Rehab. Study, N.Y., 56-58; childrens bur., Dept. Health, Ed. & Welfare, 59, adv. mem., off. voc. rehab., 60-; res. consult., health dept. & dept. soc. serv., New York City; Ministry of Soc. Welfare, State of Israel. Mem. cmt. res. Family Serv. Asn. Am., 63; soc. work training cmt., Nat. Inst. Ment. Health, 66; dept. soc. serv., Mayor's Adv. Bd., 67. Nat. Asn. Soc. Workers; Coun. Soc. Work Ed; Pub. Welfare Asn; Soc. Study Social Probs. Social work research and history; public welfare. Publ: Handbook of counseling techniques, Pergamon; How effective is the treatment of juvenile delinquency? Address: School of Social Work, Hunter College, New York, N.Y. 10021.
- SCHREIBER, DR. ROBERT J (AMES), b. Rockford, Ill., May 15, 28; m. 49; c. 3. INDUSTRIAL ENGINEERING. A.B., Illinois, 48, A.M., 49; N.Y. Univ. Ph.D. (indust. eng.), Columbia, 57. Asst. human eng., Dunlap & Assocs., Inc., 49-50, jr. res. assoc., 50-53, sr. res. assoc. ops. res., 53-56, proj. dir., 56-58, prog. dir., 58-59; v-pres. ops. res., psychol. & pub. health, Pub. Serv. Res., Inc., 59-61, pres. pub. health, 61-62; res. dir. mkt., Marplan Div., Commun. Affiliates, Inc., 62-64; ASSOC. DIR. RES. TIME, INC., 64- Lectr., Columbia, 57. Psychol. Asn; Ops. Res. Soc; Inst. Mgt. Sci; Statist. Asn. Management science. Publ: Contrib. to J. Exp. Psychol., J. Appl. Psychol. and J. Ops. Res. Soc. Address: 439 Pepper Ridge Rd., Stamford, Conn. 06905.
- SCHREMS, DR. JOHN J., b. Saginaw, Mich., July 8, 36; m. 60; c. 5. POLITICAL SCIENCE. A.B., Aquinas Col., 58; M.A., Catholic Univ., 60, Ph.D.(polit.), 65. Instr. POLIT. SCI., Mt. St. Mary's Col.(Md.), 61-65; ASST. PROF., VILLANOVA, 65- Polit. Sci. Asn. Political theory and philosophy. Publ: Ernst Cassirer and political thought, Rev. Polit., 4/67. Address: 113 Petrie Ave., Rosemont, Pa. 19010.
- SCHRENK, DR. LORENZ P (HILIP), b. Utica, N.Y., Feb. 8, 32; m. 56; c. 3. EXPERIMENTAL PSYCHOLOGY. A.B., George Washington, 54; M.A., Ohio State, 62, Ph.D.(exp. psychol.), 64. Assoc. human factors scientist, Syst. Develop. Corp., 56-59; human factors scientist, Ramo-Woodbridge Data Sys. Lab., 59-60; res. asst. exp. psychol., aviation psychol. lab., Ohio State Univ., 60-64; prin. res. scientist, MPG Res. Lab., HONEYWELL INC., 64-66, sect. chief exp. psychol., RES. DEPT., SYSTS. & RES. DIV., 66-67, MGR. LIFE SCI., 67- U.S.N.R., 54-56, Lt. AAAS; Psychol. Asn; Human Factors Soc. Human information processing and decision making; training; man-machine systems design. Publ: Objective difficulty and input history as factors in sequential decision making, Human Factors, 2/64; co-auth. Man and information—current state of the art, Am. Psychol. Asn. Annual Convention, 9/66. Address: Honeywell Systems & Research Dept., MS A3340, 2345 Walnut St., St. Paul, Minn. 55113.
- SCHRICKELE, DR. CLYDE C (ALVIN), b. Cincinnati, Ohio, July 30, 26. MANAGEMENT. A.B., Hanover Col., 49; M.B.A., Xavier (Ohio), 59; Ph.D.(mgt), Ohio State, 66. Personnel coordinator, Hosp. Care Corp., 49-59; instr. bus. orgn., Ohio State, 60-62; asst. prof. bus. admin., Richmond, 62-66; MGT, WRIGHT STATE, 66-68, ASSOC. PROF., 68- U.S.A., 45-46 & 50-52, Sgt. Mgt. Asn; Acad. Mgt; Econ. Asn. Personnel management in the United States and Latin America. Address: Dept. of Management, Wright State University, Dayton, Ohio 45431.
- SCHRIER, PROF. ALLAN M (ARTIN), b. New York, N.Y., Jan. 15, 30; m. 58. EXPERIMENTAL PSYCHOLOGY. B.A., N.Y. Univ., 52; M.S., Wisconsin, 54, Nat. Sci. Found. fel., 55-56, Ph.D., 56. Fel. psychobiol., Calif. Inst. Tech., 56-58; asst. prof. PSYCHOL., BROWN, 58-62, assoc. prof., 62-66, PROF., 66- Mem. nat. adv. cmt. primates, U.S. Pub. Health Serv., 60-64, adv. cmt. primate centers, 65-66; Int. Cmt. Primatology. Fel. AAAS; fel. Psychol. Asn; Psychonomic Soc; Int. Primatol. Soc. Laboratory studies of behavior of non-human primates; comparative psychology; care of non-human primates. Publ: Sr. ed., Behavior of nonhuman primates, 2 Vols., Academic, 65. Address: Dept. of Psychology, Brown University, Providence, R.I. 02912.
- SCHRIER, DR. HARVEY, b. New York, N.Y., Feb. 28, 26; m. 57. PSYCHOLOGY. A.B., Harvard, 46; fels., Michigan, 46-50, M.A., 47, Ph.D.(psychol.), 51; cert. Nat. Psychol. Asn. Psychoanal., 58. Clin. asst. inst. human adjust., Michigan, 48-49, staff psychologist, neuropsychiat. inst., univ. hosp., 49-50, counseling div., inst. human adjust., vet. readjust. center, 50-52, instr. psychol., 50-52; psychotherapist, Northside Center Child Develop., New York, 52-54; counsr., Child Study Asn. Am., 54-56, Grant Found. fel., 56-57; dir. psychol. serv., MENT. HEALTH CONSULT. CENTER, 58-62, CO-DIR., 62-Vis. lectr., Rackham Sch. Spec. Ed., 52; res. psychologist, Bank St. Col., 52-54; lectr., City Col. New York, 52-53; v-pres., Ment. Health Inst., Inc., N.Y., 60-; mem. Inst. Psychoanal. Training & Res., 63- U.S.A., 43-45. Psychol. Asn; Orthopsychiat. Asn; Acad. Psychother. Psychotherapy; personality; preventive mental health. Publ: Significance of identification in therapy, Am. J. Orthopsychiat; Preventive counseling with parents of young children, Soc. Work. Address: 334 W. 86th St., New York, N.Y. 10024.
- SCHRIMPER, DR. RONALD ARTHUR, b. Erie, Pa., July 15, 36; m. 66; c. 1. ECONOMICS. B.S., Pa. State, 58, M.S., 60; Ph.D.(econ), N.C. State, 66. Res. asst. agr. econ., Pa. State, 58-60; N.C. STATE, 60-62, instr., 62-65, ASST. PROF. ECON., 65- Econ. Asn; Economet. Soc; Agr. Econ. Asn. Factors affecting consumer purchase of food products; identification and quantification of variables influencing agricultural adjustments. Publ: Co-auth. Feasible ways for relating the macro and macro, Agr. Policy Inst. Series 17, 4/65, Commodity promotion, a controlled experiment evaluation, Agr. Econ. Info. Series 119, 4/65 & The effect of length of run on measured demand elasticities, J. Farm Econ, 8/65. Address: Box 5368 North Carolina State University, Raleigh, N.C. 27607.
- SCHRIVER, DR. WILLIAM R., b. Knoxville, Tenn., Mar. 3, 31; m. 68; c. 3. SOCIOLOGY. B.S., Tennessee, 56, M.A., 58, Ph.D.(sociol.), 64. Indust. economist, indust. develop., State Tenn., 59-65, dir. res., 66-67; ASST. PROF. indust. sociol., Memphis State, 65-66; OCCUP. SOCIOL., TENNESSEE, 67- U.S.A.F., 50-54. Sociol. Asn; Econ. Asn. Occupational and industrial sociology; economic development. Publ: The prediction of worker productivity, Human Orgn., 66; co-auth. Location theory; an empirical model and selected

findings, Land Econ, 66 & Plant location theory: an appraisal, Southwest. Soc. Sci. Quart, 68. Address: 459 Hillvale Turn West, Knoxville, Tenn. 37919.

SCHRODER, PROF. HAROLD M(ARTIN), b. Australia, Feb. 19, 23; m. 52; c. 2. PSYCHOLOGY. B.A. Sydney, 48, univ. fel. 49; univ. fel. Ohio State, 52-54, Soc. Sci. Res. Coun. fel. 53, Ph.D.(psychol), 54. Lectr. PSYCHOL, Univ. New England, Australia, 50-52; res. fel. Ohio State, 55; instr. PRINCETON, 55-56, asst. prof. 56-60, assoc. prof. 61-66, PROF, 66- Fulbright award, 50. Psychol. Asn. Personality and cognitive development, measurement of conceptual complexity and implications for individual and group functioning. Publ: Conceptual systems and personality organization, Wiley, 61; Human information processing, Holt, 67; Information processing and personality, Ronald, 68. Address: 66 Wittmer Court, Princeton, N.J. 08540.

SCHROEDER, ALBERT H(ENRY), b. Brooklyn, N.Y., Mar. 23, 14; m. 54; c. 3. ANTHROPOLOGY, ARCHAEOLOGY. B.A. Arizona, 38, M.A., 40. Asst. archaeologist, Mus. North. Ariz, 38; archaeol. foreman, Arizona, 38-39; asst. archaeologist, U.S. Nat. Mus, Mex, 40-41; ranger-naturalist, U.S. NAT. PARK SERV, 41, 46, archaeologist, 47-67, REGIONAL INTERPRETIVE ARCHAEOLOGIST, 67- U.S.A., 42-46. Soc. Am. Archaeol. Archaeology of southwestern United States; interrelation of prehistoric groups to the early historic tribes of southwestern United States; cultural interchange between southwestern United States and Mexico in prehistoric times. Publ: Co-auth, A Colony on the move, Sch. Am. Res, 65; auth, Brief survey of the lower Colorado River from Davis Dam to the international border; Bearing of architecture on developments in the Hohokam classic period. Address: 1108 Barcelona Lane, Santa Fe, N.Mex. 87501.

SCHROEDER, DR. CARLTON R(AYMOND), b. Milwaukee, Wis, Oct. 1, 17; m. 43; c. 2. GEOGRAPHY. B.A. Wisconsin, 39, M.A., 47; Ph.D. California, Los Angeles, 58. Instr. GEOG. Wisconsin, 47-48; WASHINGTON STATE, 48-50, asst. prof. 53-64, ASSOC. PROF, 64- Mil. Intel. U.S.A., 42-45. Asn. Am. Geog. Am. Geog. Soc. Physical geography; conservation, weather and climate; cartography. Address: Dept. of Geography, Washington State University, Pullman, Wash. 99163.

SCHROEDER, PROF. CLARENCE W(ESLEY), Sociol, see 10th ed, Soc. & Behav. Vols, deceased 61.

SCHROEDER, PROF. DOROTHY JEAN, b. Waco, Tex, Oct. 1, 15; m. 39; c. 3. SOCIOLOGY, EDUCATION. B.A. Baylor, 36; M.Ed. Howard Payne Col, 56; summers, Trinity (Tex), 58 & 60, Sam Houston Mexican Field Sch, 64 & 65. Teacher, high sch, 36-44; instr. math, HOWARD PAYNE COL, 46-48; ASSOC. PROF. SOCIOL, 56- Nat. Coun. Family Rels. Family relations. Address: Dept. of Sociology, Howard Payne College, Brownwood, Tex. 76801.

SCHROEDER, GLENN A(RTHUR), Finance, see 10th ed, Soc. & Behav. Vols.

SCHROEDER, DR. MANFRED R(OBERT), Physics, see 11th ed, Phys. & Biol. Vols.

SCHROLL, DR. AGNES CLAIRE, O.S.B, Sociol, see 10th ed, Soc. & Behav. Vols. Latest known address: Donnelly College, 1236 Sandusky Ave, Kansas City, Kans. 66102.

SCHROTH, DR. MARVIN L, b. Whittier, Calif, Oct. 17, 37. PSYCHOLOGY. B.A. Redlands, 59; M.S. Washington State, 61; Ph.D.(psychol), Texas Christian, 65. ASST. PROF. PSYCHOL, Stephen F. Austin State Col, 65-66; SANTA CLARA, 67- Psychol. Asn. Learning; motivation; developmental psychology. Publ: Transfer in multiple-sign and transposition problems: implications for Osgood's transfer surface, Psychol. Reports, 67; Spatial aptitude and its relationship to art judgment, Perceptual & Motor Skills, 67; The function of stimulus predifferentiation pretraining in complex problem-solving, Psychonomic Sci, 68. Address: Dept. of Psychology, Santa Clara University, Santa Clara, Calif. 95053.

SCHRUBEN, PROF. LEONARD W(ILLIAM), b. Hoxie, Kans, Aug. 15, 17; m. 40; c. 2. AGRICULTURAL ECONOMICS, MARKETING. B.S. Kansas State, 39; M.S. Illinois, 40; M.P.A., Harvard, 48, M.A., 49, Ph.D.(econ), 50. Asst. farm mgt, Illinois, 40-42; econ. statistician price anal, U.S. Dept. Agr, 42-43, educationist, fed. exten. serv, 46-49; PROF. AGR. ECON, KANSAS STATE, 49- Vis. prof, Stanford, 67-68. Adv. Great Plains Wheat, Inc, 60-; consult, econ. develop. cmt. U.S. Dept. Agr; cmnr, Kans. Econ. Develop. Cmn, 63-67; adv. Chicago Bd. Trade, 64-67. U.S.N., 43-46. Econ. Asn; Mkt. Asn; Opers. Res. Soc; Agr. Econ. Asn.(rev. ed, J. Farm Econ, 65-68). Business management of firms selling to or buying from farmers; economic development; communications; development of application of systems model to grain business. Publ: Co-auth, Truck delivery costs of manufactured feeds, Agr. Exp. Sta, Kansas, 10/65; auth, Use of instruments to collect economic data, J. Farm Econ, 5/64; Mathematical models for decision and control in flour milling, Bull, Asn. Operative Millers, 8/67. Address: Dept. of Economics, Kansas State University, Manhattan, Kans. 66502.

SCHTEN, DR. EDWARD V(ICTOR), b. Chicago, Ill, Feb. 20, 31; m. 57; c. 2. PUBLIC ADMINISTRATION. B.S. Western Michigan, 55; M.S. Wisconsin, 57, Ph.D.(polit. sci), 59. Dir. pub. admin, bur. govt. res, Kentucky, 59-60; dir. res, Ky. Legis. Res. Cmn, 60-61; ASSOC. DIR. INST. GOVT. AFFAIRS & ASSOC. PROF. POLIT. SCI. EXTEN, WISCONSIN, MADISON, 62- Higher ed. adv. Agency Int. Develop Mission to Colombia, 68-68. U.S.A., 51-53, Res, 54-59. Soc. Pub. Admin. Administration of state government; educational television administration. Publ: Insurance on state property in Kentucky; Professional licensing in Kentucky; Educational television for Kentucky. Address: Institute of Governmental Affairs, University of Wisconsin, Madison, Wis. 53706.

SCHUBERT, PROF. EARL D, b. Fostoria, Ohio, Nov. 8, 18; m. 46; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Manchester Col, 38; M.S. Iowa, 42, Ph.D.(psychol), 48. Asst. prof. audiol, Michigan, 48-51; assoc. prof, Iowa, 51-55; PROF. Western Reserve, 55-60; AUDIOL, Indiana, 60-64; STANFORD, 64- Dir. res, Cleveland Hearing & Speech Center, 55-60; Nat. Sci. Found. & Nat. Insts. Health res. grants, 58- Mem. study sect. commun.

sci, Nat. Insts. Health, 62-66. Sig.C, 42-46, M/Sgt. Dipl. Am. Bd. Exam. Speech Path. & Audiol. Fel. Acoustical Soc. Am; Fel. Speech & Hearing Asn. Analysis of the auditory system by behavioral methods using essentially the techniques of psychoacoustics. Address: Stanford Medical Center, Edwards Bldg, Room R133, Palo Alto, Calif. 94304.

SCHUBERT, PROF. GLENDON, b. Oneida, N.Y., June 7, 18; m. c. 5. POLITICAL SCIENCE. Ph.D.(polit. sci), Syracuse, 48. Instr. polit. sci, California, Los Angeles, 48-49; asst. prof. govt. Howard, 49-50; lectr. POLIT. SCI, Rutgers, 50-51; head dept, Franklin & Marshall Col, 51-52; from asst. prof. to prof, Mich. State, 52-67; William Rand Kenan, Jr. prof, North Carolina, Chapel Hill, 67-68; PROF, YORK(ONT), 68- Fulbright lectr, Oslo, 59-60; fel, Center Adv. Study Behav. Sci, 60-61; sr. scholar in residence, Center Cultural & Tech. Interchange between East & West, Univ. Hawaii, 63-64 & 65 vis. prof, univ, 66-67. U.S.A., 42-46. Judicial behavior; political psychology: decision-making theory; methodology. Publ: Constitutional politics, Holt, 60; The judicial mind, Northwestern, 65; co-auth, Comparative judicial behavior. Oxford Univ, 69. Address: Dept. of Political Science, York University, Toronto 12, Ont, Can.

SCHUBERT, DR. HERMAN J(ACOB) P(AUL), b. Brooklyn, N.Y., Jan. 27, 07; m. 31; c. 1. PSYCHOLOGY. B.S. Polytech. Inst. Brooklyn, 27, M.E., 28; A.M. Columbia, 30, Ph.D.(psychol), 32. Nat. Res. Coun. fel, Cornell, 32-33; fel. physiol, Buffalo, 33, lectr. sociol, 35-36; supvr. res. & voc. guid, transient center, Temporary Emergency Relief Admin, 33-35; personnel mgr, Nat. Youth Admin, 36-39; chief statistician, Erie County Dept. Soc. Welfare & Pub. Welfare Admin, 39-42; asst. personnel technician, Buffalo Munic. Civil Serv. Cmn, 42, sr. personnel technician, 42-43; supvr. personnel testing, Bell Aircraft Corp, 43-44; asst. dir. vet. testing & guid. clin, Buffalo, 44-46, dir, 46-49; consult. indust. psychologist, 49-52; CHIEF VOC. COUNSELING SERV, VET. ADMIN. HOSP, 53- Psychol. Asn; Personnel & Guid. Asn. Attitude-changing counseling; psychogenesis of disease; aptitude and personality tests. Publ: Personal-data responses as related to transiency, place in family and high-school success, J. Abnorm. & Soc. Psychol; Energy-cost measurements on the curve of work, Arch. Psychol; DAP quality scale for adolescents and young adults. Address: Veterans Administration Hospital, Buffalo, N.Y. 14221.

SCHUCK, HOWARD A(NTHONY), Oper Res, see 11th ed, Phys. & Biol. Vols.

SCHUCK, DR. JOHN R(OBERT), b. Findlay, Ohio, Oct. 13, 22; m. 47; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Ohio State, 48, fel. & Ph.D.(psychol), 58; M.A. Bowling Green State, 57. Asst. motivation, Columbus Psychiat. Inst, 57; psychol, Ohio State, 58-58, Nat. Insts. Health fel, lab. comp. & physiol. psychol, 59-60; instr. PSYCHOL, Bowling Green State, 60-63; asst. prof, Iowa State, 63-65, ASSOC. PROF, 65-67; BOWLING GREEN STATE, 67- U.S.A.-A.F., 42-45, Capt. Psychol. Asn; Psychonomic Soc. Primate learning and perception; quantitative methods in experimental psychology. Publ: Auth, Pattern discrimination and visual sampling by the monkey & co-auth, Response location as a factor in primate pattern discrimination, J. Comp. & Physiol. Psychol; auth, A comparison of verbal and non-verbal reports of fragmenting visual images, Perception & Psychophys, 66. Address: Dept. of Psychology, Bowling Green State University, Bowling Green, Ohio 43402.

SCHUCK, PROF. VICTORIA, b. Oklahoma City, Okla, Mar. 16, 09. POLITICAL SCIENCE. A.B. Stanford, 30, M.A., 31, Ph.D.(polit. sci), 37. Asst. prof. POLIT. SCI, Fla. State Col. Women, 37-40; MT. HOLYOKE COL, 40-44, assoc. prof, 44-50, PROF, 50- Prin. prog. analyst, planning for local bd. Off. Price Admin, D.C., 42-44; Haynes Found. grant, 51-52; guest scholar, Brookings Inst, 67-68. Consult, Off. Temporary Controls, 45-47; President's Cmn. Registration & Voting Participation, 63. Polit. Sci. Asn. (secy, 59-60); Soc. Pub. Admin; Int. Polit. Sci. Asn. American political behavior, especially political parties, the executive and administration including organization and processes. Publ: Massachusetts audit of state needs, State Govt, 59; The impact of federal grants-in-aid on Massachusetts, In: A survey report on the impact of federal grants-in-aid on the structure and functions of state and local governments, Cmn. Intergovt. Rels, Govt. Affairs, Inst, 6/55; The Massachusetts governorship: hamstrung by history?, In: Papers of the Tufts assembly on Massachusetts government, Tufts Univ. Address: Dept. of Political Science, Mt. Holyoke College, South Hadley, Mass. 01075.

SCHUCKER, DR. RAYMOND E(DGAR), b. Altoona, Pa. Sept. 12, 30; m. 61; c. 2. INDUSTRIAL PSYCHOLOGY, STATISTICS. B.S. Iowa State, 52; M.S. Purdue, 57, Ph.D.(indust. psychol), 59. Res. field supvr, M&M Candies Div, Food Mfrs, Inc, 59-60, CONSUMER RES. MGR, 60-67, M&M/MARS DIV, MARS, INC, 67- U.S.N., 52-55, Lt.(jg). Consumer behavior; market research. Address: M&M/Mars, Brands Dept, High St, Hackettstown, N.J. 07840.

SCHUCMAN, DR. HELEN, b. New York, N.Y., July 14, 09; m. 33. PSYCHOLOGY. B.A. N.Y. Univ, 36, M.A., 53, Ph.D.(psychol), 57. Instr. psychol, N.Y. Univ, 57-58, assoc. res. scientist, 58-67; CHIEF RES. PSYCHOLOGIST, CHILD DEVELOP. PROG, COLUMBIA, 59-, ASST. PROF. MED. PSYCHOL, COL. PHYSICIANS & SURGEONS, 64-; CHIEF PSYCHOLOGIST, NEUROL. INST, PRESBYTERIAN HOSP, 63- Res. consult, Inst. Retarded Children of Shield of David, 57-, psychotherapist, 58-; res. consult, med. col, Cornell, 60- AAAS; Psychol. Asn; Asn. Ment. Deficiency; fel. Int. Coun. Psychol. Psychological test and measurements; learning behavior in children. Publ: Evaluation of educability of the severely mentally retarded child, Psychol. Monogr; Methods of measuring educability in severely mentally retarded children: a preliminary study, Training Sch. Bull; co-auth, Psychological dynamics and treatment of parents with retarded children, Am. J. Ment. Retardation. Address: 200 E. 16th St, New York, N.Y. 10003.

SCHUESSLER, PROF. KARL F(REDERICK), b. Quincy, Ill, Feb. 15, 15. SOCIOLOGY. A.B. Evansville Col, 36; A.M. Chicago, 39; Ph.D. Indiana, 47. Sociologist, State Prison, Ill, 38; instr. Vanderbilt, 46-47; asst. prof. SOCIOLOG, INDIANA, 47-52, assoc. prof, 53-60, PROF. & CHMN. DEPT, 60- U.S.N.R., 42-46. Sociol. Asn; Statist. Asn. Criminology; social statistics. Address: 1820 E. Hunter, Bloomington, Ind. 47405.

SCHUH, PROF. GEORGE EDWARD, b. Indianapolis, Ind, Sept. 13, 30. AGRICULTURAL ECONOMICS. B.S. Purdue, 52; M.S. Mich. State, 54; M.A. Chicago, 58, fel. & Ph.D.(econ), 61. PROF. AGR. ECON. PURDUE, 59- Ford Found. prog. adv. agr. Brazil, 66. Hon. prof., Agr. Univ. Minas Gerais, 65. U.S.A., 54-56, Res. 56- Agr. Econ. Assn; Economet. Soc; Econ. Assn. Econometric analysis of supply response and of the factor markets for agriculture; economic development of Brazilian agriculture. Publ: Agricultural input markets—a neglected area of research and policy, Univ. Nebraska, 67; Econometric investigation of the market for hired labor in agriculture; Cross sectional analysis of land values. Address: Dept. of Agricultural Economics, Purdue University, Lafayette, Ind. 47907.

SCHUHLE, DR. WILLIAM, b. Lafayette, La, Dec. 26, 15; m. 45; c. 3. SOCIAL SCIENCES. A.B. Washington & Lee, 35, A.M. 36; Hopkins, 39-41; Ph.D. (soc. sci), Minnesota, 55. Instr., Centenary Col, 41-42; Nat. Col. Christian Workers, 43-45; prof. hist & govt, Adrian Col, 45-56; Manchester Col, 56-67; staff asst, div. peace & world order, Methodist Gen. Bd. Christian Soc. Concerns, 67-68; PROF. POLIT. SCI., MANCHESTER COL., 68- Group processes; problems of democracy. Publ: Normative homogeneity in a social group. Address: 401 N. Mill St, North Manchester, Ind. 46962.

SCHUHMAN, PROF. ALFRED, Sociol, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 66.

SCHUHLING, DR. WALTER C, b. Kelliher, Minn, May 4, 19; m. 41; c. 1. POLITICAL SCIENCE. B.Ed. Bemidji State Col, 39; M.A. Minnesota, 48, Ph.D. (hist), 54. Asst. hist, Minnesota, 48-50, instr., exten. div, 50-51; TEACHER, high sch, Calif, 53-64; POLIT. SCI. & HIST. SAN BERNARDINO VALLEY COL., 64- Fulbright teaching fel. Am. insts. Cols. Tønder, Vordingborg, Esbjerg & Skive, Denmark, 58-59. Consult. Calif. State Curriculum Cmn, 66-67. U.S.A.A.F. 42-46, S/Sgt. Polit. Sci. Assn; Acad. Polit. & Soc. Sci. Origins of the cold war; post-war Soviet policy. Publ: Co-auth, American government and politics, Am. Book Co, 67; co-ed, California information almanac, Doubleday, 67. Address: Division of Social Science, San Bernardino Valley College, San Bernardino, Calif. 92403.

SCHUL, DR. NORMAN WILLARD, b. Clinton Co, Ohio, Mar. 3, 35; m. 58; c. 2. GEOGRAPHY. B.S.Ed. Miami (Ohio), 56, M.A. 57; Nat. Acad. Sci. for. field res. prog, Syracuse, 59-60, Ph.D.(geog), 62. Asst. prof. geog, NORTH CAROLINA, Greensboro, 61-67, ASSOC. PROF. GEOG. & CHMN. DEPT. GEOG. & GEOL. CHARLOTTE, 67- Assn. Am. Geog; Assn. Asian Studies; Nat. Coun. Geog. Ed. Functional and areal association analyses in economic geography, particularly urban and regional studies, dealing with internal and external spatial aspects of cities and rural settlement types. Publ: Co-auth, Some characteristics of shopping centers, Prinl. Geogr. 65; auth, A Philippine sugar cane plantation: land tenure and sugar cane production, Econ. Geog, 67; Population density, Percentage of change in population & Urbanization, In: Atlas of North Carolina, Univ. North Carolina, 67. Address: Dept. of Geography & Geology, University of North Carolina at Charlotte, Charlotte, N.C. 28205.

SCHULBERG, DR. HERBERT C(HARLES), b. New York, N.Y., Feb. 10, 34; m. 57; c. 2. PSYCHOLOGY. B.A. Yeshiva, 55; M.A. Columbia, 56, Ph.D. (clin. psychol), 60; M.S.Hyg, Harvard, 63. Psychol. intern, Vet. Admin, 56-60; clin. psychologist, Fairfield State Hosp, 60-61, coordinator psychol. training prog, 61-62; Nat. Inst. Ment. Health fel. sch. pub. health, HARVARD, 62-63, from res. assoc. to ASSOC. & HEAD PROG. RES. UNIT, MED. SCH., 64- Lectr, Bridgeport, 60-61; res. dir, Mass. Ment. Health Planning Proj, 63-65; lectr, Boston, 65-66. Consult, Boston State Hosp, 64-65; Mass. Ment. Health Center, 65-67; Med. Found, Inc, 66-; Mass Rehab. Cmn, 67 Psychol. Assn. Individual and group psychotherapy; community mental health; program evaluation. Publ: Co-auth, An evaluation of the Bender-Gestalt test, C. C. Thomas, 63; auth, Psychiatric units in general hospitals: boon or bane?, Am. J. Psychiat, 120: 30-36; co-auth, The development of a community mental health ideology scale, Community Ment. Health J, 9/67. Address: Dept. of Psychiatry, Harvard Medical School, 58 Fenwood Rd, Boston, Mass. 02115.

SCHULDT, DR. W(ALTER) JOHN, b. Sheboygan, Wis, Dec. 9, 32; m. 58; c. 2. CLINICAL PSYCHOLOGY. B.S. Wisconsin, Milwaukee, 59; M.A. Mich. State, 62, Ph.D.(psychol), 64. ASST. PROF. PSYCHOL, ARKANSAS, 64- Consult, Child-Family Guid. Center, 66- U.S.A.F. 52-56, S/Sgt. Psychol. Assn. Psychotherapy. Publ: Psychotherapists' approach-avoidance responses and clients' expressions of dependency, 66 & Reinforcement or elicitation effects of approach responses by psychotherapists, (in press), J. Counseling Psychol; co-auth, Self-ideal concept congruence and improvement in group psychotherapy, J. Consult. Psychol, (in press), Address: Dept. of Psychology, University of Arkansas, Fayetteville, Ark. 72701.

SCHULER, PROF. EDGAR A(LBERT), b. Garner, Iowa, Apr. 9, 05. SOCIOLOGY. A.B. Morningside Col, 28; A.M. Minnesota, 29; Ph.D. Harvard, 33. Instr. sociol, La. State, 33-36, asst. prof, 37-43; sr. soc. scientist, bur. agr. econ, U.S. Dept. Agr, 43-46; assoc. prof. sociol. & assoc. dir. soc. res. serv, Mich. State Col, 46-49; prof. sociol. & anthrop. & chmn. dept, Wayne State, 49-59; PROF. ED. & SOCIOLOGY, MICH. STATE, 59- Fulbright scholar, Thamasat, 57-58. Mem. staff, Resettlement Admin, 36-37. Adv. to Pakistan, Acad. for Village Develop, Mich. State-Ford Found-Pakistan Proj, Comilla, East Pakistan, 59-62. Social. Assn; Rural Sociol. Soc. International education; rural development. Publ: Readings in sociology Crowell, 67; Pakistan academies for rural development, Comilla and Peshawar, 1959-1964: a bibliography, 65 & co-auth, Public opinion and constitution making in Pakistan, 1958-1962, 67, Mich. State. Address: 513 Erickson Hall, Michigan State University, East Lansing, Mich. 48823.

SCHULMAN, DR. ABBOTT JAY, b. Providence, R.I., Dec. 7, 38; m. 65. CLINICAL PSYCHOLOGY. A.B. Duke, 58; M.A. E. Carolina Col, 60; Florida, 64-65; Ph.D.(clin. psychol), Fla. State, 65. Psychologist, Lenoir County Health Dept, N.C., 60-61; sch. ment. health consult, Lenoir County Schs, 61; psychometrist, Bay County Guid. Clin, Fla, 61; asst. psychol, Fla. State, 62-64; ASST. PROF., Moorhead State Col, 68-68; PSYCHIAT, MED. COL. VA, 68- Vet. Admin. trainee, 62; fel. clin. child psychol, Devereux Found, 65-66.

Consult. psychologist, Bay County Guid. Clin, 63-64; Lakeland Ment. Health Center & Lutheran Soc. Serv, Minn, 66-67; Minn. Voc. Rehab. Off. & Clay County Schs, 66-; Clay County Juvenile Court, 67- Psychol. Assn. Vocal inflectional control as experimenter bias; effects of vocal inflectional control in verbal conditioning. Address: 1200 E. Broad St, Richmond, Va. 23219.

SCHULMAN, PROF. EVELINE D, b. New York, N.Y., m. 41; c. 2. COUNSELING, DEVELOPMENTAL PSYCHOLOGY. B.S., City Col. New York, 39; Iowa, 39-40; American Univ, 48; M.Ed. Maryland, 54, Ed.D.(human develop), 57. Dir, nursery sch. & asst. to dir, settlement house, Juanita Kaufman Nye Coun. House, 43-44; dir, Greenway Nursery Sch, 52-54; asst. human develop, inst. child study, Maryland, 54-55; consult, Prince George's County Coun. Coop. Nursery Schs. & Kindergartens, 55-57; lectr, PSYCHOL, American Univ, 57-58; Instr, COMMUNITY COLLEGE OF BALTIMORE, 58-64, PROF, 64-, HEAD DEPT, 62- Psychol. Assn. Social psychology; group processes; establishment of junior college psychology laboratory facilities; establishment of mental health curricula in community colleges. Publ: Psychology 62-63 & Preteacher education, 62-63, Baltimore Bull. Ed; Baltimore social interaction program, Jr. Col. J, 12-1/66-67. Address: 1103 Caddington Ave, Silver Spring, Md. 20901.

SCHULMAN, DR. IRVING, b. New York, N.Y., Dec. 4, 21; m. 52. PSYCHOLOGY. A.B. N.Y. Univ, 48, M.A. 49, Ph.D.(psychol), 53. Clin. psychologist, Guid. Inst. Reading, Pa, 50-54; chief clin. psychologist, child study center, Inst. Pa. Hosp, Phila, 54-59; dir. presch. treatment unit, Child Study Center of Phila, 59-63; ASSOC. DIR. INST. FOR CHILDREN, PHILA. PSYCHIAT. CENTER, 63- Private practice, 54- Consult, Walston Army Hosp, Ft. Dix, N.J., 61- Regional chmn, Am. Assn. Psychiat. Clins. Children, 55-57. U.S.A.A.F. 43-46. Psychol. Assn; Orthopsychiat. Assn; Group Psychother. Assn. Psychotherapy; personality; psychopathology. Publ: Group psychotherapy with delinquents, In: Fields of group psychotherapy; Dynamics of certain reactions of delinquents to group psychotherapy, Int. J. Group Psychother; Concept formation in the schizophrenic child, J. Clin. Psychol. Address: 638 Harvard Rd, Bala-Cynwyd, Pa. 19004.

SCHULMAN, DR. ROSALIND, b. New York, N.Y., June 9, 14; m. 43. STATISTICS. A.B. Smith Col, 34; M.A. Columbia, 37; Ph.D.(econ), Pennsylvania, 64. Econ. Analyst, shipbldg. stabilization cmm, War Prod. Bd, 42-43; dir. res, Indust. Union Marine & Shipbldg. Workers Am. Fedn. Labor-Cong. Indust. Orgns, 43-64; asst. prof. ECON, DREXEL INST, 65-67, ASSOC. PROF, 67- Econ. consult, joint state govt. cmm, Gen. Assembly, Pa, 64- Statist. Assn; Econ. Assn; Indust. Rels. Res. Assn; Regional Sci. Assn. Regional and industry economics; urban problems; theories of demand and consumption. Publ: The nation that invented the steamship; U.S. government assistance to the Merchant Marine; Absentee ownership reread, Am. J. Econ. & Sociol, 7/62. Address: 2401 Pennsylvania Ave, 12B24, Philadelphia, Pa. 19130.

SCHULMAN, PROF. SAM, b. New York, N.Y., Jan. 6, 24; m. 45, 64; c. 6. SOCIOLOGY, SOCIAL ANTHROPOLOGY. B.A. New Mexico, 48, M.A. 49; Do-herty Found, fel. Chile & Mexico, 49-50; Ph.D. Florida, 54. Instr. Florida, 52-54; asst. prof. sociol, Okla. State, 54-56; med. sociol, med. br, Texas, 57-59; dir. village health proj, State Dept. Pub. Health, N.Mex, 59-60; assoc. prof. sociol, Tex. Tech. Col, 60-62; psychiatrist, nursing, & sociol, med. center, Florida, 62-63; sociologist, Inter-Am. Center Agrarian Reform, 63-65; Ford Found. res. grant, Nat. Univ. Colombia, 65, grad. prof. SOCIOLOGY, 65-66; prof, Colorado State, 66-67; vis. prof, Florida, 67-68; PROF. HOUSTON, 68- Resident, Russell Sage Found, 58-57; spec. lectr, Valle, Colombia, 65. Consult, inst. behav. sci, Colorado, 61; Prov. of Alberta, Can; Univ. California, Los Angeles, 62-45, S/Sgt. Social and cultural implications in the treatment and evaluation of health and disease; man-land relationships in underdeveloped areas of the world; sociology of development; medical sociology. Publ: Rural health ways in New Mexico, Ann. N.Y. Acad. Sci; Proposed scheme for Latin American tenure classes, Southwest Soc. Sci. Quart; Basic functional roles in nursing, In: Patients, physicians, illness. Address: Dept. of Sociology, University of Houston, Houston, Tex. 77004.

SCHULTE, DR. RICHARD H, b. Fenton, Mich, Oct. 29, 38; m. 61; c. 2. PSYCHOLOGY. B.A. Mich. State, 60; M.A. Illinois, 63, U.S. Pub. Health Serv. fel, 63-64, Ph.D.(psychol), 64. Clin. psychol. intern, neuropsychiat. inst, California, Los Angeles, 64-65; ASST. PROF. PSYCHOL, SAN DIEGO STATE COL., 65- Psychol. Assn. Behavior modification techniques; outcome studies in psychotherapy; interpersonal attractiveness. Publ: Co-auth, Readiness to perceive violence as a result of police training, Brit. J. Psychol, 61 & Isohedonic contours and tongue activity in three gustatory areas of the rat, J. Comp. & Physiol. Psychol, 63. Address: Dept. of Psychology, San Diego State College, San Diego, Calif. 92115.

SCHULTHEIS, ROBERT L(AWRENCE), Pub. Admin, see 10th ed, Soc. & Behav. Vols.

SCHULTZ, DR. DOUGLAS G(EOERGE), b. Englewood, N.J., July 11, 18; m. 51; c. 2. PSYCHOLOGY. B.A. Bard Col, 40; M.S. Pa. State, 42, Ph.D.(psychol), 45. Asst. personnel serv. div, Pa. State, 43-44, instr. psychol, 44-45, asst. prof, 53-55, assoc. prof, 55-59; asst. head test construct. dept, Ed. Testing Serv, N.J., 46-48, res. assoc, 48-53; Appl. Psychol. Serv, Pa, 59-64; ASSOC. PROF. PSYCHOL, CASE WESTERN RESERVE, 64- Consult, Vet. Admin, 65- Fel. Psychol. Assn; Psychomet. Soc; Ed. Res. Assn; Nat. Coun. Measurement in Ed. Psychological and educational tests and measurement; research design; factors affecting test scores. Address: 76 Maple Hill Dr, Chagrin Falls, Ohio 44022.

SCHULTZ, DR. DUANE P(HILIP), b. Baltimore, Md, Feb. 15, 34; m. 62. PSYCHOLOGY. A.B. Hopkins, 55; M.A. Syracuse, 57; Ph.D.(psychol), American Univ, 62. Instr. psychol, American Univ, 60-61; sr. engr, air armaments div, Westinghouse Elec. Corp, 61-62; mem. tech. staff, Inst. Defense Anal, 62-63; asst. prof. PSYCHOL, Mary Washington Col, Virginia, 63-66; ASSOC. PROF, NORTH CAROLINA, CHARLOTTE, 66- Nat. Inst. Ment. Health res. grant, 64; Off. Naval Res. res. grant, 65-68. Psychol. Assn. History and systems of psychology; social nature of research; sensory

deprivation; behavior under stress. Publ: Panic behavior, Random, 64; Sensory restriction, 65 & History of modern psychology, 69, Academic. Address: 400 McAlway Rd, Charlotte, N.C. 28211.

SCHULTZ, PROF. GWENDOLYN M, b. Milwaukee, Wis, Jan. 6, 23. GEOGRAPHY. M.A. Wisconsin, 50. ASST. PROF. GEOG, WISCONSIN, 59- AAAS; Asn. Am. Geog; Cong. Surv. & Mapping; Am. Geog. Soc; Arctic Inst. N.Am; Glaciol. Soc; Int. Asn. Quaternary Res. Glaciers; Pleistocene geology, geography and anthropology; cartography; travel. Publ: Glaciers and the Ice Age, Holt, 63; Colorprint world atlas, Crest, 66. Address: Extension Bldg, University of Wisconsin, Madison, Wis. 53706.

SCHULTZ, PROF. HOWARD G(RAMM), b. Newport, Ky, Sept. 4, 20; m. 50; c. 7. ECONOMICS, FINANCE. B.S. Xavier, 49, M.Ed. 65; M.A. Cincinnati, 50; Ph.D.(econ), Pittsburgh, 57. Instr. ECON, Pittsburgh, 54-57; asst. prof, XAVIER (OHIO), 57-61, ASSOC. PROF, 61- U.S.A.F, 42-47, 51-54, Maj. Econ. Asn. Application of findings of the behavioral sciences to the solution of personnel management problems. Publ: Freedom from drudgery, Commercial & Financial Chronicle; What helps the employer helps his people: and vice versa, Personnel J; Investment aspects of philately, Stamps, 11/58. Address: 599 Woodside Heights, Cincinnati, Ohio 45217.

SCHULTZ, DR. KARL V(CTOR), Psychol, see 10th ed, Soc. & Behav. Vols.

SCHULTZ, DR. MARTIN C, Speech Path, Audiol, see 11th ed, Phys. & Biol. Vols.

SCHULTZ, DR. RICHARD S, b. Apr. 15, 02; m. PSYCHOLOGY. Ph.D.(psychol), Pennsylvania, 32. PRES. INDUST. RELS. METHODS, 42- Adj. prof, grad. sch. eng. N.Y. Univ. 44-58; V.pres, Supv. Mag, 61. Psychol. Asn. Industrial psychology. Publ: Human factors in industrial supervision; Supervision of women workers; Survey of management thinking. Address: 405 Lexington Ave, New York, N.Y. 10017.

SCHULTZ, PROF. ROBERT, Econ, see 10th ed, Soc. & Behav. Vols.

SCHULTZ, PROF. ROBERT E(DWARD), b. Alhambra, Calif, June 10, 25; m. 48; c. 2. ECONOMICS. B.S. Southern California, 48, M.B.A. 49; Ph.D. (econ), Pennsylvania, 52. Asst. prof. FINANCE, SOUTHERN CALIFORNIA, 52-54, assoc. prof, 54-58, PROF, 58- Prof, Aziendale Grad. Bus. Sch, Italy, 59. Consult, Waste King Corp; Barker Bros; Abbey Rents; Grandview Bldg. Co. U.S.A.A.F, 43-44. Insurance; finance. Publ: Life insurance housing projects; Property insurance; Regulation of insurance company investments. Address: Dept. of Finance, School of Business, University of Southern California, Los Angeles, Calif. 90007.

SCHULTZ, PROF. THEODORE WILLIAM, b. Arlington, S.Dak, Apr. 30, 02; m. c. 3. AGRICULTURAL ECONOMICS. B.S. S.Dak. State Col, 28, hon. D.Sc. 59; M.S. Wisconsin, 28, Ph.D. 30, LL.D. 68; hon. LL.D. Grinnell Col, 49, Mich. State, 62, Illinois, 68. Asst. prof. agr. econ, Iowa State Col, 30-31, assoc. prof, 31-35, prof. & head dept, 35-43, head rural soc. sci. sect, exp. sta, 40-43; PROF. ECON, CHICAGO, 43-, chmn. dept, 43-61. V.pres, Nat. Bur. Econ. Res, 58. Govt. & indust. consult; adv. agr. adjust. center, Iowa State Col; dept. econ. develop. & food & agr. orgn, UN; Int. Bank Reconstruct. & Develop; chmn, Agr. Develop. in Argentina, Brazil & Uruguay, 41; Am. Famine Mission, India, 46; dir. Studies Tech. Asst. Latin Am. 53-57; chmn. res. adv. bd, Cmt. Econ. Develop, 57-59; Am. Economists to U.S.S.R, 60; co-chmn. consultative cmt, Asian Develop. Bank, 67- Trustee, Pop. Coun, 57- Fel. Agr. Econ. Asn.(ed, J. Farm Econ, 39-42); Econ. Asn. (v.pres, 49, pres, 60); Planning Asn; fel. Am. Acad. Arts & Sci; Philos. Asn. Publ: The economic value of education, Columbia, 64; Transforming traditional agriculture, Yale, 64; Economic growth and agriculture, McGraw, 68. Address: Dept. of Economics, University of Chicago, 1126 E. 59th St, Chicago, Ill. 60637.

SCHULTZ, DR. WOLFGANG M(ARTIN), b. Negast, Germany, Apr. 28, 29; nat; m. 57; c. 3. AGRICULTURAL ECONOMICS. Dipl. Giessen, 54, Dr. agr, 56; Ph.D.(agr. econ), Okla. State, 65. Farm apprentice, agr. exp. sta, Germany, 45, 48-50; asst. farm mgt, Giessen, 54-56, instr, 56-59; agr. & prod. econ, Okla. State, 59-60; asst. prof. econ, S.Dak. State, 60-64; res. assoc. AGR. ECON, ALBERTA, 64-66, ASSOC. PROF, 66- AAAS; Am. Econ. Asn; Can. Agr. Econ. Soc; Am. Agr. Econ. Asn; Soc. Econ. & Soc. Sci. Agr, W.Germany. Farm management; production economics; regional planning; resource economics. Publ: Die neuzeitliche Getreideernte, Munich, 57; The economic impact of wheat breeding in the prairie provinces, Can. J. Agr. Econ, Vol. 13, 2; The people and resources of northeastern Alberta, Agr. Econ. Res. Bull, Univ. Alberta, 66. Address: Dept. of Agricultural Economics, University of Alberta, Edmonton, Alta, Can.

SCHULTZE, DR. WILLIAM ANDREW, b. Washington, Mo, Feb. 13, 37; m. 59; c. 3. POLITICAL SCIENCE. B.A. Nebr. Wesleyan, 59; M.A. Rutgers, 64, Ph.D.(polit. sci), 67. Dir. local govt. res, New Brunswick-Raritan Valley Chamber Commerce, 61-63; instr. POLIT. SCI, Rutgers, 63-64; Valparaiso, 64-66; ASST. PROF, Kansas State, 66-68; SAN DIEGO STATE COL, 68- Kansas State Univ. faculty summer fells, 67. Army Nat. Guard, 54-62, Sgt. Polit. Sci. Asn. American urban politics especially the social and psychological characteristics of local leaders; community power structures; political values in the United States; historical and empirical political theory. Publ: The process of urbanization: the political aspects, Kansas State Univ, 67. Address: Dept. of Political Science, San Diego State College, San Diego, Calif. 92115.

SCHULZ, DR. DAVID A, b. St. Louis, Mo, Apr. 17, 33; m. 57; c. 1. SOCIOLOGY. A.B. Princeton, 54; B.D. Va. Sem. & Col, 60; M.A. Washington (St. Louis), 65, Ph.D.(sociol), 68. Field geologist, Am. Zinc Co, 56-57; curate, Grace Episcopal Church, 60-62; ASST. PROF. SOCIOL, PA. STATE, 67- Eval. consult, Diocese of Mo, 65-66. Award, Bobbs-Merrill Co, 65. U.S.A. 54-56. Sociol. Asn. Formation of ore bodies; thermal convection in water saturated sediments; zircon dating techniques; the lower-class Negro family; problems relating to the institutional expression of religious concern. Publ: Variations in the father role in families of the Negro lower

class, Southwest. Soc. Sci. Quart, 12/68. Address: Dept. of Sociology, Pennsylvania State University, University Park, Pa. 16802.

SCHULZ, PROF. E(RNST) B(ERNHARD), b. Cleveland, Ohio, Nov. 1, 96; m; c. 4. POLITICAL SCIENCE. B.S. Michigan, 20, A.M. 21, Ph.D. 27. Asst. prof. POLIT. SCI, LEHIGH, 27-31, assoc. prof, 31-45, prof, 45-65, EMER. PROF, 65- Nat. Munic. League. Political theory; municipal government; state control of municipal corporations; municipal tort liability. Publ: American city government; Essentials of government; Democracy, Barron's, 66. Address: R.D. 1, Coopersburg, Pa. 18036.

SCHULZ, DR. JOHN H. I(GNACIUS), b. Braila, Romania, Sept. 20, 09; nat; m. 46; c. 1. ECONOMICS. M.B.A. Vienna, 30, Dr. jur. utr, 31. Consult. for. exchange probs, Banca Ardeleana, Romania, 35-40; supvr, Am. Maize Prod. Co, Ind, 42-46; asst. mgr. export dept, Montgomery Ward & Co, Ill, 47-48; sales mgr, Dad's Root Beer Co, Md, 48-49; field rep, Res. Inst. Am, D.C, 49-51; CONSULT, ESTATE ECON. & PENSIONS, 51- Adj. prof, Baltimore, 49- Br. mgr, Conn. & Gen. Life Ins. Co, 51-61. Columnist, Life Asn. News, 60- Econ. Asn. Economics of welfare and health; foreign trade; teaching of economics to businessmen. Publ: History of Romania from 1856-1921; Introduction trained economist to estate planning process. Address: 2909 34th St. N.W, Washington, D.C. 20008.

SCHULZ, PROF. LOIS R, b. Ill, June 3, 03. CHILD DEVELOPMENT, PSYCHOLOGY. Ph.B. Chicago, 27; M.A. Michigan, 42; Ed.D.(child psychol), California, Berkeley, 44. Metab. therapist, dietitian, Univ. Chicago Clins, 30-36; res. chief infant & child growth, Merrill Palmer Inst, Mich, 36-42; assoc. res. child psychol, California, Berkeley, 42-44; assoc. prof. child develop. & dir. child develop. lab, Tennessee, 44-47; prof. child & family develop. & chmn. dept. & dir. child develop. lab, Kansas State, 47-55; consult. & tech. asst. child develop, Panjab, Pakistan, 55-58; prof. child develop. lab, Southern Illinois, 59-62; PROF. CHILD DEVELOP, CALIF. STATE COL. LOS ANGELES, 62- Vis. prof, N.Y. Univ. & Washington (Seattle), 57 & 58. Consult, Dacca, 56- Mem, White House Cmt. Children & Youth, 50-55; Nat. Cmt. Proj. Head Start, 65- AAAS; Psychol. Asn; Soc. Res. Child Develop. Publ: Understanding your baby, Viking, 42; A visually handicapped child in the nursery, J. Home Econ, 12/54; co-auth, Parental responses of concepts of parent-adolescent relationships, Child Develop, 12/55. Address: 1646 Amberwood Dr, South Pasadena, Calif. 91030.

SCHULZ, PROF. RUDOLPH W(ALTER), b. Chicago, Ill, Aug. 10, 30; m. 56; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S. Northwestern, 54, Ph.D. 58; M.A. Stanford, 55. Instr. PSYCHOL, Northwestern, 58-59; asst. prof, Carnegie Inst. Tech, 59-60; IOWA, 60-64, assoc. prof, 64-66, PROF, 66-, Old Gold summer faculty res. fel, 63. Mem. grad. fel. selection panel, Nat. Res. Coun-Nat. Sci. Found, 63- U.S.N. 51-52. Fel. AAAS; Psychonomic Soc; fel. Psychol. Asn. Learning and retention of verbal material; mediation in paired-associate learning; effects of meaningfulness; learning of aurally received verbal material; concept formation. Publ: Co-auth, Meaningfulness and verbal learning; co-auth, The A-B, B-C, A-C mediation paradigm: the effects of variation in A-C study- and test-interval lengths and strength of A-B or B-C, J. Exp. Psychol, (in press) & Presentation mode and meaningfulness as variables in several verbal-learning tasks, J. Verbal Learning & Verbal Behavior, (in press). Address: Dept. of Psychology, University of Iowa, Iowa City, Iowa 52240.

SCHULZE, DEAN ROBERT O(SCAR), b. Springfield, Ill, Aug. 6, 22; m. 48. SOCIOLOGY. M.A. Columbia, 51; Ph.D. Michigan, 56. From instr. to PROF. SOCIOL, BROWN, 55-, DEAN COL, 65- U.S.A. 43-46. Sociol. Asn. Social organization, power and stratifications; mass communications. Publ: Co-auth, Trends in mass communications research, In: Handbuch der Empirischen Sozialwissenschaften; Bifurcation of power in a satellite city, In: Community political systems; Determination of local power elites, Am. J. Sociol. Address: Dept. of Sociology, Brown University, Providence, R.I. 02912.

SCHULZE, DR. ROLF HEINZ KURT, b. Berlin, Germany, Mar. 13, 32; U.S. citizen; m. 56; c. 2. SOCIOLOGY. B.A. North Dakota, 58; M.A. Mich. State, 60, Ph.D.(sociol), 66. Res. asst. sociol, Mich. State, 58-63; res. assoc. Community Progress, Inc, Conn, 63-65; instr. SOCIOL, NORTHWESTERN, 65-66, ASST. PROF, 66- Fulbright fel, Bangalore Univ, India, 68-69. Nat. Sci. Found. fel, inst. comp. sociol, Indiana, summer 67. Sig.C, U.S.A. Sociol. Asn. Political sociology; social change and social movements; modern comparative ideologies alienation; social psychological dimensions of belief-systems or ideologies; social action research; community and school desegregation. Publ: A shortened version of the Rokeach dogmatism scale, J. Psychol. Studies, 13: 93-97; co-auth, The measurement of community satisfaction and the decision to migrate, Rural Sociol, 28: 279-283; auth, The recession of ideology?, Sociol. Quart, 5: 148-156. Address: Dept. of Sociology, Northwestern University, Evanston, Ill. 60201.

SCHUM, DR. DAVID A, b. Chicago, Ill, Feb. 20, 32; m. 56; c. 1. PSYCHOLOGY. B.A. Southern Methodist, 56, M.A. 61; Ph.D.(psychol), Ohio State, 64. Res. assoc. lab. aviation psychol, Ohio State, 63-66; ASSOC. PROF. PSYCHOL, RICE, 66- U.S.A.F, 56-59, Capt. Psychol. Asn; Soc. Eng. Psychol. Human inductive inference behavior; man-machine systems research; mathematical psychology. Publ: Inferences on the basis of conditionally nonindependent data, J. Exp. Psychol, 66; Prior uncertainty and amount of diagnostic evidence as variables in a probabilistic inference task, Orgn. Behav. & Human Performance, 8/66; Concerning the evaluation and aggregation of probabilistic evidence by man-machine systems, In: Information system science and technology, 67. Address: Dept. of Psychology, Rice University, Houston, Tex. 77001.

SCHUMACHER, PROF. AUDREY S(IMS), b. High Springs, Fla, Aug. 8, 05; m. 43. PSYCHOLOGY. A.B. Fla. State, 27; M.A. Columbia, 30; Ph.D.(psychol), Western Reserve, 42. Clin. psychologist, Juvenile Court, N.C. 30; Child Guid. Clin, Cleveland, Ohio, 30-34; Joint Psychol. Serv, 34-37; chief clin. psychologist, Guid. Center, 37-47; lectr. PSYCHOL, California, 47-51, assoc. clin. prof, 51-56; PROF, FLORIDA, 58-, dir. clin. psychol. training,

univ. hosp, 58-60. From lectr. to assoc. prof, Western Reserve, 41-47. Sr. clin. psychologist, Berkeley State Ment. Hyg. Clin, 48-51. Consult, Vet. Admin, 47-57. AAAS; fel. Psychol. Asn; fel. Orthopsychiat. Asn; fel. Soc. Proj. Tech. & Personality Assessment. Personality development and change; psychotherapy; behavior therapy. Address: Dept. of Psychology, University of Florida, Gainesville, Fla. 32601.

SCHUMACHER, DR. CHARLES F (REDERICK), b. Chicago, Ill, June 21, 29; m. 51; c. 5. PSYCHOLOGY. B.S. Illinois, 51; Allstate fel. & M.S. Iowa State, 53; Nat. Sci. fel. & Ph.D. Minnesota, 59. Asst. dir. res. Asn. Am. Med. Colls, 57-62; DIR. TESTING SERV, NAT. BD. MED. EXAM, 62- Psychol. Asn; Statist. Asn; Psychomet. Soc. Measurement of ability, interest and personality; characteristics of medical students and their relationship to achievement. Address: National Board of Medical Examiners, 3930 Chestnut St, Philadelphia, Pa. 19104.

SCHUMACHER, DR. E(DWARD) D(ANIEL), U.S. Hist. Sec. Ed, see 5th ed, Dir. Am. Scholars. Vol. I, Hist.

SCHUMAIER, DR. C. P(ETER), b. Pickneyville, Ill, Nov. 25, 22; m. 48; c. 3. AGRICULTURAL ECONOMICS. Ph.D.(agr. econ), Illinois, 54. Prof. agr. econ, Illinois, 54-60; transportation economist, mkt. struct. & costs br, econ. res. serv, U.S. Dept. Agr, D.C. 60-63; ocean shipping economist, maritime admin, U.S. Dept. Commerce, 63-67; economist, Off. Econ. Asst. Secy. Policy Develop, U.S. Dept. Transportation, 67-68; ECON. AFFAIRS OFFICER, UN CONF. TRADE & DEVELOP, DIV. INVISIBLES, GENEVA, SWITZ, 68- U.S.N.R., 45-46, Ens. Econ. Asn; Agr. Econ. Asn; Transportation Res. Forum. Transportation economics and policy research; grain transportation; exemption provisions in national transportation regulations and their effects on agricultural product transportation; ocean transportation. Publ: Co-auth, Bibliography of agricultural transportation; auth, Illinois grain production and trade & Changes in spatial grain price patterns in the United States, Univ. Illinois Agr. Exp. Sta. Bull. Address: United Nations Conference on Trade & Development, Division for Invisibles, Palais des Nations, 1211 Geneva 10, Switz.

SCHUMAN, DR. ELLIOTT P(AUL), b. New York, N.Y., July 15, 25. PSYCHOLOGY. B.S. U.S. Naval Acad, 49; M.A. Columbia, 55, Ph.D.(psychol), 58. Lectr, Columbia, 55-56, instr, 56-57, asst. to dean, Columbia Col, 57-58; counsr. & lectr. psychol, Brooklyn Col, 58-60, asst. coordinator, counseling serv, 59-60; asst. prof. psychol. & dir. testing & counseling, LONG ISLAND, 60-62, ASSOC. PROF. PSYCHOL, 62- Psychotherapist, Morningside Ment. Health Clin, 60-66; Community Guid. Serv, 62-; psychoanalyst, Theodor Reik Consult. Center, 66- U.S.N., 44-54, Res, 54-, Lt. Comdr. AAAS; Psychol. Asn; N.Y. Acad. Sci. Test construction and validation; psychotherapy and psychoanalysis. Publ: Self-acceptance as a determinant of the mode of interpretation of problem situations, Psychol Abstracts. Address: 100 La Salle St, Apt. 10F, New York, N.Y. 10027.

SCHUMAN, PROF. FREDERICK L(EWIS), b. Chicago, Ill, Feb. 22, 04. POLITICAL SCIENCE. Ph.B. Chicago, 24, Ph.D., 27. Instr. polit. sci, Chicago, 27-32, asst. prof, 32-36; vis. lectr. int. rels, WILLIAMS COL, 36-38, WILSON PROF. GOVT, 38- Soc. Sci. Res. Coun. fel, 29-30. Polit. Sci. Asn; Soc. Int. Law. Diplomacy; comparative government; political psychology. Publ: International politics; Russia since 1917; Government in the Soviet Union. Address: 80 Main St, Williamstown, Mass. 01267.

SCHUMER, DR. FLORENCE, b. New York, N.Y., June 4, 24; m. 46; c. 1. CLINICAL PSYCHOLOGY. B.A. Brooklyn Col, 45; fels. Yale, 45-48, M.A., 48, Ph.D.(psychol), 49. Clin. psychologist, counseling center, Prudential Ins. Co, N.J., 48-49; res. assoc. res. center human rel, grad. sch. arts & sci, N.Y. Univ, 49-50, asst. prof. clin. psychol, grad. sch. & sr. psychologist, testing & adv. center, 50-53; sr. clin. psychologist, adult counseling center, med. col, Cornell, 53-56; adj. asst. prof, Barnard Col, Columbia, 56-60, adj. assoc. prof, 65-66, sr. scientist biomet. res. psychiat. inst, univ, 60-64; SR. RES. SCIENTIST, INST. DEVELOP. STUDIES, N.Y. UNIV, 67- Private practice, 48-; consult. psychologist, Jewish Child Care Assn, 54-56; Pride of Judea Children's Home, 56-60; sr. res. assoc. family res. unit, Wiltwyck Sch. Boys, 64-66. Fel. Psychol. Asn; Soc. Psychol. Study Social Issues. Experimental validation of projective techniques; psychosocial aspects of behavior; personality and perception; clinical diagnosis; cognitive and communicational style; disadvantaged children. Publ: Co-auth, An experimental approach to projective techniques, Wiley, 65, Families of the slums: an exploration of their structure and treatment, Basic Books, 67 & Brain-damaged children: a modality oriented exploration of performance, Spec. Child Publ, (in press). Address: 470 West End Ave, New York, N.Y. 10024.

SCHUMSKY, PROF. DONALD ALLEN, b. New York, N.Y., Apr. 2, 32; m. 53; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S. Brooklyn Col, 54; M.S. Tulane, 59, Ph.D., 62. Asst. PSYCHOL, U.S. Army Med. Res. Lab, 54-55; clin. psychol. technician, Valley Forge Army Hosp, 55-56; asst. Tulane, 56-60; instr, 59-60; asst. prof, Washington & Jefferson Col, 60-63; CINCINNATI, 63-66, ASSOC. PROF, 66- U.S.A., 54-56. AAAS; Psychol. Asn; Psychomet. Soc; Statist. Asn. Human verbal and motor learning; quantitative methods and experimental design in psychology; anthropometry of growth and development. Publ: The relationship between generalization and discrimination: training and the definition of response; co-auth, Intra-list interference in single trial short-term memory, Psychonomic Sci, 67; Lean and non-lean body mass estimates in urban school children, In: Human growth, body composition..., Lea & Febiger, 68. Address: Dept. of Psychology, University of Cincinnati, Cincinnati, Ohio 45221.

SCHUPACK, PROF. MARK B(ARRY), b. New Britain, Conn, July 11, 31; m. 52; c. 2. ECONOMICS. B.S. Mass. Inst. Tech, 53; M.A. Princeton, 58, Ph.D.(econ), 60. Indust. engr, Sylvania Elec. Prod, Inc, 53-54; instr. ECON, BROWN, 59-60, asst. prof, 60-65, ASSOC. PROF, 65- Consult, Rand Corp, Calif, 63-65. U.S.A.F., 54-56, 1st Lt. Econ. Asn; Economet. Soc. Econometrics; theory of the firm; simulation models; measurement and transfer of technological change; market structure and industrial organization. Publ: Co-auth, Economics of age, Norton, 67; auth, Economic lot sizes with sea-

sonal demand, Opers. Res; The predictive accuracy of empirical demand analysis, Econ. J, 9/62. Address: Dept. of Economics, Brown University, Providence, R.I. 02912.

SCHUPPER, DR. FABIAN X(ERKES), b. New York, N.Y., June 20, 22. PSYCHOLOGY. B.A. N.Y. Univ, 50; M.A. Connecticut, 53, Ph.D., 55. Lectr. psychol, Maryland, 56-60; CHIEF PSYCHOLOGIST, Morningside Ment. Hyg. Clin, 60-65; DIR. PSYCHOL, ROOSEVELT HOSP, 63- Lectr, Berlin Psycho-Anal. Inst, 59-60; adj. assoc. prof, Long Island, 60-67; supv. psychologist, Lincoln Inst. Psychother, 60-65; clin. prof, Adelphi, 63- Consult, Army Ed. Center, Berlin, 57-60. Psychol. Asn; Int. Psychoanal. Asn; Asn. Appl. Psychoanal. (v.pres, 67-). Psychoanalytic theory; psychotherapy. Publ: Dynamics motive des antisemitismus, In: Jahrbuch der psychoanalyse Band II. Address: 320 W. 86th St, New York, N.Y. 10024.

SCHUR, PROF. EDWIN M(ICHAE), b. New York, N.Y., Oct. 18, 30; m. 53; c. 3. SOCIOLOGY. A.B. Williams Col, 52; LL.B. Yale, 55; M.A. New Sch. Soc. Res, 57; Ph.D.(sociol), London Sch. Econ, 59. Tutor SOCIOL, London Sch. Econ, 58-59; instr, Wellesley Col, 59-61; asst. prof, TUFTS, 61-64, assoc. prof. & acting chmn. dept, 64-66, CHMN. DEPT, 66-, PROF, 67- Russell Sage Found. residency fel, center for study of law & society, California, Berkeley, 63-64. Mem. task force on homosexuality, Nat. Inst. Ment. Health, 67- U.S.A., 55-57. Sociol. Asn; Soc. Study Social Probs; Law & Society Asn; Nat. Coun. Family Rel. Deviant behavior; criminology; sociology of law. Publ: Narcotic addiction in Britain and America, Indiana Univ, 62, Tavistock Pub, 63; Crimes without victims, Prentice-Hall, 65; Law and society: a sociological view, Random, 1/68. Address: Dept. of Sociology, Tufts University, Medford, Mass. 02155.

SCHUR, PROF. LEON M(ILTON), b. Milwaukee, Wis, Jan. 11, 23; m. 49; c. 3. ECONOMICS. B.A. Wisconsin, 46, Ph.D.(econ), 55. From asst. prof. to assoc. prof. econ, La. State, 55-64; PROF. ECON. & DIR. CENTER ECON. ED, WISCONSIN, MILWAUKEE, 64- Am. Philos. Soc. res. grant, 61. U.S.N., 43-46. Econ. Asn; Finance Asn. Money and banking; business cycles; international trade. Publ: Central bank inflation control, American experience, 1789-1929; Second bank of the United States and the inflation after the war of 1812, J. Polit. Econ, 4/60. Address: Dept. of Economics, University of Wisconsin, Milwaukee, Wis. 53201.

SCHURMAN, PROF. BERNARD, b. Java, S.Dak, May 1, 16; m. 39; c. 2. ECONOMICS. B.S.S. City Col. New York, 39; M.A. Columbia, 47, Ph.D., 58. Instr. ECON, City Col, 47-48; asst. prof, RHODE ISLAND, 49-56, assoc. prof, 56-59, PROF, 59- U.S.A., 42-46. Econ. Asn. Economic doctrines; theory; economic history. Address: Dept. of Economics, University of Rhode Island, Kingston, R.I. 02881.

SCHURR, SAM H(AROLD), b. Youngstown, Ohio, Apr. 11, 18; m. 41. ECONOMICS. B.A. Rutgers, 38, M.A., 39; Columbia, 39-42. Economist, Nat. Bur. Econ. Res, 39-43; Off. Strategic Serv, 43-46; res. assoc. & asst. prof, Cowles Cmn. Res. Econ, Univ. Chicago, 46-49; chief mfg. & mining br, div. inter-indust. rels, U.S. Bur. Labor Statist, 49-50; chief economist, U.S. Bur. Mines, 50-53; chief, Rand-sponsored econ. res, Rand Corp, 53-54; DIR. ENERGY & MINERAL RESOURCES PROG, RESOURCES FOR FUTURE, INC, 54- Chmn, U.S. Tech. Adv. Panel Energy Resources, UN Conf. Appln. Sci. & Tech. for Benefit of Less Developed Areas, 62-63. Mineral econ. award, Am. Inst. Min. Metall. & Petrol. Eng, 68. AAAS; Econ. Asn. Economic aspects of natural resource production and use; economic development; international trade. Publ: Co-auth, The mining industries, 1899-1939, Economic aspects of atomic power & Energy in the American economy, 1850-1975. Address: 5010 Garfield St. N.W., Washington, D.C. 20016.

SCHUSKY, PROF. ERNEST L(ESTER), b. Portsmouth, Ohio, Oct. 13, 31; m. 68; c. 1. ANTHROPOLOGY, SOCIOLOGY. A.B. Miami (Ohio), 52, M.A., 57; Ph.D.(anthrop), Chicago, 60. Res. assoc. anthrop, South Dakota, 58; instr. sociol. & anthrop, S.Dak. State Col, 58-60; asst. prof. ANTHROP, SOUTHERN ILLINOIS, 60-64, ASSOC. PROF, 64- Fulbright award, India, 64. Summer, res. consult, Presby. Nat. Bd. Missions, 61. U.S.A., 54-55, Res, 55-62. Fel. Anthropol. Asn; Soc. Appl. Anthropol. Ethnol. Soc; Sociol. Asn. Community development; culture change; applied anthropology; North American and African ethnography; social structure. Publ: A manual for kinship analysis, Holt, 65; co-auth, Introducing culture, Prentice-Hall, 67; Politics and planning in a Dakota Indian community. Address: Behavioral Science Faculty, Southern Illinois University, Edwardsville, Ill. 62025.

SCHUSSHEIM, PROF. M(ORTON) J(OEL), b. Nov. 5, 24; m. c. 4. ECONOMICS, PUBLIC ADMINISTRATION. A.B. Western Reserve, 47; M.A. & M.P.A., Harvard, 49, fel, 49-50, Ph.D.(econ), 52. Res. assoc. city planning, grad. sch. design, Harvard, 50-52; city planner, Cleveland City Planning Cmn, 52-55; consult. & dir. res, State Rent Cmn, N.Y., 55-59; dep. dir. area develop, Cmt. Econ. Develop, 59-61; asst. adminstr. prog. policy, Housing & Home Finance Agency, 61-66; dir. off. prog. policy, Dept. Housing & Urban Develop, 66; MEM. STAFF, INST. ENVIRON. STUDIES, PROF. CITY PLANNING & CHMN. GRAD. GROUP, PENNSYLVANIA, 66- Lectr, Western Reserve, 52-55; Columbia, 56-58; N.Y. Univ, 58-59. Mem. bldg. res. adv. bd, Nat. Acad. Sci, 62-; urban studies fel. bd, Dept. Housing & Urban Develop, 67- U.S.A., 43-46. Econ. Asn. Relation between investments in housing and urban facilities and economic growth; federal and local decision-making for urban development and housing. Publ: Prospects for urban renewal; High rent housing and rent control in New York City; co-auth, Cost of municipal services in residential areas. Address: 211 Valley Rd, Merion, Pa. 19066.

SCHUSTER, DR. DANIEL BRADLEY, Psychiat, see 11th ed, Phys. & Biol. Vols.

SCHUSTER, DR. JOSEPH H(ENRY), b. Gary, W.Va, Aug. 31, 17; m. 48; c. 5. ECONOMICS. B.S. Xavier, 41; M.A. Cincinnati, 47; Ph.D., Georgetown, 59. ECONOMIST, U.S. Dept. Labor, 50-59; NAT. SCL FOUND, 59- U.S.A., 41-46, Capt. Econ. Asn. Theory of economic development; wage theory. Address: 5822 Greenlawn Dr, Bethesda, Md. 20014.

- SCHUTJER, DR. WAYNE A, b. Brookings, S.Dak, Sept. 18, 36; m. 59; c. 2. ECONOMICS, AGRICULTURAL ECONOMICS. B.S. S.Dak. State, 59, M.S., 61; Ph.D.(agr. econ), Mich. State, 64. Asst. prof. agr. econ, Pa. State, 64-67; INT. ECONOMIST, AGENCY INT. DEVELOP, 67- Agr. Econ. Asn; Econ. Asn. International agricultural trade and development; domestic rural resource mobilization. Publ: Co-auth, A system of computer programs for property title searches, Inst. Res. Land & Water Resources Report 53, 9/67 & Negotiating a world cocoa agreement: analysis and prospects, Bull. 744, Pa. State Agr. Exp. Sta, 10/67; auth, PL 480 and farm production: the Columbian experience, Inter-Am. Econ. Affairs, summer 65. Address: Dept. of Agricultural Economics, Pennsylvania State University, University Park, Pa. 16802.
- SCHUTZ, DR. HOWARD G(EN^W), b. Chicago, Ill, Jan. 25, 28; m. 53; c. 3. PSYCHOLOGY. B.A. Illinois, 50; M.S. Ill. Inst. Tech, 52, Ph.D.(psychol), 55. Res. psychologist, Qm. Food & Container Inst, 51-57; sr. psychologist, Battelle Mem. Inst, 57-62; chief sensory eval. sect, HUNT-WESSON FOODS INC, 62-65, assoc. dir. res, 65-68; MGR. NEW PROD. EXPLOR. & SCREENING, 68- Lectr, Calif. State Col. Fullerton, 63. U.S.A.A.F, 45-47. Psychol. Asn; Statist. Asn; Inst. Food Tech; Soc. Test. & Mat. Sensory evaluation of foods, new food product explorations, consumer psychology. Address: 1124 Berenice Dr, Brea, Calif. 92621.
- SCHUTZ, DR. RICHARD E(EDWARD), b. Long Beach, Calif, May 6, 29; m. 51; c. 3. EDUCATIONAL PSYCHOLOGY. B.A. California, Los Angeles, 51, M.A., 53; Am. Ed. Res. Asn. fel, 55-56; Ph.D. Columbia, 57. Asst. ed. psychol, California, Los Angeles, 54-55; ed. test div, World Book Co, N.Y., 56-57; prof. ed. psychol, Arizona State, 57-66; DIR. SOUTHWEST REGIONAL LAB. FOR ED. RES. & DEVELOP, 66- U.S.A.F, 51-53, 1st Lt. Psychol. Asn; Psychomet. Soc; Coun. Measurement in Ed; Psychonomic Soc. Programmed instruction; experimental analysis of classroom learning; test construction; factor analysis; educational statistics; research management; computer applications in education. Address: Southwest Regional Lab. for Educational Research & Development, 11300 La Cienega Blvd, Inglewood, Calif. 90304.
- SCHUTZ, DR. ROBERT R(UDOLPH), b. Bixby, Minn, July 22, 15; m. 49; c. 4. ECONOMICS. B.S. Minnesota, 39, M.S., 41; Mass. Inst. Tech, 43; fel, California, 48-49, Ph.D.(econ), 51. Lectr. bus. admin, California, 52-54; asst. dir. & pub. affairs dir, Sta. KPFA, Calif, 54-57; economist & ed. Monthly Rev. Fed. Reserve Bank, 57-59; Wash. rep. Lobby for Peace, 60-63; exec. dir. Am. Soc. East. Arts, 63-68; WRITER, 68- V-pres, Pacifica Found, 54-57. U.S.N.R., 42-46, Lt. Econ. Asn; Economet. Soc. Income distribution; public finance; industrial organization; guaranteed annual income. Publ: On the measurement of income inequality, Am. Econ. Rev. Address: 1304 Acton St, Berkeley, Calif. 94706.
- SCHUTZ, DR. WILLIAM C(ARL), b. Chicago, Ill, Dec. 19, 25. PSYCHOLOGY. Ph.D.(psychol), California, Los Angeles, 51. Instr. & exec. secy, Chicago, 50-51; assoc. res. prof. systs. anal, Tufts, 53-54; lectr. & res. assoc. soc. psychol, Harvard, 54-58; assoc. res. psychologist, inst. personality assessment, California, Berkeley, 58-59, lectr. ed. & res. educator, 59-63, lectr. psychiat, med. sch, San Francisco, 60-63; assoc. prof. psychol, Albert Einstein Col. Med, 63-67; ASSOC-IN-RESIDENCE, ESALEN INST, 67- U.S.N., 43-45, 51-53. Lt. Psychol. Asn; Group Psychother. Asn. Development of human potential; interpersonal behavior; design of research in behavioral science. Publ: FIRO: a three-dimensional theory of interpersonal behavior, paperback ed, The interpersonal underworld; JOY: expanding human awareness, Grove, 67; Some applications of the calculus of empirical classes to social science methodology, Psychometrika. Address: Esalen Institute, Big Sur, Calif. 93920.
- SCHUYLER, JOSEPH B(ERNARD), S.J, b. Brooklyn, N.Y., June 14, 21. SOCIOLOGY. B.A. M.A. & Ph.L. St. Louis; S.T.L. Woodstock Col; Ph.D.(sociol), Fordham, 56. Instr. & asst. dir, Crown Heights Labor Sch, N.Y. & instr. hist. & soc. studies, Brooklyn Prep. Sch, 45-48; asst. prof. SOCIOL, FORDHAM, 55-62, ASSOC. PROF, 62-; ON LEAVE, ASSOC. PROF, LAGOS, 63- Soc. Asn; Soc. Sci. Study Relig; Nigerian Econ. Soc. Religious sociology; inter-ethnic relations, especially among tribes and races; religious function in nation building; role of religion in cultural and value changes. Publ: Co-auth, Christian in modern society, Silver, 65; auth, Conceptions of Christianity in Sub-Saharan Africa, African Ecclesiastical Rev, 67, & In: Christianity in Sub-Saharan Africa, Oxford Univ, 68. Address: Dept. of Sociology, University of Lagos, Lagos, Nigeria.
- SCHWAB, DR. GEORGE, b. Nov. 25, 31; U.S. citizen; m. 65. POLITICAL SCIENCE. B.A. City Col. New York, 54; M.A. Columbia, 55, Ph.D., 68. Lectr. polit. sci, Columbia, 59; HIST, CITY COL. NEW YORK, 62- Introduction of tactical nuclear weapons into the military arsenals of small powers; problems in contemporary political theory. Publ: Enemy or foe: the conflict of modern politics in Festschrift fuer Carl Schmitt, Duncker & Humblot, Berlin, 68; George Dayez: beyond abstract art, L'Edition d'Art H. Piazza, Paris, 68. Address: 170 West End Ave, New York, N.Y. 10023.
- SCHWAB, DR. JOHN J, Psychiat, Psychosom. Med, See 11th ed, Suppl. IV to Phys. & Biol. Vols.
- SCHWAB, DR. WILLIAM B, b. Philadelphia, Pa, May 19, 17; m. 48; c. 3. CULTURAL ANTHROPOLOGY. B.A. Michigan, 38; M.A. Pennsylvania, 47, Ph.D., 52; Brit. Soc. Sci. Res. Coun. fel, London, 49-51. Instr. anthropol, Haverford Col, 51-54; lectr, Columbia, 54-55, Ford Found. fel, 55-56; PROF. ANTHROP, TEMPLE, 57- Res. grants, Am. Philos. Soc, 53, Pop. Coun, 58-59 & Nat. Sci. Found, 60-62. Lectr, New Sch. Soc. Res, 58-60; Dropsie Col, 60- Consult, African Prog, Boston Univ, 61-62. U.S.A., 41-46, Lt. Fel. AAAS; fel. Am. Anthropol. Asn; Coun. For. Rels; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland; Int. African Inst. Culture change and urbanism; African societies; technical assistance and underdeveloped areas; colonial policy and methodology. Publ: Social stratification in Gwelo, In: Social change in modern Africa; Experiment in resettlement in northern Nigeria, In: Hands across frontiers; Kinship and lineage among the Yoruba, Africa. Address: Dept. of Anthropology, Temple University, Philadelphia, Pa. 19122.
- SCHWADA, DR. JOHN W, b. Okla, Sept. 23, 19; m. 47; c. 2. POLITICAL SCIENCE. B.S. Kirksville State Col, 41; M.A. Missouri, 47; Ph.D. Texas, 51. Assoc. prof. polit. sci, MISSOURI, COLUMBIA, 51-61, PROF. POLIT. SCI, 61-, CHANCELLOR, 64-, acting dean sch. bus. & pub. admin, 61-62, dean faculties, 61-64. Assoc. res. dir, State Reorgn. Cmn, Mo, 54-55, comptroller & budget dir, 58-61. U.S.A.A.F, 42-46, Capt. Polit. Sci. Asn; Soc. Pub. Admin. Public administration; American government; international politics. Address: Office of the Chancellor, University of Missouri, 101 Jesse, Columbia, Mo. 65201.
- SCHWAMM, DR. GUSTAVE, b. New York, N.Y., Dec. 5, 04; m. 45; c. 2. BUSINESS LAW. B.S. N.Y. Univ, 26 J.D., 30, M.A., 42; Columbia, 30-31. Instr. BUS, RUSSELL SAGE COL, 43-44, asst. prof, 45-52, ASSOC. PROF, 52-, CHMN. SCH. BUS, 53- Spec. instr, Am. Savings & Loan Inst, 51-55. Am. Acct. Asn; Soc. Med. Jurisp. Address: Dept. of Business, Russell Sage College, Troy, N.Y. 12180.
- SCHWARTZ, DR. ARTHUR N(ATHANIEL), b. Chicago, Ill, June 14, 22; m. 46; c. 6. CLINICAL & SOCIAL PSYCHOLOGY. A.B. Concordia Col, 41; Houston, 50; East Wash. State Col, 56-57; Ph.D.(psychol), Washington (St. Louis), 62. Staff psychologist, Vet. Admin. Hosp, American Lake, Tacoma, Wash, 62-65; chief psychol. sect, LOS ANGELES VET. ADMIN. CENTER, 65-67, MEM. RES. STAFF GERONT, 67- Lectr, Puget Sound, 62-64; Pacific Luther, 62-64; sch. pub. health, California, Los Angeles, 67- U.S.A.F, 52-56, 1st Lt. Psychol. Asn; Soc. Clin. & Exp. Hypnosis; Orthopsychiat. Asn. Somatopsychological aspects of the aging process; process and dynamics in group therapy; measures of the social-desirability response. Publ: Co-auth, The effects of illness and age upon some aspects of personality, J. Geront, Vol. 20, No. 1, Patient models and affect statements in group therapy, Proc. Am. Psychol. Asn, 65; & Relationship between 3-D scale value and probability of endorsement for responses in social situations, J. Proj. Tech. & Personality Assessment, Vol. 30, No. 3. Address: Psychology Service, 183 D, Veteran Administration Center, Los Angeles, Calif. 90073.
- SCHWARTZ, DR. ARTHUR S(OLOMON), b. New York, N.Y., June 12, 24; m. 51; c. 5. PSYCHOLOGY. B.A. N.Y. Univ, 50; fel, Buffalo, 55-56, Ph.D., 57. Asst. psychol, Buffalo, 52-55; U.S. Pub. Health Serv. fel, California, Los Angeles, 56-58; res. psychologist, clin. neuropharmacol. res. center, Nat. Inst. Ment. Health, 58-62; CHIEF LAB. PHYSIOL. PSYCHOL, BARROW NEUROL. INST, 62- Vis. assoc. prof, Arizona State, 62-67. Consult. psychologist, Vet. Admin, 66-67. U.S.A., 43-46. AAAS; Psychol. Asn; N.Y. Acad. Sci. Psychological psychology; brain function; neurophysiology; neuropharmacology. Publ: Co-auth, Retinal effects of high doses of LSD in the cat, Exp. Neurol, 11/65; Neural mechanisms involved in the critical flicker frequency of the cat, Brain Res, 66; Extinction to bilateral simultaneous stimulation in the monkey, Neurology, 67. Address: 1146 W. Royal Palm Rd, Phoenix, Ariz. 85021.
- SCHWARTZ, BELLA, b. New York, N.Y. ECONOMICS. A.B. George Washington, 44, M.A., 51. Economist, Off. Price Admin, D.C., 43-47; for. affairs analyst, U.S. Dept. State, 47-52; bus. economist, Off. Price Stabilization, 52-53; LABOR ECONOMIST, Nat. Sci. Found, 55-62; U.S. DEPT. LABOR, 62- AAAS; Econ. Asn. International trade and development; stabilization economics; history of economic thought. Address: 2222 Eye St. N.W., Apt. 601, Washington, D.C. 20037.
- SCHWARTZ, DR. CARL H(ERBERT), JR, b. Ft. Wayne, Ind, Mar. 13, 10; m. 36; c. 1. ECONOMICS. A.B. Michigan, 32, M.A., 33; univ. fel, Columbia, 33-34, Ph.D., 38. Asst. bur. bus. res, Michigan, 31-33; sr. financial analyst, Farm Credit Admin, U.S. Dept. Agr, 34-42; from budget exam. to chief resources & civil works div, U.S. BUR. BUDGET, EXEC. OFF. OF PRESIDENT, 42-67, DIR, NATURAL RESOURCES PROG. DIV, 67- Nat. Civil Serv. League award, 65. Econ. Asn. Financial study of the joint stock land banks. Address: 3407 Alabama Ave, Alexandria, Va. 22305.
- SCHWARTZ, DR. CARROLL JACOB, b. Harrisburg, Ill, Apr. 20, 30. GEOGRAPHY. B.S.Ed, Southern Illinois, 58, M.A., 59; Ph.D.(geog), Mich. State, 67. Teacher, high sch, Ill, 59-60; asst. prof. GEOG, Murray State, 60-61; Wis. State, Platteville, 62-63; instr, Southern Illinois, Edwardsville Campus, 63-66; ASST. PROF, NORTHEAST. ILL. STATE COL, 66- U.S.A.F, 51-55. Asn. Am. Geog. Urban geography of Mexico. Address: Dept. of Geography, Northeastern Illinois State College, Chicago, Ill. 60625.
- SCHWARTZ, DR. CHARLEEN, b. Cleveland, Ohio, July 10, 16; m.(annulled); c. 4. PSYCHOANALYSIS. A.B. Michigan, 35; M.A. Laval, 50, Ph.D.(philos, psychoanal), 54. Instr. psychol, Xavier, 49-51; lay analyst private practice, 51- Philos. Asn; Can. Psychol. Asn. Moral theology; developing a therapy ordered to a complete cure, rather than adjustment, by discovering more adequately the causes of neurosis. Publ: Neurotic anxiety, Sheed, 54; Essays on morality and psychotherapy, Michel Doyon, Que, 61; Jung and Freud, Integrity, 53. Address: 3312 Columbia Pkwy, Cincinnati, Ohio 45226.
- SCHWARTZ, DR. DAVID CHARLES, b. New York, N.Y., Feb. 27, 39. POLITICAL SCIENCE, SOCIAL SCIENCE. A.B. Brooklyn Col, 60, M.A., 62; Ph.D. (polit. sci), Mass. Inst. Tech, 65. Lectr. polit. sci, Brooklyn Col, 61-62; res. analyst strategic studies, Raytheon Corp, 62-63; instr. soc. sci, Mass. Inst. Tech, 63-64; ASST. PROF. POLIT. SCI, PENNSYLVANIA, 65- Vis. asst. prof, Columbia, 67-68. Consult. revolutionary theory, American Univ, 64-65. Polit. Sci. Asn; Acad. Polit. & Soc. Sci; Int. Peace Res. Asn. Political recruitment; alienation and revolution; international-national linkages; crisis behavior. Publ: Problems in political gaming, 65 & Decision theories and crisis behavior, 67, Orbis; A theory of revolutionary behavior, MORS Proc, 67. Address: 2122 Locust St, Philadelphia, Pa. 19103.
- SCHWARTZ, DONALD A(LBERT), Econ, see 10th ed, Soc. & Behav. Vols.
- SCHWARTZ, DR. DOUGLAS W(RIGHT), b. Erie, Pa, July 29, 29; m; c. 3. ANTHROPOLOGY. Woodward fel. & Ph.D. Yale, 55. Instr. Oklahoma, 55-56; from asst. prof. to prof. anthropol. & dir. mus. anthropol, Kentucky, 56-67, acad. asst. to pres, 63-64; DIR. SCH. AM. RES, 67- Wenner-Gren Found. grant, 56. Anthropol. Asn; Soc. Am. Archaeol. (memor. ed, 67-). Archaeology; culture change; Grand Canyon cultural history. Publ: An historical analysis

and synthesis of Grand Canyon archaeology, *Am. Antiquity*, 66; Conceptions of Kentucky prehistory 1661-1957: a case study in the history of archaeology, *Studies in Anthropol.* 5, 67; North American archeology in historical perspective, *Proc. Int. Cong. Hist. Sci.*, Warsaw, 67. Address: School of American Research, P.O. Box 1554, Santa Fe, N.Mex. 87501.

SCHWARTZ, DR. EDWARD, b. Chicago, Ill, July 1, 22; m. 60; c. 3. PSYCHOLOGY. B.S., DePaul, 42; M.A., Northwestern, 53, Ph.D.(psychol), 54. Teaching asst. psychol, Northwestern, 51-52, res. asst., 52-54; res. psychologist, California, Los Angeles, 54-56, U.S. Pub. Health serv. psychol., 55-56; counseling psychologist, voc. rehab. & ed. div., Vet. Admin. Regional Off., Chicago, 56-59; superv. res. psychologist, phys. med. & rehab. dept., Hines Vet. Admin. Hosp., Ill, 59-62; grants assoc. div. res. grants, Nat. Insts. Health, 62-63, asst. chief grants mgt. br., 63-67; CHIEF POLICY & PROCEDURES SECT., BUR. HEALTH SERV., U.S. PUB. HEALTH SERV., 67- Finance C, U.S.A., 43-46, T/Sgt. Psychol. Asn. Electroencephalography; psychopharmacological and psychophysiological research with animals; perception, learning and memory; vision; brain mechanisms; psychological testing. Publ: Co-auth, Comparison of psychophysical methods in the investigation of foveal simultaneous brightness contrast, 50:171-174 & Reaction time and EEG activation under alerted and nonalerted conditions, 58:1-7, *J. Exp. Psychol.*; Hippocampal potentials evoked by paired stimuli, *Proc. Am. Electroencephalog. Soc. Meeting*, 6/61. Address: Bureau of Health Services, U.S. Public Health Service, 800 N. Quincy St, Arlington, Va. 22203.

SCHWARTZ, DR. EDWARD M(ARTIN), b. New York, N.Y., Nov. 6, 32; m. 58; c. 2. PSYCHOLOGY. B.S., City Col. New York, 59; M.A., Michigan, 61, Ph.D.(psychol), 66. Clin. psychologist, DEPT. PEDIAT., MED. CENTER, MICHIGAN, 64-66, INSTR. PEDIAT. PSYCHOL., 66- Consult, UNITED Cerebral Palsy Asn. Mich, 66-; dept. pediat., Wayne County Gen. Hosp., 66- U.S.A., 53-55, Res, 55-61. Psychol. Asn. Family interaction patterns of adoptive families and of the personality characteristics of adopted children; psychological test items in differentiating childhood learning disabilities. Publ: Co-auth, A longitudinal study of the academic, social and emotional functioning of adopted children, *Child Welfare*, (in press). Address: Dept. of Pediatrics, University of Michigan Medical Center, Ann Arbor, Mich. 48104.

SCHWARTZ, PROF. ELI, b. New York, N.Y., Apr. 2, 21; m. 48; c. 2. ECONOMICS, FINANCE. B.S., Denver, 43; Manchester, 45; M.A., Connecticut, 48; Ph.D.(econ), Brown, 52. Instr. econ., Rhode Island, 47-48; Brown 48-51; chief dist. economist, Off. Price Stabilization, R.I. & Mass, 51-53; lectr. econ., Mich. State, 53-54; asst. prof. finance, LEHIGH, 54-58, assoc. prof., 58-62, PROF. ECON., 62- Ford summer fel, 59; lectr., London Sch. Econ., 66. Consult, City of Bethlehem, Pa; Gen. Tire & Rubber Co; Lehigh-Northampton Counties Joint Planning Cmn., 65- U.S.A., 43-46. Econ. Asn; Finance Asn. Theory of business finance; public finance; economic development. Publ: Corporation finance: Fish pond culture for underdeveloped areas, *Land Econ*; Theory of capital structure of the firm, *J. Finance*. Address: Dept. of Economics, Lehigh University, Bethlehem, Pa. 18015.

SCHWARTZ, DR. EMANUEL K(ING), b. New York, N.Y., June 11, 12; m. 43. PSYCHOLOGY. B.S.S., City Col. New York, 32, M.S., 33; Ph.D.(exp. ed), N.Y. Univ., 37; D.Sc.(psychol), New Sch. Soc. Res., 49; cert. Post Grad. Center Psychother., 50. Dir. div. soc. & cultural adjust., Nat. Refugee Serv., 37-39; tech. superv. adult guid. ed., New York Bd. Ed., 40-42; from psychotherapist to MEM. FACULTY, POST GRAD. CENTER MENT. HEALTH, 47- DIR. TRAINING & DEAN, 63- asst. dean, 55-60, dean, 60-63. Lectr., Long Island, 50-53; assoc. guid. lab., Teachers Col., Columbia, 51; adj. prof., grad. sch., N.Y. Univ. & clin. prof., inst. adv. studies behav. sci., Adelphi, 62- Private practice, 37; consult, Vet. Admin., 60- Dipl., Am. Bd. Exam. Prinl. Psychol., 51; Am. Bd. Exam. Psychol. Hypnosis. Ed. Mind to mind; co-auth, Psychoanalysis in groups, Grune, 62 & Professional education of the psychoanalytic psychotherapist, Am. J. Psychother. Address: Post Graduate Center for Mental Health, 124 E. 28th St, New York, N.Y. 10016.

SCHWARTZ, DR. FRED, b. Pinebrook, N.J., May 1, 30; m. 52; c. 1. CLINICAL & EXPERIMENTAL PSYCHOLOGY. B.S., City Col. New York, 51, M.A., 52; Ph.D., Massachusetts, 59. Res. fel., Massachusetts, 56-58; intern, Middletown State Hosp., Conn., 58-59; res. fel., Austen Riggs Center, Stockbridge, 59-61, res. investr., 61-65, assoc. res. psychologist, 65-68; consult, MONTEFIORE HOSP., 67-68, HEAD PSYCHOLOGIST, 68- U.S.A., 53-55. Psychol. Asn. Short-term memory; attention; thought processes. Publ: Morphological coding in short-term memory. *Psychol. Reports*, 66; co-auth, Rapaport's theory of attention cathexis, *Bull. Menninger Clin*, 67 & A psychoanalytic model of attention and learning, *Psychol. Issues*, 68. Address: Pease Terr, Lee, Mass. 01238.

SCHWARTZ, DR. GEORGE, b. New York, N.Y., July 11, 21; m. 50. MARKETING. B.A., Brooklyn Col., 43; Ph.D.(mkt), 60, Pennsylvania. Res. asst. statist., U.S. Cane Sugar Refiners Asn., 41-42; res. analyst for. affairs, U.S. Dept. State, 46-51; br. chief govt. regulation, U.S. Salary Stabilization Bd., 51-53; mkt. res. analyst, Town Advert. Agency, 53-54; instr. MKT., Pennsylvania, 58-59; asst. prof., Rochester, 60-65; ASSOC. PROF. MASSACHUSETTS, AMHERST, 65- Reynolds Library Found. grant, 64. Summers, Gulf Oil Corp. Found. grant, 62, Ford Found. grant, 63. U.S.A.A.F. & Off. Strategic Serv., 43-45. Mkt. Asn. Marketing theory and science; creativity and marketing; business and the social problems of our time. Publ: Development of marketing theory, *South-Western Pub.*, 63; co-auth, Science in marketing, Wiley, 65; auth, Creativity and marketing, *Proc. Am. Mkt. Asn.*, 66. Address: Dept. of Marketing, School of Business Administration, University of Massachusetts, Amherst, Mass. 01002.

SCHWARTZ, DR. HARRY, b. New York, N.Y., Sept. 10, 19; m. 41; c. 3. ECONOMICS. B.A., Columbia, 40, M.A., 41, Ph.D., 43. Instr. statist., Columbia, 40-41; economist, War. Prod. Bd., 42; U.S. Dept. Agr., 42-43; U.S. Dept. State, 45-46; SPECIALIST SOVIET AFFAIRS, NEW YORK TIMES, 51-; UNIV. PROF., STATE UNIV. N.Y. COL. NEW PALTZ, 67- Prof., Syracuse, 46-53; vis. prof., Columbia, 61. U.S.A., 43-45, 1st Lt. Econ. Asn. Soviet economics and politics; the Communist world. Publ: China; The Soviet economy since Stalin; Tears, mandarins and commissars: a history of Chinese-Russian relations. Address: 50 Argyle Rd, Scarsdale, N.Y. 10583.

SCHWARTZ, DR. HARRY S(WEITCHER), b. Philadelphia, Pa., Aug. 14, 17; m. 41; c. 3. ECONOMICS. B.Sc., Pennsylvania, 38; Ph.D., California, 56. Asst. statistician, U.S. Bur. Census, 40-41; inspector, wage hour div., U.S. Dept. Labor, 41-42; superv. statist. reports, Fed. Reserve Bank San Francisco, 48-48, economist, 48-50, head res. dept., 50-56, sr. economist, 56-59, asst. v.pres., 60-61; consult, FED. HOME LOAN BANK BD., 61, ADV. & DIR. OFF. RES., 61- Lectr., grad. sch. bus. admin., California, 59-62. Consult, Cent. Bank Iran, 64; U.S. expert, capital mkt. study, Orgn. Econ. Coop. & Develop., France, 65-66. U.S.N.R., 42-46, Lt. Comdr. Econ. Asn; Statist. Asn. Monetary policy; industrial structure; income and saving. Publ: Co-auth, Capital markets study, Orgn. Econ. Coop. & Develop., Vol. II, 67; auth, Taxation and incentive, comment, *Quart. J. Econ*; Problems of short range forecasting, *Proc. Pac. Coast Econ. Asn.* Address: 8309 Loring Dr, Bethesda, Md. 20034.

SCHWARTZ, DR. HARVEY, b. Toronto, Ont., June 16, 36; m. 62; c. 1. ECONOMICS. B.Com., Toronto, 60, M.A., 61; Ph.D.(econ), Illinois, 66. Teaching asst. ECON., Illinois, 61-65; lectr., YORK (ONT), 65-66, ASST. PROF., 66- ACTING CHMN. DEPT., 67- Consult, Royal Cmn. Farm Mach., Can., 66- Am. Econ. Asn; Can. Econ. Asn; Econ. Hist. Asn. Location theory; industrial organization; economic history. Address: Dept. of Economics, York University, Downsview, Ont., Can.

SCHWARTZ, DR. HENRY A(LLEN), b. Pittsburgh, Pa., Apr. 2, 31; m. 50; c. 2. PSYCHOLOGY. B.S., Col. William & Mary, 59; M.A., Hopkins, 61, Ph.D.(psychol), 62. Res. assoc. ed. & training, INT. BUS. MACH. CORP., White plains, N.Y., 62-63, eng. psychologist, Owego, 63-64, adv. psychologist, Poughkeepsie, 64-67, mgr. commun. res. ARMONK, 67-68, PROG. DIR. FINANCIAL MGT. DEVELOP. & ASSESSMENT, 68- U.S.A.F., 50-54, S/Sgt. Psychol. Asn. Human learning and memory; education and training; management and executive assessment. Publ: Influence of instructional set and response frequency on retroactive interference, *J. Exp. Psychol.*, 63; co-auth, Instruction by computer: motives and methods, *Datamation*, 66 & A study of remote industrial training via computer assisted instruction, 67, *J. Appl. Psychol.* Address: 19 Pasture Lane, Poughkeepsie, N.Y. 12603.

SCHWARTZ, DR. LEONARD J(ULES), b. New York, N.Y., Nov. 25, 26; m. 49; c. 4. PSYCHOLOGY. B.S.S., City Col. New York, 49, M.S.S., 50; Ph.D.(psychol), N.Y. Univ., 54. Supv. psychologist, Huntington Hosp., Babylon, N.Y., 55-59; PRACTISING PSYCHOLOGIST, 59- Clin. psychologist & consult, N.Y. State Voc. Rehab. Bd., 54-; superv. psychother., inst. adv. psychol. studies, Adelphi, 65-; assoc. clin. prof., 66- Psychol. consult, upward bound prog., Adelphi Suffolk Col. faculty, Workshop Inst. Living-Learning, 66- U.S.N., 44-46. Psychol. Asn; Acad. Psychother. Psychoanalysis; psychotherapy; clinical psychology; couples therapy; family therapy; marathon therapy; multiple therapy; theme centered workshops; group therapy. Publ: School adjustment of children; Psychotherapy for whom, *Voices: The Art & Sci. Psychother.*, winter 65; Treatment of the adolescent psychopath—theory and case report, *Psychother: Theory, Res. & Practice*, 8/67. Address: 140 S. Windsor Ave, Brightwaters, N.Y. 11718.

SCHWARTZ, DR. LESTER J(EROME), b. New York, N.Y., July 6, 27; m. 59; c. 2. PSYCHOLOGY. A.B., N.Y. Univ., 50; Queens Col.(N.Y.), 50-52; M.A., Columbia, 53, Ph.D., 59. Trainee psychol., Vet. Admin., 53-57; counsr., Bedford Pub. Schs., N.Y., 57-61, psychologist, 61-63; Scarsdale Pub. Schs., 63-67; ASST. PROF. COUNSR. ED., QUEENS COL.(N.Y.), 67-; lectr., 60-67. Instr., Teachers Col., Columbia, 61- U.S. Merchant Marine, 45-47, Lt.(jg). Psychol. Asn; Personnel & Guid. Asn. Vocational development; counseling. Publ: Co-auth, Group counseling as a method of modifying attitudes, *Sch. Counsr.*, 10/64; Counseling the average child, *Nat. Ed. Asn. J.*, 1/68. Address: 44 Stephen Dr, Pleasantville, N.Y. 10570.

SCHWARTZ, DR. LITA L(INZER), b. New York, N.Y., Jan. 14, 30; m. 50; c. 3. EDUCATIONAL PSYCHOLOGY. A.B., Vassar Col., 50; Ed.M., Temple, 56; Ph.D.(ed), Bryn Mawr Col., 64. Psychologist, Psychol. Serv. Center, Phila., Pa., 57-62; instr. psychol., PA. STATE, OGONTZ CAMPUS, 61-66, ASST. PROF. ED. PSYCHOL., 66- Psychol. Asn; Soc. Proj. Tech. Coun. Except. Children. Creativity, curiosity and motivation in students; education of exceptional children. Address: Dept. of Educational Psychology, Pennsylvania State University, Abington, Pa. 19001.

SCHWARTZ, DR. LLOYD, b. Philadelphia, Pa., July 4, 26; div; c. 2. PSYCHOLOGY. B.A. & M.S., Pa. State, 47; Ph.D.(psychol), American, 67. Intern psychol., Chicago State Hosp., Ill, 47-48; clin. psychologist, Crownsville State Hosp., Md., 48; instr., Buffalo, 48-51; CLIN. PSYCHOLOGIST, SPRING GROVE STATE HOSP., 51- Asst. prof., Maryland, Baltimore Campus, 68-; instr., Loyola Col.(Md), 68-; clin. psychologist, Baltimore City Alcohollic Clin, 68- Clinical and academic psychology. Publ: Co-auth, Experiment in the utilization of a clinical psychologist as a ward clinical administrator in a state psychiatric hospital, *Psychiat. Quart.*, 60. Address: 2028 Greenberry Rd, Baltimore, Md. 21209.

SCHWARTZ, SISTER M. CHRISTINA, I.H.M., b. Grand Rapids, Mich., July 23, 07. SOCIOLOGY. A.B., Marygrove Col., 30; Nat. Cath. Sch. Social Serv., 31-32; Ph.D., Catholic Univ., 38; summer, Uppsala, 64. Soc. worker, dept. pub. welfare, Detroit, Mich., 30-31; Montgomery County Soc. Serv. League, Md., 31-32; teacher, high sch., 34-35; instr. SOCIOL., MARYGROVE COL., 38-42, asst. prof., 42-44, PROF. & HEAD DEPT., 44- Del. Coun. Soc. Work Ed., 57- Participant, Inst. Soc. Work, Coun. Soc. Work Ed. & Childrens Bur., Seattle, Wash., 67. Nat. Asn. Soc. Workers. Religious vocations; the American Catholic family. Publ: Social contribution of the Catholic Church in France, 1815-1870. Address: Dept. of Sociology, Marygrove College, Detroit, Mich. 48221.

SCHWARTZ, PROF. MARVIN, b. Newark, N.J., Apr. 7, 29; m. 54; c. 3. EXPERIMENTAL PSYCHOLOGY. A.B., Lafayette Col., 51; M.S., Yale, 52, Ph.D. (psychol), 55. Asst. PSYCHOL., Yale, 51-55; res. assoc., Iowa, 58-60, res. asst. prof., 60-64, res. assoc. prof., 64; assoc. prof., GRAD. SCH., CINCINNATI, 64-66, PROF., 66- Nat. Inst. Ment. Health res. grant, 65-68. Med. Serv.C., U.S.N.R., 55-58, Res, 58-; Comdr. Fel. AAAS; Psychol. Asn. Physiological psychology; learning; electrophysiology. Address: 458 Hilltop Lane, Cincinnati, Ohio 45215.

SCHWARTZ, MAURICE HERBERT, b. Seattle, Wash, Dec. 11, 18; m. 41; c. 2. ECONOMICS, STATISTICS. A.B. Illinois, 41. Statistician, Fed. Reserve Bank, New York, 46-50; economist, div. res. & statist. bd. governors, Fed. Reserve Syst, 51-56, chief analyst, 56-60, chief statist. ops. planning, 60-62, asst. to dir, 62-63, dir. data processing, 63-66; V.PRES. INFO. PROCESSING, FIRST NAT. CITY BANK, 66- Consult, Orgn. Econ. Coop. Develop, 62; summer, Int. Monetary Fund, 59. U.S.A., 41-46, 1st Lt. Statist. Asn; Asn. Comput. Mach. Extending capacity for research and analysis in economic fields by electronic computers and improved statistical methods. Publ: The implications for banking of automation in business corporations, Princeton, 67; Electronic computer in economic research; Computers, information and business decisions, First Nat. City Bank, 11/67. Address: First National City Bank, 399 Park Ave, New York, N.Y. 10022.

SCHWARTZ, DR. MILDRED A(NNE), b. Toronto, Ont, Nov. 17, 32. SOCIOLOGY. B.A. Toronto, 54, M.A. 56; Ph.D.(sociol), Columbia, 65. Res. officer, Dept. Citizenship & Immigration, Can, 55-57; res. analyst, MacLaren Advert. Co, 58-62; asst. prof. SOCIOL, Alberta, 62-64; asst. prof. & res. assoc, Chicago, 64-66; ASSOC. PROF. ILLINOIS, CHICAGO, 66- Study dir, Nat. Opinion Res. Center, 64-66. Sociol. Asn; Polit. Sci. Asn; Can. Polit. Sci; Can. Sociol. & Anthropol. Asn. Sociology of politics, especially problems of national integration, the study of voting behavior and political parties. Publ: Public opinion and Canadian identity, Univ. California, 67; co-auth, Political parties and the Canadian social structure, Prentice-Hall, 67; auth, Trends in white attitudes toward Negroes, Nat. Opinion Res. Center, 67. Address: Dept. of Sociology, University of Illinois at Chicago Circle, Chicago, Ill. 60680.

SCHWARTZ, MILTON A(LLAN), b. Ukraina, May 18, 16; nat; m. 47; c. 4. ECONOMICS, STATISTICS. B.S. City Col. New York, 38. Suprvy. statistician, U.S. Dept. Army, 42-57; math. statistician, U.S. Dept. Air Force, 57; math. statistician, U.S. Post Off. Dept, 59-68; CHIEF STATIST. DIV, ODR/ACA, U.S. DEPT. ARMY, 68- Lab. asst, George Washington Univ, 50-51, assoc. in statistics, 51-66, assoc. prof. lectr, 67-; instr, U.S. Dept. Agr. Grad. Sch, 62- U.S.A., 43-45, Sgt. Statist. Asn. Sampling; analysis; training. Publ: Statistical sampling in Air Force auditing, Sci. Mgt; Practical improvements in audit testing, J. Inst. Internal Auditors; co-auth, Case studies, Audit Sampling in Action. Address: 13010 Flack St, Silver Spring, Md. 20906.

SCHWARTZ, PROF. MILTON M(YER), b. Elizabeth, N.J., Mar. 16, 18; m. 42; c. 2. PSYCHOLOGY. Ph.D. N.Y. Univ, 49. Instr. PSYCHOL, RUTGERS, 46-49, asst. prof, 49-55, assoc. prof, 56-60, PROF, 60- Psychol. Asn. Personality, theory and assessment. Publ: Relationship between projective test scoring categories and activity preferences; New techniques for studying the meaning of performance on the Rosenzweig P-F study. Address: Dept. of Psychology, Rutgers University, 88 College Ave, New Brunswick, N.J. 08903.

SCHWARTZ, DR. MORRIS S, b. Chicago, Ill, Dec. 20, 16; m. 51. SOCIOLOGY. B.S.S. City Col. New York, 40; M.A. Chicago, 46, fel. & Ph.D. 51. Res. sociologist ment. health, Wash. Sch. Psychiat, 47-55; consult, St. Elizabeth's Hosp, D.C., 55-56; dir. task force on patterns of patient care, Joint Cmn. Ment. Illness & Health, Mass, 56-59; PROF. HUMAN RELS, BRANDEIS, 59- Sociol. Asn. Mental health; social psychology and psychiatry; sociology of institutions; social psychology of humanization and dehumanization; characteristics of persons as human beings. Publ: Co-auth, The mental hospital, Basic Books, 54, Social perspectives on mental patient care, Columbia, 64 & Mental health: the concept, In: Encyclopedia of social science, (in press). Address: Dept. of Sociology, Brandeis University, Waltham, Mass. 02154.

SCHWARTZ, DR. NANCY LOU, b. Ft. Wayne, Ind, Mar. 26, 39. ECONOMICS. A.B. Oberlin Col, 60; Nat. Defense Ed. Act fel, Purdue, 60-63, M.S. 62, Ph.D.(econ), 64. ASST. PROF. ECON, CARNEGIE-MELLON UNIV, 64- Economic theory. Address: Dept. of Economics & Industrial Administration, Carnegie-Mellon University, Pittsburgh, Pa. 15213.

SCHWARTZ, NOEL, b. New York, N.Y., Dec. 16, 27; m. 57; c. 2. PSYCHOLOGY. B.S. Long Island, 50; M.A. Columbia, 51; Texas. Res. asst, Naval Res. Lab, 51-52; mgr. psychomet. div, U.S. TESTING CO, 52-59, DIR. RES, 59- U.S.N., 45-46. AAAS; Psychol. Asn; Mkt. Asn; Chem. Soc. Management of research and development activities in a broad spectrum of industrial, marketing and government problems. Address 1415 Park Ave, Hoboken, N.J. 07030.

SCHWARTZ, DR. RALPH J(EROME), Speech Path, Audiol, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

SCHWARTZ, PROF. RICHARD D(ERECKTOR), b. Newark, N.J., Apr. 26, 25; m. 46; c. 3. SOCIOLOGY. B.A. Yale, 47, Soc. Sci. Res. Coun. & Sterling fcls, 49-50, Ph.D.(sociol), 52. Res. fel. behav. sci, inst. human rels, Yale, 51-54, instr. sociol, 52-55, consult, study unit psychiat. & law, 53-55, asst. prof. sociol, 55-58, sociol. & law, 58-61; assoc. prof. sociol, NORTHWESTERN, 61-64, PROF. SOCIOL, 64-, SOCIOL. & LAW, 66- Co-dir, inst. admin. law of torts, Soc. Sci. Res. Coun, summer 61; dir. coun. intersocietal studies & co-dir. prog. law & soc. sci, Northwestern. Consult, Group Adv. Psychiat, 54; Internal Revenue Serv, 60; Nat. Coun. Juvenile Court Judges, 61- Ed, Law & Soc. Rev, 65- Mem. adv. bd, Center Studies Criminal Justice, 66; World Peace Through Law Center. U.S.N.R, 43-45. Sociol. Asn; Anthropol. Asn; Law & Society Asn; Soc. Study Social Probs. Sociology of law; comparative sociology; social psychology. Publ: Co-auth, Behavior theory and social science; Criminal law; co-auth, Unobtrusive measures, Rand McNally, 66. Address: 1818 Sheridan Rd, Evanston, Ill. 60201.

SCHWARTZ, DR. ROBERT J(AY), Econ, see 10th ed, Soc. & Behav. Vols.

SCHWARTZ, DR. SHALOM H, b. Hempstead, N.Y., Jan. 1, 36; m. 58; c. 3. SOCIAL PSYCHOLOGY, SOCIOLOGY. A.B. Columbia, 57, M.A. 62; B.H.L., Jewish Theol. Sem. Am, 58, M.H.L., 62; Nat. Insts. Health & Nat. Sci. Found. fcls, Michigan, 64-67, Ph.D.(soc. psychol), 67. ASST. PROF. SOCIOL,

WISCONSIN, 67-, univ. res. cmt. grant, 67-68. Sociol. Asn; Psychol. Asn. Social interaction and control; socialization; personality and social structure. Address: Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.

SCHWARTZ, DR. SOL, b. New York, N.Y., Aug. 26, 24; m. 55; c. 1. PSYCHOLOGY. B.S. City Col. New York, 52, M.A. 55; fel, Rutgers, 54-55; Ph.D.(psychol), Michigan, 61. Fel. psychol, City Col. New York, 52-55; res. asst, Michigan, 55-58, fel, 58-60; ASST. PROF. Oakland, 61-64; psychiat, inst. develop. studies, N.Y. Med. Col, 64-66; ED, CITY COL. NEW YORK, 66- Grant, 66-69. U.S.A., 43-46, Sgt. AAAS; Psychol. Asn. Cognitive development in children; psycholinguistics; problem solving and thinking; comparative psychoneurology underlying behavior. Publ: Co-auth, Eight introductory texts: marginal differentiations, Contemporary Psychol, 62; auth, Effect of neo-natal cortical lesions and early environmental factors on adult rat behavior, J. Comp. & Physiol. Psychol, 2/64; sr. auth, Language development in two groups of socially disadvantaged young children, Psychol. Reports, 8/67. Address: School of Education, City College of New York, New York, N.Y. 10031.

SCHWARTZ, DR. STANLEY S(AUL), b. New York, N.Y., Dec. 10, 20; m. 47; c. 2. PSYCHOLOGY. B.A. Wash. Sq. Col, N.Y. Univ, 40, M.A. N.Y. Univ, 41, Ph.D. 50. CLIN. PSYCHOLOGIST, VET. ADMIN. HOSP, NORTHPORT, 46- U.S.A., 42-46, 51-52, Capt. Fel. Psychol. Asn. Evaluation of results of psychotherapy and drug administration in the treatment of schizophrenic patients; individual and group psychotherapy. Publ: Co-auth, Evaluation of intravenous and oral metrazol in hospitalized arteriosclerotic psychiatric patients, Geriatrics; Patterns of verbal group participation in the drug treatment of chronic schizophrenic patients, Int. J. Group Psychother. Address: 19 Merrill Place, Huntington, N.Y. 11743.

SCHWARTZBAUM, PROF. JEROME SEYMOUR, b. New York, N.Y., Oct. 9, 28; m. 54; c. 2. PSYCHOLOGY. B.A. N.Y. Univ, 50; U.S. Pub. Health Serv. fel, Stanford, 54-56, M.A. 55, Ph.D. 58. Psychophysiology, U.S. Naval Radiol. Defense Lab, 51-52; res. assoc. neuropsychol, Inst. Living, 56-59; instr. PSYCHOL, Harvard, 58-59; asst. prof, Wisconsin, Madison, 59-62, assoc. prof, 62-66, PROF, 66-67; ROCHESTER, 67- Head psychophysiol. unit, Wis. Regional Primate Center, 64-67; Nat. Insts. Health spec. fel, 65. U.S.A., 52-54. AAAS; Psychol. Asn; Psychonomic Soc. Neural mechanisms of behavior. Publ: Osmotic factor in the regulation of food intake in the rat; Changes in reinforcing properties of stimuli following ablation of the amygdaloid; Some characteristics of amygdaloid hyperphagia in monkeys. Address: Dept. of Psychology, University of Rochester, Rochester, N.Y. 14627.

SCHWARTZBERG, DR. JOSEPH E, b. Brooklyn, N.Y., Feb. 5, 28. ECONOMIC & CULTURAL GEOGRAPHY. B.A. Brooklyn Col, 49; M.A. Maryland, 51; Paris, 54-55; Delhi, 58-59; Soc. Sci. Res. Coun. fcls, Wisconsin, 58-60, Ph.D. 60. Geogr. map intel. br, U.S. Army Map Serv, 49-51; asst. prof. geog. & S.Asia regional studies, Pennsylvania, 60-65; ASSOC. PROF. GEOG, MINNESOTA, MINNEAPOLIS, 65- Sr. res. fel, Am. Inst. Indian Studies, 62-63; Nat. Sci. Found. instr. res. grant, 64. Consult, Indian census, Off. Registr. Gen, 60-62; dir. training, Ceylon Proj, Peace Corps, 61-66. Ed. & assoc. dir, Hist. Atlas S.Asia Proj, 65- U.S.A., 51-53, 1st Lt. Asn. Am. Geog; Am. Geog. Soc; Regional Sci. Asn; Asn. Asian Studies; Oriental Soc; Pop. Asn. Historic, economic and cultural geography of South and Southeast Asia, especially India; regional variations over the world in levels of economic development; political geography. Publ: Three approaches to the mapping of economic development in India, Annals Asn. Am. Geog, 12/62; Agricultural labor in India: a regional analysis with particular reference to population growth, Econ. Develop. & Cultural Change, 7/63; The distribution of selected castes in the North Indian Plain, Geog. Rev, 10/65. Address: Dept. of Geography, University of Minnesota, Minneapolis, Minn. 55455.

SCHWARTZMAN, DR. ALEX E(LIE), b. Montreal, Que, Jan. 20, 28; m. 61; c. 2. PSYCHOLOGY. B.A. McGill, 49, M.A. 52, Ph.D.(psychol), 60. Res. Assoc. psychol, British Columbia, 54-56; chief psychologist, State Ment. Health Res. Inst, Wash, 56-59; chief psychologist, student ment. health serv, McGill, 59-65, lectr. PSYCHOL, DEPTS. PSYCHIAT. & PSYCHOL, 62-65, ASST. PROF, 65-; CHIEF PSYCHOLOGIST, ALLAN MEM. INST, ROYAL VICTORIA HOSP, 65- Lectr, sch. nursing, Washington (Seattle), 57-59; Can. Dept. Nat. Health & Welfare res. grant, 62-64; sr. investr, Med. Res. Coun. Can. grant, 67- Consult, Queen Elizabeth Hosp, 62-65; student ment. health serv, McGill, 65- Am. Psychol. Asn; Can. Psychol. Asn. Factors associated with student achievement; deficit in schizophrenia; electroconvulsive therapy and memory function. Publ: Co-auth, Intellectual loss in schizophrenia: Part I, 16: 1-10 & Part II, 16: 161-168, Can. J. Psychol; co-auth, Intensive electroconvulsive therapy: a follow-up study, Can. Psychiat. Asn. J, 12: 217-218. Address: Dept. of Psychology, McGill University, Montreal, Que, Can.

SCHWARTZMAN, PROF. DAVID, b. Montreal, Que, Apr. 22, 24; m. 51; c. 3. ECONOMICS. B.A. McGill, 45; Ph.D. California, 53. Lectr. econ. & statist, McGill, 48-51; economist, Dominion Bur. Statist, 51-53; United States, Can, 53-54; instr. econ, Columbia, 54-58; asst. prof. econ. & statist, N.Y. Univ, 58-60; assoc. prof. ECON, NEW SCH. SOC. RES, 60-64, PROF, 64-, CHMN. DEPT, 66- Assoc. Joel Dean Assocs, 56; mem. staff, Nat. Bur. Econ. Res, 63- Econ. Asn. Industrial organization; price theory; labor economics; economic statistics; antitrust policy; retail trade in the United States, 1929-1963. Publ: Monopoly and wages, Can. J. Econ. & Polit. Sci; Effect of monopoly on price, J. Polit. Econ; Methodology of theory of returns to scale, Oxford Econ. Papers. Address: 285 Central Park W, New York, N.Y. 10024.

SCHWARZ, DR. GABRIEL A(LEXANDER), Med, see 11th ed, Phys. & Biol. Vols.

SCHWARZ, DR. HENRY G(UENTER), b. Berlin, Germany, Dec. 14, 28; m. 54. POLITICAL SCIENCE. B.A. Wisconsin, 54, M.A. 58, Ph.D.(polit. sci), 62; Inter-Univ. fel, Taipei, Taiwan, 61-62. Asst. prof. polit. sci, Wisconsin, Racine, 62-63; Marquette, 63-64; Fulbright vis. prof. Chinese studies, Philippines, 64-65; ASST. PROF. POLIT. SCI, WASHINGTON (SEATTLE),

- 65- Mem. Seattle cmt, Coun. For. Reels. U.S.A. 54-56. Polit. Sci. Asn; Asn. Asian Studies. Process of modernization within the political institutional framework of communist China. Publ: Leadership patterns in China's frontier regions, U.S. Dept. State External Res. Staff, 64; China: three facets of a giant, Manaktalas, 66; The great proletarian cultural revolution, Orbis, fall 66. Address: Far Eastern & Russian Institute, University of Washington, Seattle, Wash. 98105.
- SCHWARZ, DR. PAUL A(DOLPH), b. Vienna, Austria, May 31, 30; nat; m. 59; c. 1. PSYCHOLOGY. B.S. Pittsburgh, 52, M.A. 54, Ph.D.(psychol), 57. From sr. res. scientist to DIR. INT. DIV, AM. INST. RES. 52- Psychol. Asn; Statist. Asn; Psychomet. Soc. Personnel psychology; psychological measurement; statistics. Publ: Co-auth, Scoring problem-solving test items by measuring information & Some practical and theoretical problems in situational testing, Ed. & Psychol. Measurement; Development of interview and performance tests for the selection of wage board supervisors. Address: 135 N. Bellefield Ave, Pittsburgh, Pa. 15213.
- SCHWARZ, DR. WOLFGANG, b. Stuttgart, Germany, Oct. 30, 26; nat; m. 49; c. 6. PSYCHOLOGY. A.B. N.Y. Univ. 48, A.M. 49, Ph.D.(psychol), 56. Intern psychol, Bellevue Med. Center, N.Y., 50-51; chief psychologist, Rip Van Winkle Med. Found, Hudson, 51-53; dir. psychol. serv, Hillcrest Med. Center, Tulsa, Okla. 53-56; dir. psychol. clin. Hollywood Presby. Hosp. 56-58; consult, ment. health, D.C. Dept. Pub. Health, 59-61; assoc. prof. lectr. psychol. George Washington, 62-63; consult. psychol, Nat. Insts. Health, 62-64; dir. psychol. res, Mass. Dept. Ment. Health, 65-68; CLIN. PSYCHOLOGIST, 68- Part-time private practice, 53-68; Nat. Inst. Ment. Health grant, 60-64; vis. asst, lab. community psychiat, sch. med, Harvard, 67-68. Consult, Bishop, Episcopal Diocese, Okla. 53-56; Ambler Wells Med. Group, Cedars of Lebanon Hosp. & Reiss Davis Clin, Calif, 56-58. U.S.N.R., 45-46. Psychol. Asn. Differential test diagnosis; psychotherapy; mental health consultation; history and biography of science and medicine. Publ: Survey of the mental health facilities in the District of Columbia. Address: Deacon Haynes Rd, Concord, Mass. 01742.
- SCHWARZBART, DR. GIDEON, Biostatist, see Suppl. V to 11th ed, Phys. & Biol. Vols.
- SCHWARZBEK, DR. W(ILLIAM) C, b. Ney, Ohio, Feb. 14, 07; m. 32; c. 2. PSYCHOLOGY. A.B. Wittenberg, 29; M.A. Ohio State, 31, Ph.D.(psychol), 35. Asst. psychol, Ohio State, 30-36; asst. prof, Wittenberg, 36-42; consult. personnel res, Gen. Elec. Co. 46-60, learning res, 60-64; dir. res. & develop, N.C. Adv. Sch, 64-67; ASSOC. PROF. ED. & PSYCHOL, LENOIR-RHYNE COL, 67- U.S.N.R., 42-46, Lt. Comdr. AAAS; Psychol. Asn. Perception; memory; learning; educational psychology and technology. Address: Lenoir-Rhyne College, Box 545, Hickory, N.C. 28601.
- SCHWARZENBERG, DR. FRANCIS, b. Prague, Czech, Mar. 24, 13; nat; m. 44; c. 3. COMPARATIVE GOVERNMENT, INTERNATIONAL RELATIONS. Polit. Sci. Sch, Prague, Czech, 34-36; Dr. jur. utr, Charles Univ, Prague, 38; Ecole Libre des Sci. Polit, Paris, 39-45. With Civil Serv, Czech, 38-40; For. Serv, 45-48; ASSOC. PROF. POLIT. SCI, LOYOLA (ILL), 49- Address: Dept. of Political Science, Loyola University, 820 N. Michigan Ave, Chicago, Ill. 60611.
- SCHWARZSCHILD, PROF. STUART, b. Richmond, Va, Apr. 11, 18; m. 54; c. 2. ECONOMICS, INSURANCE. B.S. Richmond, 38; Huebner fel, Pennsylvania, 55-58, Ph.D.(econ), 60. V.pres. & treas, C.S. Schwarzschild & Co. 46-48; assoc. prof. INS, GA. STATE COL, 58-66, PROF, 66- Vis. prof. case method prog, Harvard Bus. Sch, 63; panel mem, Assoc. Appraisers of Earning Capacity, 67- U.S.A. 40-46, 48-53, Lt. Col. Econ. Asn; Statist. Asn; Finance Asn; Risk & Ins. Asn. Life insurance: rate of return to buyers, consumerism approach; value of human life cycle. Publ: Rights of creditors in life insurance, 62 & co-auth, Principles of life insurance, 64, Irwin; auth, A model to determine the rate of return on investment in life insurance, J. Risk & Ins, 67. Address: Dept. of Insurance, Georgia State College, 33 Gilmer St. S.E. Atlanta, Ga. 30303.
- SCHWARZWELLER, DR. HARRY KARL, b. Brooklyn, N.Y., Oct. 27, 29; m. 58; c. 3. RURAL SOCIOLOGY. B.S. Cornell, 51, M.S. 55, fel, 56-57, Ph.D. (rural sociol), 58; Fulbright fel, Canterbury Agr. Col, N.Z. 55-56. Asst. prof. rural sociol, Kentucky, 58-63, assoc. prof. SOCIOL, 63-68; PROF, WEST VIRGINIA, 68- U.S.M.C. 52-54. Sociol. Asn; Rural Sociol. Soc. Values and attitudes as related to career decision making; problems of socio-economic adjustments in low income rural areas; personal adjustment and social stability of eastern Kentucky migrants in Ohio. Publ: Auth, Value orientations in educational and occupational choice, Education as a cultural bridge & co-auth, Kentucky mountain migration: a variation on a theme by Leplay, 64, Rural Sociol. Address: Dept. of Sociology, West Virginia University, Morgantown, W.Va. 26506.
- SCHWEBEL, DEAN MILTON, b. Troy, N.Y., May 11, 14; m. 39; c. 2. PSYCHOLOGY. A.B. Union Col, 34; M.A. State Univ. N.Y. Albany, 36; Ph.D. (counseling psychol), Columbia, 49; fel, Postgrad. Center Ment. Health, 54-57, cert, 58. Asst. instr. ed, U.S. Army Univ, France, 45; psychologist, test & advisement center, City Col. New York, 46; dir. guid, Mohawk Col, 46-47, asst. prof. psychol. & chmn. dept, 47-48; asst. prof, Champlain Col, 48-49; from asst. prof. to assoc. prof, N.Y. Univ, 49-58, prof. ed, 58-67, chmn. dept. guid. & personnel admin, 64-66, assoc. dean sch. ed, 65-67; PROF. ED. PSYCHOL. & DEAN GRAD. SCH. ED, RUTGERS, 67- Psychologist & lectr, Postgrad. Center Ment. Health, 58-61; World Fedn. Ment. Health grant, 61-; summers, vis. prof, Southern California; Hawaii, 65; lectr. & consult, various cols. & univs. Consult, Psychotherapist, 55-; Nat. Inst. Ment. Health, 63-65; Union Exp. Higher Ed, 65-67. Mem. exec. bd. Nat. Cmt. Employ. Youth, Nat. Child Labor Cmt, 67- Dipl. Am. Bd. Exam. Prtnl. Psychol, 51. U.S.A. 43-46, Sgt. AAAS; fel. Psychol. Asn; Orthopsychiat. Asn; Soc. Psychol. Study Social Issues; Personnel & Guid. Asn; Ed. Res. Asn. Educability. Publ: Auth. & ed, Behavioral science and human survival, Behav. Sci. Press, 65; auth, Who can be educated, Grove, 68; Resistance to learning, N.Y. Soc. Early Childhood Ed. Monogr, 63. Address: 86 Riverside Dr, Rockville Center, N.Y. 11570.
- SCHWEBS, DR. DIETER H(ORST), Elec, Econ, see 11th ed, Phys. & Biol. Vols
- SCHWEIKER, DR. ROBERT F, b. Williamsport, Pa, Sept. 20, 18; m. 51; c. 2. PSYCHOLOGY, STATISTICS. B.S. Ohio State, 47; Ed.M. Harvard, 49, Ed.D. (measurement, exp. methods), 54. Sr. res. asst, Ed. Res. Corp, 52-54, dir, 55-59; res. assoc, Am. Inst. Res, 54-55; instr, Tufts, 55-59; prof. psychol. & math, Goddard Col, 59-63; Columbia Univ. vis. assoc. prof. psychol, Kabul, Afghanistan, 63-65; vis. lectr. ed. res, Massachusetts, Amherst, 65-68; ASSOC. PROF. MEASUREMENT, ONT. INST. STUDIES IN ED. 68- Psychol. Asn; Ed. Res. Asn; Nat. Coun. Measurement in Ed. Educational research, measurement and statistics. Publ: Individual space models of certain statistics. Address: 91 Van Dusen Blvd, Toronto, Ont, Can.
- SCHWEITZER, PROF. ARTHUR, b. Pirmasens, Germany, Nov. 27, 05; nat; m. 37; c. 2. ECONOMICS. Frankfurt, 26-28; Fircroft Col.(Eng), 28-29; Berlin, 32-33; Dr.rer.pol, Basle, 36. Ed, Schweizerisches Archiv für Wirtschaft und Politik, 36-38; Rockefeller fel, 38-39; instr. econ. & sociol, Wyoming, 39-42, asst. prof, 42-45, assoc. prof, 45-47; ECON, INDIANA, 47-51, PROF, 51- Lectr, univ. exten, Basle, 37-38; asst. prof, Chicago, 45-46; lectr, U.S. For. Area & Lang. Prog, Wyoming; Ford Found. fel, 58-59; Fulbright lectr, Free Univ. Berlin, 61-62; Rockefeller Found. res. fel, 66-67. Econ. Asn; Asn. Comp. Econ.(v.pres, 63, pres, 64). Comparative economic systems; Nazi economy; theory of social economics based upon work of Max Weber. Publ: Big business in the Third Reich, Indiana Univ, 64; Mittelstand und Nationalsozialismus, Enke Verlag, Stuttgart, 68; Fixing of cost prices, an experiment of World War II, J. Bus. Address: Dept. of Economics, Indiana University, Bloomington, Ind. 47401.
- SCHWEITZER, PROF. GEORGE K(EENE), Inorg. Chem, Philos. of Sci, see 11th ed, Phys. & Biol. Vols.
- SCHWEITZER, PROF. HAROLD C(LAYTON), JR, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 65.
- SCHWEITZER, PAUL ROBERT, b. Budapest, Hungary, Sept. 17, 30; nat. Can; m. 55; c. 1. ECONOMICS. B.A. Sir Geo. Williams Univ, 57; M.A. McGill, 60; Massey Found. fel, American Univ, 60-61. Exec. trainee, Can. Bank Commerce, 56-58; res. economist, econ. & res. br, Can. Dept. Labour, 58-60, manpower specialist, 61-65; ECONOMIST, FED. RESERVE BD, 65- Lectr, Howard, 64- Consult, Groseclose Williams & Co, 61. Am. Econ. Asn; Can. Econ. Asn; Royal Econ. Soc. Consumer credit; auto credit; manpower analysis; manpower effects of technological change. Publ: Co-auth, Early post-graduate years in the technical and scientific professions in Canada; Usher and Schumpeter on invention, innovation and technological change: a comment, Quart. J. Econ; Technological changes and skilled manpower, Can. Dept. Labour Report. Address: 4309 Van Ness Ave. N.W, Washington, D.C. 20016.
- SCHWETZER, DR. THOMAS T(ITUS), b. Budapest, Hungary, May 29, 24; Can. citizen; m. 55; c. 2. ECONOMICS, STATISTICS. Ph.D.(econ), Univ. Tech. & Econ, Budapest, 48. Economist, div. res, Ont. Dept. Lands & Forests, 53-55; mortgage dept, Great West Life Assurance Co, 55-58; Brit. Am. Oil Co, 58-64; SR. OFFICER, ECON. COUN. CAN, 64- Econ. Asn; Economet. Soc. Consumer expenditures, productivity and causes of economic growth; medium and long-term projections. Publ: An economic survey of Lake Erie fisheries, Great Lakes Fisheries Res. Cmt, 54; co-auth, Planting depths and methods experiments, Res. Report 26, 54 & Inventory of nursery stock, Res. Report 33, 55, Div. Res, Ont. Dept. Lands & Forests. Address: 319 Island Park Dr, Ottawa 3, Ont, Can.
- SCHWENDEMAN, PROF. JOSEPH R(AYMOND), b. Waterford, Ohio, May 11, 97; m. 21; c. 6. GEOGRAPHY. B.S. Ohio, 26; M.A. Clark, 27, fel, 39-40, Ph.D.(geog), 41; Minnesota, 27-28. Prof. GEOG. & head dept, Moorhead State Teachers Col.(Minn), 28-44; Kentucky, 44-67; DISTINGUISHED PROF. GEOG, CONSULT, & CO-DIR, GEOG. STUDIES & RES. CENTER, EASTERN KENTUCKY, 67- Civilian instr, U.S.A.A.F, 43-44. AAAS; Asn. Am. Geog. (distinguished serv. award, 67); fel. Nat. Coun. Geog. Ed; Geog. Soc. Publ: Geography of Kentucky, Harlow, 58, 2nd ed, 63; ed, Directory of college geography in the United States; Cold wave patterns for Lexington Kentucky and Orlando Florida, Ky. Acad. Sci, 26: 38-40. Address: Geographical Studies & Research Center, Eastern Kentucky University, Richmond, Ky. 40475.
- SCHWENDEMAN, PROF. JOSEPH R(AYMOND), JR, b. Fargo, N.Dak, Dec. 13, 30; m. 52; c. 3. GEOGRAPHY. B.S. Kentucky, 56, fel, 56-57, M.S. 57; fel, Indiana, 63-64, Ph.D.(geog), 67. Asst. prof. geog, North Dakota, 62-64, assoc. prof. & chmn. dept, 65-66; PROF. GEOG. & CHMN. DEPT, EASTERN KENTUCKY, 66-, CO-DIR. GEOG. RES. GEOG. STUDIES & RES. CENTER, 67- Nat. Sci. Found. faculty res. grants, 63 & 65; participant, Nat. Sci. Found. Water Resources Inst. 66. U.S.N. 51-55, 58-62, Res. 62-, Comdr. Asn. Am. Geog. Man's adaptation to his physical environment; transportation geography; aviation. Publ: Forecasting the spring thaw river levels of the Red River of the North, United States, Univ. Michigan, 67; co-auth, Directory of College Geography of the United States, Geog. Studies & Res. Center, Eastern Kentucky Univ, Vol. XVIII, No. 1 & 2, 67; auth, Probability temperature analysis and depiction, Memorandum Folio, S.E. Asn. Am. Geog, Vol. XVII, 65. Address: Dept. of Geography, Eastern Kentucky University, Richmond, Ky. 40475.
- SCHWERIN, DR. KARL H, b. Bertha, Minn, Feb. 21, 36; m. 58; c. 1. ANTHROPOLOGY. B.A. California, Berkeley, 58; summers, Coro Found, Los Angeles, 58 & 59; Hull Found. fel. & Ph.D.(anthrop), California, Los Angeles, 65. Asst. int. affairs, California, Los Angeles, 59-60, ANTHROP, 60-63; asst. prof, NEW MEXICO, 63-68, ASSOC. PROF, 68- Summers, instr, Los Angeles State Col, 63, Fulbright-Hays Area Center faculty fel, 67. Consult, spec. ops. res. off, American Univ, 64; Peace Corps, Univ. New Mexico Training Center, 64-66. Fel. AAAS; fel. Anthropol. Asn; Soc. Ethnol. Latin America; cultural evolution; comparative agriculture and origin of cultivated plants; culture change; industrial level of evolutionary development; slavery; primitive religion. Publ: Oil and steel: processes of Karinya culture change in response to industrial development, Univ. California, 66; Ceremonies con-

cerned with hail and rain in Tlaxcala, Mexico, J. Am. Folklore, 63; Family among the Karinya of eastern Venezuela, XXXV Congreso Internacional de Americanistas, 64. Address: Dept. of Anthropology, University of New Mexico, Albuquerque, N.Mex. 87106.

SCHWESINGER, DR. GLADYS C(LOTILDE), Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

SCHWIEGER, PROF. ALBERT J(AMES), b. Red Wing, Minn, Nov. 28, 06. ECONOMICS. A.B. Hamline, 28; scholar. & fel. Clark, 28-29, A.M., 29, univ. fel, 30-32; Austin fel, Harvard, 32-33, Ph.D., 36. Instr. econ. sch. commerce, North Dakota, 29-30; econ. & govt, WORCESTER POLYTECH, 30-36, asst. prof, 36-37, PROF. ECON. GOVT. & BUS. & HEAD DEPT, 37-, DIR. SCH. INDUST. MGT, 50- Res. fel. human rels, bus. sch, Harvard, 47-48. Mem. For. Policy Asn-World Affairs Center. U.S.N., 43-46, Lt. Comdr. Soc. Adv. Mgt; Soc. Eng. Ed. Recent economic history; the consolidation movement in business. Address: Dept. of Economics, Worcester Polytechnic Institute, Worcester, Mass. 01609.

SCHWIER, DR. JEROME F, Econ, Statist, see 10th ed, Soc. & Behav. Vols.

SCHWIRIAN, DR. KENT P, b. Pittsburgh, Pa. Oct. 17, 37; m. 59; c. 1. SOCIOLOGY. B.S. Illinois State, 59; M.A. Iowa, 60, Ph.D.(sociol), 62. Asst. prof. SOCIOL. OHIO STATE, 62-66, ASSOC. PROF, 66- Sociol. Asn; Pop. Asn. Am; Statist. Asn. Sociological, demographic and ecological aspects of urbanization. Publ: Co-auth, Banking functions as an index of inner-city relations, Regional Sci, summer 62, An axiomatic theory of urbanization, Am. Sociol. Rev, 12/62 & Ecological position, urban central place function and community population growth, Am.J. Sociol, 7/67. Address: Dept. of Sociology, Ohio State University, Columbus, Ohio 43210.

SCHWITTER, DR. JOSEPH P, b. Benken, Switz, Sept. 25, 15; U.S. citizen. MANAGEMENT. B.L.A. State Col. Obwalden, 36; Zurich, 39-40; Ph.D. (econ), Fribourg, 49. Instr. econ. & bus. admin, San Diego, 55-57; PROCESOR MGT, KENT STATE, 57- Ford Found fel, inst. basic math, Univs. Pennsylvania & Pittsburgh, 61-62; vis. prof, Oregon, 66-67; summers, fel. indust. eng, Purdue, 58, Ford Found workshop soc. environ. bus, California, Berkeley, 63. Acad. Mgt; Econ. Asn. Comparative organizational analysis, especially relationships of technology and worker behavior. Publ: Computer effects upon managerial jobs, Acad. Mgt. J, 9/65; co-auth, Engineer-manager conflicts, Adv. Mgt. J, 10/66; auth, Entscheidungsvorgang und Arbeitsgestaltung, Die Unternehmung, 12/66. Address: Dept. of Management, Kent State University, Kent, Ohio 44240.

SCHWITZGEBEL, DR. RALPH K, b. Canto, Ohio, Mar. 21, 34; m. 63. PSYCHOLOGY. LAW. B.S. Ohio State, 56; Ed.M., 60, Ed.D.(psychol), 62. Instr. psychol, Lesley Col, 58-60; asst. psychologist, Dept. psychiat, Mass. Gen. Hosp, 62-64; dir. res. LAW-MED. INST, BOSTON UNIV, 65-66, ASST. PROF, 66-; ASSOC. IN ED, GRAD. SCH. ED, HARVARD, 65-, LECTR. SOC. RELS, DEPT. SOC. RELS, 68- Training fel. community ment. health, sch. pub. health, Harvard, 62-63, lib. arts fel. law & soc. rels, law sch, 67-68. Consult, children's unit, Mass. Ment. Health Center, 59-60; ed. tech. sect, Off. Econ. Opportunity, 65-66. Asst. ed, Int. J. Psychiat, 63-65. Psychol. Asn; Inst. Elec. & Electronics Eng; Soc. Biol. Psychiat; Soc. Psychol. Study Social Issues. Application of learning theory to social problems; behavioral electronics; social effects of legal sanctions. Address: 31 Oxford Circle, Belmont, Mass. 02178.

SCHWITZGEBEL, DR. ROBERT L, b. Canton, Ohio, Mar. 21, 34. PSYCHOLOGY. B.A. Heidelberg Col, 56; Danforth fel, Yale, 57; Natal, 58; Ed.D.(psychol), Harvard, 64; Ph.D.(psychol), Brandeis, 64. ASST. PROF. PSYCHOL, CALIFORNIA, LOS ANGELES, 64- Consult, Col. Entrance Exam. Bd, 66-Psychol. Asn. Operant and classical conditioning; developmental psychology; learning theory and behavior disorders. Publ: Operant conditioning of delinquents on social behaviors, J. Abnorm. Psychol, 67. Address: Dept. of Psychology, University of California, Los Angeles, Calif. 90024.

SCHYDLOWSKY, DR. DANIEL M(oses), b. Lima, Peru, Apr. 20, 40. ECONOMICS. B.S. M.S. & LL.B. Peru, 61; Colorado, summer, 62; M.A. Harvard, 64, Ph.D.(econ), 66. Mgt. asst, La Fabril S.A. Peru, 56-62; teaching fel. econ, Harvard, 63-65; consult. econ. policy, Cent. Reserve Bank of Peru, 65-66; instr. ECON. HARVARD, 66-67, ASST. PROF, 67-, consult. econ. policy, develop. adv. serv, 66-67. Res. fel, center int. affairs, Harvard, 67, mem. faculty, Kennedy Sch. Govt, 67. Consult, Int. Bank Recon-struct. & Develop, 66-68; summer consult, Cent. Reserve Bank of Peru, 67. Qm.C, Peruvian Army. Econ. Asn. Policy for economic development; analytical framework for decision making on industrialization; monetary policy; regional integration. Publ: Co-auth, Monopoly under general equilibrium, Quart. J. Econ, 11/56; auth, Analytical basis of a national policy for regional economic integration in Latin America, J. Common Mkt. Studies, 12/67; co-auth, Effective tariffs, the domestic cost of foreign exchange and the equilibrium exchange rate, J. Polit. Econ, 7/68. Address: Dept. of Economics, Harvard University, Cambridge, Mass. 02138.

SCIGLIANO, PROF. ROBERT, b. Boston, Mass, Feb. 15, 25; m. 49; c. 4. POLITICAL SCIENCE. B.A. California, Los Angeles, 50, M.A., 52; Walgreen scholar, Chicago, 51-52, Hillman fel, 52-53, Ph.D.(polit. sci), 57. Mem. staff disaster res, Nat. Opinion Res. Center, 51-52; instr. POLIT. SCI. Mich. State, 53-56, asst. prof, 56-59, assoc. prof, 59-63, PROF, 63-66; STATE UNIV. N.Y. BUFFALO, 66- Rockefeller res. grant, Vietnam, 61-62. U.S.N., 42-46. Polit. Sci. Asn.(Owen award, 58). American political process, especially legislative, executive and judicial. Publ: The courts: a reader in the judicial process; South Vietnam: nation under stress, Houghton, 63; Supreme Court and Presidency, Macmillan, 68. Address: Dept. of Political Science, State University of New York, Buffalo, N.Y. 14214.

SCITOVSKY, PROF. T(IBOR), b. Budapest, Hungary, Nov. 3, 10. ECONOMICS. J.D. Budapest, 32; Paris, 34; M.Sc. London, 38. Res. economist, London & Cambridge Econ. Serv, 38-39; economist, U.S. Dept. Commerce, D.C., 46; PROF. ECON, Stanford, 46-57; economist, Berkeley, 57-68; YALE, 68- Leon traveling fel, 39-40; Guggenheim fel, 49. U.S.A., 43-45. Am. Econ.

Asn; Am. Acad. Arts & Sci; fel. Royal Econ. Soc. International trade theory. Publ: Mobilizing resources for war; Economic theory and Western European integration; Papers on welfare and growth, Allen & Unwin. Address: Dept. of Economics, Yale University, New Haven, Conn. 06520.

SCOBIE, DR. JAMES R, Latin Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SCODEL, PROF. ALVIN, Clin. Psychol, see 10th ed, Soc. & Behav. Vols, deceased 64.

SCOFIELD, DR. CARLETON F(ORMAN), b. Trenton, N.J., Aug. 8, 00. PSYCHOLOGY. A.B. Wesleyan, 21; Cornell, 22-23; Ph.D.(psychol), Yale, 28. Asst. psychol, Wesleyan, 23-24; instr, Yale, 24-28, vis. fel, 37-38; asst. prof, Buffalo, 28-35, assoc. prof, 35-46, prof, 46-56, head dept, 46-54; cultural attaché, U.S. Info. Serv, Pakistan, 56-57; interim prof, Florida, 58-59; assoc. dir, center appl. soc. res, N.Y. Univ, 59-60; v.chancellor acad. affairs, MISSOURI, KANSAS CITY, 60-61, acting chancellor, 61-62, chancellor, 62-65, EMER. CHANCELLOR, COORDINATOR INT. PROG. & PROF. PSYCHOL, 65-. Psychologist, Off. Strategic Serv, 42-45; dir. res. psychol. warfare div, HumRRO, 52-56. U.S.A., 18. AAAS; fel. Psychol. Asn. Social psychology; communications. Address: University of Missouri, Kansas City, Mo. 64110.

SCOFIELD, DR. EDWARD H(AROLD), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.

SCOFIELD, WILLIAM H, b. U.S. Nov. 7, 15; m. 43; c. 1. AGRICULTURAL ECONOMICS. B.S. Cornell, 36; M.S. Illinois, 41. Agr. economist U.S. DEPT. AGR, 39-48, in charge land values unit, 48-66, RES. LEADER AGR. ORGN. & STRUCT, ECON. RES. SERV, 66- U.S.A., 42-45. Agr. Econ. Asn. Farmland values and valuation; land tenure; economic organization of agriculture. Publ: Farm real estate market developments: The farm estate situation, Agribusiness. Address: Economic Research Service, U.S. Dept. of Agriculture, Washington, D.C. 20250.

SCOLL, E(MANUEL) E(DWARD), Econ, see 10th ed, Soc. & Behav. Vols.

SCOLLON, DR. ROBERT W(ILLIAM), b. Barnesboro, Pa, Jan. 9, 26; m. 56; c. 4. PSYCHOLOGY. B.A. Pa. State, 48, M.S., 49, fel, 52-54, Ph.D. 56. Clin. intern psychol, Vet. Admin, 49-52; asst, instr. film res. prog, Pa. State, 52-54; sr. staff psychologist, Ohio State Reformatory, 54-56; acting chief psychologist, Stark County Guid. Center, 56-58; instr. PSYCHOL, YOUNGSTOWN, 58-62, asst. prof, 62-64, ASSOC. PROF, 64- Chief psychol-ogist, Woodside Receiving Hosp, Youngstown, 58-62, consult, 62- U.A.S., 43-45. Psychol. Asn. Clinical, social and industrial psychology; learning theory; development and change of attitudes. Publ: Effectiveness of film variables in modifying attitudes; co-auth, Psychological studies on patients undergoing electric-stimulation, Am. J. Psychiat. & Correctional rehabilitation as function of interpersonal relations, J. Criminal Law. Address: Dept. of Psychology, Youngstown University, Youngstown, Ohio 44503.

SCOLNICK, ADOLPH, b. New York, N.Y., Nov. 10, 17; m. 58. STATISTICS, ECONOMICS. B.A. George Washington, 43; American Univ, 46-60. Econo-mist, U.S. Dept. Agr, 43, 45-46; econ. analyst, U.S. Pub. Health Serv, 46; STATISTICIAN, bur. ships, U.S. Dept. Navy, 46-49; Nat. Inst. Ment. Health, 49; Bur. Labor Statist, 49-51, 53-56; Nat. Prod. Administration, 51-53; U.S. Fish & Wildlife Serv, 56-59; Off. Qm. Gen. U.S. Dept. Army, 59-62; voc. rehab. admin, DEPT. HEALTH, ED. & WELFARE, 62-66, PUB. HEALTH SERV, 66- Lectr. statist, Walter Reed Gen. Hosp, D.C., 65. U.S.A., 43-45. Statist. Asn. Sampling; market research; supply management; computer applications; production, price, and productivity index; econometrics; food and fishery products; industry analysis; correlation; curve fitting; testing of hypotheses; labor statistics and economics. Publ: Co-auth, Fish and shellfish consumption in public eating places; Household consumers preferences for canned fishery products & Who buys canned tuna, salmon and sardines and why? Address: 7777 Maple Ave, Apt. 508, Takoma Park, Md. 20012.

SCOTCH, DR. NORMAN A(LLAN), b. Boston, Mass, Sept. 30, 28; m. 54; c. 3. ANTHROPOLOGY. B.A. Boston, 51, M.A., 52; Ph.D.(anthrop), Northwestern, 57; M.S.Hyg, Harvard, 61. Instr. anthropol, Washington State, 56-60; Russell Sage fel, sch. pub. health, Harvard, 60-61, res. assoc, 62-63, asst. prof. SOC. ANTHROP, 63-66; ASSOC. PROF, SCH. HYG. & PUB. HEALTH, HOPKINS, 66- Fel. med. anthropol, U.S. Pub. Health Serv, 57-59; lectr, Boston, 61. Mem. Int. African Asn, 57- U.S.A., 46-48. Fel. Anthropol. Asn; Pub. Health Asn; Sociol. Asn; Heart Asn. Medical anthropology. Publ: Medical anthropology, Biennial Rev. Anthropol, 63; Sociocultural factors in the epidemiology of Zulu hypertension, Am. J. Pub. Health, 8/63; co-auth, Sociocultural factors in the epidemiology of schizophrenia, Int. J. Psychiat, 4/65. Address: Dept. of Behavioral Sciences, Johns Hopkins University School of Hygiene & Public Health, 615 N. Wolfe St, Baltimore, Md. 21205.

SCOTT, DR. ADELIN WHITE, b. Tyler, Tex, June 23, 95. PSYCHOLOGY. B.S. Peabody Col, 18; M.A. Columbia, 21, Ph.D., 29. Asst. prof. psychol. & ed, Cornell, 25-26; assoc. prof, Tex. Tech. Col, 26-29; sch. psychologist, Friends Schs, N.Y., 29-37; clin. & ed. psychologist, Letchworth Village, 42-43; Ment. Hyg. Soc, N.J., 45-49; clin. psychologist, Vet. Admin, 49-51; dean students, Skidmore Col, 64-65; lectr, Central Michigan, 66-67. Private practice, 53- AAAS; Psychol. Asn. Clinical educational psychology; remedial reading. Publ: Reading ability and disability of subnormal children; Comparative study of responses of children of different nationalities and environments on intelligence and achievement tests; co-auth, Characteristics and relations of motor speed and dexterity among young children, J. Genetic Psychol. Address: Apt. 9V, 235 W. 102nd St, New York, N.Y. 10025.

SCOTT, PROF. ANDREW M(acKAY), b. Pasadena, Calif, Nov. 27, 22; m. 47; c. 3. POLITICAL SCIENCE. A.B. Dartmouth Col, 46; M.P.A. Harvard, 49, Ph.D. 50. For. affairs officer, Cent. Intel. Agency, 49-51; Mutual Security Agency, 51-53; asst. prof. govt, Dartmouth Col, 53-54; POLIT. SCI, Haverford Col, 54-58; assoc. prof, NORTH CAROLINA, CHAPEL HILL, 58-66,

- PROF. 66- Vis. Fulbright prof, Bologna, Italy, 60-61. U.S.N, 43-45. Polit. Sci. Assn. International politics. Publ: Co-auth, Simulation and national development, Wiley; auth, The revolution in statecraft: informal penetration, Random, 65; The functioning of the international political system, MacMillan, 67. Address: 1028 Highland Woods, Chapel Hill, N.C. 27514.
- SCOTT, PROF. ANTHONY (DALTON), b. Vancouver, B.C., Aug. 2, 23; m. 52; c. 2. ECONOMICS. B.Comm., British Columbia, 46, B.A., 47; A.M., Harvard, 49; Ph.D., London, 53. Mem. res. staff, dept. appl. econ, Cambridge, 50; asst. lectr., London Sch. Econ., 50-53; from asst. prof. to PROF. ECON., BRITISH COLUMBIA, 53-, HEAD DEPT., 65-. Economist, Royal Cmn. on Can. Econ. Prospects, 55-56; Lilly faculty fel, Chicago, 64-65. Can. Army, 43-45. Am. Econ. Assn.; Can. Polit. Sci. Assn. (pres, 66-67); Royal Econ. Soc. Theory of natural resource exploitation; federal public finance; human migration. Publ: Natural resources, the economics of conservation; Note on grants in federal countries, *Economica*; The fishery, the objectives of sole ownership, *J. Polit. Econ.* Address: 3906 W. 36th Ave, Vancouver 13, B.C., Can.
- SCOTT, DR. C(ECIL) WINFIELD, b. Johnston, S.C., Jan. 4, 05; m. 33. COUNSELING PSYCHOLOGY. A.B., South Carolina, 27, M.A., 28; fel, Columbia, 31-32, Ph.D., 34. Prin. high sch., N.J., 34-36; assoc. prof. sch. admin., Nebraska, 35-40, prof., 40-45; dir, Voc. Counseling Serv., Inc., 45-57; CHMN. DEPT. ED. PSYCHOL., GRAD. SCH. ED., RUTGERS, 57- Lectr., Yale, 45-57; dir. student personnel serv., New Haven State Teachers Col., 50-55, dean of students, 55-57. Dipl., Am. Bd. Exam. Prfnl. Psychol. Fel. AAAS; fel. Psychol. Assn.; Personnel & Guid. Assn. Test interpretation in counseling; predictive value of tests; counseling practicum supervision. Publ: Indefinite teacher tenure; ed, Public education under criticism & The great debate: our schools in crisis. Address: 10 Seminary Place, New Brunswick, N.J. 08903.
- SCOTT, PROF. CHARLES RALPH, JR., b. Westerleigh, N.Y., Apr. 3, 14; m. 41; c. 2. INDUSTRIAL MANAGEMENT. B.S., Cornell, 36, M.S., 43. Spec. engr., Carnegie-Ill. Steel Co., U.S. Steel Corp., 36-38, indust. engr., 38-40; instr. admin. eng., Cornell, 40-42, diesel eng., 42-45, asst. prof. admin. eng., 45-49; assoc. prof. MGT. SCH. COMMERCE & BUS. ADMIN., ALABAMA, 49-57, PROF., 57- Agency Int. Develop. assignment to Peru, 68. Mem., Ala. Bus. Res. Coun., 57- Acad. Mgt. Development of business simulations or games and the application of computer diagramming to management-labor union and other contracts. Publ: The computer as a tool in education, *Am. Bus. Ed.*, 5/62; The anatomy of decision, *Credit Union Exec.*, spring 64; co-auth, Simulett, a business management simulation, In: *Business policy cases*, Irwin, 66. Address: School of Commerce and Business Administration, Box 2607, University of Alabama, University, Ala. 35486.
- SCOTT, DR. CLIFFORD E(LLSWORTH), b. Pleasant City, Ohio, Apr. 28, 11; m. 37; c. 2. INDUSTRIAL PSYCHOLOGY. A.B., Ohio State, 33, A.M., 34; Ph.D., Purdue, 42. Psychologist, Ohio Soldiers' & Sailors' Orphans Home, 35-39; Milwaukee Guid. Clin., 39-40; asst. instr., Purdue, 40-42; training dir., U.S. Rubber Co., 42-45; Tokheim Oil Tank & Pump Co., 45-47; prof. & head dept. psychol., North Dakota, 47-50; DIR. PERSONNEL RES., GULF OIL CORP., 50- Lectr., Purdue & Indiana, 45-47. Dipl., Am. Bd. Exam. Prfnl. Psychol. Psychol. Assn. Address: 165 White Oak Dr., Pittsburgh, Pa. 15237.
- SCOTT, PROF. DAVID C(ARSON), b. Cedar Rapids, Iowa, Aug. 31, 20; m. 42; c. 2. POLITICAL SCIENCE. B.A., Iowa, 42, M.A., 43, Ph.D. (polit. sci.), 48. Instr. polit. sci., Iowa, 46-48; assoc. prof., Southwest Mo. State Col., 48-53, prof., 53-64; city mayor, 59-62; vis. prof., Southern Illinois, 64-65; PROF. POLIT. SCI. & CHMN. DEPT., NEBRASKA, OMAHA, 65- U.S.A., 43-46, 2nd Lt. Polit. Sci. Assn.; Soc. Pub. Admin.; Int. City Mgr. Assn. Municipal, state and local government. Publ: Iowa State Tax Commission, a study in administration. Address: Dept. of Political Science, University of Nebraska at Omaha, Omaha, Nebr. 68101.
- SCOTT, PROF. DONALD, Anthrop., see 10th ed, Soc. & Behav. Vols., deceased 67.
- SCOTT, DR. DONALD MARCEL, b. New Albany, Ind., June 9, 38; m. 60; c. 1. PHYSIOLOGICAL PSYCHOLOGY. B.A., Fla. State, 60, M.A., 64, Ph.D. (psychol.), 66. ASST. PROF. PSYCHOL., WOFFORD COL., 66- U.S.A., 60-62, Capt. AAAS; Psychol. Assn. Cutaneous senses; central nervous system, somato sensory functions. Address: Dept. of Psychology, Wofford College, Spartanburg, S.C. 29301.
- SCOTT, PROF. EARL DONALD, b. Powell, Wyo., Mar. 18, 28; m. 51; c. 2. PSYCHOLOGY. B.A., Missouri, 52; fel, Kansas, 53-54, M.A., 55, Ph.D. (psychol.), 60. Clin. trainee, U.S. Pub. Health Serv., 55-56; superv. occup. testing & anal., State Employ. Serv., Kans., 56-58; instr. psychol., Washburn, 58-61; assoc. prof. PSYCHOL., CORNELL COL., 61-65, PROF., 65-, CHMN. DEPT., 61- U.S.A., 46-49; U.S.A.F.R., 52-58, 1st Lt. Psychol. Assn. Psychology of learning and motivation; behavior modification. Publ: Effect of partially delayed reinforcement and trail-distribution on the extinction of an instrumental response, *Am. J. Psychol.* Address: 310 Fourth Ave, S., Mt. Vernon, Iowa 52314.
- SCOTT, DR. EDWARD M(ICHAE), b. Green Bay, Wis., Aug. 31, 19; m. 54; c. 5. PSYCHOLOGY. B.A., Notre Dame, 46; M.S., Portland, 51, Ph.D., 53; summer, Morton Prince Center for Hypnosis, 67. Supv. psychologist, East. Ore. State Hosp., Pendleton, 53-56; consult. psychologist, State Bd. Health, Ore., 56-60; dir. alcoholic unit, Clark County Ment. Health Center, Wash., 60-61; psychologist, Ore. Alcoholic Clin., 61-65, CLIN. DIR., ORE. ALCOHOLISM TREATMENT CENTER, 65- Lectr., ext. div., State Syst. Higher Ed., Ore., 56, prof., 61; lectr., summer sch. alcohol studies, Utah, 62; consult., Villa St. Rose Training Sch., 62. Mem., N.Am. Assn. Alcoholism Progs. Psychol. Assn.; Group Psychother. Assn.; Soc. Proj. Tech.; Soc. Clin. & Exp. Hypnosis; Acad. Relig. & Ment. Health. Alcoholic therapy techniques; personality components of the alcoholic which relate to success or failure in specific treatment procedure; happiness in normal and pathological groups. Publ: Therapy for today's patients, *Psychol. Reports*, Feb. 65; Group therapy for schizophrenic alcoholics in a state operated outpatient clinic: with hypnosis as an integrated adjunct, *Int. J. Clin. & Exp. Hypnosis*, 14: 232-242; Happiness: a comparison between delinquent and non-delinquent girls, *Psychotherapy, Theory, Res. & Practice* 5/67. Address: 15345 S.W. Bull Mt. Rd, Tigard, Ore. 97223.
- SCOTT, PROF. ELLIS L(AVERNE), b. Casey, Iowa, June 11, 15; m. 50; c. 3. INFORMATION SYSTEMS. B.S., Ohio State, 47, Ph.D. (sociol., anthrop.), 53. Res. assoc., personnel res. bd., Ohio State, 50-53; asst. prof. sociol., New Mexico, 53-56; assoc. soc. scientist, Rand Corp., 57; human factors scientist, Syst. Develop. Corp., 57-64; PROF. MGT. SYSTS, GEORGIA, 64- Secy., Ga. State Tech. Serv. Cmt., 65-67. Sig.C., U.S.A.A.F., 42-46. Acad. Mgt.; Inst. Mgt. Sci.; Assn. Comput. Mach. Management information systems; planning-programming-budgeting-systems; computerbased simulation. Publ: Co-auth, EDP systems in public management, Rand McNally, 68, PPB systems reader, Univ. Georgia, 68. Address: 124 Colonial Dr, Athens, Ga. 30601.
- SCOTT, PROF. ELTON MONROE, b. Woodville, Tex., Dec. 19, 05; m. 45; c. 2. GEOGRAPHY. B.S., Sam Houston State Teachers Col., 30; M.A., Peabody Col., 36; Ph.D. (geog.), Wisconsin, 41. Instr. geog., exten. div., Wisconsin, 40-42, asst. prof., 48; assoc. prof. & head dept., E.Ill. State Col., 48-49; sr. researcher, geog. inst., Virginia, 48-49; PROF. GEOG., SAM HOUSTON STATE COL., 49-, HEAD DEPT., 60- U.S.A.A.F., 42-48, Capt. Assn. Am. Geog.; Nat. Coun. Geog. Ed. Military geography, especially as related to landforms, hydrography and vegetation. Publ: Texas geography; Texas Gulf Coast; Texas today, Harlow, 62. Address: 2019 Ave. Q, Huntsville, Tex. 77340.
- SCOTT, PROF. FRANCIS S(WAN), b. Lawrence, Kans., Oct. 5, 11. ECONOMICS, STATISTICS. B.S., Alabama, 35; M.S., Columbia, 39; Texas, 47-48. ASST. PROF. ECON., MISSISSIPPI, 41-, acting dir., bur. bus. res. & ed, Bus. Bull., 42-47. Statist. Assn. Forest economics; Mississippi timber and its utilization. Address: Dept. of Economics, University of Mississippi, University, Miss. 38677.
- SCOTT, PROF. FRANK A(LEXANDER), b. Montgomery Co., Va., June 5, 17; m. 47; c. 3. EDUCATIONAL PSYCHOLOGY. A.B., Duke, 48, M.A., 49. Kellogg grant, 56-57, Ed.D. (ed. psychol.), 57. Head dept. ed., Brenau Col., 54-56; assoc. prof. psychol. & dir. testing & child study center, E.Carolina Col., 57-61; clin. psychologist, St. Albans Psychiat. Hosp., 61-64; PROF. PSYCHOL., RADFORD COL., 64- Consult. N.C. Cmn. Study Ed. of Except. Talented Child. U.S.N., 42-45. Psychol. Assn. Attitudes of public school principals as related to effectiveness. Address: Box 666, Radford College, Radford, Va. 24141.
- SCOTT, PROF. FRANK SANFORD, JR., b. Cody, Wyo., Mar. 5, 21; div; c. 1. AGRICULTURAL ECONOMICS. B.A., Ore. State Col., 43; M.A., Missouri, 47; Ph.D., Illinois, 53. Asst. prof. agr. econ., Stephen F. Austin State Col., 47-50; asst. agr. mkt., Illinois, 50-51; asst. agr. economist, Nevada, 51-54; as- soc. prof. agr. mkt. & assoc. agr. economist, HAWAII, 54-58, PROF. AGR. ECON. & AGR. ECONOMIST, 58-, acting chmn. dept. agr. econ., 60. Mkt. adv., Govt. of Argentina, Food & Agr. Orgn., UN, 60-62. U.S.A.A.F., 43-46, Sgt. Mkt. Assn.; Agr. Econ. Assn.; Inst. Food Tech. Economics of water resource development; methods and costs of market development; consumer demand and market potentials; marketing research methodology. Publ: Marketing aspects of Western cattle finishing operations; Analysis of market development for frozen passion fruit juice; Characteristics of consumer demand for Macadamia nuts. Address: Dept. of Agricultural Economics, University of Hawaii, Honolulu, Hawaii 96822.
- SCOTT, PROF. GARY KUPER, b. Jefferson City, Mo., Jan. 3, 33; m. 58; c. 2. COUNSELING PSYCHOLOGY. B.Ed., West. Wash. State Col., 60, M.Ed., 62; Ph.D. (counseling psychol.), Minnesota, 65. Teacher, jr. high sch., Wash., 60-62; dir. student counseling center, Minot State Col., 65-67; PROF. PSYCHOL., LINCOLN (MO), 67- U.S.N., 53-57. Personnel & Guid. Assn.; Psychol. Assn. Personality correlates of effective counseling. Publ: Correlates of student attendance ratios, *J. Reading*, 5/65. Address: Dept. of Psychology, Lincoln University, Jefferson City, Mo. 65101.
- SCOTT, DR. GUY, b. Wymore, Nebr., Oct. 24, 17; m. 40; c. 1. PSYCHOLOGY. Ph.D. (ed. psychol. & measurement), Nebraska, 49. From instr. to asst. prof. mil. sci. & tactics, Missouri, 42-44; instr. off-campus courses, Nebraska, 47-49; asst. prof. ed., Washington (St. Louis), 49-53; prof. psychol., Col of Emporia, 53-56, dean men, 53-54, dean col., 54-56; prof. psychol. & dean, Polytech. Inst. P.R., 56-57; sr. clin. psychologist, Larned State Hosp., 57-64; DIR. & CHIEF PSYCHOLOGIST, SOUTHWEST GUID. CENTER, 64- Mem., Inst. Res. Hypnosis. U.S.A., 40-48, Lt. Col. AAAS; Psychol. Assn. Personal adjustment; school learning. Publ: Evaluation of a mental health week program, clergymen, Ment Hyg; contrib. Leadership in studying behavior problems & Motion pictures enrich learning. Address: 1521 N. Webster, Liberal, Kans. 67901.
- SCOTT, PROF. HARLEY A(UGUSTUS), JR., b. Statesville, N.C., May 20, 19; m. 43; c. 5. PSYCHOLOGY. Ph.D. (psychol.), Duke, 53. Trainee clin. psychol., Vet. Admin. Ment. Health Clin., Durham, N.C., 48-49, Vet. Admin. Hosp., Fayetteville, N.C., 49; assoc. prof. psychol. & dir. testing bur., Queens Col. (N.Y.), 50-52; PROF. PSYCHOL. & HEAD DEPT., WINTHROP COL., 53- U.S.A., 42-46, Capt. Psychol. Assn. Clinical psychology; the retarded child; measurement of self-attitudes; adaptation to heat and cold. Publ: Co-auth, Temporal course of thermal adaptation, *Science*, 151: 1095-1096. Address: 622 Hanover Court, Rock Hill, S.C. 29730.
- SCOTT, DEAN IRA OSCAR, JR., b. Winfield, Kans., July 28, 18; m. 43; c. 1. BUSINESS ADMINISTRATION. Ph.D., Harvard, 53. Asst. prof. bus. admin. sch. bus. admin., Minnesota, 55-56, assoc. prof., 56-57; grad. sch. bus. admin., N.Y. Univ., 57-58; grad. sch. bus., Columbia, 58-67; PROF. FINANCE & DEAN, ROTH GRAD. SCH. BUS. ADMIN., LONG ISLAND, 67- U.S.A., 42-46, Maj. Econ. Assn. Money and banking. Address: Arthur T. Roth Graduate School of Business Administration, Long Island University, Greenvale, N.Y. 11548.
- SCOTT, PROF. J. T., b. North Little Rock, Ark., Feb. 22, 26; m. 50; c. 4. AGRICULTURAL ECONOMICS. B.A., La. Polytech., 49; M.B.A., Arkansas,

- 52; Ph.D. Iowa State, 57. Instr. econ, Drury Col, 52-54; asst. ECON, IOWA STATE, 54-55, assoc. 55-56, instr. 56-57, asst. prof. 57-60, assoc. prof. 60-63, PROF. 63- Nat. Sci. Found. faculty fel, 65-66. Agr. Econ. Asn; Econ. Asn. Teaching and research in economic development; management; agriculture marketing. Address: Dept. of Economics, Iowa State University, Ames, Iowa 50010.
- SCOTT, DR. JAMES CAMPBELL, b. Mt. Holly, N.J., Dec. 2, 36; m. 61; c. 3. POLITICAL SCIENCE. B.A., Williams Col, 58; Rangoon, 58-59; Inst. Polit. Sci., France, 59-60; M.A., Yale, 63, Ph.D. (polit. sci.), 67. Instr. POLIT. SCI., Wesleyan, 67; ASST. PROF., WISCONSIN, 67- Nat. Sci. Found. fel, 68-69. Polit. Sci. Asn; Asn. Asian Studies. Politics of the less developed nations; political development; the politics of industrialization in the west and non-west; politics of Southeast Asian nations. Publ: Political ideology in Malaysia, Yale, 68. Address: 2440 Commonwealth Ave, Madison, Wis. 53711.
- SCOTT, DR. JEROLD D., b. Pomona, Calif., Aug. 28, 16; m. 42; c. 1. PSYCHOLOGY. B.A., Baylor, 46; Ph.D. (psychol.), Chicago, 52. Chief counseling psychologist, Vet. Admin. Hosp., Houston, Tex., 52-57; V. PRES. PSI, INC., 57- U.S.A., 43-46, Maj. Psychol. Asn. Social perception; role of attitude in total adjustment; organizational behavior; worker motivation; managerial leadership. Address: PSI, Inc., P.O. Box 66444, Houston, Tex. 77006.
- SCOTT, PROF. JOHN C (ARVER), JR., b. Bennington, Vt., Feb. 2, 18; m; c. 1. SOCIOLOGY. B.S., Springfield Col, 42; A.M., Chicago, 48, Ph.D. (sociol.), 53. Instr. SOCIOL., Chicago, 53-54, asst. prof. 54-55, res. assoc. 53-55; asst. prof. Oregon, 55-57; sr. res. scientist, Spec. Oper. Res. Off., 60-61; assoc. prof. AMERICAN UNIV., 57-61, PROF., 62-, ASSOC. DEAN, COL. ARTS & SCI., 67- Res. grants, Soc. Res. Inc., 54-55; Soc. Sci. Res. Coun., 56; Nat. Cmn. Community Health Serv., 63; Dept. Health, Ed. & Welfare, 64. Vis. prof. Hawaii, 65. U.S.A., 42-46. AAAS; fel. Sociol. Asn; Anthropol. Asn. Race and culture contact; social stratification and mobility; theory and methodology. Publ: Race and culture contact in southeastern Alaska; Membership and participation in voluntary associations; Theoretical frame of reference for the study of informal communication. Address: College of Arts & Sciences, American University, Massachusetts & Nebraska Aves, Washington, D.C. 20016.
- SCOTT, DR. J (OHN) F (INLEY), b. Berkeley, Calif., Jan. 8, 34; m. 65. SOCIOLOGY. B.A., Reed Col, 55; M.A., Stanford, 56; Ph.D. (sociol.), California, Berkeley, 66. Lectr. SOCIOL., California, Davis, 63-66; asst. prof., Washington (Seattle), 66-68; ASSOC. PROF., CALIFORNIA, DAVIS, 68- Sociol. Asn. Family, demography. Publ: Theory of moral learning, Prentice-Hall, 69; The prospect of college, Macmillan, 69. Address: Dept. of Sociology, University of California, Davis, Calif. 95616.
- SCOTT, DR. JOHN F (OLEY), b. Somerville, Mass., June 21, 12; m. 43; c. 3. PERSONNEL PSYCHOLOGY. A.B., Holy Cross Col, 34; J.D., Georgetown, 39. Mem. staff, U.S. CIVIL SERV. CMN., 35-52, chief Test. Develop. Sect., 52-57, chief employ. syst. sect., 57-68, ASST. DIR. EMPLOY. POLICY, 68- U.S.A., 44-46, Lt. Aptitude and achievement tests for clerical, industrial and professional positions; evaluation of training and experience; job analysis; personnel program planning; legislation; policy development. Address: 7200 Exfair Rd, Bethesda, Md. 20014.
- SCOTT, DR. J (OHN) P (AUL), Zool., Psychol., see 11th ed, Phys. & Biol. Vols.
- SCOTT, DR. JOHN THACKERY, JR., b. Melvin, Ill., Oct. 6, 26; m. 53; c. 3. AGRICULTURAL ECONOMICS, STATISTICS. B.S., Illinois, 51, M.S., 52; Ph.D. (econ), Iowa State, 65. Fieldman, Ill. Valley Farm Bur. Farm Mgt, 56-61; res. asst. econ, Iowa State, 61-63; economist, U.S. Dept. Agr., 63-65; ASSOC. PROF. AGR. ECON., ILLINOIS, URBANA, 65- Mem. res. team, Nat. Inst. Ment. Health res. grant, 67-70. U.S.A., 53-55, Capt. Economet. Soc; Econ. Asn; Agr. Econ. Asn. Regional development-impact of industrialization on a rural area; demand for investment in agricultural plant and equipment on national and regional basis; use of factor analysis in economics. Publ: The measurement of technology, 8/64 & co-auth, Regional demand for farm buildings in the United States, 2/67, J. Farm Econ; auth, Factor analysis and regression, Econometrica, 7/66. Address: Dept. of Agricultural Economics, University of Illinois, Urbana, Ill. 61801.
- SCOTT, DR. JOSEPH W (ALTER), b. Detroit, Mich., May 7, 35; m. 58; c. 3. SOCIOLOGY. B.S., Central Michigan, 57; M.A., Indiana, 59, Ph.D. (sociol.), 63. Res. scientist, U.S. Army Infantry Human Res. Unit, 63-65; asst. prof. SOCIOL., Kentucky, 65-67; ASSOC. PROF., TOLEDO, 67- Lectr., Ft. Benning Exten, American Univ., 63-65; Univ. Kentucky Res. Found. res. grant, 66; Fulbright prof., Nat. Univ. Litoral, summer 67. U.S.A., 63-65, Res. 65-, Capt. Sociol. Asn; Int. Inst. Sociol. Deviant behavior; complex organizations; social organization, conflict, psychology and stratification; urban problems. Publ: A perspective on middle-class delinquency, Can. J. Econ. & Polit. Sci., 8/63; Social class factors underlying the civil rights movement, Phylon, summer 66; Sources of change in a community, family, and fertility in a Puerto Rican town, Am. J. Sociol., 3/67. Address: Dept. of Sociology, University of Toledo, Toledo, Ohio 43606.
- SCOTT, DR. KEITH GILL, b. Greenlane, N.Z., Dec. 8, 34; m. 63; c. 1. PSYCHOLOGY. B.A., Auckland, 61; M.S., Connecticut, 63, Ph.D. (psychol.), 66. ASST. PROF. PSYCHOL., CHILDREN'S RES. CENTER, ILLINOIS, 65- Psychol. Asn; Asn. Ment. Deficiency; Psychonomic Soc; Soc. Res. Child Develop. Learning and memory in normal and retarded children; research design with psychotropic drugs in children; problem solving. Publ: Co-auth, Research and theory in short-term memory, In: International review of mental retardation, Academic, Vol. III, 67; auth, Intelligence and learning, In: Psychometric intelligence, Appleton, 67; co-auth, A functional differentiation of STM and LTM, Psychonomic Sci., 7: 143-144. Address: Children's Research Center, University of Illinois, Champaign, Ill. 61820.
- SCOTT, DR. LEON EDWARD, b. Randolph, Nebr., Oct. 25, 29; m. 54; c. 3. PSYCHOLOGY. B.A., Wayne State Col, 51; M.E., Nebraska, Lincoln, 57, Ed.D. (ed. psychol.), 65. Teacher, high sch, Nebr., 53-58; jr. high, Iowa, 58-61, counsr., 61-63; high sch, 63-65; ASSOC. PROF. PSYCHOL., WESTMAR COL., 65- U.S.A., 51-53, Sgt. Psychol. Asn. Address: Dept. of Psychology, Westmar College, Le Mars, Iowa 51031.
- SCOTT, DR. MECKINLEY, Appl. Math., Statist., see 11th ed, Phys. & Biol. Vols.
- SCOTT, PROF. PRESTON H., Bus. Mgt., see 10th ed, Soc. & Behav. Vols., deceased.
- SCOTT, DR. RALPH SAMUEL, JR., b. Portage, Wis., July 31, 27; m. 61; c. 2. EDUCATION, PSYCHOLOGY. B.A., Luther Col, 50; M.S.W., Wisconsin, 53; Ph.D., Chicago, 64. Soc. worker, Homme Home, Wittenberg, Wis., 51-52; sch. soc. worker, Joliet Pub. Schs., 53-55; Aurora Pub. Schs., 55-58; child guid. counselor, overseas dependents schs., Frankfurt, Germany, 58-59; sch. soc. worker, W.Chicago Pub. Schs., 59-61; sch. psychologist, Chicago Pub. Schs., 62-63; clin. psychologist, med. sch., Northwestern, 63-65; ASSOC. PROF. ED. & PSYCHOL. & DIR. ED. CLIN., NORTHERN IOWA, 65- Dept. Health, Ed. & Welfare Study grant, 65-66. Part-time psychiat. soc. worker, Inst. Juvenile Res., 52-57. U.S.A., 45-47, S/Sgt. Psychol. Asn. Cultural enrichment; pseudo-retardation; learning patterns of exceptional children. Publ: Fun at the pond, a linguistic readiness book, 66 & co-auth, Learning readiness system: classification and seriation, 68, Harper. Address: Dept. of Education & Psychology, University of Northern Iowa, Cedar Falls, Iowa 50613.
- SCOTT, DR. RAYMOND C (ARSON), b. U.S., Jan. 16, 18; m. 46; c. 2. AGRICULTURAL ECONOMICS. B.S., Va. Polytech, 41, M.S., 42; Philco Found. fel, Cornell, 46-48, Ph.D., 48. Asst. agr. econ, Va. Polytech, 41-42; asst. prof. mkt., Cornell, 48-49; assoc. prof., Ohio State, 49-52; chief br. mkt. FED. EXTEN. SERV., U.S. DEPT. AGR., D.C., 52-56, dir. div. agr. econ, 56-62, ASST. ADMINSTR. PROGS., 62- U.S.A.A.F., 42-46, Sgt. Econ. Asn; Agr. Econ. Asn. Education work in economics and marketing sciences. Publ: Consumption of frozen foods in Syracuse, New York. Address: Federal Extension Service, 14th St. & Independence Ave. S.W., Washington, D.C. 20250.
- SCOTT, DR. RICHARD ALLEN, b. Mattoon, Ill., July 15, 31; m. 59; c. 2. MARKETING, ECONOMICS. B.S., Illinois, 53, Ph.D. (mkt.), 64; Michigan, 56-59; M.B.A., Arizona, 60. Asst. prof. MKT., Texas, 63-67; ASSOC. PROF., ARIZONA, 67- U.S.A., 54-56, Sgt. Mkt. Asn. Market analysis and research; sales training; store and plant location; real estate marketing. Publ: Co-auth, Marketing and its environment, Wadsworth, 68; auth, Costs of sales training, Training & Develop. J., 5/66; Selection of retail stores, South J. Bus., 5/68. Address: Dept. of Marketing, University of Arizona, Tucson, Ariz. 85721.
- SCOTT, DR. RICHARD GASTON, b. San Antonio, Tex., Dec. 23, 17; m. 40; c. 3. PSYCHOLOGY. B.A., Antioch Col, 41; Ed.D., Columbia, 54. Camp mem. & leader, Am. Friends Serv. Cmt., 42-43, dir. int. rels., 43-44; teacher, high sch., Calif., 45-46; sch. psychologist, Voc. Bd., 48-61; Nanuet Schs., 61-64; sr. psychologist, Rockland County Center Ment. Health, 54-64; staff psychologist, Bexar County Community Guid. Center, 64-65; CLIN. PSYCHOLOGIST, 65- Acting sr. clin. psychologist, Rockland State Hosp., 51; private practice, 54-65. Summer mem. grad. faculty, Our Lady of the Lake Col, 61, 62, 65, 67 & 68. Consult, United Cerebral Palsy Assn. Rockland County, 49-54; North East Sch. Dist., 64-68; Alamo Heights Sch. Dist., 65-68; Harlandale Sch. Dist., 67; San Antonio State Hosp., 67-68. Psychol. Asn. Diagnostic psychological testing; psychotherapy with children and adults. Address: 3703 Hundred Oaks, San Antonio, Tex. 78209.
- SCOTT, DR. ROBERT ALEXANDER, b. Tamaqua, Pa., Dec. 22, 35; m. 61; c. 1. SOCIOLOGY. B.A., Pa. State, 57; M.A., Stanford, 58, Ph.D. (sociol.), 61. Fel. sociol., Russell Sage Found., 61-63, assoc. sociologist, 63-66; ASST. PROF. SOCIOL., PRINCETON, 66- Chief soc. sci. consult., Am. Found. Blind, 66- Mem. adv. cmt. rehab., Nat. Insts. Health, 66- Sociol. Asn; Soc. Study Social Probs. Social deviance and psychology. Publ: The making of blind men, Russell Sage, (in press); co-auth, Deviance, Basic Books, (in prep). Address: Dept. of Sociology, Princeton University, Princeton, N.J. 08540.
- SCOTT, PROF. ROBERT E (DWIN), b. Chicago, Ill., Apr. 27, 23. POLITICAL SCIENCE. B.A., Northwestern, 45, M.A., 46; Ph.D., Wisconsin, 49. Instr. POLIT. SCI., ILLINOIS, URBANA, 49-50, asst. prof. 50-58, assoc. prof. 58-61, PROF., 61- Vis. prof., Yale, 62; sr. staff mem., Brookings Inst., 63-64. Consult, Pub. Admin. Serv., 50; Episcopal Church, Cent. Am., 57, Mex., 58, Venezuela, 66. Polit. Sci. Asn; Asn. Latin Am. Studies. Comparative politics, especially Latin American government and politics; theory of politics in the developing countries. Publ: Mexican government in transition; co-auth, Political parties and political development, Princeton Univ. Press, 66; Elites in Latin America, Oxford Univ. Press, 67. Address: 403 Lincoln Hall, University of Illinois, Urbana, Ill. 61801.
- SCOTT, PROF. ROBERT HANEY, b. Garden City, Kans., Sept. 18, 27; m. 56; c. 4. ECONOMICS. A.B., Kansas, 49, M.A., 50; Ford Found. fel, Harvard, 60-61, Ph.D. (econ), 61. Instr. ECON., Kansas State, 56-61; PROF., WASHINGTON (SEATTLE), 61- Fulbright exchange lectr., Galway, Ireland, 66-67. A.U.S., 46, Mil. Intel. Res., 49-59, 1st Lt. Econ. Asn. Management of the national debt; macroeconomic models. Publ: Problems in national income analysis, Scott, 66; Estimates of Hicksian IS and LM curves for the United States, J. Finance, 9/66. Address: Dept. of Business Economics, University of Washington, Seattle, Wash. 98105.
- SCOTT, DR. RUSSELL HAYES, b. Jeannette, Pa., Mar. 29, 32; m. 60; c. 1. EDUCATIONAL PSYCHOLOGY. B.S., Pittsburgh, 59, M.S., 63, Ph.D. (psychol.), 65. Instr. psychol., Pittsburgh, 61-63, statist. & res. design, behav. sci. dept., sch. dentistry, 63-65, asst. prof., 65-66; ASST. DIR. RES., PITTSBURGH BD. PUB. ED., 66- Psychol. consult., inst. local govt., Pittsburgh, 63-; psychologist-in-charge police sect., Civil Serv. Cmn., City of Pittsburgh, 65- U.S.A., 52-55; Nat. Guard, 56-61. Psychol. Asn; Statist. Asn. Statistics and research design; human learning; tests and measurement. Address: 5537 Darlington Rd, Pittsburgh, Pa. 15217.

- SCOTT, STANLEY, b. Plainview, Tex, Nov. 1, 21; m. 54. POLITICAL SCIENCE. B.A. Tex. Tech. Col, 42; M.A. Chicago, 47. Pub. admin. analyst, INST. GOV'T. STUDIES, 47-59, ASST. DIR, 59- Fruin-Colon award, Nat. Munic. League, 59; Laverne Burchfield award, 67. AAAS; Soc. Pub. Admin; Polit. Sci. Assn. Metropolitan government; local government; legislative research. Publ: California government and politics; ed, Metropolitan area problems; co-auth, Government: regional organization for bay conservation and development, San Francisco Bay Conserv. & Develop. Cmn, 67. Address: 1141 Vallecito Court, Lafayette, Calif. 94549.
- SCOTT, DR. THOMAS R(OBERT), b. Houston, Tex, Nov. 9, 27; m. 52; c. 3. CLINICAL PSYCHOLOGY. B.A. Houston, 51, M.A. 53; Ph.D.(clin. psychol), Nebraska, 58. Lab. asst. physiol. psychol, Houston, 50-52; trainee clin. psychol, Vet. Admin, 54-57; clin. psychologist, State Hosp, S.C, 57-59; RES. PSYCHOLOGIST, VET. ADMIN. HOSP, 59- Instr, South Carolina, 58- U.S.A, 46-48. AAAS; Psychol. Assn. Visual perception; brain function; autonomic responsivity and emotion; verbal conditioning in psychotherapy; psychophysical measurement of visual aftereffects; electronic instrumentation in perceptual research. Publ: Co-auth, Some stimulus dimensions of rotating spirals, *Psychol. Rev.* 72: 344-357, Directional asymmetry of motion aftereffect, *J. Exp. Psychol.* 71: 806-815 & Pupillary response and sexual interest reexamined, *J. Clin. Psychol.* 23: 434-438. Address: Veterans Administration Hospital, Columbia, S.C. 29201.
- SCOTT, DR. THOMAS WILLIAM, b. Urbana, Ill, Sept. 3, 18; m. 53; c. 2. GEOGRAPHY. B.S. Harvard, 42; M.S. Illinois, 51, Ph.D. 57. Instr. geog, Arkansas, 55-57; asst. prof. transportation & for. trade & head dept, Houston, 57-58; asst. prof. GEOG, ARKANSAS, 58-63, ASSOC. PROF, 63-, chmn. dept, 64-66. U.S. Merchant Marine, 42-48, 51-52. Assn. Am. Geog; Nat. Coun. Geog. Ed. World regional, economic and transportation geography, especially Europe, Africa and Middle East. Address: Dept. of Geography, University of Arkansas, Fayetteville, Ark. 72701.
- SCOTT, PROF. WILL B, b. Kingsville, Tex, Aug. 8, 25; m. 59. SOCIOLOGY. B.S. Indiana, Bloomington, 63, Ed.D.(soc. serv), 65; M.A. Indiana, Indianapolis, 64. Assoc. prof. sociol. chmn. dept. sociol. & chmn. div. soc. sci, Knoxville Col, 65-67; PROF. SOCIOL. & SOC. SERV. & CHMN. DEPT, A&T STATE, 67- U.S.A.F, 48-52, Sgt. Sociol. Assn; Nat. Assn. Soc. Workers. Poverty, education and motivation. Address: Dept. of Sociology & Social Service, A&T State University, Greensboro, N.C. 27411.
- SCOTT, PROF. WILLIAM A(BBOTT), b. Lincoln, Nebr, Apr. 21, 26. SOCIAL PSYCHOLOGY. B.S. New Mexico, 50; M.S. Michigan, 51, Ph.D. 54. Asst. study dir, inst. soc. res, Michigan, 51-53, study dir, 54-55; asst. prof. PSYCHOL, COLORADO, 55-59, assoc. prof, 59-62, PROF, 62- Nat. Inst. Ment. Health res. grants, 57-60 & 63-69. U.S.N.R, 44-46, Lt.(jg). Fel. Psychol. Assn; fel. Sociol. Assn. Research methods in the behavioral sciences; attitude theory and measurement; personal values. Publ: The United States and the United Nations: the public view; Introduction to psychological research; Values and organizations Rand McNally, 65. Address: Dept. of Psychology, University of Colorado, Boulder, Colo. 80302.
- SCOTT, DR. WILLIAM E(DGAR), JR, b. Newtown, Ind, Jan. 26, 29; m. 56; c. 1. ORGANIZATIONAL BEHAVIOR. B.A. Indiana, 55; M.A. Purdue, 56, Ph.D. (indust. psychol), 62. Asst. dir. personnel, Purdue, 58-62; ASSOC. PROF. ORGN. BEHAV, GRAD. SCH. BUS, INDIANA, 62- U.S.N, 49-53, Lt.(jg). Psychol. Assn. Behavior of individuals in organizations, conditioning, morale, motivational theory, selection and individual differences, leadership, managerial development. Publ: Co-auth, Organizational behavior and human performance, Irwin-Dorsey, (in press); auth, The development of semantic differential scales as measures of morale, *Personnel Psychol.* spring 66; Activation theory and task design, *Orgn. Behav. & Human Performance*, 9/66. Address: Graduate School of Business, Indiana University, Bloomington, Ind. 47401.
- SCOTT, W(ILLIAM) E(LWYNNE), b. Port Elgin, Ont, Dec. 22, 12; c. 2. ECONOMICS. B.Com, Toronto, 35. Banking asst, Bank of Can, 44-49, chief res. dept, 49-56, exec. asst. to gov, 56-63; asst. inspector gen. of banks, CAN. DEPT. FINANCE, 64-66, INSPECTOR GEN. BANKS, 67- Address: Dept. of Finance, Confederation Bldg, Ottawa, Ont, Can.
- SCOTT, PROF. WILLIAM GEORGE, b. Chicago, Ill, Oct. 19, 26; m. 56; c. 4. ORGANIZATION THEORY. A.B. DePaul, 50; M.S. Loyola, 52; D.B.A. Indiana, 57. Instr. labor rels, Loyola, 52-53; faculty lectr. mgt, Indiana, 54-56; assoc. prof, Ga. State Col, 56-59; assoc. prof, DePaul, 59-62, prof, 62-67, chmn. dept, 59-67; PROF. ORGN. THEORY, WASHINGTON (SEATTLE), 67- Consult, Internal Revenue Serv; Univ. Chicago; Field Ed. Enterprises, Inc. Med.C, U.S.A, 46-47. Acad. Mgt. Organization theory; organizational government; technology and culture. Publ: Co-ed, Readings in human relations; auth, Management of conflict, Irwin & Dorsey, 65; Organization theory, Irwin, 67. Address: 6051 41st N.E, Seattle, Wash. 98115.
- SCOTT, DR. W(ILLIAM) RICHARD, b. Parsons, Kans, Dec. 18, 32; m. 55; c. 3. SOCIOLOGY. A.B. Kansas, 54, Woodrow Wilson fel, 54-55, M.A. 55; Henderson fel, Chicago, 55-56, univ. fel, 56-57, Soc. Sci. Res. Coun. fel, 58-59, Ph.D. 61. Asst. SOCIOL, Chicago, 56-58; asst. prof, STANFORD, 60-65, ASSOC. PROF, 65- Nat. Sci. Found. study grant, 62-66; Ford faculty res. fel. econ. & bus, 66. Sociol. Assn. Formal organization; problems arising when professionals are employed by organizations; bureaucratic and professional authority relations. Publ: Collab, Metropolis and region & Formal organizations: a comparative approach; co-auth, Medical care, Wiley, 66. Address: Dept. of Sociology, Stanford University, Stanford, Calif. 94305.
- SCOTT, DR. WINIFRED S(TARBUCK), b. Iowa, Sept. 25, 06; m. 33. PSYCHOLOGY. B.A. Iowa, 28; Ph.D.(clin. & consult. psychol), Columbia, 40. Psychologist, Child Guid. Clin, Waterbury, Conn, 45-53; sr. couns. Voc. Counseling Serv, Inc, 45-58, chief psychologist, 57-58, consult, 58-59; PSYCHOLOGIST, pub. schs, East Orange, N.J, 59-63; MIDDLETOWN TWP. SCHS. 63- Dipl. Am. Bd. Exam. Princl. Psychol. Fel. Psychol. Assn; fel. Orthopsychiat. Assn. Counseling psychology; projective and non-projective test interpretation; dynamics of academic underachievement. Publ: Reaction time of intellectual deviates; Implications for improved school learning of the preschool approach with the culturally disadvantaged, *The Sch. Psychol.* 65; Meeting the affective needs of disadvantaged children, In: *Perspectives in the education of the disadvantaged children*, World, 67. Address: 31 Patton Dr, East Brunswick, N.J. 08816.
- SCOVILL, PROF. HIRAM THOMPSON, Acct, see 10th ed, Soc. & Behav. Vols, deceased 62.
- SCOVILLE, DR. JAMES GRIFFIN, b. Amarillo, Tex, Mar. 19, 40; m. 62. ECONOMICS. A.B. Oberlin Col, 61; A.M. Harvard, 63, Ph.D.(econ), 65. Instr. econ, Harvard, 64-65; economist, Int. Labor Off, Switz, 65-66; ASST. PROF. ECON, HARVARD, 66- Expert, summer res. prog, U.S. Agency Int. Develop, Afghanistan, 67. Econ. Assn. Labor economics and industrial relations. Publ: The structure of labour demand, 1960-80, UN Document ISLEP/A, 8/66; Education and training requirements for occupations, *Rev. Econ. & Statist.* 11/66; The job content of the Canadian economy, 1941-61, Dominion Bur. Statist. Spec. Labor Force Report 3, 4/67. Address: Dept. of Economics, Harvard University, Cambridge, Mass. 02138.
- SCOVILLE, DR. ORLIN J(AMES), b. Morrill, Nebr, Jan. 29, 11; m. 38; c. 4. AGRICULTURAL ECONOMICS. B.S. Colo. State Col, 31, M.S. 33; Wisconsin, 34-35; Ph.D. Harvard, 49. Agr. economist, bur. agr. econ, U.S. Dept. Agr, 39-53, head farming efficiency sect, agr. res. serv, 54-61, staff adv. agr. econ, 61-62, chief agr. div, U.S. Agency Int. Develop, 62-64, rural develop. officer, 64-66; PROF. ECON. & SOCIOL, KANSAS STATE, 66- Field proj. leader, consortium study Nigerian rural develop, U.S. Agency Int. Develop, 66- Consult, Ministry Agr. & Fisheries, Eng, 51-52; agr. econ. planning, Ministry Food & Agr, Turkey, 62- Agr. Econ. Assn; Soc. Int. Develop; Nigerian Field Soc; Int. Assn. Agr. Econ. Agricultural development; farm management and production economics. Address: Dept. of Economics & Sociology, Kansas State University, Manhattan, Kans. 66502.
- SCOVILLE, PROF. WARREN C(ANDLER), b. Reynolds, Ga, Sept. 9, 13; m; c. 2. ECONOMICS. A.B. Duke, 34; Ph.D. Chicago, 40. Instr. ECON, Texas, 37-41; California, Los Angeles, 41-42; asst. prof, Mass. Inst. Tech, 42-44; CALIFORNIA, LOS ANGELES, 44-47, assoc. prof, 47-52, PROF, 52-, AS-SOC. DEAN, GRAD. DIV, 67- Guggenheim Found. fel, 48-49, 55-56; Fulbright res. fel, 55-56; Ford Found. fel, 59-60. Chevalier, Ordre des Palmes Acad, 64. Econ. Assn; Econ. Hist. Assn; Soc. Hist. Tech. Activities of French Council of Trade, 1700-1741; economic history, principles and systems. Publ: Revolution in glassmaking, entrepreneurship and technological change in the American industry, 1880-1920; Capitalism and French glassmaking, 1640-1789; Persecution of Huguenots and French economic development, 1680-1720. Address: Dept. of Economics, University of California, Los Angeles, Calif. 90024.
- SCOVILLE, DR. WILBER EDWIN, b. Denver, Colo, Jan. 24, 30; m. 53; c. 3. PSYCHOLOGY, COUNSELING. A.B. Colo. State Col, 51, A.M. 52; Ph.D. (psychol, ed), Denver, 66. Teacher, high sch, Nebr, 54-56; pub. schs, Colo, 56-59; asst. prof. psychol, Minot State Col, 59-62; WIS. STATE, OSHKOSH, 62-67, ASSOC. PROF, 68- U.S.A, 52-54. Psychol. Assn; Personnel & Guid. Assn. Teacher evaluation; group testing; social psychology. Publ: Co-auth, Save through state-wide self-insurance, *Am. Sch. Bd. J.* 8/53; auth, A fairy tale, *N. Dak. Teacher*, 11/60 & Effects of employment on the academic performance of selected college freshmen, *Dissertation Abstracts*, 67. Address: Dept. of Psychology, Wisconsin State University, Oshkosh, Wis. 54901.
- SCOWCROFT, COL. BRENT, U.S.A.F, b. Ogden, Utah, Mar. 19, 25; m. 51; c. 1. POLITICAL SCIENCE. B.S. U.S. Mil. Acad, 47; M.A. Columbia, 53, Ph.D.(polit. sci), 67; Georgetown, 58; Armed Forces Staff Col, 61; Nat. War Col, 67-68. U.S. AIR FORCE, 43-, instr. soc. sci, U.S. Mil. Acad, 53-54, asst. prof, 54-57, intel. staff officer, Air Force Hq, 57-59, air attaché, U.S. Embassy, Belgrade, 59-61, assoc. prof. polit. sci, U.S. Air Force Acad, 62-63, prof. & head dept, 63-64, planning officer, Air Force Hq, 64-67. Commendation medal, U.S. Air Force, 63; Legion of Merit, 67. Polit. Sci. Assn; Acad. Polit. Sci. National security policy; Soviet affairs. Publ: Co-auth, American defense policy, Johns Hopkins, 65. Address: 6114 Wynnwood Rd, Washington, D.C. 20016.
- SCREVEN, DR. C(HANDLER) G(ARNER), b. U.S. May 23, 20; m. 49; c. 1. PSYCHOLOGY. B.A. Iowa, 47, M.A. 48, Ph.D.(exp. child psychol), 51. Asst. child welfare res. sta, Iowa, 50-51; asst. prof. PSYCHOL, Mississippi, 51-55, assoc. prof, 55-56; asst. prof, WISCONSIN, MILWAUKEE, 56-59, ASSOC. PROF, 59-, CHMN. DEPT, 61- U.S.A, 41-43. Psychol. Assn. Programmed learning; experimental psychology of motivation; operant conditioning; parent-child relations and behavior modification. Publ: Effect of nonreward and interference on variation in amplitude of an instrumental response & Effects of interference on response strength, *J. Comp. Physiol. Psychol.*; Research on running time and physical work of children under various reinforcement conditions, *Child Develop.* Address: Dept. of Psychology, University of Wisconsin, Milwaukee, Wis. 53211.
- SCRIVEN, PROF. MICHAEL (JOHN), Philos, see 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- SCROGGS, DR. CLAUD L(UCIUS), b. Hayesville, N.C, Sept. 16, 16. AGRICULTURAL ECONOMICS. B.S. Berea Col, 38; M.A. Missouri, 41; Ph.D. N.C. State Col, 49. Admin. asst. safety eng, Tenn. Valley Authority, 38-40; asst. agr. econ, N.C. State Col, 46-48; assoc. ed, South. Agriculturalist & Farm & Ranch, 48-50; agr. economist, farm credit admin. & farmer coop. serv, U.S. Dept. Agr, D.C, 50-53; consult. econ. agr. indus, 53-56; assoc. prof. agr. econ, Tennessee, 56-58; DIR. ECON. RES. SOUTH. STATES COOP. INC, 58- U.S.A, 42-46. Agr. Econ. Assn; Mkt. Assn. Economic problems of business operations and membership relations of farmers' cooperatives. Publ: Co-ed, Agricultural cooperation: selected readings. Address: Southern States Cooperative, Inc, Seventh & Main, Richmond, Va. 23213.
- SCUDDER, DR. CHARLES LEE, Psychopharmacol, see 11th ed, Phys. & Biol. Vols.

SCUDDER, PROF. RICHARD F(OWLER), b. Lincoln County, Ky, Mar. 8, 12; m. 40; c. 2. SOCIOLOGY. A.B., Georgetown Col, 34; M.A., George Peabody Col, 39; Indiana, 46; Ph.D.(sociol), Kentucky, 54. PROF. SOCIOL, GEORGETOWN COL, 42- U.S.A., 44-46. Sociol. Asn; Rural Sociol. Soc. Community. Publ: Co-auth, Being known and status rating, Soc. & Social Res; Range of acquaintance and of repute as factors in prestige rating methods of studying social status & Migration and vertical occupational mobility. Address: 713 S. Hamilton St, Georgetown, Ky, 40324.

SCUDDER, DR. THAYER, b. New Haven, Conn, Aug. 4, 30; m. 50; c. 2. SOCIAL ANTHROPOLOGY. A.B., Harvard, 52, Danforth Found. fel. & Ph.D. (anthrop), 60; Yale, 53-54. Technologist, U.S. Qm. Climatic Res. Lab, 52-53; res. officer, cultural ecology, Rhodes-Livingstone Inst. Soc. Res, 56-57; Soc. Sci. Res. Coun. fel, London Sch. Econ, 60-61; asst. prof. soc. anthrop, American Univ. Cairo, 61-62; res. officer, Rhodes-Livingstone Inst. Soc. Res, Lusaka, N.Rhodesia, 62-63; res. fel, Center Mid. East. Studies, Harvard, 63-64; asst. prof. ANTHROP, CALIF. INST. TECH, 64-66, ASSOC. PROF, 66- Consult, Int. Bank Reconstruct. & Develop, 64-66; Nat. Acad. Sci, 65; Ford Found, 65; Food & Agr. Orgn. UN, 66 & 67. Mem. cmt. develop. African water resources, Nat. Acad. Sci, 66- Anthrop. Asn; Soc. Appl. Anthropol. Regional development and population relocation; social change in rural and urban contexts; long-term studies of human societies; cultural ecology. Publ: Ecology of the Gwembe Tonga, In: Kariba studies, Vol. II, Manchester Univ, 62; contrib, The next ninety years, Calif. Inst. Tech, 67; auth, The Kariba case: manmade lakes and resource development in Africa, Bull. Atomic Scientists, 12/65. Address: Division of Humanities & Social Sciences, California Institute of Technology, Pasadena, Calif. 91109.

SCULLY, PROF. CHARLES J(OHN), Statist, see 10th ed, Soc. & Behav. Vols.

SEABURY, PROF. PAUL, b. Hempstead, N.Y., May 6, 23; m. 50; c. 2. POLITICAL SCIENCE. B.A., Swarthmore Col, 46; Ph.D.(polit. sci), Columbia, 53. From asst. prof. to assoc. prof. POLIT. SCI, CALIFORNIA, BERKELEY, 53-67, PROF, 67- Vis. fel, center int. studies, Princeton, 56; vis. prof, Hamline Col, 57; vis. res. prof. & Guggenheim fel, Brookings Inst, 61-62; res. scholar, center int. affairs, Harvard, 65-66; provost, California, Santa Cruz, 66-67. Consult, U.S. Dept. State, 66- Chmn. nat. exec. cmt, Americans for Democratic Action; Mem. Coun. For. Rels, 67- Bancroft prize, Columbia, 64. Polit. Sci. Asn. International relations; Western-Central European politics; American foreign policy. Publ: The Wilhelmstrasse, a study of German diplomats under the Nazi Regime; Power, freedom and diplomacy, Random, 63; The rise and decline of the Cold War, Basic Books, 67. Address: 210 Barrows Hall, University of California, Berkeley, Calif. 94720.

SEAFORD, H(ENRY) WADE, JR, b. Washington, D.C., Oct. 23, 22; m. 46; c. 3. ANTHROPOLOGY. A.B., Wheaton Col, 46; Escuela Nacional de Antropología e Historia, México, 48-51; A.M., Harvard, 54. Asst. bio-mech, Tufts, 55-57, dir. anthrop. surv, 57-58; INSTR. SOCIOL. & ANTHROP, Northeastern, 59-61; DICKINSON COL, 61- Anthrop. Asn; Asn. Phys. Anthrop. Latin American and East Asian ethnology. Publ: Observaciones preliminares de los ritos funerarios chochos; Comments on the photometric system, Am. J. Phys. Anthrop; Un breve resumen de la economía chocha, In: Huastecos, totonacos y sus vecinos. Address: Dept. of Sociology & Anthropology, Dickinson College, Carlisle, Pa. 17013.

SEAGLE, PROF. GLADYS INEZ, b. Lincoln Co, N.C., Jan. 17, 19. SOCIOLOGY, ANTHROPOLOGY. A.B., Lenoir Rhyne Col, 39; M.R.E., N.Y. Theol. Sem, 46; Ph.D., N.Y. Univ, 63. Asst. prof. relig. & sociol, Lenoir Rhyne Col, 47-61; PROF. SOCIOL. & HEAD DEPT, Newberry Col, 63-64; Capital Univ, 64-67; LENOIR RHYNE COL, 67- Vis. assoc. prof, N.Y. Univ, 61-63, vis. prof, summer 67; Nat. Sci. Found. summer fel. anthrop, Oregon, 63. Job Corps inspector, Off. Econ. Opportunity, 67. Ed. community sect, Nat. Asn. For. Student Adv, 63 & 67-68. Del. Int. Conf. Soc. Work, Tokyo, 59; dir. pilot proj, bd. col. ed, Lutheran Church Am, N.Y. & Phila, summer, 66; submts, Govt. Cmts, Ohio, 66-67. W.A.C., A.U.S., 42, 2nd Lt. Sociol. Asn; Acad. Polit. and Soc. Sci. The role of professional women; social theory; cultural anthropology; sociology of occupations; juvenile delinquency. Address: 312 S. Rhyne, Lincoln, N.C. 28092.

SEAGLE, DR. JOHN PETERS, b. New York, N.Y., July 21, 33; m. 63; c. 1. BUSINESS ADMINISTRATION. S.B., Mass. Inst. Tech, 55; M.B.A., Stanford, 64, Allied Chem. Corp. fel, 64-65, Ford Found. fel, 65-66, M.S., 66, Ph.D. (bus. admin), 67. Engr. Dravo Corp, 55, 58-62; lectr. MGT. SCI, STATE UNIV. N.Y. BUFFALO, 66-67, ASST. PROF, 67- C.Eng., U.S.A., 55-57, Res. Capt. Soc. Civil Eng; Inst. Mgt. Sci; Oper. Res. Soc. Am. Business administration; management science; operations research. Address: Dept. of Management Science, State University of New York at Buffalo School of Business Administration, Buffalo, N.Y. 14214.

SEAGO, PROF. DOROTHY W(ILSON), b. New Orleans, La., July 27, 99. PSYCHOLOGY. B.A., Tulane, 20, fel, 20-21; Columbia, 21-22; Ph.D.(psychol), Hopkins, 24. Asst. psychol, Hopkins, 22-24; psychologist, Voc. Serv. for Jrs, N.Y., 24-25; assoc. prof. psychol, Hollins Col, 25-29; N.C. Col. Women, 29-31; asst. prof. NEWCOMB COL, TULANE, 31-36, PROF. PSYCHOL. & HEAD DEPT. & PROF. GRAD. SCH, 36-, JOHN MADISON FLETCHER PROF, 64- Dipl. Am. Bd. Exam. Prfnl. Psychol. Psychol. Asn; fel. Soc. Res. Child Develop. Developmental and clinical psychology. Address: Dept. of Psychology, Newcomb College, Tulane University, New Orleans, La. 70118.

SEAGOE, PROF. MAY V(IOLET), b. Pomona, Calif, Feb. 17, 06; div; c. 2. EDUCATIONAL PSYCHOLOGY. B.Ed., California, Los Angeles, 29; M.A., Stanford, 31, Ph.D., 34. Teacher, pub. schs, Calif, 25-28, counsr, 28-31, spec. adv, 31-34; from instr. to PROF. ED. PSYCHOL, CALIFORNIA, LOS ANGELES, 34- Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn. Child development; individual differences; counseling; teacher selection; educational prognosis. Publ: Teacher's guide to the learning process; Yesterday was Tuesday all day and all night; The story of a unique education. Address: School of Education, University of California, Los Angeles, Calif. 90024.

SEAGRAVES, DR. J(AMES) A(RTHUR), b. Oregon City, Ore, Oct. 8, 28; m. 51; c. 5. ECONOMICS. B.A., Reed Col, 51; M.S., Iowa State Col, 52, Ph.D., 56. Asst. prof. ECON, N.C. STATE, 56-60, ASSOC. PROF, 60- Vis. prof, Agrarian Univ, Peru, 65-67. U.S.A., 54-56. Econ. Asn; Agr. Econ. Asn. Government policies, especially natural resources, production economics and statistics. Publ: Economic aspects of broiler production density; 'The cost of the wrong decision' as a tool in production economics research; A functional theory of distribution, In: Extractive resources and taxation, Univ. Wisconsin, 66. Address: Dept. of Economics, North Carolina State University, Raleigh, N.C. 27607.

SEAL, DR. HILARY LATHAM, b. Solihull, Eng, Jan. 11, 11; m. 56. MATHEMATICAL STATISTICS. B.Sc., London, 39, Ph.D., 48. Statist. officer, Brit. Admiralty, 40-42, from admin. officer to prin, civil estab. br, 42-46, head statist. br, 46-48; actuary, Nat. Life Assurance Co. of Can, 48-49; Wickenden, Morss & Assocs, Inc, N.Y., 50-51; partner, Morss & Seal, New York & New Haven, Conn, 51-65; PRES, STOCHASTIC CALCULATIONS, INC, 65-; LECTR. BIOL. STATIST, YALE, 53- Statist. adv, Good Housekeeping, Eng, 46. Chmn. bd, Meldinger & Seal, Inc, 67- Mem. Am. Pension Conf; Conf. Actuaries in Pub. Practice; Inst. Actuaries; fel, Can. Inst. Actuaries; Brazil Inst. Actuaries; Argentina Inst. Actuaries; Indian Statist. Inst. Inst. Math. Statist; Soc. Actuaries; Statist. Asn; Oper. Res. Soc; Biomet. Soc; Soc. Indust. & Appl. Math; fel. Royal Statist. Soc; German Soc. Actuaries; fel. Faculty Actuaries, Scotland; Swiss Asn. Actuaries. Experimental design; multivariate analysis; actuarial mathematics. Publ: Multivariate statistical analysis for biologists, Methuen, 64; Thomas Bayes and Abraham de Moivre, Int. Encyclop. Soc. Sci; The historical development of the Gauss linear model, Biometrika. Address: Dept. of Biology, Yale University, New Haven, Conn. 06520.

SEALE, DR. LEONARD M(ERVIN), Exp. Psychol, Appl. Statist, see 11th ed, Phys. & Biol. Vols.

SEALE, PROF. ROBERT HENRY, Forestry, see 11th ed, Phys. & Biol. Vols.

SEAMAN, DR. R(ICHARD) M(ORGAN), Sociol, see 10th ed, Soc. & Behav. Vols.

SEAQUIST, LT. COL. MAURICE RAYMOND, U.S.A.F., b. Pasadena, Calif, Dec. 29, 24; m. 47; c. 4. CLINICAL & EXPERIMENTAL PSYCHOLOGY. B.A., Pac. Lutheran Col, 49; M.A., Pacific (Calif), 50; Washington State, 50-51; Ph.D., Texas, 58. CHIEF CLIN. PSYCHOLOGIST, BIOMED. SCI CORPS, U.S. AIR FORCE HOSP, 51- U.S.A.A.F., 43-46. Psychol. Asn. Screening of personnel through psychological testing. Publ: Adaptability screening of flying personnel; Evaluation of the M.M.P.I. scale items; Test-retest reliability of the Wechsler Intelligence Scale. Address: Box 369181, Wilford Hall Hospital, Lackland Air Force Base, Tex. 78236.

SEARCY, CHANCELLOR HUBERT, b. Skipperville, Ala, July 2, 08. CONSTITUTIONAL LAW. A.B., Birmingham-South. Col, 29, LL.D., 42; A.M., Duke, 33, Ph.D., 37. Asst. registr, Birmingham-South. Col, 29-30, alumni secy, 30-32, asst. prof. polit. sci, 34-36, assoc. prof. polit. sci. & pub. rels. dir, 37-38; pres, HUNTINGDON COL, 38-68, CHANCELLOR, 68- Soc. Int. Law. Use of the congressional joint resolution in matters relating to foreign affairs. Address: Huntingdon College, Montgomery, Ala. 36106.

SEARCY, PROF. N(ELSON) DONALD, b. Lincoln, Nebr, Sept. 1, 33; m. 54; c. 2. GEOGRAPHY. B.S., Nebraska, 55, M.A., 57, Nat. Sci. Found-Nebr. Teacher Exchange Prog. fel, 65-66. Asst. prof. GEOG, KEARNEY STATE COL, 57-60, ASSOC. PROF, 60- Asn. Am. Geog; Am. Geog. Soc; Nat. Coun. Geog. Ed. Great Plains, particularly the endowed and developed agricultural and petroleum resources; conservation of resources. Publ: Co-auth, Nebraska atlas, Zimmerman, 64; auth, Nebraska, In: Book of Knowledge; Nebraska, In: Colliers Encyclopedia, 68. Address: Dept. of Geography, Kearney State College, Kearney, Nebr. 68847.

SEARING, DR. DONALD D(ENIS), b. New York, N.Y., Apr. 27, 42; m. 63; c. 1. POLITICAL SCIENCE. B.A., Mich. State, 63; Ph.D.(polit. sci), Washington (St. Louis), 67. Lectr, Washington (St. Louis), 66-67; ASST. PROF. POLIT. SCI, NORTH CAROLINA, CHAPEL HILL, 67- Polit. Sci. Asn; Sociol. Asn. Comparative politics; political theory; political change in industrialized societies; elite behavior. Publ: Co-auth, Social background variables in elite analysis, Am. Polit. Sci. Rev, 6/67; auth, Images and models of man and society in leadership theory, J. Polit, 2/69. Address: Dept. of Political Science, University of North Carolina, Chapel Hill, N.C. 27514.

SEARL, MILTON F(ORREST), b. Princeton, Ill, Feb. 9, 22; m. 49; c. 2. ECONOMICS, STATISTICS. B.S., Ill. Inst. Tech, 49. Jr. statistician, Pan Am. Petrol. Corp, 48-50, statistician, 50-55, sr. statistician, 55-59; chief econ. br, div. oper. anal. & forecasting, U.S. Atomic Energy Cmn, 59-66, CHIEF ECONOMIST, 66-68, ENERGY POLICY STAFF, OFF. SCI. & TECH. EXEC. OFF. PRESIDENT, 68- Consult, Cowles Cmn, 48. U.S.N., 42-46. Econ. Asn. Mathematics; fuel resources; mineral economics; investment and operations analysis; management techniques; energy projections; forecasting methodology. Publ: Fossil fuels in the future; co-auth, Costs of nuclear power & Energy from uranium and coal reserves. Address: 16508 Walnut Hill Rd, Gaithersburg, Md. 20760.

SEARLE, ALLAN D(AYTON), b. Passaic, N.J., May 22, 13; m. 39; c. 1. ECONOMICS, STATISTICS. B.S., Florida, 38. Examr. statist. & econ, U.S. Civil Serv. Cmn, 40-43; statistician, BUR. LABOR STATIST, U.S. DEPT. LABOR, 43-51, chief br. gen. productivity measurement, 51-58, wholesale price index br, div. prices & cost of living, 58-66, CHIEF DIV. INDUST. PRICE & PRICE INDEXES, OFF. PRICES & LIVING CONDITIONS, 66- Statist. Asn. Labor economics productivity measurement. Publ: Relationships between productivity measures; co-auth, Trends in output per man-hour and man-hours per unit, manufacturing, 1939-53; Research and development price indexes, Monthly Labor Rev, 1/66. Address: Bureau of Labor Statistics, U.S. Dept. of Labor, Washington, D.C. 20210.

SEARLE, DR. LLOYD V(ERNON), b. Craig Co, Okla, Nov. 12, 12; m. 48; c. 2. PSYCHOLOGY, ENGINEERING. A.B., California, 37, Ph.D.(psychol), 45.

Asst. & instr. psychol, California, 38-42; res. assoc. lab. sensory psychol. & physiol. Tufts Col, 42-43; asst. dir, proj, Nat. Defense Res. Cmt. N.C. & Okla, 43-45; assoc. head, eng. psychol. br, U.S. Naval Res. Lab, D.C, 46-51; chief proficiency anal. div, aircraft observer res. lab, Mather Air Force Base, Calif, 51-56; chief scientist & dir. lab, 56-58; head human eng. off, U.S. Naval Missile Center, Point Mugu, 58-61; SR. SCIENTIST, SYST. DEVELOP. CORP, SANTA MONICA, 61- Cert. appreciation, U.S. Army-Navy, 46; meritorious civilian serv. award, U.S. Air Force, 58. AAAS; fel. Am. Psychol. Assn; sr. mem. Inst. Elec. & Electronics Eng; Brit. Ergonomics Res. Soc. Structure of inherited behavior traits; human sensori-motor dynamics; perceptual factors in airborne radar display interpretation; anti-aircraft and field artillery fire control; human factors engineering of missile and astronautics systems; system engineering techniques in development of information processing systems. Address: 18201 Lassen St, Northridge, Calif. 91324.

SEARLES, DR. WARREN B, b. Amboy, Ill, Aug. 30, 02; m. 31. EDUCATIONAL PSYCHOLOGY. B.A. Iowa State Teachers Col, 26, M.A. Columbia, 33, Ed.D. (human develop), Maryland, 63. Teacher, elem. & high schs, Iowa, 26-32; pub. schs, N.Y., 33-38; instr. sci, State Univ. N.Y. Teachers Col. Fredonia, 39-42; teacher, high sch, N.Y., 42-44; instr. sci, Bennett Jr. Col, 44-48; ASSOC. PROF. psychol, Orange County Community Col, 50-64; Ed. PSYCHOL, QUEENS COL. (N.Y.), 64- AAAS; Nat. Ed. Assn; Soc. Res. Child Develop; Nat. Soc. Study Ed. Adolescent cognition in science, based on Piaget system. Address: 549 W. 123rd St, New York, N.Y. 10027.

SEARLS, DR. DONALD T (TURNER), Exp. & Math. Statist, see 11th ed, Phys. & Biol. Vols.

SEARS, DR. DAVID O'KEEFE, b. Urbana, Ill, June 24, 35; m. 61; c. 2. SOCIAL PSYCHOLOGY. B.A. Stanford, 57; Ph.D. (psychol), Yale, 61. Asst. prof. PSYCHOL, CALIFORNIA, LOS ANGELES, 61-67, ASSOC. PROF. 67- Lectr, Harvard, 67-68. Political behavior; attitude change; public opinion. Publ: Co-auth, Public opinion, Prentice-Hall, 64. Address: Dept. of Psychology, University of California, Los Angeles, Calif. 90024.

SEARS, PROF. G (LENN) ALDEN, b. Ludlow, Vt, Sept. 16, 24; m. 46; c. 3. ECONOMICS. B.A. Bates Col, 46; M.A. N.Y. Univ, 48, Ph.D. 57. Instr. ECON, N.J. Col. for Women, 48-49; asst. prof, MORAVIAN COL, 49-55, assoc. prof, 55-57, PROF, 57-; HEAD DEPT. ECON. & BUS. ADMIN, 56- Econ. Assn; Tax Inst; Nat. Tax Assn. Public finance. Publ: Incidence profiles of a real estate tax and earned income tax, Nat. Tax J, 12/64. Address: Dept. of Economics & Business Administration, Moravian College, Bethlehem, Pa. 18018.

SEARS, PROF. PAULINE S (NEDDEN), b. Fairlee, Vt, July 5, 08; m. 32; c. 2. PSYCHOLOGY. A.B. Stanford, 30; M.A. Columbia, 31; Ph.D. (psychol), Yale, 39. Clin. instr. PSYCHOL, sch. med, Yale, 39-42; fel, Iowa, 42-49; res. assoc, Harvard, 49-53; asst. prof, STANFORD, 53-58, PROF, 58- Clin. psychologist, Bridgeport Ment. Hyg. Soc; Family and Children's Center, Conn. Fel. Psychol. Assn. Personality development of children. Address: School of Education, Stanford University, Stanford, Calif. 94305.

SEARS, DR. RICHARD, Psychol, see 10th ed, Soc. & Behav. Vols.

SEARS, DEAN ROBERT R (ICHARDSON), b. Palo Alto, Calif, Aug. 31, 08; m. 32; c. 2. PSYCHOLOGY. A.B. Stanford, 29; Blossom fel, Yale, 31-32, Ph.D. (psychol), 32; hon. M.A. Harvard, 50. Instr. psychol, Illinois, 32-35, assoc. 35-36; asst. prof, Yale, 36-42, assoc. prof, 42, asst. inst. human rels, 36-37; prof. child psychol. & dir. child welfare sta, Iowa, 42-49; prof. ed. & child psychol. & dir. lab. human develop, Harvard, 49-53; prof. psychol. & exec. head dept, STANFORD, 53-61, DEAN SCH. HUMANITIES & SCI, 61- Clin. psychologist, Inst. Juvenile Res, Ill, 32-36; lectr, Wesleyan, 36-37. Consult, U.S. Children's Bur, 48-51; Nat. Inst. Ment. Health, 49- Trustee, Center Adv. Study Behav. Sci, 52- Chmn. cmt. child develop, Nat. Res. Coun. & Soc. Sci. Res. Coun. Civilian with Off. Sci. Res. & Develop; Nat. Defense Res. Cmt. Fel. Psychol. Assn. (pres, 50-51); Soc. Res. Child Develop; Soc. Exp. Psychol; Am. Acad. Arts & Sci; Philos. Soc. Conditioned reflexes; personality development; parent-child relations; psychoanalysis. Publ: Co-auth, Frustration and aggression, Yale, 39, Patterns of child rearing, Harper, 57 & Identification and child rearing, Stanford, 65. Address: Dept. of Psychology, Stanford University, Stanford, Calif. 94305.

SEARS, DR. WILLIAM H (ULSE), b. Valley Stream, N.Y., Dec. 17, 20; m. 46; c. 3. ARCHAEOLOGY. A.M. Chicago, 47; fel. & Ph.D. (anthrop), Michigan, 50. Asst. prof. anthrop, Georgia, 48-54; spec. lectr, Hofstra Col. 54-55; asst. curator soc. sci, State Mus. Fla, 55-58, assoc. curator, 58-64; PROF. ANTHROP. & CHMN. DEPT, FLORIDA ATLANTIC, 64- Consult, U.S. Nat. Park Serv, 60; U.S. Nat. Mus, 61. Asst. ed, Am. Antiq, 56-58. U.S.M.C, 42-45. Fel. Anthropol. Assn; Soc. Am. Archaeol. (1st v. pres, 56). Archaeology of eastern United States, especially the Southeast. Publ: Co-auth, Prehistoric man in the New World, Univ. Chicago, 64. Address: Dept. of Anthropology, Florida Atlantic University, Boca Raton, Fla. 33432.

SEASHORE, DR. CHARLES NORMAN (HOLMES), b. Eugene, Ore, June 19, 32; m. 62; c. 1. SOCIAL PSYCHOLOGY. B.A. Colorado, 54, M.A. 56; Ph.D. (soc. psychol), Michigan, 61. Res. asst. psychol, Michigan, 56-60; lectr, Utah, 60-62; RES. DIR, INST. APPL. BEHAV. SCI, NAT. TRAINING LABS, 62- Psychol. Assn; Soc. Psychol. Study Social Issues; Soc. Training & Develop. Small group and organization development; human relations training; adult education. Address: Institute for Applied Behavioral Science, National Training Labs, 1201 16th St, N.W., Washington, D.C. 20036.

SEASHORE, DR. HAROLD (GUSTAV), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 65.

SEASHORE, PROF. STANLEY E (MANUEL), b. Swedeburg, Nebr, Sept. 4, 15; m. 40; c. 2. PSYCHOLOGY. B.A. Iowa, 37; M.A. Minnesota, 39; Ph.D. (soc. psychol), Michigan, 54. Asst. to dir. personnel div, Carnegie Ill. Steel Corp, 39-55; study dir. surv. res. center, MICHIGAN, 50-52, asst. prof. PSYCHOL, 53-57, assoc. prof, 57-63, PROF, 63-, ASST. DIR. INST. SOC. RES, 64-,

asst. to dir, 53-60, prog. dir, 60-64. Fulbright res. fel, 57-58; Guggenheim fel, 65-66. Staff consult, A.T. Kearney & Co, 46-50. Fel. Psychol. Assn; fel. Assn. Appl. Anthropol. Survey research methods; social psychology of organization administration; personnel psychology. Publ: Co-auth, Changing the structure and functioning of an organization, Inst. Soc. Res, 63; Management by participation, Harper, 67; auth, Group cohesiveness in the industrial work group. Address: Institute for Social Research, University of Michigan, Ann Arbor, Mich. 48106.

SEASTONE, DR. DON A, b. Englewood, Colo, Aug. 16, 26; m. 47; c. 1. ECONOMICS. B.A. Denver, 49, M.A. 50; Ph.D. (econ), Oregon, 54. Instr. ECON, Bates Col, 53-55; asst. prof, Humboldt State Col, 55-56; asst. prof, Denver, 56-59; from asst. prof. to prof, Colorado State, 59-67; RESOURCES POLICY ANALYST, PUB. LAND LAW REV. CMN, 67- U.S.N., 44-46. Econ. Assn; Nat. Tax Assn. Public finance; regional analysis; resource economics. Publ: Economic base study of Mesa County, Colorado, 67; Economic analysis of state aid to school districts in Colorado, Colo. State Univ, 67; Resource transfers and economic externalities in the public sector, Proc. Nat. Tax Assn, 66. Address: Public Land Law Review Commission, 1730 K St. N.W., Washington, D.C. 20006.

SEATON, DR. J (AMES) KIRK, b. Almont, Mich, Sept. 28, 05; m. 26; c. 2. PSYCHOLOGY. A.B. East Mich. Col, 29; M.A. Columbia, 32, fel, 37, Ph.D. 48. Teacher & guid, counsr, Bd. Ed, 27-40, psychologist & supvr. spec. ed, 40-49, dir. div. guid. & spec. serv, 49-54, div. personnel & spec. ed, 54-60; sch. psychol, STATE DEPT. ED, 60-66, DIR. CENTER PSYCHOSOCIAL STUDIES, 66- Psychol. Assn; Nat. Coun. Measurement in Ed. Personnel selection problems for teachers; effect of classroom procedures on the personality adjustment of pupils. Publ: Projective experiment using incomplete stories with multiple-choice endings, Genetic Psychol. Monogr. Address: New Jersey State Dept. of Education, Trenton, N.J. 08625.

SEATON, DR. J (OHN) T (HOMAS), b. Clarksville, Ohio, Nov. 13, 98; m. 23; c. 3. CLINICAL PSYCHOLOGY. B.S. Miami (Ohio), 23; M.A. Ohio State, 25. Ph.D. (ed. & clin. psychol), 29. Prin. high sch, Ohio, 23-25; asst. psychol, Ohio State, 25-26, 28-29; instr, Pittsburgh, 25-28; prof, Defiance Col, 29-33; dir, Marysville Jr. Col, 34-35; supvr. emergency ed. & consult. psychologist, pub. schs, Ohio, 35-37; clin. psychologist, Child Welfare Serv, 38-40; Muskingum Col. Br, State Bur. Juvenile Res, 38-56; chief psychologist, Muskingum Valley Guid. Center, Ohio, 56-62; consult. psychologist, Zanesville City & Muskingum County Schools, 62-67; CONSULT. PSYCHOL-OGIST, 67- Assoc. prof, Muskingum Col, 45-56. Dipl. Am. Bd. Exam. Prnl. Psychol, 56. Fel. Psychol. Assn. Address: 201 Lakeside Dr, New Concord, Ohio 43762.

SEATON, DR. RICHARD W (ALLACE), b. New York, N.Y., July 10, 23; m. 51; c. 3. SOCIAL PSYCHOLOGY. B.A. Columbia, 47; London Sch. Econ, 51-55, Ph.D. (sociol), Chicago, 62. Coding supvr. mkt. surv, Audience Res. Inst, Gallup Orgn, 46-48; mkt. researcher, Young & Rubicam, 48-49; mkt. analyst wines, Calif. Vineyards Assn, Schenley Corp, 50-51; psychologist exp. & physiol. psychol, Qm. Food & Container Inst. Armed Forces, 55-59, soc. psychologist, 59-61; psychologist, Stanford Res. Inst, 61-65; assoc. prof. mgt, Naval Postgrad. Sch, 65-66; LECTR. BEHAV. SCI. IN ARCHIT, CALIFORNIA, BERKELEY, 66- Staff consult, Field Res. Corp, San Francisco, 63- U.S.A., 43-46, Sgt. Fel. Sociol. Assn; Psychol. Assn; N.Y. Acad. Sci. Survey methods; psychometrics; attitude change; subjective correlates of stress; small group structure; environmental psychology, especially behavior in offices and neighborhoods; management psychology. Publ: Acceptance measurement of unusual foods, Food Res, 12/59; Deterioration of military work groups under deprivation stress, In: The new military. Russell Sage, 64. Address: Dept. of Architecture, University of California, Berkeley, Calif. 94720.

SEAYER, PROF. S (TANLEY) K (ILBOURNE), b. Bertha, Minn, July 17, 16. AGRICULTURAL ECONOMICS. B.S. Minnesota, 40; M.S. Connecticut, 42; Ph.D. Chicago, 55; California, 58-59. Asst. prof. AGR. ECON, CONNECTICUT, 42-45, 46-50, assoc. prof. 50-56, PROF, 56- Vis. prof, Florida, 67. Consult, state exp. sta. div, U.S. Dept. Agr; mem, Nat. Interregional Price Policy Cmt, 56-59. Agr. Econ. Assn. Interregional competition in poultry marketing; imperfect competition in the food industry; economic development in underdeveloped areas. Address: Dept. of Agricultural Economics, University of Connecticut, Storrs, Conn. 06268.

SEAWALL, PROF. FRANK, b. Duluth, Minn, Jan. 24, 27. GEOGRAPHY. B.A. Minnesota, 49, M.A. 51; Int. Geog. Cong. fel, Pa. State, 52, Ph.D. (geog), 57. Asst. GEOG, Pa. State, 51-53, instr, 53-57; asst. prof. Ohio State, 57-62, assoc. prof, 62-66; PROF. CENTRAL MICHIGAN, 66- Develop. Fund. res. grant, 64-66. Summers, vis. lectr, Victoria Col. (B.C.), 59, 61, vis. prof, Manitoba, 62, Idaho, 66, Portland State, 67. Consult, ed, Groliers Inc, 63-; consult, Consol. Am. Serv, 65-66. U.S.N., 43-46, Lt. (jg). Assn. Am. Geog. Regional Sci. Assn. Transportation geography, especially water, urban geography; resource assessment. Publ: Co-auth, Coal traffic on the Ohio River System, Bur. Bus. Res, Ohio State, 62; auth, A quality grading system, Col. & Univ, 67; Recent developments in the Mexican Sulphur industry, J. Trop. Geog, 61. Address: Dept. of Geography, Central Michigan University, Mt. Pleasant, Mich. 48858.

SEAY, DR. BILLY M, b. Bismarck, Ark, Nov. 4, 38; m. 59; c. 1. PSYCHOLOGY. B.A. South. State Col, 60; Woodrow Wilson fel, Wisconsin, 60, M.S. 62, Nat. Inst. Ment. Health fel, 63-64, Ph.D. (psychol), 64. Instr. PSYCHOL, LA. STATE, 64-65, asst. prof, 65-67, ASSOC. PROF, 67- Nat. Sci. Found. res. grant, 66-68. Nat. Guard, 57-65, S/Sgt. AAAS; Psychol. Assn. Social behavior and infant development in primates; effects of environmental manipulation on social behavior in primate infants; maternal behavior in primates. Publ: Co-auth, Maternal behavior of socially-deprived rhesus monkeys, J. Abnorm. & Soc. Psychol, 64 & Maternal separation in monkeys, J. Nervous & Ment. Diseases, 65; auth, Maternal behavior in primate monkeys and multiparous rhesus monkeys, Folia Primatologica, 66. Address: Dept. of Psychology, Louisiana State University, Baton Rouge, La. 70803.

SEAY, PRES. EDWARD W, b. Rockvale, Tenn, Nov. 20, 10; m. 41; c. 1. ECONOMIC. B.S. George Peabody Col, 34, M.A. 35; hon. Ped.D. W.Va. Wesleyan Col, 51; LL.D. Tenn. Wesleyan Col, 58. Assoc. headmaster & master Eng. Morgan Sch. for Boys, Tenn, 36-37; dean of instr. econ, Pfeiffer Jr. Col, 37-39; pres. Wood Jr. Col, 39-43; assoc. prof. econ. & dir. admissions, Knox Col, 43-48; PRES. CENTENARY COL. FOR WOMEN, 48- Econ. Asn; Acad. Polit. & Soc. Sci. Publ: State and foreign sales tax. Address: Centenary College for Women, Hackettstown, N.J. 07840.

SEBALD, DR. HANS, b. Selb, W.Germany, Feb. 22, 29; U.S. citizen; m. 66. SOCIOLOGY. B.A. Manchester Col, 58; M.Sc. Ohio State, 59, Ph.D.(sociol), 63. Instr. SOCIOL, Ohio State, 62-63; asst. prof. ARIZONA STATE, 63-67, ASSOC. PROF, 67- Summers, Lisle fel, Jamaica, 61, lectr, Manitoba, 65, vis. prof, Nevada Southern, 67. Ed. Int. Student, Ohio State Univ, 61-62. AAAS; Sociol. Asn; Nat. Coun. Family Rels. Adolescent problems, especially teenage drug abuse, marriage and delinquency; cross-cultural comparisons of adolescent problems. Publ: Adolescence: a sociological analysis, Appleton, 68; Studying national character through comparative content analysis, Soc. Forces, 5/62; Limitations of communication: mechanisms of image maintenance, J. Commun, 9/62. Address: Dept. of Sociology, Arizona State University, Tempe, Ariz. 85281.

SEBEOK, PROF. THOMAS A(LBERT), b. Budapest, Hungary, Nov. 9, 20; nat; m. 47; c. 1. LINGUISTICS, ANTHROPOLOGY. B.A. Chicago, 41; M.A. Princeton, 43, Ph.D. 45. DISTINGUISHED PROF. LING, PROF. ANTHROP. & URALIC & ALTAIC STUDIES, FEL, FOLKLORE INST, CHMN. RES. CENTER LANG. SCI. & DIR. HUMAN RELS. AREA FILES, INDIANA, 43-, dir, Air Force Lang. Training Prog, founder & first chmn. dept. Uralic & Altaic Studies & first dir, Uralic & Altaic Lang. & Area Center, 43-53. Mem. faculty, ling. inst, Ling. Soc. Am, 45, 52, 53, 58, 64 & 68, asst. dir, 52-53, assoc. dir, 58, dir, 64; vis. prof, Michigan, 45 & 58; Puerto Rico, 49; New Mexico, 53; Arizona, 58-59; Vienna, 63; Besancon, 65; Hamburg, 66; Bucharest, 67; Nat. Acad. Sci. exchange prof, Acad. Soviet Repub. Rumania, 67; Illinois, 68. Fels. Am. Coun. Learned Socs, 43-45, Guggenheim Mem. Found, 58-59 & Center Adv. Study Behav. Sci, 60-61 & 66-67; Fulbright res. grant, Germany, 66; Nat. Sci. Found. sr. fel, California, Berkeley & Center Adv. Study Behav. Sci, 66-67; res. grants, Am. Philos. Soc. Am. Coun. Learned Socs, Wenner-Gren. Found. Anthropol. Res. & various fed. agencies; guest, Acad. Sci, East Berlin, Poland, Czech, Hungary & Rumania. Consult, Guggenheim Found, Ford Found, U.S. Off. Ed. Nat. Sci. Found. & fel. div, Nat. Acad. Sci. Ed, Ural-Altaische Jahrbücher, 62- Mem. cmt. ling. & psychol, Soc. Sci. Res. Coun, 51-58; chmn, Cmt. Ling. Info, 60-63; Am. Anthropol. Asn. del. Am. Coun. Learned Socs, mem. Cmt. Uralic & Altaic Studies, 59-; mem. cmts, Nat. Acad. Sci-Nat. Res. Coun; ling. panel, Nat. Endowment for Humanities, 66-67. AAAS; fel. Anthropol. Asn; fel. Folklore Soc. ed. mem. series, 45-50 & Jour, 54-58; Ling. Soc. Am; Mod. Lang. Asn; Asn. Mach. Transl. & Comput. Ling; Animal Behav. Soc. Uralic linguistics, ethnology and folklore; psycholinguistics; use of computers in linguistic and literary analysis; animal communication. Publ: Ed, Animal communication: techniques of study and results of research, Indiana Univ, 68; co-ed, Approaches to animal communication, Mouton, Netherlands, 68; ed, Current trends in linguistics, Vols. 1-13, Mouton & Co, The Hague. Address: Research Center for the Language Sciences, Indiana University, Patton House, 516 E. Sixth St, Bloomington, Ind. 47401.

SEBOR, PROF. MILOS M, b. Zbiroh, Czech, Sept. 3, 11; nat; m. 36. GEOGRAPHY, CITY PLANNING. B.S. State Col, Prague, Czech, 30; Iur. Dr, Charles Univ, Prague, 36; M.A. McGill, 55. Head res. div, hq. State Security Forces, Czech, 45-48; geogr, Lutetia Press, France, 48-53; geogr. br, Dept. Mines & Tech. Surv, Can, 55-56; lectr. geogr, Ottawa, 56; instr, Spring Hill Col, 56-57; for. map analyst, La. State Univ, 57-58; proj. planner, City & Indust. Planners, Inc, La, 58; assoc. prof. geogr, Tennessee Tech, 58-67; geol. & geogr, Weber State Col, 67-68, PROF, 68; GEOG, GRAD. SCH, EASTERN KENTUCKY, 68- Sr. planner, Tenn. State Planning Cmn, 62-66. Vis. prof, Miami (Fla), 65. Del. & reporter, Interpol, Paris, 46-48. Czech. Army, 43-45, Capt. Asn. Am. Geogr; Am. Inst. Planners; Geogr. Soc. Am; Czech. Soc. Arts & Sci. Am. Planning, cartography; quantitative methods; coastal forms and related urban pattern in Ireland and Norway. Publ: Study of geography in the intelligence service, Joint Intel. Bur; Problem of nature of cartography, Rev. Canadienne Géographique; Planning land locked cities, Tenn. Planner, 8/67. Address: Dept. of Geography & Geology, Eastern Kentucky University, Richmond, Ky. 40475.

SEBRING, JACK, Econ, see 10th ed, Soc. & Behav. Vols.

SECHER, PROF. HERBERT P(ERRE), b. Vienna, Austria, May 8, 24; nat; m. 67; c. 2. POLITICAL SCIENCE. Ph.D. Wisconsin, 54. Instr, Maryland, 52-54; CASE WESTERN RESERVE, 54-55, asst. prof. POLIT. SCI, 55-62, assoc. prof, 62-64, PROF, 64- Fulbright res. prof, Vienna, 56-57; vis. lectr, Wisconsin, 62; Soc. Sci. Res. Coun. faculty fel, 62-63; Am. Philos. Soc. fel, 62-63; Am. Soc. Mid. East Studies fel, 65-66; Rockefeller Found. fel, 66-67. Polit. Sci. Asn. Comparative government; political theory; civil-military relations; ideology of military leadership. Publ: Contrib. Contemporary ideologies; trans. & ed, Max Weber, basic concepts of sociology; auth, Controlling the new German military elite: the political role of the Parliamentary Defense Commissioner in the Federal Republic, Proc. Am. Philos. Soc, 4/65. Address: 10850 Shaker Blvd, Cleveland, Ohio 44104.

SECHREST, DR. LEE (BURTON), b. Kansas City, Mo, Jan. 1, 29; m. 49; c. 3. CLINICAL PSYCHOLOGY. B.A. Ohio State, 52, M.A. 54, Ph.D. 56. ASST. PROF. PSYCHOL, Pa. State, 56-58; NORTHWESTERN, 58- Sr. specialist, inst. adv. proj, East-West Center, 65-66. Consult, Vet. Admin, 57- U.S.M.C., 46-47, 50-51. Am. Psychol. Asn; Psychomet. Soc; Int. Coun. Psychol. Culture and personality; ecology and behavior; behavior change. Publ: Co-auth, Psychotherapy and the psychology of behavior change, Wiley, 66; Unobtrusive measures, Rand McNally, 66; Psychology and human problems, C.E. Merrill, 67. Address: Dept. of Psychology, Northwestern University, Evanston, Ill. 60201.

SECKLER, DR. DAVID W, b. Sterling, Colo, Feb. 19, 35. ECONOMICS. B.A. Denver, 57, M.A. 58; Ph.D.(econ), London Sch. Econ, 62. Asst. prof. econ, Colorado State, 63-67, assoc. prof, 67-68; ACTING ASSOC. PROF. AGR.

ECON, CALIFORNIA, BERKELEY, 68- Consult, Secklen Feedyards, Inc, 63- Econ. Asn. General economic theory; theory of economic development; natural resource economics. Publ: On the uses and abuses of economic science in the evaluation of public outdoor recreation, Land Econ, 11/66; co-auth, Toward the application of dynamic growth theory to regions, J. Regional Sci, 10/67; auth, The naive of John R. Commons, West. Econ. J, Summer 67. Address: Dept. of Agricultural Economics, University of California, Berkeley, Calif. 94720.

SECKLER-HUDSON, DEAN CATHERYN, Polit. Sci, Pub. Admin, see 10th ed, Soc. & Behav. Vols, deceased 63.

SECORD, PROF. PAUL F(RANK), b. Chicago, Ill, Jan. 19, 17; m. 47; c. 2. PSYCHOLOGY. B.A. Ripon Col, 42; M.A. Stanford, 48, Ph.D.(psychol), 50. Asst. prof. PSYCHOL, Emory, 49-55; assoc. prof. NEVADA, 55-61, CHMN. DEPT, 56-, PROF, 61-, SOCIOL. & ANTHROP, 65- Res. consult, U.S. Dept. Army, 53; State Dept. Pub. Health, Ala, 54, Ga, 55; crew res. lab, Stead Air Force Base, 55- U.S.A., 43-46. Psychol. Asn; Sociol. Asn. Social perception and psychology; personality. Publ: Co-auth, Social psychology, Problems in social psychology & A social psychological view of education. Address: Dept. of Psychology & Sociology, University of Nevada, Reno, Nev. 89507.

SEDA BONILLA, DR. EDUARDO, b. Cabo Rojo, P.R., July 13, 27; m. 55; c. 4. ANTHROPOLOGY. B.A. Puerto Rico, 48; M.A. City Col. New York, 50; John Hay Whitney Found. fel, Columbia, 53-55, univ. fel, 55-56, Ph.D. (anthrop, sociol), 57. Asst. prof. anthrop, PUERTO RICO, 57-61, ASSOC. PROF, 61-, chmn. dept. soc. sci, faculty Gen. Studies, 61-63. Vis. scholar, Inst. Latin Am. Studies, Columbia, 63-64; vis. assoc. prof, Adelphi, 64-65; N.Y. Univ, 65-67. Consult, proj. delinquency, Notre Dame-Hunter Col, 63-65; training inst, Found. Community Develop. P.R., 67- Anthropol. Asn; Sociol. Asn; Ethnol. Soc. Psychotherapy; civil rights, race relations and community study emphasizing social change; social psychiatry. Publ: Los Derechos civiles en la cultura Puertorriqueña, Editorial Universitaria, Rio Piedras, 63; Interaccion social y personalidad en una comunidad de Puerto Rico, Editorial Ponce de Leon, San Juan, 64; Social structure and race relations, Soc. Forces, 12/61. Address: Social Science Research Center, University of Puerto Rico, Rio Piedras, P.R. 00931.

SEDELOW, DR. SALLY YEATES, Eng, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

SEDELOW, DEAN WALTER A(LFRED), JR, Hist, Sociol, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SEDGWICK, DR. ALEXANDER, Mod. European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SEDGWICK, DR. ROBERT C(HARLES), b. Chicago, Ill, Aug. 24, 10; m. 40; c. 4. ECONOMICS. A.B. Syracuse, 36, A.M. 39, Ph.D. 52. Instr. ECON, SYRACUSE, 37-41, 43-51, asst. prof, 52-56, ASSOC. PROF, 56- Lectr, Chicago, 43; asst. dir, Onondaga County Dept. Res. & Develop, 54-59; dir. leadership training sch. & res, Metrop. Coop. Milk Producers Bargaining Agency, Inc, 56- Econ. Asn; Soc. Pub. Admin. Industrial relations; labor legislation and government policy. Publ: Development of American government and economy; Dairy farming in the New York State economy; co-auth, Labor economics and problems at mid-century. Address: Dept. of Economics, Syracuse University, Syracuse, N.Y. 13210.

SEDRANSK, DR. JOSEPH H(ENRY), b. New York, N.Y., Mar. 3, 38; m. 67. STATISTICS. B.S. Pennsylvania, 58; fel, Harvard, 59-62, Ph.D.(statist), 64. Asst. prof. STATIST, IOWA STATE, 63-68, ASSOC. PROF, 66- Inst. Math. Statist; Statist. Asn. Theory of survey sampling especially the design and analysis of analytical surveys; general problems in statistical inference including conditional properties of statistical procedures, and foundations of statistics. Publ: Analytical surveys with cluster sampling, J. Royal Statist. Soc, 65; An application of sequential sampling to analytical surveys, Biometrika, 66; Designing some multi-factor analytical studies, J. Am. Statist. Asn, 67. Address: 314 Service Bldg, Statistical Lab, Iowa State University, Ames, Iowa 50010.

SEEBER, DR. NORTON C(HARLES), b. Chicago, Ill, June 1, 26; m. 50. ECONOMIC. B.S. Colorado, 48, M.A. 51; Ford Found. fel, California, 56-57, Ph.D.(econ), 59. Instr. econ, Colorado, 48-50, mkt, 50-54; asst. econ, California, 54-55, instr. bus. admin, 55-56, 57-58; asst. prof. ECON, grad. sch. indust. admin, Carnegie Inst. Tech, 58-63; vis. prof, Kanpur Indo-Am. Prog, Indian Inst. Tech, Kanpur, 63-65; asst. prof, Carnegie Inst. Tech, 65-66; ASSOC. PROF, OAKLAND, 66- Econ. Asn; Economet. Soc. Economic growth; business fluctuations; technological change, research and development. Publ: Co-auth, Economic analysis and policy, Prentice-Hall, 66 & Workbook in economics, 68; Article, Decision-making on R&D in the business firm, Nat. Sci. Found, 2/64. Address: Dept. of Economics, Oakland University, Rochester, Mich. 48063.

SEEBERG, DR. ELIZABETH, b. Bauske, Latvia, Dec. 14, 91; nat. PSYCHOLOGY. B.A. Texas, 14; M.A. Wisconsin, 15, Ph.D.(psychol), 19. Case worker & psychologist, State Dept. Health, Minn, 17-18; clin. psychologist, Associated Charities, 20-23; psychologist in charge dept, Child Guid. Clin, Tenn, 24-27; chief psychologist, Cent. Clin, Cincinnati, Ohio, 27-30; consult, Diag. Center, U.S. Vet. Bur, 27-33; private practice, 33-42; psychologist, Valley Schs, Ohio, 42-43; Norwood Bd. Ed, 43-63; CONSULT. PSYCHOLOGIST, 63- Lectr, Minnesota, 21-24, asst, 22-23; lectr, Cincinnati Teachers Col, 28-31; clin. psychologist, Dept. Dependent Children, Hamilton County, 36-42. Psychol. Asn; Orthopsychiat. Asn. Emotional disturbances of young children. Publ: Analysis of aggression in a five-year old girl, J. Orthopsychiat. Address: 3570 Nine Mile Rd, Cincinnati, Ohio 45230.

SEECK, PROF. GEORGE C, b. Feb. 25, 98; U.S. citizen; m. 34; c. 2. PSYCHOLOGY, PHILOSOPHY. A.B. Nebr. Wesleyan, 25; S.T.B. Boston, 27, A.M. 31; Harvard, 28-29; Ph.D.(psychol), Michigan, 34. Prof. psychol, Milligan Col, 34-37; prof. ed. & dean, Athens Col, 37-42; PROF, ed, Nebr. State Teachers Col, Wayne, 42-46; PSYCHOL, Iowa State Col, 46-48; Willa-

mette, 48-50; ADRIAN COL, 50- Summers, study grants from Adrian Col, Harvard, 57 & Michigan, 64, Nat. Sci. Found. grant, 61. Psychol. Asn. Nature of learning curves, effect of training in memory, and their applications to educational practices. Address: 1234 William St, Adrian, Mich. 49221.

SEELEY, DR. BURTON D (AVIS), b. Colorado Springs, Colo, May 14, 03; m. 25; c. 2. ECONOMICS. B.S. Colo. State Col, 26, M.S. 28; Nat. Res. Coun. fel, Columbia, 28-29, Ph.D. 36. Asst. agr. economist, bur. agr. econ, U.S. Dept. Agr, 29-34, economist, fruit & veg. res. consumers' coun, 34-35, asst. dir. finance, budget officer & asst. to asst. adminstr, farm security admin, 35-38; econ. analyst, nat. health serv, U.S. Pub. Health Serv, 38-39; sr. exemptions exam, agr. & seasonal indus, U.S. Wage & Hour Admin, 39-41; fieldman, Welch Grape Juice Co, 46; FARM OPERATOR, DAIRY & FRUIT FARM, 46-; MKT. ANALYST, UPJOHN CO, 54-, consult. statist. analysis, 48-53. U.S.N. 41-46, Capt. Mkt. Asn; Statist. Asn. Multiple association analysis and experimental design and procedure; marketing pharmaceutical products, fresh fruit and vegetables. Publ: Financing crop production on the eastern shore of Virginia; Force-moment analysis, theory and methods; co-auth, Some Colorado tax problems. Address: Route 1, Paw Paw, Mich. 49079.

SEELEY, DEAN JOHN R (ONALD), b. London, Eng, Feb. 21, 13; m. 43; c. 4. SOCIOLOGY. A.B, Chicago, 42. Instr. soc. sci, Chicago, 46; exec. officer, Nat. Cmt. Ment. Hyg, Can, 46-47; assoc. soc. sci, dept. psychiat, & assoc. prof. sociol, Toronto, 47-53; exec. dir, Community Survs, Inc, 53-55; res. dir, Alcoholism Res. Found, Ont, 56-60; prof. sociol, York (Ont), 60-63, chmn. dept, 61-63, asst. to pres, 62-63; prof. sociol, Brandeis, 63-66, chmn. dept, 65-66; DEAN, CENTER STUDY DEMOCRATIC INSTs, 66- Consult, Coun. State Govts, 47-53; Coop. Cmn. on Alcoholism, 60-65; Peace Corps, 64-67; Off. Econ. Opportunity & nat. adv. cmt, Upward Bound, 65-; Center Urban Ed, 65-; State Univ. N.Y. Col. Old Westbury, 66- Fel, Center Adv. Study Behav. Sci, 64- Fel. AAAS; fel. Sociol. Asn; sci. assoc. Acad. Psychoanal; Can. Psychol. Asn; Int. Soc. Gen. Semantics. Community study; communication and mental health; philanthropy and social work; social psychology; social theory; education; youth, the university. Publ: Co-auth, Crestwood Heights & Community Chest: a case study in philanthropy, Univ. Toronto; auth, The Americanization of the unconscious, Int. Sci. Press, 67. Address: Center for the Study of Democratic Institutions, P.O. Box 4068, Santa Barbara, Calif. 93103.

SEELEY, LEONARD C (ARSON), b. Irvington, N.J., May 6, 13; m. 43; c. 2. PSYCHOLOGY. A.B, De Pauw, 36; M.A., American Univ, 58. Personnel res. supvr, Barrington Assocs, 43-46; personnel res. technician, Adj. Gen. Off, 46-47; staff assoc, Richardson, Bellows & Henry, Inc, 47-49; res. analyst, Adj. Gen. Sch, 49-51; res. psychologist, U.S. ARMY BEHAV. SCI. RES. LAB, 51-54, proj. dir, 54-64, SR. PROJ. DIR, 64- Psychol. Asn. Test construction; rating; personnel selection. Publ: Development of the Army qualification battery; Development of the officer efficiency report; Construction of three measures of instructor evaluation. Address: 4501 Sellman Rd, Beltsville, Md. 20705.

SEELEY, DEAN ALFRED L (EE), b. Syracuse, N.Y., Feb. 20, 13; m. 40. MARKETING. B.S. Syracuse, 37, M.S. 39; D.B.A., Indiana, 50. Instr. mkt. sch. bus, Kansas, 39-41, asst. prof, 41-42, 46-47, chmn. dept, 46-47; lectr, Indiana, 47-48; assoc. prof, Texas, 48-49, prof. mkt. & chmn. dept. mkt. resources, transportation & int. trade, 50-57; PROF. MKT. & DEAN COL. BUS, MICH. STATE, 57-, DEAN GRAD. SCH. BUS. ADMIN, 58- Prof, Turin, 53. Dir, Wolverine World-Wide Corp, 68- Economist, regional off, Off. Price Admin, 42-46, consult, 46; Off. Temporary Controls, 46-47; Off. Price Stabilization, 50. Mkt. Asn; Econ. Asn. Marketing legislation; sales management; industrial marketing. Publ: Fluid milk price control in the Southwest during World War II; Importance of economic theory in marketing courses, J. Mkt. Address: Graduate School of Business Administration, Michigan State University, East Lansing, Mich. 48823.

SEEMAN, PROF. JULIUS, Psychol, see 11th ed, Phys. & Biol. Vols.

SEEMAN, PROF. MELVIN, b. Baltimore, Md, Feb. 5, 18. SOCIOLOGY. B.S., Hopkins, 44; A.M., Ohio State, 45, Ph.D., 47. Instr. SOCIOL, Ohio State, 46-48, asst. prof, 48-53, assoc. prof, 53-59; CALIFORNIA, LOS ANGELES, 59-61, PROF, 61- Sociol. Asn; Soc. Study Social Probs. Social Psychology. Publ: Social status and leadership; On the meaning of alienation, Am. Sociol. Rev. Address: Dept. of Sociology, University of California, Los Angeles, Calif. 90024.

SEEMAN, PROF. WILLIAM, b. Stryj, Poland, Jan. 13, 12; nat. PSYCHOLOGY. B.S., Hopkins, 39; M.A., Columbia, 47; U.S. Pub. Health Serv. fel, Minnesota, 48-50, Ph.D. 50. Asst. psychol, Minnesota, 47-48; asst. prof, Pennsylvania, 50-51; chief psychologist, Mayo Clin, 51-55; assoc. prof. PSYCHOL, sch. med, Oklahoma, 55-58; prof, sch. med, Kansas, 58-62; PROF. CINCINNATI, 62-, SR. RES. ASSOC. PSYCHIAT. COL. MED, 62- Consult, Vet. Admin, 56-; Rollman Psychiat. Inst, 65- AAAS; Psychol. Asn. Objective investigation of psychotherapy; structured psychological tests; problems of prediction; acquisition of professional skills in psychology and psychiatry. Publ: Co-auth, Actuarial description of abnormal personality, Williams & Wilkins, 63. Address: 3609 Middleton Ave, Cincinnati, Ohio 45220.

SEGAL, DR. AARON, b. Los Angeles, Calif, Mar. 8, 38; m. 68. POLITICAL SCIENCE. B.A., Occidental Col, 59; B.Phil, Oxford, 62; Ph.D. (polit. sci), California, Berkeley, 65. Assoc. prof. POLIT. SCI, Puerto Rico, 66-67; LECTR, CALIFORNIA, BERKELEY, 68- Soc. Sci. Res. Coun. travel grant, 66; Fulbright lectr, Argentina, 68. Consult, Rand Corp, 67-68. Politics of economic integration in Africa, the Caribbean and Latin America. Publ: East Africa: strategy for economic cooperation, East African Inst, 65; Politics of Caribbean integration, Univ. Puerto Rico, 68; Massacre in Rwanda, Rahian Soc, 64. Address: Dept. of Political Science, University of California, Berkeley, Calif. 94720.

SEGAL, DR. DAVID R (OBERT), b. New York, N.Y., June 22, 41; m. 66. SOCIOLOGY. B.A., Harpur Col, 62; Nat. Inst. Ment. Health fel. & M.A., Chicago, 63; Ph.D. (sociol), 67. ASST. PROF. SOCIOL, MICHIGAN, 66- Horace H.

Rackham Faculty res. fel, summer 68. Sociol. Asn; Polit. Sci. Asn. Political sociology; military sociology; social psychology. Publ: Co-auth, Social cleavage and party affiliation, Am. J. Sociol, 5/67; auth, Classes, strata and parties in West Germany and United States, Comp. Studies Soc. & Hist, 10/67; co-auth, The reinforcement of traditional career patterns in agencies under stress, Pub. Admin. Rev, 1-2/68. Address: 1401 Jörn Court, Ann Arbor, Mich. 48104.

SEGAL, DR. ERWIN M, b. Brooklyn, N.Y., Oct. 28, 36; m. 62; c. 1. EXPERIMENTAL PSYCHOLOGY. B.S., Maryland, 57; Ph.D. (psychol), Minnesota, 62. Asst. prof. PSYCHOL, State Col. Iowa, 61-62; ARLINGTON STATE COL, 62-65, ASSOC. PROF, 65- Summer fel, Center Res. Human Learning, 66. AAAS; Psychol. Asn; Psychonomic Soc. Learning and use of linguistic structure including: the learning of grammatical rules; the mediation process; the function of transformations; relation between syntax and semantics. Address: Dept. of Psychology, Arlington State College, Arlington, Tex. 76010.

SEGAL, DR. EVALYN F (INN), b. Pittsburgh, Pa, Aug. 16, 32; m. 61. PSYCHOLOGY. A.B, Chicago, 50; B.A., Minnesota, 53, Nat. Sci. Found. fel, 53-54, Ph.D. 58; univ. fel, Pennsylvania, 55-58. Asst. verbal behav, Minnesota, 54-55; Nat. Inst. Neurol. Diseases & Blindness res. fel, Walter Reed Army Inst, 58-60; asst. prof. PSYCHOL, San Diego State Col, 60-63, assoc. prof, 63-67, prof, 67; ASSOC. PROF, ILLINOIS, CHICAGO, 68- Res. grants, Nat. Sci. Found, 61-66, 67-69 & Nat. Inst. Ment. Health, 64-66; vis. res. assoc, dept. pharmacol, Royal Col. Surgeons, London, 65-66. AAAS; Psychol. Asn; Soc. Social Responsibility in Sci; Psychonomic Soc; N.Y. Acad. Sci. Operant conditioning; secondary reinforcement; relation of concurrent physiological events to operant behavior; behavior modification; social innovation. Publ: Behavioral interaction under concurrent spaced-responding, variable-interval schedules of reinforcement, J. Exp. Anal. Behav; co-auth, Determinants of polydipsia, I-VII, 64-66 & auth, Toward empirical behavior laws: I, II: conditioned reinforcement, 65, Psychonomic Sci. Address: Dept. of Psychology, University of Illinois at Chicago Circle, Chicago, Ill. 60680.

SEGAL, DR. HARVEY H (IRST), b. Philadelphia, Pa, Sept. 22, 22; m. 49; c. 2. ECONOMICS. B.A., North Carolina, 43; Cmt. Res. Econ. Hist. fel, Columbia, 48-49, Ph.D. 56. Lectr, ECON, Columbia, 48-49; instr, Brooklyn Col, 50-51; asst. prof, Rutgers, 52-58; assoc. prof, N.Y. Univ, 58-63; ED. WRITER, WASH. POST, 62- U.S.N.R., 44-46. Econ. Asn; Royal Econ. Soc. Current economic policy; business cycles; American economic history. Publ: Co-auth, Theory and measurement of rent & Canals and American economic development. Address: 2843 Allendale Place N.W., Washington, D.C. 20008.

SEGAL, DR. JULIUS, b. Scranton, Pa, Dec. 21, 24; m. 48; c. 2. PSYCHOLOGY. B.S., Scranton, 48; M.A., Fordham, 51; Ph.D. (psychol), Catholic Univ, 52. Voc. counsr, Catholic Univ, 50-51; res. psychologist, human resources res. lab, U.S. Dept. Air Force, 51-52; opera. analyst, opera. res. off, Hopkins, 52-55; sr. res. scientist, HumRRO, George Washington, 55-59; scientist adminstr-psychologist, NAT. INST. MENT. HEALTH, 59-65, CHIEF PROG. ANAL. & EVAL, 65- Asst. prof. psychol, exten. sch, Maryland, 54; George Washington, 58-59. U.S.A. 43-45. AAAS; Psychol. Asn. Research evaluation and development; counseling psychology. Publ: Co-auth, Sleep, Coward, 66. Address: 9412 Linden Ave, Bethesda, Md. 20014.

SEGAL, PROF. MARTIN, b. Warsaw, Poland, Feb. 5, 21; nat; m. 45; c. 2. ECONOMICS. A.B., Queens Col. (N.Y.), 48; A.M., Harvard, 50, Ph.D. 53; Instr, Harvard, 53-56; economist, New York Metrop. Region Study 56-57; asst. prof, Williams Col, 57-58; DARTMOUTH COL, 58-60, assoc. prof. ECON, 61-64, PROF, 64- Lectr, Columbia, 56-57; vis. assoc. prof, Mass. Inst. Tech, 61-62. Sr. economist, Coun. Econ. Adv, 65-66. Consult, Econ. Coop. Admin, 51; subcm. antitrust & monopoly, U.S. Senate, 55-56; Dept. Commerce, 66-67. U.S.A. 42-46. Econ. Asn; Indust. Rels. Res. Asn. Labor economics; industrial organization; antitrust policy. Publ: Wages in the metropolis; co-auth, Population, labor force & unemployment in chronically depressed areas, U.S. Dept. Commerce, 64; auth, Union wage impact and market structure, Quart. J. Econ, 2/64. Address: 29 S. Park, Hanover, N.H. 03755.

SEGAL, PROF. MELVIN J (AMES), b. Winthrop, Mass, Sept. 18, 10. LABOR ECONOMICS. A.B., Amherst Col, 32; Harvard, 32-33; A.M., Illinois, 35, Ph.D. 38. Asst. prof. econ, South. Ill. Univ, 37-42; chief economist, Minimum Wage Bd, P.R., 42-43; sr. labor economist, Nat. War Labor Bd, 43-44; lectr. econ, Mass. Inst. Tech, 44; asst. prof. SOC. SCI, MICH. STATE, 45-47, assoc. prof, 47-54, PROF, 54- Am. Asn. Adv. Sci. summer fells. Consult, panel eval, Nat. Sci. Found, 65. Econ. Asn; Indust. Rels. Res. Asn; Asn. Evolutionary Econ. Labor legislation; international labor relations; governmental grievance procedures; social security; economic education. Publ: Co-auth, Problems of change and development, Mich. State, 67; auth, Economics in social science: what to read, Univ. Col. Quart, 11/67. Address: Dept. of Social Science, Michigan State University, East Lansing, Mich. 48823.

SEGAL, PAUL MANUEL, b. Jersey City, N.J., Jan. 12, 20; m. 54; c. 2. PUBLIC ADMINISTRATION, URBAN PLANNING. B.B.A., City Col. New York, 48; M.P.A., N.Y. Univ, 49; cert. urban planning, American Univ, 58. Transportation economist, bur. roads, U.S. Dept. Commerce, 49-58; sr. planner, Charleston County, S.C., 58-59; DIR. PLANNING, Cecil County, Md, 59-61; Norwalk, Conn, 61-65; Plainfield, N.J., 65-66; SARASOTA, FLA, 66- U.S.A. 43-45. Soc. Planning Off; Inst. Planners; Am. Inst. Urban & Regional Affairs. Municipal, county and regional planning; land use; thoroughfares; economic development and public improvements programs. Publ: Co-auth, Parking requirements in zoning ordinances, Hwy. Res. Bd, 55; auth, Multi-family housing, City Planning Cmn, Norwalk, Conn, 64 & Newtown neighborhood analyses, City Planning Dept, Sarasota, Fla, 66. Address: P.O. Box 1058, Sarasota, Fla. 33578.

SEGAL, DR. SYDNEY JOELSON, b. Chestnut Hill, Mass, Feb. 17, 33; m. 54; c. 4. PSYCHOLOGY. B.A., Wellesley Col, 54; Nat. Inst. Ment. Health fel, N.Y. Univ, 60-61, Ph.D. (clin. psychol), 62. Res. asst. scientist, res. center ment. health, N.Y. Univ, 62-67; RES. ASSOC. PSYCHOL, RES. CENTER COGNITION & AFFECT, CITY UNIV. N.Y., 67-, U.S. Air Force Off. Sci. Res.

study contract, 67-70. AAAS; Psychol. Asn. Imagery and other perceptual anomalies; perception; verbal behavior. Publ: Co-auth, Relaxation and the Perky effect, Am. J. Psychol, 67; auth, Priming of association test responses by differential verbal contexts, J. Exp. Psychol 67 & Patterns of response to a thurst in an imaging task, Perky technique, as a function of cognitive style, J. Personality, 68. Address: Center for Cognition & Affect, City University of New York, 33 W. 42nd St, New York, N.Y. 10036.

SEGALL, PROF. JOEL, b. Bridgeport, Conn, Mar. 2, 23; m. 58; c. 1. FINANCE, ECONOMICS. M.B.A. Chicago, 49, A.M., 52, Becker fel, 55-56, Ph.D. 56. Instr. econ. Allegheny Col, 50-51; FINANCE, CHICAGO, 52-56, asst. prof, 56-59, assoc. prof, 59-67, PROF, 67- Ed, J. Finance, 57-60. U.S.A.A.F., 43-45, Sgt. Finance Asn; Econ. Asn. Corporation finance; monetary theory and policy; applied price theory. Publ: Effect of contract maturities on price fluctuations, J. Bus. Address: 5611 S. Blackstone, Chicago, Ill. 60637.

SEGALL, PROF. MARSHALL H(OWARD), b. Bridgeport, Conn, Apr. 22, 30; m. 55; c. 2. PSYCHOLOGY. B.S. Northwestern, 52, univ. fel, 56-57, Ph.D., 57; Woodrow Wilson fel, Geneva, 52-53; M.S. Yale, 55. Instr. PSYCHOL, Columbia, 57-58, asst. prof, 58-62; assoc. prof, Iowa, 62-66; PROF, SYRACUSE, 66- Ford Found. fel, 59-60; vis. prof, Makerere Univ. Col, Uganda, 67-68. Consult, Vet. Admin. Psychol. Asn; African Studies Asn; Int. African Inst. Personality change, acculturation; learning and attitude development; experimental social psychology. Publ: Co-auth, The influence of culture on visual perception, 66 & A cross-cultural study of perception, 68, Bobbs; auth, Acquiescence and identification with the aggressor among acculturating Africans, J. Soc. Psychol, 61: 247-262. Address: Dept. of Psychology, Syracuse University, Syracuse, N.Y. 13210.

SEGALMAN, DR. RALPH, b. New York, N.Y. July 15, 16; m. 40; c. 3. SOCIAL WORK, SOCIOLOGY. B.A. Michigan, 37, M.S.W., 44; Connecticut, 60; Ph.D.(soc. psychol), N.Y. Univ, 66. Refugee relief field rep, Am. Jewish Int. Distribution Cmt, Vienna, Austria, 45-47; exec. dir. community rels. coun, Jewish Fedn, 47-53, exec. dir. Center & Family Serv, Waterbury, Conn, 47-61; Jewish Community Coun. Center & Family Serv. El Paso, Tex, 61-65; asst. prof. sociol, Texas, El Paso, 64-67, ASSOC. PROF. SOC. WORK, GRAD. SCH. & ASST. DIR. UNDERGRAD. STUDIES, TEXAS, AUSTIN, 67- Prin. investr, Upward Bound Proj, Univ. Texas, El Paso, 66-67. Staff training & hosp. reorgn. planning consult, Big Springs State Hosp, 66; consult, United Fund El Paso, 66-67; training consult, Ft. Bliss, Tex. & White Sands Missile Range, N.Mex. 66-67; Ed. Projs, Inc. & Ed. Sys. Corp. consult. to Tex. Off. Econ. Opportunity, Tex. Ed. Agency, on Adult Migrant Progs, 67-; manpower specialists off, Off. Econ. Opportunity, Sys. Corp. consult. to Tex. Off. Econ. Opportunity, Tex. Ed. Agency, on Adult Migrant Progs, 67-; manpower specialists off, Off. Econ. Opportunity, Tex, 67- Acad. Cert. Soc. Workers; Nat. Asn. Soc. Workers; Social Asn; Psychol. Asn. Social work as an institution; poverty as a culture; community organization for social change; education as a total family involvement for poverty families; upgrading of various levels of helping professions from aide to full professional; undergraduate social welfare and helping professions training. Publ: Self hatred among Jews: a test of the Lewinian hypothesis on marginality of minority leadership, Univ. Microfilms No. 67-4909 & Dissertation Abstracts, Vol XXVII, No. 10; The Protestant ethic and social welfare, Am. Affairs Sect, Rocky Mt. Soc. Sci. Asn, 4/67 & J. Soc. Issues, summer 68; The cultural chasm, Harpers, 10/65 & In: The church in the changing city, Divine World Pub, 66, The reporter, Passaic County Bar Asn. Pub, 67, Psychology & life, Scott, 7th ed. & Theories for marketing systems analysis: selected readings, Harper. Address: Graduate School of Social Work, University of Texas, Austin, Tex. 78712.

SEGEL, DR. DAVID, b. Marion, Kans, Apr. 12, 94; m. 20. PSYCHOLOGY. A.B. California, 17; M.A. Columbia, 22; Ph.D.(psychol), Stanford, 31. Asst. dir. res. pub. schs, Calif, 24-31; consult. & specialist, U.S. Off. Ed, 31-58; dir. bur. res. & measurement, sch. ed, Indiana, 58-59; dir. Lincoln Guid. Res. Proj, Albuquerque Bd. Ed, 59-67; RETIRED. Ed. Res. Asn.(secy-treas, 41-43); Psychol. Asn; Personnel & Guid. Asn. Appraisal of characteristics of children; aptitude tests at secondary school level. Publ: Multiple aptitude tests; Intellectual activities in the adolescent & Frustration in the adolescent period, Bull, U.S. Off. Ed. Address: 1020 Loma Prieta, Los Altos, Calif. 94022.

SEGEL, DR. HAROLD J(EROME), b. Pittsburgh, Pa, Mar. 12, 21; m. 50; c. 2. PSYCHOLOGY. B.S. Pittsburgh, 49, M.S. 51; Ph.D. Pa. State, 55. Asst. to dir. student counseling, Pa. State, 52-53; psychol. intern, VET. ADMIN. HOSP, Lebanon, Pa, 53-55, chief counseling psychol. serv, Danville, Ill, 55-56, chief psychol. serv, Butler, Pa, 56-59; UNIT COORDINATOR, SEPULVEDA, 59- Dir. bd, Psychol. Inst, 65- Dipl. clin. psychol, Am. Bd. Exam. Prlnl. Psychol, 63. U.S.A.A.F., 42-46. Psychol. Asn. Individual and group psychotherapy; clinical research; training in psychotherapy. Publ: Effects of glutamic acid on problem solving in mentally retarded; Fundamental issues in Q-sorting. Address: Psychology Service, Veterans Administration Hospital, Sepulveda, Calif. 91343.

SEGER, DR. JOE DICK, Archaeol, Biblical Studies, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SEGREST, PROF. EARL C, Polit. Sci, see 10th ed, Soc. & Behav. Vols, deceased 67.

SEGREST, PROF. ROBERT TAYLOR, b. Lafayette, Ala, Dec. 8, 04; m. 38; c. 3. LABOR ECONOMICS. B.Sc. Georgia, 26, M.Sc. 33; Columbia, 40-41. Asst. prof. econ, Georgia, 38-42; wage analyst, region IV, War Labor Bd, 42-44, wage stabilization dir, 44-45; chmn, Wage Stabilization Bd, 45-46; assoc. prof. ECON, GEORGIA, 46-50, PROF, 50- Address: Dept. of Economics, University of Georgia, Athens, Ga. 30602.

SEIBEL, DR. R(OBERT), b. N.J., May 27, 28; m. 54; c. 3. EXPERIMENTAL PSYCHOLOGY. A.B. Syracuse, 51; M.A. Iowa, 53, Ph.D.(psychol), 55. Res. assoc. audition, Iowa, 54-55; res. psychologist, motor skills, U.S. Air Force Personnel & Training Res. Center, Tex, 55-58; staff psychologist, human transcription & learning, Int. Bus. Mach. Corp, 58-63, consult, 64-67; res.

assoc. PSYCHOL, Massachusetts, 63-64; asst. prof, PA. STATE, 64-67, ASSOC. PROF, 67- U.S.N., 46-48. AAAS; Psychol. Asn; Psychomet. Soc; Inst. Elec. & Electronics Eng; Human Factors Soc; Ed. Res. Asn; Psychonomic Soc. Human learning; information processing; human engineering; experimental design; quantification in psychology. Address: Dept. of Psychology, 117 Burrows Bldg, Pennsylvania State University, University Park, Pa. 16802.

SEIBERT, PROF. EARL W(ILLIAM), b. Bethel Township, Pa, June 14, 03; m. 39; c. 1. PSYCHOLOGY. B.R.E., Boston, 28; A.B. Elizabethtown Col, 31; M.Ed. Pa. State, 38; Ph.D.(psychol), N.Y. Univ, 43. Teacher, guid. dir. & psychologist, State Bd. Ed, Hershey, Pa, 31-39; guid. dir. & psychologist, Bd. Ed, Belleville, N.J., 39-44; prof. psychol. & dir. student personnel, Green Mt. Jr. Col, 44-46; asst. prof. psychol. & counsr. freshmen, Juniata Col, 46-49; from instr. ed. & psychol. to PROF. PSYCHOL, MANSFIELD STATE COL, 49- Psychol. Asn. Predictability of various guidance measures; reading reactions for varied types of subject matter. Publ: Educational psychology on two levels, Ed. Admin. & Supv; An evaluation of the Johnson temperament analysis, J. Clin. Psychol; A comparison of scores on the Kuder preference record and the job qualification inventory, J. Ed. Res. Address: Dept. of Psychology, Mansfield State College, Mansfield, Pa. 16933.

SEIBERT, PROF. JOSEPH C(HARLES), b. Lakewood, Ohio, Mar. 6, 10; m. 41; c. 3. MARKETING. B.S. Miami (Ohio), 32; M.B.A. Northwestern, 33, Ph.D., 41. Lectr, Northwestern, 34-41; asst. prof, Emory, 41-45; PROF. MKT. & HEAD DEPT, MIAMI (OHIO), 45- dir. bur. bus. res, 60-64. Lectr, bank pub. rels. & mkt. sch, Northwestern, 62-; IPSOA Grad. Sch. Bus, Turin, Italy, 63. Economist, Shaw & Co, Ill, 34-41; U.S. Dept. Commerce, 42; res. dir, Tucker Wayne & Co, Ga, 42-45; dir, Oxford Res. Assocs, 46- Mem, Govt. Data Adv. Cmn, Bank Pub. Rels. & Mkt. Asn, 68- Field consult, War Prod. Bd, 43-44. Mkt. Asn(ed, Monographs, 59-66; Econ. Asn; Nat. Sales & Mkt. Exec. Bd. Consumer panels. Publ: The influence of television on the election of 1952. Address: Dept. of Marketing Management, Miami University, Oxford, Ohio 45056.

SEIDEL, DR. ROBERT JONAS, b. Elizabeth, N.J., Jan. 13, 31; m. 53; c. 2. PSYCHOLOGY. B.S. Rutgers, 52; M.A. Pennsylvania, 54, Ph.D., 57. Instr. grad. sch, Pennsylvania, 54-57; proj. officer, human factors div, Air Force Spec. Weapons Center, 57-59; asst. prof, Denison, 59-61; PROJ. LEADER COMPUT-ADMINISTERED INSTR. SYSTS, HUMRRO, GEORGE WASHINGTON, 61- Physiol. psychologist, Frankford Arsenal, 54-57; vis. lectr, Trinity Col, 59; assoc. prof. lectr, George Washington, 62-64; Nat. Inst. Ment. Health spec. fel, inst. math. studies soc. sci, Stanford, 64-65; vis. prof, Maryland, 66-67; Nat. Insts. Health study grant. U.S.A.F., 57-59, 1st Lt. Psychonom. Soc; Psychol. Asn. Theoretical and applied studies of the learning processes. Publ: A review of sensory preconditioning, Psychol. Bull, 59; RTT paradigm: no panacea for theories of associative learning, Psychol. Rev, 63; Programmed learning: prologue to instruction, Psychol. Reports, 2/67. Address: 1709 Bellehaven Rd, Alexandria, Va. 22307.

SEIDEN, DR. HERBERT R(OBERT), b. New York, N.Y., May 4, 26; m. 50; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A. George Washington, 54; M.A., Princeton, 56, Ph.D. 57. Asst. exp. psychol, Princeton, 54-57; res. assoc, HUMRRO, 53-57; human factors scientist, Syst. Develop. Corp, 57-64; head, human factors, Astronics Div, Aerojet Gen. Corp, 64-65; SR. TECH. ADV. MGT, SYST. DEVELOP. CORP, 65- Consult, HUMRRO, 57- U.S.N., 43-49, 50-52. Psychol. Asn; Inst. Aeronaut. & Astronaut; Human Factors Soc; Astronaut. Soc. System analysis and design of complex man-machine systems, particularly allocation of tasks to men and machines in computer based real time command and control systems. Publ: Co-auth, National document handling systems for science and technology, Wiley, 67. Address: 2500 Colorado Ave, Santa Monica, Calif. 90406.

SEIDENFELD, DR. MORTON A(LFRED), b. Spokane, Wash, Sept. 21, 06; m. 32; c. 2. CLINICAL PSYCHOLOGY. B.S. Washington (Seattle), 27; M.S. Pennsylvania, 33, Ph.D.(psychol), 37. Dir. speech & psychol. clins, St. Christopher's Hosp. for Children, Phila, Pa, 34-38; instr. psychol, Denver, 38-40; dir. rehab, Tuberc. Inst. Chicago & Cook County, Ill, 40; dir. psychol. serv. & pub. ed, Nat. Found. Infantile Paralysis, 46-60; asst. dir. res. grants & demonstration div, U.S. Off. Voc. Rehab, 60-61; chief div. res. & training center, voc. rehab. admin, U.S. DEPT. HEALTH, ED. & WELFARE, 61-65, chief intramural res. staff, 66-67, DEP. ASST. ADMIN, SOC. & REHAB. SERV. ADMIN, 67- Instr. Pennsylvania, 36-37; clin. prof, George Washington, 64-; lectr, sch. ed, Catholic Univ, 65- Dir. nurses testing, Pa. Gen. Hosp, 36-38; dir. rehab, Nat. Jewish Hosp, Colo, 38-40. Private consult, 35-38; consult, State Bd. Voc. Rehab, Colo, 38-40, Ill, 40; Off. Surg. Gen, 47-; U.S. Vet. Admin, 47- Med.C., 40-46, Col. Fel. AAAS; fel. Psychol. Asn; fel. Orthopsychiat. Asn; fel. Pub. Health Asn. Psychology of the disabled and chronically ill; psychology of the mentally retarded; memory. Publ: Psychological aspects of medical care. Address: Social & Rehabilitation Service Administration, U.S. Dept. of Health, Education & Welfare, Washington, D.C. 20201.

SEIDENSTAT, DR. PAUL, b. Wilmington, Del, June 1, 33; m. 61. ECONOMICS. B.A. Delaware, 55; M.A. Northwestern, 60, Ph.D.(econ), 64. Asst. econ, Northwestern, 58-59, petrol. hist. proj, 59-60; instr. ECON, Drexel Inst. Tech, 60-61; Delaware, 61-62, ASST. PROF, 62-67; TEMPLE, 67- Prin. investr, off. water resources res, U.S. Dept. Interior res. grant, 65-66. Consult, Health Ed. & Welfare proj, Pennsylvania, 66. Wall St. J. award, 55. U.S.A., 56-58, Res, 58-, 1st Lt. Economics of urban water systems; economic models of hospital systems. Publ: Market for water based outdoor recreation services in New Castle County, Delaware, Water Resources Center, Univ. Delaware, 7/66; Economics of fluoridation in Delaware, Del. Med. J, 1/68. Address: 2638 Grendon Dr, Wilmington, Del. 19808.

SEIDENSTEIN, DR. SIDNEY, b. New York, N.Y., Sept. 24, 32; m. 55; c. 2. PSYCHOLOGY. B.A. Queens Col.(N.Y.), 53; M.A. Lehigh, 55; Ph.D. Wisconsin, 59. Res. psychologist, U.S. Naval Res. Lab, 58-60; eng. psychologist, missile & space vehicle dept, Gen. Elec. Co, 60-61; sr. scientist, Ritchie & Assocs, Inc, Ohio, 62-66; ENG. PSYCHOLOGIST SPECIALIST, MAN-

MACHINE SYSTS, LOCKHEED MISSILE & SPACE CO, 66- Instr, exten. div, Maryland, 59-60. Human Factors Soc. Tracking, manual control; man-machine-systems; visual performance; manned vehicle systems. Publ: Co-auth, Somatic sensory representation in the cerebral cortex of the raccoon, J. Comp. Neurol, 59: 94-103, The relation of electronic and optical display gain to system performance, Trans. Inst. Radio Eng, 3/60 & Manual control of remote manipulators, Aerospace Med. Res. Lab. Tech. Report 66-21, 2/66. Address: Lockheed Missile & Space Co, ORG 55-60, Bldg. 151, P.O. Box 504, Sunnyvale, Calif. 94088.

SEIDLER, DR. GUSTAV, b. Vienna, Austria, Sept. 22, 01; nat; m. 45. ECONOMICS. Ph.D.(econ), Vienna, 22. Prof. econ, German Sch. Bus. Admin, Prague, 26-30; Rockefeller Found. fel, Univ. Michigan, Chicago, Minnesota & California, 31-33; economist res. div, Nat. Recovery Admin, 34-36; sr. economist, Nat. Resources Cmt, 36-38; econ. expert antitrust div, U.S. Dept. Justice, 38-42; INDUST. SPECIALIST, U.S. ARMY GEN. STAFF, 46-. SPEC. ASST. LOGISTICS OFF, 61- U.S.A., 42-46, Lt. Col. Econ. Asn; Asn. Comp. Econ. Economic theory; structure and growth of the American economy; economics of American defense and industrial preparedness. Publ: Geographic pricing practices in American industry; Methodology of classical economics. Address: U.S. Dept. of the Army, Office of the Deputy Chief of Staff for Logistics, Pentagon, Washington, D.C. 20310.

SEIDLER, DR. LEE J, b. Newark, N.J., Feb. 11, 35; m. 59; c. 1. ACCOUNTING. A.B. Columbia, 56, M.S. 57, Ford Found. fel. & Ph.D.(int. bus), 66. Sr. acct, Price Waterhouse & Co, 56-61; lectr. ACCT. Columbia, 61-64; ASST. PROF, Robert Col, Istanbul, 64-65; GRAD. SCH. BUS. ADMIN, N.Y. UNIV. 65- Mem. cmt. int. rels. Am. Inst. Cert. Pub. Acct. Lindback Found. award, 67. Am. Acct. Asn. International accounting; financial accounting policies. Publ: The function of accounting in economic development, Praeger, 67; International accounting—the ultimate theory course, Acct. Rev, 67; The credibility gap in interim financial statements, Financial Anal. J, 67. Address: 37 Washington Square W, New York, N.Y. 10011.

SEIDLER, DR. MURRAY B(ENJAMIN), b. Detroit, Mich, Apr. 15, 24; m. 51; c. 1. POLITICAL SCIENCE. B.A, Michigan, 45; M.A, Columbia, 46; D.S.S, Syracuse, 54. Instr. hist, State Univ. N.Y. Teachers Col.(Albany), 47-48; from asst. prof. to ASSOC. PROF. POLIT. SCI, WAYNE STATE, 48-. ACTING DIR. SOC. SCI, 56- Joint Coun. Econ. Ed. fel, 54. Polit. Sci. Asn. Politics of social reform; American labor movement; adolescent peer groups. Publ: Norman Thomas, respectable rebel; Science and social science; Laborer in the American economy, Modern Soc. Address: Dept. of Political Science, Wayne State University, Detroit, Mich. 48202.

SEIDMAN, AARON, b. Norwich, Conn, Apr. 11, 37; m. 58; c. 1. POLITICAL SCIENCE. A.B. Brown, 59; Nat. Sci. Found. fel. & M.A, Brandeis, 63; NASA traineeship, Mass. Inst. Tech. INSTR. biol. -ci, Boston, 62-63, POLIT. SCI, CASE WESTERN RESERVE, 66- AAAS; Polit. Sci. Asn. Science, technology and public policy, including science education policy; politics of environmental manipulation; simulation of crisis situations, especially small group interaction. Publ: Co-auth, EXDET II: a student-level experimental simulation on problems of deterrence, Center Int. Studies, Mass. Inst. Tech, 11/64. Address: Division of Special Interdisciplinary Studies, Case Western Reserve University, Cleveland, Ohio 44106.

SEIDMAN, DR. HAROLD, b. Brooklyn, N.Y., July 2, 11. GOVERNMENT. A.B. Brown, 34, A.M. 35; Ph.D.(govt), Yale, 40. Dir. res, New York Dept. Invest, 38-43; govt. corp. specialist & admin. analyst, U.S. Bur. Budget, 43-61, acting chief off. mgt. & orgn, 61-64, asst. dir, 64-68; SCHOLAR-IN-RESIDENCE, NAT. ACAD. PUB. ADMIN, 68- Lectr, George Washington, 52-53; Southern California, 62; Brookings exec. fel, 68. UN consult, Guatemala & Turkey; consult, Viet Nam, 67. Mem. Admin. Conf. U.S., 61-63. Polit. Sci. Asn; Soc. Pub. Admin; Int. Inst. Admin. Sci. Government corporations and public enterprises; territorial administration; comparative government; intergovernmental administration. Publ: Investigating municipal administration; Labor czars, a history of labor racketeering; co-auth, The government corporation. Address: 200 C St. S.E., Washington, D.C. 20003.

SEIDMAN, PROF. JEROME M(ARTIN), b. New York, N.Y., Oct. 4, 11; m. 45; c. 2. PSYCHOLOGY. Scholar, Rutgers, 28-34, B.S. 32, M.S. 34; Ph.D.(psychol), N.Y. Univ, 53. Res. scientist, Rutgers, 37-40; instr, Brooklyn Col, 40-42; soc. sci. analyst, U.S. Dept. Agr, 42-47; instr, Maine, 47-54; from asst. prof. to PROF. PSYCHOL. & ED, MONTCLAIR STATE COL, 55- Vis. prof, Hopkins, 55; Southern California, 59; Illinois, 61, 68; Columbia, 64, 65; Wisconsin, 66. AAAS; Psychol. Asn. Developmental psychology; educational psychology; attitude-personality development; group membership. Publ: The adolescent: a book of readings, 60 & The child: a book of readings, 69, Holt; Readings in educational psychology, Houghton, 65. Address: Dept. of Psychology, Montclair State College, Upper Montclair, N.J. 07043.

SEIDMAN, PROF. JOEL, b. Baltimore, Md, July 29, 06; m. 38; c. 2. ECONOMICS. A.B. Hopkins, 26, Ph.D. 32. Res. worker & writer, Ed. Res. Reports, D.C., 33-34; instr, Brookwood Labor Col, N.Y., 34-37; field secy, League Indust. Democracy, 37-40; Dewey labor res. fel, 41; mem. staff, Nat. Labor Rels. Bd, 42-46; asst. prof. soc. sci, CHICAGO, 47-50, assoc. prof, 50-58, PROF. INDUST. RELS, 58- Vis. prof, California, Berkeley, 64-65. U.S.A.A.F, 43-45. Econ. Asn; Indust. Rels. Res. Asn. Industrial relations. Publ: American labor from defense to reconversion; co-auth, Worker views his union; auth, The brotherhood of railroad trainmen, Wiley, 62. Address: 2231 E. 67th St, Chicago, Ill. 60649.

SEIFTER, DR. JOSEPH, Pharmacol, see 11th ed, Phys. & Biol. Vols.

SEIM, CAPT. HARVEY BRYANT, U.S.N., b. Bridgeport, Conn, Nov. 14, 18; m. 44; c. 3. POLITICAL SCIENCE. B.S., U.S. Naval Acad, 40; M.A. Maryland, 58, 62-; Nat. War Col, 60-61. U.S. NAVY, 36-, mem. faculty, U.S. Naval Acad, 46-48, planner nat. security policy, Orgn. Policy Div, Off. Chief Naval Ops, 48-49, Strategic Plans Div, 55-58, mem. staff, defense adv, U.S. Mission to NATO, 58-60, mem. faculty, Nat. War Col, 62-64, DEP. DIR. NUCLEAR PLANNING AFFAIRS, OFF. SECY. OF DEFENSE, 65- Polit. Sci.

Asn. International affairs; national security policy. Publ: Atomic bomb—the x-factor of military policy, 4/49, Are we ready to wage limited war?, 3/61 & Naval power and deterrence, 12/61, U.S. Naval Inst. Proc. Address: 517 Monticello Blvd, Alexandria, Va. 22305.

SEIMER, PROF. STANLEY J, b. Elgin, Ill, Dec. 28, 18; m. 42; c. 3. BUSINESS ADMINISTRATION. B.S. & M.B.A, Northwestern; D.C.S, Harvard, 56. Timestudy engr, Chicago Bridge & Iron Co, 44-45; instr. bus. admin, Boston, 47-48; from instr. to asst. prof. PROD. MGT, Northwestern, 48-55; from assoc. prof. to PROF. & CHMN. DEPT. COL. BUS. ADMIN, SYRACUSE, 55- Dir, Radar Design Corp, 65- Lectr, Purdue, 52; indust. mgt. inst, Lake Forest Col, 53-54. Bus. orgn. & mgt. consult, 52- U.S.N.R., 44-46. Mgt. Asn; Soc. Adv. Mgt; Indust. Mgt. Soc; Acad. Mgt. Institute. Industrial organization and management; personnel administration and supervisory training; industrial engineering; integrated approach to materials management in American industry. Publ: Auth, Suggestion plans in American industry, 59; Cases in industrial management, 61. Address: College of Business Administration, Syracuse University, 116 College Place, Syracuse, N.Y. 13210.

SEITZ, DR. CLIFFORD P(ETER), b. New York, N.Y., July 20, 12; m. 42; c. 2. PSYCHOLOGY. B.A, Columbia, 34, M.A, 36, Ph.D.(psychol), 39. Asst. psychologist, Columbia, 34-36, asst. psychol, Duke, 36-39; instr, Alabama, 39-41; City Col. New York, 38-39, 41-43; head human eng. dept, Naval Training Device Center, 46-58; CHIEF HUMAN FACTORS, GRUMMAN AIRCRAFT ENG. CORP, 58- Adj. prof, Post. Col, Long Island, 56-; pres, Seitz Assocs. Res. consult, off. sci. res. & develop, Columbia, 42-44. U.S.N.R., 44-46, Lt. Fel. AAAS; fel. Psychol. Asn; Aerospace Med. Asn; Inst. Aerospace Sci. Psychology equipment design; aviation psychology; human factors and training. Address: Dolphins Rise, Lloyd Neck, Huntington, N.Y. 11743.

SEITZ, PROF. KERLIN (McCULLOUGH), b. Alton, Ill, Nov. 9, 18; m. 42, 60; c. 2. GEOGRAPHY. B.S, Northeast Mo. State Col, 39; M.A, George Peabody Col, 47; Ph.D.(geog), Wisconsin, Madison, 55. Teacher & asst. prin, pub. schs, Mo, 39-47; instr. GEOG, Winona State Col, 50-53; Wisconsin, Milwaukee, 53-55, asst. prof, 55-60; assoc. prof, Troy State Col, 60-63; Northeast Mo. State Col, 63-66; PROF, WIS. STATE, EAU CLAIRE, 68- Dir, Nat. Defense Ed. Act. Summer Geog. Inst, Northeast Mo. State Col, 65. U.S.N., 41-45, Res, 45-63, Comdr. Asn. Am. Geog. Land use, particularly in terms of historical geography. Publ: Wheat in the southeastern states, Econ. Geog, 48; Types of part-time farmers in Northern Wisconsin, Trans. Wis. Acad. Sci, Arts & Letters, 58; Milwaukee's outside, inside, outside harbor, Ann. Asn. Am. Geog, 59. Address: Dept. of Geography, Wisconsin State University, Eau Claire, Wis. 54701.

SEITZ, DR. P(HILIP) FRANZ DURHAM, Psychiat, see 11th ed, Phys. & Biol. Vols.

SELAKOVICH, PROF. DAN, Soc. Sci, see 10th ed, Soc. & Behav. Vols.

SELBY, DR. EDWARD B(URFORD), JR, b. Baltimore, Md, Nov. 12, 38; m. 63; c. 2. ECONOMICS, FINANCE. B.S, Clemson, 62; M.B.A, South Carolina, 63; Ph.D.(econ), La. State, 67. Instr. money & banking, La. State, summer 66; ASST. PROF. econ, Northeast La. State Col, 66-68; BANKING, GEORGIA, 68- U.S.A., 57-59, Res, 59-63. Econ. Asn; Finance Asn. Monetary theory and policy; macroeconomic theory; money & banking; public finance. Publ: The growth, structure and adequacy of savings and loan facilities in Louisiana, La. Studies, summer 68; The current status of economic methodology, Bentley Bus. & Econ. Rev, 6/68; The inside lag of monetary policy, 1953-1958, Quart. Rev. Econ. & Bus, spring 68. Address: Dept. of Banking & Finance, University of Georgia College of Business Administration, Athens, Ga. 30601.

SELBY, DR. HENRY A, b. Toronto, Ont, Can, Sept. 2, 34; m. 60; c. 3. ANTHROPOLOGY. B.A, Toronto, 55; M.A, London, 61; Ph.D.(anthrop), Stanford, 66. ASST. PROF. ANTHROP, TEXAS, AUSTIN, 67- Social anthropology; psychology; education. Publ: Co-auth, Kinship and social organization, Macmillan, 68; auth, Formal analysis of myth, Univ. Texas, 68; co-auth, Other side of the soul, Aldine, 69. Address: Dept. of Anthropology, University of Texas, Austin, Tex. 78712.

SELDEN, PROF. EDWARD H(ARVEY), b. Duluth, Minn, Sept. 15, 15; m. 42; c. 3. PSYCHOLOGY. B.S, Wis. State Col, 40; M.A, Minnesota, 47, admin. fel, for. student off, 48-50, Ph.D. 60. Counsr, col. ed, Minnesota, 48-47; dir. student personnel, Moorhead State Teachers Col, 47-48; sr. psychologist dist. & juvenile courts, Hennepin County, Minn, 50-59; asst. prof. child study servs, St. Cloud State Col, 59-61; assoc. prof. PSYCHOL, WIS. STATE, RIVER FALLS, 61-65, PROF, 65-, CHMN. DEPT, 64- Med.C, U.S.A., 42-45. Psychol. Asn; Personnel & Guid. Asn; Ed. Res. Asn. Self-structure and personality theory; dynamics of motivation; deviant behavior; self theory. Publ: Self perception: a study of delinquent boys, In: Guidelines for guidance, W.C. Brown, 66. Address: 121 S. Ninth St, River Falls, Wis. 54022.

SELDIN, DR. MAURY, b. Los Angeles, Calif, Feb. 27, 31; m. 54; c. 2. BUSINESS ADMINISTRATION, URBAN DEVELOPMENT. B.S, California, Los Angeles, 53, M.B.A. 57; D.B.A.(real estate admin), Indiana, 60. Asst. prof. finance & real estate, Southern California, 60-65; ASSOC. PROF. & DIR. REAL ESTATE PROG, SCH. BUS. ADMIN, AMERICAN UNIV, 65- Found. Econ. Ed. fela, Equitable Life Assurance Soc. Am, 63, Chase Manhattan Bank, 65. U.S.C.G.R., 53-55. Econ. Asn; Finance Asn; Real Estate & Urban Econ. Asn; Nat. Asn. Bus. Econ; Regional Sci. Asn. Real estate investment analysis; real estate administration. Address: American University School of Business Administration, Washington, D.C. 20018.

SELEKMAN, PROF. B(ENJAMIN) M(ORRIS), Labor Rels, see 10th ed, Soc. & Behav. Vols, deceased 62.

SELF, DR. HERSCHEL C(LAYTON), b. Florence, Ala, Jan. 3, 22; m. 53; c. 6. EXPERIMENTAL PSYCHOLOGY. B.A, California, Berkeley, 50; M.S., Minnesota, Minneapolis, 53; Ph.D.(psychol), Texas, Austin, 59. RES. PSY-

- CHOLOGIST, U.S. Naval Res. Lab, D.C. 59-62; 6570TH AEROSPACE MED. RES. LAB, U.S. DEPT. AIR FORCE, 62- Lectr, Wright State, 66- Air Force rep. vision cmt, Nat. Acad. Sci. 66- U.S.A.A.F. 43-45; Med.C. U.S.A. 45-47. Human Factors Soc; fel. Brit. Interplanetary Soc. Visual detection and recognition of objects in the real world directly and by way of displays. Publ: Auth, The effect of simulated aircraft speed on detecting and identifying targets from side-looking radar imagery, AMRL-TDR-64-40, 5/64, co-auth, Effects of display polarity on target detection with side-looking radar, AMRL-TR-64-82, 10/64 & Target detection on side-looking radar when image motion can be temporarily delayed, AMRL-TR-67-23, 11/67, Behav. Sci. Lab, Wright-Patterson Air Force Base. Address: 123 N. Longview St, Dayton, Ohio 45432.
- SELF, PROF. HUBER, b. Creek Co, Okla, Jan. 24, 14; m. 36, 43; c. 3. GEOGRAPHY. B.S. Cent. State Col.(Okla), 41; M.S. Okla. State, 47; Kansas State, 50; Nebraska, 51-53. Prin, high sch, Okla, 45-46; asst. instr. GEOG, Okla, State, 46-47; instr, Kansas State, 47-51; asst, Nebraska, 53; ASST. PROF, KANSAS STATE, 53- Guest lectr, Giessen, 64-65. Award, U.S. Dept. War, 45. U.S.N., 44-45. Asn. Am. Geog; Nat. Coun. Geog. Ed; Am. Geog. Soc. Agricultural geography; geography of U.S.S.R; cartography and geography of Kansas; agricultural and irrigation geography in Kansas. Publ: Atlas of Kansas; Geography of Kansas; co-auth, The magnesium industry, Econ. Geog. Address: Dept. of Geography, Kansas State University, Manhattan, Kans. 66502.
- SELF, PROF. STANLEY ALLEN, b. Dallas, Tex, Jan. 31, 28; m. 48; c. 3. ECONOMICS. B.A. Agr. & Mech. Col, Tex, 47; M.A. North Texas State, 49; South. Fel. Fund fel, Oklahoma, 56-57, Ph.D.(econ), 58. Instr. soc. sci, Victoria Col.(Tex), 49-54; econ, Oklahoma, 54-56; asst. prof. mgt, North Texas State, 57-59, assoc. prof, 59-64; PROF. HIST. OF BUS. ENTERPRISE, TEXAS CHRISTIAN, 64- Consult, Tex. Elec. Serv. Co, 59-60; Williamson-Dickie Mfg. Co, 59- U.S.A., 51-53, Res, 53-60, Capt. Soc. Adv. Mgt. Management; municipal electric utility and management systems; autocorrelation in cycle research; business forecasting; wage and salary administration. Publ: Municipal electric systems in Oklahoma; Programming circular autocorrelation for cycle research, J. Cycle Res. Address: Dept. of History of Business Enterprise, School of Business, Texas Christian University, Ft. Worth, Tex. 76129.
- SELIG, DR. JOHN M(ALCOLM), b. San Francisco, Calif, Nov. 2, 12. POLITICAL SCIENCE. B.S. San Francisco, 35; M.A. California, 38, Ph.D.(polit. sci), 53. INSTR. POLIT. SCI, CITY COL. SAN FRANCISCO, 36- Asst, California, 42-43. Polit. Sci. Asn; Soc. Pub. Admin. State government; municipal government; public administration. Pub: San Francisco upholds mayor & The San Francisco idea, Nat. Civic Rev; contrib. ed, Dictionary of political science, Philos. Library, 64. Address: Dept. of Political Science, City College of San Francisco, San Francisco, Calif. 94112.
- SELIG, DR. KALMAN, Clin. & Ed. Psychol, see 10th ed, Soc. & Behav. Vols.
- SELIGMAN, PROF. BEN (ARUCH), b. Newark, N.J., Nov. 20, 12; m. 38; c. 2. ECONOMICS, STATISTICS. A.B. Brooklyn Col, 34; Hepburn fel, Columbia, 34-35, M.S. 36; New Sch. Soc. Res, 40-41, 47-49. Wage analyst, State Dept. Labor, N.Y., 41-42; commodity analyst, Off. Price Admin, 42-45; ed, Labor & Nation, 45-46; economist, Coun. Jewish Fedn, 46-53; dir. community serv, Jewish Labor Cmt, 53-55; Wash. Off, Am. Jewish Cmt, 55-56; int. affairs analyst, United Auto Workers, 56-57; dir. res, Retail Clerks Int. Asn, 57-65; PROF. ECON. & DIR. LABOR RELS. & RES. CENTER, MASSACHUSETTS, AMHERST, 65- Lectr, Brooklyn Col, 47-49; dir, Off. Jewish Pop. Res, 49-50; assoc. fel, Inst. Policy Studies, D.C. 63-65; Guggenheim fel, 67. Consult, Am. Coun. Pub. Affairs, 45; Bur. Appl. Soc. Res, 46; Training Bur. Jewish Communal Serv, 49; Mass. Bd. Higher Ed, 67; Gov. Task Force on Tech, 67; U.S. Off. Ed, 67-; Joint Cmt. Ment. Health Children, 68. Mem. tech. adv. cmt. consumer price index, U.S. Dept. Labor, 60-; P.R. Wage Bd, 61, 65. Trustee, Fed. Statist. Users Conf, 59-65; West. Mass. Coun. Econ. Ed, 65- Econ. Asn; Asn. Evolutionary Econ.(secy-treas, 65-); Indust. Rels. Res. Asn; Adult Ed. Asn. Economic theory; labor relations. Publ: Main currents in modern economics, 62; Most notorious victory: man in an age of automation, Macmillan, 66; Permanent poverty: an American syndrome, Quadrangle, 68. Address: 53 Wildwood Lane, Amherst, Mass. 01002.
- SELIGMAN, PROF. LESTER G(EOGE), b. Chicago, Ill, Feb. 6, 18; m. 41; c. 2. POLITICAL SCIENCE. A.B. Chicago, 39, Walgreen fel, 40-41, Ph.D. (polit. sci), 47. Instr. POLIT. SCI, Chicago, 47-49, asst, 48-49, asst. prof, 49-53; assoc. prof, OREGON, 58-63, PROF, 63- DIR. POLIT. STUDIES PROG, 57- Mem. soc. sci. res. inst, Brookings Inst, summer, 56; Soc. Sci. Res. Coun. fel, 56-57; Fulbright sr. lectr, Hebrew Univ, Israel, 60-61; vis. prof, Weizmann Inst, 63-64. U.S.A., 42-46, Capt. Polit. Sci. Asn; Sociol. Asn. Politics, especially political parties; political elite recruitment. Publ: Leadership in a new nation, Atherton, 64; co-auth, New Deal mosaic, Univ. Oregon, 65; auth, Leadership: political aspects, In: Encyclopedia of the social sciences, 68. Address: Dept. of Political Science, University of Oregon, Eugene, Ore. 97403.
- SELL, DR. DEWITT E(LLSWORTH), b. Cleveland, Ohio, Mar. 25, 15; m. 43; c. 2. PSYCHOLOGY. B.A. Hiram Col, 37; M.A. Western Reserve, 47, Ph.D. 50. Prof. psychol. & head dept, Huntingdon Col, 48-50; dir. psychol. servs, State Reformatory, Ohio, 50-52; supv. psychologist, Ohio Div. of Correction, 52-63; psychologist, Fed. Reformatory, Chillicothe, Ohio, 63-64; VET. ADMIN. HOSP. ALBUQUERQUE, N.MEX. 64-66; chief day treatment center, 66-67, PSYCHOLOGIST, 87- U.S.A., 42-45, Lt. Fel. Psychol. Asn. Objective test construction and theory; psychotherapeutic counseling; personnel classification. Publ: Ohio penal classification test; co-auth. & ed, Manual of applied correctional psychology; auth, Collector's guide to American cartridge handguns, Stackpole, 63. Address: Veterans Administration Hospital, Albuquerque, N.Mex. 87101.
- SELL, PROF. EDWARD S(COTT), Geog, see 10th ed, Soc. & Behav. Vols.
- SELLERS, MARY H(OPKINS), Anthropol, see 10th ed, Soc. & Behav. Vols.
- SELLEW, DR. GLADYS, Sociol, see 10th ed, Soc. & Behav. Vols.
- SELLIN, PROF. THORSTEN, b. Sweden, Oct. 26, 96; nat; m. 20; c. 3. SOCIOLOGY. A.B. Augustana Col, 15, hon. LL.D. 42; A.M. Pennsylvania, 16, Harrison fel, 20-21, Am. Scandinavian Found. fel, 21, Ph.D.(sociol), 22; Minnesota, 16-20; Paris, 24-25; hon. J.D. Uppsala, 57, Leiden, 60. Instr. SOCIOL, PENNSYLVANIA, 21-22, asst. prof, 22-30, prof, 30-67, EMER. PROF, 67- Lectr, Columbia, 35-46; vis. prof, Uppsala & Lund, 46-47; Princeton, 49; lectr, Cambridge, 51, Fulbright lectr, 59-60; summer vis. prof, California, 58. Consult, Bur. Soc. Hyg, N.Y., 30-33; Swedish Penal Code Cmn, 46-47; Royal Cmn. Capital Punishment, Eng, 51; Joint Cmt. Senate & House of Commons, Ont, 54-55; Am. Law Inst, 54- Secy. gen, Int. Penal & Penitentiary Cmn, Switz, 50-51; chmn. int. adv. cmt. experts penol, UN Soc. Cmn, 53-55; v-pres, Int. Asn. Penal Law, 54-56; Int. Penal & Penitentiary Found, 51-; chmn. Gov. Cmn. Penal & Correctional Affairs, Pa, 56-59. U.S. del, UN World Cong, Switz, 55, Eng, 60; secy. gen, Int. Penal & Penitentiary Coun, Hague, 50, pres, Int. Cong. Criminol, 60. Gold medal, German Criminol. Soc, 64. Fel. AAAS(v-pres, 65); Sociol. Asn; Philos. Soc; Sociol. Res. Asn; Acad. Polit. & Soc. Sci.(ed, 29-); Royal Swedish Soc. Humanistic Knowledge; Int. Soc. Criminol.(pres, 56-66, hon. pres, 66-); Int. Soc. Social Defense (v-pres, 51-). Social and cultural aspects of criminology; criminal statistics; history and comparative criminology and penology. Publ: Co-auth, Measurement of delinquency, Wiley, 64; auth, Pioneering in penology; Culture conflict and crime, Soc. Sci. Res. Coun, 38. Address: 4106 Locust St, Philadelphia, Pa. 19104.
- SELLS, PROF. SAUL B, b. New York, N.Y., Jan. 13, 13; m. 39. PSYCHOLOGY. A.B. Brooklyn Col, 33; Ph.D.(psychol), Columbia, 36. Asst. adult learning, inst. ed. res, Teachers Col, Columbia, 34-36; dir. ed. res, Works Progress Admin, N.Y., 37-39, asst. chief tech. supvr. bd. ed, 39-41; specialist in ed, pub. work reserve, Nat. Resources Planning Bd, D.C., 41-42; chief statistician, Off. Price Admin, 42-44, dep. dir, consumer goods price div, 44-46; dir. sales asst. secy, A.B. Frank Co, 46-48; aviation psychologist, Air Force Sch. Aviation Med, Randolph Field, 48-49, chief dept. med. psychol, 49-58; PROF. PSYCHOL, TEXAS CHRISTIAN, 58- DIR. INST. BEHAV. RES, 62- Asst. Columbia, 37; lectr, grad. sch, Brooklyn Col, 39-41; vis. prof, Texas, 50-51. Head psychol. clin, N.Y. Eye & Ear Infirmary, 40. Consult, Air Force Sch. Aviation Med, 58-59; nat. center health statist, U.S. Pub. Health Serv, 64-; consult. & field reader, U.S. Off. Ed, 65-; res. consult, Nat. Inst. Ment. Health Clin. Res. Center, Tex, 65; consult, U.S. Navy Neuropsychiat. Res. Unit, Calif, 66- Pres, Psychol. Press, Inc, 63- Cover ed, J. Clin. Psychol, 55-; book rev. ed, Psychol. in Schs, 64- Mem. nat. cmt. cumulative records, U.S. Off. Ed, 44; working group personnel selection, panel psychol. & bioastronaut, Nat. Acad. Sci, 60, cmn. on long duration space missions, space sci. bd, 67-; res. career award cmn, Nat. Inst. Gen. Med. Sci, 64-68. Fel. AAAS; fel. Aerospace Med. Asn.(Longacre award, 50); Psychomet. Soc; Statist. Asn; Soc. Multivariate & Exp. Psychol.(treas, 62, pres, 63); Ed. Res. Asn; Soc. Psychol. Study Social Issues, Nat. Ed. Asn. Personnel research in selection and proficiency measurement; aviation and space human factors problems; personality and social psychology; group dynamics, especially leadership and group effectiveness. Publ: Essentials of psychology, 62 & auth. & ed, Stimulus determinants of behavior, 63, Ronald; auth, Ecology and the science of psychology, Multivariate Behav. Res, 66. Address: 3204 Sweetbriar Lane, Ft. Worth, Tex. 76109.
- SELTZ, DR. CLAIRE A, b. Mt. Vernon, N.Y., Nov. 27, 14. SOCIAL PSYCHOLOGY. B.A. New Sch. Soc. Res, 51; M.A., N.Y. Univ, 56, Ph.D.(psychol), 61. Res. assoc. intergroup rels, cmn. community interrelations, Am. Jewish Cong, 45-51; asst. res. scientist soc. psychol, res. center human rels, N.Y. Univ, 51-61, res. scientist, 61-64; ASSOC. PROF. PSYCHOL, CITY COL. NEW YORK, 64- Fulbright res. grant, France, 62. Psychol. Asn. Intergroup relations; attitude measurement; compensatory education for disadvantaged. Publ: Co-auth, How to conduct a community self-survey of civil rights, Research methods in social relations & Attitudes and social relations of foreign students in the United States. Address: 315 E. 88th St, New York, N.Y. 10028.
- SELMAN, PROF. JACKSON WILEY, b. Gadsden, Ala, Sept. 29, 23; m. 49; c. 3. POLITICAL SCIENCE. B.S. Alabama, 43, LL.B., 47, M.A., 52; Ph.D.(polit. sci), North Carolina, 55. Legal officer, State Hwy. Dept, Ala, 48-51; asst, Alabama, 51-52; asst. prof. POLIT. SCI, Va. Polytech, 55-57; Ga. State Col, 57-58; assoc. prof, JACKSONVILLE STATE, 58-63, PROF, 63- U.S.A., 43-46. Nat. Ed. Asn. Electoral reforms in the election of the President; legislative reapportionment in the state legislatures; proper role of the judiciary in the American system of government. Address: Dept. of Political Science, Jacksonville State University, Jacksonville, Ala. 36265.
- SELOVER, DR. ROBERT B(RIGGS), b. Delaware, Ohio, May 25, 12; m. 40; c. 2. APPLIED PSYCHOLOGY. A.B. Ohio, 35, M.A., 36; Ph.D.(psychol), Minnesota, 40. Instr. psychol, Minnesota, 39-40; assoc. personnel technician, Adj. Gen. Off, U.S. War Dept, 41; PRUDENTIAL INS. CO. AM, 41-48, DIR. PERSONNEL RES, 48- U.S.N.A.F., 42-45. AAAS; Psychol. Asn. Selection; training; measurement. Address: Prudential Insurance Co. of America, Newark, N.J. 07101.
- SELTZER, DR. CARL COLEMAN, Phys. Anthropol, see 11th ed, Phys. & Biol. Vols.
- SELTZER, PROF. GEORGE, b. Chicago, Ill, May 26, 18; m. 46; c. 4. ECONOMICS. A.B. Chicago, 40, Ph.D.(econ), 56. Economist, surplus mkt. admin, U.S. Dept. Agr, 41; asst. dir. labor prod. div, War Prod. Bd, 41-45; sr. economist, anti-trust div, U.S. Dept. Justice, 45-51; spec. asst. to secy, U.S. Dept. Commerce, 51; dir. prog. planning staff & exec. dir, Econ. Stabilization Agency, 51-53; mem. prog. planning staff & spec. asst. to gen. counsel, Off. Defense Mobilization, 53-54; vis. assoc. prof. & lectr, SCH. BUS. ADMIN, MINNESOTA, MINNEAPOLIS, 54-57, assoc. prof, 57-59, PROF. POLIT. ECON. & INDUST. RELS, 59- ASSOC. DEAN ACAD. AFFAIRS, 65- Res. assoc, Chicago, 48-49; pub. mem. & secy, State Cmn. Withholding Taxes, Minn, 55-56; mem. governor's task force, State Labor Rels. Legis, 61; Governor's Manpower Coun, 66; chmn. Governor's Cmt. Unemploy. Ins, 68; mem. brain-drain panel, Adlai Stevenson Inst. Int. Affairs. Consult, Off.

Defense Mobilization, 54-; U.S. Dept. Labor, 60. Econ. Asn; Indust. Rels. Res. Asn. Relationships of government and business; labor economics; economics of particular industries; basic steel. Publ: Pattern bargaining and the United Steel Workers, J. Polit. Econ; Economic guidelines for unemployment insurance; high-level manpower in Nyasaland's development, 65. Address: School of Business Administration, University of Minnesota, Minneapolis, Minn. 55455.

SELTZER, PROF. LAWRENCE H(OWARD), b. New York, N.Y., May 2, 97; m. 28; c. 2. ECONOMICS. A.B. Michigan, 20, A.M., 21, Ph.D., 25. Instr. ECON. & SOCIOL., WAYNE STATE, 21-25, asst. prof., 25-27, assoc. prof., 27-34, PROF., 34-, Franklin Mem. lectr., 62. Vis. prof., California, 50; Michigan, 59; distinguished vis. prof., Swarthmore Col., 66-67; vis. prof., Wharton Sch. Finance & Commerce, Pennsylvania, 67. Tech. adv. labor adv. bd, Nat. Recovery Admin, 33; head economist & asst. dir. res. & statist., U.S. Treas., 34-39, consult., 42-53, 61-66; expert asst. to dep. gov. in charge finance, Farm Credit Admin, 34. Consult., Fed. Reserve Bank N.Y., 40, 45; div. econ. affairs, UN, 51. Chmn. cmt. fiscal res. & mem. res. staff, Nat. Bur. Econ. Res., 50-; chmn. exec. bd, joint inst. labor & indust. rels., Michigan-Wayne State, 61-; Hart, Schaffner & Marx prize, 28. Econ. Asn; Finance Asn. (v-pres., 47-49). Public finance; money and banking; economic theory and policy. Publ: Financial history of the American automobile industry; Fiscal planning for total war; Nature and tax treatment of capital gains and losses. Address: 19475 Stratford Rd., Detroit, Mich. 48221.

SELTZER, NORMAN, b. New York, N.Y., June 12, 27; m. 59. ECONOMICS, INDUSTRIAL RELATIONS. B.S. City Col. New York, 48; M.A., Illinois 50. Labor economist, bur. labor statist., U.S. Dept. Labor, 50-56; indust. rel. analyst, training dept., Ford Motor Co., 56-60; labor economist, SCI. MAN-POWER STUDIES, NAT. SCI. FOUND., 60-66, STUDY DIR., 66- U.S.N., 45-46. Indust. Rels. Res. Asn; Econ. Asn. Studies of employment, mobility, supply, utilization and training and their various interrelationships of professional, scientific and technical personnel. Publ: Scientific and technical manpower resources, Nat. Sci. Found., 65. Address: 10713 Eastwood Ave., Silver Spring, Md. 20901.

SELTZER, DR. RAYMOND E(UGENE), b. Elmwood, Ill., Apr. 29, 18; m. 43; c. 3. AGRICULTURAL ECONOMICS. B.S. Illinois, 40; M.S. Kansas State, 42; Ph.D.(agr. econ), California, 57. From asst. prof. to prof. agr. econ, Arizona, 47-61, head dept., 57-61, from asst. agr. economist to assoc. agr. economist, 47-61; dir. econ. res., AGRI RES. DIV., DUNLAP & ASSOCS., INC., 61-64, v-pres., 64-65, PRES., 65- U.S.A., 42-45, Maj. Agr. Econ. Asn. Marketing; livestock; grapefruit; agricultural feasibility analyses; economics of agricultural development; market surveys. Publ: Desert grapefruit goes to market; Economic and technical feasibility of expanding the manufacture and use of fertilizers in Brazil; The Los Angeles market for Western cattle, Ariz. Agr. Exp. Sta. Bull. Address: 815 Wildcat Ridge, Manhattan, Kans. 66502.

SELTZER, PROF. ROBERT D(ANIELS), b. Philadelphia, Pa., Sept. 7, 13; m. 45; c. 3. POLITICAL SCIENCE. A.B. Pennsylvania, 34, M.S. 36; Ph.D., Indiana, 52. Assoc. camp dir., YMCA, Pa., 30-36; instr. pub. sch., Del., 36-39; Am. & city govt., Wharton Sch. Finance & Commerce, Pennsylvania, 39-41; asst. prof. polit. & soc. sci., Mich. State, 46-48; PROF. GOVT. & SOC. SCI., INDIANA STATE, 48- Correspondent, Phila. Eve. Bull., 31-36. Mem. Citizens Speakers Bur. Hoover Cmn., 50-52; bd. dirs., Indiana Clearing House Ed. & Polit., 53- U.S.N.R., 42-46, 48-58, Lt. Comdr. Acad. Polit. & Soc. Sci; Polit. Sci. Asn. State and local governments; metropolitan problems; intergovernmental relations; Indiana State constitution revision; higher education; legislative councils; model state courts; legislative process, especially state; reapportionment and redistricting state legislatures. Publ: Rotten boroughism in Indiana, Indiana Univ., 52. Address: Dept. of Political Science, Indiana State University, Terre Haute, Ind. 47809.

SELVIN, PROF. HANAN C(HARLES), b. New York, N.Y., Sept. 19, 21; m. 52; c. 2. SOCIOLOGY. A.B. Columbia, 42, Ph.D.(sociol.), 56. Res. assoc. bur. appl. soc. res., Columbia, 50-55, lectr. sociol. univ., 55-56; asst. prof., California, Berkeley, 56-60, assoc. prof., 60-63; sr. fel., Nat. Sci. Found., 63-64; PROF. SOCIOL. & CHMN. DEPT., Rochester, 64-67; STATE UNIV. N.Y. STONY BROOK, 67- U.S.A.-A.F., 43-46, 1st Lt. Fel. Social. Asn; Asn. Pub. Opinion Res. Methodology; sociology of higher education. Publ: Effects of leadership, 60; co-auth. Delinquency research, Macmillan, 67; auth. Survey analysis, In: International encyclopedia of the social sciences, 68. Address: Dept. of Sociology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.

SELZER, PROF. WILL JOSEPH, b. Irvington, N.J., Dec. 13, 20; m. 52. POLITICAL SCIENCE. A.B. Princeton, 47; M.A. Pennsylvania, 49, Ph.D., 59. Instr. POLIT. SCI., Drexel Inst., 50-53, asst. prof., 53-59, assoc. prof., 59-63, prof., 63-65; assoc. prof., ROANOKE COL., 65-68, PROF., 68-, CHMN. DEPT., 67- Vis. prof., Pennsylvania, 60-61. U.S.M.C., 42-45, Sgt. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. American Constitutional law; international relations; United States foreign policy. Address: Dept. of Political Science, Roanoke College, Salem, Va. 24153.

SELZNICK, PROF. PHILIP, b. Newark, N.J., Jan. 8, 19; m. 39; c. 1. SOCIOLOGY. Soc. Sci. Res. Coun. fel., Columbia, 42-43, Ph.D.(sociol.), 47. Instr. SOCIOL., Minnesota, 46-47; asst. prof., CALIFORNIA, Los Angeles, 47-52, BERKELEY, 52-54, assoc. prof., 54-57, PROF., 57-, CHMN. CENTER STUDY LAW & SOC., 61- Soc. Sci. Res. Coun. faculty res. fel., 55-57; sr. fel. law & behav. sci., Chicago, 56-57; fel. Center Adv. Study Behav. Sci., 60-61. Consult., Rand Corp., 48-52; Fund for Repub., 57- U.S.A., 43-46. Sociol. Asn; fel. Am. Acad. Arts & Sci. Sociology of large-scale organizations and law. Publ: TVA and the grass roots; The organizational weapon; Leadership in administration. Address: Dept. of Sociology, University of California, Berkeley, Calif. 94720.

SEMAN, CATHERINE B(ERG), b. Marietta, Ohio, Nov. 27, 08; m. 28; c. 2. PSYCHOLOGY. A.B., Ohio State, 29, M.A., 33; Western Reserve, 47-48; Ohio, 53-59. From instr. Eng. to assoc. prof. psychol. & dean women, Youngstown.

36-44; psychologist, Mahoning County Family Serv., Ohio, 45-46; asst. prof. psychol., Hiram Col., 46-47; psychologist clin. psychol., Woodside Receiving Hosp., Youngstown, Ohio, 47-48; St. Joseph Mercy Hosp., Sioux City, Iowa, 50-51; chief psychologist, Athens State Hosp., 52-62; psychologist, Southeast. Ohio Guid. Center, Athens, 62-63; instr. PSYCHOL., OHIO, 63-66, lectr., 66-67, ASST. CHMN. DEPT., 67- Psychol. Asn. Alcoholic deterioration; use of puppets in group therapy; semantic differential. Publ: Use of the semantic differential with lobotomized psychotics, J. Consult. Psychol. Address: R.D. 4, Athens, Ohio. 45701.

SEMENOFF, DR. WILLIAM A(LEX), b. Sheridan, Calif., Dec. 17, 25; m. 55; c. 3. PSYCHOLOGY. A.B. California, Berkeley, 53, M.A. San Jose State Col., 58; Ph.D.(psychol.), Washington State, 61. ASST. PROF. psychol. & ed., Colorado State, 59-62; PSYCHOL., SAN JOSE STATE COL., 62- U.S.N., 43-46, Psychol. Asn. Auditory functions in primates; sources of variance in psychological test scores. Publ: Co-auth. Comparison of the auditory acuity of man and monkey, J. Comp. & Physiol. Psychol., 64. Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 95114.

SEMKE, DR. CHARLES W(ESLEY), b. Oklahoma City, Okla., Dec. 11, 24; m. 46; c. 2. CLINICAL PSYCHOLOGY. B.A. Westmar Col., 45; B.D. Evangel. Theol. Sem., 48; Fulbright fel., Marburg, 54-55; Nat. Inst. Ment. Health grant, Boston, 58-59, M.A., 59; Ph.D.(group ther), Colorado, 67. Minister, Highland Evangel. United Brethren Church, 49-54; psychologist, Mass. Gen. Hosp., 58-59; instr. psychol., WESTMAR COL., 59-62, asst. prof., 62-65, ASSOC. PROF. PSYCHOL. & DIR. COUNSELING, 65- Nat. Asn. For. Student Affairs res. grant higher ed. in India, 65; summers, psychologist, Ment. Health Inst., Cherokee, Ia., 60, 61, participant, N.Cent. Asn. summer workshop study orientation, Michigan, 63. Psychol. Asn; Personnel & Guid. Asn. Effects on mood and motivation of the use of drugs; use of one-to-one relationship counseling with delinquents; group therapy with college under-achievers. Publ: Co-auth. The effect of morphine on the subjective response of hunger in normal subjects, 5/59 & Objective evidence of mental effects of heroin, morphine and placebo in normal subjects, 4/62, J. Pharmacol. & Exp. Therapeut.; auth. What about our moods, Builders, 7/65. Address: Dept. of Psychology, Westmar College, Le Mars, Iowa 51031.

SEMMEL, PROF. BERNARD, Mod. Brit. & European Intellectual Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SEMMES, DR. JOSEPHINE, Physiol. Psychol., see 11th ed, Phys. & Biol. Vols.

SEMRAD, DR. ELVIN VAVRINEC, Neurol. Psychiat., see 11th ed, Phys. & Biol. Vols.

SEN, DR. PRANAB KUMAR, b. Calcutta, India, Nov. 7, 37; m. 63; c. 1. MATHEMATICAL STATISTICS, BIOSTATISTICS. B.Sc. Calcutta, 55, M.Sc., 57, univ. scholar, 58, Ph.D.(statist.), 62. Lectr. statist., Calcutta, 61-64; vis. asst. prof., California, Berkeley, 64-65; biostatist., NORTH CAROLINA, CHAPEL HILL, 65-66, vis. assoc. prof., 66-67, ASSOC. PROF. STATIST. & BIOSTATIST., 67- Res. grants, U.S. Pub. Health Serv., 65-; U.S. Army Res. Office-Durham, 65- Inst. Math. Statist; Statist. Asn. Nonparametric and multivariate statistical techniques; order statistics; biometry. Address: 402 Thornwood Dr., Chapel Hill, N.C. 27514.

SEN, DR. TAPAS KUMAR, b. Calcutta, India, Mar. 1, 33; m. 66. PSYCHOLOGY, HUMAN FACTORS ENGINEERING. B.S. Calcutta, 51, M.S., 54; fel., Hopkins, 59-62, Ph.D.(psychol.), 63. Res. scholar statist., Indian Statist. Inst., 55-59; assoc. psychologist, appl. physics lab., Hopkins, 60-63; MEM. TECH. STAFF, SYSTS. ENG. DIV., BELL TEL. LABS., 63- Adj. asst. prof., N.Y. Univ., 65-66. AAAS; Psychol. Asn; Human Factors Soc; Optical Soc. Am. Visual perception; human factors in communication, audio and visual. Publ: Development of a new introversion-extraversion inventory, Psychologia, 57; Influence of size and brightness parameters on flicker perception, 63 & Visual responses to two alternating trains of high-frequency intermittent stimuli, 64, J. Optical Soc. Address: Systems Engineering Division, Bell Telephone Labs., Holmdel, N.J. 07733.

SENCER, DR. ROBERT A(BNER), Commun. Theory, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

SENDERLING, DR. ELLWOOD W(ESLEY), b. Philadelphia, Pa., July 3, 08; m. 3; c. 3. PSYCHOLOGY. B.S., Temple, 32; M.A., Ohio State, 34, Ph.D.(clin. psychol.), 39. Asst. prof. psychol., consult. clin. psychol., exten. div. & dir. psychol. clin. Alabama, 39-42; consult. psychologist, Rohrer, Hibler & Replogle, 46-53, partner, 53-58; private practice 58-61; partner, Nordli, Wilson Assocs., Chicago, 61-66; COUNSELING PSYCHOLOGIST, STUDENT COUNSELING CENTER, CALIFORNIA, LOS ANGELES, 67- Private practice, 66- Dipl. Am. Bd. Exam. Princl. Psychol. U.S.A., 42-45, Capt. Fel. Psychol. Asn. Clinical psychology. Address: 816 S. Bundy Dr., Los Angeles, Calif. 90049.

SENDERS, JOHN W(ARREN), Eng, Psychol., see 11th ed, Phys. & Biol. Vols.

SENDERS, DR. VIRGINIA L(OFTUS), b. New York, N.Y., Apr. 21, 23; m. 45; c. 2. PSYCHOLOGY. A.B. Mt. Holyoke Col., 43; fel., Harvard, 44-47; A.M., Radcliffe Col., 45, Ph.D.(psychol.), 47. Ed. asst. psychol., Harvard, 44, asst. psychoacoustic lab., 45, dept. biol., 46-47; instr. psychol., Wellesley Col., 47-50; dir. aviation psychol. res. proj. & assoc. prof. psychol., Antioch Col., 50-57; lectr., Minnesota, 57-62; co-dir. & coordinator women's continuing ed. prog., 60-62; consult. & lectr. women's ed., 62-63; assoc. dir., New Eng. Bd. Higher Ed., 63-66; prof. psychol. & dir. career planning & counseling center, Simmons Col., 66-68; FEL., MCLEAN HOSP., 68- Mem. ed. cmt., President's Cmn. Status Women, 62-64. AAAS; fel. Psychol. Asn; Psychonomic Soc. Human engineering; psychophysics; higher education of women. Publ: Measurement and statistics; Physiological basis of visual acuity, Psychol. Bull.; Minnesota plan for women's continuing education: a progress report, Ed. Record. Address: Conant Rd., R.F.D. 1, Lincoln, Mass. 01773.

SENESH, PROF. LAWRENCE, b. Nagybecskerek, Hungary, Mar. 27, 10; U.S. citizen; m. 43. ECONOMICS. B.Econ, Berlin, 32; LL.M. Eötvös Lóránd, Budapest, 38; London, 52. Assoc. prof. soc. sci. asst. dir. teaching inst. econ. & dir. creative graphics, Denver, 46-52; staff economist, Joint Coun. Econ. Ed, 52-57; PROF. ECON. ED, PURDUE, 57- Res. grants, Carnegie Corp, Ford Found, John Best & Sci. Res. Assocs, Inc, Chicago. U.S.A., 42-45, M/Sgt; Bronze Star Medal. Economic education; research and publication of materials for use in elementary grades to teach economic education and to relate it to other social sciences. Publ: Our working world series, Grade I, Families at work, 64, Grade II, Neighbors at work, 65 & Grade III, Cities at work 67, Sci. Res. Assocs, Inc, Chicago; co-auth, Teaching economics, Econ. Assn, Eng, 67; auth, The pattern of the economic curriculum, Soc. Ed. J., 1/68. Address: Dept. of Economics, Krannert Bldg, Purdue University, Lafayette, Ind. 47907.

SENF, DR. RITA, b. Dayton, Ohio, Sept. 30, 20. PSYCHOLOGY. B.A. Antioch Col, 45; M.A. Iowa, 47, Ph.D. (exp. clin. psychol), 55. Col. exam, Antioch Col, 43-45; clin. psychologist, Univ. Hosp., Iowa, 46, res. assoc. dept. psychiat, Psychopath. Hosp, 47-55; res. psychologist, Lafayette Clin. & asst. prof. dept. psychol, Wayne State, 55-62; res. ed, Advert. Res. Found, 62-63; dir. res, Child Guid. Inst, Jewish Bd. Guardians, 63-65; SR. STAFF ASSOC, CENTER URBAN ED, 63- Psychol. Asn; Ed. Res. Asn. Experimental psychopathology; research on schizophrenia; research design; educational research and evaluation. Publ: Co-auth, Thinking deficit in schizophrenia and changes with amytal, J. Abnorm. & Soc. Psychol, 55, Energy production and premorbid history in schizophrenia, Am. Med. Asn. Arch. Gen. Psychiat, 63 & A short-term treatment program within a child guidance clinic, Soc. Work, 68. Address: Apt. 6 E, 455 W. 23rd St, New York, N.Y. 10011.

SENGER, DR. JOHN D(AVID), b. Rochelle, Ill, Feb. 21, 22; m. 53; c. 2. BEHAVIORAL SCIENCE. B.S. Illinois, 45, M.S. 48, Ph.D. (bus. admin), 65; Stanford, 57-59. Indust. engr, J.I. Case Co, 45-46; asst. instr. mgt, Illinois, 46-48, instr, 48-50; indust. engr, Englander Co, 50-51; mgt. engr, Cresap McCormick & Paget, 51-55; Gardner Bd. & Carton Co, 55-57; ASSOC. PROF. indust. mgt, NAVAL POSTGRAD. SCH, 57-62, BEHAV. SCI, 62- Off. Naval Res. Found. summer grant, west. mgt. sci. inst, Illinois, 66. Consult, Naval Personnel Res. Activity, 66-67; Litton Sci. Support Lab, 67-Acad. Mgt. Personality assessment; leadership and group behavior; organization theory. Publ: Executives values and executives goals, Bus. Res. Bur, Southern Illinois, 66; Similarities and conflicts in the personal values of managers and their subordinates, Inst. Mgt. Sci, 68. Address: Dept. of Behavioral Science, Naval Postgraduate School, Monterey, Calif. 93940.

SENGSTOCK, DR. MARY C(ATHERINE), b. Detroit, Mich, Mar. 24, 36; m. 62; c. 1. SOCIOLOGY. Ph.B. Detroit, 58; A.M. Michigan, 60; Ph.D. (sociol), Washington (St. Louis), 67. Instr. sociol, WAYNE STATE, 66-67, ASST. PROF, 67- Sociol. Asn. Ethnic groups and their relation to other social units; impact of social phenomena on law; bureaucratic structure and process; inter-group relations. Publ: Co-auth, Discrimination: a constitutional dilemma, William & Mary Law Rev, fall 67 & The corporation and the ghetto, J. Urban Law, spring 68. Address: Dept. of Sociology & Anthropology, Wayne State University, Detroit, Mich. 48202.

SENGUPTA, PROF. JATI K, b. Rampurhat, India, Jan. 3, 34; m. 65. ECONOMICS, OPERATIONS RESEARCH. M.A. Calcutta, 55; Ph.D. (economy), Iowa State, 62. Asst. prof. econ, Iowa State, 62-63, assoc. prof, 63-64; PROF, Indian Inst. Mgt, Calcutta, 64-66; ECON. & STATIST, IOWA STATE, 66- Economet. Soc. Econometrics. Publ: Co-auth, The theory of quantitative economic policy, Rand McNally, 68. Address: Dept. of Economics, 207 East Hall, Iowa State University, Ames, Iowa 50010.

SENIOR, PROF. CLARENCE, b. Clinton, Mo, June 9, 03. SOCIOLOGY. A.B. Kansas, 27; A.M. Univ. Kansas City, 41; Ph.D. Columbia, 55. Dir. Inst. Inter-Am. Affairs, Univ. Kansas City, 40-42; mem. Latin Am. Div. For. Econ. Admin, 42-45; dir. soc. sci. res. center, Puerto Rico, 45-48; assoc. dir. study Puerto Rican migration to New York, Columbia, 48-50, lectr. SOCIOL, 50-60; PROF, BROOKLYN COL, 61- Chief migration dir, Dept. Labor, P.R., 51-60. Consult, Econ. Cmn. Latin Am, UN, 50-51; Am. Soc. Planning Off, 60- Mem. Bd. Ed, New York, 61- Sociol. Asn; Rural Sociol. Soc; Pop. Asn; Int. Union Sci. Study Pop. Demographic, social, political and developmental problems of Latin America, especially on migration and immigration; disequilibrium of population and resources in Puerto Rico; immigration in Brazil and Chile; land reform in Mexico; West Indian migration to Great Britain. Publ: Co-auth, The Puerto Rican journey, Harper, 50; auth, Land reform and democracy, Univ. Florida, 58; Our citizens from the Caribbean, McGraw, 65. Address: 15 Claremont Ave, New York, N.Y. 10027.

SENER, PROF. HERMAN L(OUIS), b. New York, N.Y., Jan. 9, 09; m. 35; c. 2. BUSINESS ADMINISTRATION. B.S. Manhattan Col, 30; M.B.A. Harvard, 32; D.C.S. N.Y. Univ, 39. Assoc. prof. bus. admin, sch. bus, Manhattan Col, 32-41; assoc. prof. bus. admin. & head acct. dept, Hudson Col, 35-41; PROF. BUS. ADMIN. & HEAD DEPT, SCRANTON, 46- Consult, Scranton, Pa, 64- Pro Deo et Universitatis award, Scranton, 66. U.S.A., 41-46, Lt. Col. Finance Asn; Mgt. Asn; Am. Acct. Asn. Corporation finance; money and banking; credits and collections. Publ: Economics of business: Financing of business; Money and credit. Address: Dept. of Business Administration, University of Scranton, Linden & Monroe, Scranton, Pa. 18510.

SENKIER, DR. ROBERT JOSEPH, b. Poughkeepsie, N.Y., May 31, 16; m. 41; c. 2. POLITICAL SCIENCE, ECONOMICS. A.B. Columbia, 39, A.M. 40, Ed.D. (bus. & univ. admin), 61. Instr, high sch, N.Y., 45-48; dir. prnl. schs. admissions, Columbia, 48-57, asst. dean, M.B.A. prog, grad. sch. bus, 57-62; PROF. MGT. & DEAN SCH. BUS, SETON HALL, 62- Mgt. ed. consult, State Farm Ins. Co, 62- U.S.N., 40-45, Res. Lt. Comdr. Acad. Mgt; Econ. Asn; Polit. Sci. Asn. Human behavior in organizations; developing management talent in Catholic colleges and universities. Publ: Revising a business curriculum—the Columbia experience, Columbia, 61; co-auth, An economic base study of Newark, N.J., Newark Housing Authority, 64; auth, Image: Another view of the role of the American Association of Collegiate Schools of Business, Prof. Annual Meeting AACSB, 67. Address: Seton Hall University School of Business, South Orange, N.J. 07079.

SENN, DR. DAVID J(AMES), b. Loveland, Colo, Nov. 12, 40; m. 63; c. 1. PSYCHOLOGY. B.A. N.Cent. Col. (Ill), 62; M.A. Northern Illinois, 64; Ph.D. (psychol), Massachusetts, Amherst, 67. ASST. PROF. PSYCHOL, FRANKLIN & MARSHALL COL, 67- Psychol. Asn; Soc. Psychol. Study Social Issues. Determinants of interpersonal attraction in same-sex and opposite-sex relationships; coalition formation and bargaining in small groups; attitude change. Publ: Co-auth, Comparison of scaling methods: paired comparisons versus constant-sum, Perceptual & Motor Skills, 66, Disclosure of feelings in marriage, Merrill-Palmer Quart, 67 & Summation and contrast effects in impression formation, J. Personality & Soc. Psychol, (in press), Address: Dept. of Psychology, Franklin & Marshall College, Lancaster, Pa. 17604.

SENN, PROF. PETER R(ICHARD), b. Milwaukee, Wis, Nov. 22, 23; m. 47; c. 2. ECONOMICS. M.A. Chicago, 47; dipl. econ. sci, Paris, 49, Dr. en droit, 51. Asst. prof. econ, Pa. State, 50-52; assoc. prof, Wright Jr. Col, 53-59; asst. dir. ethical & moral standards proj, Nat. Inst. Labor Ed, 60-61; TV coordinator, Am. Econ. Chicago Bd. Ed, 62; prof. econ. & proj. dir. Chicago area plan for workers' ment. health, Roosevelt, 63-64; PROF. ECON, CHICAGO CITY COL, WRIGHT CAMPUS, 64- Instr, inst. labor & indust. rels, Illinois, Summer, 61; union res. & ed. prog, Chicago, 61-63; schs. ed. & bus, Roosevelt, 61-64; sch. ed, Northwestern, 66. Consult, various individuals & bus, 50-; publishers, 55-; union res. & ed. projs, Univ. Chicago, 58; bus. exec. res. coun. of Chicago, Northwestern, 58-59, soc. studies center, sch. ed, 66; labor ed. div, Roosevelt, 59-64; Soc. Sci. Ed. Consortium, 63-; eval. of nat. tests, Ed. Testing Serv, 63-66; center planning & develop. res, California, Berkeley, 64- Award, inst. cent. banking tech, Fed. Reserve Bank Chicago, 56. U.S.A., 42-46. Econ. Asn. Money and banking; history of economic thought, theory and statistics; history of social science; interrelationships of various social science disciplines and the application of this knowledge to current problems. Publ: Co-auth, Capital requirements for urban development and renewal, McGraw, 61 & Teaching ethics in labor education—with case materials, Nat. Labor Inst. Labor Ed, 62; The methods of social science, Glencoe, (in press). Address: 1121 Hinman Ave, Evanston, Ill. 60202.

SENTER, PROF. R(ODERICK) J(OEL), b. Memphis, Tenn, June 25, 30; m. 50; c. 2. PSYCHOLOGY. B.A. Mississippi, 51, M.A., 53; Ph.D. (psychol), Cincinnati, 56. Instr. PSYCHOL, CINCINNATI, 56-59, asst. prof, 59-64, assoc. prof, 64-67, PROF, 67- Psychol. Asn. Learning; engineering psychology; alcoholism; mnemonics. Publ: Data analysis: an introduction for psychology and education, Scott, (in press); co-auth, Effect of protein deficiency on maze performance, J. Comp. & Physiol. Psychol, 54 & Thiamine as an incentive in inducing alcohol consumption by rats, Quart. J. Studies Alcohol, (in press). Address: Dept. of Psychology, University of Cincinnati, Cincinnati, Ohio. 45221.

SEPMEIER, DR. KURT A, b. Mannheim, Germany, June 29, 01; nat; m. 48; c. 2. ECONOMICS. B.A. Charles Frederick Gym, Mannheim, 19; Ph.D. Heidelberg, 24; Illinois, 26-27; Wichita State, 27-30, 33-40. Prof. econ, Tulsa, 30-32; assoc. econ. & econ. geog, Antioch Col, 32-33; asst. economist, War Labor Bd, 43-44; assoc. economist, Off. Price Admin, 44-45, economist, 45-47; asst. prof. econ, Fla. State, 47-51; orgn. & methods exam, Air Force Armament Center, EGLIN AIR FORCE BASE, 51-56, mgt. analyst, Air Proving Ground Center, 56-59, LECTR. ECON, FLA. STATE UNIV. BOOTSTRAP PROG, 61- U.S.A., 42-43. Address: Box 455, Valparaiso, Fla. 32580.

SERBEIN, PROF. OSCAR N, b. Collins, Iowa, Mar. 31, 19; m. 52; c. 2. BUSINESS ECONOMICS. B.A. Iowa, 40, M.S. 41; Ph.D. (bus. econ), Columbia, 51. Lectr. statist, Columbia, 47-48, assoc. 48-51, asst. prof, 51-56, assoc. prof, 56-59; dir. doctoral prog, GRAD. SCH. BUS, STANFORD, 59-64, PROF. INS, 59- U.S.A.A.F., 42-46, Maj. Social and group insurance; medical economics; survey sampling techniques. Publ: Paying for medical care in the United States, Columbia Press, 53; Educational activities of business, Am. Coun. Ed, 61; co-auth, Property and liability insurance, 4th ed, Irwin, 67. Address: Graduate School of Business, Stanford University, Stanford, Calif. 94305.

SERFLING, PROF. ROBERT E(LTON), Statist, see 11th ed, Phys. & Biol. Vols.

SERGEANT, JOHN C(HENEY), Econ, see 10th ed, Soc. & Behav. Vols.

SERGEANT, DR. RUSSELL L, b. Seattle, Wash, Sept. 2, 30; m. 54; c. 3. SPEECH & HEARING SCIENCE, SPEECH PATHOLOGY. B.A. George Washington, 53; M.A. Maryland, 58; Off. Voc. Rehab. fel, Ohio State, 59, Ph.D. (speech & hearing sci), 62. Speech therapist, Montgomery County Pub. Schs, Md, 56-58; RES. PSYCHOLOGIST, U.S. NAVY SUBMARINE MED. RES. LAB, 60- Mem. cmt. hearing, bioacoustics & biomech, Nat. Acad. Sci-Nat. Res. Coun, 64- Acoustical Soc; Speech & Hearing Asn. Psychoacoustics, with orientation to speech reception and production, including psychological phenomena of man's auditory system, primary auditory abilities and helium speech. Publ: Speech during respiration of a mixture of helium and oxygen, Aerospace Med, 63; The sensory bases of perceiving, In: Introduction to psychology, Saunders, 65; Distortion in verbal communication, In: Hyperbaric environments, Pergamon, 68. Address: 68 Shore Ave, Groton Long Point, Conn. 06340.

SERMAT, DR. VELLO, b. Voru, Estonia, Apr. 19, 25; Can. citizen. PSYCHOLOGY. B.A. Toronto, 57; Woodrow Wilson fel. from Toronto, Yale, 57, M.S. 59, Ph.D. (clin. psychol), 61. From lectr. to asst. prof. PSYCHOL, York (Ont), 61-63; asst. prof, Oregon, 63-67; vis. assoc. prof, Toronto, 67-68; ASSOC. PROF, YORK (ONT), 68- Res. assoc. center res. mgt. sci, California, Berkeley, 66-67. Am. Psychol. Asn; Can. Psychol. Asn. Research on variables affecting cooperation, trust and open communication in game experiments and face-to-face situations between two individuals. Publ: Co-auth, Multidimensional scaling of facial expressions, J. Exp. Psychol, 6/62; auth, The possibility of influencing the other's behavior and cooperation: chicken versus prisoner's dilemma, Can. J. Psychol, 6/67; The effect of an initial cooperative or competitive treatment upon a subject's response to conditional cooperation, Behav. Sci, 7/67. Address: Dept. of Psychology, York University, Downsview, Ont, Can.

SERONSY, DR. LOUISE B(AIRD), b. Menden, Kans. Oct. 7, 08; m. 47. PSYCHOLOGY. B.S. Fort Hays, Kans. State Col. 35; M.A. George Peabody Col. 39; Ph.D.(psychol), Purdue, 47. Asst. prof. appl. design, Purdue, 39-48; asst. prof. PSYCHOL, Tufts, 48-53, res. assoc. 48-66; ASSOC. PROF. BLOOMSBURG STATE COL. 66- Fel. Psychol. Asn. Teaching; human engineering; tests and measurements. Publ: Co-auth, Handbook of human engineering data; Human engineering bibliography; auth, Experimental study of the freshman curriculum in home economics. Address: 14 Central Ave, Carroll Park, Bloomsburg, Pa. 17815.

SEROTA, DR. HERMAN MICHAEL, Psychiat, Psychoanal, see 11th ed, Phys. & Biol. Vols.

SERVICE, PROF. ELMAN ROGERS, b. Tecumseh, Mich, May 18, 15; m. 42. ANTHROPOLOGY. A.B. Michigan, 41; Soc. Sci. Res. Coun. fel, Columbia, 47-48, Ph.D. 50. Instr. ANTHROP, Columbia, 48-51, asst. prof. 51-52; MICHIGAN, 53-57, assoc. prof. 57-61, PROF. 61- U.S.A. 42-46. Anthrop. Asn; Ethnol. Soc.(secy-treas, 50-52). Primitive culture with emphasis on economics and social organization; Indian civilizations of Latin America; economic life of primitive peoples. Publ: Profile of primitive culture; Primitive social organization; co-auth, Evolution and culture. Address: 401 Awixa Rd, Ann Arbor, Mich. 48104.

SESHADRI, DR. V(ANAMAMALAI), b. Madras, India, Apr. 25, 28; m. 49; c. 2. MATHEMATICS, STATISTICS. B.A. Madras, 50, M.A. 57; Ph.D. Okla. State, 61. Teacher, pub. schs, Ceylon, 50-54; asst. lect. math, Mandalay Univ, 54-57; asst. Okla. State, 57-60; asst. prof. Southern Methodist, 60-61, math. statist. 61-66; ASSOC. PROF. MATH, MCGILL, 66- Summer math. statistician, U.S. Naval Weapons Eval. Facility, N.Mex. 59-61. Statist. Asn; Math. Soc; Inst. Math. Statist; Biomet. Soc. Experimental design; Markov chains; estimation. Publ: A note on the unbiasedness of Yates' method of estimation using inter-block information, Ann. Math. Statist, 60; On the estimation of parameters when the observations are subject to measurement error, J. Grad. Res. Center, Southern Methodist, 4/62. Address: Dept. of Mathematics, McConnell Engineering Bldg, McGill University, Montreal, Que, Can.

SESSOMS, DR. HANSON DOUGLAS, b. Wilmington, N.C., July 18, 31; m. 57. SOCIOLOGY. A.B. North Carolina, 53; M.S. Illinois, 54; Ph.D.(recreation ed), N.Y. Univ, 59. Instr. recreation, Illinois, 53-54; sociol. & recreation, NORTH CAROLINA, CHAPEL HILL, 54-59, asst. prof. 59-63, ASSOC. PROF. SOCIOL. & RECREATION & CHMN. CURRICULUM RECREATION ADMIN, 63- Consult, Outdoor Recreation Resources Rev. Cmn, summer, 60: N.C. Recreation Cmnr, 63-; Joseph P. Kennedy, Jr. Found, 64- Mem. recreation rev. cmt, Voc. Rehab. Agency, 67- Nat. Recreation & Park Asn; Soc. Study Social Probs; Soc. Park & Recreation Ed.(v-pres, 67-). Impact of leisure on personality development; role played by leisure and recreation in the formation and solution of various social problems; play and the socialization process. Publ: Glossary of public recreation terms; New bases for planning, Am. J. Planners, 2/64; The mentally handicapped child grows through play, Ment. Retardation, 8/65. Address: School of Education, 110 Pettigrew Hall, University of North Carolina, Chapel Hill, N.C. 27514.

SETH, DR. MADAN G, b. Delhi, India, Jan. 11, 29; m. 66; c. 2. COUNSELING PSYCHOLOGY. B.A. Delhi, 50, M.A. 53; Punjab, India, 53-54; Ed.D.(counseling), Boston, 60. Clin. psychologist, Mass. Correctional Inst, Bridge-water, 59-60, Walpole, 60-61; mem. faculty PSYCHOL, Mohawk Valley Community Col, 61-63; ASSOC. PROF. STATE UNIV. N.Y. COL. POTSDAM, 63- Sr. clin. psychologist, Utica State Hosp, N.Y. 61-63; St. Lawrence State Hosp, Ogdensburg, 63-64 & 65-66; assoc. psychologist, Sunmount State Sch, 66-67. Psychol. Asn. Psychotherapy; measurement and assessment; personality. Address: Dept. of Psychology, State University of New York College at Potsdam, Potsdam, N.Y. 13676.

SETHI, DR. NARENDRA KUMAR, b. Mhow, India, July 12, 35; m. 56; c. 2. MANAGEMENT, BEHAVIORAL SCIENCES. B.A. Agra, 53, M.A. 55; M.A. Calcutta, 56; M.B.A. N.Y. Univ, 61, Ph.D.(mgt), 62. Asst. prof. mgt, Long Island, 62-63; chief sales mgr, Hindustan Aluminum Corp, India, 63-65; asst. prof. MGT, Long Island, 65-66; ASSOC. PROF. ST. JOHN'S (N.Y.), 66- summer res. grant, 67. Acad. Mgt; Inst. Mgt. Sci; Indian Commerce Asn. Organizational behavior; management history; development of international management and comparative management models. Publ: Bibliography of Indian management, Popular, 67; Research model to study organizational change in Indian management, Quart. J. AISEC Int, 1-2/67; The computerized society of tomorrow, Productivity, 9-10/67. Address: Dept. of Management, St. John's University, Grand Central & Utopia Pkwy, Jamaica, N.Y. 11432.

SETHUR, DR. FREDERICK S, b. Mollwitz, Austria, Nov. 16, 96. ECONOMICS. A.M. N.Y. Univ, 30, Ph.D. 34. Tutor German, City Col. New York, 31-34, instr. 34-40, econ, 40-46, asst. prof. 46-54, assoc. prof. 54-66, prof. City Univ. New York, 66-67; RETIRED. Econ. Asn; Mod. Lang. Asn. International trade; economic relations; comparative economic systems. Publ: The Schuman plan and Ruhr coal; Trade unionism and central planning; Austrian steel: development and prospects. Address: 17 Chestnut St, Boston, Mass. 02108.

SETTLES, DR. BARBARA HALLIDAY, b. Columbus, Ohio, Dec. 14, 37; m. 62. SOCIOLOGY. B.Sc. Ohio State, 59, M.Sc. 62, Ph.D.(home econ), 64; Merrill-Palmer Inst, 58. County exten. agent, Coop. Exten. Serv, Ashland, Ohio, 59-61; instr. child develop, Ohio State, 62-63; asst. prof. home econ. & sociol, Otterbein Col, 64-68; ASSOC. PROF. CHILD DEVELOP. & FAMILY LIFE, DELAWARE, 68- Res. consult, Youth Civic Center, Columbus, Ohio, 66-68. Nat. Coun. Family Rel; Am. Sociol. Asn; Rural Sociol. Soc; Home Econ. Asn. Family life; child development; familial orientation of young homemaker in the rural fringe and urban areas; evaluation of youth managed comprehensive social services center in the inner-city, Columbus, Ohio. Address: College of Home Economics, University of Delaware, Newark, Del. 19711.

SETZFAND, DR. WALDAN D(AIBER), b. Englewood, N.J., Jan. 22, 28; m. 50. PERSONNEL & INDUSTRIAL PSYCHOLOGY. A.B. Columbia, 48, M.A. 51,

Ed.D.(personnel psychol), 58. Prog. secy, YMCA, N.J., 48-52; gen. mgr, Saft Corp. Am, 54-55; instr. inst. mgt. & labor rels, Rutgers, 56-57; res. consult, Prudential Life Ins. Co. Am, 57-60; dir. psychol. servs. & exec. search, Maynard Res. Coun, Pittsburgh, Pa, 60-62, staff psychologist, Psychol. Corp, 62-66; ASST. DIR. PSYCHOL. SERV, INDUST. RELS. COUNSELORS, INC, 66- Summer psychol. consult, Gen. Elec. Co, N.Y., 56. U.S.A., 52-54. Psychol. Asn; Personnel & Guid. Asn. Identifying differential patterns of success and failure in sales and management personnel; recruitment, evaluation, selection and development of executive manpower; problems and practices related to vocational guidance. Address: Psychological Services, Industrial Relations Counselors Inc, 1270 Ave. of Americas, New York, N.Y. 10020.

SETZLER, F(RANK) M(ARYL), b. Fremont, Ohio, Sept. 21, 02; m. 30; c. 2. ANTHROPOLOGY, ARCHAEOLOGY. Ph.B. Chicago, 28. Asst. field dir, Ohio State Mus, 25-27; Ind. Archaeol. Surv, 28-30; asst. curator div. archaeol, U.S. NAT. MUS, 30-35, acting head curator DEPT. ANTHROP, 35-37, head curator, 37-61, RES. ASSOC, 61- Dir, Southeast Mus. N.Am. Indian, Marathon, Fla, 61-62. Mem. adv. bd, Nat. Park Serv, secy, 40-52, collab, 52-60, coun. mem, 60-; anthrop. rep, Nat. Res. Coun, 40-42, v.chmn. div. anthrop. & psychol, 42-43. Smithsonian Inst. del, Am. Sci. Cong, 40. Franklin L. Burr award, 50. Fel. AAAS; fel. Anthropol. Asn.(secy, 37-40); fel. Soc. Am. Archaeol. American anthropology; Australian archaeology. Publ: Prehistoric cave culture in Southwestern Texas, Am. Anthropologist; Archaeological perspectives in the Northern Mississippi Valley; co-auth, Dermaloglyphics in Australian aborigines, Am. J. Phys. Anthropol. Address: 950 E. Shore Dr, Culver, Ind. 46511.

SEUFFERLE, PROF. CHARLES H(ENRY), b. Elmwood Place, Ohio, June 28, 17; m. 48; c. 2. AGRICULTURAL ECONOMICS. B.S.A. Purdue, 39, Ph.D. (agr. econ), 52; M.S. Maryland, 40. Jr. agr. economist, div. prog. survs, U.S. Dept. Agr, 40-41, 45-46; from inst. to asst. prof. econ. & agr. econ, Miami (Ohio), 46-50; asst. prof. E.Tex. State Col, 52-55; from asst. prof. to assoc. prof. AGR. ECON, Nevada, 55-63, PROF. 63-, AGR. ECONOMIST, 55-, ASSOC. DEAN COL. AGR, 66-, chmn. dept, 58-63, asst. dean col. agr, 62-66. U.S.A., 41-45, Capt. Econ. Asn; Agr. Econ. Asn. Agricultural marketing, policy, prices and statistics. Address: College of Agriculture, University of Nevada, Reno, Nev. 89507.

SEVEN, DR. MICHAEL J(OHN), b. Chicago, Ill, Dec. 25, 28; m. 52; c. 2. OPERATIONS ANALYSIS. B.S. Illinois, 50; California, Los Angeles, 55; Nat. Insts. Health fel, Claremont Grad. Sch, 63-67, Ph.D.(exp. psychol), 67. Asst. aviation psychol, Illinois, 50-53; soc. scientist, Rand Corp, 53-56; consult. analyst, comput. dept, Gen. Elec. Co, 57-60; mgr. info. sci. sect, ground systs. group, Hughes Aircraft Co, 60-61, sr. scientist, 61-63; asst. prof. PSYCHOL, HARVEY MUDD COL, 65-67, ASSOC. PROF, 67- U.S.N., 44-47. AAAS; Psychol. Asn; Opers. Res. Soc; N.Y. Acad. Sci; Statist. Asn; Human Factors Soc. Investigation of behavioral and physiological mechanisms; information sciences, especially fundamental concepts and systematic methods applicable to command management and information systems. Address: 1250 N. Harvard Ave, Claremont, Calif. 91711.

SEVENICH, PROF. ROMAN RALPH, b. Mayville, Wis, Sept. 17, 99; m. 26; c. 4. BUSINESS ADMINISTRATION, ACCOUNTING. B.S. Marquette, 23, LL.B. 34. Prof. acct, Marquette, 22-33; comptroller, Farm Credit Admin, Minn, 33-41; PROF. ACCT. & CHMN. DEPT. BUS. ADMIN, COL. ST. THOMAS, 41- Co-chmn. Inter-instnl. Coop. for Colls. St. Thomas & St. Catherine under Hill Family Found. res. grant. Am. Acct. Asn; Bar Asn. Systems and procedures. Publ: An amortization formula, 1/67 & Rule of 72, 7/67, J. Acct. Address: 1835 Jefferson Ave, St. Paul, Minn. 55105.

SEVERANCE, DR. MALCOLM FLOYD, b. Colchester, Vt, Oct. 9, 24; m. 52; c. 3. ECONOMICS. B.S. Vermont, 49; M.A. Wisconsin, 51, Ph.D.(econ), 58. From instr. to assoc. prof. econ, VERMONT, 53-62, asst. dean arts & sci, 62-65, dir. instnl. res, 65-67, ASSOC. PROF. ECON. & CHMN. DEPT, 67- Consult, Inst. Ed. Develop, 67- Mem. faculty, Nat. Assn. Mutual Savings Banking Annual Sch, Brown, 61- U.S.N., 45-46, Res, 59-, Lt. Comdr. Econ. Asn; Asn. Instnl. Res. Program budgeting in colleges and universities; monetary theory and policy in the post World War II period. Publ: Co-auth, Business budgeting and the theory of the firm, J. Indust. Econ, 11/60; auth, Program budgeting in a university—a case study, Proc. Asn. Instnl. Res, 68. Address: RFD, Colchester, Vt. 05446.

SEVIER, DR. FRANCIS A(LOYSIUS) C(HARLES), b. Philadelphia, Pa, Sept. 16, 24; m. 57. MATHEMATICS, LAW. B.S. & M.S. Pennsylvania, 47, Ed.D., 55; LL.B. Temple, 61, LL.M. 66. Instr. math, Pa. State, 47-51; aerodynamicist, Bell Aircraft Corp, 51-53; asst. prof. math, Rutgers, 53-57; assoc. prof, Glassboro State Col, 57-58; leader math. anal, Radio Corp. Am, 58-63; TRIAL ATTORNEY, BLACKWELL, WALKER & GRAY, 63- Lectr, Wayne State, 56; Penn Mutual Life Ins. Co, 57-59; vis. prof, West Chester State Col, 61-63; Miami-Dade Jr. Col, 63- Consult, Raytheon Corp, 56-57; Burroughs Corp, 56-58. U.S.N.R., 42-44. Math. Soc; Opers. Res. Soc; Math. Asn. Am; Bar Asn. Applied statistics; regression, correlation and numerical analysis; linear discriminant functions; evidence; torts; civil procedure; medico-legal problems. Publ: College algebra, Pitman, 55; The hazards of medical treatment, Am. Bar Asn, 67; Testing the assumptions underlying multiple regression, J. Exp. Ed, 25: 323-330. Address: 9400 S.W. 62nd Court, Miami, Fla. 33156.

SEVIER, PROF. JOHN C(HARLES), b. Brooklyn, N.Y., Feb. 23, 22; m. 47. ECONOMICS. B.S. City Col. New York, 41; B.S. Temple, 53; M.A. Pennsylvania, 54. Agencies statistician, Fidelity Mutual Life Ins. Co, 47-49; instr. finance, Wharton Sch, Pennsylvania, 53-54; acct, Pa. Mil. Col, 54-55, bus. admin, 55-56, asst. prof, 56; instr. MGT, Temple, 56-65; ASST. PROF. PMC COLS, 65-, ASST. DEAN EVE. DIV. 66- Exam, Am. Inst. Casualty & Property Underwriting, 60- U.S.A., 42-48. Econ. Asn; Statist. Asn; Acad. Polit. & Soc. Sci; Am. Acct. Asn; Acad. Econ. & Polit. Sci; Inst. Mgt; Mgt. Asn; Finance Asn. Oligopoly price practices in the heavy industries of the United States. Publ: Co-auth, Experience rating in unemployment compensation in Pennsylvania; auth, Insurance reserves and savings, J. Risk

- & Ins, 60; co-auth. Fraternal associations, In: Encyclopedia Britannica, 62. Address: Dept. of Economics & Management, PMC Colleges, Chester, Pa. 19013.
- SEVIN, CHARLES H(ENRY), b. Chicago, Ill, Apr. 29, 10. BUSINESS ADMINISTRATION, ECONOMICS. Ph.B. Chicago, 31, M.B.A., 41. From chief distribution cost sect, off. domestic commerce to chief construction statist. br. bus. & defense servs. admin, U.S. Dept. Commerce, D.C., 38-55; v.pres, Alderson Assocs, Inc, 55-64; sr. consult, Lybrand, Ross Bros. & Montgomery, 64-66; DIR. RES. MKT. DIV. BUS. & DEFENSE SERV. ADMIN, U.S. DEPT. COMMERCE, 66- Mkt. Asn.(award, 49); Econ. Asn. Marketing; management consulting. Publ: Marketing productivity analysis, McGraw, 65; How manufacturers reduce their distribution costs; Distribution cost analysis, Govt. Printing Off. Address: Apt. 1401, 5101 River Rd, Washington, D.C. 20016.
- SEWARD, PROF. GEORGENE H(OFFMAN), b. Washington, D.C., Jan. 21, 02; m. 27; c. 2. PSYCHOLOGY. B.A. Columbia, 23, Curtis scholar, 23-24, M.A., 24, Ph.D.(psychol), 28. Instr. ed, Hunter Col, 29-30; PSYCHOL, Barnard Col, Columbia, 30-37; asst. prof. & co-dir. psychol. lab, Conn. Col, 37-45; asst. prof, SOUTHERN CALIFORNIA, 46-48, assoc. prof, 48-58, PROF, 58- Consult, Vet. Admin, 47-, Los Angeles Psychiat. Serv, 60- Fel. Psychol. Asn. Reproductive functions; culture and personality; social psychiatry. Publ: Clinical studies in culture conflict; Comparative study of social sex roles in the United States and the two Germanies, Karger, 68; co-auth, Sex roles in changing society, Random, in press. Address: Dept. of Psychology, University of Southern California, Los Angeles, Calif. 90007.
- SEWARD, PROF. JOHN P(ERRY), b. New York, N.Y., Apr. 24, 05; m. 27; c. 2. PSYCHOLOGY. A.B. Cornell, 26; A.M. Columbia, 27, Ph.D.(psychol), 31. Instr. PSYCHOL, Columbia, 31-37; asst. prof, Conn. Col, 37-45; assoc. prof, Boston, 45-46; asst. prof, CALIFORNIA, LOS ANGELES, 46-48, assoc. prof, 48-54, PROF, 54- Vis. fel, Yale, 44-45. Fel. Psychol. Asn. Motivation; learning; behavior theory. Address: Dept. of Psychology, University of California, Los Angeles, Calif. 90024.
- SEWELL, DR. GRANVILLE HARDWICK, b. New Orleans, La, July 5, 33; m. 56; c. 4. REGIONAL & URBAN PLANNING. S.B. Mass. Inst. Tech, 59, Ph.D., 66. Journalist, NATO, 54-56; instr. int. rels, Mass. Inst. Tech, 60-63; assoc. chief develop. econ, Battelle Mem. Inst, 63-67; ASSOC. PROF. URBAN PLANNING, COLUMBIA, 66- Soc. Civil Eng; Econ. Asn; Polit. Sci. Asn; Soc. Int. Develop. Physical and social development research and planning for urban areas, particularly in developing countries; dams, roads, airports, parks, water supply and sewerage plants on all major continents. Address: 485 Engle St, Englewood, N.J. 07631.
- SEWELL, DR. JAMES PATRICK, b. Wichita Falls, Tex, Apr. 5, 30; m. 57; c. 3. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.S. N.Tex. State Col, 51, M.Ed, 52; Carnegie Found. fel, California, Berkeley, 61-62, Ph.D.(polit. sci), 62. Vis. lectr. govt, Univ. Col. Rhodesia & Nyasaland, 62-63; asst. prof. POLIT. SCI, YALE, 63-67, ASSOC. PROF, 67- Rockefeller Found. res. fel, Africa, 62-63; Soc. Sci. Res. Coun. res. grant, Europe, 66-67; lectr, Grad. Inst. Int. Studies, Geneva, 66; London Sch. Econ, 67. Consult. for. area fel. prog. for West. Europe, Soc. Sci. Res. Coun.-Am. Coun. Learned Socs, 63-66. U.S.N.R., 53-57, Lt.(jg). Am. Polit. Sci. Asn; Int. Studies Asn; Int. Polit. Sci. Asn. Comparison of politics in international organizations, especially choice-making behavior by national and individual participants, organizational transformation, consequences of these for international relations and explanation of actual patterns and trends. Publ: Functionalism and world politics, Princeton, 66. Address: Dept. of Political Science, Yale University, New Haven, Conn. 06520.
- SEWELL, PROF. WILLIAM H(AMILTON), b. Perrinton, Mich, Nov. 27, 09; m. 36; c. 3. SOCIOLOGY. B.A. Mich. State, 33, M.A., 34; Ph.D.(sociol), Minnesota, 39. Instr. sociol, Minnesota, 34-37; asst. prof, Okla. State, 37-38, assoc. prof, 38-39, prof, 40-44; sociol, WISCONSIN, 46-64, chmn. rural sociol, 49-53, soc. sci. div, 51-54, soc. sci. res. cmt, 52-55, CHMN. DEPT, 57-, VILAS RES. PROF, SOCIOL, 64-, CHANCELLOR, 67- Chmn. behav. sci. study sect, Nat. Insts. Health, 59-61; fel, Center Adv. Study Behav. Sci, 59-60. Consult, res. & develop. bd, Dept. Defense, 46-55. Asst. ed, Am. Sociol. Rev, 49-51. Mem. Nat. Tuberc. Res. Cmt, 59-61; exec. cmt. div. behav. sci, Nat. Res. Coun, 65-; adv. cmt. div. soc. sci, Nat. Sci. Found, 65-68. Trustee, Agr. Develop. Coun, 65- U.S.N.R., 44-46, Lt. Fel. AAAS; Sociol. Asn.(v.pres, 61-62); Rural Sociol. Soc.(pres, 55); Sociol. Res. Asn. (pres, 54); Statist. Asn. Social stratification; social psychology research methods and rural sociology; sociology of education. Publ: Scandinavian students on an American campus; co-auth, The uses of sociology, Basic Books, 67; auth, Infant training and the personality of the child, Am. J. Sociol. Address: Dept. of Sociology, Social Science Bldg, University of Wisconsin, Madison, Wis. 53706.
- SEXTON, PROF. PATRICIA, Sociol, see 10th ed, Soc. & Behav. Vols.
- SEXTON, PROF. VIRGINIA STAUDT, b. New York, N.Y., Aug. 30, 16. PSYCHOLOGY. B.A. Hunter Col, 36; M.A. Fordham, 41, Ph.D.(psychol), 46. Instr. PSYCHOL, Notre Dame Col (N.Y.), 44-48, assoc. prof, 48-52; instr. LEHMAN COL, 53-61, assoc. prof, 61-66, PROF, 67- Lectr, City Col. New York, 45-46; instr, Seton Hall, 47-52, 54-55; Ford Found. faculty fel, 52-53; fel, State Dept. Ment. Hyg, N.Y., 59-60. AAAS; Psychol. Asn; N.Y. Acad. Sci. Personality; vocational guidance; relationship to testing conditions, intelligence and certain personality traits to errors and correct responses in several types of tasks among college women. Publ: Collab. Catholics in psychology; co-auth, History of psychology: an overview, Grune, 66. Address: Dept. of Psychology, Lehman College, Bedford Park Blvd. W, Bronx, N.Y. 10468.
- SEYFRIED, PROF. WARREN RAYMOND, b. Elizabeth, N.J., Feb. 4, 18; m. 46; c. 5. URBAN ECONOMICS. M.E. Vanderbilt, 43; M.B.A. Indiana, 54, D.B.A., 56. Asst. prof. land econ, WASHINGTON (SEATTLE), 56-59, assoc. prof, 59-66, PROF. GEN. BUS, 66- U.S.N.R., Lt. Econ. Asn; Regional Sci. Asn. Address: College of Business Administration, University of Washington, Seattle, Wash. 98105.
- SEYLER, DR. WILLIAM C(HARLES), b. Kittanning, Pa, Nov. 27, 21; m. 42; c. 3. POLITICAL SCIENCE. M.A. Pittsburgh, 48; univ. fel, Duke, 51-52, Ph.D.(polit. sci), 52. Asst. prof. polit. sci, Pittsburgh, 52-54; dir. prog. & policy res, governor's off, Commonwealth Pa, 55, dep. secy, dept. internal affairs, 55-67; asst. v.pres. gen admin, TEMPLE, 67, ASST. TO PRES, 67- U.S.A., 43-46. Polit. Sci. Asn; Soc. Pub. Admin. Political parties; American state and local government; public administration. Publ: Doctoral dissertations in political science in American universities, Am. Polit. Sci. Rev; co-auth, Precinct politicians in Pittsburgh, Soc. Sci. Address: 243 Forrest Ave, Elkins Park, Pa. 19117.
- SEYMOUR, DR. DAVID RAY, b. Iowa City, Iowa, July 6, 37; m. 57; c. 3. REGIONAL SCIENCE. B.A. San Fernando Valley State Col, 61, M.A., 64; Ph.D., Pittsburgh, 66. Comput. programmer, San Fernando Valley State Col, 61-64; ASST. PROF. REGIONAL SCI. & GEOG, PENNSYLVANIA, 66- U.S.A.R., 55-61, S/Sgt. AAAS; Asn. Am. Geog; Regional Sci. Asn. Land and urban economics; computer graphics; location theory. Publ: The development of cartography, 65 & The geographical significance of polarized regional growth, 68, Proc. Acad. Sci; The polygon of forces and the Weber problem, J. Regional Sci, summer 68. Address: Dept. of Regional Science, Graduate Studies, University of Pennsylvania, Philadelphia, Pa. 19104.
- SEYMOUR, DR. JOHN, b. New York, N.Y., Oct. 2, 17; m. 58; c. 1. CLINICAL PSYCHOLOGY. B.S. Paterson State Col, 51; M.A. N.Y. Univ, 52, Ph.D., 56; Nat. Psychol. Asn. Psychoanal, 56-61. Clin. psychol., Willowbrook State Sch, N.Y., 52-54; Bird S. Coler Hosp, New York, 54-56; Vet. Admin. Hosp, Lyons, N.J., 56-58, chief psychologist, North Essex Child Guid. Clin, 58-60; Essex County Guid. Center, 60-65; dir. psychol. training, State of New Jersey, 65-67; ASST. PROF, MONTCLAIR STATE COL, 67- Private practice psychother. Psychol. Asn; Orthopsychiat. Asn. Psychoanalytic study of children and adults; diagnostic psychological testing of neurotics and psychotics; fatigue. Publ: Some measures of psychometric, perceptual and motor performance as a function of sleep deprivation, Psychol. Abstracts. Address: 36 Mountain Way, Cedar Grove, N.J. 07009.
- SEYMOUR, DR. ROBERT G(RIMMER), b. Arlington, Wash, July 14, 14; m. 36; c. 2. BUSINESS ADMINISTRATION. B.S. Idaho, 36; M.B.A. Washington (Seattle), 47; Ph.D.(econ), Illinois, 53. Asst. to dir. bur. bus. res, Washington (Seattle), 46-48; instr. mkt, Illinois, 48-50, mkt. specialist, bur. bus. mgt, 50-52, assoc. prof. & dir. bur, 52-57, assoc. dean, 57-58, dir. exec. develop. center, 58-61, prof, 61-67; PRES, TEC-SEARCH, INC, 67-, v.pres, 61-67. AAAS; Econ. Asn; Mkt. Asn; Acad. Mgt. Management development; business and marketing research. Publ: Co-auth, Decisions before the house, Guideways, 61; auth, Washington State tourist industry survey; The how of successful selling. Address: Tec-Search, Inc, Edens Executive Center, 3201 Old Glenview Rd, Wilmette, Ill. 60091.
- SEYMOUR, PROF. S(AM) F(REDERICK), b. Chattanooga, Tenn, Oct. 1, 22; m. 51. SOCIOLOGY. N.Y. Univ. & Columbia, 41-43; B.A. Union Col.(Ky), 48; Harvard, 48; Stanford, 48-49, M.A., 54; Chicago, 49-51. Asst. community inventory, Chicago, 49-50; instr. sociol, Univ. Kansas City, 51-59, acting chmn. dept, 55-59; from assoc. prof. sociol. & anthrop. to PROF. SOCIOL, AMERICAN UNIV, 59- U.S.N.R., 43-45. Sociol. Asn; Pop. Asn; Anthropol. Asn; Statist. Asn. Human ecology; stratification; institutions. Address: Dept. of Sociology, American University, Massachusetts & Nebraska Ave, Washington, D.C. 20016.
- SEYMOUR, PROF. VIRGIL L(EE), Sociol, see 10th ed, Soc. & Behav. Vols.
- SEYMOUR, WALTON, b. Faribault, Minn, July 10, 09; m. 36, 66; c. 2. ECONOMICS. B.A. Wisconsin, 29. Jr. statistician, N.Am. Co. 29-34; mem. staff power mkt, Tenn. Valley Authority, 34-47; dir. div. power & prog. staff, Off. Secy. Interior, 47-50; power adv, U.S. Mission to Greece, 50-52; econ. consult, 52-58; V.PRES. FOR INDUST. DEVELOP, DEVELOP. & RESOURCES CORP, 58- Statist. Asn; Soc. Pub. Admin; Acad. Polit. Sci. Economic, policy and management aspects of development and utilization of electric power and related natural resources. Address: 70 E. Tenth St, New York, N.Y. 10003.
- SEZAK, PROF. WILLIAM, b. Boston, Mass, Apr. 5, 14; m. 45; c. 2. SOCIOLOGY. B.S. Boston, 38; M.Ed, Maine, 46; Ed.D. Columbia, 56. Teacher soc. studies, Higgins Classical Inst, Maine, 38-39; teacher & submaster, Colebrook Acad, N.H., 39-42; assoc. prof. sociol, MAINE, 46-68, PROF. SOCIOL. & ACTING HEAD DEPT. SOCIOL. & ANTHROP, 68- Scholar, sociol, California, Berkeley, 65-66. U.S.N.R., 42-45, Lt. Fel. Sociol. Asn. Educational and occupation aspirations and expectations of high school youth in Maine. Publ: Mount Desert Island educational survey; Introduction to family life education for teachers; Student teaching: the shakedown cruise, Ed. Leadership, 4/68. Address: Dept. of Sociology, 46 Stevens South Hall, University of Maine, Orono, Maine 04473.
- SFERRA, DR. AMEDEO G(ENNARO), b. New York, N.Y., June 20, 09. PSYCHOLOGY. A.B. Notre Dame, 32; M.A. N.Y. Univ, 39; New Sch. Soc. Res, 48-52; Ed.D. Columbia, 57. Instr. Dumont High Sch, N.J., 37-40, dir. guid, 40-42; with rehab. div, Vet. Admin, N.Y., 46-47; instr. PSYCHOL. & counsr, Packard Jr. Col, 47-54; instr, FAIRLEIGH DICKINSON, 55-57, asst. prof, 57-58, assoc. prof, 58-60, PROF, 60-, CHMN. DEPT, 57-, ASSOC. DEAN COL. LIB. ARTS, 67-, dir. div. psychol. sci, 60. Consult, Psychol. Serv. Center, Teaneck, 57-; Guid. Center Bergen County, Englewood, 61- Mem. ed. adv. cmt, Am. Inst. Banking, 68. U.S.N.R., 42-46, Lt. AAAS; Psychol. Asn. Nonintellectual factors in academic achievement. Publ: Personality and human relations; Leadership in group work, Clearing House. Address: Dept. of Psychology, Fairleigh Dickinson University, Teaneck, N.J. 07666.
- SHACK, DR. WILLIAM A, b. Chicago, Ill, Apr. 19, 23; m. 60; c. 1. SOCIAL ANTHROPOLOGY. B.A.E, Schs. Art Inst. Chicago, 55; M.A. Chicago, 57; Ph.D.(anthrop), London Sch. Econ, 61. Asst. prof. ANTHROP, Northeast. Ill. State Col, 61-62; Haile Sellassie, 62-65; res. assoc, Chicago, 65-66; ASSOC. PROF, ILLINOIS, CHICAGO, 66- Nat. Insts. Health res. grant, 63-66. Summers, vis. lectr, Georgetown, 62 & Makeru Univ. Col, Uganda, 63. Consult, Peace Corps, D.C., 62. U.S.C.G., 43-46. Fel. Am. Anthropol. Asn; fel. African Studies Asn; fel. Brit. Asn. Social Anthropol. Social structure;

political systems; religion; Ethiopia; Africa. Publ: The Gurage: a people of the Ensete culture, Oxford Univ, 66; Religious ideas and social action in Gurage bond-friendship, 7/63 & The Mäsal-Pole: a situational analysis of religious conflict and social change in Gurageland, 10/68, Africa. Address: Dept. of Anthropology, University of Illinois at Chicago Circle, Chicago, Ill. 60680.

SHAFTER, DR. DAVID GORDON, b. Montreal, P.Q., Mar. 4, 37. PSYCHOLOGY. B.A., Sir George Williams, 59; M.A., Omaha, 60; fel. Psychiat. Inst. Michael Reese Hosp, Chicago, Ill, 64-66; Ph.D.(physiol. psychol.), Ill. Inst. Tech, 68. Asst. prof. psychol, Nebraska, Omaha, 66-68; ASST. PROF. PSYCHOL. & DIR. PSYCHOBIOLOG. LAB, LOYOLA (QUE), 68. Vis. scientist, inst. exp. med. & surg, Univ. Montreal, 67, Nat. Sci. Found. fel. dept. physiol, 67-68. Consult, State Calif, 66-67; psychol. serv, Omaha Bd. Ed, 68- AAAS; Am. Psychol. Assn. Brain processes and behavior. Publ: Effect of localized cortical cooling on delayed response performance in the monkey, J. Comp. & Physiol. Psychol, 63: 477-479; sr. auth, A history of the effects of cooling on behavior, (in prep); co-auth, The effects of local cooling on brain electrical activity, (in prep). Address: Dept. of Psychology, Loyola University, Montreal, Que, Can.

SHAFTER, DR. HELEN S, b. Newark, N.J., May 1, 98; m. 24; c. 1. PSYCHOLOGY. B.A. Barnard, 20; M.A., Columbia, 21; Ph.D.(psychol.), Northwestern, 32. Chmn. dept. psychol. & consult, Chicago Teachers Col, 29-33; instr. ed. & psychol, Northwestern, 33-37; asst. prof. 37-52; chief psychologist, Vet. Rehab. Center, Chicago, Ill, 46-51; clin. psychologist, private practice, 32-Consult, pub. schs, Lake Forest, Ill, 37-40; Scott, Foresman & Co, 46- Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Assn; Orthopsychiat. Assn; Acad. Polit. & Soc. Sci; fel. Int. Coun. Psychol. Personality growth and development; emotional adjustments; hypothyroidism and personality. Publ: How personalities grow; Understanding ourselves; co-auth, These are your children, Scott, 67. Address: 3440 Lake Shore Dr, Chicago, Ill. 60657.

SHAEFFER, DR. J(AMES) B(ALL), b. Chicago, Ill, Jan. 6, 15; m. 39; c. 3. ANTHROPOLOGY. A.B. Arizona, 39; Ph.D. Columbia, 54. Curator. Kinshba Mus, U.S. Bur. Indian Affairs, 46-52; preparator, Ariz. State Mus, 54-55; dir. South. Plains Indians Mus, U.S. Indian Arts & Crafts Bd, 55-56; dir. Archaeol. Salvage Proj, Oklahoma, 56-61; DIR. STUHR MUS. OF THE PRAIRIE PIONEER, 61- Ed, Plains Anthropologist, 59-63. U.S.A., 40-41; U.S.M.C. 42-45. 52-53, Res, 53-; Lt. Col. Fel. Anthropol. Assn; Soc. Am. Archaeol. Archaeology; ethnology; American Southwest. Plains. Publ: Salvage archaeology in Oklahoma; Mogollon complex, its historical and cultural role in the American Southwest. Address: P.O. Box 636 Grand Island, Nebr. 68801.

SHAFTER, DR. BOYD CARLISLE, Mod. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SHAFTER, DR. CARL E(WING), b. Oklahoma City, Okla, Apr. 4, 33; m. 56; c. 2. AGRICULTURAL ECONOMICS. B.S. Okla State, 55, M.S., 58; Ph.D. (agr. econ), Pa. State, 62. Asst. prof. AGR. ECON, TEXAS A&M, 62-66, ASSOC. PROF, 66- Sig. C, U.S.A., 57, Res, 57-63, 1st Lt. AAAS; Agr. Econ. Assn; Econ. Assn. Market and price analysis for fruits and vegetables. Address: Dept. of Agricultural Economics, Texas A&M University, College Station, Tex. 77843.

SHAFTER, DR. JAMES N(ICHOLAS), b. Salem, Ohio, Oct. 4, 24; m. 49; c. 2. PSYCHOLOGY. A.B. Ohio, 49, M.A. 50; Ph.D. Ohio State, 53. Instr. PSYCHOL, WEST VIRGINIA, 53-54; asst. prof, 54-59, ASSOC. PROF, 59- U.S.A., 42-45. Psychol. Assn. Learning, comparative and physiological psychology. Address: Dept. of Psychology, West Virginia University, Morgantown, W.Va. 26506.

SHAFTER, PROF. NELSON C, b. Renneselaer, Ind, June 27, 17; m. 47; c. 2. MARKETING. B.S. Indiana, 45, M.C.S., 47. Instr. MKT, sch. bus, Kansas, 46-47; asst. prof, sch. commerce, Okla. Agr. & Mech. Col, 47-48; SCH. BUS, CONNECTICUT, 48-65, ASSOC. PROF, 65- Mkt. Assn; Econ. Assn. Retail merchandising; wholesaling; sales management; retail grocery prices. Address: School of Business, University of Connecticut, Storrs, Conn. 06268.

SHAFTER, DR. VERNON W(ILLIAM), b. Tacoma, Wash, July 28, 24; m. 46; c. 3. PSYCHOLOGY. B.Th. Walla Walla Col, 49; M.S. Southern California, 53; Ph.D.(clin. & counseling psychol), Ohio State, 58. Clin. psychologist & dir. personnel training, Harding Hosp, Worthington, Ohio, 54-63; COORDINATOR MENT. HEALTH SERV, GLENDALE ADVENTIST HOSP, 63- Clin. psychologist, private practice, 64- Proj. dir, Nat. Inst. Ment. Health res. proj. effects of training progs. on psychiat. nurses, 62-63; consult. human rels, Dept. Health, Ed. & Welfare grant proj, sch. nursing, South. Missionary Col, 64. U.S.N. 44-46. Psychol. Assn; Soc. Sci. Study Relig; Acad. Relig. & Ment. Health. Psychological implications of religious experience; family therapy; community mental health administration; teaching of supervision of dynamic psychiatric nursing. Address: 1530 E. Chevy Chase Dr, Glendale, Calif. 91206.

SHAFFER, DR. CHARLES L(OUIS), b. Waverly, Iowa, Apr. 6, 21. PERSONNEL PSYCHOLOGY. B.S., N.Y. Univ, 49, M.A., 50, Ph.D.(psychol), 56. Asst. to v. pres. training, Equitable Life Assurance Soc. U.S., 56-58; assoc. prof. mgt. & asst. dean, grad. sch. bus, N.Y. Univ, 58-63; prof. human resources & v. dean, Lagos, 63-65; PROF. mgt, American Univ, 65-67; INDUST. RELS. & INT. BUS, SETON HALL, 67- Lectr. Int. Air Inst, 64-65; Army & Air Force Exchange Serv, 65-67. Consult, N.Y. State Bankers Assn, 60-61, N.Y. Tel. Co, 62-63; adv. Nigerian Manpower Develop. Bd, 63-64. U.S.A., 41-45, Sgt. Psychol. Assn; Interam. Soc. Psychol. Utilization and development of world wide manpower by the multinational organization. Publ: Multinational manpower development, Random, 68; Employee development: education or training, Interam. Psychol. Cong, 61; Multinational business: institution for international understanding, J. Bus, Seton Hall Univ, fall 67. Address: Dept. of Industrial Relations, Seton Hall University, South Orange, N.J. 07079.

SHAFFER, DR. EDWARD HARRY, b. Pittsburgh, Pa, Jan. 26, 23; m. 59; c. 2. ECONOMICS. B.A. Michigan, 48, M.A., 49; univ. fel, Columbia, 64-65. Ph.D.

(econ), 66. Econ. consult, 56-64; ASST. PROF. ECON, West. Wash. State Col, 65-68; OCCIDENTAL COL, 68- U.S.A., 43-46. AAAS; Econ. Assn. International economics and industrial organization; economics of crime. Publ: The oil import program of the United States: an evaluation, Praeger, 68; Urban renewal in NYC, 1950-60: the conflict between public welfare and private interests, In: Race & renewal, Prentice-Hall, 68. Address: Dept. of Economics, Occidental College, Los Angeles, Calif. 90041.

SHAFFER, DEAN G(EOGE) WILSON, b. Baltimore, Md, Nov. 23, 01; m. 31. PSYCHOLOGY, PSYCHIATRY. A.B. Hopkins, 24, Ph.D.(psychol), 28. Dir. phys. ed, Playground Athletic League, 18-26; asst. instr. psychol, Hopkins, 28-28; prof, Baltimore, 28-32; lectr. psychol. & dir. health & phys. ed, HOPKINS, 32-41, PROF. PSYCHOL, 41-. DEAN COL. ARTS & SCI, 42-, DIR. PSYCHOL. CLIN. & DEAN HOMEWOOD SCHS, 48- Mem. staff, Shepherd Pratt Hosp, 28- Civilian with U.S.N. Dipl. Am. Bd. Exam. Psychol. Hypnosis. Fel. Psychol. Assn; fel. Psychopath. Assn. Personality theory; psychotherapeutic research; hypnosis. Publ: Fundamental concepts in clinical psychology; Case histories in mental disease; Hypnosis and suggestion—experimental study cross currents in psychiatry and psychoanalysis, Lippincott, 67. Address: 3409 Greenway, Baltimore, Md. 21218.

SHAFFER, DR. HARRY (GEORGE), b. Vienna, Austria, Aug. 28, 19; nat; m. 55; c. 2. ECONOMICS. B.S., N.Y. Univ, 47, M.A., 48, Ph.D.(econ), 58. Instr. econ. & bus. admin, Concord Col, 48-49; ECON, Alabama, 50-58; KANSAS, 56-59, asst. prof, 59-64, ASSOC. PROF, 64- U.S. Dept. Health, Ed. & Welfare Area Center faculty fel, 67-68; summer vis. prof, Portland State Col, 63. Mil. Intel, U.S.A., 42-44. Econ. Assn; Assn. Adv. Slavic Studies; Assn. Comp. Econ. American economic history; comparative economic systems; Soviet and East European economics. Publ: Ed, The Soviet economy, 63, The Soviet system in theory and practice 65 & The Communist world, 67, Appleton. Address: Dept. of Economics, University of Kansas, Lawrence, Kans. 66044.

SHAFFER, PROF. JACK A, b. Brooklyn, N.Y., July 15, 29; m. 52; c. 2. PSYCHOLOGY. B.S. Wisconsin, 52; M.A. Ohio State, 55, Ph.D., 57. Trainee psychol, Vet. Admin, 53-55; asst, Ohio State, 55-56; clin. psychologist, Columbus Children's Psychiat. Hosp, 56-57, chief psychologist, 57-58; asst. prof. PSYCHOL, HUMBOLDT STATE COL, 58-62, assoc. prof, 62-67, PROF, 68-, chmn. dept, 67-68. Fulbright lectr, Thammasat, 65-66; summer asst. prof, Victoria Col, 60. Consult, Cerebral Palsy of Columbus & Franklin County, 57-58. Psychol. Assn; Soc. Res. Child Develop; Soc. Psychol. Study Social Issues. Social influences on personality development; behavior modification; early recollections. Publ: Authoritarianism and acceptance of segregation, In: Research annual on inter-group relations, Praeger, 65; co-auth, The use of foreign languages by psychologists, Am. Psychologist, 11/66; auth, Tying down Thais, Contemporary Psychol, 67. Address: Dept. of Psychology, Humboldt State College, Arcata, Calif. 95521.

SHAFFER, PROF. JAMES D(UNCAN), b. Indiana, Pa, June 10, 25; m. 46; c. 4. AGRICULTURAL ECONOMICS. B.A. Mich. State, 47, Ph.D., 53. From asst. prof. to PROF. AGR. ECON, MICH. STATE, 49- U.S.A., 43-46, Lt.(jg). Agr. Econ. Assn; Econ. Assn; Mkt. Assn. Agricultural marketing; consumption economics; market research methodology. Publ: Reporting period of a consumer purchase panel, J. Mkt; co-auth, Collecting food purchase data by consumer panel: a methodological report on the Michigan State University consumer panel, 1951-58, Tech. Bull. Mich. State Agr. Exp. Sta. & Consumer purchases of apples, Spec. Bull. Mich. State Agr. Exp. Sta. Address: 1210 Daisy Lane, East Lansing, Mich. 48823.

SHAFFER, DR. JOHN B, b. New York, N.Y., May 12, 34; m. 62. CLINICAL PSYCHOLOGY. B.A. Queens Col.(N.Y.), 55; U.S. Pub. Health Serv. fel, Harvard, 55-57, Ph.D.(clin. psychol), 61. Teaching fel. soc. sci, Harvard, 58-60, sr. psychologist, Child Study Center Phila, 60-62; instr. PSYCHOL, QUEENS COL(N.Y.), 62-66, ASST. PROF, 67- Consult, proj. CAUSE, U.S. Dept. Labor, summer, 65. Psychol. Assn; Soc. Psychol. Study Social Issues. Individual and group psychotherapy. Publ: Co-auth, Rules and paradigms in psychotherapy, Grune, 68 & Mothers' retrospective reports in child-rearing research, Am. J. Orthopsychiat, 4/63. Address: Dept. of Psychology, Queens College, Flushing, N.Y. 11367.

SHAFFER, DR. JOHN W(HITCOMB), Psychol, see 11th ed, Phys. & Biol. Vols.

SHAFFER, DR. JULIET (POPPER), b. New York, N.Y., May 23, 32; m. 60; c. 4. EXPERIMENTAL PSYCHOLOGY. B.A. Swarthmore Col, 53; univ. fel, Stanford, 54-55, Nat. Sci. Found. fel, 56-57, Ph.D.(psychol, statist), 57. Nat. Sci. Found. res. fel, Indiana, 57-58; asst. prof. PSYCHOL, KANSAS, 58-65, ASSOC. PROF, 65- AAAS; Psychol. Assn; Psychomet. Soc; Psychonomic Soc. Learning theory; mathematical models in learning; quantitative methods in the social sciences; concept formation. Publ: Mediated generalization, In: Studies in mathematical learning theory; Effect of different stimulus frequencies on discrimination learning with probabilistic reinforcement, 63 & co-auth, Stimulus similarity and the effect of reinforcement in a pseudo-concept identification task, 66, J. Exp. Psychol. Address: Dept. of Psychology, University of Kansas, Lawrence, Kans. 66044.

SHAFFER, PROF. LAURANCE F(REDERIC), b. Johnstown, N.Y., Aug. 12, 03; m. 31; c. 1. PSYCHOLOGY. B.S. Union (N.Y.), 24, LL.D., 49; M.A., Columbia, 27, Ph.D.(ed. psychol), 30. From asst. prof. to prof. psychol, Carnegie Inst. Tech, 28-41, dir. summer session, 36-41; prof. psychol. & ed, TEACHERS COL, COLUMBIA, 45-68, assoc. dean, 63-68, EMER. PROF. PSYCHOL, 68- Dir. Psychol. Corp, N.Y., 57-, chmn. bd, 65- Consult, Vet. Admin, 47-63; Nat. Inst. Ment. Health, 48-55, chmn. training cmn, 55, mem. community serv. cmt, 62-66. Ed, J. Consult. Psychol, 47-58. U.S.A.A.F. 41-45, Lt. Col. AAAS; fel. Psychol. Assn.(pres, 53). Theory of personality and adjustment; clinical psychology. Publ: Psychology of adjustment; Psychology. Address: 495 Birchtree Lane, Oradell, N.J. 07649.

SHAFFER, DR. RALPH G(UNTER), b. Breslau, Germany, Oct. 21, 23; nat; m. 50; c. 3. GEOGRAPHY, POLITICAL SCIENCE. B.S.S. City Col. New York, 49; M.A., Pennsylvania, 51; Fulbright scholar, Frankfurt & Kiel, Germany, 53-54; Ph.D.(geog), Syracuse, 58. Instr. geog, Pennsylvania, 49-51;

asst, Syracuse, 51-53; estimator & off. mgr, J. Frank Parsons, Inc, 54-55; mkt. analyst, polychem. dept, E.I. DU PONT DE NEMOURS & CO, INC, 56-61, MKT. INVEST. INT. DEPT, 61- Fel, Int. Geog. Cong, D.C, 52. U.S.N., 43-46. Asn. Am. Geog. Economic and marketing geography; geography of industrial location; assessment of social, political and economic factors in various foreign countries. Publ: Die grossen seen: verkehrsschlagadern Nordamerikas, Geographische Rundschau, 11/54. Address: 2401 Magnolia Dr, Wilmington, Del. 19803.

SHAFFER, DEAN ROBERT H(OWARD), b. Delphi, Ind, Sept. 13, 15; m. 40; c. 2. BUSINESS ADMINISTRATION. A.B. DePauw, 36; M.A. Columbia, 39; Ph.D.(personnel & guid), N.Y. Univ, 45. Instr. sch. bus. & asst. to dean, INDIANA, 41-43, asst. prof. sch. bus. & asst. to dean, jr. div, 45-46, asst. prof. bus. admin, 46-52, assoc. prof, 52-56, PROF. BUS. ADMIN, 56-, ED, 62-, DEAN STUDENTS, 55-, asst. dean, 46-54. Ed. specialist, U.S. Dept. State, Thailand, 61-62; summers, vis. prof. New York Univ, 51, Pa. State, 54, Mich. State, 60, consult, U.S. Agency Int. Develop, Afghanistan, 67. Chmn, Coun. Student Personnel Assns, 65-66. U.S.A. 43-45. Personnel & Guid. Asn.(pres, 51-53); Nat. Asn. Student Personnel Admstr.(v.pres, 65-67). Student unrest and activism; university administration; student involvement in university governance; training of college student personnel workers; educational use of college residence halls. Publ: Co-auth, Foreign students and their American student friends, Indiana Univ, 66, Student personnel in higher education, Center Appl. Res. Ed, 66 & Student personnel in the years ahead, Am. Col. Personnel Assn, 66. Address: Maxwell Hall, Room 21, Indiana University, Bloomington, Ind. 47401.

SHAFFER, DR. ROBERT O(TTO), b. Philadelphia, Pa, Jan. 1, 21; m. 45; c. 2. PSYCHOLOGY. A.B. Bucknell, 42; M.S. Cornell, 48, Ph.D.(student admin), 51. Guid. counsr, Cornell, 47-49, asst. to dean of men, 49-51, asst. to pres, 51-52; dean students, State Univ. N.Y. Teachers Col, Oswego, 52-54; consult. psychologist, ROHRER, HIBLER & REPLOGLE, 54-61, partner, 61-65, RES. PARTNER, 65- U.S.N. 42-46. AAAS; Psychol. Asn. Executive evaluation and development; administration of student personnel services. Address: 9601 Manor Rd, Leawood, Kans. 66206.

SHAFFNER, DR. FELIX I(RA), b. Boise, Idaho, Feb. 15, 04; m. 37. ECONOMICS. A.B. Harvard, 25, M.A. 26, Ph.D.(econ. & investment), 33; Rhodes scholar & B.Litt, Oxford, 28. Instr. econ. & tutor, div. hist. gov. & econ, Harvard, 28-37; lectr. econ, N.Y. Univ, 38-43; mgt. analyst, work simplification prog, U.S. Bur. Budget, 45-46; spec. asst. to adminstr. & chmn. gen. bd, War Assets Admin, 46-49; chief economist, Marshall Plan Admin, 49-53; dep. dir. res, Auchincloss, Parker & Redpath, 56-58; HEAD FINANCE, OFF. ACCT. & FINANCE, FED. POWER CMN, D.C, 58- Prof. lectr, George Washington, 51- Partner, Wash. Investors, 52- Sr. economist, Off. Price Admin, 42-45. Econ. Asn; Statist. Asn. Principles, techniques and problems of investment; international investment and finance; business cycles and forecasting. Publ: Problem of investment; Study of business cycles; Solar and economic relationships, Quart. J. Econ. Address: 1316 N. Quinn, Arlington, Va. 22201.

SHAFTER, DR. ALBERT J(ENE), b. Carbondale, Ill, Sept. 15, 24; m. 46; c. 3. SOCIOLOGY, POLITICAL SCIENCE. B.A. Southern Illinois, 48, M.A. 49; Ph.D.(sociol), Iowa State Col, 53. Clerk, Ill. Central R.R, 42-49; asst. sociol, Southern Illinois, 47-49, assoc. prof. sociol. & guid, 57-61; instr. econ. & sociol, Iowa State Col, 49-51; dir. soc. serv, Woodward State Hosp, Iowa, 51-56; ment. health educator, State Dept. Pub. Welfare, Ill, 56-57; SUPT, Enid State Sch, 61-64; A.L. BOWEN CHILDREN'S CENTER, 64- Proj. co-ordinator, Ill. State Adv. Coun. Ment. Retardation, 64-66; asst. zone dir, Zone Adv. Coun. Ment. Retardation, 64-67. C.Eng, 43-46, Res, 46-, Capt. Fel. Sociol. Asn; fel. Asn. Ment. Deficiency. Mental retardation; penology. Publ: Criteria for selecting institutionalized mental defectives for vocational placement, Am. J. Ment. Deficiency; Variations in numerical size of small police departments, J. Criminal Law; A proposal: a local differential and competitive bidding, Pub. Admin. Rev. Address: A.L. Bowen Children's Center, P.O. Box 281, Harrisburg, Ill. 62946.

SHAH, DR. SALEEM A(LAM), b. Allahabad, India, Dec. 2, 31; U.S. citizen; m. 58; c. 6. PSYCHOLOGY. B.A. Allahabad, 52; Lucknow, 52-53; Princeton, 53-54; M.S. Pa. State, 55, Ph.D.(psychol), 57. Intern clin. psychol, Spring Grove State Hosp, Baltimore, Md, 55-56; asst. supvr. psychol. clin, Pa. State, 56-57; staff psychologist, legal psychiat. div, Dept. Pub. Health, Wash, D.C, 57-59, chief psychologist, 59-66; consult, CENTER STUDIES CRIME & DELINQUENCY, NAT. INST. MENT. HEALTH, 66-68, CHIEF CENTER, 68- Consult. psychologist, Allegheny County Ment. Health Clin, Cumberland, Md, 56-59; consult, Edgemoor Youth Center, Olney, 61-63; Shaw Residence, Wash, D.C, 65-66; spec. consult, President's Cmn. Law Enforcement & Admin. Justice, 65-66. Psychol. Asn. Social deviance, delinquency, crime, corrections, law and mental health and behavioral approaches to treatment. Publ: The mentally disordered offender, Chap. In: Readings in law and psychiatry, Johns Hopkins, 68; Predictive ability in mental hospital personnel and university students, J. Gen. Psychol, 60; Treatment of offenders: some behavioral concepts, principles and approaches, Fed. Probnt, 66. Address: 103 Hillside Rd, Catonsville, Md. 21228.

SHAH, DR. VIMAL(BHAI) P(REMCHAND), b. Ahmedabad, India, Aug. 5, 34. SOCIOLOGY. B.A. Gujarat Univ, India, 60, M.A. 62; Ph.D.(sociol), Wisconsin, 66. Lectr. SOCIOL, Shri Swaminarayana Arts & Sci. Col, India, 60-62; proj. asst, WISCONSIN, 65-66, PROJ. ASSOC, 66- Sociol. Asn. Indian Studies; stratification and mobility; research methods; family; educational and occupational aspirations and achievements. Publ: Attitudinal change and traditionalism in the Hindu family, Sociol. Bull, 3/65; co-auth, Socio-economic status, intelligence, and the attainment of higher education, Sociol. Ed, winter 67 & Social class, parental encouragement, and educational aspirations, Am. J. Sociol, 3/68. Address: Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.

SHAHAN, PROF. EWING P(OPE), b. St. Louis, Mo, Jan. 25, 14; m. 40; c. 3. ECONOMICS. A.B. Cornell, 34; M.B.A. Harvard, 36; Ph.D.(philos), Columbia, 48. Instr. bus. orgn, Am. Inst. Banking, N.Y., 38-40; econ. & philos,

Miami (Fla), 40-42; from economist to sr. economist, regional off, War Manpower Cmn, 42-44, chief div. reports & anal, state off, 44-45; asst. prof. bus. admin, VANDERBILT, 45-51, assoc. prof. ECON, 51-54, PROF, 54-, DIR. INST. COMMUNISM & CONSTITUTIONAL DEMOCRACY, 62-, dean col. arts & sci, 51-60, dir. summer session, 60-66. Consult, Int. Bank Reconstruct. & Develop, 55-60. Madison Sarratt award, Vanderbilt, 66. Econ. Asn; Philos. Asn. History of economic thought; economic method. Publ: Whitehead's theory of experience; ed. & contrib, The nature of communism (TV series for teacher training), Inst. on Communism & Constitutional Democracy, Vanderbilt, 64. Address: Box 1502, Vanderbilt University, Nashville, Tenn. 37203.

SHAHNIAN, DR. SIROON P(ASHALIAN), b. New York, N.Y. June 28, 26; m. 60; c. 1. PSYCHOLOGY. B.A. Hunter Col, 46; M.A. N.Y. Univ, 49, Ph.D. (indust. psychol), 57. Res. assoc. the interview, Fordham, 51-53; substitute psychol, Queens Col.(N.Y.), 53-54; res. specialist the aged, Community Serv. Soc, 55-58; asst. personnel mgr, N.W. Moody Corp, 58-59; staff assoc. mgt. consult, Herrold Assocs, 59-60; res. psychologist, Consult. Serv. Aged, 61-68; RES. ASSOC. FOLLOW-UP STUDY, HILLSIDE HOSP, GLEN OAKS, N.Y., 65- Lectr, sch. gen. studies, Queens Col.(N.Y.), 51-55; researcher, Nat. Inst. Ment. Health res. grant, 65- Psychol. Asn; Psychomet. Soc; Geront. Soc. Evaluation research, including evaluation of services to the aged as a special group. Publ: Co-auth, How readable are corporate annual reports?, J. Appl. Psychol, 34: 244-249, Mgt. Rev, 12/49, J. Accountancy, 8/52, & In: Readings in industrial experimental psychology, Prentice-Hall, 52; The interview: IV The reliability and validity of the assessment interview as a screening and selection technique in the submarine service, U.S. Navy Med. Res. Lab, 52 & Death rate of relocated aged residents of nursing homes, In: Research planning and action for the elderly: the power and potential of social science, Columbia, (in press). Address: 36-33 169 St. Flushing N.Y. 11358.

SHAKLEE, DR. ALFRED B(ARRAL), Psychol, see 11th ed, Phys. & Biol. Vols.

SHAKOW, DR. DAVID, b. New York, N.Y. Jan. 2, 01; m. 26; c. 3. PSYCHOLOGY. S.B. Harvard, 24, Saltonstall scholar, 26-27, M.A. 27, Walker fel. 27-28, Ph.D.(psychol), 42. Chief psychologist & dir. psychol. res, Worcester State Hosp, 28-46; prof. psychol, col. med, Illinois, 46-54; chief lab. psychol, NAT. INST. MENT. HEALTH, 54-66, SR. RES. PSYCHOLOGIST, 67- Prof, Chicago, 48-54; prof. lectr, col. med, Illinois, 54-61; Stanley R. Dean res. award schizophrenia, 63. Consult, Vet. Admin, 46-55; U.S. Pub. Health Serv, 46-62; Surgeon Gen, U.S. Dept. Army, 48-55. Dir, Am. Bd. Exam. Prfnl. Psychol, 47-51; mem. div. anthrop. & psychol, Nat. Res. Coun, 50-53. Distinguished contribution to clin. psychol. award, 59; Helen Sargent mem. award, 65. Fel. Psychol. Asn; fel. Orthopsychiat. Asn; fel. Psychosom. Soc. Experimental psychopathology; schizophrenia; history of psychology. Publ: Nature of deterioration in schizophrenic conditions; co-auth, Intelligence in mental disorders; Influence of Freud on American psychology, Int. Univs, 64. Address: Clinical Center, National Institute of Mental Health, Bethesda, Md. 20014.

SHALLCROSS, DR. RUTH, (MRS. G. E. MAYNARD), b. Lyons, Nebr, Sept. 28, 06; m. 51; c. 2. ECONOMICS. A.B. Nebraska, 29; Columbia, 30-36; summer, L'Inst. du Panteon, Paris, 36; Ph.D. Bryn Mawr Col, 38. Homework inspector, women's div, State Dept. Labor, N.Y., 31-36; res. dir, Nat. Fedn. Bus. & Prfnl. Women's Clubs, 38-40; res. worker & head planning & statist. sect, pulp & paper div, War Prod. Bd, 42-45; res. assoc, Inst. Paper Chem, 46-51; consult. economist & lectr, 51-57; instr. econ. Lake Erie Col, 57-59, asst. prof. & head dept, 59-68. Consult, Hawaiian Sugar Planters' Asn, 52-56. Econ. Asn. Economics of the pulp and paper industry; labor problems; foreign trade. Publ: Industrial homework; Supply-demand data on the chief nonfibrous raw materials used in the pulp and paper industry; Foreign trade, its problems and potentials as they affect the pulp and paper industry, Pulp & Paper. Address: 7583 Lake Shore Blvd, Madison, Ohio 44057.

SHALLENBERGER, JOHN B(UGHER), b. Pittsburgh, Pa. Apr. 10, 17; m. 45; c. 2. MANAGEMENT SCIENCES. B.S. Stanford, 39; M.B.A. Harvard, 41. Design engr, Douglas Aircraft Co, Inc, Calif, 41-42, prof. control supt, 42-43, asst. pres, Wash, D.C, 43-44, int. pres, 46-47; overseas sales mgt, Canada-aid Ltd, Que, 47-49, asst. to pres, 49-50; dir. res, Aluminum Ltd, Switz, 50-51; procurement, Aluminum Co. Can, Ltd, 51-52; training mgr, int. div, Ford Motor Co, N.Y., 52-53; asst. dir, Stanford Res. Inst, 53-55; pres, Shallway Corp. & Connellsville Corp, 55-67; DIR, SHALLWAY RES. CO, 67- Pres, Shallway Int. Corp, Calif, 54-55; Albert Sheetz Corp, 55- Mem, Int. Sci. Mgt. Cmt. U.S.M.C.R, 44-46, 1st Lt. Soc. Mech. Engr; Mgt. Asn; Inst. Mgt; Inst. Mgt. Sci; Eng. Inst. Can; Brazilian Inst. Aeronaut. Tech. Aircraft manufacturing cost accounting; international business and personnel administration; social and economic effects of automation. Publ: Cost accounting in aircraft manufacturing, J. Soc. Cost Acct; Future of automation, J. Soc. Welfare Coun; Automation in the foundry, J. Am. Foundrymen's Soc. Address: 125 S. Fourth St, Connellsville, Pa. 15425.

SHAM, DR. DONALD, Econ, Polit. Sci, see 10th ed, Soc. & Behav. Vols.

SHAMES, PROF. GEORGE H, b. Pittsburgh, Pa, May 16, 26; m. 52. SPEECH PATHOLOGY. B.S. Pittsburgh, 48, M.S. 49, Ph.D.(speech path, psychol), 52; summer, Miami (Fla), 56. Instr. psychol, PITTSBURGH, 50-52, asst. prof. speech & psychol, 52-56, assoc. dir, speech clin, 56-62, DIR. SPEECH & HEARING CENTER, 62-, PROF. SPEECH & PSYCHOL, 65-, DIR. GRAD. TRAINING PROG. AUDIOL-SPEECH PATH, 67-, assoc. prof, 58-65. Res. assoc, Am. Inst. Res, 51; lectr, Mt. Mercy Col.(Pa), 52; U.S. Dept. Health, Ed. & Welfare fel, 56, Off. Voc. Rehab. grants, 57-59; Nat. Sci. Found. travel grant, 59; res. grant, 59; Nat. Inst. Neurol. Diseases & Blindness fel. & res. assoc. aphasia, Cent. Inst. Deaf, Mo, 60- Supvr. aphasia retaining prog, Eye & Ear Hosp, Pittsburgh, 54-55. Consult, Vet. Admin. Hosp, Butler, Pa, 67- U.S.N.R, 44-46. Fel. Speech & Hearing Asn; Psychol. Asn; Speech Asn; N.Y. Acad. Sci. Application of learning theory to techniques of therapy for aphasia, stuttering and articulation disorders; dynamics of interviewing and counseling; personality theory and stuttering; dynamics of stuttering. Publ: A discussion of nonfluency and stuttering as operant behavior, 2/63 & Experi-

mental programs in stuttering therapy, 11/68, J. Speech & Hearing Disorders; Dysfluency and stuttering, *Pediat. Clins. N.Am.*, 8/68. Address: Speech & Hearing Center, University of Pittsburgh, Pittsburgh, Pa. 15213.

SHANAS, PROF. ETHEL, b. Chicago, Ill., Sept. 6, 14; m. 40; c. 1. SOCIOLOGY. A.M. Chicago, 37, Henderson fel, 41-42, Ph.D.(sociol.), 49. Res. assoc. dept. sociol. Chicago, 45-46, instr. & res. assoc. cmt. human develop, 46-52; chief res. housing & redevelopment, coordinator, City of Chicago, Ill., 52-53; lectr. soc. sci. Chicago Undergrad. Div., Illinois, 55-56; res. assoc. sociol. grad. sch. Chicago, 56-65, sr. study dir. nat. opinion res. center, 56-61, res. assoc. cmt. human develop, 61-65; PROF. SOCIOLOGY, ILLINOIS, CHICAGO, 65- Fel. Sociol. Asn; fel. Gerontol. Soc.(secy, 63); Int. Asn. Gerontol; Nat. Coun. Family Rels. Gerontology; methods of research; population and ecology; medical sociology. Publ: Recreation and delinquency; The health of older people; co-auth. Social structure and the family: generational relations, Prentice-Hall, 65. Address: 609 Sheridan Rd, Evanston, Ill. 60202.

SHAND, DR. J(OHN) DOUGLAS, b. Lancaster, Pa., Aug. 13, 20. PSYCHOLOGY. Ph.D. Chicago, 53. ASSOC. PROF. PSYCHOL. GETTYSBURG COL., 54- Psychol. Asn. Address: Dept. of Psychology, Gettysburg College, Gettysburg, Pa. 17325.

SHANE, DR. ORRIN CLIFTON, b. Kalamazoo, Mich., Feb. 17, 39; m. 62; c. 1. ANTHROPOLOGY. B.A. Kalamazoo Col, 61; B.A. Michigan, 62, M.A., 64; Ph.D.(anthrop), Case, 67. ASST. PROF. ANTHROP. KENT STATE, 67- Kent State Univ. Faculty res. grants, 68- Anthrop. Asn; Soc. Am. Archaeol. North American prehistory; eastern United States; field work in Ohio principally dealing with Woodland Tradition sites. Publ: The Leimbach phase and its position in eastern North American prehistory, Univ. Microfilms, 67. Address: Dept. of Sociology & Anthropology, Kent State University, Kent, Ohio 44240.

SHANK, DR. ALAN, b. Philadelphia, Pa., May 12, 36; m. 60; c. 2. POLITICAL SCIENCE. B.A. Franklin & Marshall Col, 58; M.G.A. Pennsylvania, 60; Ph.D.(polit. sci), Rutgers, 67. Intern town admin. Middletown Twp, Pa. 59-60; planner urban renewal, Phila. Redevelop. Authority, 60; res. asst. bur. govt. res, Rutgers, 63-65; instr. POLIT. SCI, BOSTON, 65-67, ASST. PROF., 68- Consult. Interfaith Housing Corp. area develop. center, Boston Univ., 67-68. U.S.A., 60-62, Res. 62-66. Polit. Sci. Asn; Soc. Pub. Admin. New Jersey state reapportionment; city and metropolitan area government and politics; voting studies in Massachusetts. Publ: Co-auth. New Jersey's experience with general assembly districts, 1852-1893, Bur. Govt. Res. Rutgers, 66; auth. New Jersey reapportionment politics, Fairleigh Dickinson, 68. Address: 81 Francis St, Brookline, Mass. 02146.

SHANKER, DR. PREM, b. Varanasi, India, Jan. 7, 30. PSYCHOLOGY. B.Sc., Allahabad, 49; M.Sc. Patna, 51, B.L., 53; Fulbright grant, 58; Ph.D.(psychol), Lucknow, 60; Ph.D.(psychol), Washington (Seattle), 61. Res. asst. PSYCHOL, UNESCO Proj, India, 52-54; asst. prof. Lucknow, 55-58; res. assoc. Sci. Res. Assocs. Ill. 61; asst. prof. Allahabad, 62-63; Jodhpur, 63; reader, Agra, 63-65; asst. prof. WINNIPEG, 65-67, ASSOC. PROF., 67- Psychol. Asn; Interam. Soc. Psychol. Attitude change; scaling; perception; personality tests. Publ: Stereotype scale, Agra Univ, 65; Education and Rorschach intelligence, Arch. Psicologia, 66; Attitude change toward government, Ind. Psychol. Rev, 67. Address: Dept. of Psychology, University of Winnipeg, Winnipeg 2, Man, Can.

SHANKLIN, DR. H(ENRY) D(AVIS), III, b. Ashland, Ky., May 5, 21; m. 45; c. 3. PSYCHOLOGY. B.A. Kentucky, 42; M.S. Purdue, 47, Ph.D., 49. Asst. instr. PSYCHOL, Purdue, 45-48, instr. 48-49; asst. prof. La. State, 49-56; ASSOC. PROF. BUTLER, 56- U.S.A.A.F., 42-45. Educational, business, industrial and developmental psychology. Address: Dept. of Psychology, Butler University, Indianapolis, Ind. 46207.

SHANKWEILER, DR. PAUL W(ALBERT), Sociol, see 10th ed, Soc. & Behav. Vols.

SHANLEY, DR. FRED JAMES, b. Cando, N.Dak., Aug. 4, 19; m. 46; c. 2. SOCIOLOGY. M.A. Washington (Seattle), 48, Ph.D.(sociol.), 53. Res. scientist, Human Res. Unit II, Ft. Ord, Calif, 53-59; sr. res. assoc. youth studies center, Southern California, 59-65; ASSOC. PROF. SOCIOLOGY, CALIF. STATE COL. LOS ANGELES, 65- U.S.N.R., 42-46, Res. 46-, Lt. AAAS; Sociol. Asn. Social psychology and disorganization; demography. Publ: Comparative factors influencing school adjustment of adolescents; The aggressive middle class delinquent, J. Criminal Law, Criminol. & Police Sci, 6/66; Middle class delinquency as a social problem, Sociol. & Soc. Res, 1/67. Address: Dept. of Sociology, California State College at Los Angeles, 5151 State College Dr, Los Angeles, Calif. 90032.

SHANNON, DR. E. B(OYD), b. Morgan Co, Tenn., July 17, 11; m. c. 3. PSYCHOLOGY, ORGANIC CHEMISTRY. A.B. Bethany-Peniel Col, 32; M.Ed. Oklahoma, 50, Ed.D., 55. Indust. chemist, Skelly Oil Co, 35-41; chief chemist, Rock Island Ref. Corp., 41-42, gen. supt., 44-45; dir. res. Am. Wax Ref. Co, 43; indust. engr. Assoc. Refineries, Inc., 43-44; prof. chem. & ed. head dept. chem. & dean, Bethany Nazarene Col, 45-56; prof. phys. sci. & chmn. div. natural sci., PASADENA COL., 58-61, PROF. PSYCHOL. & CHMN. DIV. ED. & PSYCHOL. 61- Participant, psychol. teaching inst. Beloit Col, 64. Consult. U.S. Off. Ed. 35-67; Nat. Defense Ed. Act Insts, 65-68; Life Sci. Unlimited, D.C., 66 & 67; Univ. California, Los Angeles, 67. Mem. Nat. Ed. Res. Coun, 66-; state chmn. & secy. Calif. Coun. Teacher Ed, 67. Voc. Guid. Asn; Am. Sci. Affiliation; Psychol. Asn. Preparation and properties of urethane of sulfone-biacetic acid; personnel psychology; guidance; educational research. Address: 2111 E. Washington Blvd, Apt. 16, Pasadena, Calif. 91104.

SHANNON, PROF. J(ASPER) B(ERRY), b. Carlisle, Ky., June 15, 03; m. 38; c. 2. POLITICAL SCIENCE. A.B. Transylvania Col, 25; A.M. Wisconsin, 28, hon. fel, 31-32, Ph.D., 34; Harvard, 29-30. Instr. polit. sci. Kentucky, 28-29; asst. prof. hist. & polit. sci. Transylvania Col, 30-33, Clay prof, 34-36; res. assoc. pub. admin. Tenn. Valley Authority, 36; assoc. prof.

polit. sci. Kentucky, 36-45, prof., 45-57, acting head dept., 41-42, dir. bur. govt. res., 40-41; PROF. POLIT. SCI., NEBRASKA, 57-, chmn. dept., 58-61. Lectr. Wisconsin, 42-43, 52-53; head legis. anal. sect. bur. agr. econ. U.S. Dept. Agr., 43-44, asst. dir. grad. sch., 44-45; lectr. U.S. Army Univ., Italy, 45; Fulbright res. scholar, Norway, 54-55; vis. prof. Hopkins, 61-62; Woods res. prof. Switz, 67. Polit. Sci. Asn. Traits of political leaders and voting behavior; county consolidation; money in politics, United States and abroad. Publ: Toward a new politics in the South; Money and politics; co-auth. Presidential politics in Kentucky. Address: Dept. of Political Science, University of Nebraska, Lincoln, Nebr. 68508.

SHANNON, PROF. LYLE W(ILLIAM), b. Storm Lake, Iowa, Sept. 19, 20; m. 43; c. 4. SOCIOLOGY. B.A. Cornell Col, 42; M.A. Washington (Seattle), 47, Ph.D., 51. Acting instr. sociol. Washington (Seattle), 50-52; instr. Wisconsin, 52-54, asst. prof., 54-58, assoc. prof., 59-62; PROF. SOCIOLOGY & ANTHROPOLOGY, CHMN. DEPT., IOWA, 62- U.S.N.R., 42-45, Lt. Comdr. AAAS; Sociol. Asn; Pop. Asn; Soc. Study Social Probs; Soc. Appl. Anthropol. Sociology of deviant behavior; juvenile delinquency. Publ: Underdeveloped areas: a book of readings and research, Harper, 57; co-auth. Prediction of economic absorption and cultural integration among Mexican-Americans, Negroes and Anglos in a northern industrial community, Human Orgn, summer 65; Assimilation of migrants to cities: anthropological and sociological contributions, In: Urban affairs annual rev, Sage, 67. Address: Dept. of Sociology & Anthropology, University of Iowa, Iowa City, Iowa 52240.

SHANNON, BRO. PATRICK, F.S.C., b. Kansas City, Mo., May 3, 08. ECONOMICS, SOCIOLOGY. B.A. De Paul, 29; Manhattan Col, 32-39; Ph.D., St. Louis, 44. Teacher, high sch., Minn., 29-33; Ill., 33; Mo., 33-39; teacher & dean studies, 39-47; prof. econ. & chmn. dept. St. Mary's Col.(Minn.), 47-55; prof. bus. admin. Rockhurst Col, 55-59; Lewis Col, 59; SUPT. SCHS., CENT. PROV. BROS. OF CHRISTIAN SCHS., 59- Econ. Asn. Effective labor management relations; understanding and training of adolescents. Address: Provincial Residence, 414 N. Forest Ave, Oak Park, Ill. 60302.

SHANNON, PROF. RICHARD E(DWIN), b. Hardin, Mont., Feb. 27, 26; m. 49; c. 3. ECONOMICS. A.B. William Jewell Col, 49; M.A. Ohio State, 50, Ph.D. (econ), 55. Asst. ECON. Ohio State, 49-53, instr., 54-55; vis. lectr., Kenyon Col, 53-54; instr. Mich. State, 55-56; PROF. MONTANA, 56- Summer, Ford Found. fel, regional faculty res. seminar, Washington (Seattle), 60. U.S.N.R., 44-46. Econ. Asn; Royal Econ. Soc. Tax structures of the eleven Western States; economies and diseconomies in economic theory. Address: Dept. of Economics, University of Montana, Missoula, Mont. 59801.

SHANNON, DR. RUSSELL D(ELBERT), b. San Jose, Calif., Oct. 25, 38. ECONOMICS. B.A. Duke, 60; M.A. Tulane, 62, Ph.D.(econ), 66. Instr. ECON. CLEMSON, 65-66, ASST. PROF., 66- Econ. Asn. Macroeconomics. Address: Dept. of Economics, Clemson University, Clemson, S.C. 29631.

SHANNON, DR. W. WAYNE, b. Cincinnati, Ohio, Sept. 5, 35; m. 58; c. 2. POLITICAL SCIENCE. A.B. Kenyon Col, 58; Ph.D.(polit. sci), Cornell, 66. Asst. prof. polit. sci., La. State, 63-67; Congressional fel, Am. Polit. Sci. Asn, 67-68; ASST. PROF. POLIT. SCI., ILLINOIS, CHICAGO, 68- Polit. Sci. Asn. American political behavior; legislative behavior; political parties and elections. Publ: Party, constituency and congressional voting, La. State Univ, 68; Electoral margins and voting behavior in the U.S. House of Representatives, J. Polit, 11/68. Address: Dept. of Political Science, University of Illinois at Chicago Circle, Chicago, Ill. 60680.

SHAO, PROF. BING KUN, b. Canton, China, Nov. 27, 02; m. 46. ECONOMICS. B.A. Peiping, 36; M.S. Ore. State Col, 44; fel. Wisconsin, 45-46, Ph.D., 50. Asst. Wisconsin, 49, fel., 51-52; asst. prof. ECON. NORTHEAST MO. STATE COL., 54-64, assoc. prof., 64-67, PROF., 67- Agricultural economics; economic problems of underdeveloped areas. Publ: Methodology in the development of agricultural economics in China. Address: Dept. of Economics, Northeast Missouri State College, Kirksville, Mo. 63501.

SHAO, PROF. OTIS H., b. Shanghai, China, July 18, 23; nat; m. 55. INTERNATIONAL RELATIONS, POLITICAL SCIENCE. B.A. St. John's Univ, China, 46; M.A. Colorado, 50; fel. Brown, 53-54, Ph.D.(polit. sci), 57. Asst. polit. sci., Brown, 50-54; instr. Moravian Col, 54-56, asst. prof., 56-58; assoc. prof., 58-61; prof. polit. sci. & chmn. div. soc. sci., 61-62; assoc. prof. POLIT. SCI., FLA. PRESBY. COL., 62-65, PROF., 65- Summer lectr., Lehigh, 55. Mem. adv. bd. Col. Inst. Sys. Develop, 67-; mem. cmt. prog. develop. with overseas mem. cols. Coun. Protestant Cols. & Univs, 67- Polit. Sci. Asn; Asn. Asian Studies. Political theory; American Far Eastern policy; Communist China's foreign policy toward Japan; politics of development. Publ: Conference of Brussels, 1937 1/65 & Is foreign aid an effective instrument of foreign policy, 6/66, Int. Rev. Hist. & Polit. Sci.; Foreign students: to and fro, In: Challenges to the Christian Cols, 66. Address: Dept. of Political Science, Florida Presbyterian College, St. Petersburg, Fla. 33733.

SHAO, PROF. STEPHEN PINYEE, b. I-hsing, China, Jan. 24, 24; nat; m. 53; c. 4. ECONOMICS, BUSINESS ADMINISTRATION. B.C.S. Nat. Hunan Univ. China, 46; M.A. Baylor, 49; Ph.D.(statist. mgt. & econ), Texas, 56. Chief acct. State Bd. for State Hosps. & Spec. Schs., Tex., 52-54; head dept. bus. admin. Bluefield Col, 54-56; asst. prof. bus. admin. & statist. Col. William & Mary, 56-57, assoc. prof., 57-58, PROF., 58-62; MGT. & STATIST., OLD DOM. COL., 62- Mem. lectr. tour, Nat. Taiwan Univ., Chung Hsing Univ., Taiwan & Hong Kong Baptist Col, summer 61. Statist. & mgt. consult. Norfolk Naval Supply Center, 62- Econ. Asn; Am. Acct. Asn; Am. Statist. Asn. Statistical techniques as applied in industrial management. Publ: Statistics for business and economics, Merrill, 67; Mathematics of finance, South Western Pub, 2nd ed, 68. Address: School of Business, Old Dominion College, Norfolk, Va. 23508.

SHAPERO, PROF. ALBERT, b. Windsor, Ont., May 16, 21; U.S. citizen; m. 48; c. 2. MANAGEMENT. B.Sc. California, Berkeley, 49, M.Sc., 50. Prod. mgr., Mission Appliance Corp., 50-51; res. engr., Hughes Aircraft Co, 51-55; sect. mgr., Radioplane Co, 55-57; dir. tech. mgt. progs., Stanford Res. Inst., 57-67; PROF. MGT., TEXAS, AUSTIN, 66- Mem. cmt. sci. eng. & regional econ. develop. Nat. Acad. Sci-Nat. Acad. Eng., 67-; Commerce Tech. Adv.

Bd. Panel Tech. Manpower, 68- U.S.A.A.F, 43-46, Sgt. Oper. Res. Soc; Soc. Gen. Sys. Res. (v. pres, 61-62); Inst. Mgt. Sci; Inst. Aeronaut. & Astronaut. Management of technology, including national and corporate research and development policy, technical manpower policy, the design and formation of technology based organizations and research planning. Publ: Diffusion of innovations resulting from research, In: Research program effectiveness, Gordon & Breach, 66; The U.S. defense R&D industry, Cahiers de L'Isa, 2/68. Address: 4201 Northhills Dr, Austin, Tex. 78731.

SHAPIRO, DR. ALAN ABRAHAM, b. Regina, Sask, July 23, 41. ECONOMICS. B.A. Toronto, 63; Ph.D.(econ), London Sch. Econ, 67. Lectr. ECON, Regent St. Polytech, 64-66; asst. lectr, Univ. Col, London, 66-67; ASST. PROF, YORK (ONT), 67- Class instr, London Sch. Econ, 65-66; adv, H.M. Treas, U.K., 66-67. Econ. Asn; Economet. Soc. Monetary economics, theory and policy; macroeconomic theory. Address: Dept. of Economics, York University, Toronto 12, Ont, Can.

SHAPIRO, DR. ALVIN (PHILIP), Internal Med, see 11th ed, Phys. & Biol. Vols.

SHAPIRO, DR. ARNOLD, b. Brooklyn, N.Y., Mar. 6, 29; m. 58; c. 2. PSYCHOLOGY. A.B. Hunter Col, 62; M.S. Purdue, 65, Ph.D.(clin. psychol), 68. PSYCHOLOGIST, ROHRER, HIBLER & REPLOGLE, 68- Personality; interpersonal relationships. Publ: Co-auth, Patterns of self-disclosure among married couples, J. Counseling Psychol, (in press). Address: 1631 Biltmore Dr, Charlotte, N.C. 28207.

SHAPIRO, DR. A(RTHUR), Math. Statist, see 11th ed, Phys. & Biol. Vols.

SHAPIRO, DR. DAVID, Psychol, see 10th ed, Soc. & Behav. Vols.

SHAPIRO, DR. DAVID, b. Brooklyn, N.Y., July 20, 24; m. 51. PSYCHOLOGY. A.B. Illinois, 48; A.M. Michigan, 50, Ph.D., 53; Fulbright scholar, Paris, 52-53. Lectr. soc. psychol, Harvard, 53-55; instr. PSYCHOL, Wheaton Col. (Mass), 55-56; res. assoc, HARVARD MED. SCH, 56-63, assoc, 63-66, ASST. PROF, 66- Lectr. Mass. Inst. Tech, 55-56; res. psychologist, Beth Israel Hosp, Boston, 56-60; prin. investr, Nat. Inst. Ment. Health res. grant & U.S. Off. Naval Res. Proj, 60-; Nat. Inst. Ment. Health res. career develop. award, 63-; Nat. Sci. Found. res. grant & ed. consult, J. Personality & Soc. Psychol. Summer Soc. Sci. Res. Coun. fcls, Stanford, 55, 63. Consult, cmt. disaster studies, Nat. Res. Coun, 55-56; sch. med, Boston, 60-; consult. ed, Psychophysiology, 67- U.S.A., 43-46. AAAS; fel. Psychol. Asn; Soc. Psychophysiol. Res. Psychophysiology; operant autonomic conditioning; experimental social psychology; social behavior and autonomic psychology; behavior therapy. Publ: Co-ed, Psychobiological approaches to social behavior, Stanford, 64; auth, Group learning of speech sequences without awareness, Science, 144:74-76; co-auth, Reinforcement of spontaneous electrodermal activity, J. Comp. Physiol. Psychol, 61:20-27. Address: 165 Commonwealth Ave, Boston, Mass. 02116.

SHAPIRO, DR. DAVID L, b. Pittsburgh, Pa, Apr. 27, 24; m. 49; c. 2. ECONOMICS. LL.B. Detroit Col. Law, 50; M.A. Wayne State, 63; Ph.D.(econ), California, Berkeley, 66. Attorney, private practice, 50-54; rep, Ciba Pharmaceut. Co, 54-63; acting instr. ECON, CALIFORNIA, Berkeley, 65-66, ASST. PROF, LOS ANGELES, 66- Consult, TEMPO, Gen. Elec. Co, 67. U.S.A., 43-46, Sgt. Econ. Asn; Economet. Soc; Fed. Bar Asn. Water resources; law and economics of water resource development; conglomerate mergers; city planning. Publ: The Trinity River Project, Chandler Pub, (in press); co-auth, Some economic implications of city planning, Univ. California, Los Angeles Law Rev, 8/67; auth, Statistical appraisal of Trinity River Project, Ann. West. Regional Sci. Asn, (in press). Address: Dept. of Economics, University of California, Los Angeles, Calif. 90024.

SHAPIRO, DR. DAVID N(ORMAN), Ed. Psychol, see 10th ed, Soc. & Behav. Vols.

SHAPIRO, DR. DAVID S(IDNEY), b. New York, N.Y., Dec. 4, 23; m. 48; c. 2. CLINICAL PSYCHOLOGY. B.A. Brooklyn Col, 48; Ph.D. Columbia, 56. Psychol. intern, State Hosp. Conn, 51-52; asst, Hunter Col, 52-53; clin. psychologist, Tompkins County Ment. Health Clin, N.Y., 53-56; chief clin. psychologist, Bradley Center, Inc, 56-63, dir. training & ed, 63-66; LECTR. SOC. PSYCHIAT, SCH. PUB. HEALTH, HARVARD, 66- U.S.A., 43-46. Psychol. Asn; Pub. Health Asn. Conduct and evaluation of mental health training programs for physicians, clergy, public health nurses, social workers and others. Publ: Opening doors for troubled people, 63 & The mental health counselor in the community: the training of physicians and ministers, 68, C.C. Thomas; Mental health training for ministers, Am. J. Pub. Health, 3/67. Address: Dept. of Behavioral Sciences, Harvard School of Public Health, 55 Shattuck St, Boston, Mass. 02115.

SHAPIRO, DR. EDNA K(AUFMAN), b. Brooklyn, N.Y., May 21, 25; m. 53; PSYCHOLOGY. B.A. Mt. Holyoke Col, 46; M.A. Yale, 48, Sterling fel. & Ph.D.(psychol), 51. SR. RES. PSYCHOLOGIST, BANK ST. COL, 51- Psychol. Asn. Child development; cognitive processes; school as a psychological environment. Publ: Co-auth, The psychological impact of school experience, Basic Books, 68. Address: Research Dept. Bank Street College of Education, 216 W. 14th St, New York, N.Y. 10011.

SHAPIRO, PROF. EDWARD, b. Toledo, Ohio, July 19, 20. ECONOMICS. B.A. Toledo, 42; M.A. Ohio State, 45; M.A. Harvard, 47, Ph.D.(econ), 50. Instr. econ, Wayne, 47-50; financial economist, nat. income div, off. bus. econ, U.S. Dept. Commerce, D.C., 51-52; dist. economist, Detroit Dist. Off. Off. Price Stabilization, Mich, 52-53; res. dir, Bus. Res. Assocs, 54-61; assoc. prof. ECON, Detroit, 61-66; vis. prof, Wayne State, 66-67; PROF, TOLEDO, 67- Econ. Asn. National income accounting; macroeconomic theory; monetary theory and policy. Publ: Macroeconomic analysis, Harcourt, 68; Long-term student loans, spring 63 & Student loan programs, summer 63, Harvard Ed. Rev. Address: Dept. of Economics, University of Toledo, Toledo, Ohio 43606.

SHAPIRO, PROF. ELI, b. New York, N.Y., June 13, 16; m. 46; c. 2. FINANCE. A.B. Brooklyn Col, 36; A.M. Columbia, 37, Ph.D., 45. Instr. econ, Brooklyn Col, 36-41; economist, res. div, Off. Price Admin, 41-42; asst. prof. finance, Chicago, 46-47, assoc. prof, 48-52, prof, 52; Mass. Inst. Tech, 52-61, assoc. dean sch. indust. mgt, 54-58; PROF. FINANCE, BUS. SCH, HARVARD, 62- Res. assoc, Nat. Bur. Econ. Res, 38-39, consult, 39-42, mem. res. staff, 55-57. Bus. consult. & econ. analyst, div. monetary res, U.S. Dept. Treas, 41-42; staff consult, Cmt. Econ. Develop, 50-51, mem. res. adv. cmt, 61-; consult Secy. Treas; Inst. Defense Analyses. Mem. enforcement cmm, Wage Stabilization Bd, 52-53. Dep. dir, Res. Cmt. Money & Credit, 59-61. Award, dept. econ, Brooklyn Col, 36, distinguished alumni award, 49. U.S.N.R., 42-46, Lt. Econ. Asn; Finance Asn; fel. Am. Acad. Arts & Sci. Publ: Development of Wisconsin credit union movement, 47; Measurement of corporate sources and uses of funds, 64; co-auth, Money and banking, 68. Address: 514 Parker St, Newton Centre, Mass. 02159.

SHAPIRO, DR. GILBERT, b. New York, N.Y., July 1, 26; m. 51; c. 2. SOCIOLOGY. B.A. Cornell, 48, M.A., 51, Social Sci. Res. Center fel, 52-53, Ph.D. (sociol), 54. Asst. Cornell, 48-52; res. assoc, Dept. Correction, N.Y., 54-55; instr. sociol, Oberlin Col, 55-56, asst. prof, 56-59; Wayne State, 59-61; as-soc. prof, Washington (St. Louis), 61-65, dir. soc. sci. inst, 62-63; RES. assoc. prof. sociol, inst. human sci, Boston Col, 65-68; PROF. SOCIO. & HIST, PITTSBURGH, 68- Instr. & res. assoc, center community studies, Albany State Teachers Col, N.Y. State Univ, 51; Nat. Sci. Found. basic sci. res. grants, 63-67. Consult, Anti-Defamation League of B'nai B'rith, 55; center field & community serv, grad. sch. ed, N.Y. Univ, 55. U.S.A., 45-46. Fel. Sociol. Asn. Sociological theory; historical sociology; methods of social research; origins of the French Revolution. Publ: Myrdal's definitions of the South: a methodological note & Comparison of participant observation and survey data, Am. Soc. Rev; co-auth, Trends in human relations research. Address: Dept. of Sociology, University of Pittsburgh, Pittsburgh, Pa. 15213.

SHAPIRO, PROF. H(ARRY) L(IONEL), b. Boston, Mass, Mar. 19, 02; m. 38; c. 3. PHYSICAL ANTHROPOLOGY. A.B. Harvard, 23, A.M., 25, Ph.D.(anthrop), 26; fel, Bishop Mus, Honolulu, 23-24. Asst. curator PHYS. ANTHROP, AM. MUS. NAT. HIST, 26-31, assoc. curator, 31-42, CURATOR & CHMN. DEPT, 42-; PROF. ANTHROP, COLUMBIA, 43- Res. prof, Hawaii, 30-35; assoc, Bernice P. Bishop Mus, 56-; Brown & Haley lectrs, Col. Puget Sound, 56; Walter Suiter lectr, N.Y. Acad. Med, 58. Mem. div. anthrop. & psychol, Nat. Res. Coun, 31-33, 35-38, chmn. 53-54. Theodore Roosevelt distinguished serv. medal, 64. Fel. Nat. Acad. Sci; fel. Am. Acad. Arts & Sci; fel. Anthropol. Asn.(pres, 48); Ethnol. Soc.(pres, 42-43); Eugenics Soc. (v.pres, 53, pres, 55-62); Asn. Phys. Anthropol.(secy, 35-39, v.pres, 41-42); hon. fel, Anthropol. Soc. Vienna. Physical anthropology; human biology; race mixture; population. Publ: Heritage of the bounty, 36; Migration and environment, 39; Aspects of culture, 56. Address: American Museum of Natural History, New York, N.Y. 10024.

SHAPIRO, DR. HARVEY, b. New York, N.Y., Jan. 31, 32; m. 60. ECONOMICS. B.A. City Col. New York, 53; M.A. Wisconsin, 54, Ph.D.(econ), 61. Teacher & asst. econ. & statist, Wisconsin, 56-59, res. assoc, 57; instr. econ, Iowa State, 59-60; fiscal & financial economist state & local govt. finance, U.S. Dept. Agr, 60-65; FISCAL ECONOMIST, U.S. Bur. Budget, 65-67; U.S. DEPT. TREAS, 67- U.S.A., 54-56. Nat. Tax Asn; Econ. Asn. Address: Office of Tax Analysis, U.S. Dept. of the Treasury, Washington, D.C. 20220.

SHAPIRO, DR. HERBERT, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SHAPIRO, DR. HERBERT, Psychol, see 10th ed, Soc. & Behav. Vols.

SHAPIRO, COL. LEONARD, U.S.A.A.F, Int. Affairs, see 10th ed, Soc. & Behav. Vols.

SHAPIRO, LOUIS A, b. Montreal, Que, May 3, 19; m. 47; c. 3. ECONOMICS, SOCIOLOGY. B.A. McGill, 40, scholar, 40-42. Asst. sociol, McGill, 40-42; mem. staff econ. & statist, Combined Prod. Resources Bd, D.C., 42-46; ed. in chief bul. statist, UNITED NATIONS, 46-53, econ. adv. to Govt. Greece, 54-55, sr. officer nat. accts, hq, 56-58, CHIEF, REPORTS & STATIST. DIV, UN DEVELOP. PROG, 59- Vis. lectr, grad. sch, Yeshiva, 59-60. Consult, UN Econ. Cmn. for Latin Am, Chile, 48-49, Cent. Am. Econ. Integration Cmt, Guatemala, 56-57. Econ. Asn; Statist. Asn; Can. Inst. Int. Affairs. Economic and social development of low-income countries; national economic planning. Address: 576 Livingston St, Westbury, N.Y. 11590.

SHAPIRO, DR. MARTIN, b. Pittsburgh, Pa, Nov. 15, 33; m. 55. POLITICAL SCIENCE. B.A. California, Los Angeles, 55; Samuel Fels & Woodrow Wilson fcls. & Ph.D.(polit. sci), Harvard, 61. Instr. govt, Harvard, 60-62; asst. prof. POLIT. SCI, Stanford, 62-65; assoc. prof, CALIFORNIA, IRVINE, 65-66, PROF, 67- U.S.A., 55-57, Res, 57-, 1st Lt. Polit. Sci. Asn; Law & Society Asn. Judicial behavior; American politics; legal theory. Publ: Law and politics in the supreme court, 65 & Supreme court and administrative agencies, 68, Macmillan; Freedom of speech, the supreme court and judicial review, Prentice, 66. Address: 9136 W. 24th St, Los Angeles, Calif. 90034.

SHAPIRO, DR. MARTIN M, b. Brooklyn, N.Y., Dec. 29, 34; m. 55; c. 1. PSYCHOLOGY. A.B. Yale, 55; Ph.D.(psychol), Indiana, 59. U.S. Pub. Health Serv. res. fel. PSYCHOL, Indiana, 59-60; asst. prof, Houston, 60-63, ASSOC. PROF, 63-64; EMORY, 64- Vis. assoc. prof, col. med, Baylor, 63-64. AAAS; Psychol. Asn; N.Y. Acad. Sci; Psychonomic Soc. Learning, especially quantitative description of classical conditioning and mathematical models. Publ: Respondent salivary conditioning during operant lever pressing in dogs, Science; Salivary conditioning in dogs during fixed-interval reinforcement contingent upon lever pressing, J. Exp. Anal. Behav; co-auth, Chi-square partitioning, Psychol. Bull, 66. Address: Dept. of Psychology, Emory University, Atlanta, Ga. 30322.

SHAPIRO, SAM, b. New York, N.Y., Feb. 12, 14; m. 38; c. 2. BIOSTATISTICS. B.S. Brooklyn Col, 33. Acting chief pop. & classification sect, nat. hq,

Selective Serv. Syst. 43-44; study dir, surv. div, Vet. Admin. 46-47; chief natality anal. br, Nat. Off. Vital Statist. 47-54; sr. study dir, Nat. Opinion Res. Center, 54-55; asst. dir. div. res. & statist. HEALTH INS. PLAN OF GREATER NEW YORK, 55-59, dir, 59-64, V.PRES. 64- Lectr, Columbia Sch. Pub. Health & Admin. Med. 60- Fel. Statist. Asn; fel. Pub. Health Asn; Heart Asn; Pop. Asn. Am. Medical care statistics; survey design; morbidity and vital statistics. Publ: Co-auth, Infant, perinatal, maternal and childhood mortality in the United States, Harvard, 68; auth, End result measurements of quality of medical care, Milbank Mem. Fund Quart, 4/67; co-auth, Periodic breast cancer screening, Arch. Environ. Health, 11/67. Address: 58 Johnson Ave, Teaneck, N.J. 07666.

SHAPIRO, DR. SAMUEL, Latin Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SHAPIRO, DR. SANDRA M(ILSTEIN), b. New York, N.Y., May 23, 38; m. 64. PSYCHOLOGY. A.B. Hunter Col, 57; Pennsylvania, 58-59; col. fel, Bryn Mawr Col, 58-60, A.M. 60, Nat. Sci. Found. fel, 60-62, Ph.D.(psychol), 64. Res. assoc. physiol. psychol, QUEENS COL.(N.Y.), 63-65, instr. PSYCHOL, 65-67, ASST. PROF. 67- Psychol. Asn; Animal Behav. Soc. Comparative psychology of learning; experimental investigation of species-specific behavior; brain-behavior relations; forebrain function in fish. Publ: Co-auth, Classical conditioning in the fish: exploratory studies of partial reinforcement, 61 & Classical conditioning in the pigeon: exploratory studies of partial reinforcement, 62, J. Comp. & Physiol. Psychol; auth, Interocular transfer of pattern-discrimination in the goldfish, Am. J. Psychol, 65. Address: Dept. of Psychology, Queens College, Flushing, N.Y. 11367.

SHAPIRO, SOLOMON, Econ, see 10th ed, Soc. & Behav. Vols.

SHAPIRO, DR. STANLEY J, b. Boston, Mass, Jan. 15, 34; m. 60. MARKETING. A.B. Harvard, 55; M.B.A. Pennsylvania, 59; Ph.D.(appl. econ), 61. Asst. prof. mkt, Wharton Sch, Univ. Pennsylvania, 61-64; dir. res. & mkt. planning, Can. Advertising Agency, Ltd, Que, 65; study dir, Mkt. Res. Center Ltd, 65-67; ASSOC. PROF. MKT, GRAD. SCH. BUS. MCGILL, 67- U.S.A. 55-57, Lt. Mkt. Asn. Marketing research and history. Publ: Co-auth, Marketing and the computer, Prentice-Hall, 63; co-auth, Theory in marketing, 64 & Readings in the history of American marketing: settlement to Civil War, 67, Irwin. Address: 1020 Pine Ave. W, Graduate School of Business, McGill University, Montreal 2, Que, Can.

SHAPLEY, DR. J(AMES) L(OUIS), Audiol, Speech Path, see 11th ed, Phys. & Biol. Vols.

SHARF, DR. DONALD J, Speech, see 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.

SHARFMAN, PROF. I(SAIAH) L(EO), b. Russia, Feb. 19, 86; U.S. citizen; m. 10; c. 3. ECONOMICS. A.B. Harvard, 07, LL.B. 10; hon. LL.D. Brandeis, 64. Prof. law & polit. sci, Imp. Pei-Yang Univ, China, 10-11; lectr. ECON. MICHIGAN, 12-13, assoc. prof, 13-14, prof, 14-47, Adams prof, 47-55, chmn. dept, 27-55, EMER. PROF. 55- Chief investr, dept. regulation pub. utilities, Nat. Civic Fedn, 12-13; referee, Nat. R.R. Adjust. Bd, 36-; mem. & chmn, Presidential Emergency & Arbitration Bds. in R.R. Labor Disputes, 37-; vis. prof, Stanford, 39. Trustee, Brandeis, 55- Assoc. mem. War Labor Bd, 42-43. Ames prize, Harvard, 39. Distinguished fel, Econ. Asn.(pres, 45); Statist. Asn; Polit. Sci. Asn; Indust. Rels. Res. Asn; Acad. Arbit; Acad. Polit. Sci. Relation of government to economic life; regulation of public utilities and transportation. Publ: Railway regulation; American railroad problem; Interstate commerce commission. Address: Dept. of Economics, University of Michigan, Ann Arbor, Mich. 48104.

SHARKANSKY, DR. IRA, b. Fall River, Mass, Nov. 25, 38; m. 60; c. 2. POLITICAL SCIENCE. B.A. Wesleyan, 60; M.S. Wisconsin, 61, Ph.D.(polit. sci), 64. Asst. prof. POLIT. SCI, Ball State, 64-65; Fla. State, 65-66; Georgia, 66-68; ASSOC. PROF. WISCONSIN, MADISON, 68- Soc. Sci. Res. Coun. fel, 65; consult, Ga. State Tax Study Cmn, 67-68. Polit. Sci. Asn; Nat. Tax Asn. Public administration and finance; policy analysis; comparative state politics. Publ: Spending in the American states, Rand McNally, 68; Regionalism in American politics, Bobbs, 69; The routines of politics, Van Nostrand, 69. Address: Dept. of Political Science, University of Wisconsin, Madison, Wis. 53706.

SHARKEY, PROF. OWEN C, b. Winnipeg, Man, Oct. 28, 22. PSYCHOLOGY. B.A. St. Dunstan's, 44; M.A. Dalhousie, 58; Columbia, 59-61. Teacher, St. Dunstan's High Sch, 48-54; notary, Halifax Regional Tribunal, 54-59; ASSOC. PROF. ED. & PSYCHOL, ST. DUNSTAN'S, 61- Self concept and college achievement; preschool learning. Address: Dept. of Education & Psychology, St. Dunstan's University, Charlottetown, P.E.I., Can.

SHARKEY, PROF. ROBERT P, Am. Econ. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SHARKEY, VINCENT J, b. Brooklyn, N.Y., Apr. 17, 14; m. 42; c. 3. ENGINEERING PSYCHOLOGY. A.B. Fordham, 35, M.A. 37; Rochester, 38-40. Sect. head. eng. psychol, U.S. Navy Training Devices Center, 48-53; human eng. sect, oper. appln. lab, Air Force Cambridge Res. Center, 53-58, dir, lab, 58-60; SR. ENG. PSYCHOLOGIST, BOLT BERANEK & NEWMAN, INC, 60- Mem. panel human eng, Nat. Defense Res. Cmt, 50-51. U.S.N., 42-46, Lt. Human factors; psychological tests and measurements. Publ: Co-auth, Parametric studies of output data collected in the over-the-horizon detection program, Tech. Memorandum No. 82-16, 12/62, The detection of periods of anomalous radio propagation, BBN Report No. 1131, 4/64 & The analysis and display of the information contained in time-varying signals, 65-300, 4/65, Air Force Cambridge Res. Lab. Address: Bolt Beranek & Newman, Inc, 50 Moulton St, Cambridge, Mass. 02138.

SHARKEY, PROF. WILLIAM KENNETH, b. Greenwood, Ind, Feb. 2, 05. ECONOMICS, STATISTICS. A.B. DePauw, 27; A.M. Brown, 29; Duke, 29-30. Instr. econ. & statist, Arkansas, 30; from instr. to ASSOC. PROF. ECON, PURDUE, 31- Teaching, Indiana Univ, Kokomo Campus; Ins. Inst. Am.

Courses, State Farm Ins. Co. Econ. Asn. Social security; labor; insurance. Publ: Co-auth, Insurance section-financial handbook, Ronald, 64. Address: School of Industrial Administration, Purdue University, West Lafayette, Ind. 47906.

SHARLET, DR. ROBERT S(TEWART), b. Boston, Mass, Aug. 11, 35; m. 64. POLITICAL SCIENCE, COMPARATIVE POLITICS. B.A. Brandeis, 60; Nat. Defense fel, Indiana, 60-63, M.A. & cert, 62, For. Area fel, 63-64, Ph.D. (polit. sci), 68. ASST. PROF. POLIT. SCI, Missouri, 64-67; UNION COL. (N.Y.), 67- Vis. asst. prof. law, Wisconsin, summer 65 & 66-67; res. assoc, U.S. Arms Control & Disarmament Agency Proj, 65-67. U.S.A. 55-58, Res. 58-61. Polit. Sci. Asn; Asn. Adv. Slavic Studies. Political theory; Soviet political and legal development and methodology in communist studies. Publ: Co-auth, Legal aspects of verification in the Soviet Union, U.S. Arms Control & Disarmament Agency, 67; auth, Concept formation in political science and Communist studies, Can. Slavic Studies, Vol. I, No. 4; Systematic political science and communist systems, Slavic Rev, Vol. XXVI, No. 1. Address: Dept. of Political Science, Union College, Schenectady, N.Y. 12308.

SHARLIN, DR. HAROLD I, Hist. of Sci. & Tech, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SHARP, DR. AGNES ARMINDA, b. Chicago, Ill. PSYCHOLOGY. Ph.B. Chicago, 16, M.A. 30, Ph.D.(psychol), 38. Instr. & clin. psychologist, Rush Med. Col, Illinois, 30-54; chief volunteer serv, Ill. State Hosp, 51-56; personal counsr. employee welfare, Garden City Envelope Co, 56-58; CLIN. & INDUST. PSYCHOLOGIST, PHOENIX, 58- Lectr, Chicago, 47. Chief psychologist & dir. res, Psychiat. Inst, Munic. Court of Chicago, 33-51; mem. attend. staff, Presby. Hosp, Chicago, 42-58; qualified psychol. exam, Ill, 44-54; head med. dept. A.B. Dick Co, 44-45. Dipl. Am. Bd. Exam. Prfl. Psychol. Fel. Psychol. Asn. Job adjustment; mental health; industrial relations. Publ: Dynamic era in court psychiatry; Who volunteers in state hospitals; How volunteers work in state hospitals. Address: 1424 N. Gene Ave, Tempe, Ariz. 85281.

SHARP, PROF. ANSEL M, b. Rome, Ga, June 25, 24; m. 49; c. 2. ECONOMICS. B.S. Howard Col, 49; M.A. Virginia, 50; Ph.D.(econ), La. State, 55. Prof. soc. sci. & head dept, William Jewell Col, 55-56; asst. prof. ECON, Cincinnati, 56-57; from asst. prof. to PROF, OKLA. STATE, 57- Ford Found. econ. adv, Ministry Econ. Planning & Develop, Kenya, 66-68. Sig.C, U.S.A. 42-45, S/Sgt. Econ. Asn. Public and local finance; fiscal policy. Publ: Co-auth, Public finance, Dorsey, 64; auth, A reconsideration of the price of exchange theory of public finance, South. Econ. J, 65. Address: Dept. of Economics, Oklahoma State University, Stillwater, Okla. 74074.

SHARP, DR. FLORENCE A(GNETTA), b. Miles City, Mont, Mar. 9, 13; m. 37; c. 1. PSYCHOLOGY, SPEECH PATHOLOGY. B.A. Toronto, 35, dipl. 39; M.A. Southern California, 50, Ph.D. 55. Instr. PSYCHIAT. SCH. MED. LOMA LINDA, 54-62, ASST. CLERICAL PROF. 62- Psychotherapist, Edgemont Psychother. Serv, Hollywood, 57-61, adv. psychol. & speech path, 61-; clin. dir, counseling serv, First Unitarian Church, Los Angeles, 62-; speech pathologist, Am. Inst. Family Rels, 66- Speech pathologist & psychologist, private practice, 55- Mem. prfl. adv. coun. Dubnoff Sch. Ed. Ther, N. Hollywood, 63-; Campbell Hall Sch, 65-; adv. speech path. & mem. prfl. adv. coun. Zahm Sch. Individual Ed. W. Los Angeles, 65; mem. bd. adv. Handicap Ranch Found, Van Nuys, 66- Psychol. Asn; Speech & Hearing Asn; Soc. Clin. Hypnosis; Int. Soc. Clin. & Exp. Hypnosis; Int. Soc. Comprehensive Med. Speech therapy; psychotherapy. Publ: The child imposter: pseudo-mental retardation, Brit. J. Disorders Commun, 10/66; Toward richer lives. Register-Leader, Unitarian Universalist Assn, 6/66; Judgments of psychosis form vocal cues, J. Speech & Hearing Disorders, 11/63. Address: Dept. of Psychiatry, School of Medicine, Loma Linda University, Loma Linda, Calif. 92354.

SHARP, DR. HARRY P(ALMER), b. Highland Park, Mich, Oct. 10, 25; m. 51; c. 2. SOCIOLOGY. B.A. Mich. State, 49; M.A. Michigan, 51, Ph.D.(sociol), 55. DIR. SURV. RES. LAB. & ASSOC. PROF. SOCIOL, WISCONSIN, 61- U.S.A. 43-46. Sociol. Asn; Pop. Asn. Survey research; demography; ecology. Publ: Non-residential population of the central business district of Flint, Michigan; Social profile of Detroit, 1955; co-auth, Correlates of values about ideal family size in the Detroit metropolitan area, Pop. Studies. Address: 5809 S. Hill Dr, Madison, Wis. 53705.

SHARP, DR. HEBER C(ANNON), b. Rexburg, Idaho, Nov. 24, 04; m. 38; c. 7. PSYCHOLOGY. B.S. Utah, 44, M.S. 45, Ph.D.(psychol), 55; scholar, Stanford, 46. Instr. PSYCHOL, UTAH STATE, 46-47, asst. prof, 47-49, assoc. prof, 49-60, PROF, 60-, HEAD DEPT, 66- Consult, State Hosp. South, Blackfoot, Idaho, 49-52. Psychol. Asn. Experimental psychology; learning. Publ: Effect of contextual constraint upon recall of verbal passages, Am. J. Psychol; Effects of subliminal cues on test results, J. Appl. Psychol; Comparison of slow learner's scores on three individual intelligence scales, J. Clin. Psychol. Address: 158 E. Third St. N, Logan, Utah 84321.

SHARP, DR. J. FRANK, b. Vienna, Ill, Sept. 29, 36. OPERATIONS RESEARCH, MATHEMATICAL ECONOMICS. B.S. Southern Illinois, 59; M.S. Illinois, 61; Ph.D. Purdue, 66. ASST. PROF. indust. eng, Rutgers, 64-67; OPERS. RES. N.Y. UNIV, 67- Inst. Indust. Eng. Statist. Asn; Inst. Mgt. Sci. Linear and nonlinear programming. Address: Dept. of Operations Research, New York University, 68 Trinity Place, New York, N.Y. 10006.

SHARP, LAURE M, b. Frankfurt, Germany, Apr. 10, 21; U.S. citizen; m. 47; c. 3. SOCIOLOGY. B.A. Hunter Col, 44; M.A. American Univ, 58. Res. analyst, U.S. Off. Strategic Serv. & Dept. State, 44-47; surv. statistician, U.S. Dept. Labor, 50-53; res. assoc, Bur. Soc. Sci. Res. Inc, 53-56; res. dir, D.C. Tuberc. Asn, 58-59; SR. RES. ASSOC, BUR. SOC. SCI. RES. INC, 59- Consult, Nat. Insts. Health, 51-61; Nat. Soc. Prfl. Engrs, 52- Sociol. Asn; Asn. Pub. Opinion Res. Manpower utilization; relationships between education and work. Publ: Two years after the college degree: work and further study patterns, U.S. Govt. Printing Off, 63; Graduate study and its relation to careers: the experience of a recent cohort of college graduates, J. Human Resources, fall 66; co-auth, Out of uniform: the employment ex-

perience of retired servicemen who seek a second career, *Monthly Labor Rev.* 1-2/67. Address: Bureau of Social Science Research, Inc, 1200 17th St. N.W., Washington, D.C. 20036.

SHARP, PROF. LAURISTON, b. Madison, Wis., Mar. 24, 07; m. 36; c. 2. **ANTHROPOLOGY**. B.S. Wisconsin, 29; Vienna, 30-31; Australian Nat. Res. Coun. fel, 33-35; Ph.D.(anthrop), Harvard, 37. Instr. anthrop, CORNELL, 36-38, asst. prof, 38-44, assoc. prof, 44-47, from prof. anthrop. to PROF. **ANTHROP. & ASIAN STUDIES**, 47-. **DIR. CORNELL-THAILAND PROJ.**, 67- Acting asst. chief, Div. Southeast Asian Affairs, U.S. Dept. State, 45-46. Mem. Logan Mus. N.African Exped, 30; Fox Indian Reservation Study, 32; N. Queensland Expeds, Australia, 33-35. Fel. Anthrop. Asn; Soc. Appl. Anthrop; Asn. Asian Studies (pres, 61-62). Cultural anthropology of Oceania, Southeast Asia. Publ: Siamese rice village; Bibliography of Thailand; Handbook on Thailand. Address: Dept. of Anthropology, Cornell University, Ithaca, N.Y. 14850.

SHARP, DR. L(EROY) HAROLD, b. Mendota, Ill., Apr. 1, 06; m. 31; c. 2. **PSYCHOLOGY**. B.S. Illinois, 30; M.S. Northwestern, 37, Ph.D.(psychol), 40. Asst. psychol, Northwestern, 36-40; instr. Illinois, 40-42; Columbia, 42-43; asst. prof, Indiana, 43-44; Maryland, 44-45; personnel res. technician, Fed. Security Agency, 45-47; res. psychologist, personnel res. br., adj. gen. off., U.S. Dept. Army, 47-59; dir. performance eval. div., U.S. Naval Personnel Res. Activity, WASH, D.C., 59-60, superv. res. psychologist, 60-63, dir. psychol. res. dept., U.S. NAVAL PERSONNEL RES. LAB, 63-64, dir. selection res. div., 64-65, **DIR. PERSONNEL MEASUREMENT RES. DEPT.**, 65-. Psychol. Asn; Malacol. Union. Relations of residual muscular tension to work output and fatigue; special interviewing techniques; personnel selection and classification; training and performance evaluation; military psychology. Publ: Effects of residual tension on output and energy expenditure in muscular work, 1-22 & co-auth. Muscular action potentials and the time-error function in lifted weight judgments, 23-36, J. Exp. Psychol., 7/41; Selection of quartermaster personnel for Arctic assignment, U.S. Army Personnel Res. Br. Res. Report, 53. Address: Walnut Lodge, Herndon Heights, Herndon, Va. 22070.

SHARP, PROF. SAMUEL L(ONARD), b. Plonsk, Poland, Sept. 13, 08; nat; m. 47; c. 3. **POLITICAL SCIENCE**. LL.M., Warsaw, 32, J.D., 34. Ed. Haint, Poland, 26-39; res. analyst Off. Strategic Serv., 43-46; res. assoc. INT. RELS. Found. For. Affairs, D.C., 46-49; PROF., AMERICAN UNIV., 50-. Rockefeller Found. grant, 59; res. fel., Russian Res. Center, Harvard, 59-60. Consult, spec. ops. res. off., Hudson Inst., Rand Corp., 56-62. U.S.A., 43-46, 1st Lt. Polit. Sci. Asn. History; government, politics, economics and social relations in Soviet Union and other Communist-governed countries. Publ: New constitutions in the Soviet sphere; Poland, white eagle on a red field. Address: School of International Service, American University, Washington, D.C. 20016.

SHARP, PROF. WALTER R(ICE), b. Greenwood, Ind., Jan. 25, 96. **INTERNATIONAL RELATIONS**. A.B. Wabash Col., 17, hon. LL.D., 64; Yale, 19-20; Strasbourg, 20; Am. Field Serv. fel., 20-22; London, 21; Dr. Droit, Bordeaux, 22. Asst. prof. hist., Washington & Lee, 22-23; instr. polit. sci., Wisconsin, 23-24, asst. prof., 24-27, assoc. prof., 27-32, prof., 32-40; chmn. dept. govt., City Col. New York, 40-51; prof. **POLIT. SCI., YALE**, 51-64, **EMER. PROF.**, 64-. Soc. Sci. Res. Coun. fel., 26-27, fel. secy., 28-32; vis. lectr., Harvard, 34-35; Guggenheim fel., 39-40. Chief West. European sect. div. polit. studies, U.S. Dept. State, 42-43; orgn. planning, Food & Agr. Orgn., 44-45; admin. consult, World Health Orgn., 46-48; chief int. coop. div., UNESCO, 48-50; UN co-dir., Inst. Pub. Admin., Egypt, 54-55. U.S.A., 17-19, Capt. Am. Polit. Sci. Asn; Soc. Pub. Admin; Int. Polit. Sci. Asn. French government and administration; international politics; organization and administration. Publ: Government of the French Republic; Field administration in the United Nations system; co-auth. Contemporary international politics. Address: 766 University Ave., Palo Alto, Calif. 94301.

SHARP, DR. WILLIAM HARRY, b. Moorestown, N.J., Apr. 20, 30; m. 52; c. 2. **PSYCHOLOGY**. B.A. Denison, 52; M.A. Ohio, 54; Ph.D. Ohio State, 59. Asst. counseling & testing center, Ohio State, 55-56, counsr., 56, asst. instr. counseling psychol., 56-57; staff psychologist, Franklin County Juvenile Court, Ohio, 57-58; interim asst. prof. psychol., Catholic Univ., 58-59; asst. prof. study skills, WYOMING, 59, asst. prof. **PSYCHOL.**, 60-62, assoc. prof., 62-68, **PROF.**, 68-. **DIR. DIV. COUNSELING & TESTING**, 64-. superv. counseling center, 60-64. Participant, Nat. Defense Ed. Act. Guid. Inst., Stanford, summer, 65. Voc. consult, Soc. Security Admin., 63-; consult, Wyo. Div. Voc. Rehab., 64-67; Southeast Wyo. Ment. Health Center, 67-. Psychol. Asn; Personnel & Guid. Asn; Nat. Coun. Measurement in Ed. Personality theory as it relates to interpersonal situations, especially in counseling and psychotherapy; measurement and predication of productive behavior. Publ: Education counseling, In: Counseling in the secondary school. Address: Dept. of Psychology, University of Wyoming, Laramie, Wyo. 82070.

SHARP, PROF. WINFORD L(EE), Psychol., see 10th ed, Soc. & Behav. Vols. Latest known address: 802 Capital Manor, Box 5000, Salem, Oregon 97304.

SHARPE, PRES. RUSSELL T(HORNLEY), b. East Greenwich, R.I., Oct. 9, 05; m. 46; c. 2. **SOCIOLOGY**. S.B. Harvard, 28, Sheldon traveling fel., 28-29, scholar, 29-32; Ph.D., Stanford, 55. Mem. admin. staff, Harvard, 29-40; chief recruitment & placement div., Vet. Admin., Calif., 46-48; admin. v.pres., dean gen. studies & lectr. personnel admin. & human rels., Golden Gate Col., 48-53; pres., Monticello Col., 53-58, dir. prep. sch. & lectr. **HUMAN RELS. & HUMANITIES**, 53-58; **LECTR. & PRES. GOLDEN GATE COL.**, 58-. Consult, Army Mgt. Training Agency, Rock Island, Ill., 65-. U.S.A.A.F., 40-46, Col. Sociological and cultural influences affecting human relationships in formal organizations; situational factors in leadership and administrative processes; leadership norms. Publ: Financial aid to college students; Dilemma of leadership & Leader and his audiences, Jr. Col. J. Address: Golden Gate College, 536 Mission St., San Francisco, Calif. 94102.

SHARPE, DR. WILLIAM FORSYTH, b. Boston, Mass., June 16, 34; m. 54; c. 2. **ECONOMICS, COMPUTER SCIENCE**. A.B. California, Los Angeles, 55, M.A., 56, Ph.D.(econ), 61. Asst., California, Los Angeles, 55-56; economist,

Rand Corp., 57-61; asst. prof. finance, WASHINGTON (SEATTLE), 61-63, **ASSOC. PROF. ECON. & OPERS. RES.**, 63-. Instr., California, Los Angeles, 60; asst. prof., San Fernando Valley State Col., 61; Ford Found. faculty fel., 62. Consult, airplane div., Boeing Co., 62-63; logistics dept., Rand Corp., 63-65, computer sci. dept., 65-. U.S.A.R., 55-64, Capt. Asn. Comput. Mach.; Econ. Asn; Inst. Mgt. Sci. Economic aspects of data processing equipment and electronic computers. Publ: Risk-aversion in the stock market—some empirical evidence, J. Finance, 9/65; Computer pricing policies from an economist's point of view, Proc. Int. Symp. Econ. Automatic Data Processing, 10/65; Mutual fund performance, J. Bus., 1/66. Address: Dept. of Economics, University of Washington, Seattle, Wash. 98105.

SHARPLESS, PROF. SETH K(INMAN), Pharmacol., Physiol., Psychol., see 11th ed, Phys. & Biol. Vols.

SHARROCK, DR. FLOYD W(AYNE), b. Bristow, Okla., Feb. 15, 33; m. 66. **ANTHROPOLOGY**. B.A., Oklahoma, 57, M.A., 60; Ph.D.(anthrop), Utah, 66. Asst. res. prof. **ANTHROP.**, Utah, 66-67; **ASST. PROF. NEVADA**, 67-. Fel. Anthrop. Asn; Soc. Am. Archaeol. North American archaeology and ethnology; physical anthropology. Publ: The Hazzard collection, Arch. Archaeol., 63; Prehistoric occupation patterns in southwest Wyoming and cultural relationships with the Great Basin and Plains culture areas, Number 77, 66 & Archaeological survey of Canyonlands National Park, Number 83, 66, Univ. Utah Anthrop. Papers. Address: Dept. of Anthropology, University of Nevada, Reno, Nev. 89507.

SHARTLE, DR. CARROLL LEONARD, b. Ruthven, Iowa, June 26, 03; m. 31; c. 2. **PSYCHOLOGY**. B.A., Iowa State Teachers Col., 27; A.M., Columbia, 32; Ph.D.(psychol), Ohio State, 33. Instr. psychol., Mich. State Col., 33-35; chief worker anal. sect., U.S. Dept. Labor, 35-39; chief occup. anal. sect., U.S. Soc. Security Bd., 39-42; chief div. occup. anal. & manning tables, War Manpower Cmn., 42-44; prof. psychol., Ohio State, 44-61, exec. dir., personnel res. bd., 44-55, chmn., 55-61; staff adv. for behav. sci. off. dir. defense res. & eng. Off. Secy. Defense, 61-64; **DIR. RES. DIV., OHIO STATE**, 64-. Consult, Asst. Secy. Defense, 54-59. Dir., Soc. Sci. Res. Coun., 54-60; dir. res. human resources res. inst., U.S. Air Force, 52-53. Mem. cmt. classification mil. personnel & aviation psychol., Nat. Res. Coun., 40-46, chmn. cmt. release of tests, 44-45; President's Cmt. Occup. Deferment; mem. cmt., U.S. Employ. Serv., 66-. AAAS; fel. Psychol. Asn.(treas., 47-57). Leadership and organization structure. Publ: Occupational information; executive performance and leadership; co-auth. An approach to dimensions of value, J. Psychol., 64. Address: 6699 Olentangy River Rd., Worthington, Ohio 43085.

SHATIN, PROF. LEO, b. Brooklyn, N.Y., Mar. 13, 19; m. 45; c. 4. **PSYCHOLOGY**. B.A., Brooklyn Col., 39; Ph.D.(soc. rels.), Harvard, 51. Intern. clin. psychol., Worcester State Hosp., 41-42; clin. psychologist, West Roxbury Vet. Admin. Hosp., 47-51; chief clin. psychologist, Brooklyn & Albany Vet. Admin. Hosps., 51-60; **PROF. PSYCHOL. & DIR. DIV. BEHAV. SCI., N.J. COL. MED. & DENT.**, 60-. From asst. to assoc. prof., Albany Med. Col., Union (N.Y.), 54-60; lectr. eve. & nursing divs., Russell Sage Col., 57-60. Consult. psychologist, Musicians Emergency Fund, Inc., 55-; consult, div. voc. rehab., State Dept. Ed., N.Y., 55-60; State Dept. Soc. Welfare, 58-59; Albany Med. Center pastoral counseling training prog., 57-60. U.S.N.R., 42-46, Lt. AAAS; Fel. Psychol. Asn; fel. Orthopsychiat. Asn; Pub. Health Asn. Personality theory and development; motivation; psychological tests; evaluation of psychological treatment methods. Publ: Co-auth. Sex knowledge, intelligence, and sexual adjustment, J. Soc. Psychol., Psychological remotivation of the medical patient: a quantitative study in rehabilitation methods, J. Chronic Disease & Methoxydione (AHR-233) in hospitalized non-psychotic patients, Am. J. Psychiat. Address: Division of Behavioral Sciences, New Jersey College of Medicine & Dentistry, Jersey City, N.J. 07304.

SHATTO, DR. GLORIA McDERMITH, b. Houston, Tex., Oct. 11, 31; m. 53; c. 2. **ECONOMICS**. B.A., Rice, 54, univ. fel., 61-64, Am. Asn. Univ. Women fel., 64-65, Ph.D.(econ), 66. Mem. mkt. res. staff, Humble Oil & Ref. Co., 54-55; teacher, pub. schs., C.Z., 55-56, Tex., 56-60; **ASST. PROF. ECON., HOUSTON**, 65-. summer res. grants, 66 & 68. Summers, mem., N.Y. Univ. Forum on Finance, 66 & Orgn. Am. States fel., 68. Econ. Asn; Finance Asn. Corporate demand for liquid financial assets, 1947-1962; economic study of Cuna San Blas Indians of Panama. Publ: Money substitutes for the corporate business sector, J. Finance, 3/67. Address: 7711 Bellerive, Houston, Tex. 77036.

SHATTUCK, DR. GERALD M(ICHAE), b. Syracuse, N.Y., May 4, 29; m. 54; c. 2. **SOCIOLOGY**. A.B. LeMoyne Col.(N.Y.), 53; Ph.D.(sociol), Cornell, 64. **ASST. PROF. SOCIOL. FORDHAM**, 64-. Sociol. Asn. Urban studies, especially the areas of education, poverty and minority groups; social change, especially structural change in community life of American society. Publ: Between two cultures. . . , Cornell Int. Develop. Inst., 65; co-auth. Community intervention and the correctional mandate, U.S. Govt. Printing Off., 67. Address: Dept. of Sociology, Fordham University, Bronx, N.Y. 10458.

SHATTUCK, PROF. LEROY A(LTUS), JR., b. Pepperell, Mass., Feb. 5, 11; m. 36. **FINANCE**. A.B. Dartmouth Col., 35; Ph.D. Hopkins, 38; LL.B., Duquesne, 50. Instr., Dartmouth Col., 38-41; asst. prof., Carnegie Inst. Tech., 41-42; indust. rels. analyst, Carnegie-III. Steel Corp., 45-46; **PROF. FINANCE, PITTSBURGH**, 46-. U.S.A.A.F., 42-45. Finance Asn. Corporation finance; investments; law. Address: Graduate School of Business, University of Pittsburgh, Pittsburgh, Pa. 15213.

SHAUDYS, PROF. EDGAR T(REGO), b. Newtown, Pa., Nov. 23, 28; m. 52; c. 4. **AGRICULTURAL ECONOMICS**. B.S. Wilmington Col., 50; M.S. Ohio State, 52, Ph.D.(farm mgt), 54. Lab. asst. biol., Wilmington Col., 47-50; asst. **AGR. ECON. & RURAL SOCIOL., OHIO STATE**, 50-54, asst. prof., **AGR. EXP. STA.**, 54-60, assoc. prof., 60-65, **PROF.**, 65-. Agr. Econ. Asn. Farm management. Publ: Co-auth. Labor and equipment for feeding silage, Costs and returns of the beef breeding enterprise in Western Ohio & Labor, equipment and costs of using rotational grazing and green chop pasture systems in Ohio, Ohio Agr. Exp. Sta. Res. Bulls. Address: Dept. of Agricultural Economics, Ohio State University, 2120 Fyffe Rd., Columbus, Ohio 43210.

- SHAUDYS, PROF. VINCENT K(IRKBRIDE), b. Newtown, Pa, Oct. 2, 27; m. 56. GEOGRAPHY. B.A. Duke, 50; M.A. Ohio State, 53. Ph.D. 56. Asst. prof. geog. Montana State, 56-61, assoc. prof. 61-62, chmn. dept. 57-62; Phillips Found. intern acad. admin. Stanford, 62-63; asst. to pres. CALIF. STATE COL. HAYWARD, 63-67. PROF. GEOG. 63- Fulbright lectr. Dacca, 58-59. U.S.N.R. 46-47. Asn. Am. Geog. Assn. Geog. Soc. Geog. Soc. E. Pakistan. Political geography; geomorphology; North America; South Asia. Publ: External political geography of Dutch New Guinea, Oriental Geogr; External aspects of the political geography of five diminutive European states, J. Geog; Geographic consequences of establishing sovereign political units, Prfnl. Geogr. Address: Dept. of Geography, California State College at Hayward, 25800 Hillary St, Hayward, Calif. 94541.
- SHAW, DR. CARROLL K(INGSLEY), b. New York, N.Y., Jan. 6, 06; m. 31; c. 4. PUBLIC ADMINISTRATION, POLITICAL SCIENCE. A.B. Oberlin Col, 28; A.M. Syracuse, 29, Brookings Inst. fel, 30-31; univ. fel, Illinois, 31-32, Ph.D. 33. Exam. orgn. & methods, Fed. Emergency Admin. Pub. Works, 33-35, supvr. procedure staff, 35-37; lectr. & alumni secy, Oberlin Col, 37-41; admin. officer, War Prod. Bd, 42-44, assoc. orgn. consult. pub. admin, 44-47; spec. invest. tax admin, Joint Congressional Cmt. Internal Rev, 47-48; dir. admin. Nat. Labor Rels. Bd, 48-52; pub. admin. adv. AGENCY INT. DEVELOP, 52-67, DEPT. DIR. TECH. ADV. STAFF, BUR. EAST ASIA, 67- Polt. Sci. Asn; Acad. Polt. & Soc. Sci; Soc. Pub. Admin; Asn. Asian Studies. Personnel, budget and fiscal administration; supervision of field operations in governmental agencies; general problems of organization and administration in governmental agencies; especially in foreign countries in Latin America. Near and Far East and Africa. Publ: Co-auth, Industrial mobilization for war. Address: Bureau for East Asia, Agency for International Development, Washington, D.C. 20523.
- SHAW, DEAN DALE JEAN, b. Kansas City, Kans, July 19, 29; m. 56; c. 2. PSYCHOLOGY. B.S. Fla. State, 60; M.S. Purdue, 62, Ph.D.(clin. psychol), 64. Psychol. intern. Vet. Admin, Indianapolis, Ind, 63-64; fel. neuropsychol, sch. med, Wisconsin, 64-65; res. psychologist, N.Dak. State Hosp, Jamestown, 65-66; ACAD. DEAN & PROF. PSYCHOL, JAMESTOWN COL, 66- Vis. lectr, North Dakota, 66. U.S.A.R. 43. Psychol. Asn; Int. Neuropsychol. Soc. Human clinical neuropsychology; psychometrics; test construction; localization and identification of central nervous system disease and/or disorder in adults and children. Publ: Sexual bias in the WAIS, J. Consult. Psychol, 65; The reliability and validity of the Halstead Category Test, J. Clin. Psychol, 66; co-auth, Psychometric and adaptive ability comparisons in neurologic and pseudo-neurologic subjects, Cortex, 66. Address: Jamestown College, Jamestown, N.Dak. 58401.
- SHAW, DR. DUANE C(ARROLL), b. Rippey, Iowa, Aug. 5, 11; m. 43; c. 4. EDUCATIONAL PSYCHOLOGY. Ph.D.(ed), Iowa, 48. Asst. prof. psychol. & ed, Carnegie Inst. Tech, 48-55, asst. to head bur. measurements & guid, 52-55; staff asst, orgn. planning div, Jones & Laughlin Steel Corp, 55-59; human factors scientist, Syst. Develop. Corp, 59-67; MGR. ED. MKT. PROG, UNIVAC DIV, SPERRY RAND CORP, 67- U.S.A.A.F. 42-45, Lt. Psychol. Asn; Asn. Comput. Mach. Psychological measurement; relation of mental abilities to achievement; criterion validation in work performance. Publ: Relation of primary mental abilities to high school achievement, J. Ed. Psychol; Relation of socio-economic status to educational achievement in grades four to eight, J. Ed. Res. Address: 284 Eastside Ave, Ridgewood, N.J. 07450.
- SHAW, PROF. EARL B(ENNETT), b. Monroe, Iowa, Mar. 18, 89; m. 40. ECONOMIC GEOGRAPHY. A.B. Washington (St. Louis), 27, M.S. 29; Ph.D.(geog), Clark, 33. Vis. prof. GEOG, Puerto Rico, 32-33; prof. & head dept, State Col, Worcester, 33-59; PROF. ASSUMPTION COL, 59- Vis. prof, Puerto Rico, 40; lectr, World Fedn. Ed. Assn. Conf. S.Am, 39; Bd. Geog. Names, 42-43; Off. Strategic Serv, 45; head geog. br, U.S. Army Univ, Eng, 45-46; Fulbright lectr, Ibrahim Univ, Egypt, 52-53. U.S.A. 17-19. AAAS; Asn. Am. Geog; Nat. Coun. Geog. Ed.(pres, 49). Economic geography. Publ: World economic geography; Anglo-America; Fundamentals of geography, Wiley, 65. Address: Dept. of Geography, Assumption College, Worcester, Mass. 01609.
- SHAW, PROF. EDWARD STONE, b. Albuquerque, N.Mex, Dec. 19, 08. ECONOMICS. A.B. Stanford, 29, A.M. 30, Ph.D. 36. Asst. ECON. STANFORD, 29-31, instr, 31-36, asst. prof, 36-39, assoc. prof, 39-41, PROF. 41-, exec. head dept, 41-42, 48-53. Soc. Sci. Res. Coun. fel, 37-38; with Off. Price Admin, 42-43; U.S. Dept. Treas, 61-; U.S. Army Eng. Corps, 61. Consult, Agency Int. Develop, 64-67; Ford Found, 67- Trustee, Teachers Ins. & Annuity Assn. Am, 63-67. Mem. adv. bd, Cmn. Money & Credit, 58-61. U.S.N.R. 43-46. Fel. Am. Acad. Arts & Sci; Am. Econ. Asn; Royal Econ. Soc. Money; financial development; income analysis. Publ: Money, income and monetary policy; Money in a theory of finance. Address: 525 Los Arboles Ave. Stanford. Calif. 94305.
- SHAW, DR. ERNEST R(AY), Econ, see 10th ed, Soc. & Behav. Vols.
- SHAW, EUGENE F. S.J., b. Milwaukee, Wis, June 6, 24. SOCIOLOGY, COMMUNICATIONS. A.B. Marquette, 47, M.A. 49; Ph.L. St. Louis, 55, Th.L. 61; M.A. Stanford, 63, Ph.D.(commun), 67. Instr. Marquette Univ. High Sch, 55-57; res. asst, inst. commun. res, Stanford, 63-66; ASST. PROF. SOCIOL. & JOURNALISM, MARQUETTE, 67- U.S.N. 43-46, Lt. (jg). Asn. Ed. in Journalism; Sociol. Asn; Nat. Soc. Study Commun. Development of communication systems in society; communication in economic and social development; information processing; media performance and effects. Address: Dept. of Sociology & Journalism, Marquette University, 1135 W. Kilbourn Ave. Milwaukee, Wis. 53233.
- SHAW, DR. FREDERICK, b. New York, N.Y., Sept. 24, 12; m. 40; c. 2. POLITICAL SCIENCE. B.A. City Col. New York, 32; Oxford, 37; M.A. Columbia, 33, Ph.D.(polit. sci, hist), 50; N.Y. Univ. 54-56; Cornell, 61. Teacher, high schs, N.Y. 35-43, 46-53, chmn. dept. soc. sci, 42-43; chief res. & eval, separation centers, Camp Blanding, Fla. & Ft. Bragg, N.C. 44-46; res. asst. admin. res, Bur. Admin. & Budgetary Res, New York, 66-67; Coordinator state & fed. assisted progs, ED. ED. CITY OF NEW YORK, 67, ACTING
- DIR. ADMIN. RES, BUR. ED. PROG. RES. & STATIST, 67- Lect, Maryland & Rhode Island, 62-64; vis. prof, City Col. New York, 64-66. Spec. exam, New York City Dept. Personnel, 65-; res. consult, finance unit, New York City Coun, 65- Adj.Gen.C, 43-46, T/Sgt. Acad. Polt. & Soc. Sci; Ed. Res. Asn; Polt. Sci. Asn; Soc. Pub. Admin. State and local government and politics; administrative research, especially in the area of personnel; historical research. Publ: The American city, 53 & Urban affairs, 62, Oxford Book Co; History of the New York City Legislature, Columbia, 54. Address: Board of Education of the City of New York, Room 722, 110 Livingston St, Brooklyn, N.Y. 11201.
- SHAW, DR. G(ARDINER) HOWLAND, Int. Law, see 10th ed, Soc. & Behav. Vols.
- SHAW, PROF. H(AROLD) RUSSELL, Agr. Econ, see 10th ed, Soc. & Behav. Vols.
- SHAW, PROF. H(ARRY) F(ARRAN) R(ANCE), b. Clinton, Ont, Aug. 14, 98. ECONOMICS. B.A. Toronto, 21, M.A. 22; London, 23-24. From instr. to prof. ECON, DARTMOUTH COL, 24-67, EMER. PROF, 67- Econ. Asn. Economic history. Address: Dept. of Economics, Dartmouth College, Hanover, N.H. 03755.
- SHAW, PROF. JOE COLLINS, b. Crossett, Ark, Nov. 23, 03; m. 46; c. 5. SOCIOLOGY, PSYCHOLOGY. A.B. Hendrix Col, 26; M.A. Houston, 47. ASST. PROF. SOCIOL, STATE COL. ARK, 47- U.S.A. 42-45, Capt. Population trends in a state of losing population; local social history; archaeology of Central Arkansas. Publ: Population problem of India, Proc. Ark. Acad. Sci; Sociological aspects of Faulkner's writing, Miss. Quart. Address: Dept. of Sociology, State College of Arkansas, Conway, Ark. 72032.
- SHAW, PROF. MARVIN E(VERT), b. Bellefonte, Ark, Aug. 15, 19; m. 47; c. 1. PSYCHOLOGY. A.B. Ark. Col, 47; M.A. Arkansas, 49; fel, Wisconsin, 50-51, Ph.D.(psychol), 53. Asst. to assoc. dean, Wisconsin, 51-52, proj. asst, 52-53; res. assoc. PSYCHOL, Hopkins, 53-55, asst. prof, 55-56; assoc. prof, Mass. Inst. Tech, 56-59; FLORIDA, 59-62, PROF, 62- U.S.A.A.F. 43-45, 1st Lt. AAAS; Psychol. Asn; fel. Int. Inst. Arts & Letters; Soc. Exp. Social Psychol. Group processes; social perception; leadership. Publ: Co-auth, Scales for the measurement of attitudes, McGraw, 67; auth, Comparison of two types of leadership in various communication nets, J. Abnorm. & Soc. Psychol. & Communication networks, In: Advances in experimental social psychology, Academic, 64. Address: Dept. of Psychology, University of Florida, Gainesville, Fla. 32601.
- SHAW, PROF. MERVILLE C(HARLES) II, b. Wilmington, Del, Mar. 19, 25; m. 46; c. 4. PSYCHOLOGY. B.S. Franklin & Marshall Col, 47; M.S. Syracuse, Ph.D.(clin. psychol), 55. Instr. psychol, Ore. State Col, 51-52; asst. prof. & test officer, Chico State Col, 52-57, assoc. prof, 57-62, prof, 62-63; assoc. prof. ed. psychol, California, Los Angeles, 63-66; PROF. PSYCHOL, CHICO STATE COL, 66- Consult, U.S. Off. Ed, 60. Dir. West. Regional Center, Interprnl. Res. Cmn. on Pupil Personnel Serv, 63- U.S.N.R. 43-45. Psychol. Asn; Personnel & Guid. Asn. Dynamics of academic motivation; theory of motivation; nature of intelligence; theoretical considerations relevant to the development of school guidance programs. Publ: The role of theory in the development of guidance programs, Houghton, 68; co-auth, A focus for public school guidance programs: a model and proposal, Personnel & Guid, J. 66; auth, Role delineation among the guidance professions, Psychol. in Schs, 67. Address: Dept. of Psychology, Chico State College, Chico, Calif. 95926.
- SHAW, O(LIVER) A(BBOTT), Stat, Math, see 11th ed, Phys. & Biol. Vols.
- SHAW, DR. ROBERT B(YERS), b. Cambridge, Mass, Oct. 11, 16; m. 40; c. 1. ACCOUNTING, FINANCE. B.A. Denison, 38; M.B.A. Harvard, 39; Ph.D. (govt), N.Y. Univ. 65. For. serv. officer, U.S. Dept. State, 46-52; partner, A.Vere Shaw & Co, 52-65; ASSOC. PROF. ACCT. & SOC. SCI, CLARKSON TECH, 65- Lectr, Univ. Rangoon, 50-52. U.S.A. 43-46, T/Sgt. Railway & Locomotive Hist. Soc. Local and European history; history of transportation. Publ: Down brakes: a history of railway accidents and safety precautions, P.R. Macmillan, 61. Address: Dept. of Accounting, Clarkson College of Technology, Potsdam, N.Y. 13676.
- SHAW, PROF. ROY T(HOMAS) JR, b. Garland, Utah, July 14, 16; m. 44; c. 4. MARKETING. B.S. Utah State, 46; M.B.A. Stanford, 47; Ph.D.(mkt), Ohio State, 55. Asst. to field dept. mgr, Golden State Co, Ltd, 47-48; asst. prof. commerce, Fla. State, 48-50; instr, Ohio State, 50-52, 53-54; assoc. prof. mkt, Texas Tech. Col, 52-53, 54-55, prof. & head dept, 55-56; prof. & adv. col. bus. admin, Univ. Philippines, 56-57; PROF. MKT. & HEAD DEPT, UTAH, 57- Vis. prof, Grad Sch. Bus. Admin, Lima, Peru, 64-66. U.S.A. 42-45. Mkt. Asn. Sales analysis and control; marketing research. Publ: Co-auth, Marketing. Address: Dept. of Marketing, University of Utah, Salt Lake City, Utah 84112.
- SHAW, PROF. VAN B(URTON), b. Alton, Kans, Aug. 21, 17; m. 42; c. 1. SOCIOLOGY. A.B. Ft. Hays Kans. State Col, 38; M.A. Minnesota, 48; Ph.D. (sociol), Missouri, 51. Instr. SOCIOL, Stephens Col, 46-51; teaching assoc, Carnegie grant, Northwestern, 51-52; assoc. prof. COLO. COL, 52-55, PROF, 55-, HEAD DEPT, 54- U.S.A. 42-46. Sociol. Asn. Race relations; minority groups; criminology. Publ: Contemporary social issues; Relationship between crime rates and population characteristics, J. Criminal Law & Criminol. Address: 2207 Condor, Colorado Springs, Colo. 80909.
- SHAW, W(ILFRED) LAWRENCE, b. Barnesboro, Pa, May 26, 06; m. 34; c. 3. ECONOMICS. B.A. Pomona Col, 28; California, 29; M.A. Claremont Col, 34. Investr, State Emergency Relief Admin, Calif, 34-35; staff mem, U.S. Dept. Agr. Library, 35-40; librn, west. utilization res. br, AGR. RES. SERV, U.S. DEPT. AGR, ALBANY, 40-43, commodity-indef. analyst, 43-61, INDUST. ANALYST, PROD. & PROCESS EVAL. STAFF, OFF. ADMINSTR, 61- Econ. Asn; Agr. Econ. Asn; Library Asn. Supply, location and cost of agricultural products for processing; distribution outlets for new or improved products from agricultural sources; competitive marketing of new items. Publ: Co-

- auth, Preliminary planning for vegetable dehydration, Vegetables, our second largest food group, U.S. Dept. Agr. Yearbook & Research and the rice industry of California, Rice J. Address: 295 Keats Circle, Pleasant Hill, Calif. 94523.
- SHAW, DR. WILLIAM A, b. Wood Station, Ohio, Mar. 5, 07; m. 36; c. 4. PSYCHOLOGY. A.B. Indiana, 35, A.M. 37; Ph.D.(psychol), Columbia, 40. Instr. psychol, Pennsylvania, 39-42; res. fel, off. sci. res. & develop. contract, Harvard, 43-45; asst. prof. PSYCHOL, PENNSYLVANIA, 45-49, ASSOC. PROF, 49- U.S.A.A.F, 42-43, Lt. Psychol. Asn. Muscle and nerve action potentials; vision; learning. Address: Dept. of Psychology, University of Pennsylvania, Philadelphia, Pa. 19104.
- SHAW, DR. WILLIAM H(OWARD), b. Brooklyn, N.Y., June 23, 09; m. 42; c. 4. ECONOMICS. A.B. Columbia Col. 30; A.M. Columbia, 31, Ph.D.(econ), 48. Res. staff, Nat. Bur. Econ. Res. 30-40; head, final prod. anal, Nat. Income Div, U.S. Dept. Commerce, 40-45, chief, Construct. Statist. Sect, 45-47, Off. Prog. Planning, 47-53, dir. & asst. to Secy. Commerce, 51-53; mem. staff planning div, textile fibers dept, E.I. du Pont de Nemours & Co, 53-54, mgr, bus. econ. sect, 54-66; asst. secy. econ. affairs, U.S. Dept. Commerce, 66-68; ASST. TO TREAS, E.I. DU PONT DE NEMOURS & CO, 68- Consult, Fed. Reserve Bd, 54-55, 59; U.S. Bur. Budget; U.S. Bur. Census; U.S. Bur. Labor Statist. Gold medal, U.S. Dept. Commerce, 52. Econ. Asn; fel. Statist. Asn; fel. Asn. Bus. Econ. National accounts; business cycles. Publ: Value of commodity output since 1869, Nat. Bur. Econ. Res. Bull. Address: 2317 MacDonough Rd, Wilmington, Del. 19805.
- SHAW, PROF. WILLIAM W, b. Philadelphia, Pa, Oct. 19, 10. POLITICAL SCIENCE. A.B. Dickinson Col, 32; A.M. Princeton, 34, Ph.D., 35. Instr. American Univ, 34-35; exam, State Civil Serv. Dept, N.J., 35-38; dir. personnel, Civil Serv. Dept, San Diego County, Calif, 38-41; assoc. dir. munic. serv. bur, State Civil Serv. Dept, N.Y., 41-42; CITY DIR. PERSONNEL, NEW ORLEANS, 42-; from assoc. prof. to PROF. POLIT. SCI, TULANE, 48- Polit. Sci. Asn; Pub. Personnel Asn.(pres, 57-58). State and local government. Publ: Independent commissions and executive power & When civil servants are charged with the commission of a crime, Pub. Personnel Rev. Address: Dept. of Political Science, Tulane University, New Orleans, La. 70118.
- SHAWKEY, PROF. ADA MARIEL, b. Monterrey, Pa, May 18, 07. GEOGRAPHY. B.S. Pittsburgh, 35, M.Litt, 40; Clark, 47-48, summer, 53. Teacher, pub. schs, Pa, 26-47; asst. GEOG, Clark, 47-48; ASSOC. PROF, MASS. STATE COL, FRAMINGHAM, 48- Summers, mem. faculty, Gorham State Teachers Col, Maine, 50, Farmington State Teachers Col, 51, Pittsburgh, 52, assoc. prof, Farmington State Col, 65. Nat. Coun. Geog. Ed; Asn. Am. Geog; Am. Geog. Soc. Physical and economic geography; geography of Western and Eastern Europe. Publ: Geography for citizenship, J. Geog; Teachers manual, for: Fraimasa. Address: Dept. of Geography, Massachusetts State College at Framingham, Framingham, Mass. 01701.
- SHAWVER, PROF. DONALD L(EROY), b. Charleston, Ill, Oct. 29, 23; m. 45; c. 3. ECONOMICS, MARKETING. B.S. Eastern Illinois, 47; M.S. Illinois, 48, Ph.D.(econ), 51. Asst. Illinois, 47-51; asst. prof. MKT, MISSOURI, COLUMBIA, 51-54, assoc. prof, 54-58, PROF, 58- Ford Found. fel, Harvard Bus. Sch, 59-60. U.S.A.A.F, 42-45, Capt. Mkt. Asn; Econ. Asn. Retail prices and retail price determination; market research. Publ: Theories of retail price determination; co-auth, Mathematical models and methods in marketing. Address: Dept. of Marketing, University of Missouri, Columbia, Mo. 65202.
- SHAY, DR. RALPH S(TANTON), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SHAY, PROF. ROBERT P(AUL), b. Belmont, Mass, Mar. 27, 22; m. 45; c. 3. ECONOMICS. B.S. Virginia, 44, M.A. 46, Ph.D.(econ), 51. Instr. econ, Virginia, 47-50; Maine, 50-51, asst. prof, 51-53, assoc. prof, 53-56, dir. & head dept, 57-59; MEM. RES. STAFF, NAT. BUR. ECON. RES, 59-; PROF. BANKING & FINANCE, COLUMBIA, 66- Econ. Asn; Finance Asn. Consumer finance; central banking; monetary theory. Publ: Regulation W-Experiment in credit control; New-auto finance rates, 1924-62, Paper 86, Nat. Bur. Econ. Res, 65; co-auth, The consumer finance industry: its costs and regulation, Columbia, 67. Address: Dept. of Banking & Finance, Graduate School of Business, Columbia University, 604 Uris Hall, New York, N.Y. 10027.
- SHEA, DEAN DONALD R(ICHARD), b. Minneapolis, Minn, July 15, 26; m. 49; c. 4. POLITICAL SCIENCE. B.A. Minnesota, 47, M.A. 49, Ph.D.(polit. sci), 53. Assoc. prof. polit. sci, WISCONSIN, MILWAUKEE, 49-63, dir. inst. world affairs ed, 59-63, PROF. POLIT. SCI. & DEAN INT. STUDIES & PROGS, 63- Doherty fel, Latin Am, 55-56. Consult, Ford Found. Int. Progs, 63- U.S.N, 44-46. Polit. Sci. Asn; Acad. Polit. & Soc. Sci; Am. Soc. Int. Law. International law and relations; Latin American theories of international law. Publ: The Calvo Clause; The preparation of Peace Corps volunteers for overseas service, Ann. Am. Acad. Polit. & Soc. Sci, 29-45, 5/66. Address: Dept. of Political Science, University of Wisconsin, Milwaukee, Wis. 53201.
- SHEA, J(OHN) L(EO), S.J, b. New York, N.Y., Apr. 9, 03. ECONOMICS. A.B. Boston Col, 27, A.M. 28; S.T.D. Woodstock Col.(Md), 34; B.Sc. London Sch. Econ, 39; Ph.D.(econ. law), Georgetown, 53. Instr. ECON, Canisius Col, 40-43, prof, 46-58, chmn. dept, 48-58; ASSOC. PROF, SCH. BUS, FORDHAM, 58- U.S.A, 43-46. Econ. Asn; Acad. Polit. Sci. Economic theory; history of economic thought; labor economics. Publ: Co-auth, Profile of the Bronx economy, Inst. Urban Studies, Fordham Univ, 7/67. Address: Dept. of Economics, Fordham University, Rose Hill Campus, Bronx, N.Y. 10458.
- SHEA, PROF. J(OHN) WHITNEY, b. Winchester, Ont, July 4, 04; nat; m. 25; c. 1. ECONOMICS, SOCIOLOGY. A.B. Houghton Col, 33, M.A. Columbia, 36, Ed.D.(rural sociol), 52. PROF. SOCIOL, HOUGHTON COL, 34- Vis. prof, Alfred, 56-57; res. sch. econ. & polit. sci, Univ. London, 66. U.S.A.F, 42-46, Res, 46-63, Maj. Sociol. Asn. Community. Address: 20 Campus Heights, Houghton College, Houghton, N.Y. 14744.
- SHEA, SISTER MARGARET LOUISE, b. Brooklyn, N.Y., May 17, 10. PSYCHOLOGY. A.B. St. Joseph's Col. for Women, 38; M.A. Columbia, 40; Ph.D. (psychol), Catholic Univ, 50; summer, Michigan, 52. Instr. CHILD STUDY, ST. JOSEPH'S COL. WOMEN, 38-42, asst. prof, 42-45, PROF, 46- Summer instr, Catholic Univ, 49-65. Consult, Head Start Orientation Prog, Cath. Univ. P.R. 65-; Sci. Res. Assocs, 67. Mem, Metrop. New York Teacher Ed. Prtnl. Standards, 64- Psychol. Asn; Acad. Relig. & Ment. Health. Child psychology and parent-child relationships; psychological assessment of candidates for religious life. Publ: Effect of growth and development on personality; Developmental approach to guidance in a small day college; Consistency and change in maternal behavior toward siblings. Address: Dept. of Child Study, St. Joseph's College for Women, 245 Clinton Ave, Brooklyn, N.Y. 11205.
- SHEA, PROF. PAUL A(LBERT), b. Beverly, Mass, July 27, 22. SOCIOLOGY. CULTURAL ANTHROPOLOGY. A.B. Tufts, 47; M.A. Catholic Univ, 50; Nat. Sci. Found. fel, Colorado, 66-67. Instr. sociol, Canisius Col, 50-53; PROF. SOCIOL. & ANTHROP, MERRIMACK COL, 53- U.S.N.R, 43-45. Sociol. Asn; Anthropol. Asn. Social change and development; social psychology. Address: Dept. of Sociology, Merrimack College, North Andover, Mass. 01845.
- SHEAHAN, PROF. JOHN BERNARD, b. Toledo, Ohio, Sept. 11, 23; m. 46; c. 2. ECONOMICS. B.A. Stanford, 48; Ph.D.(econ), Harvard, 54. Econ. adv. Off. Spec. Rep. Europe, Econ. Coop. Admin, Paris, 51-54; instr. econ, Williams Col, 54-57; nat. res. prof, Brookings Inst, 59-60; adv, Harvard Univ. Develop. Adv. Serv, Colombia Adv. Group, Bogota, 63-65; PROF. ECON, WILLIAMS COL, 66- U.S.A, 43-46. Econ. Asn; Asn. Comp. Econ. International trade and economic development; government regulation of economic activity. Publ: Promotion and control of industry in postwar France, Harvard, 63; The wage-price guideposts, Brookings, 67. Address: Dept. of Economics, Williams College, Williamstown, Mass. 01267.
- SHEAN, DR. GLENN D, b. New Orleans, La, Apr. 15, 39; m. 61; c. 1. PSYCHOLOGY. B.A. La. State, New Orleans, 62; M.A. Arizona, 64, Ph.D.(psychol), 66. Trainee PSYCHOL, Vet. Admin. Hosp, Palo Alto, Calif, 65-66; ASST. PROF, COL. WILLIAM & MARY, 66- Consult, East. State Hosp, 68- Perception in schizophrenia; the effect of verbal-perceptual factors in automatic response modification. Publ: Awareness and vasomotor conditioning. 68 & co-auth, Instrumental conditioning of the GSR, 68, Psychophysiology; auth, GSR conditioning and ability to verbalize stimulus contingencies, J. Psychosom. Res, 68. Address: Dept. of Psychology, College of William & Mary, Williamsburg, Va. 23185.
- SHEANIN, PROF. MAX, b. Omaha, Nebr, Apr. 25, 15; m. 39; c. 2. PSYCHOLOGY. B.A. California, Los Angeles, 36; M.A. Southern California, 47, Ph.D., 53. PROF. PSYCHOL. & CHMN. DEPT, LOS ANGELES CITY COL, 47- AAAS. Psychol. Asn. Clinical psychology; perception and motivation; personality. Address: 11465 Dona Dorotea, Studio City, Calif. 91604.
- SHEAR, DR. HOWARD J(AMES), b. Baltimore, Md, Apr. 17, 25; m. 52; c. 3. CLINICAL PSYCHOLOGY. B.A. Maryland, 50, M.A. Texas, 53, Ph.D. 55. Intern counseling, testing & guid. bur, Texas, 53-54, counseling psychologist, 54-55; intern clin. psychol, Vet. Admin. Hosp, Coatesville, Pa, 55-56, clin. psychologist, Vet. Admin. Hosp, Wilmington, Del, 56-66; CHIEF PSYCHOL. SERV, VET. ADMIN. OUTPATIENT CLIN, BALTIMORE, 66- Instr, exten. div, Delaware, 61- U.S.A.A.F, 43-46. Psychol. Asn; Acad. Psychother. Psychotherapy; interpersonal dynamics; group dynamics. Publ: Defects in accepting another person's reactions, Personnel & Guid. J, 65; A new dimension of personality—the capacity to evaluate humanness, Insight, 66; Choice and determinacy in psychological illness, J. Neuropsychiat, 66. Address: 7311 Prince George Rd, Baltimore, Md. 21207.
- SHEAR, PROF. JAMES A(LGAN), Geog, see 11th ed, Phys. & Biol. Vols.
- SHEAR, DR. S(HERWOOD) W(ILLIAM), b. Alcove, N.Y., July 2, 92; m. 23; c. 2. AGRICULTURAL ECONOMICS. B.S. Wisconsin, 18, M.S. 20, scholar, 20-21, fel, 21-22, Ph.D.(agr. econ), 24. Assoc. rural insts, col. agr, CALIFORNIA, 22-23, Berkeley, 23-24, col. agr, 24-25, BERKELEY, 25-26, jr. agr. economist, 26-28, asst. agr. economist, 28-31, assoc. agr. economist, 32-59, EMER. ASSOC. AGR. ECONOMIST, 59- Consult, Fed. Farm Bd, 30: Off. Price Admin, 42; U.S. Dept. Agr, 43-45. U.S.N, 18-19. Agr. Econ. Asn; Agr. Hist. Soc. Economics of fruit industries; statistical, historical and geographical trends and outlook, especially California deciduous and dried fruit; grape and wine industry. Publ: Historical and economic aspects of the juice industry, In: Fruit and vegetable juice processing technology, Avi Pub, 61; Economic trends in California wine industry, In: Table wine production, Univ. California, 68. Address: 600 Woodmont Ave, Berkeley, Calif. 94708.
- SHEAR, DR. WILLIAM M(ERRILL), b. Muncie, Ind, Mar. 11, 29. POLITICAL SCIENCE, PSYCHOLOGY. B.A. Ball State Teachers Col, 50; M.A. Duke, 51; fel, Syracuse, 58-59, D.S.S., 59. Asst. polit. sci, Maxwell Sch, Syracuse, 57-59, supvr. student teachers, 59-60; prog. assoc, Off. of Gov, N.Y., 60-61; asst. prof. polit. sci. & develop. officer, Alaska Methodist, 61-65; ASSOC. PROF. POLIT. SCI. & PSYCHOL, ARMSTRONG COL (CALIF), 65- Ed. counseling practice, 58-60; teacher, pub. sch. N.Y., 59-60; Citizenship Clearing House faculty fel, 60-61. Pres, Greater Anchorage Area Borough Assembly, 63; chmn, Rockefeller for President Cmt, 64; alternate del, Republican Nat. Convention, 64. U.S.N, 51-55, Res, 55-, Lt. Polit. Sci. Asn; Acad. Polit. & Soc. Sci; Personnel & Guid. Asn. Administration of water resources. Address: 1255 Post St, Suite 609, San Francisco, Calif. 94109.
- SHEARER, DANIEL D(AVIDSON), JR, b. Oakland, Calif, July 19, 23; m. 50; c. 2. INDUSTRIAL ECONOMICS. E.E. California, 49, M.B.A., 50. Salesman, med. & indust. equip, Gen. Elec. Co, 50-52, mkt. analyst, 52-53, mkt. adminstr, 53, prod. planner 53-56, prod. mgr, 56-59; indust. economist, STANFORD RES. INST, 59-61, prog. mgr, 61-63, sr. indust. economist, 63-65, mgr. develop, long range planning serv, 65-68, DIR. MECH. & ELEC. INDUSTS, ECON, 68- U.S.A, 42-46; U.S.N, 49-60, Lt. Inst. Elec. & Electrons Eng; Asn. Iron & Steel Eng. Corporate planning and acquisitions; economic potentials of mechanical and electrical developments and their impact on corporate growth; strategic planning in corporate business struc-

tures. Address: Stanford Research Institute, 333 Ravenswood Ave, Menlo Park, Calif. 94025.

SHEARER, PROF. HENRY K(ENNEDY), b. Philadelphia, Pa, Apr. 28, 16; m. 39; c. 3. **ECONOMICS**. A.B. Pennsylvania, 47, A.M. 49, Ph.D.(econ), 55. Instr. Wharton Sch. Finance & Commerce & res. geogr. inst. coop. res. Pennsylvania, 47-56; assoc. prof. Montana State, 56-59; assoc. dir. bur. bus. & econ. res. 56-57, dir. 57-59; economist, U.S. Govt. 59-61; prof. econ. & head dept. Ursinus Col. 61-68; **PROF. ECON. & CHMN. DEPT. BUS. & ECON. ALBRIGHT COL.**, 68- Lectr. American Univ. 60-61. Econ. Asn; Asn. Am. Geog; Regional Sci. Asn. Geography of transportation. Publ: Economic effects of the original section of the Pennsylvania Turnpike on adjacent areas; Survey of the theory and regulatory aspects of freight rate discrimination, with special reference to Montana; ed, Montana almanac. Address: Dept. of Business & Economics, Albright College, Reading, Pa. 19604.

SHEARER, PROF. JOHN C(LYDE), b. Philadelphia, Pa, June 24, 28; m. 55. **LABOR & INTERNATIONAL ECONOMICS**. B.S. Cornell, 52; Fulbright fel, Manchester, 52-53; Young fel, Princeton, 56-57, Gen. Elec. Co. fel, 57-58, A.M. 58, Ford. Found. Dissertation fel, 58-59, Ph.D.(econ), 60. Admin. asst. indust. rels. Union Carbide Metals Co, 52-56; res. asst. Princeton, 57-60; asst. prof. econ. grad. sch. indust. admin. Carnegie Inst. Tech. 60-65; assoc. prof. Pa. State, 65-67; **PROF. ECON. & DIR. MANPOWER RES. & TRAINING CENTER, OKLA. STATE**, 67- Labor arbitrator, 60- Summer tech. adv. to Govt. Colombia, Orgn. Am. States, 61; staff mem. inst. econ. develop. planning, UN Econ. Cmn. Latin Am, Santiago, Chile, 62-63; lectr. Coun. Int. Progress Mgt, Lima, Peru, 65. Consult, Ford Found, Venezuela, 62; Inter-Am. Develop. Bank, 64; Int. Manpower Inst. 66-67; Ed. & World Affairs, 66. U.S.M.C. 46-48. Econ. Asn; Indust. Rels. Res. Asn; Soc. Int. Develop. Roles of human resources and education in the development of underdeveloped countries and underdeveloped areas within the United States Publ: High-level manpower in overseas subsidiaries: experience in Brazil and Mexico, Indust. Rels. Sect, Princeton, 60; co-auth. The development and utilization of human resources: a guide for research, Inst. Res. Human Resources, Pa. State Univ, 67; auth. Industrial relations of American corporations abroad, In: International labor, Harper, 67. Address: Dept. of Economics, Oklahoma State University, Stillwater, Okla. 74074.

SHEARER, DR. RONALD A(LEXANDER), b. Trill, B.C. June 15, 32; m. 56; c. 2. **ECONOMICS**. B.A. British Columbia, 54; M.A. Ohio State, 55, Earhart Found. fel, 55-56, Ph.D.(econ), 59. Asst. econ. Ohio State, 54-55, instr. 56-58; lectr. Michigan, 58-59, asst. prof. 59-62; economist, res. staff, Royal Cmn. Banking & Finance, Can, 62-63; asst. prof. **ECON. BRITISH COLUMBIA**, 63-64, **ASSOC. PROF.**, 64-, vis. instr. 61. Am. Econ. Asn; Can. Econ. Asn. Monetary theory and policy; international constraints on monetary policy. Publ: Monetary policy and the current account of the balance of international payments, Royal Cmn. Banking & Finance, Can, 62; The expansion of bank credit: an alternative approach, Quart. J. Econ, 8/63; The foreign currency business of Canadian chartered banks, Can. J. Econ. & Polit. Sci, 8/65. Address: Dept. of Economics, University of British Columbia, Vancouver 8, B.C., Can.

SHEARER, ROSS S(TERLING), b. Houston, Tex, Mar. 25, 11; m. 38; c. 2. **POLITICAL SCIENCE, LAW**. LL.B. S.Tex. Sch. Law, 37. Dir. employee develop. State Employ. Serv. Tex, 37-40; personnel, State Employ. Cmn, 40-41; admin. analyst, Bur. Employ. Security, 41-42; budget exam, labor & manpower progs, U.S. Bur. Budget, 42-46; exec. asst. to secy, President's Nat. Labor-Mgt. Conf, 45-46; asst. chief labor & welfare div, U.S. Bur. Budget, 46-51; dir. prog. planning staff, Econ. Stabilization Admin, 51-52, asst. adminstr. pers. 52-53, acting adminstr, 53; asst. dir. orgn. & personnel, Atomic Energy Cmn, 53-56, chief orgn. & mgt. br, 56-60, asst. to dir. off. personnel, 60-61; planning analyst, U.S. Dept. Commerce, 61-63; dir. financial & mgt. serv. MANPOWER ADMIN, U.S. DEPT. LABOR, 63-66, asst. adminstr. **SPEC. ACTIVITIES**, 66-67, **ASST. TO ADMINSTR.**, 67- Consult, Indiana; Univ. Thammasat, 59. Trustee, Richmond, 62-66. Mem. 20th for. serv. selection bd, U.S. Dept. State, 66. Polit. Sci. Asn; Soc. Pub. Admin; Indust. Rels. Res. Asn. Government intervention in labor disputes; national emergency disputes; manpower program planning and evaluation. Address: 3125 N. Abingdon St, Arlington, Va. 22207.

SHEARER, DEAN WARREN W(RIGHT), b. Washington, D.C. Sept. 11, 15; m. 40; c. 4. **ECONOMICS**. A.B. Wabash Col, 38, hon. LL.D. 67; A.M. Wisconsin, 41; Ph.D. Harvard, 52. Instr. speech, WABASH COL, 36-38, asst. prof. **ECON**, 38-50, assoc. prof. 50-56, **PROF.**, 56-, **DEAN COL.**, 66-, chmn. dept. econ. & dir. soc. sci. 58-65, acting pres. 65-66. Dep. dir. off. econ. affairs, U.S. Mission to NATO, 54-56. Consult, State Cmn. Tax & Financing Policy, Ind, 60- Mem. Gov. Cmn. Estimation State Revenues, 60-66. U.S.N.R. 45-46, Ens. Econ. Asn. Industrial organization; international economic organizations. Address: Dept. of Economics, Wabash College, Crawfordsville, Ind. 47933.

SHEARS, DR. LOYDA ADA MOSIER, b. Santa Clara, N.Y. Feb. 21, 13; m. 37. **SOCIAL PSYCHOLOGY**. B.S. Syracuse, 33; M.A. San Diego State Col, 57; Ph.D.(soc. psychol), Hawaii, 61. **RES. PSYCHOLOGIST**, U.S. Navy Med. Neuropsychiat. Res. Unit, 62-63; U.S. Navy Personnel Res. Activity, 63-65; **SOC. PSYCHOL. SOCIO-BEHAV. LAB. PAC. STATE HOSP.**, 65- Vis. prof. Claremont Grad. Sch, 66-67. Consult, State Dept. Pub. Instr. Hawaii, 59-60; Human Inventory, Calif, 66; Juvenile Hall, 67. Soc. Exp. Social Psychol; Psychol. Asn; Sociol. Asn; Asn. Ment. Deficiency. Game theory. Publ: Co-auth. Stable attitude factors in natural isolated groups, J. Soc. Psychol, 70: 199-204; auth. Attitude change measurement in isolated work groups, Ed. & Psychol. Measurement, 27: 75-82; Patterns of coalition formation in two games played by male tetrads, Behav. Sci, 12: 130-137. Address: Socio-Behavioral Lab, Pacific State Hospital, Box 100, Pomona, Calif. 91766.

SHEEHAN, DR. JAMES GORDON, Mkt, see 10th ed, Soc. & Behav. Vols.

SHEEHAN, PROF. JOHN H(AROLD), b. U.S. Sept. 24, 02; m. 32. **ECONOMICS**. A.B. Notre Dame, 37, M.A. 38; Wisconsin, 39-40. Asst. prof. **ECON.**, **NOTRE DAME**, 40-42, **ASSOC. PROF.**, 42-, head dept, 42-53, asst. dir. univ.

studies, 43-45, mem. acad. coun. & soc. sci. cmt, 55-66. Consult, Mutual Security Admin, 52-53. Econ. Asn. Consumption and international economics; industrial relations. Publ: Co-auth. La civilisation Americaine & Economic aspects of social life. Address: Dept. of Economics, University of Notre Dame, Notre Dame, Ind. 46556.

SHEEHAN, PROF. JOSEPH (GREEN), b. Battle Creek, Mich, May 27, 18; m. 45; c. 3. **PSYCHOLOGY**. B.S. West. Mich. Col, 41; M.A. Michigan, 46, U.S. Pub. Health Serv. fel, 47-48, Ph.D.(psychol), 50. From asst. prof. to **PROF. PSYCHOL. & CLIN. PSYCHOLOGIST, CALIFORNIA, LOS ANGELES**, 49- Consult, Vet. Admin, Los Angeles, Calif, 50- Dipl. Am. Bd. Exam. Prinl. Psychol, 55. Psychol. Asn; fel. Speech & Hearing Asn. Speech disorders; psychotherapy; psychological measurement. Publ: Conflict theory of stuttering, In: Stuttering, a symposium; Theory and treatment of stuttering as an approach-avoidance conflict, In: Psychopathology; Stuttering as a self-role conflict, In: Learning theory & Stuttering therapy. Address: Dept. of Psychology, University of California, Los Angeles, Calif. 90024.

SHEEHAN, PROF. MARY R(OSE), b. New York, N.Y. July 29, 04. **PSYCHOLOGY**. B.A. Hunter Col, 25; M.A. Columbia, 27, Ph.D.(psychol), 38. Instr. ed, HUNTER COL, 26-40, psychol, 40-41, from asst. prof. psychol. & philos. to prof. **PSYCHOL.**, 41-67, **EMER. PROF.**, 67- Psychol. Asn. Publ: Co-auth. First course in psychology & Contemporary schools of psychology; auth. Study of individual consistency in phenomenal constancy, Arch. Psychol. Address: 160 E. 89th St, New York, N.Y. 10028.

SHEEHE, DR. PAUL R(OBERT), Biostatist, see 11th ed, Phys. & Biol. Vols.

SHEEHY, SISTER LORETTA MARIA, b. Waterbury, Conn, Dec. 3, 01. **SOCIOLOGY**. A.B. Col. St. Elizabeth, 24; A.M. Columbia, 34; Ph.D.(psychol), Catholic Univ, 38. Teacher, high sch, N.Y. 24-34; **PROF. SOCIO. COL. ST. ELIZABETH**, 38. Sociol. Asn; Psychol. Asn; Acad. Relig. & Ment. Health. Study of preadolescents by means of personality inventory. Address: Dept. of Sociology, College of St. Elizabeth, Convent Station, N.J. 07961.

SHEER, PROF. DANIEL E(LVIN), b. Baltimore, Md, July 26, 22; m. 50; c. 2. **PSYCHOLOGY**. B.S. Hopkins, 43; M.A. Michigan, 48, Ph.D. 51; U.S. Pub. Health Serv. fel, Columbia, 49-50. Assoc. prof. **PSYCHOL. HOUSTON**, 51-55, **PROF.**, 55-, **DIR. PSYCHOL. LAB.**, 53- Consult, Vet. Admin. Hosp, Houston, 51-53. Dipl. Am. Bd. Exam. Prinl. Psychol, 55. U.S.N. 43-46, Lt.(jg). **AAAS; Psychol. Asn.** Brain function; experimental, clinical and physiological psychology. Publ: Ed. Six approaches to psychotherapy & Symposium on brain stimulation; contrib. Psychometric studies, Psychosurg. Probs. Address: Dept. of Psychology, University of Houston, Houston, Tex. 77004.

SHEERAN, DR. F(RANCIS) BURKE, b. U.S. Mar. 10, 15; m. 42; c. 1. **POLITICAL SCIENCE**. A.B. Montana State, 40; M.A. Southern California, 47, Ph.D. (polit. sci), 56. Orgn. & methods exam, U.S. Govt, 51-59, chief mgt. eng. div, Benicia Arsenal, 59-61; assoc. prof. sch. pub. admin, Univ. Southern California, assigned to Pakistan, 61-66; **ASSOC. RES. PROF. PUB. ADMIN**, Pittsburgh, 66-68; **DUQUESNE**, 68- Soc. Pub. Admin; Inst. Indust. Eng; Polit. Sci. Asn. Public administration; federalism; comparative government. Address: School of Business Administration, Duquesne University, 600 Forbes Ave, Pittsburgh, Pa. 15219.

SHEERER, PROF. ELIZABETH T(AYLOR), b. Jeannette, Pa, Jan. 15, 17. **PSYCHOLOGY**. B.S. Seton Hill Col, 38; Smith fel, Cornell, 43-44, M.S. 44; fel, Chicago, 45-46, Ph.D.(human develop), 49. From asst. prof. to assoc. prof. home econ, Iowa State Col, 47-52; assoc. prof. **FAMILY LIFE, GEORGIA**, 52-57, **PROF.**, 57-, **HEAD DEPT. FAMILY DEVELOP.**, 54- Nat. Sci. Found-Am. Psychol. Asn. vis. scientist, 67-68. Psychol. Asn; Soc. Res. Child Develop. Client-centered therapy; family relations; personality. Publ: Relationship between acceptance of self and acceptance of others, J. Consult. Psychol; Family life counseling with high school students, Marriage & Family Living; The changing family, Young Children, 4/65. Address: School of Home Economics, Dawson Hall, University of Georgia, Athens, Ga. 30601.

SHEFFIELD, PROF. FREDERICK DUANE, b. Port Angeles, Wash, June 6, 14; m. 39; c. 4. **PSYCHOLOGY**. B.S. Washington (Seattle), 37, fel, 38-40, M.S. 40; fel. Soc. Sci. Res. Coun, Yale, 45-46, Ph.D.(psychol), 46. Asst. learning theory, inst. human rels, Yale, 40-42, instr. psychol, 42; asst. statistician, U.S. War Dept, D.C. 42-43, assoc. statistician, 43-44, res. technician, info. & ed. div, 44-45; instr. **PSYCHOL.**, YALE 46-47, asst. prof, 47-51, from assoc. prof. to **PROF.**, 51- Sillman fel, Yale, 59-, fel. Center Adv. Study Behav. Sci, 60-61. Consult, U.S. Air Force, 50-57; U.S. Off. Ed, 62; Am. Inst. Res. Mem. health serv. res. study sect, Nat. Inst. Ment. Health. Civilian consult. to secy. war, info. & ed. div, res. br, exp. sect, U.S. War Dept, 42-45. **AAAS; Psychol. Asn; Psychonomic Soc.** Learning, motivation, perception and the reinforcement process. Publ: Co-auth. Experiments in mass communication, Princeton, 49; Student response in programmed instruction, Nat. Acad. Sci-Nat. Res. Coun, 61; auth. Relation between classical conditioning and instrumental learning, In: Classical conditioning, Appleton, 65. Address: Dept. of Psychology, Yale University, 333 Cedar St, New Haven, Conn. 06510.

SHEFTEL, HARRY B(ERNARD), b. Clinton, Mass, July 9, 06; m. 35; c. 2. **ECONOMICS, STATISTICS**. A.B. Clark, 27; M.A. American Univ, 44. Asst. chief construct. res. br, War Prod. Bd, 41-45; from asst. dir. to dir. econ. res. off. of adminstr. Fed. Works Agency, 45-50; bus. economist, Defense Prod. Admin, 50-52; **PROG. ANALYST**, Off. secy. defense, U.S. Dept. Defense, 52-55; **OFF. STATIST. STANDARDS, EXEC. OFF. OF PRES.**, U.S. BUR. BUDGET, 56- Econ. Asn. Defense procurement; civil defense; mobilization planning; regulatory agencies. Address: 5813 Third Place N.W., Washington, D.C. 20011.

SHEKH, DR. ANEES AHMAD, b. Jullundur, India, Dec. 15, 37. **PSYCHOLOGY**. B.A. Panjab, Pakistan, 57, M.A. 59; M.A. Western Ontario, 63. Ph.D. (psychol), 65. Lectr. psychol, Govt. Col. Sheikhupura, W. Pakistan, 60-61; psychologist, Ont. Hosp, London, Ont, 65-66; **ASST. PROF. PSYCHOL.**, **MARQUETTE**, 66- Psychol. Asn. Stereotypes and interpersonal perception:

- effects of frustrative nonreward and delayed reward on children's performance; eidetic psychotherapy. Publ: The content of stereotypes and the inference of similarity between the members of stereotyped groups, *Acta Psychologica*, 22: 191-201; Response speed as a function of different reinforcement conditions and a ready signal, *Child Develop*, 38: 857-867; Stereotype in interpersonal perception and intercorrelation of some attitude measures, *J. Soc. Psychol.*, 68. Address: Dept. of Psychology, Marquette University, Milwaukee, Wis. 53233.
- SHEIN, DR. SAMUEL T, b. Salem, Mass, Mar. 19, 32; m. 56; c. 2. PSYCHOLOGY. A.B. Boston, 54; A.M. N.Y. Univ, 56, Ph.D. 61. Asst. psychol. N.Y. Univ, 54-57, instr, 57-58; intern, Bergen Pines County Hosp, Paramus, N.J., 58-59, staff psychologist, 59-61, sr. staff psychologist, 61-63; chief psychologist & admin. dir, Guid. Center of North. Valley, Dumont, 63-66; CONSULT. PSYCHOL, ESM LEARNING LAB, WOOD-RIDGE PUB. SCHS, 66-Private practice. Psychol. Asn; Psychol. Asn. for Psychoanal; Group Psychother. Asn. Psychodiagnostics; individual, group and play therapy. Address: Wilton Medical Bldg. South, 751 Teaneck Rd, Teaneck, N.J. 07666.
- SHEINBAUM, STANLEY K, Econ, Pub. Admin, see 10th ed, Soc. & Behav. Vols.
- SHEKELLE, DR. RICHARD B(ARTEN), Epidemiol, Psychol, see 11th ed, Phys. & Biol. Vols.
- SHELDON, DR. CHARLES HARVEY, b. Jerome, Idaho, Aug. 2, 29; m. 55; c. 2. POLITICAL SCIENCE. B.A. Washington (Seattle), 52, M.A. 57; fel. Oregon, 57-58, 61-62, Ph.D.(polit. sci.), 65. Instr. POLIT. SCI, Boise Col, 58-61; Nevada Southern, 62-65, asst. prof. & chmn. dept, 65-66, dir. sch. soc. sci, 66-67; ASSOC. PROF. & AREA COORDINATOR, SOUTHAMPTON COL, LONG ISLAND, 67- Desert Res. Inst. res. grants, 66 & 67. U.S.A. 52-55. Polit. Sci. Asn. Comparative judicial processes in foreign and state systems, especially judicial roles and the impact of variables on judicial decision-making. Publ: A junior college mock political experience, *Jr. Col. J.*, 1/62; Public opinion and high courts: Communist party cases in four constitutional systems, *West. Polit. Quart.*, 6/67; Judicial recruitment: what ought to be and what is, *Judicature*, 5/68. Address: Dept. of Political Science, Southampton College, Long Island University, Southampton, N.Y. 11968.
- SHELDON, DR. CHARLES S(TUART), II, b. Shanghai, China, May 18, 17; U.S. citizen; m. 42; c. 3. ECONOMICS. A.B. Washington (Seattle), 36, fel. 37-38, A.M. 38; Harvard, 39, Ph.D. 42. Asst. prof. econ, Washington (Seattle), 40-55; sr. specialist transportation & commun. legis. reference serv, Library Cong, 55-58; asst. dir. select cmt. astronaut. & space explor, House Rep, D.C., 58, tech. dir. cmt. sci. & astronaut, 59-61; mem. sr. prfnl. staff, nat. astronaut. & space coun, Exec. Off. President, 61-66; SR. SPECIALIST SPACE & TRANSPORTATION TECH. LEGIS. REFERENCE SERV, LIBRARY CONG, D.C., 66-; ACTING CHIEF SCI. POLICY RES. DIV, 67- Ed. dir, Inst. Maritime Commerce & Transportation, 40-42; sr. economist, War Shipping Admin, 42-43; chief for. & domestic commerce, econ. planning staff, Gen. Hqs, Japan, 48-49; mem. staff, U.S. Naval Intel. Sch, 50-52. Consult, Sabena Belgian World Airlines, 55. Mem. staff, subcm. for. econ. policy, Congressional Joint Cmt. Econ. Report, 55-57. House Rep. Cmt. Sci. & Astronaut. Commendation, 61. U.S.N.R. 43-46, 50-52, Capt. Econ. Asn; fel. Astronaut. Soc. Transportation; international trade; space technology; science policy. Publ: Intelligence for naval officers; Soviet economic growth: a comparison with the U.S.; Review of the Soviet space program, Govt. Printing, 67. Address: 3507 N. Piedmont St, Arlington, Va. 22207.
- SHELDON, DR. ELEANOR BERNERT, b. Hartford, Conn, Mar. 10, 20; m. 50; c. 2. SOCIOLOGY, DEMOGRAPHY. A.B. North Carolina, 42; Harper fel, Chicago, 45-47, Ph.D.(sociol.), 49. Asst. demogr. off. pop. res, Princeton, 42-43; soc. scientist, U.S. Dept. Agr, 43-45; res. assoc. sociol. bur. appl. soc. res, Columbia, 50-51; soc. scientist, UN Secretariat, 51-52; lectr. sociol. & res. assoc, California, Los Angeles, 55-61; SOCIOLOGIST & EXEC. ASSOC, RUSSELL SAGE FOUND, 61- Res. consult, 57-61; consult, U.S. Dept. Health, Ed. & Welfare, 66-; mem. adv. panel coop. res. & demonstr. grants prog, Welfare Admin. & Soc. Security Admin, 66-; dent. prog. proj. cmt, Nat. Inst. Dent. Res, 67- Fel. Sociol. Asn; Pop. Asn; Asn. Pub. Opinion Res. Labor force; migration; age structure analysis; medical sociology; research methodology. Publ: America's children; Co-auth, Pupils and schools in New York City, Russell Sage, 65; auth, Demographic factors affecting American education, In: Social forces influencing American education. Address: Russell Sage Foundation, 230 Park Ave, New York, N.Y. 10017.
- SHELDON, DR. MARY E, b. Decatur, Ill, Mar. 18, 31; m. 51; c. 2. SOCIOLOGY. A.B. Missouri, 58, Woodrow Wilson fel. & M.A. 60; Ph.D.(sociol), Washington, (Seattle), 67. Instr. SOCIOL, Washington (Seattle), 65-66; ASST. PROF, SOUTHERN METHODIST, 66- Sociol. Asn. Social psychology; organizations. Address: 2507 Bighorn Lane, Richardson, Tex. 75080.
- SHELDON, PROF. PAUL M(ILLARD), b. Duluth, Minn, Jan. 23, 09; m. 49; c. 3. URBAN SOCIOLOGY. A.B. Harvard Col, 31; A.M. N.Y. Univ, 37, fel, 46-50, Ph.D.(sociol.), 51. Instr, N.Y. Univ, 46-50, res. dir. counseling center for gifted, 48-50; from asst. prof. to assoc. prof. sociol. & anthrop. & chmn. dept, OCCIDENTAL COL, 50-66, PROF. SOCIOL, 66-; DIR. LAB. URBAN CULTURE, 52-; MEM. URBAN STUDIES PROG, 66- Dir. chronic illness facilities surv, Los Angeles Metropol. Welfare Coun, 51; Ford Found. fel. 51-57. Consult, Pasadena Sch. Surv, 51; Fund Adult Ed, 55; lib. arts center for adults, Whittier Col, 55. U.S.A. 43-45. AAAS; Sociol. Asn; Anthropol. Asn. Educational sociology; social psychology; crime and delinquency; urban Mexican Americans in American Southwest. Publ: Isolation of highly gifted children; Some observations of highly gifted children; Mexican Americans in urban public schools, Calif. J. Ed. Res. Address: Dept. of Sociology, Occidental College, Los Angeles, Calif. 90041.
- SHELDON, DR. RICHARD C(HENEY), b. Readington Twp, N.J., Aug. 2, 19; m. 44; c. 3. SOCIAL ANTHROPOLOGY. Ph.D.(soc. anthrop), Harvard, 52. V-pres, Int. Res. Assocs, Inc, 50-54; exec. assoc, Ford Found, 54-57; assoc. res. dir, McCann-Erickson, Inc, 57-59; asst. gen. mgr, N.Y. Herald Tribune, 59-62; PROG. OFFICER, FORD FOUND, 62- C.Eng, 42-46, 1st Lt. Anthropol. Asn; Soc. Appl. Anthropol. Asn. Pub. Opinion Res. Community organization, sociology and anthropology of Finland; Russian peasant social structure; psychological warfare. Publ: Some observations on theory in the social sciences. Address: Ford Foundation, 320 E. 43rd St, New York, N.Y. 10017.
- SHELDON, PROF. WILLIAM H, b. Warwick, R.I., Nov. 19, 99; m. CONSTITUTIONAL MEDICINE, PSYCHOLOGY. A.B. Brown, 19; A.M. Colorado, 23; Ph.D.(psychol), Chicago, 26, M.D. 34. Asst. prof, Chicago & Northwestern, 26-27; Wisconsin, 27-31; intern med, Bobs Roberts Mem. Hosp. Children, 33-34; Whitney Found. traveling fel, psychol, Europe, 34-36; res. assoc, human constitution proj, Chicago, 36-38; Harvard, 38-42; dir, constitution clin. col. physicians & surgeons, Columbia, 46-60; part time clin. prof. med, med. sch, Oregon, 51-; res. assoc, California, Berkeley, 55-; attend. chief, Rockland State Hosp, 58- Relation of physical constitution to behavior and personality, mental disorders, clinical disorders, delinquency, longevity and superior achievement and performance. Publ: The Promethean will; Atlas of men; Penny Whimsy. Address: College of Physicians & Surgeons, Columbia University, 630 W. 168th St, New York, N.Y. 10032.
- SHELL, PROF. CLAUDE I(RVING), JR, b. Pine Bluff, Ark, Oct. 15, 22; m. 52; c. 4. MANAGEMENT, MARKETING. B.A. Maryville Col.(Tenn), 47; M.S. Tennessee, 49; Ph.D.(admin), Southern Illinois, 66. Asst. prof. mkt, Tennessee Tech, 48-51, assoc. prof, 54-57; partner, Shell-Ross Co, 51-54; prod. planner, Ford Motor Co, 57-60; asst. dir. small bus. inst, Southern Illinois, 60-65, asst. dir. placements, 65-66, head dept. mgt, 66-67; PROF. MGT. & HEAD DEPT, EASTERN MICHIGAN, 67- Bus. consult. bus. enterprises prog, Ill. Div. Voc. Rehab, 64-67. Mem. bd. dir, Bus. Opportunities for the Blind, 66- U.S.A. 42-46, Res, 46-48, Maj. Acad. Mgt; Mkt. Asn; Nat. Coun. Small Bus. Mgt. Develop. Industrial recruiting and placement of college graduates. Publ: Grades and non-technical recruiting, *J. Col. Placement*, 10-11/67; Selling—another role for the placement counselor, *New Outlook for the Blind*, 2/68; Scholarship in the marketplace, *Bus. Ideas & Facts*, spring 68. Address: Dept. of Management, Eastern Michigan University, Ypsilanti, Mich. 48197.
- SHELL, PROF. KURT L(EO), b. Vienna, Austria, Nov. 17, 20; nat; m. 43. POLITICAL SCIENCE. B.Sc. Columbia, 48, M.A. 49, Ph.D. 55. Instr. pub. law & govt, Columbia, 50-56; asst. prof. POLIT. SCI, Harpur Col, State Univ. N.Y., 56-61; guest prof, Free Univ. Berlin, Germany, 61-64; assoc. prof, State Univ. N.Y. Binghamton, 64-66, PROF, 66-67; SEMINAR POLIT. ED, FRANKFURT, 67- Guest lectr, Cornell, 58; Fulbright lectr, Berlin, 58-59. U.S.A. 42-46. Am. Polit. Sci. Asn; German Polit. Sci. Asn. Political parties, especially interaction between ideology and party structure; relationship between political leadership and population. Publ: Transformation of Austrian socialism, *State Univ. N.Y.*, 62; *Bedrohung und Bewährung: Führung und Bevölkerung in der Berlin-Krise*, Westdeutscher Verlag, 65; *Industrial democracy and the British labor movement*, Polit. Sci. Quart, 57. Address: 6 Frankfurt/Main, Brentanstr. 8, Germany.
- SHELLARD, GORDON D(URVEA), b. New York, N.Y., May 25, 10; m. 38; c. 1. ACTUARIAL SCIENCE. B.S. Mass. Inst. Tech, 31. Mem. actuarial div, Metrop. Life Ins. Co, 31-50, res. assoc, 51-59; asst. actuary, N.Y. LIFE INS. CO, 59-64, ASSOC. ACTUARY, 64- Mem. opers. res. group, U.S. Dept. Navy, 42-45. Consult, weapons systs. eval. group, U.S. Dept. Defense, 50-51. Fel. AAAS; fel. Soc. Actuaries; fel. Opers. Res. Soc.(secy, 61-64). Health and life insurance, studies; operations research. Address: New York Life Insurance Co, 51 Madison Ave, New York, N.Y. 10010.
- SHELLEY, DR. ERNEST L. V, b. Allentown, Pa, Jan. 21, 08; m. 31; c. 3. CLINICAL PSYCHOLOGY, PENOLOGY. A.B. Central Michigan, 32; M.A. Columbia, 38; Ph.D. Mich. State, 59. Supt. pub. schs, Mich, 29-34, teacher, 34-40, psychologist, 40-46; chief psychologist, Boys' Training Sch, Lansing, Mich, 46-59; res. psychologist, youth div, MICH. DEPT. CORRECTIONS, 55-59, SUPVR. TREATMENT, 59- Consult, Probate Court & County Chest Hosp, Saginaw, Mich, 40-46. Mem. youth prog. cmt, Nat. YMCA, 66-69. Psychol. Asn; Asn. Correctional Psychol. Evaluating effects of psychological services in institutional treatment of delinquency and crime, especially personality changes involved. Publ: Perception of violence as an indicator of adjustment in institutionalized offenders, *J. Criminal Law, Criminol. & Police Sci*; Evaluating a counseling program for youthful offenders, *J. Counseling Psychol*; Substitute father, *Phi Delta Kappan*. Address: 1026 N. Lawn, East Lansing, Mich. 48823.
- SHELLOW, DR. ROBERT, b. Milwaukee, Wis, Sept. 22, 29. PSYCHOLOGY. B.A. Reed Col, 51; M.A. Michigan, 52, U.S. Pub. Health Serv. fel, 54, Ph.D. (psychol), 55. Trainee psychol, U.S. Vet. Admin. Hosp, Dearborn, Mich, 51-52, Battle Creek, 52-53, Ann Arbor, 54-55; intern, counseling center, Michigan, 53-54; chief psychologist, nat. training sch. boys, bur. prisons, U.S. Dept. Justice, 55-57; psychologist, MENT. HEALTH STUDY CENTER, NAT. INST. MENT. HEALTH, 57-61, CHIEF adolescent process sect, 61-66, SPEC. PROJ. SECT, 66- Lectr, Wash. Sch. Psychiat, 62; asst. dep. dir. res, Nat. Adv. Cmn. Civil Disorders, 67-68. Adv. dir. pub. safety, D.C. 68- U.S.A.F.R. 49-53. AAAS; Psychol. Asn. Social psychological study of adolescence; juvenile delinquency; family dynamics in psychotherapy; perceptual psychology; problems of urban and rural Italian youth. Publ: Co-auth, Reinforcing police neutrality in civil rights confrontations, *J. Appl. Behav. Sci*, 65; The riot that didn't happen, *Soc. Probs*, fall 66; sr. auth, Suburban runaways of the 1960's, *Soc. Res. Child Develop*, 67. Address: Special Projects Section, Mental Health Study Center, 2340 University Blvd. E, Adelphi, Md. 20783.
- SHELLY, DR. MAYNARD WOLFE, b. St. Louis, Mo, Nov. 21, 28; m. 56. PSYCHOLOGY, MATHEMATICS. B.A. Westminster Col.(Mo), 50; univ. fel. & M.S. Wisconsin, 54, Soc. Sci. Res. Coun. fel. & Ph.D.(psychol), 58. Asst. psychol, Wisconsin, 52-54; res. assoc, lab. aviation psychol, Ohio State, 56-58; psychologist, Off. Naval Res, Ill, 58-60, mathematician, Wash. D.C., 60-65; assoc. prof. PSYCHOL, KANSAS, 65-68, PROF, 68- Vis. lectr, Wisconsin, summer 66. Psychol. Asn; Statist. Asn; Psychomet. Soc; Math. Soc; Math. Asn; Inst. Math. Statist; Asn. Symbolic Logic; Soc. Indust. & Appl. Math. Theories

and sources of satisfaction; reinforcement theory; social change; application and development of mathematical models. Publ: Co-ed. Human judgements and optimality, 64 & New perspectives in organization research, 64, Wiley; co-ed. The research society, Gordon & Breach, 68. Address: 321 Yorkshire Dr. Lawrence, Kans. 66044.

SHELTON, PROF. DARIUS WESTBROOKE, b. Deport, Tex, July 4, 13; m. 38; c. 5. ECONOMICS, GOVERNMENT. B.S. N.Tex. State Col, 40; N.Y. Univ, 40-50. ASSOC. PROF. ECON, NORTH TEXAS STATE, 47- Lectr. N.Y. Univ, 40-50; Wiley Col, 67-68. U.S.A.A.F, 33-36, 43-45. Value of the dollar and economic growth; farm policy mistakes since 1933; American political and economic mistakes since 1900. Address: Dept. of Economics, North Texas State University, Denton, Tex. 76201.

SHELTON, PROF. DAVID H(OWARD), b. Winona, Miss, Nov. 30, 28; m. 51; c. 3. ECONOMICS. B.A. Millsaps Col, 51; M.A. Ohio State, 52, Doherty fel, 56-57, Ph.D.(econ), 58. Mkt. analyst, Nationwide Mutual Ins. Co, 54-55, consult, 59; instr. ECON, Ohio State, 55-58; asst. prof, Delaware, 58-63, assoc. prof, 63-65; PROF, NORTH CAROLINA, GREENSBORO, 65-, HEAD DEPT. ECON. & BUS. ADMIN, 67- Consult, Int. Econ. Serv, 63; Greensboro, N.C. Chamber of Commerce, 66- U.S.N, 46-48. Econ. Assn. Economic growth and problems of Latin America; development of national economic systems; economic theory. Publ: Financial systems of Chile and Mexico: their roles in economic development, 1945-1955; The banking system: money and the goal of growth, In: Public policy and private enterprise in Mexico, Harvard, 64; Private sector liquidity and output growth in post-war Mexico, South. Econ. J, 7/67. Address: Dept. of Economics & Business Administration, University of North Carolina, Greensboro, N.C. 27412.

SHELTON, DR. JEAN JONES, b. Pineville, Ky, May 17, 15; m. 42; c. 3. EDUCATIONAL & SOCIAL PSYCHOLOGY. A.B. Louisville, 36, M.A. 49; Ph.D. Texas, 59. Teacher, high sch, Ky, 36-42, observer, U.S. Weather Bur, Pa. & Ky, 42-43, teacher, schs, Tex, 45-47, 49-59; instr, Trinity (Tex), 47-49; asst. prof. psychol, Arlington State Col, 59-62; ED. CONSULT, DARNALL ASSOCS, 62- Psychol. Assn. Value-orientations; attitude research. Publ: New look of Texas principals, Tex. Sec. Sch. J. Address: 5909 Desco Dr, Dallas, Tex. 75225.

SHELTON, PROF. JOHN P(ERCIVAL), b. Glendora, Calif, May 20, 20; div; c. 3. ECONOMICS, BUSINESS ADMINISTRATION. B.A. Pomona Col, 41; M.B.A. Harvard, 49, Ph.D.(bus. econ), 56; King Gustav fel, Sweden, 51-52. Asst. prof, grad. sch. indust. admin, Carnegie Inst. Tech, 52-56; assoc. prof, Claremont Colls, 56-60; PROF. BUS. ADMIN, CALIFORNIA, LOS ANGELES, 60- Mgr. spec. proj. unit, securities res. div, Merrill Lynch, Pierce, Fenner & Smith, 67- Ed. & publisher, Azusa Herald, 46-47. U.S.A., 41-46, Lt. Col. Econ. Assn; Finance Assn. Business economics; finance; investments; application of economic theory to the financial markets. Publ: Co-auth, California local finance, Stanford, 60; auth, Warrant-stock price relation, Financial Analysts J, 67; Test of the predictability of stock prices, J. Bus, 67. Address: Graduate School of Business Administration, University of California, Los Angeles, Calif. 90024.

SHELTON, DR. W(INFRED) NEIL, b. Gretna, Va, Apr. 4, 19; m. 47; c. 3. PSYCHOLOGY, PSYCHIATRY. B.A. Cincinnati, 49, M.A. 50; Ph.D.(psychol), Chicago, 54; M.D. Tennessee, 62. Clin. psychologist, Kennedy Vet. Admin. Hosp, Memphis, Tenn, 54; U.S. Naval Hosp, 54-55; chief clin. psychol, Vet. Admin. Hosp, 55-58; intern, Methodist Hosp, Memphis, Tenn, 62-63; resident psychiat, Ment. Health Inst, Independence, Iowa, 63-66; dir. outpatient dept, 66-67; PSYCHIATRIST & DIR, CENT. IOWA MENT. HEALTH CENTER, AMES, 67- Psychiat. consult, student counseling serv, Iowa State Univ, 67-U.S.A.A.F, 42-45, Capt. Psychol. Assn; Am. Med. Assn; Psychiat. Assn. Community psychiatry; clinical prediction; psychosomatics; aphasia. Address: 1017 Burnett Ave, Ames, Iowa, 50010.

SHEN, DR. CHING SHENG, b. Peking, China, Oct. 10, 17; m. 54; c. 2. ECONOMICS, STATISTICS. B.A. Yen Ching Univ, China, 41; M.A. Nankai Econ. Inst, 44; M.A. Boston, 51; Ph.D. North Carolina, 57. Asst. prof. ECON, Elon Col, 55-57; N.C. State Col, 57-64; LEHIGH, 64-68, ASSOC. PROF, 68- Econ. Assn; Economet Soc. Mathematical economic models; econometric methods to determine economic relationships; Chinese economy. Address: Dept. of Economics, Lehigh University, Bethlehem, Pa. 18015.

SHEN, DR. RUTH R, b. Brooklyn, N.Y, Feb. 10, 36; m. 64. ECONOMICS. B.A. Bryn Mawr Col, 57; M.A. Hopkins, 60, Ph.D.(econ), 61. Fiscal economist, U.S. Treas. Dept, 61-63; ASST. PROF. ECON, Wayne State, 63-64; SAN FRANCISCO STATE COL, 64- Public Finance. Address: Dept. of Economics, San Francisco State College, San Francisco, Calif. 94132.

SHEN, DR. TSUNG-YUEN, b. Shanghai, China, Oct. 11, 31. ECONOMICS. B.A. Ohio Wesleyan, 52; M.A. Yale, 53, fel. & Ph.D.(econ), 56. Mem. res. staff, econ. res. proj, Harvard, 56-57; statistician, Fed. Reserve Bank Boston, 57-60; asst. prof. ECON, Wayne State, 60-62, ASSOC. PROF, 62-63; CALIFORNIA, DAVIS, 63- Nat. Sci. Found. res. grants, 61-62; Guggenheim fel, 66-67. Econ. Assn; Economet. Soc; Royal Econ. Soc. Analysis of input output behavior in industries; theory of the firm; decision making in economics. New England industries in 1970; Innovation, diffusion, and technological changes & Economics of scale, expansion path and growth of plants, Rev. Econ. & Statist, 65. Address: Dept. of Economics, University of California, Davis, Calif. 95616.

SHENEFIELD, DR. HALE T(HUREL), b. Sidney, Ind, Apr. 15, 02; m. 37; c. 2. ECONOMICS. A.B. Michigan, 24, M.A. 28; Ph.D.(econ), American Univ, 51. Instr. polit. sci, 28-29; secy, Cmn. Publicity & Efficiency, Ohio, 29-33; dir. finance & purchasing, Lucas Co, 33-34, county auditor, 34-39; asst. to asst. adminstr, U.S. Housing Authority, 39-40; field rep, surv. of Fla, Brookings Inst, 40-41; exec. secy, Joint Cmt. for War Prod, 42-43; asst. secy. & treas. Cmt. for Econ. Develop, 43-44; consult, fed. & state fiscal policy, 44-45; chief, lend lease & surplus div, U.S. Dept. State, 45-49; prog. officer, Econ. Coop. Admin, Austria & Trieste, 49-51; Inst. of Inter-Am. Affairs, Santiago, Chile, 52-53; int. monetary & financial adv, Int. Coop. Admin, 53-60; Inter-Am. Develop. Bank, 60-64; vis. prof, Southern California, 64-65; SR. ECON-

OMIST, RES. TRIANGLE INST, 67- Lectr, Toledo, 29-35; Littauer Sch, Harvard, 40; Columbia, 40; George Washington, 53, 58-59. Econ. consult, WHO, 64-65. Econ. Assn; Polit. Sci. Assn. Economic development; international finance; public finance. Publ: Florida fiscal situation; Land value and assessment manual; Proceedings of seminar in water supply administration and finance, Ministry Health, Govt. of India, 64. Address: Research Triangle Institute, R&D Division, Box 200, APO New York 09205.

SHEPARD, DR. ANNA O(SLER), Mineral, Archaeol, see 11th ed, Phys. & Biol. Vols.

SHEPARD, PROF. BERNARD A, Journalism, see 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.

SHEPARD, BROOKS, Statist, Econ, see 10th ed, Soc. & Behav. Vols.

SHEPARD, DR. EUGENE L(OUIS), b. Chanute, Kans, Dec. 8, 12; m. 39; c. 2. PSYCHOLOGY. B.S. Kans. State Teachers Col, Emporia, 37, M.S. 38; Ph.D. (clin. psychol), N.Y. Univ, 40. Mem. psychol. dept. & chmn. psychol. clin, STEPHENS COL, 40-43, 46-48, dean student personnel, 48-54, DIR. COUNSELING SERV, 54- Mem. nat. cmt. appraisal jr. col. student personnel progs, Carnegie Corp-Am. Assn. Jr. Colls, 63-66; rep, nat. cmt. drug use & abuse, Food & Drug Admin-Nat. Assn. Student Personnel Adminstr, 66-67. U.S.A., 43-46, Lt. Fel. Psychol. Assn; Personnel & Guid. Assn. Counseling. Publ: Contrib. Role of the faculty counselor in general education, Counseling & Guid. Gen. Ed; How records contribute to deeper teaching. Address: 824 Bourn Ave, Columbia, Mo. 65201.

SHEPARD, DR. HERBERT A(LLEN), b. Hamilton, Ont, Sept. 17, 19; U.S. citizen; m. 46; c. 2. ORGANIZATION BEHAVIOR, SOCIOLOGY. B.A. McMaster, 41; M.A. Toronto, 47; Ph.D.(indust. econ), Mass. Inst. Tech, 50. Lectr. human rels, Toronto, 47, instr. sociol, 47-48; asst. prof. indust. sociol, Mass. Inst. Tech, 51-57; sr. res. assoc, Esso Standard Oil, 57-60; prof. orgn. behav, Case, 60-66; core group mem, Orgn. Soc. & Tech. Innovation, 66-67; VIS. PROF. SOCIOL, SCH. MED, YALE, IONA COL. & UNIV. NEW HAMPSHIRE, 67- Soc. Sci. Res. Coun. faculty res. fel, 51-54; adj. assoc. prof, N.Y. Univ, 58-60. Consult, various companies & U.S. Govt. Dir, Nat. Training Labs. Inst. Appl. Behav. Sci, 61-64. Sociol. Assn; Soc. Appl. Anthropol. Sociology of science; organization of research and development; group dynamics; organization development and change; community development; industrial relations. Publ: Co-auth, Managing intergroup conflict in industry, Gulf, 64; auth, Changing interpersonal and intergroup relationships in organizations, In: Handbook of organizations, Rand, 66; Innovation-resisting and innovation-producing organizations, Chicago J. Bus, 67. Address: 489 Haviland Rd, Stamford, Conn. 06903.

SHEPARD, MILLS, b. Lowville, N.Y, Jan. 17, 97; m. 26. ECONOMICS, MARKETING. A.B. Colgate, 19; M.B.A. Harvard, 21. Res. mgr, Gilchrist Co, 21-25; assoc. res. dir, Am. Assn. Advert. Agencies, 25-29; v.pres. & gen. mgr, Daniel Starch & Staff, 29-43; dir. mkt. res, Dun & Bradstreet, 43-44; dir. res, McCall's, 44-52; RES. CONSULT, 53- Lectr, grad. sch. bus, Columbia, 52- Pres, Mills Shephard Assocs, Inc, 59-68. U.S.A., 18. Statist. Assn; Mkt. Assn; Sociol. Assn; Assn. Pub. Opinion Res. Advertising response. Address: 785 Via Lombardy, Winter Park, Fla. 32789.

SHEPARD, DR. ROGER N(EWLAND), b. Palo Alto, Calif, Jan. 30, 29; m. 52; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A. Stanford, 51; M.S. Yale, 52, Ph.D.(psychol), 55. Nat. Acad. Sci. & Nat. Res. Coun. res. assoc, Naval Res. Lab, 55-56; res. fel, psychol. dept, Harvard, 56-58; mem. tech. staff, Bell Tel. Labs, 58-66, dept. head learning processes & measurement, 63-66; prof. psychol, Harvard, 66-68, dir. psychol. labs, 67-68; PROF. PSYCHOL, STANFORD, 68- Psychol. Assn; Psychonomic Soc; Psychomet. Soc; Soc. Exp. Psychol. Computers and mathematical models in psychological research; multidimensional scaling; perception and memory; psychology of mental phenomena and philosophy of mind. Publ: Analysis of proximities, Psychometrika, 62; Circularity in judgements of relative pitch, J. Acoustical Soc. Am, 64; Recognition memory for words, sentences, and pictures, J. Verbal Learning & Verbal Behav, 67. Address: Dept. of Psychology, Stanford University, Stanford, Calif. 94305.

SHEPARD, DR. ROWLAND H(UGHES), Psychol, see 10th ed, Soc. & Behav. Vols.

SHEPARDSON, DR. MARY T(HYGESON), b. St. Paul, Minn, May 26, 06; m. 43. ANTHROPOLOGY. A.B. Stanford, 29, M.A. 56; Ph.D. California, 60. Nat. Sci. Found. fel. ANTHROP, California, 60-61; Nat. Inst. Ment. Health res. grants, Univ. Chicago, 61-67; LECTR, SAN FRANCISCO STATE COL, 67-Fel. Anthropol. Assn; Ethnol. Soc. Acculturation; social organization; comparative politics; North American Indians; Navajo; methods of handling dispute cases. Publ: Value theory and the prediction of political behavior: the Navajo case, Am. Anthropologist; Navajo ways in government, Mem. Am. Anthropol. Assn. Address: Box 25, Star Route, Redwood City, Calif. 94062.

SHEPARD, PROF. A(LFRED) H(ENRY), b. Vancouver, B.C, Mar. 4, 17; m. 57; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. British Columbia, 39; M.A. Iowa, 48, Ph.D. 50. Instr. PSYCHOL, British Columbia, 43-45; Iowa, 46-48, res. assoc, 48-50; asst. prof, Toronto, 50-53, assoc. prof, 53-62; PROF. & HEAD DEPT, MANITOBA, 62- AAAS; Psychol. Assn; Can. Psychol. Assn. Human learning; perceptual motor skills; research design. Publ: Co-auth, Age and sex in relation to perceptual-motor performance on several control-display relations on the TCC, Body orientation and perceptual-motor performance & Manifest anxiety and performance on a complex perceptual-motor task, Perceptual Motor Skills. Address: Dept. of Psychology, University of Manitoba, Winnipeg, Man, Can.

SHEPARD, PROF. RONALD W(ILLIAM), Indust. Eng, see 11th ed, Phys. & Biol. Vols.

SHEPHERD, PROF. CLOVIS R, b. Turnerville, Tex, Aug. 26, 23; m. 56; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A. Texas, 48, M.A. 52; Soc. Sci. Res. Coun. fel, California, Los Angeles, 56-57, Ph.D.(sociol), 58. From

- instr. to asst. prof. sociol. California, Santa Barbara, 57-64; prog. dir. Inst. Appl. Behav. Sci. Nat. Training Labs, 64-67; PROF. SOCIOL. & DIR. HUMAN RELS. INST. CINCINNATI, 67- Summer, Haynes Found. Res. fel, 58; Nat. Training Labs. internship fel, 60. Sig.C, U.S.A. 42-46. Sociol. Asn; Psychol. Asn; Soc. Psychol. Study Social Issues. Identity; interpersonal relations and role behavior in creative and learning environments, especially among engineers, scientists and students in research and development organizations and in universities. Publ: Small groups, Chandler, 64; co-auth, Factionalism and organization change in a research laboratory, Soc. Probs; Status, prestige and esteem in a research organization, Admin. Sci. Quart. Address: Human Relations Institute, University of Cincinnati, Cincinnati, Ohio 45221.
- SHEPHERD, PROF. GEOFFREY (SEDDON), b. Deal, Kent, Eng. Nov. 29, 98; nat; m. 31; c. 5. ECONOMICS. B.S.A. Saskatchewan, 24; M.S. Iowa State Col, 25; Ph.D.(econ), Harvard, 32. From asst. to PROF. ECON. & SOCIOL. IOWA STATE, 25- Prin. economist, div. mkt. & transportation res. bur. agr. econ. U.S. Dept. Agr, 41, acting chief res. div. Commodity Credit Corp, 41-42; chief economist, food price div. Off. Price Admin, 45; econ. adv. Occup. Forces, Germany, 49, Japan, 51, Burma, 57, Venezuela, 62, Vietnam, 64-65, Peru, 65-69. Can. Army, 18-19. Econ. Asn; Agr. Econ. Asn. Agricultural marketing; general economic policy. Publ: Agricultural price analysis; Agricultural price policy; Marketing farm products, economic analysis. Address: Dept. of Economics, Iowa State University, Ames, Iowa 50012.
- SHEPHERD, DR. GEORGE WILLIAM, JR, b. Shanghai, China, Oct. 26, 26; nat; m. 48; c. 4. POLITICAL SCIENCE. B.A. Michigan, 49; Ph.D.(polit. sci), London, 52. Lectr. polit. sci, Brooklyn Col, 56-58; asst. prof. St. Olaf Col, 58-60; INT. RELS. DENVER, 61-64, assoc. prof. GRAD. SCH. INT. STUDIES, 64-68, PROF. 68- Vis. prof. Minnesota, 61; Rockefeller res. grant, 62; Rockefeller Found. vis. prof. Khartoum, 64-65. Ed. Africa Today, 66- Mem. coun. soc. action, United Church of Christ, 67- Anisfield-Wolf Lit. award, 56. Mil. Intel, U.S.A. 44-46. Polit. Sci. Asn; fel. African Studies Asn; Int. Studies Asn. African government and politics and the international politics of Africa; international political theory; foreign policies of Africa; race and ethnic factors in international relations. Publ: They wait in darkness; Politics of African nationalism: challenge to American policy; National integration in the southern Sudan, J. Mod. African Studies, 4/67. Address: Dept. of Public Relations, University of Denver, Denver, Colo. 80210.
- SHEPP, DR. LAWRENCE ALAN, Math, see 11th ed, Phys. & Biol. Vols.
- SHEPPARD, DR. E(RNEST) J(AMES), Econ, see 10th ed, Soc. & Behav. Vols.
- SHEPPARD, DR. HAROLD L(LOYD), b. Baltimore, Md, Apr. 1, 22. INDUSTRIAL SOCIOLOGY. A.M. Chicago, 45; fel. Wisconsin, 45-46, Ph.D. 49. From instr. to assoc. prof. sociol. Wayne State, 47-59, res. & staff dir. spec. cmt. aging, U.S. Senate, Wash, D.C. 59-61; asst. adminstr. Area Redevelop. Admin, 61-63; STAFF SOC. SCIENTIST, W.E. UPJOHN INST. EMPLOY. RES. 63- Vis. asst. prof. Michigan, 56; Fulbright scholar, France, 57-58. Mem. task force environ. health, U.S. Dept. Health, Ed. & Welfare, 66-67; subcom. manpower, employ. & poverty, U.S. Senate, 67-68. AAAS; Sociol. Asn; Indust. Rels. Res. Asn. Social gerontology. Publ: Co-auth, The job hunt, Johns Hopkins, 66 & Economic failure, alienation, and extremism, Univ. Michigan, 68; auth, Effects of family planning on poverty in the United States, Upjohn, 67. Address: W.E. Upjohn Institute for Employment Research, 1101 17th St. N.W., Room 905, Washington, D.C. 20036.
- SHEPPARD, DR. WILLIAM C(LARENCE), JR, b. Battle Creek, Mich, Feb. 21, 42; m. 63; c. 2. PSYCHOLOGY. B.A. Michigan, 64, Nat. Inst. Ment. Health fel, 65-67, M.A. 65, Ph.D.(psychol), 67. ASST. PROF. PSYCHOL. OREGON, 67- Analysis of infant behavior; design of optimum learning environments for children; analysis and modification of operant behavior. Publ: Co-auth, Acquisition, maintenance, and retention in the differential reinforcement of vocal duration, Exp. Psychol. Monogr. Suppl. 74: 1-16 & Development of the prosodic features of infant vocalizations, J. Speech & Hearing Res, 3/68; auth, Operant control of infant vocal and motor behavior, J. Exp. Child Psychol. (in press). Address: Dept. of Psychology, University of Oregon, Eugene, Ore. 97403.
- SHEPS, DR. MINDEL C(HERNIACK), Biostatist, see 11th ed, Phys. & Biol. Vols.
- SHERBURNE, PROF. JAMES W(ILSON), b. Toledo, Ohio, Apr. 8, 05; m. 28; c. 2. PSYCHOLOGY. A.B. Greenville Col, 27; M.A. Michigan, 28; Ph.D. (psychol), Ohio State, 38. Prof. ed. psychol. Wessington Springs Col, 28-29; supt. schs. S.Dak, 29-34; instr. PSYCHOL. Ohio State, 34-38; asst. prof. OREGON STATE, 38-40, assoc. prof. 40-42, PROF. 42-; V.CHANCELLOR CONTINUING ED. STATE SYST. HIGHER ED, 63-, head dept. psychol. 51-56. U.S.A. 42-45. Guidance in high school and college; adult education. Publ: Industrial psychology; Department on organization, Standard Oil Company of California; Continuing higher education in Oregon. Address: 219 Gill Coliseum, University Campus, Corvallis, Ore. 97331.
- SHERE, PROF. EUGENIA S, b. Lithuania, Sept. 10, 05; nat; m. 28. PSYCHOLOGY. Ph.D.(psychol), Jena, 26. Consult. psychologist, Mem. Hosp. Worcester, Mass, 53-64; res. assoc. psychol. Clark, 57-64; PROF. CLIN. PSYCHOL. BAR-ILAN UNIV. ISRAEL, 64- Private practice. Fel. Psychol. Asn; Acad. Psychother; Soc. Res. Child Develop; Group Psychother. Asn. Personality; behavior disorders; projective techniques; personality factors in motor vehicle accidents; group psychotherapy. Publ: Untersuchungen Ueber Das Allgemeine Psychomotorische Tempo; Group therapy with the very old, In: New thoughts on old age, Springer Pub, 64; Mother-child interactions in cerebral palsy, Genetic Psychol. Monogr, 66. Address: Dept. of Psychology, Bar-Ilan University, Ramat-Gan, Israel.
- SHERE, PROF. LOUIS, b. Oxbow, Sask, Apr. 8, 00; nat; m. 40; c. 1. ECONOMICS. B.A. Manitoba, 21, M.A. 22; Ph.D. Columbia, 32. Economist, Wall St. Banking, Investment Trust & Brokerage Firms, N.Y. 29-31; res. staff, State Cmn. for Revision Tax Laws, 31-32; mem. res. staff, Columbia, 32-33; economist, U.S. Dept. Treas, 34-48, dir. tax res, 48; PROF. ECON. & DIR. TAX RES. INDIANA, 48- Econ. Asn; Tax Inst; Int. Fiscal Asn. Taxation; fiscal policy; economic development of underdeveloped countries. Address: Dept. of Economics, Indiana University, Bloomington, Ind. 47401.
- SHERIDAN, DR. CHARLES LAWRENCE, b. Columbus, Ohio, Nov. 13, 37; m. 61. PHYSIOLOGICAL PSYCHOLOGY. B.A. Ohio State, 59, M.A. 61, Ph.D.(physiol. psychol), 63. Instr. PSYCHOL. Oberlin Col, 62-63; ASST. PROF., Missouri, Kansas City, 63-64; Calgary, 64-65; MISSOURI, KANSAS CITY, 66- Prin. investr. Can. Nat. Res. Coun. grant, 64; prin. investr. Nat. Inst. Ment. Health grant, 66-67. Consult. neuropsychol. res. labs, U.S. Vet. Admin. Hosp, Kansas City, Mo, 63-66. AAAS; Psychol. Asn; Animal Behav. Soc; Psychonomic Soc. Neuropsychology; neural basis of perception, learning, generalization and transfer of training. Publ: Co-auth, Functioning of uncrossed optic fibers of the rat in pattern discrimination (abstract), Can. Psychol. 6, 226; auth, Interocular interaction of conflicting discrimination habits in the albino rat: a preliminary report, 3: 303-304 & co-auth, Differences in the effectiveness of optic uncrossed fiber systems in albino and hooded rats, (in press), Psychonomic Sci. Address: Dept. of Psychology, University of Missouri, Kansas City, Mo. 64110.
- SHERIDAN, DR. EDWARD PATRICK, b. Detroit, Mich, Dec. 2, 37; m. 67. CLINICAL PSYCHOLOGY. B.A. Windsor, 61; M.A. Detroit, 64; Ph.D.(psychol), Loyola (Ill), 68. Intern psychol. Hines Vet. Admin. Hosp, Ill, 63-65; ment. hyg. out-patient clin, West Side Vet. Admin. Hosp, Chicago, Ill. 65-66; asst. prof., Windsor, 66-67; SR. PSYCHOLOGIST, COMMUNITY MENT. HEALTH SERV. OAKLAND COUNTY, MICH, 67- Consult, Univ. Detroit, 66-67, adj. prof, 68- Personality development; psychotherapy; sensitivity training. Address: 30596 Southfield, Southfield, Mich. 48075.
- SHERIDAN, PROF. RICHARD BERT, b. Feb. 10, 18; U.S. citizen; m. 52; c. 2. ECONOMIC HISTORY. B.S. Kans. State Teachers Col, 40; M.S. Kansas, 47; Ph.D.(econ. hist), London Sch. Econ, 51. Instr. ECON. KANSAS, 47-48, asst. prof, 52-57, assoc. prof, 57-63, PROF. 63- Fulbright res. scholar, Univ. West Indies, 62-63. U.S.N.R. 42-46, Lt. Econ. Hist. Asn; Brit. Econ. Hist. Soc; Econ. Asn. Economic history of the British colonies in the seventeenth and eighteenth centuries, with special reference to slavery and plantations in the West Indies. Publ: The British credit crisis of 1772 and the American colonies, J. Econ. Hist, 60; The rise of a colonial gentry: a case study of Antigua, 1730-1775, 61 & The wealth of Jamaica in the 18th century, 65, Econ. Hist. Rev. Address: Dept. of Economics, University of Kansas, Lawrence, Kans. 66044.
- SHERIDAN, DR. THOMAS BROWN, Eng. Psychol, see 11th ed, Phys. & Biol. Vols.
- SHERIF, DR. CAROLYN WOOD, b. Loogootee, Ind, June 26, 22; m. 45; c. 3. SOCIAL PSYCHOLOGY. B.S. Purdue, 43; M.A. & Kappa Kappa Gamma Nat. fel, Iowa, 44; Ph.D. Texas, 61. Asst. surv. res. Audience Res, Inc, 44-45; psychol. Princeton, 45-46; private practice, 46-59; res. assoc. inst. group rels, Oklahoma, 59-66, ASSOC. PROF. sociology, 62-65; PSYCHOL. PA. STATE, 66- Psychol. Asn; Sociol. Asn. Social judgment; attitudes; adolescent peer groups. Publ: Co-auth, Reference groups, Harper, 64; Attitude and attitude change, Saunders, 65; Attitude, involvement and change, Wiley, 67. Address: 507 Shannon Lane, State College, Pa. 16801.
- SHERIF, PROF. MUZAFER, b. Turkey, July 29, 06; m. 45; c. 3. PSYCHOLOGY. B.A. Int. Col. Turkey, 26; M.A. Istanbul, 29; M.A. Harvard, 32; Ph.D. Columbia, 35. Rockefeller fel, Columbia, 35-36; asst. prof. psychol. Gazi Inst. Turkey, 37-39; Ankara Univ, 39-44, prof, 44; U.S. Dept. State fel, Princeton, 45-47; res. fel. psychol. Yale, 47-49; prof, Oklahoma, 49-60, consult. prof, dept. psychiat, sch. med, 54-65, dir. inst. group rels, 55-65, res. prof. psychol. univ, 60-65; distinguished vis. prof. sociol. PA. STATE, 65-66, PROF. SOC. PSYCHOL. & DIR. PSYCHO-SOC. STUDIES PROF. 66- Fel. Psychol. Asn.(Kurt Lewin mem. award, 67); fel. Sociol. Asn. Perception; social attitudes; group relations. Publ: Co-auth, Reference groups, Harper, 64; auth, In common predicament: social psychology of intergroup conflict, Houghton, 66; Social interaction, Aldine, 67. Address: Dept. of Sociology, Pennsylvania State University, University Park, Pa. 16802.
- SHERLOCK, DR. JOSEPH R(USSELL), b. New York, N.Y., Aug. 20, 05; m. 37. PSYCHOLOGY. A.B. Fordham, 27, LL.B. 30, M.A. 33, Ph.D.(psychol), 37. Instr. psychol. FORDHAM, 27-31, psychol. & philos. Manhattan Div. & sch. bus, 31-35, asst. prof. 35-38, ASSOC. PROF. PHILOS. SCH. BUS. 38-, SCH. ADULT ED, 45-, HEAD DEPT. PHILOS. 49-, lectr. col. pharm, 29, grad. sch, 38-39, sch. ed, 48. Attorney & counsr. N.Y. 33-; asst. prof. Manhattanville Col. Sacred Heart, 43-46; practicing clin. psychologist. Bene Merenti medal, Fordham, 48. Fel. AAAS; fel. Psychol. Asn; Psychomet. Soc; Medicaeval Acad. Am. Willing and motivation with special reference to legal responsibility; history of psychology, especially Greek and Medieval; personality. Publ: Characteristics of Roman Catholic sisters and of candidates for the sisterhood. Address: School of Business, Fordham University, Bronx, N.Y. 10458.
- SHERMAN, PROF. ARTHUR W(ESLEY), JR, b. Lakewood, Ohio, Feb. 11, 17; m. 42; c. 3. PSYCHOLOGY. A.B. Ohio, 40; A.M. Indiana, 42; Ph.D.(psychol), Ohio State, 52. Asst. prof. PSYCHOL. SACRAMENTO STATE COL, 54-58, assoc. prof. 58-64, PROF. 64- U.S.A.F. 51-54, Res. 58-, Lt. Col. Psychol. Asn. Personnel psychology; tests and measurements. Publ: Co-auth, Readings in personnel management, Second Ed, 66 & Personnel management, Third Ed, 68, South-Western Pub; auth, Personality factors in the psychological weaning of college women, Ed. & Psychol. Measurement. Address: Dept. of Psychology, Sacramento State College, 6000 J St, Sacramento, Calif. 95819.
- SHERMAN, PROF. DOROTHY HELEN, Speech Path, Statist, see 11th ed, Suppl. IV to Phys. & Biol. Vols.
- SHERMAN, DR. EDITH, b. New York, N.Y., Nov. 3, 18; m. 39; c. 3. SOCIOLOGY. B.M.E. Colorado, 39, Danforth faculty fel, 58-59; Ph.D. 62; M.A. Denver, 49; Nat. fel, Vassar Family Inst, 55. Instr. SOCIOL. DENVER, 54-59, asst. prof, 60-65, ASSOC. PROF. 65- Res. assoc. Emory Univ. study pro-

file of aging, U.S. 60; Dept. Health Ed. & Welfare res. grant, 66-68. Res. consult. Colo. Med. Care Prog. Aged, 62. Del. White House Conf. Aging, 61; Univ. Mich. Conf. Aging, 61, 67. Mem. Gov. Cmn. Aging, 65-; tech. rev. cmt. admin. on aging, Dept. Health, Ed. & Welfare. Sociol. Asn. Gerontology and the political aspects of the old age movement; race relations. Publ: Study of medical care for the aged in Colorado, Rocky Mt. Soc. Sci. Asn. J. 4/64. Address: Dept. of Sociology, University of Denver, 432 Pioneer Hall S, Denver, Colo. 80210.

SHERMAN, PROF. EUGENE G (ARFIELD), JR. b. Whigham, Ga. Oct. 23, 32; m. 56; c. 1. SOCIOLOGY. A.B. Ft. Valley State Col, 54; M.A. Southern Illinois, 55; hon. D.D. Ga. Baptist Col. Sem, 55; Ph.D. (sociol), Purdue, 68. Asst. Southern Illinois, 54-55; introd. sociol. Purdue, 55-57, 58-59; instr. SOCIOL. Grambling Col, 57-58; assoc. prof. Fla. Agr. & Mech, 59-67; PROF. & CHMN. DEPT. ALBANY STATE COL, 67- Res. fel. Duke, 68-70; summer instr. Miss. Voc. Col, 58. Consult. Tampa Bay Area Coun. Aging, Fla, 67-; Asbury Hills Home Aged, Atlanta, Ga, 67- Sociol. Asn. Social stratification; sociology of the family; population analysis; gerontology; investigations in urbanization and Negro population. Address: Dept. of Sociology, Albany State College, Albany, Ga. 31705.

SHERMAN, DR. GORDON R, Appl. Math, see 11th ed, Phys. & Biol. Vols.

SHERMAN, DR. HARRY, b. New York, N.Y. June 5, 09; m; c. 2. COUNSELING & INDUSTRIAL PSYCHOLOGY. B.S. Long Island, 31; Sc.M. N.Y. Univ, 33, Ph.D. 51. Consult. psychologist, 49-55; staff psychologist, Stevenson, Jordan & Harrison, Inc, 55-57; CONSULT. INDUSTR. PSYCHOLOGIST, 57-Psychol. Asn; Soc. Personnel Admin. Publ: Reducing grievances through supervisory training; Inducting the new employee, Supervision. Address: 40 Atherstone Rd, Scarsdale, N.Y. 10583.

SHERMAN, (MARCUS) HARVEY, b. Pittsburgh, Pa. June 9, 17; m. 50; c. 2. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B. California, Berkeley, 38, M.A. 39; Chicago, 39-41. Res. asst. pub. admin. Chicago, 39-41; orgn. & methods analyst, U.S. Bur. Budget, 46-48, staff asst. to dir, 48-49; budget & planning officer, 49-51; dir. pub. admin. staff, U.S. Tech. Coun. Admin, 51-53; pub. admin. adv. U.S. For. Ops. Admin, 53-55; DIR. ORGN. & PROCEDURES DEPT, PORT OF NEW YORK AUTHORITY, 55- Lectr. U.S. Dept. Agr. Grad. Sch, 49-51; Syracuse, 51 & 56; instr. City Col. New York, 57-59; pres. Int. Study & Res. Inst, 63- Mem. adv. coun. bus. sch. Manhattan Col, 58-; mgt. adv. panel, NASA, 67-; Nat. Acad. Pub. Admin. U.S.A, 41-46, Capt. Soc. Pub. Admin. (pres, 64-65); Polit. Sci. Asn. Organization planning; systems and procedures; budgeting; personnel administration. Publ: It all depends: a pragmatic approach to organization, Univ. Alabama, 66. Address: 399 Murray Ave, Englewood, N.J. 07631.

SHERMAN, DR. HOWARD JAY, b. Chicago, Ill. Jan. 3, 31; m. 62; c. 2. ECONOMICS. B.A. California, Los Angeles, 50; Dr. Juris, Chicago, 53; M.A. Southern California, 57; Ph.D. (econ), California, Berkeley, 60. Asst. prof. ECON. Wayne State, 60-62; Calif. Inst. Tech, 62-64; lectr. California, Berkeley, 64-66; ASSOC. PROF. CALIFORNIA, RIVERSIDE, 66- Res. fel. Brookings Inst, 60-61. U.S.A, 53-55. Econ. Asn. Soviet economy; economics of planning; Marxist ideology; economic fluctuations and growth. Publ: Macrodynamics economics, 64 & Elementary aggregate economics, 66, Appleton; Marxist economics and Soviet planning, Soviet Studies, 10/66. Address: Dept. of Economics, University of California, Riverside, Calif. 92502.

SHERMAN, DR. JAMES ANTHONY, b. Corvallis, Ore. Sept. 1, 38; m. 62; c. 2. PSYCHOLOGY. B.A. Pomona Col, 60; U.S. Pub. Health Serv. fel. Washington (Seattle), 60-61 & 63-64, M.S. 63, Ph.D. (psychol), 64. ASST. PROF. CHILD DEVELOP, KANSAS, 66- Med. Serv. C, U.S.A, 64-66, Capt. Psychol. Asn. Development of language and social behavior in children. Publ: Co-auth. Operant therapy techniques, In: Assessment of the behavioral therapies, McGraw, (in press); auth. Use of reinforcement and imitation to reinstate verbal behavior in mute schizophrenics, J. Abnorm. Psychol, 70: 155-164; co-auth. Building generalized imitation by reinforcing behavioral similarity to a model, J. Exp. Anal. Behav, 10: 405-416. Address: Dept. of Human Development, University of Kansas, Lawrence, Kans. 66044.

SHERMAN, DR. JAY J (ULIUS), Govt, see 10th ed, Soc. & Behav. Vols. deceased 67.

SHERMAN, PROF. JOHN C (LINTON), b. Toronto, Ont. May 3, 16; U.S. citizen; m. 41; c. 4. GEOGRAPHY. B.A. Michigan, 37; M.A. Clark, 43; Ph.D. (geog), Washington (Seattle), 47. Instr. GEOG, WASHINGTON (SEATTLE), 42-47, asst. prof, 47-54, assoc. prof, 54-63, PROF. & CHMN. DEPT, 64-Res. contracts, Boeing Co, Wash, 58-60 & 63-65; Nat. Sci. Found. travel grant, 60, res. grants, Summer Inst. Col. Teachers, 63, 64 & 66. Consult. Am. Found. for Blind, 57-58. Mem. adv. cmt. geog. br. Off. Naval Res, 63-67; Nat. Adv. Cmt. Nat. Res. Coun. Submt. Remote Sensing, U.S. Geol. Surv, 66- Asn. Am. Geog. Cartography; geographic applications of remote sensing. Publ: Ed. Regional economic atlas of Canada and the United States, Oxford Univ, 67; auth. Cartographic illustrations, In: Introduction to geography, Rand McNally, 61 & 66; Current map resources and existing map needs of the blind, Surveying & Mapping, 12/64. Address: Dept. of Geography, University of Washington, Seattle, Wash. 98105.

SHERMAN, PROF. JOHN GILMOUR, b. Fall River, Mass. Apr. 3, 31. EXPERIMENTAL PSYCHOLOGY. A.B. Bowdoin Col, 53; Edinburgh, 53-54; M.A. Columbia, 55, Ph.D. (psychol), 59. Asst. prof. PSYCHOL, Barnard Col, Columbia, 58-62; Fulbright prof, São Paulo, 62-63; assoc. prof, Brasília, 63-64; ARIZONA STATE, 64-68, PROF, 68- Res. assoc. Brown, 62-; Fulbright lectr. & res. grant, 62-63; co-prin. investr. U.S. Pub. Health Serv. res. grant, 66-70. AAAS; Psychol. Asn; Psychonomic Soc. Learning theory; operant conditioning; generalization and discrimination; schedules of reinforcement; programmed instruction. Publ: Generalization of auditory intensity as a function of amount of discrimination training, J. Exp. Anal. Behav, 61; Técnicas de Linhas base comportamental, J. Brasileira Psicologia, 64; co-auth. Discrimination formation as related to the amount of S^e training, Psychonomic Sci, 64. Address: Dept. of Psychology, Arizona State University, Tempe, Ariz. 85281.

SHERMAN, DR. JULIA A. (MRS. STANLEY G. PAYNE), b. Akron, Ohio, Mar. 25, 34; m. 61. CLINICAL PSYCHOLOGY. B.A. Western Reserve, 54; M.A. & Ph.D. (clin. psychol. res), Iowa, 57. Asst. clin. psychol. Iowa, 55-56; & trainee, Vet. Admin, 56-57; U.S. Pub. Health Serv. fel. Iowa State Psychopath. Hosp, 57-58; clin. psychologist, Minneapolis Vet. Admin. Hosp, 58-60; Minneapolis Clin. Psychiat. & Neurol, 60-65; Neumeier Found. admin. proj. consult. Princl. Serv. Corp, Calif, 65-66; WRITING & RES, 66- Teaching assoc. Minnesota, 60. Dipl. Am. Bd. Exam. Princl. Psychol, 62. Psychol. Asn. Psychodiagnosis and psychotherapy of adults and adolescents; personality theory; psychopathology; psychology of women. Publ: Co-auth. Changes in the gradient of stimulus generalization as a function of two procedural variations, Psychol. Reports; auth. Problem of sex differences in space perception and aspects of intellectual functioning, Psychol. Rev, 7/67. Address: 3917 Plymouth Circle, Madison, Wis. 53705.

SHERMAN, DR. LEWIS J (OSEPH), b. New York, N.Y. Apr. 6, 27; m. 54; c. 3. PSYCHOLOGY. B.S. City Col. New York, 50; M.S. Illinois, 52; Ph.D. (psychol), 54. Clin. psychologist, Vet. Admin. Ment. Hyg. Clin. Detroit, Mich, 54-56; coordinator, res. psychol. VET. ADMIN. HOSP, BROCKTON, MASS, 56-60, clin. psychol, 60-61, CHIEF PSYCHOL. SERV, 61- Lectr. Michigan, 56-57; Bridgewater Col, 58-; res. assoc. Harvard Med. Sch, 58-; lectr. Boston, 58-59, clin. assoc, 60-, vis. assoc. prof, 66-67. Assoc. psychologist, McLean Hosp, 58- Consult, State Dept. Corrections, Mass, 58-; sr. clin. psychol. consult, Beth Israel Hosp, 66- U.S.N, 45-46. Psychol. Asn. Psychological determinants of reactions to tranquilizing drugs; community psychology; research in schizophrenia. Publ: The significant variables in psychopharmacological research, Am. J. Psychiat; Retention in psychopathic, neurotic and normal subjects, J. Personality; Prognosis in schizophrenia, Arch. Gen. Psychiat, 64. Address: 9 Madison Ave, Sharon, Mass. 02067.

SHERMAN, DR. MANDEL, Exp. Psychol, see 11th ed, Phys. & Biol. Vols.

SHERMAN, DR. MURRAY H (ERBERT), b. New York, N.Y. Aug. 19, 22; m. 51. CLINICAL PSYCHOLOGY. A.B. Wayne, 43; Ph.D. (psychol), Columbia, 51. Asst. Teachers Col, Columbia, 46-47; clin. psychologist, Harlem Valley State Hosp, 47-48; Bellevue Psychiat. Hosp, 48-49; ed. clin. City Col. New York, 49-51; chief psychologist, U.S. Naval Hosp, Camp LeJeune, N.C. 51-53; sr. psychologist, psychiat. clin. Magistrates Courts, N.Y. 54-57; psychologist, Children's Court, 57-62; CHIEF PSYCHOLOGIST, JEWISH FAMILY SERV, 62-; CLIN. PSYCHOLOGIST, 48- Lectr. Hunter Col, 60-62; grad. sch. ed. Yeshiva, 60-63. Consult, Bronx Psychiat. Hosp, 56-57; res. consult, Ferkau Grad. Sch. Ed, 63- U.S.A, 43-45. Psychol. Asn. Psychoanalysis; psychotherapy; psychodiagnostic testing. Publ: Ed. Rorschach reader, Int. Univ, 60; Psychoanalysis in America: historical perspectives, C.C. Thomas, 66; co-auth. Roles and paradigms in psychotherapy, Grune, 68. Address: 350 Central Park W, New York, N.Y. 10025.

SHERMAN, PROF. R (ALPH) W (ALTER), b. Ohio, Apr. 27, 03. AGRICULTURAL ECONOMICS. B.S. Ohio State, 29, M.S. 32, Ph.D. 47. Asst. econ. OHIO STATE, 29-30, rural econ, EXP. STA, 30-41, 42-47, assoc. 47-, instr. AGR. ECON, 42-46, asst. prof, 47-49, from assoc. prof. to PROF, 49- Consult, Battelle Mem. Inst, 67; Volt Tech. Corp, 67- Agr. Econ. Asn. Agricultural marketing. Address: Dept. of Agricultural Economics, Ohio State University, 2120 Fyffe Rd, Columbus, Ohio 43210.

SHERMAN, PROF. RICHARD U (PDIKE), JR. b. Utica, N.Y. Sept. 28, 14; m. 41; c. 6. ECONOMICS. A.B. Williams Col, 36; Harvard, 36-37, A.M. 39, Ph.D. (econ), 53; Columbia, 38; Indust. Col. Armed Forces, 49-50. Jr. economist, domestic res. dept, Fed. Reserve Bank, N.Y. 39-40; jr. econ. analyst statistician, War Dept, D.C. 40; jr. economist, Adv. Cmn. to Coun. Nat. Defense, 40-41; indust. analyst, Off. Prod. Mgt, 41-42; chief navy-maritime br. mil. div. bur. progs. & statist. War Prod. Bd, 42-45; dir. reporting & statist. div. & ed. Monthly Report on Civilian Prod, Civilian Prod. Admin, 45-47; economist, mkt. res. dept, Fuller & Smith & Ross, Ohio, 47-48; asst. to v.chmn. Nat. Security Resources Bd, D.C. 48-49; economist, ops. res. off. Hopkins, 50-61; PROF. ECON, OHIO STATE, 61- Mem. faculty, Nat. War Col, 64-65. Consult, Battelle Mem. Inst, 63- Econ. Asn. Economics of national security; government and business; international economic relations; foreign aid; economic warfare; disarmament. Publ: Formulation of military requirements for munitions and raw materials; Chap. In: Economics of research and development, Ohio State Univ, 65. Address: 3862 Waldo Place, Columbus, Ohio 43221.

SHERMAN, DR. ROGER, Speech, see 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.

SHERMAN, DR. ROGER, b. Jamestown, N.Y. Sept. 10, 30; m. 53; c. 2. ECONOMICS, SOCIAL PSYCHOLOGY. B.S. Grove City Col, 52; Colorado, 56; M.B.A. Harvard, 59; IBM fel. Carnegie-Mellon Univ, 64, M.S. 65, Ph.D. (econ), 66. Mgr. mfg. standards, supplies div, IBM Corp, 59-60, mgt. mfg. control, 60-62; ASST. PROF. ECON, VIRGINIA, 65- U.S.N, 52-56, Lt. Econ. Asn; Royal Econ. Soc. Address: Dept. of Economics, University of Virginia, Charlottesville, Va. 22903.

SHERMAN, PROF. ROY V (IVIAN), b. Kellerton, Iowa, Jan. 29, 02; m. 27; c. 3. POLITICAL SCIENCE. A.B. Iowa, 25, A.M. 26, Ph.D. 27. Asst. prof. POLIT. SCI, Kentucky, 27-29; from asst. prof. to prof. head dept. & chmn. soc. sci. div. AKRON, 29-67, EMER. PROF, 68- Prof. Col. Emporia, 68- Polit. Sci. Asn; Soc. Pub. Admin; Govt. Res. Asn; Pub. Personnel Asn; Acad. Polit. & Soc. Sci. Municipal government; municipal electorate in Iowa. Address: Dept. of Political Science, University of Akron, Akron, Ohio 44304.

SHERMAN, DR. RUTH L (AUBGROSS), Psychol, see 10th ed, Soc. & Behav. Vols.

SHERMAN, DR. SUSAN R (OTH), b. New York, N.Y. Oct. 5, 39; m. 63; c. 1. SOCIAL PSYCHOLOGY. A.B. Chicago, 60; Woodrow Wilson fel. California, Berkeley, 60-61, Nat. Sci. Found. fel, 63-64, Ph.D. (psychol), 64. ASST. PROF. PUB. HEALTH, CALIFORNIA, LOS ANGELES, 64- Psychol. Asn; Soc. Psychol. Study Social Issues. Attitudes and attitude change methodology; social gerontology; political behavior; culture and personality; environmental influences on mental health. Publ: Co-auth. Retirement housing

- in California, Diablo, 66, auth, Demand characteristics in an experiment on attitude change, *Sociometry*, 67; Psychological effects of retirement housing, *Gerontologist*, 68. Address: School of Public Health, University of California, Los Angeles, Calif. 90049.
- SHERMAN, PROF. WILLIAM R(ODERICK), b. Newport, R.I., June 9, 92. ECONOMICS. A.B. Clark, 13, A.M. 14, Ph.D. 23. Asst. prof. ECON, De Pauw, 21-25, assoc. prof. 25-28, PROF. 28-31; HILLSDALE COL, 31- Vis. prof. Carleton Col, 29-30; observer, U.S. Weather Bur, 42- Mem. local panel, Off. Price Admin. 46. C.W.S. U.S.A. 18-19. Econ. Asn; Mkt. Asn. Diplomatic and commercial relations of the United States and Chile; international relations; foreign trade and markets. Address: 98 N. Norwood Ave, Hillsdale, Mich. 49242.
- SHERRARD, ALFRED, b. Swampscott, Mass. Oct. 21, 15; m. 47. ECONOMICS. S.B. Harvard, 37; Soc. Sci. Res. Coun. fel. Chicago, 37-39; M.A. Columbia, 39. Sr. economist, Off. Econ. stabilization, 45-46; economist, bd. governors, Fed. Reserve Syst, 46-48; assoc. prof. econ, American Univ, 48-56; ECONOMIST & WRITER, 56- Econ. Asn. Economic theory. Publ. Advertising, product variation, and the limits of economics, *J. Polit. Econ.* Address: 305 N. Washington St, Alexandria, Va. 22314.
- SHERRICK, DR. CARL E(DWIN), JR, b. Carnegie, Pa, Oct. 28, 24; m. 54; c. 3. PSYCHOLOGY. B.S. Carnegie Inst. Tech, 48; M.A. Virginia, 50, Ph.D.(psychol), 52. Res. assoc. Virginia, 52-53; asst. prof. Washington (St. Louis), 53-59; res. assoc. Cent. Inst. for Deaf, St. Louis, Mo, 59-61; Virginia, 61-62; RES. PSYCHOLOGIST, PRINCETON, 62- Mem. cmt. hearing and bioacoustics, Nat. Acad. Sci-Nat. Res. Coun, 65-67; communicative sci. study sect, Nat. Insts. Health, 67- Sig.C, U.S.A. 44-46. Psychol. Asn; Psychonomic Soc. Sensory psychology; psychophysics; communication problems of a sensory nature. Publ. Variables affecting the sensitivity of the human skin to mechanical vibration; Auditory threshold shifts produced by simultaneously pulsed contralateral stimuli; co-auth. Perceived order in different sense modalities, *J. Exp. Psychol.* 61. Address: Dept. of Psychology, Princeton University, Green Hall, Princeton, N.J. 08540.
- SHERIFFS, DR. A(LEXANDER) C(ARLTON), b. San Jose, Calif, Dec. 14, 17; m. 48; c. 4. PSYCHOLOGY. A.B. Stanford, 39, Buckel fel, 40-42, M.A. 41, Biv. fel, 41-42, Ph.D.(psychol), 46. From lectr. & asst. to RES. ASSOC. GUID. STUDY, INST. CHILD WELFARE, CALIFORNIA, BERKELEY, 44-, PROF. PSYCHOL, UNIV, 62-, V.CHM.N. DEPT, 67-, instr. psychol, 46-47, from asst. prof. to assoc. prof, 47-62, v.chancellor student affairs, 58-66. Lectr. Univ. California Hosp, 45-46. Spec. asst. for ed, Governor of Calif, 68- AAAS; Psychol. Asn. Experimental study of personality and psychotherapy; personality and mental tests; sex role stereotypes and effects in behavior. Address: Dept. of Psychology, University of California, Berkeley, Calif. 94720.
- SHERRILL, PROF. GEORGE R(AYMOND), Polit. Sci, see 10th ed, Soc. & Behav. Vols, deceased 63.
- SHERRY, PROF. ARTHUR HARNETT, b. Berkeley, Calif, Mar. 10, 08; m. 49; c. 3. LAW, CRIMINOLOGY. A.B. St. Mary's Col.(Calif), 29; J.D. California, 32. Chief asst. attorney general criminal div, State Dept. Justice, Calif, 51-53; PROF. LAW & CRIMINOL, CALIFORNIA, BERKELEY, 53-, acting dean criminol, 60-61. Proj. dir, surv. admin. criminal justice, Am. Bar Asn, 54-58; Calif. Penal Code Revision Proj, 64- Chmn, Attorney General Adv. Cmn. Criminal Statist, 53-; Cmn. Insanity & Criminal Offender, 60-; mem. int. adv. bd, comparative criminal law proj, N.Y. Univ, 60- Soc. Criminol; Law Inst; Acad. Forensic Sci. Operations and administration of criminal justice; control and disposition of the mentally disordered criminal offender. Publ: Law of arrest, search and seizure; Plan for survey of the administration of criminal justice in the United States. Address: Dept. of Criminology, Boalt Hall, University of California, Berkeley, Calif. 94720.
- SHERRY, GEORGE L(EON), b. Lodz, Poland, Jan. 5, 24; nat; m. 47; c. 1. POLITICAL SCIENCE. B.A. City Col. New York, 44; M.A. Columbia, 51, M.A. & cert, Russian Inst, 55. Interpreter, UN, 46-56, sr. interpreter, 56-62, polit. affairs officer, dept. polit. & security coun. affairs, 59-62, SR. OFFICER, OFF. UNDER-SECY-GEN. SPEC. POLIT. AFFAIRS, 62- UN assignments, acting rep, Elisabethville, Congo, 62-63, prin. polit. adv. Leopoldville, 64, sr. polit. adv. Cyprus, 64-65, adv. to chief officer, India-Pakistan Observation Mission, 65-66. Spec. lectr. Russian Inst, Columbia, 56-57, assoc. univ. seminar prob. of peace, 66- Polit. Sci. Asn; Asia Soc. International organization affairs; Soviet studies; political theory. Address: 185 E. 85th St, New York, N.Y. 10028.
- SHERRY, DR. LEOPOLD U(RIEL), b. Boston, Mass, Nov. 29, 06; m. 47; c. 1. CLINICAL PSYCHOLOGY, COUNSELING. A.B. Harvard, 26; Ph.D. California, Los Angeles, 59. STAFF PSYCHOLOGIST, VET. ADMIN. HOSP, BRENTWOOD, 59- Psychol. Asn. Clinical psychological testing; physiological reaction to drug therapy; counseling psychology. Address: 12330 Cloud Lane, Los Angeles, Calif. 90049.
- SHERWIN, DOUGLAS S(IMON), b. Pittsburgh, Pa, Apr. 16, 18; m. 46; c. 2. ECONOMICS. B.S. Pa. State, 40; B.A. Oxford, 51, M.A. 55. Chem. engr, Reilly Tar & Chem. Corp, N.J. 40-42; proc. engr, natural gasoline & gas dept, Phillips Petrol. Co, Okla. & Tex, 42-47, eng. econ. analyst, Phillips Chem. Co, 51, head eng. econ. anal. sect, 51; technologist, prod. control br, Reconstruct. Finance Corp, D.C. 52, chief br, 53-54; secy, Fed. Facilities Corp, chmn. mgt. improvement cmt, alternate mem. mgt. cmt. & mem. mgt. adv. submt, U.S. Dept. Treas, 54-55; asst. coordinator, rubber chem. div, Phillips Chem. Co, PHILLIPS PETROL. CO, 55-57, mgr. mkt. res. & commercial develop, plastics sales div, 57-63, mgr. commercial develop. plastics & elastomers, chem. dept, 63-64, V.PRES. & GEN. MGR, PHILLIPS PROD. CO, INC, DEXTER, 65- Chief secretariat br, manpower div, Off. Mil. Govt, Germany, 48-49; chem. engr, indust. div, Off. Mil. Govt. & U.S. High Cmnr. for Germany, 49-50. Econ. Asn; Chem. Soc; Inst. Chem. Eng. Organization and management; marketing; engineering economics; chemical engineering. Publ: Meaning of control, *Dun's Rev. & Mod. Indust*; Job of job evaluation, *Harvard Bus. Rev*; Snelling marketing ideas, In: *Effective marketing action*, Harper & Bros, 58. Address: 340 Barton Shore Dr, Ann Arbor, Mich. 48105.
- SHERWOOD, PROF. CLARENCE C, b. Weehawken, N.J., Apr. 9, 20; m. 51; c. 2. SOCIOLOGY. B.A. N.Y. Univ, 48, Ph.D.(sociol), 55. Dir. Morning-side Heights Crime Prev. Prog, 55-61; consult, N.Y. State Div. Youth, 61-62; dir. res, Action Boston Community Develop, 63-66; DIR. RES, NEW YORK CITY DEPT. CORRECTION, 66-; PROF. SOCIOL, JOHN JAY COL, CITY UNIV. NEW YORK, 66- U.S.A.A.F. 43-45. Sociol. Asn. Criminology; juvenile delinquency; social and action research; program evaluation. Address: Dept. of Sociology, John Jay College of Criminal Justice, City University of New York, 315 Park Ave. S, New York, N.Y. 10021.
- SHERWOOD, DR. EMILY J(ANE), b. Sharon, Pa, Aug. 8, 23. PSYCHOLOGY. B.A. Temple, 48, fel, 48-50, M.Ed. 50, Ph.D.(psychol), 57. Instr. sci, Temple, 50-54, psychol, 54-57; asst. prof. Drexel Inst, 57-62, assoc. prof, 62-64; ASSOC. PROF. PSYCHOL. & ASST. DIR. COUNSELING CENTER, TEMPLE, 64- Psychologist, Univ. High Sch, Temple, 57-64. Educational, vocational and personal counseling. Address: Dept. of Psychology, Temple University, Philadelphia, Pa. 19122.
- SHERWOOD, DR. FOSTER H(ALL), b. Golden, Colo, Apr. 6, 16; m. 40; c. 2. POLITICAL SCIENCE. A.B. California, Los Angeles, 38, Ph.D., 41; hon. LL.D. Colgate, 63. Res. fel, Brookings Inst, 41-42; exec. officer, U.S. Govt, 42-43; instr. POLIT. SCI, CALIFORNIA, LOS ANGELES, 43-45, lectr, 45-46, asst. prof, 46-50, assoc. prof, 50-56, PROF, 56-, V.CHANCELLOR ACAD. AFFAIRS, 60-, chmn. dept. polit. sci, 59-60. Res. fel, Haynes Found, Calif, 49-50; sr. researcher, U.S. Ed. Cmn, U.K. 49-50; res. fel, Rockefeller Found, 56-57. Mem. West. Interstate Cmn. Higher Ed, 59-68. Polit. Sci. Asn; Soc. Int. Law. Administrative and international law; legal theory. Publ: Mandamus to review state administrative action, *Mich. Law Rev*; Foreign relations and the constitution & judicial control of administrative discretion, *West. Polit. Quart.* Address: Chancellor's Office, University of California, Los Angeles, Calif. 90024.
- SHERWOOD, PROF. FRANK P, b. Brunswick, Ga, Oct. 11, 20; m. 48; c. 2. PUBLIC ADMINISTRATION, POLITICAL SCIENCE. A.B. Dartmouth Col, 42; American Univ, 43; Nat. Inst. Pub. Affairs, 43; Oxford, 45-46; M.S. Southern California, 50, Ph.D.(polit. sci), 52. Vis. prof. polit. sci, Oregon, summer 51; asst. prof. PUB. ADMIN, SOUTHERN CALIFORNIA, 51-54, as- soc. prof, 54-59, PROF, 59-, DIR. SCH. PUB. ADMIN, 67-, acting dean pub. admin, 61-62, chief vis. party, Brazil, 62-63. Consult, various agencies, U.S. Govt, 54-; govts. Iran, 57-58, Brazil, 60, Turkey, 61. Mem. bd, Inter-Univ. Case Progs, 61- Laverne Burchfield award, Pub. Admin. Rev, 63. U.S.A. 43-46, 1st Lt. Soc. Pub. Admin; Polit. Sci. Asn; Int. City Mgr. Asn. Administrative theory; institution building; financial administration. Publ: Co-auth, Administrative organization, Prentice-Hall, 60; auth, Institutionalizing Brazil's grass roots, Chandler Pub, 67; co-auth, The California system of governments, Dickenson Pub. Co, 68. Address: School of Public Administration, University of Southern California, Los Angeles, Calif. 90007.
- SHERWOOD, DR. JOHN J(OSEPH), b. San Francisco, Calif, May 18, 33; m. 56; c. 3. SOCIAL PSYCHOLOGY, ADMINISTRATIVE SCIENCES. B.A. Stanford, 59; Ph.D.(soc. psychol), Michigan, 62. Asst. study dir, res. center group dynamics, inst. soc. res, Univ. Michigan, 59-62; asst. prof. psychol, Eastern Michigan, 62-63; Carleton Col, 63-64; SOC. PSYCHOL. & ADMIN. SCI, PURDUE, 64-66, ASSOC. PROF, 66- Teaching fel. psychol, Michigan, 61-62, instr. & lectr, 62-63; summers, behav. sci. intern, Nat. Inst. Ment. Health fel, Nat. Training labs, 62; spec. instr, Minnesota, 64. Consult, Gen. Motors Corp, Fed. Aviation Agency, Nat. Park Serv, Peace Corps, First Bank Stock Corp. & Am. Int. Oil Co. Mem. Inst. Appl. Behav. Sci, Nat. Training Labs; Midwest Group Human Resources. Med.C. U.S.A. 55-57. Psychol. Asn; fel. Sociol. Asn; Soc. Psychol. Study Social Issues; Soc. Study Social Probs. Organizational behavior; personality and social interaction; human relations. Publ: Co-auth, The study of attitude change, Brooks/Cole, 68; auth, Self identity and referent others, *Sociometry*, 65; Predicting the conclusions of Negro-white intelligence research from biographical characteristics of the investigator, *J. Personality & Soc. Psychol.* 68. Address: Krannert Graduate School of Industrial Administration, Purdue University, Lafayette, Ind. 47907.
- SHETTEL, HARRIS H(ARLAN), JR, b. Washington, D.C., Apr. 27, 26; m. 52; c. 2. PSYCHOLOGY. B.A. George Washington, 50; M.A. Wayne State, 52. Res. psychologist, mil. training, Air Force Personnel & Training Res. Center, 52-55; proj. supvr. indust. training, Perceptual Develop. Lab, 55-59; res. scientist auto-instructional methods, AM. INSTS. RES, 59-65, DIR. INSTRUCTIONAL DEVELOP. PROG, 65- U.S.A.A.F. 44-46. AAAS; Psychol. Asn; Ed. Res. Asn. Development of auto-instructional methodology and its application to education and training; development of training materials and job performance aids to facilitate human performance in complex, man machine systems. Publ: Objectives, ours and theirs, 64 & Developing a computer-directed program to teach a computer language, 66, *NSPI Jour*; Evaluation of existing criteria for judging the quality of science exhibits, *AV Commun. Rev*, winter 66. Address: American Institutes for Research, 135 N. Bellefield Ave, Pittsburgh, Pa. 15213.
- SHEVENELL, DR. RAYMOND H(ENRY), b. Rollinsford, N.H., Apr. 20, 08. PSYCHOLOGY. B.L. Montreal, 27; B.A. Ottawa, 29, L.Ph. 31, M.A. 46, Ph.D. 49; hon. Ph.D. Sherbrooke, 67. Instr. philos, OTTAWA, 38-41, PSYCHOL, 41, assoc. prof, 41-44, PROF, 44-, DEAN FACULTY, 55-, dir. inst, 51-55. Dipl. Am. Bd. Exam. Prfnl. Psychol, 51. AAAS; Am. Psychol. Asn; Psychomet. Soc; Personnel & Guid. Asn; fel. Can. Psychol. Asn(hon. pres, 67-68). Problems of bilingualism; development and use of personal documents. Publ: Otis-Ottawa tests for mental ability; Method of research; Classification scale. Address: Faculty of Psychology, University of Ottawa, Ottawa, Ont, Can.
- SHEVITZ, DR. REUBEN NATHAN, b. Baltimore, Md, Jan. 13, 27; m. 49; c. 3. INDUSTRIAL PSYCHOLOGY. B.A. Maryland, 50, M.A. 53; fel, Ohio State, 54-55, Ph.D. 55. Res. assoc, Ohio State, 53-54; asst. mgr. training, Eli Lilly & Co, Ind, 55-63, mgr. personnel develop. & employee commun, 63-65,

DIR. INDUST. RELS, ELI LILLY INT. CORP. 65- U.S.A.A.F. 45-46, Sgt. Psychol. Asn. Leadership; attitudes; group behavior; measurement and evaluation. Publ: Leadership acts; co-auth. Word association as a function of word frequency. Am. J. Psychol; Attempts to lead, group productivity and morale under conditions of acceptance and rejection, J. Abnorm. & Soc. Psychol. Address: Eli Lilly International Corp, Henrietta House, Henrietta Place, London, W.1, Eng.

SHEVSKY, DR. ESHREF, b. Istanbul, Turkey, Feb. 14, 93; m. 39. SOCIOLOGY. Ph.D.(exp. med), Stanford, 22. Res. asst. med. sch, Stanford, 25-30; chief div. econ. survs, southwest region, U.S. Soil Conserv. Serv., 35-41; sociologist, Haynes Found, Los Angeles, Calif., 44-49; lectr. social, CALIFORNIA, LOS ANGELES, 50-53, vis. prof. SOCIOL. & ANTHROP., 53-54, prof., 54-61, EMER. PROF., 61- Dir, Tewa Basin Study. Anthropol. Asn; Sociol. Asn; Pop. Asn. Regional studies; industrialization of peasant areas; comparative sociology. Publ: Co-auth. Social areas of Los Angeles & Social area analysis; auth, Tewa Basin study. Address: 516 E. Marigold St, Altadena, Calif. 91001.

SHEVRIN, DR. HOWARD, Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

SHIBUTANI, PROF. T(AMOTSU), b. Stockton, Calif., Oct. 15, 20; div. SOCIOLOGY. A.B. California, 42; A.M. Chicago, 44, Soc. Sci. Res. Coun. fel., 46-48, Ph.D., 48. Instr. social, Chicago, 48-51; asst. prof., CALIFORNIA, Berkeley, 51-57, assoc. prof., SANTA BARBARA, 62-66, PROF. SOCIOL., 66-, co-dir, Nat. Inst. Ment. Health grad. training prog., 64- U.S.A., 44-46. AAAS; Sociol. Asn; Anthropol. Asn. Social psychology; ethnic relations. Publ: Society and personality, Prentice-Hall, 61; co-auth. Ethnic stratification, Macmillan, 65; auth, Improvised news, Bobbs, 66. Address: Dept. of Sociology, University of California, Santa Barbara, Calif. 93106.

SHICKMAN, DR. GERARD M(ENDEL), Exp. Psychol, see 11th ed, Phys. & Biol. Vols.

SHIDELER, DR. ERNEST H(UGH), b. Logansport, Ind., Mar. 20, 91. SOCIOLOGY. A.B. Ottawa (Kans.), 15; A.M. Chicago, 17, fel., 22-24, Ph.D., 27; Wisconsin, 21. Assoc. prof., Franklin Col., 20-22, prof., 25-34; asst., Chicago, 22-24; dir. state rural rehab. Gov. Cmn. Unemploy. Relief, Ind., 34-35; state dir, Resettlement Admin., 35-36; Farm Security Admin., 37-47; assoc. prof. commerce & chmn, Galesburg div, ILLINOIS, URBANA, 47-49, assoc. prof. SOCIOL., 49-59, EMER. ASSOC. PROF., 59- U.S.A., 17-19, Lt. Fel. Sociol. Asn. Collective behavior; group and community dynamics; juvenile delinquency and family disorganization. Publ: Group life and social problems; Family disintegration and the delinquent boy in the United States; The social distance margin. Address: 103 W. Florida Ave, Urbana, Ill. 61801.

SHIDELER, PROF. FRED M(ERLE), b. Girard, Kans., Sept. 23, 04; m. 29; c. 3. JOURNALISM. B.S. Kans. State Col., 27; M.S. Ore. State Col., 41. Asst. ed, Girard Press, Kans., 22-23; reporter, Cleveland Press, Ohio, 27; tel. ed, Manhattan Mercury, Kans., 27-28; Wichita Eagle, 28-29; instr. JOURNALISM & asst. news bur, OREGON STATE, 29-32, PROF., 32-, ASST. TO PRES. & DIR. UNIV. RELS., 67-, head dept. journalism, 32-67, dir. info., 53-67. Vis. instr., Oregon, 32; exec. asst. to Gov. Ore., 56. Asst. news ed, news bur, Off. War Info, 44. Asn. Ed. Journalism. Address: President's Office, Bexell Hall 101, Oregon State University, Corvallis, Ore. 97331.

SHIDEMAN, DR. F(REDERICK) E(ARL), Pharmacol, see 11th ed, Phys. & Biol. Vols.

SHIEH, PROF. FRANCIS, b. Shanghai, China, Feb. 7, 26; U.S. citizen; m. 55; c. 4. POLITICAL ECONOMY. A.B. St. John's (China), 46; scholar, San Francisco, 47-48; A.M. Georgetown, 50. Statistician, Farmers Ins. Group, Calif., 51-52; instr. lang. U.S. Army Lang. Sch., 53-54 & 56-57; acct. Int. Bus. Mach. Corp., 57-58; instr. econ, Immaculate Heart Col., 58-61; asst. prof., Aquinas Col., 61-64; mem. res. staff, Rand Corp., 64-65; chief compiler & spec. consult, Surv. & Res. Corp., D.C., 65-66; ASSOC. PROF. ECON. & COORDINATOR-HEAD DEPT. PRINCE GEORGE'S COL., 66- Economist, manpower admin, U.S. Dept. Labor, summer 66. Consult, Gen. Elec. Corp., 66; chief compiler & spec. consult, Dir. Chinese Communist Sci. & Res. Insts, Nat. Sci. Found. Econ. Asn. Economics; political science; China. Publ: A glimpse of the Chinese language, AD612722, 65 & Peking's image of Rand and Pentagon, AD626072, U.S. Dept. Commerce. Address: Prince George's College, Largo, Md. 20870.

SHIELDS, PROF. CURRIN V(ANCE), b. LaPorte, Ind., Feb. 18, 18; m. 41; c. 4. POLITICAL SCIENCE. A.B. Nebraska, 41; Ph.M. Wisconsin, 43; Cowles fel., Yale, 46-48, Ph.D., 50. Asst. polit. sci, Wisconsin, 41-43, asst. to dir. civil affairs training sch., 43-44; instr. polit. sci, Yale, 48-50; from asst. prof. to assoc. prof., California, Los Angeles, 50-60; PROF. GOVT. & HEAD DEPT. & DIR. INST. GOVT. RES, ARIZONA, 60- Vis. lectr., Wisconsin, 55. Instr., Provost Marshal General's Sch., Ft. Sam Houston, Tex., 44-46. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Modern political thought; the authority of the War Labor Board. Publ: Democracy and Catholicism in America; ed, On liberty & Representative government. Address: Dept. of Government, University of Arizona, Tucson, Ariz. 85721.

SHIELDS, PROF. J(OHN) H(ERMAN), b. Glen Rose, Tex., Feb. 2, 98. ACCOUNTING. A.B. Texas, 20, A.M. 21; Columbia, 24-26. Pub. acct., 23; from instr. to EMER. ASSOC. PROF. ACCT, DUKE, 26- Controller in modern industry; business organization, economics and accounting. Address: Dept. of Accounting, Duke University, Durham, N.C. 27706.

SHIELDS, MURRAY, b. Bonham, Tex., Jan. 2, 02. ECONOMICS. B.B.A. Texas, 25. Asst. economist, Procter & Gamble Co., 25-26; econ. statistician, Good-year Tire & Rubber Co., 26-27; dir. trade surv. bur., Tanners Coun. Am., 28-29; asst. prof. & asst. dir. bur. bus. res, Pittsburgh, 29-31; economist, Irving Trust Co., 31-44; economist & v-pres, Bank of Manhattan Co., 44-55; chmn, MacKay-Shields Econ. Inc., 55-67; RES. & CONSULTING ECONOMIST, 67- Consult, Secy. of Treas, Wash, D.C., 42-44. Dir, Nat. Bur. Econ. Res., 49-; coun, Nat. Indust. Conf. Bd; trustee, Bowery Savings Bank; dir. Poll-

man Inc. Econ. Asn; Statist. Asn; Conf. Bus. Econ.(past chmn). Planning. Address: P.O. Box 1054, Weston, Conn. 06880.

SHIELDS, PROF. MURRAY W(ILLIAM), b. Salt Lake City, Utah, Dec. 18, 98; m. 31; c. 6. ECONOMICS. A.B. Utah, 21, A.M. 25; California, 25-27; Ph.D., Washington (Seattle), 34. Prof. bus. admin, Alaska, 34-46; assoc. prof. ECON, FLORIDA, 46-49, PROF., 49- Mem, Economists' Nat. Cmt. Monetary Policy, 47-; Consumer Union's Nat. Ed. Adv. Cmt., 48-; Nat. Adv. Policy Cmt, United Shareholders of Am, Inc., 64- U.S.A., 18. Econ. Asn; Asn. Ed. Int. Bus. Foreign trade; consumer economics; an analysis of current economic problems. Address: 314 Matherly Hall, University of Florida, Gainesville, Fla. 32601.

SHIELDS, THOMAS K(EELER), b. Chicago, Ill., Oct. 20, 18; m. 50; c. 1. ECONOMICS, POLITICAL SCIENCE. A.B. Redlands, 39; Nat. Inst. Pub. Affairs, 39-40; California, 55-56; M.A. American Univ., 56. Asst. economist, U.S. Dept. Agr., 40-42; orgn. & methods exam, U.S. War Assets Admin., 46-47; admin. analyst, City of Los Angeles, Calif., 47-51; admin. specialist, U.S. DEPT. STATE, 51-55, first secy, FOR. SERV., U.S. Embassy, Bolivia, 56-58, financial reporting officer, Argentina, 59, asst. chief econ. develop. div, D.C., 60-63, chief econ. sect, AM. EMBASSY, Quito, Ecuador, 63-66, ECON. COUNSR. SEOUL, KOREA, 66- U.S.A.A.F. 42-46. Econ. Asn. International economic affairs, particularly economic development and financial policy. Address: Foreign Service, U.S. Dept. of State, Washington, D.C. 20520.

SHIFFLER, DR. NEIL F(REDERICK), b. Altoona, Pa., Aug. 15, 22; m. 46; c. 5. BUSINESS MANAGEMENT. B.S. Wharton Sch, Pennsylvania, 48; fel., Michigan, 49, M.B.A., 50; Ph.D., Pittsburgh, 61. Salesman, Automotive Supply Co., 40-43; mkt. researcher, Bausch & Lomb Optical Co., 48-49; ASSOC. PROF. ECON. & CHMN. DEPT. BUS. ADMIN, BUCKNELL, 50- Lectr., Pittsburgh, 55-56. U.S.A.A.F., 43-46. Econ. Asn; Arbit. Asn; Soc. Adv. Mgt; Acad. Mgt. Organization and policy aspects of business management; impact of technology in business organizations. Publ: Co-auth. Retailing; auth, Production control in a job order factory, Am. Soc. Mgt. Eng., 2/67; Technology and business organization, Adv. Mgt. J., 12/67. Address: Dept. of Economics, Bucknell University, Lewisburg, Pa. 17837.

SHIFLETT, PROF. V(ANCE) L(OUIS), b. McFall, Mo., July 8, 15; m. 52. POLITICAL SCIENCE, SOCIOLOGY. A.B. George Washington, 38, A.M., 41; Columbia, 47-48; Edinburgh, 52; Ph.D. Georgetown, 55. Instr. hist. & govt, D.C. Teachers Col., 48-50, asst. prof., 50-56, assoc. prof. govt. & social, 56-60, from prof. govt. & social. to prof. hist., 60-68; PROF. POLIT. SCI, FED. CITY COL., 68- Smith-Mundt lectr., Univs. Panama & Antioquia, Colombia, 58-59; lectr., Wash. Hosp. Center, 59-62; mem. NATO summer seminar, Univ. Grenoble, 61, Agnes Meyer Found. summer study grant in NATO capitals, 62. U.S.N., 42-46, Res. 46-, Capt. Polit. Sci. Asn; Hist. Asn. North Atlantic Treaty Organization as an instrument for political community. Publ: History of military transportation; Officer curriculum for military sea transportation service; Naval control of shipping, Bur. Naval Personnel, 67. Address: 6013 Southport Dr, Bethesda, Md. 20014.

SHIKOH, DR. M(IRZA) M(UZAFFAR), b. Tonk, India, Jan. 20, 19; m. 57; c. 3. POLITICAL SCIENCE, GEOLOGY. B.A. Delhi, India, 40; M.A. Nagpur, 47; A.M.(polit. sci), Missouri, 51, A.M.(geol.), 56; Ph.D.(polit. Sci), N.Y. Univ., 60. Asst. depts. indust. & civil supplies & pub. works, Govt. of India, 43-44; PUB. INFO. OFFICER, UN RADIO, 54-; LECTR. HIST, RUTGERS, 66- Correspondent & commentator, Voice of Am. & Int. Motion Pictures, U.S. Info. Serv., 51-; instr., Adelphi, 60-63, asst. prof., 63-66; lectr., N.Y. Univ., 61, instr. polit. sci., 61-63. Polit. Sci. Asn; Hist. Asn. Kashmir problem in the United Nations; constitutional development in Pakistan and paleogene strata in Western Pakistan. Address: Apt. 12C, 200 W. 108th St, New York, N.Y. 10025.

SHILLING, DR. NED, b. Walton, Ind., June 11, 24; m. 55. ECONOMICS, STATISTICS. B.S. Purdue, 49; Ford Found. fel. & M.A., Columbia, 55, Ph.D. (econ), 64. Lectr. statist, Columbia, 56-61; asst. dir. center for res, P.A. STATE, 61-68, ASSOC. PROF. STATIST, COL. BUS. ADMIN, 68- U.S.A., 42-45, Sgt. Econ. Asn; Statist. Asn. Regional business conditions analysis; application of statistics to decision making. Publ: Program for Eastwick housing market development analysis. Address: Pennsylvania Furnace, Pa. 16865.

SHILLINGLAW, PROF. GORDON, b. Albany, N.Y., July 26, 25; m. 50. ECONOMICS. A.B. Brown, 45; M.S. Rochester, 48; fel. Harvard, 49-51, Ph.D. (econ), 52. Asst. prof., Hamilton Col., 51-52; consult, Joel Dean Assocs., 52-55; asst. prof. indust. mgt, Mass. Inst. Tech., 55-61; PROF. ACCT, GRAD. SCH. BUS. COLUMBIA, 61- Prof. Mgt. Develop. Inst., Lausanne, Switz., 64-65 & 67-69. U.S.N. 43-46, Lt.(jg). Econ. Asn; Nat. Asn. Acct; Am. Acct. Asn.(v-pres, 66-67). Controllershship; business economics; industrial organization. Publ: Cost accounting: analysis and control & co-auth. Accounting: a management approach, 64, Irwin; auth, Guides to internal profit measurement, Harvard Bus. Rev. Address: Graduate School of Business, Columbia University, 621 Uris Hall, New York, N.Y. 10027.

SHILOH, DR. AILON, b. Toledo, Ohio, Sept. 5, 24; m. 52; c. 3. ANTHROPOLOGY. B.A. New Mexico, 49; M.A. Michigan, 50; Ph.D.(anthrop), Dropsie Col., 58. Res. assoc. ANTHROP, pub. health, Hebrew Univ, Israel, 54-65; ASSOC. PROF, GRAD. SCH. PUB. HEALTH, PITTSBURGH, 66- Exec. mem. core cmt. Int. Union Health Ed., 66. U.S.N. 43-46. AAAS; Anthropol. Asn; Soc. Appl. Anthropol. Mid. East Studies Asn. N.Am. Medical anthropology; Middle East anthropology. Publ: The total institution: profiles of mental adaptation, Vet. Admin. 66; Peoples and cultures of the Middle East, Random, 68; Leprosy among the Hausa of northern Nigeria, Human Orgn., 65. Address: Dept. of Anthropology, University of Pittsburgh Graduate School of Public Health, Pittsburgh, Pa. 15213.

SHILS, DR. EDWARD B., b. Philadelphia, Pa., May 29, 15; m. 42; c. 3. POLITICAL SCIENCE. B.S. Pennsylvania, 36, M.A., 37, Ph.D.(polit. sci), 40. Res. assoc. inst. local & state govt, Pennsylvania, 37-38; Pa. Econ. League, 38-42; classification consult, City Coun, Phila., 42-43; budget dir, Vet. Admin., 46-48; chmn. soc. sci. dept, Community Col, Temple, 48-55; PROF.

INDUST. & ASSOC. CHMN. DEPT. GEOG. & INDUS. WHARTON SCH. PENNSYLVANIA, 56-, SECY. LABOR RELS. COUN. 60- Salary consult, Bd. Pub. Ed, Phila, 46-; ed. consult, Greater Phila. Movement, 51; consult, Wage Stabilization Bd, 52; Reorgn. State Retirement Funds, Gov. of Pa, 54; Phila. County Med. Soc; Small Bus. Admin. of U.S. Wash, D.C., 58; chief consult. & dir, Mayor's Cmt. Higher Ed, Phila, 56-58; Gov. Cmt. Higher Ed, metrop. St. Louis, 59-60; chief negotiator, Bd. Pub. Ed, Phila, Sch. Dist. Wilmington, & New Castle County, Del, 65-67. U.S.A. 43-46. Public and educational administration; labor relations; educational research. Publ: Finance and financial administration: Philadelphia School District; Automation and industrial relations, Holt, 63; co-auth, Teachers, administrators and collective bargaining, Crowell, 68. Address: 335 S. Woodbine, Pennsylvania Valley, Narberth, Pa. 19072.

SHIMBERG, DR. BENJAMIN, b. Rochester, N.Y., June 5, 18; m. 46; c. 2. PSYCHOLOGY. B.A. Rochester, 41; M.S. Purdue, 48, Ph.D. (psychol), 49. Assoc. dir, Opinion Panel Young People, Purdue, 47-49; asst. chief exp. & eval. serv. div. pub. health ed, U.S. Pub. Health Serv, 49-53; asst. to pres, eval. & res. ed. TV, ED. TESTING SERV, 53-55, dir. guid. inquiry, 55-60, dir. ed. rels. coop. test, div. 60-65, DIR. VOC. TECH. ED. PROJES, 65- U.S.A.A.F., 42-46. Fel. Psychol. Asn; Asn. Measurement & Eval. Guid. (pres, 65-67); Nat. Voc. Guid. Asn, Personnel & Guid. Asn; Nat. Coun. Measurement in Ed. Communication and influencing group behavior; guidance and counseling; tests and measurements; development and evaluation of vocational education programs. Publ: Co-auth, Meeting the test, Scholastic Mag. & Four Wind Press, 65; auth, Pretesting a nutrition filmstrip, Pub. Health Monogr; auth, Vocational education: is it more than education for a vocation?, In: Vocational education: prospectus for change, Adv. Coun. Ed. Commonwealth of Mass, 68. Address: 7 Burning Tree Lane, Trenton, N.J. 08638.

SHIMBERG, DR. EDMUND, Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

SHIMKIN, PROF. DEMITRI B(ORIS), b. Omsk, Siberia, July 4, 16; U.S. citizen; m. 43; c. 2. ANTHROPOLOGY, GEOGRAPHY. A.B. California, 36, Johnson scholar, 37-38, univ. fel, 38-39, Ph.D. (anthrop), 39. Fel. anthrop. & res. fel, inst. child welfare, California, 40-41; instr, Nat. War Col, 46-47; Soc. Sci. Res. Coun. fel. & mem. staff, Inst. Adv. Study, 47-48; lectr. soc. anthrop. & res. assoc, Russian Res. Center, Harvard, 48-53; from soc. sci. analyst to sr. res. specialist, U.S. Bur. Census, 53-60; PROF. ANTHROP. & GEOG. ILLINOIS, URBANA, 60- Harris Mem. Found. lectr, Chicago, 52; hon. lectr, U.S. Naval War Col, 53-; prof. lectr, George Washington, 55; hon. mem. faculty, Indust. Col. Armed Forces, 67- Mem. Nat. Res. Coun, 64-67; U.S. nat. cmt, Int. Biol. Prog, 65- U.S.A., 41-47, Col. Fel. AAAS; Anthropol. Asn; Asn. Am. Geog; Inst. Biol. Sci. Human ecological theory; adaptive problems of United States minorities and migrants; culture history of Northern Eurasia. Publ: Resource development and utilization in the Soviet economy, In: Natural resources and international development, Johns Hopkins, 64; Human ecology and resource management: an application to the Great Lakes, Great Lakes Res. Div, Univ. Michigan, Pub. 13: 3-12, 65; Pre-Islamic Central Asia, Can. Slavic Studies, 1: 618-39, 67. Address: Dept. of Anthropology, University of Illinois, Urbana, Ill. 61801.

SHIMONY, DR. ANNEMARIE ANROD, b. Frankfurt, Germany, Apr. 22, 28; nat; m. 51. ANTHROPOLOGY. B.A. Northwestern, 50; Ph.D. (anthrop), Yale, 58. Asst. int. rels, Princeton, 56-58; asst. prof. sociol, Mt. Holyoke Col, 58-61; from asst. prof. to ASSOC. PROF. SOCIOL. & ANTHROP. WELLESLEY COL, 61- Lectr, New Sch. Soc. Res, 58-59; Harvard, 59-61; summer, Soc. Sci. Res. Coun. grant-in-aid, 60. Anthropol. Asn. Iroquoian ethnology, particularly the problem of conservatism; problems of culture contact, acculturation and anthropological theory in general; African ethnology. Publ: Conservatism among the Iroquois at the Six Nations Reserve; Iroquois fortune tellers and their conservative influence. Address: Dept. of Sociology & Anthropology, Wellesley College, Wellesley, Mass. 02181.

SHIMOTA, DR. HELEN E(MMA), Psychol, see GROSS, DR. HELEN SHIMOTA.

SHIMP, DR. BENNETT, b. Greenfield, Ohio, Dec. 20, 03; m. 30; c. 2. PSYCHOLOGY. A.B. Ohio, 29, M.A., 36; Ph.D. (psychol), Ohio State, 47. PRES. CORY-PATTERSON MFG. CO, 34-; CONSULT, PERSONNEL MGT. SERVS, 53- Univ. fel, Ohio State, 48. Founder & ed, J. Musicology, 39; Int. Dir. Col, Univ. & Conservatory Music Teachers, 49. Psychol. Asn. Promotion of communication and co-operation across national and cultural boundaries through occupational interests; experimental esthetics. Address: 1550 Essex Rd, Columbus, Ohio 43221.

SHIMP, DR. CHARLES PATTERSON, b. Columbus, Ohio, Mar. 7, 39; m. 65; c. 1. PSYCHOLOGY. B. Sc, Ohio State, 61; Woodrow Wilson fel, Brown, 61-62, Nat. Sci. Found. fel, 62-65, Ph.D. (psychol), 65. Nat. Sci. Found. fel. PSYCHOL, Stanford, 65-66, U.S. Pub. Health Serv. fel, 66-67; ASST. PROF, UTAH, 67- Operant conditioning; mathematical models for learning and for optimal behavior. Publ: Probabilistically reinforced choice behavior in pigeons, 7/66, Reinforcement of least-frequent sequences of choices, 1/67 & The reinforcement of short interresponse times, 9/67, J. Exp. Anal. Behav. Address: Dept. of Psychology, University of Utah, Salt Lake City, Utah 84112.

SHIN, DR. KILMAN, b. Yeosu-city, Korea, Apr. 1, 33. ECONOMICS. B.A., Waseda Univ, Japan, 56, M.A., 58; M.A. Brown, 63; Ph.D. (econ), Connecticut, 65. Asst. prof. ECON, Denison, 55-66; State Univ. N.Y. Col. Plattsburgh, 66-67; ASSOC. PROF, BRIDGEPORT, 67- Econ. Asn; Economet. Soc. Economic theory; econometrics. Publ: National income and a balanced budget, Bull. Shinhan Acad. Inst. No. 8, 60; Contemporary economic systems and policies, Hang-Yang, 4/68. Address: Dept. of Economics, University of Bridgeport, Bridgeport, Conn. 06602.

SHINE, DR. LESTER (CALDWELL), II, b. Dallas, Tex, Apr. 9, 33. PSYCHOLOGY. B.A. Texas, 56; M.A. Southern Methodist, 63; Ph.D. (psychol), Ohio State, 65. Prod. methods engr, Temco Aircraft, 56; field actuary, State Bd. Ins, 57; actuarial asst, Great Southwest Life Ins. Co, 58-61; ASST. PROF. PSYCHOL, DAYTON, 65- Psychol. Asn. Experimental design; computer

programming; test selection methods; psychophysical research; audition; mathematical statistics. Publ: Co-auth, A table for determining the increase in mean criterion score by using a selection device, J. Indust. Psychol, 65; auth, The relative efficiency of test selection methods in cross-validation on generated data, Ed. & Psychol. Measurement, 66. Address: Dept. of Psychology, University of Dayton, Dayton, Ohio 45409.

SHINER, DR. J(OEL) L(EWIS), b. Frio Co, Tex, July 11, 19; m. 43; c. 1. ANTHROPOLOGY. B.A. California, Los Angeles, 48; Ph.D. (anthrop), Arizona, 55. Acting field dir. river basin surv, Pac. Coast area, 49-52; archaeologist, Colonial Natural Hist. Park, Nat. Park Serv, GA, 55-60; Ariz, 61-63; dir. field res. exped. to Sudan, Africa, SOUTHERN METHODIST, 63-66, ASSOC. PROF. ANTHROP, 67- Nat. Sci. Found. res. grant archaeology North. Sudan, 66-68. U.S.A.A.F., 42-46, Capt. Fel. Anthropol. Asn; Soc. Am. Archaeol; Int. Asn. Quaternary Res. Archaeology of North Africa; early man in North America; archaeology in the Pacific Northwest; southwestern archaeology. Address: Dept. of Anthropology, Southern Methodist University, Dallas, Tex. 75222.

SHINN, PROF. ALLEN M(AYHEW), JR, b. Pensacola, Fla, June 17, 37; m. 59; c. 2. POLITICAL SCIENCE. B.A., U.S. Naval Acad, 59; univ. fel, North Carolina, Chapel Hill, 64-65, Nat. Defense Ed. Act fel, 65-67, Nat. Sci. Found. fel, 67-68. Instr, polit. sci, North Carolina, Chapel Hill, 64-68; ASST. PROF. GOVT, TEXAS, AUSTIN, 68- U.S.N., 59-64, Res, 64-, Lt. Comdr. Polit. Sci. Asn. Research methodology in political science; international politics; civil-military relations. Address: Dept. of Government, University of Texas, Austin, Tex. 78712.

SHIPLEY, DR. ELIZABETH F(ULLAGAR), b. New York, N.Y., Apr. 14, 29; m. 54; c. 3. PSYCHOLOGY. B.A. Swarthmore Col, 51; Ph.D., Pennsylvania, 61. Asst. psychol, Pennsylvania, 52-55; mem. staff, div. sponsored res, Mass. Inst. Tech, 56-59; RES. ASSOC. PSYCHOL, PENNSYLVANIA, 60-; SR. SCIENTIST, EAST. PA. PSYCHIAT. INST, 63- Asst, Harvard, 57-59. AAAS; Psychol. Asn; Psychomet. Soc. Psychophysics; psycholinguistics. Address: 805 Hagys Ford Rd, Narberth, Pa. 19072.

SHIPLEY, DR. JOHN LANFAIR, b. Crandall, Tex, Oct. 21, 21; m. 46; c. 1. AGRICULTURAL ECONOMICS. B.S. Texas A&M, 42, M.Ed, 54, Ph.D. (agr. econ), 66. Instr. agr, Texarkana Col, 54-56; farm dir, KCMC Radio & TV, Tex, 56-57; asst. prof. agr, West Texas State, 57-62; asst. prof. agr. econ, Texas A&M, 63-65; RES. AGR. ECONOMIST, TEX. AGR. EXP. STA, BUSHLAND, 65- U.S.A., 42-46, Capt. Agr. Econ. Asn. Factors influencing participation in crop insurance; economics of agricultural water use; irrigation studies in high plains of Texas. Address: 6702 Jameson, Amarillo, Tex. 79106.

SHIPLEY, DR. THOMAS E(MLEN), JR, b. Philadelphia, Pa, Jan. 22, 25; m. 54; c. 1. PSYCHOLOGY. A.B. Pennsylvania, 50, M.A., 54, Ph.D., 56; Wesleyan, 50-51. Asst. instr. PSYCHOL, Pennsylvania, 55-56; instr, Harvard, 56-59; asst. prof, TEMPLE, 62-65, ASSOC. PROF, 66- Consult, Phila. Diag. & Relocation Serv. Corp, 62- AAAS; Psychol. Asn. Experimental psychopathology; thinking; projective techniques; social pathology; alcoholism. Address: Dept. of Psychology, Temple University, Philadelphia, Pa. 19122.

SHIPLEY, DR. THORNE, Psychol, see 11th ed, Phys. & Biol. Vols.

SHIPLEY, PROF. WALTER C(LEVELAND), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 66.

SHIPMAN, PROF. GEORGE A, b. Saratoga Springs, N.Y., Oct. 28, 03; m. 54; c. 2. GOVERNMENT. B.A. Wesleyan, 25, M.A., 26; Ph.D. (govt. pub. law), Cornell, 31. Asst. prof. polit. sci. & res. assoc, bur. govt. res, West Virginia, 30-35; res. assoc, local govt. surv, Princeton, 35-38; assoc. prof. polit. sci, Duke, 38-46; PROF. pub. admin, WASHINGTON (SEATTLE), 46-62, PUB. AFFAIRS & POLIT. SCI, 62-, DIR. INST. ADMIN. RES, 62-, dir. inst. pub. affairs, 48-62. Regional price coordinator, Off. Price Admin, 42, dir. training, 42-43; lectr, American Univ, 43-46; admin. analyst, U.S. Bur. Budget, 43-46. Consult, 33- Polit. Sci. Asn; Soc. Pub. Admin. Public policy formation and administration; organizational behavior; management planning and control. Publ: Co-auth, Medical service corporations in the state of Washington, Harvard. Address: Graduate School of Public Affairs, University of Washington, Seattle, Wash. 98105.

SHIPMAN, PROF. GORDON, b. Manawa, Wis, Apr. 19, 01; m. 28; c. 3. SOCIOLOGY. Univ. fel, Nebraska, 27-28; Carnegie fel, Columbia, 31-32; Ph.D. (polit. sci), Wisconsin, 32. Instr, Arkansas, 30-31; hist, Wis. State Teachers Col. (Oshkosh), 32-33; probation-parole officer, State Dept. Pub. Welfare, Wis, 34-46; head soc. sci. dept, Shurtleff Col, 46-49; assoc. prof. sociol, Wisconsin, Milwaukee, 49-56, prof, 56-66; PROF. SOCIOL. & CHMN. DEPT. SOCIOL. & ANTHROP, WIS. STATE, STEVENS POINT, 66- Sociol. Asn; Acad. Polit. & Soc. Sci; Nat. Coun. Family Rels. Corrections; marriage and family. Publ: Speech thresholds and voice tolerance in marital interaction, Marriage & Family Living, 8/60; A proposal for revising marriage license procedure, J. Marriage & Family, 5/65; The psychodynamics of sex education, Family Coordinator, 1/68. Address: 2536 Peck St, Stevens Point, Wis. 54481.

SHIPMAN, DR. WILLIAM DAVIS, b. Glen Ellyn, Ill, Nov. 15, 25; m. 55; c. 2. ECONOMICS. B.A. Washington (Seattle), 49, fel, 52; M.A. California, 50; Ph.D. (econ), Columbia, 60. Price economist, Off. Price Stabilization, 51-52; investment analyst, Brown Bros. Harriman & Co, 53-57; ASSOC. PROF. ECON, BOWDOIN COL, 57- Res. prof, Brookings Inst, 62. U.S.A., 43-46. Econ. Asn; Econ. Hist. Asn. Economics of electric power supply and rates; transportation economics. Publ: Inquiry into the high cost of electricity in New England. Address: Dept. of Economics, Bowdoin College, Brunswick, Maine 04011.

SHIPMAN, DR. W(ILLIAM) G(IBSON), b. Ottawa, Ont, Dec. 18, 26; m. 53; c. 2. CLINICAL PSYCHOLOGY. B.A. Western Ontario, 49; M.A. Toronto, 50; Ph.D. (clin. psychol), Pa. State, 54. Clin. assoc. psychol, Rochester, 54-55; staff psychologist, Staunton Clin, med. sch, Pittsburgh, 55-56, chief

psychologist of clin. & asst. prof. psychol. med. sch, 57-62; sr. res. psychologist, MICHAEL REESE HOSP, 62-66, CHIEF CLIN. PSYCHOLOGIST, 66- AAAS; Psychol. Asn; Soc. Proj. Tech; Psychosom. Soc. Projective techniques; personality measurement; psychosomatic conditions. Publ: The Rorschach body image barrier score, J. Abnorm. Soc. Psychol; Anxiety and depression in obese dieters, Psychosom. Med. Address: Michael Reese Hospital & Medical Center, 29th St. & Ellis Ave, Chicago, Ill. 60616.

SHIPPEY, PROF. FREDERICK A(LEXANDER), b. Rensselaer Co, N.Y., Aug. 21, 08; m. 38; c. 2. SOCIOLOGY. A.B. Syracuse, 35; B.D. Yale, 38; Ph.D. (sociol. of relig), Northwestern, 47; Paria, 60-61. Dir. res. & surv. Methodist Nat. Bd. Missions, N.Y., 44-53; PROF. SOCIOL. OF RELIG, DREW, 53-, faculty fel, 60-61. Sociol. Asn; Acad. Polit. & Soc. Sci; Soc. Sci. Study Rellig. Social ecology and stratification; urban sociology; sociology of religion; family life and institutions; community studies. Publ: Church work in the city, 52 & Protestantism in suburban life, 64, Abingdon; Methodist Church since unification, privately pub, 58. Address: 52 Fairview Ave, Madison, N.J. 07940.

SHIPTON, DR. JAMES M(ORRIS), b. Pittsfield, Mass, May 10, 24; m. 48; c. 3. SOCIAL PSYCHOLOGY. B.S. Mass. Inst. Tech, 45; Cornell, 51; Ph.D. Harvard, 55. Wage engr, Eastman Kodak Co, 46-47; consult. Human Rels, Inc, 48-50; lectr. & res. assoc. Harvard, 51-56; consult. adv. mgt. course, GEN. ELEC. CO, 56-57. mgt. develop. res, 58, mgr. adv. mgt. courses, 59-63. MGR. MKT. & PUB. RELS. PERSONNEL, 63- U.S.N.R. 44-46, Lt.(jg). Manager development; organizational behavior; public opinion. Address: 351 Elm Rd. Briarcliff Manor, N.Y. 10510.

SHIREY, PROF. GEORGE S, b. Punxsutawney, Pa, Feb. 22, 37. GEOGRAPHY. B.S. Slippery Rock State Col, 61; M.A. Miami (Ohio), 62; fel, Pittsburgh, 62-64. Instr. GEOG, Pittsburgh, 64-65; South. Conn. State Col, 65-66; ASSOC. PROF. CLARION STATE COL, 66- U.S.A. Asn. Am. Geog. Weather and climate modifications and changes. Address: Dept. of Geography, Clarion State College, Clarion, Pa. 16214.

SHIREY, PROF. W(ILLIAM) ARTHUR, b. Henry Co, Ind, Mar. 22, 04; m. 36; c. 1. SOCIOLOGY. A.B. DePauw, 26; Ball State Teachers Col, 26-27; A.M. Indiana, 32; Ph.D.(sociol), Duke, 51. Asst. prof. SOCIOL, DENVER, 46-51, ASSOC. PROF, 51-, chmn. dept, 50-67. Sociol. Asn; Asn. Marriage Counsr. Social problems; criminology; marriage and family counseling. Address: Dept. of Sociology, University of Denver, Denver, Colo. 80210.

SHIRLEY, PROF. DAVID E(DWIN), b. Pittsburgh, Pa, Nov. 25, 20; m. 47; c. 2. ECONOMICS PUBLIC ADMINISTRATION. A.B. Princeton, 43; M.A. Utah, 49; Ph.D. Southern California, 55. Instr. econ, San Diego State Col, 49-50; asst. prof. pub. admin, Southern California, 55-58; American Univ. Beirut, 58-59; assoc. prof. Southern California, 59-65; PROF. ECON, ARIZONA, 65-. DIR. DIV. ECON. & BUS. RES, 66-. Guest scholar, Brookings Inst, 62-63. Staff consult, Ariz. Joint Econ. Develop. Cmt, 66-67. U.S.N.R. 43-46, Lt.(jg). Econ. Asn; Soc. Pub. Admin, Nat. Tax Asn; Tax Inst. Public financial administration. Publ: Administrative management, In: Municipal Yearbook, 62; Financial management training, Fed. Act, 12/63; The rising costs of urban living, Ariz. Rev, 8/66. Address: Division of Economic & Business Research, University of Arizona, Tucson, Ariz. 85721.

SHISKIN, JULIUS, b. New York, N.Y., Oct. 13, 12; m. 37; c. 2. ECONOMICS. A.B. Rutgers, 34, A.M. 36; Columbia, 36-37. Instr. econ, Rutgers, 34-38; res. asst, Nat. Bur. Econ. Res, 38-42; economist, War Prod. Bd, 42-45; CHIEF ECON. STATISTICIAN, U.S. BUR. CENSUS, 45- Lectr, American Univ, 55. Consult, UN, 62; Int. Monetary Fund, 64. U.S. Dept. Commerce award, 54; Rockefeller Pub. Serv. award, 56. Econ. Asn; fel. Statist. Asn. Statistical methods. Publ: Reverse trend adjustment of leading indicators, Rev. Econ. & Statist, 2/67; co-auth, Indicators of business expansions and contractions, Occasional Paper 103, Nat. Bur. Econ. Res, 3/67; auth, Seasonal adjustment, In: International Encyclopedia of social sciences, 68. Address: 8920 Whitney St, Silver Spring, Md. 20901.

SHISTER, PROF. JOSEPH, b. Can, Nov. 27, 17; nat; m. 41; c. 4. ECONOMICS. B.S. Montreal, 39; univ. fel. & M.A. Harvard, 39-41, Brookings Inst. fel, 41-42, Ph.D.(econ), 43. Instr. econ, Cornell, 42-43; asst. prof, Syracuse, 45-46; asst. prof. & dir. res, labor & mgt. center, Yale, 46-49; PROF. INDUST. RELS. & CHMN. DEPT. STATE UNIV. N.Y. BUFFALO, 49-. PROF. ECON, 62- Consult, Nat. War Labor Bd, 44; consult. labor legis, Gov. of Conn, 48-50; arbitrator, Bell Aerospace Corp; Curtiss-Wright Corp; Union Carbide & Carbon Corp; Goodyear Tire & Rubber Co; Bell Helicopter Corp. Mem. construct. indust. stabilization cmn. Nat. Wage Stabilization Bd, 51-52; State Minimum Wage Bd, N.Y., 57-59; chmn, Presidential Emergency Dispute Boards, 61, 62 & 64; mem, N.Y. State Bd. Mediation, 66-; chmn, Buffalo Pub. Employee Rels. Bd, 67- U.S.A. 43-44. Econ. Asn; Sociol. Asn; Indust. Rels. Res. Asn; Acad. Arbit. Labor economics; business cycles; economic theory. Publ: Readings in labor economics and industrial relations; Public policy and collective bargaining; Economics of the labor market. Address: School of Business, State University of New York at Buffalo, Buffalo, N.Y. 14214.

SHIVELY, DR. HAROLD H(ASTINGS), b. McArthur, Ohio, Aug. 12, 90; m. 25; c. 1. BUSINESS ADMINISTRATION. A.B. Ohio, 13; M.A. Ohio State, 23; fel, N.Y. Univ, 22-23; J.D. Chicago, 36. From instr. to asst. prof, Ohio State, 18-29; prof. mkt. & bus. law, Babson Inst, 29-43; mkt. economist, War Foods Admin, 43-46; chief progress & anal. div, War Assets Admin, 46-47; prof. gen. bus. mgt. & chmn. div. bus. admin, HARTFORD, 47-58, dean SCH. BUS. ADMIN, 58-60, EMER. DEAN, 60- Lectr. & adj. prof, sch. bus. admin, American Univ, 61-67. U.S.A. 18. Marketing; trade regulation. Publ: Pen points on purchase law; Unfair methods of competition in the retail field; Mortality in magazine advertising. Address: 4013 47th St. N.W., Washington, D.C. 20016.

SHIVERS, PROF. LYDA GORDON, b. Poplarville, Miss, Oct. 11, 07. SOCIOLOGY. A.B. Mississippi, 28, A.M. & LL.B., 30; Rosenwald fel, North Carolina, 32-33, Ph.D. 35. Instr. Mississippi, 30-32; North Carolina, Greensboro, 33-34; asst. prof, Tex. State Col, Women, 34-35; assoc. prof. SOCIOL.

NORTH CAROLINA, GREENSBORO, 35-50, PROF, 50-, HEAD DEPT, 54- Fel. Sociol. Asn. Family and criminology. Address: Dept. of Sociology, University of North Carolina at Greensboro, Greensboro, N.C. 27412.

SHKLAR, PROF. J(UDITH) N(ISSE), b. Riga, Latvia, Sept. 24, 28; nat; m. 48; c. 2. POLITICAL SCIENCE, PHILOSOPHY. B.A. McGill, 49, Oliver Allen fel. & M.A., 50; fel, Radcliffe Col, 53-55, Ph.D.(govt), 55. Instr. GOVT, HARVARD, 56-59, asst. prof, 59-63, LECTR, 63- Am. Asn. Univ. Women fel, 56; Guggenheim fel, 59. Polit. Sci. Asn.(Birkhead prize, 56); Soc. Polit. & Legal Philos. Political and legal theory. Publ: After utopia; Legalism, Harvard, 64; Political theory and ideology, Macmillan, 65. Address: 710 Widener Library, Harvard University, Cambridge, Mass. 02138.

SHNEIDMAN, DR. EDWIN S, b. York, Pa, May 13, 18; m. 44; c. 4. PSYCHOLOGY. B.A. California, Los Angeles, 38, M.A., 40; M.S. Southern California, 47, Ph.D.(psychol), 48. Clin. psychologist, Vet. Admin. Neuropsychiat. Hosp, 49-54, chief res, psychol. serv, 54-58, co-prin. investr. cent. res. unit, 58; co-dir, Suicide Prev. Center, Los Angeles, 58-66; CHIEF CENTER STUDIES SUICIDE PREV, NAT. INST. MENT. HEALTH, 66- U.S. Pub. Health Serv. grants, 52-58, proj. grant, 58-; res. assoc. Southern California, 55-, assoc. prof, sch. med, 61-64, prof, 64-66; U.S. Pub. Health Serv. spec. res. fel, Harvard, 61-62; lectr, sch. med, Hopkins, 67-; clin. prof, sch. med, George Washington, 67- Co-ed, Bull. Suicidology. Hildreth Mem. award. Dipl. Am. Bd. Exam. Prinl. Psychol, 54, v-pres, 86. U.S.A.A.F., 42-45, Capt. Fel. Psychol. Asn; Soc. Proj. Tech. & Personality Assessment (pres, Soc. Proj. Tech, 60); Asn. Suicidology (pres, 68). Suicidology; prophylactic mental hygiene. Publ: Ed. Clues to suicide; Cry for help; Essays in self-destruction. Address: Center for Studies of Suicide Prevention, National Institute of Mental Health, 5454 Wisconsin Ave, Chevy Chase, Md. 20203.

SHNEIDMAN, DR. J. LEE, Medieval Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SHOAF, PROF. F(RANK) ROBERT, b. Uniontown, Pa, Apr. 7, 26; m. 53; c. 3. MARKETING, PSYCHOLOGY. A.B. Dickinson Col, 52; Lehigh, 52-54; M.S. Purdue, 55, Ph.D.(exp. psychol), 57. Asst. psychol, Lehigh, 52-53; instr, Dickinson Col, 53-54, asst. prof, Purdue, 54-56, instr, 56-57; asst. prof. MKT, N.Y. UNIV, 57-60, ASSOC. PROF, 60- Mkt. res. assoc, George W. Fotis Res. Assocs, Inc, 58- Consult, Penton Pub. Co, 57-; Gulf Oil Corp, 60. Psychol. Asn; Mkt. Asn. Perception; motivation; advertising; sales; consumer behavior. Address: 15 Fawn Circle, Berkeley Heights, N.J. 07922.

SHOEN, DR. EDWARD JOSEPH, JR, b. Oberlin, Ohio, Oct. 3, 18; m. 42; c. 1. PSYCHOLOGY. A.B. Southern California, 39, M.A., 45, Ph.D.(psychol), 47. Clin. psychologist, Psychol. Guid. Center, Los Angeles, Calif, 45-46; jr. counsr, Vet. Guid. Center, 46; clin. & teaching asst. & psychol, Southern California, 46-47; asst. prof, Iowa, 47-50, clin. counsr, student counseling off, 47-50, dir, 49-50, assoc. prof, Teachers Col, Columbia, 50-56, prof, 56-65, ed, Teachers Col. Record, 60-65, coordinator col. rels, 64-65; prof. higher ed. & psychol. & dir, center res. & training higher ed, Cincinnati, 65-66; DIR. CMN. ACAD. AFFAIRS & EDITOR, ED. RECORD, AM. COUN. ED, 66- Vis. lectr, Albert Einstein Med. Col, 55-63. Consult, Vet. Admin, 51-64; U.S. Off. Ed, 66- Chmn, task force adolescents & youth, Joint Cmnn. Ment. Health of Children, 67-68; mem, task force higher ed, President's Coun. Youth Opportunity, 67- Dipl. Am. Bd. Exam. Prinl. Psychol, 55. AAAS; Psychol. Asn; Ed. Res. Asn. Development of adolescents and youth; instruction and learning; academic organization. Publ: Co-auth, The psychology of adjustment, Houghton, 56; auth, Students, stress and college experience, U.S. Nat. Student. Asn, 66; co-ed, Learning and the professors, Ohio Univ, 68. Address: American Council on Education, 1785 Massachusetts Ave. N.W., Washington, D.C. 20036.

SHOCK, DR. N(ATHAN) W(ETHERILL), Physiologist, Psychol, see 11th ed, Phys. & Biol. Vois.

SHOCKLEY, DR. BARBARA J(EAN) L(ARSON), b. Grand Forks, N.Dak, Feb. 1, 13; m. 30; c. 2. SOCIAL SCIENCE. B.A. & scholar, Oklahoma, 46; M.S. Utah, 48; Ph.D.(polit. sci), Pennsylvania, 58. Teacher soc. studies, Dept. Ed, U.S. Navy & U.S. Air Force, Guam, 48-50; instr. econ, Ogontz Center, Pa. State, 56-57; instr. econ. & geog, Temple, 57, summer, 58; soc. studies, West Chester State Teachers Col, 57-58; instr, Bloomsburg State Col, 58-59, asst. prof, 59-63, assoc. prof, 63-66; vis. prof. POLIT. SCI, Thiel Col, 66-67, assoc. prof, 67-68; PROF. STEPHEN F. AUSTIN STATE COL, 68- Summer fells, Hebrew Univ, Israel, 64 & Hebrew Union Col, Gezer & Jerusalem, Israel, 66. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Political unification of Europe by treaty-making instrumentalities and procedures; how more than one semester of United States government could be made a requirement for teacher certification. Publ: Contrib, Overview & Pennsylvania Angler; auth, Conventions of the council of Europe with special reference to the concepts of nationality and status: a documentary history. Address: Dept. of Political Science, Stephen F. Austin State College, Nacogdoches, Tex. 75961.

SHOEMAKER, PROF. DONALD J(AY), b. Columbus, Ohio, July 26, 27; m. PSYCHOLOGY. B.A. Ohio Wesleyan, 51; M.A. Ohio State, 52, Ph.D.(psychol), 55. Instr. psychol, Illinois, 55-56, asst. prof, 56-61; assoc. prof, SOUTHERN ILLINOIS, 61-67, PROF. PSYCHOL. & SPEECH PATH, 67- Consult, Vet. Admin, 58-; Jeanine Schultz Mem. Sch, Ill, 67- U.S.A.A.F., 46-47. Psychol. Asn. Personality theory; psychotherapy; development and treatment of stuttering. Publ: Co-auth, The modification of stuttering, Prentice-Hall, 67; co-auth, Parental attitudes and child adjustment & Child behavior problems and parental attitudes, Child Develop. Address: Dept. of Psychology, Southern Illinois University, Carbondale, Ill. 62901.

SHOEMAKER, DR. GEORGE K(ETH), b. Des Moines, Iowa, Apr. 13, 23; m. 47; c. 2. PSYCHOLOGY. B.S. Iowa State Col, 47; M.S. Drake, 49; Ed.D., Missouri, 51. Personnel eval. specialist, Gen. Motors Corp, Kans, 51-53, employ. mgr, 53-54, training dir, 54-55, salaried personnel administrator, Tex, 55-59; psychol. consult. to mgt, R.W. Ogan Assocs, Inc, Mo, 59-63; PRES. & PSYCHOL. CONSULT, MGT. CONSULT, INC, 63- Instr, residence center,

Cent. Mo. State Col. 66-; staff mem, Midwest Christian Counseling Center, 66- U.S.N. 44-46, Lt.(jg). Psychol. Asn. Personnel evaluation; placement; projective techniques; psychological counseling with men in business. Address: 703 Apache Dr, Independence, Mo. 64050.

SHOEMAKER, DR. HARRY ANDERSON, b. Coeur d'Alene, Idaho, Aug. 3, 26; m. 47; c. 2. PSYCHOLOGY. B.A., Whitman Col. 48; M.A., Colorado, 50, Ph.D.(psychol), 53. Res. assoc. training methods, HumRRO, George Washington, 53-56; asst. prof, Washington State, 56-59; psychol, Oregon, 59-62; mem. tech. staff psychol, Bell Tel. Labs, 62-64; TRAINING RES. SUPVR, AM. TEL. & TEL. CO. 64- Summers, vis. asst. prof, Washington (Seattle), 58, 61. U.S.N.R. 44-46. Psychol. Asn. Learning theory; systematic psychology; instructional methods. Publ: Functional context method of instruction, Inst. Radio Eng. Trans; co-auth, Development and evaluation of an improved field radio repair course & Effects of deprivation and incentive palatability on a conditioned operant response, J. Comp. & Physiol. Res. Address: 1371 Cooper Rd, Scotch Plains, N.J. 07076.

SHOEMAKER, JAMES HAROLD, b. Dubuque, Iowa, Sept. 10, 97; wid. POLITICAL ECONOMY. B.A., State Col. Iowa, 19; M.A., Iowa, 24; hon. LL.D., Hawaii, 60. Mem. faculty, Govt. Higher Commercial Sch, Japan, 20-23; Brown, 24-28, 31-45; Harvard, 28-31; Hawaii, 46-49; V.PRES. & DIR. BUS. RES. BANK OF HAWAII, 49- Res. analyst, Bur. Labor Statist, summer 33, 35; U.S. Dept. Commerce, 38, dir. econ. survs, Hawaii, 39, 47; dep. dir. Far East div, Bd. Econ. Warfare, 41-42, enemy potential div, 42-43; chmn, Nat. Econ. Bd, U.S. Mil. Govt, Korea, 46-47; dir. prog. coord. div, Nat. Security Resources Bd, 48-49, summers, 50-52; pres, Pac. & Asian Affairs Coun, 58-60, 63-65; Univ. Hawaii Found, 60-65; dir. survs. for airlines serving Hawaii, 66-67. Adv. econ. of Japan, Off. Export Control, 41. Consult, Gov. Alaska, & coordinator rehab. following Fairbanks flood, 67. Trustee, Bishop Mus, 58- Mem. U.S. Strategic Bombing Surv, Japan, 45-46; U.S. Navy Mission, 46; U.S. del. UN Conf. World Resources, Lake Success, 48; mem. copra stabilization bd, Hawaii, 53-56; cmt. cost living allowances, U.S. Civil Serv. Cmn, 54; Reserve Bank of N.Z. Mission, 58, 65; U.S. Dept. Commerce trade mission, Peru & Ecuador, 59, indust. develop. mission, Guyana, Surinam & Netherlands Antilles, 66. U.S.A. 43-45, Col; Legion of Merit. Econ. Asn; Polit. Sci. Asn; Statist. Asn; Soc. Pub. Admin; For. Policy Asn; Royal Econ. Soc. Publ: Labor in the economy of Hawaii, 1939; The economy of Hawaii in 1947. Address: Bank of Hawaii, Honolulu, Hawaii 96822.

SHOEMAKER, KARL G, b. Ottawa, Kans, Jan. 4, 13; m. 37; c. 3. AGRICULTURAL ECONOMICS. B.S., Kansas State, 36, M.S. 48. County agent, Kansas State, 36-39, exten. specialist, 39-48; assoc. prof. agr. econ, Wisconsin, 48-55, prof, 55-56, exten. specialist, 48-56; chief gen. econ. & rural sociol. br, div. agr. econ. progs, fed. exten. serv, U.S. Dept. Agr, 56-63, for. agr. affairs officer, for. agr. serv, Am. Embassy, London, Eng, 63-68; ECONOMIST, LAND O'LAKES CREAMERIES, INC, 68- Publ: An appraisal of the dairy marketing situation in Illinois with special reference to operations of affiliates of prairie farms, creameries and Illinois Milk Producers Association; Organization and operation of Pure Milk Products Cooperative; contrib, Trends and needed adjustments in U.S. Agriculture. Address: Land O'Lakes Creameries, Inc, 2215 Kennedy St. N.E., Minneapolis, Minn. 55413.

SHOEMAKER, DR. ROBERT J, Psychiat, see 11th ed, Phys. & Biol. Vols.

SHOLES, PROF. RUSSELL G(EOERGE), b. Sherburne, N.Y., June 5, 98; m. 22; c. 3. SOCIOLOGY, ANTHROPOLOGY. A.B., Washington (St. Louis), 22, A.M., 23. Psychologist, City Child Guid. Clin, St. Louis, Mo, 22-24; asst. supt. schs, Bur. Ed, Philippines, 24-27; from prof. to EMER. PROF. SOCIOLOGY, MIDDLEBURY COL, 27- Psychologist, State Prison Cmn. Surv, N.Y., 22; mem, State Bd. Insts, Vt, 60- Asst. coordinator Navy V-12 Unit, 43-45. U.S.A., 17-19. Physical anthropology; marriage problems. Address: Dept. of Sociology, Middlebury College, Middlebury, Vt. 05753.

SHOLL, PROF. MELVIN D(EVERE), Geog, Polit. Sci, see 10th ed, Soc. & Behav. Vols.

SHOMER, DR. ROBERT WILLIAM, b. New York, N.Y., July 5, 38; m. 61; c. 1. SOCIAL PSYCHOLOGY. B.A., California, Los Angeles, 61, U.S. Pub. Health Serv. fel, 63-66, Ph.D.(psychol), 66. Res. asst. PSYCHOL, California, Los Angeles, 61-63, lectr, 64-66; ASST. PROF, HARVARD, 66- Harvard faculty res. grant, 66- Consult, Hosp. Audiences, New York, 66- Psychol. Asn; Soc. Psychol. Study Social Issues. Social behavior; decision making; risk taking; small group phenomena; perception of causality; attitudes and attitude change. Publ: Co-auth, Introductory psychology, Freeman, (in press) & Threats and the development of coordination, J. Personality & Soc. Psychol, 66. Address: 33 Kirkland St, Cambridge, Mass. 02138.

SHONTZ, PROF. FRANKLIN C(URTI), b. Cleveland, Ohio, Dec. 9, 26; m. 54; c. 3. PSYCHOLOGY. B.S., Western Reserve, 50, U.S. Pub. Health Serv. grant, 51-52, M.A., 53, Ph.D.(psychol), 55. Asst. to res. dir, psychol. dept, Cleveland State Hosp, 52-54; lectr. PSYCHOL, Western Reserve, 53-60; asst. prof, KANSAS, 60-62, assoc. prof, 62-66, PROF, 66- Psychologist, Highland View Hosp, Cleveland, Ohio, 54-60. Consult, Vet. Admin. Center, Wadsworth, Kans, 63-; Voc. Rehab. Admin, Wash, D.C., 65-; Inst. Community Studies, Kansas City, Mo, 66- Award, Am. Personnel & Guid. Asn, 60. U.S.A., 45-56. Fel. Psychol. Asn. Psychological aspects of rehabilitation; personality. Publ: Research methods in personality, Appleton, 65; Influence of measurement conditions on size estimates of body parts, J. Personality & Soc. Psychol, 65; Behavior settings may effect rehabilitation client, Rehab. Record, 67. Address: Dept. of Psychology, University of Kansas, Lawrence, Kans. 66044.

SHOOK, EDWIN MARTIN, b. Newton, N.C., Nov. 22, 11; m. 37; c. 3. ARCHAEOLOGY, ANTHROPOLOGY. Drexel Inst. Tech; Columbia; George Washington; Harvard. Asst. archaeologist, Carnegie Inst, 33-39, archaeologist, 40-58, res. assoc. archaeol, 59-61; dir. Guatemala Training Prog. Anthropol, Rockefeller Found, 61-64; res. staff archaeologist, Cent. Am. Studies Prog, Assoc. Cols. Midwest, 64-65; prof. extraordinary archaeol, Costa Rica, 65; FIELD DIR, MONTE ALTO PROJ, MILWAUKEE PUB. MUS,

GUATEMALA, 66- Dir. Tikal proj, mus, Pennsylvania, 55-64; exec. dir, John Lloyd Stephens Found, 64-66. Mem, coordination cmt. Guatemala, U.S. Of. Inter-Am. Affairs, 42-46; Trop. Resources Study Group, Guatemala, 61; chmn, conservation cmt, Town of Harvard, Mass, 62-66. Del. Cong. Ams, 49. Knight Commander, Order Quetzal, Guatemala, 63; Dipl. Emeritissimum, faculty humanities, San Carlos, 64. Fel. AAAS; fel. Am. Anthropol. Asn; fel. Soc. Am. Archaeol; Archaeol. Inst. Am; Mex. Anthropol. Soc; hon. mem. Anthropol. Asn, Guatemala; hon. mem. Soc. Geog. & Hist, Guatemala; Archaeol. Soc. Panama; Nicaragua Archaeol. Inst. Archaeological excavation and explorations in Central America. Publ: Field director's report: 1956 and 1957 seasons, Tikal Report No. 1, Pennsylvania Monogr; Three temples and their associated structures at Mayapan & co-auth, Excavation at Kaminaljuyu, Carnegie Inst. Pub. Address: Oak Hill Rd, Harvard, Mass. 01451.

SHOR, PROF. EDGAR L, b. Pittsburgh, Pa, May 17, 16; m. 48; c. 2. POLITICAL SCIENCE. B.A., Pittsburgh, 38; M.A., Chicago, 48, Ph.D.(polit. sci), 54. From instr. to asst. prof. govt, Indiana, 52-60; POLIT. SCI, Chicago, 60-63; PROF, COLGATE, 63- U.S.A. 41-46, Capt. Polit. Sci. Asn; Soc. Pub. Admin; Int. Inst. Admin. Sci. Public administration, comparative administration and bureaucratic behavior; American National government; administrative policy determination; Southeast Asia, Thailand. Address: 14 University Ave, Hamilton, N.Y. 13346.

SHOR, DR. JOEL, b. New York, N.Y., July 11, 19. PSYCHOLOGY. B.S., City Col. New York, 39, fel, 39-41, M.S., 43; Rockefeller Found. fel, New Sch. Soc. Res, 41-42; N.Y. Psychoanal. Inst, 46-47; William Alanson White Inst. Psychiat, 47-49; Ph.D.(clin. psychol), N.Y. Univ, 48. Mem. grad. faculty, New Sch. Soc. Res, 39-42; instr. psychol, City Col. New York, 46-47; instr. psychiatrist. univ. & therapist, col. clin, Yale, 46-48; prof. psychol. & acting chmn. dept, Sarah Lawrence Col, 48-52; instr. & lectr, Inst. Bioenergetic Character Anal, 57-59; res. assoc. psychoanal, Tavistock Clin, London, Eng, 61-63; res. psychologist, Pac. State Hosp, Pomona, Calif, 63-64; res. dir. electrocortical, Wells Med. Group, Arcadia, Calif, 64-66; RES. ASSOC. PSYCHOANAL. METHOD & THERAPIST, HACKER CLIN, BEVERLY HILLS, 66- Soc. Sci. Field Lab. fel. anthropol, N.Y. Univ, 40; lectr, grad. sch, N.Y. Univ, 48-51; lectr. & ed. chmn, training inst, Nat. Psychol. Asn. for Psychoanal, 48-55. Private practice, 46-61; consult. to pres. & dean, Bard Col, 49-52. U.S.A. 42-46, Lt. AAAS; Psychol. Asn; Asn. Appl. Psychoanal; Acad. Psychother. Psychoanalytic method and theory. Publ: Female sexuality: aspects and prospects, Psychoanalysis; Ethics of Freud's psychoanalysis, Int. J. Psychoanal; co-auth, Ego development through self-traumatization, Psychoanal. Rev. Address: 19854 Pacific Coast Highway, Malibu, Calif. 90265.

SHOR, DR. RONALD E(DWIN), b. Cambridge, Mass, Nov. 20, 30; m. 52; c. 2. PSYCHOLOGY. B.A., Brandeis, 53, univ. fel, 55-59, U.S. Pub. Health Serv. fel, 57-60, Ph.D.(psychol), 60; M.A., Kansas, 55. Instr. PSYCHOL, Mass. Inst. Tech, 58; res. assoc. Brandeis & Harvard Med. Sch, 60-64; assoc. dir. unit exp. psychiat, inst, Pa. Hosp. & Univ. Pennsylvania, 64-66; ASSOC. PROF. PSYCHOL, La Salle Col, 66-67; NEW HAMPSHIRE, 67- U.S. Pub. Health Serv. res. fel, 60- Psychol. Asn; Int. Soc. Clin. & Exp. Hypnosis. Cognitive processes; motivation and persuasion; nature of hypnosis and related states; Gestaltist approach to symbolic processes. Publ: Co-auth, The nature of hypnosis: selected basic readings, Holt, 65; auth, Hypnosis and the concept of the generalized reality-orientation, Am. J. Psychother; Shared patterns of nonverbal normative expectations in automobile driving, J. Soc. Psychol, 64. Address: Dept. of Psychology, University of New Hampshire, Durham, N.H. 03824.

SHORE, WILLIAM B(URTON), b. Minneapolis, Minn, Apr. 4, 25; m. 49; c. 4. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A., Minnesota, 48; M.A., Manchester, 53; fel, Syracuse, 54-55. Res. dir. to Senator Hubert H. Humphrey, 48-49; int. economist, U.S. Off. Int. Labor Affairs, 49-50; res. & pub. dir. to gubernatorial cand, Minn, 52-53; asst. prof. polit. sci. & supvr. pub. admin. projs, adult ed. & community serv, Wyoming, 55-56; pub. officer, Soc. Pub. Admin. & staff ed, Pub. Admin. Rev, 56-60; INFO. DIR. REGIONAL PLAN ASN, 61- Lectr, Columbia Univ, 67-68. U.S.A., 43-46. Polit. Sci. Asn; Soc. Pub. Admin. Translation of social science research for use by decision-makers. Address: 119 Cobb Lane, Tarrytown, N.Y. 10591.

SHORES, PROF. J. HARLAN, b. Dearborn, Mo, Sept. 27, 15; m. 40; c. 2. EDUCATIONAL PSYCHOLOGY. A.B., Kansas, 37; A.M., Minnesota, 38, Ph.D., 40. Tech. asst. ed, Missouri, 37-38; Minnesota, 38-40; instr. elem. ed, Minn. State Teachers Col, St. Cloud, 41-42; instr. ED, ILLINOIS, URBANA, 41-42, assoc, 42-43, asst. prof, 43-46, assoc. prof, 46-50, PROF, 50- U.S.N.R., 43-46, Lt. Nat. Ed. Asn; Ed. Res. Asn; Nat. Coun. Teachers of English. Developmental reading especially purposeful reading; reading study skills in grades four through eight. Publ: Co-auth, Fundamentals of curriculum development, World Book Co, 57; auth, Developing purposeful and flexible reading, Univ. Chicago, 65 & Are fast readers the best readers? a second report, Elem. Eng, 4/61. Address: 310 Education Bldg, University of Illinois, Urbana, Ill. 61801.

SHORT, PROF. JAMES F(RANKLIN), JR, b. Sangamon Co, Ill, June 22, 24; m. 47; c. 2. SOCIOLOGY. B.A., Denison, 47; M.A., Chicago, 49, Ph.D.(sociol), 51. Secy, city planning adv. bd, Chicago, 49-50; lectr. SOCIOLOGY, Indiana, 51-52; instr, WASHINGTON STATE, 51-54, asst. prof, 54-59, assoc. prof, 59-63, PROF, 63-, dean grad. sch, 64-68. Soc. Sci. Res. Coun. fel, 53-56; vis. assoc. prof, Chicago, 59-62. U.S.M.C., 42-46, 2nd Lt. Sociol. Asn; Soc. Study Social Probs. Social psychology; juvenile delinquency; social change. Publ: Co-auth, Suicide and homicide; Group process and gang delinquency, Univ. Chicago, 65; ed, Gang delinquency and delinquent subcultures, Harper, 68. Address: Dept. of Sociology, Washington State University, Pullman, Wash. 99163.

SHORT, DR. JERRY GENE, b. Houston, Tex, Mar. 10, 32; m. 60; c. 3. PSYCHOLOGY. A.B., Harvard, 54; M.A., Houston, 60, Ph.D.(psychol), 61. Instr. PSYCHOL, Houston, 58-61; dir, Learning Inst, 61-62; SR. RES. SCIENTIST, AM. INSTS. RES. BEHAV. SCI, 62- Ed. consult, U.S. Air Force, 62-65; U.S. Off. Econ. Opportunity, 65- U.S.N., 54-56, Lt. Psychol. Asn. Learning

theory; operant conditioning; programmed instruction. Address: 5812 Castleman St, Pittsburgh, Pa. 15232.

SHORT, PROF. LLOYD M (LTON), b. Knoxville, Ill, Feb. 3, 97. POLITICAL SCIENCE. A.B. Knox Col, 19, LL.D. 47; A.M. Illinois, 20, Ph.D. 22; LL.D. Sioux Falls Col, 58. Instr. polit. sci, Akron, 22-23; asst. prof. polit. sci. & pub. law, Missouri, 23-27, assoc. prof. 27-29, prof. polit. sci. & asst. dean grad. sch. 29-35; prof. POLIT. SCI. MINNESOTA, 35-65, dir. pub. admin. center, 35-61, chmn. dept. 52-61, EMER. PROF. 65- Lewis M. Stevens prof. pub. affairs, Lincoln, 65-66; vis. prof. govt, Texas, 67-68. Mem. staff, U.S. Civil Serv. Cmn, 42; Soc. Sci. Res. Coun, 44; adv. grad. sch. pub. admin, Seoul, 61-62. Spec. Serv. Award, U.S. Civil Serv. Cmn, 65. Polit. Sci. Assn; Soc. Pub. Admin; Nat. Acad. Pub. Admin; Int. City Mgrs. Assn. Public administration; legislative organization and procedure. Publ: Development of national administration organization in the United States: co-auth, Minnesota's commission of administration and finance; & Department of taxation. Address: 604 Desnoyer Ave, St. Paul, Minn. 55104.

SHORT, PROF. RAY E (VERETT), b. Coffeyville, Kans, Jan. 5, 19; m. 54; c. 5. SOCIOLOGY, RELIGION. A.B. Willamette, 44; scholar, Duke, 44-47, B.D. 48, Ph.D. 61; Idaho, 50. Dir. Westminster Found, Duke, 44-46; asst. prof. relig. & dir. chapel progs, Fla. South. Col, 47-50; dir. Wesley Found, Idaho, 50-51; exec. dir. student YMCA-YWCA, Denver, 51-53; intermt. region, United World Federalists, Inc, 53-54; pastor, Fairmont Methodist, Ill, 54-56; asst. sociol. Duke, 56-57; assoc. prof. head div. relig. & philos. & chaplain, Tenn. Wesleyan Col, 57-60; assoc. prof. sociol. & relig. & head dept. sociol. Dubuque, 60-65, acting chmn. div. soc. sci. 62-65; assoc. prof. sociol. WIS. STATE, PLATTEVILLE, 65-66, PROF. SOCIOL. & ANTHROP. 66-, HEAD DEPT. 65- Nat. Sci. Found. res. grant, conf. anthropol. Fairmont State Col, 62. Chmn. div. peace & world order, N.Iowa Methodist Conf, 63-; Midwest rep. nat. exec. coun. United World Federalists, Inc, 64-, pres. Midwest region, 67- Fel. Sociol. Assn. Analysis of social control theory in introductory sociology textbooks as related to international conflict; war as a contemporary social problem and the relevance of sociological data to that problem. Publ: Two kinds of peace, Concern: United Nations, world law, and world peace, Fla. JayCee News; Common cause, Saturday Rev. 5/63. Address: Dept. of Sociology & Anthropology, Wisconsin State University, Platteville, Wis. 53818.

SHORT, PROF. RAYMOND S (TANLEY), b. Xenia, Ohio, Jan. 18, 00; m. 27, 37; c. 2. POLITICAL SCIENCE. A.B. Muskingum Col, 24; A.M. Ohio State, 27; Wallace fel, Pittsburgh, 27-30, Ph.D. 30. Instr. POLIT. SCI. TEMPLE, 30-35, asst. prof. 35-45, assoc. prof. 46-51, prof. 51-67, chmn. dept. 55-64, EMER. PROF. 67- Regional economist, War Labor Bd, 43, pub. panel chmn, 43-45, arbitrator, 56-; mem. arbit. panel, Fed. Mediation & Conciliation Serv, 45 & Am. Arbit. Assn, 46. Polit. Sci. Assn. Local government; government and business; problems of American government. Publ: Municipalities and the federal government; Redevelopment in Philadelphia; An approach to survival. Address: 415 S. Taney St, Philadelphia, Pa. 19146.

SHORTER, PROF. F (REDERIC) C (LAIBORNE), Econ, see 10th ed, Soc. & Behav. Vols. Latest known address: The Ford Foundation, Tunc Caddesi 12/4, Bakanliklar, Ankara, Turkey.

SHOSTAK, DR. ARTHUR B, b. Brooklyn, N.Y., May 11, 37; m. 58; c. 2. SOCIOLOGY. B.S. Cornell, 58; Woodrow Wilson fel, Princeton, 58-60, Ph.D. (sociol), 61. Asst. prof. SOCIOL. Pennsylvania, 61-67; ASSOC. PROF. DREXEL INST, 67- Res. fcls, summer 63, 64, 67 & Ford Found. Faculty, 65-66. Sociol. Assn; Soc. Study Social Probs; World Future Soc. Social change and social planning; social problems; urban affairs. Publ: Co-ed, New perspectives on poverty, Prentice-Hall, 65; ed, Sociology in action, Dorsey, 66; auth, Blue-collar style, Random, 68. Address: Dept. of Sociology, Drexel Institute of Technology, Philadelphia, Pa. 19104.

SHOTWELL, DR. ANNA M (ARKT), b. Oregon, Mo, Apr. 20, 00; m. 30; c. 1. CLINICAL PSYCHOLOGY. A.B. Northwestern, 25, A.M. 28, Ph.D. (psychol), 41; California, 38-39. Dir. personnel, Nat. Col. Ed, 25-33; sch. psychologist, pub. sch, La, 34-43; psychologist, State Colony & Training Sch, 42-44; clin. psychologist, Pac. State Hosp, 44-65; RETIRED. Fel. Psychol. Assn; Asn. Ment. Deficiency. Mental development; personnel selection; mental deficiency. Publ: Screening test for psychiatric technicians & Number test for mental defectives, Am. J. Ment. Deficiency; co-auth, Standard tests in the elementary school. Address: 900 E. Harrison Ave, G-6, Pomona, Calif. 91767.

SHOUP, PROF. CARL S (UMNER), b. San Jose, Calif, Oct. 26, 02. ECONOMICS. A.B. Stanford, 24; Ph.D. Columbia, 30; hon. Ph.D. Strasburg, 67. Instr. ECON. COLUMBIA, 28-31, asst. prof. 31-38, assoc. prof. 38-45, PROF, 45- Asst. to U.S. Secy. Treas, 37-38; dir. study taxation, Twentieth Century Fund, 35-37; tax mission, Japan, 49-50, Venezuela, 58-59; Fulbright teaching fel, France, 53-54. Consult, U.S. Treas. Dept, 62- Mem. President's Cmn. Budget Concepts, 67. Econ. Assn; Int. Inst. Pub. Finance (pres, 50-53). Public finance; national income. Publ: Ricardo on taxation; Federal estate and gift taxes, Brookings Inst, 66; res. dir. & ed, Fiscal harmonization in common markets, 2 Vols, Columbia Univ, 67. Address: 512 Fayerweather Hall, Columbia University, New York, N.Y. 10027.

SHOUP, DR. JUNE ELEANOR, Speech Commun, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

SHOVER, PROF. JOHN L, U.S. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SHOWALTER, PROF. D (ONALD) F (OX), b. Davenport, Nebr, May 4, 91; m. 17; c. 2. PSYCHOLOGY. B.A. Nebraska, 16, M.A. 17; Iowa, 22-23, 25, 27; Ph.D. (psychol), Kansas, 31. Supt. pub. schs, Kans, 17-30; prof. ed. & psychol. & head dept. Ark. Agr. & Mech. Col, 30-33; Ark. State Col, 33-47, dean faculty, 37-47, acting pres, 45-46; asst. prof. PSYCHOL, KANSAS STATE, 47-49, assoc. prof. 49-57, prof. 57-61, acting head dept, 57-59, EMER. PROF, 61-; PROF, NORTHERN IOWA, 62- Consult, State Study Ed. for Citizenship, Kans, 50-53. AAAS; fel. Psychol. Assn; Nat. Coun. Measure-

ment in Ed. Human learning; retail marketing; attitude measurement. Publ: Quality analysis of human maze learning; Better teaching and better learning in social studies. Address: Dept. of Psychology, University of Northern Iowa, Cedar Falls, Iowa 50613.

SHOWALTER, LT. COL. ROBERT E (DWARD), Geog, see 10th ed, Soc. & Behav. Vols.

SHOWEL, DR. MORRIS, Sociol, see 10th ed, Soc. & Behav. Vols.

SHOWERS, PROF. H (ERMAN) BYRON, b. Reading, Pa, Nov. 14, 30; m. 52; c. 3. PSYCHOLOGY, COUNSELING. A.B. Houghton Col, 52; S.T.B. Temple, 55; Ed.M. Rutgers, 58, Ed.D. (counseling), 64. Counsr. guid. dept, pub. schs, Pa, 59-61; instr. psychol, Monmouth Col. (N.J.), 61-63, asst. prof. 63-65; assoc. prof. ED. PSYCHOL, MILLERSVILLE STATE COL, 65-68, PROF, 68. Lectr, Rutgers, 64-65; Newark State Col, 65. Psychol. Assn; Personnel & Guid. Assn; Asn. Counsr. Ed. & Supv. Counselor education, especially program, curriculum and instructional development; counseling, especially theories, methods, supervision and personality of the counselor; developmental psychology. Address: Dept. of Educational Psychology, Millersville State College, Millersville, Pa. 17551.

SHRADER, DR. RAYMOND R (OBER), b. Freeland, Pa, July 21, 20; m. 46; c. 3. PSYCHOLOGY. A.B. & M.A. La. State, 49; Ph.D. (psychol), Tennessee, 53. Instr. PSYCHOL, TENNESSEE, 50-53, asst. prof. 53-56, ASSOC. PROF, 56- Mem. int. res. cmt, Childrens Int. Summer Villages, pres. nat. coun, 67-69. U.S.A.A.F., 39-44. Psychol. Assn. Experimental social psychology. Publ: Co-auth, Youth anxiety scale, Inst. Personality & Ability Testing, 68. Address: Dept. of Psychology, University of Tennessee, Knoxville, Tenn. 37916.

SHRATTER, DR. BENJAMIN, Sociol, Statist, see 10th ed, Soc. & Behav. Vols.

SHRAUGER, DR. JOHN SIDNEY, b. Weeping Water, Nebr, June 7, 38; m. 61; c. 1. PSYCHOLOGY. A.B. Montana, 60; Ph.D. (psychol), Duke, 65. ASST. PROF. PSYCHOL, STATE UNIV. N.Y. BUFFALO, 65- Psychol. Assn. Personality characteristics as factors in the development of impressions of others; determinants of self-evaluation. Publ: Co-auth, Personality of the perceiver as a factor in person perception, Psychol. Bull, 64; auth, Cognitive differentiation and the impression-formation process, J. Personality, 67; co-auth, Social validation and interpersonal evaluations, J. Exp. Soc. Psychol, 68. Address: Dept. of Psychology, State University of New York at Buffalo, Buffalo, N.Y. 14214.

SHREVE, ROBERT O (WEN), b. Palo Alto, Calif, Feb. 16, 18; m. 49; c. 3. ECONOMICS. A.B. Stanford, 39, M.B.A. 41. Gen. freight agent, Parr-Richmond Terminal Co, 41-48; sr. economist & mgr. transportation econ. res, STANFORD RES. INST, 48-57, asst. dir. econ. res, 57-60, asst. gen. mgr. econ. & mgt. res, 61-65, SR. INDUST. ECONOMIST, 65- Lectr, grad. sch. bus, Stanford, 49. Consult, Opers. Res. Off, 51; Int. Coop. Admin, Philippines, 56; World Bank, Brazil, 65-66; U.S. Agency Int. Develop, Vietnam, 67-68. Opers. Res. Soc. Corporate strategy; transportation and industrial economics. Address: Stanford Research Institute, 333 Ravenswood Ave, Menlo Park, Calif. 94025.

SHRIVER, DR. BEATRICE M (EIROWITZ), b. New York, N.Y., Mar. 6, 26; div; c. 1. PSYCHOLOGY. B.A. Barnard Col, Columbia, 48; Ph.D. (psychol), Rochester, 52. Proj. dir. aging, Am. Inst. Res, 51-53; res. assoc. editing sci. reports, HumRRO, George Washington, 53-55; RES. SOC. PSYCHOLOGIST, NAT. INST. MENT. HEALTH, 61-, CHIEF SPEC. STUDIES SECT, MANPOWER & ANAL. STUDIES BR, DIV. MANPOWER & TRAINING PROGS, 67- Psychol. Assn. Leadership and group dynamics; problems of aging; survey techniques. Publ: Age and behavior: a study of the effects of aging on aircrew performance; co-auth, Note on a new technique of interaction recording & Behavior of leaders and other group members, J. Abnorm. & Soc. Psychol. Address: Division of Manpower & Training Programs, National Institute of Mental Health, 5454 Wisconsin Ave, Chevy Chase, Md. 20203.

SHRIVER, DR. DONALD W (OODS), JR, b. Norfolk, Va, Dec. 20, 27; m. 53; c. 3. SOCIOLOGY OF RELIGION. B.A. Davidson Col, 51; B.D. Union Theol Sem. (Va), 55; S.T.M. Yale, 57; Ph.D. (sociol, ethics), Harvard, 63. Instr. soc. studies, N.C. STATE, 63-65, asst. prof. RELIG, 64-68, ASSOC. PROF, 68- Vis. asst. prof, Duke, 64-65; Mary Reynolds Babcock Found, Danforth Found. & Presby. Church U.S. res. grants exp. study relig. & soc, 64-68; vis. assoc. prof, Union Theol. Sem. (Va), 67-68; Mary Reynolds Babcock Found. grant for prog. soc. decision, N.C. State, 68-71. Mem. nat. cmt. indust. mission & bd. nat. ministries, Presby. Church U.S., 66-68. Sig. C, U.S.A., 46-47. Sociol. Assn; Soc. Sci. Study Relig. Religion and industry, religion and race; technology, economic growth and social values, especially decision-making processes in large social organizations; theological ethics. Publ: How do you do—and why? An introduction to Christian ethics for young people, Covenant Life Curriculum, 66; The unsilent south: prophetic preaching in racial crisis, John Knox, 66; co-auth, Faculty discipline as an index to religiosity, Soc. Forces, 68. Address: 27 Horne St, Raleigh, N.C. 27607.

SHRIVER, DR. EDGAR L (OUIS), b. Canton, Ohio, Apr. 1, 27; m. 61. PSYCHOLOGY. B.A. Washington & Jefferson Col, 50; M.A. Rochester, 51; Ph.D. (psychol), Pittsburgh, 53. From res. scientist to sr. staff scientist, HumRRO, George Washington, 53-64; DIR PERSONNEL OPERS. RES. DIV, MATRIX CORP, 64. Chmn. bd. dir, Tech. Training Corp, 61- U.S.N., 45-46. AAAS; Psychol. Assn. Task analysis of electronic systems; electronic simulator design; operations analysis; training requirements analysis; teaching machines and programming; group learning; systems analysis methodology; group dynamics. Publ: Technical implementation of the forecast methods of task and skill analysis; Moonlight IV, training the rifle squad in night technique of fire; Determining training requirements for electronic system maintenance: development and test of a new method of skill and knowledge analysis. Address: 100 Prince St, Alexandria, Va. 22314.

SHRUM, DR. WILLIAM F (FREDERICK), b. Greensburg, Pa, Oct. 4, 29; m. 54; c. 3. SPEECH PATHOLOGY. B.A., Pa. State, 52, M.S., 60; Voc. Rehab. Admin. fel, Iowa, 62, Ph.D. (speech path), 67. Instr. SPEECH PATH, NEBRASKA, LINCOLN, 63-67, ASST. PROF, 67- U.S.A., 52-58, Mil. Intel. Res, 58-, Maj. Speech & Hearing Assn. Stuttering behavior modification; speech physiology and neuropsychology; physiological monitoring of speech behavior-instrumentation. Address: Speech & Hearing Clinic, University of Nebraska, Lincoln, Nebr. 68508.

SHRYOCK, DR. HENRY S (OLADAY), JR., b. Baltimore, Md, May 12, 12; m. 37. DEMOGRAPHY. A.B., St. John's Col. (Md), 32; Duke, 32-33; Soc. Sci. Res. Coun. fel, 35-36; Ph.D. (sociol), Wisconsin, 37. Tech. adv. Fed. Emergency Relief Admin, Wis, 34, sr. asst. Wash, 34; asst. sociol, Wisconsin, 34-35; spec. agent, U.S. Bur. Census, D.C., 36; assoc. Off. Pop. Res, N.J., 36-39; analyst, pop. div, U.S. BUR. CENSUS, 39-42, chief pop. statist. sect, 42-43, 45-48, ASST. CHIEF, POP. DIV, 48- Tech. expert, demog. training & res. centre, India, 57-58. Pop. Coun. consult, econ. planning bd, Repub. Korea, 63 & 67. Medal of Freedom, 45. Civilian ops. analyst with U.S.A.A.F., 43-45. Pop. Asn. (pres, 55); fel. Statist. Asn; fel. Sociol. Asn; Int. Union Sci. Study of Pop. Current population estimates and projections; internal migration; metropolitan areas. Publ: Co-auth, Streams of migration between subregions, Scripps Found. Pop. Res, 57; auth, Population mobility within the United States, Univ. Chicago, 64; Changing age profile of the population, In: *Aged and society*. Address: U.S. Bureau of Census, Washington, D.C. 20233.

SHRYOCK, PROF. RICHARD H (ARRISON), Hist. of Med, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SHUBERT, GUSTAVE H, b. Buffalo, N.Y., Jan. 18, 29; m. 52; c. 2. SOCIOLOGY, ECONOMICS. A.B., Yale, 49; A.M., N.Y. Univ, 56. Staff mem. res. & develop, Lincoln Lab, Mass Inst. Tech, 55-57, group leader syst. design, 57; staff mem. syst. design consult, Hycon East, Inc, 57-59; econ. & soc. sci, RAND CORP, 59-64, assoc. head dept. econ, 64-67, MEM. RES. COUN. ECON. & SOC. SCI, 67- U.S.A.F., 51-55, 1st Lt. Inst. Strategic Study. Insurgency; counterinsurgency; revolutionary war; European and NATO studies; economics of research and development; strategic military studies; economics of defense. Address: Rand Corp, 1700 Main St, Santa Monica, Calif. 90406.

SHUBIK, DR. MARTIN, b. New York, N.Y., Mar. 24, 26. ECONOMICS. B.A., Toronto, 47, M.A., 49; A.M., Princeton, 51, Ph.D. (econ), 55. Res. assoc. econ, Princeton, 53-55, fel. Center Adv. Study Behav. Sci, 55-56; res. consult. mgt. sci, Gen. Elec. Corp, 56-60; vis. prof. econ, Yale, 60-61; res. scientist math. econ, Int. Bus. Mach. Corp, 61-63; PROF. ECON. OF ORGN, YALE, 63- Consult, Ford Found, 59-61; Nat. Sci. Found, 60-; Mathematica Corp, 60-61; Opers. Res. Off, 60-61; Rand Corp, 61- R.C.N.V.R., 43-49, Lt. Econ. Asn; Statist. Asn; Economet. Soc; Inst. Mgt. Sci. Simulation of socio-economic and politico-economic systems; experimental and operational gaming; bidding; oligopoly theory; theory of games. Publ: *Strategy and market structure*, 59 & *Game theory and related approaches to social behavior*, 64, Wiley; *Essays in mathematical economics in honor of Oskar Morgenstern*, Princeton, 67. Address: Dept. of Administrative Sciences, Yale University, 2 Hillhouse Ave, New Haven, Conn. 06520.

SHUBIN, PROF. JOHN A (NDREW), Econ, see 10th ed, Soc. & Behav. Vols.

SHUCHMAN, PROF. ABRAHAM, b. Russia, July 26, 19; nat; m. 50; c. 2. MARKETING, ECONOMICS. Ph.D. (econ), Pennsylvania, 55. Instr. econ, Delaware, 48-55; Queens Col. (N.Y.), 55-57; from assoc. prof. econ. to PROF. MKT, COLUMBIA, 57- U.S.A.A.F., 44-46. Econ. Asn; Mkt. Asn; Inst. Mgt. Sci. Managerial economics; operations research. Publ: *Specialize your salesmen*, Harvard Bus. Rev; *The marketing audit*; *Codetermination, labor's new frontier*. Address: Dept. of Marketing, Columbia University Graduate School of Business, 105 Uris Hall, New York, N.Y. 10027.

SHUEY, PROF. AUDREY M (ARY), b. Westfield, Ill, Apr. 22, 00; m. 27; c. 2. PSYCHOLOGY. A.B., Illinois, 22; A.M., Wellesley Col, 23; Rockefeller fel, Columbia, 26-27, Ph.D., 31; Pd.D., East. Ill, 49. Lectr. PSYCHOL, Barnard Col, Columbia, 27-29; instr, Wash. Sq. Col, N.Y. Univ, 29-43; assoc. prof, RANDOLPH-MACON WOMAN'S COL, 43-44, PROF, 44-, CHMN. DEPT, 45-, acting head dept, 44-45. Fel. Psychol. Asn. After images; learning behavior of kittens; race differences. Publ: *The testing of Negro intelligence*, Soc. Sci. Press, 2nd ed, 66; *Personality traits of Jewish and non-Jewish students*, Arch. Psychol, 44; *Academic success of public and private school students in college*, J. Ed. Res, 49: 481-492. Address: Dept. of Psychology, Randolph-Macon Woman's College, Lynchburg, Va. 24504.

SHUEY, DR. HERBERT H (ENRY), Psychol, see 10th ed, Soc. & Behav. Vols.

SHUFFETT, DR. D (ALLAS) MILTON, b. Greensburg, Ky, June 17, 22; m. 46. ECONOMICS. B.S., Kentucky, 49, M.S., 51, Ph.D. (agr. econ), 56. Agr. econ. statistician, U.S. Dept. Agr, 52-53; ASSOC. PROF. AGR. ECON, KENTUCKY, 53- Award, Am. Mkt. Asn, 55. U.S.A., 42-46. Agr. Econ. Asn. Agricultural prices; statistics; agricultural marketing. Publ: *Demand and price structure for vegetables*, Bull. U.S. Dept. Agr; *Demand interrelationships between domestic cigarette tobaccos*, Bull. Univ. Kentucky. Address: Dept. of Agricultural Economics, University of Kentucky, Lexington, Ky. 40506.

SHUFORD, DR. EMIR H (AMVASY), JR., b. Tyler, Tex, Nov. 1, 29; m. 56; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A., Arkansas, 51, M.A., 53; A.M. & Ph.D. (exp. psychol), Illinois, 55. Res. assoc. aviation psychol. lab, Illinois, 55; res. psychologist, Personnel & Training Res. Center, Lackland Air Force Base, Tex, 56-57; asst. prof. psychol, North Carolina, 57-63; co-dir, div. math. psychol, Inst. for Res, Pa. State Col, 63; res. psychologist, decision sci. lab, Electronic Sys. Div, L.G. Hanscom Field, Mass, 63-65; PRES, SHUFORD-MASSENGILL CORP, 65- U.S.A.F., 56-57, Res, 51-56, 57-, Capt. AAAS; Psychol. Asn; Statist. Asn; Psychomet. Soc; Inst. Math. Statist; Ed. Res. Asn; Nat. Coun. Measurement in Ed. Development of mathematical theories of behavior; decision theory; psychometrics; educa-

tional measurement. Address: Shuford-Massengill Corp, 1 Wallis Court, Lexington, Mass. 02173.

SHUGERMAN, ESTELLE E (DNA), b. New York, N.Y., Jan. 9, 15. CHILD PSYCHOLOGY. B.A., Hunter Col, 34, M.A., 36; Columbia, 36-37. Res. psychologist, Bellevue Psychiat. Hosp, New York, 41; clin. psychologist, ment. hyg. clin, Queens Hosp. Center, Jamaica, 42-65; SR. PSYCHOLOGIST, BELLEVUE PSYCHIAT. HOSP, 65- Consult. psychologist, probtn. dept, Nassau County Courts, N.Y., 59-60. Dipl. Am. Ed. Exam. Prinf. Psychol, 50- Psychol. Asn. Child development, especially emotionally disturbed and handicapped in relation to development and school progress. Publ: *Training in remedial reading and psychotherapy*, Am. J. Psychother; *Symposium—emotional disturbance—infancy: counseling the family*, New Outlook for Blind. Address: 700 W. 176th St, New York, N.Y. 10033.

SHULL, DR. BERNARD, Econ, see 10th ed, Soc. & Behav. Vols.

SHULL, PROF. CHARLES W (ILLIAM), b. Kouts, Ind, May 26, 04; m. 35; c. 2. POLITICAL SCIENCE. A.B., Ohio Wesleyan, 26; A.M., Ohio State, 27, univ. fel, 28-29, Ph.D. (polit. sci), 29. Instr. Kentucky, 29-30; govt, WAYNE STATE, 30-36, asst. prof, 36-43, assoc. prof, 43-50, PROF, 50-55, POLIT. SCI, 55- Consult, Mich. Constitutional Convention, 61-62. Polit. Sci. Asn; Am. Geog. Soc; Acad. Polit. & Soc. Sci; Acad. Polit. Sci; Soc. Pub. Admin. Apportionment and representation; congressional investigation. Publ: *American experience with unicameral legislatures*; *Reapportionment of legislature in Michigan*; co-auth, *State constitutional revision*. Address: Dept. of Political Science, Wayne State University, Detroit, Mich. 48202.

SHULL, PROF. GORDON L (ICHTY), b. Bulsar, India, May 17, 25; U.S. citizen; m. 52; c. 3. POLITICAL SCIENCE. A.B., Manchester Col, 46; scholar, & B.D. Yale, 51; M.A., Illinois, 52, fel, 52-54, Ph.D., 55. Instr. POLIT. SCI, COL. WOOSTER, 55-58, asst. prof, 58-63, ASSOC. PROF, 63- Ford Found. fel. Indian studies, 67. Chmn. cmn. relig. & race, Presby. Synod, Ohio, 64-66. Polit. Sci. Asn. American foreign policy; international relations; American government; constitutional law. Publ: *The three wars of Vietnam*, Soc. Progress, 3/4-68. Address: Dept. of Political Science, College of Wooster, Wooster, Ohio 44691.

SHULMAN, DR. EDWARD, Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

SHULMAN, PROF. HARRY M (ANUEL), b. Chicago, Ill, Oct. 16, 98; m. 27. SOCIOLOGY. Ph.B., Chicago, 21; New Sch. Soc. Res, 21; Columbia, 23-30. Res. dir, State Crime Cmn, N.Y., 26-31; dir. clin. surv, New York Dept. Correction, 32-34; Hawthorne-Cedar Knolls Sch, 35-36; asst. prof. sociol, CITY COL. NEW YORK, 38-51, assoc. prof, 51-57, prof. sociol, univ. & dir. inst. community res. & develop, 57-67, EMER. PROF. SOCIOLOGY, 67- Vis. assoc. prof, Barnard Col, Columbia, 52; dep. cmnr, New York Dept. Correction, 54-56. Consult, off. statist. standards, U.S. Bur. Budget, 64; exec. secy, N.J. State Crime Cmn, Trenton, 66-68. U.S.A., 18. Fel. Sociol. Asn. Criminology; penology; juvenile delinquency. Publ: *Juvenile delinquency in American society*; *The measurement of crime in the United States*, J. Criminal Law, Criminol. & Police Sci, 12/66; *A survey of crime control and prevention in New Jersey*, 3/68. Address: 50 Park Terrace E, New York, N.Y. 10034.

SHULMAN, PROF. LEE S (EYMOUR), b. Chicago, Ill, Sept. 28, 38; m. 60; c. 2. EDUCATIONAL PSYCHOLOGY. B.A., Chicago, 59, M.A., 60, Ph.D. (ed. psychol), 63. Asst. prof. ed. psychol, MICH. STATE, 63-65, assoc. prof, 65-68, PROF. ED. PSYCHOL. & MED. ED, 68- Summers, vis. assoc. prof, California, Los Angeles, 66 & vis. prof, Wisconsin, 68. Consult, pub. schs, Mich, 66- & Ill, 67- Mem, Nat. Proj. Headstart Res. Study Cmn, 66- Psychol. Asn; Ed. Res. Asn. Cognitive processes; school learning; medical education. Publ: *Co-auth, Learning by discovery: a critical appraisal*, Rand McNally, 66; *auth, Vocational development of mentally handicapped adolescents*, Mich. State Univ & U.S. Off. Ed, 67; *Seeking styles and individual differences in patterns of inquiry*, Sch. Rev, 65. Address: College of Education, Michigan State University, East Lansing, Mich. 48823.

SHULMAN, PROF. MARSHALL D (ARROW), b. Jersey City, N.J., Apr. 8, 16; m. 48, 60; c. 2. POLITICAL SCIENCE. B.A., Michigan, 37; Harvard, 39-40; univ. fel, Columbia, 47-48, M.A., 48, Ph.D., 59. Off. officer, U.S. Mission, UN, 49-50; spec. asst. to Secy. State, U.S. Dept. State, 50-53; assoc. dir, Russian Res. Center, Harvard, 54-67; prof. int. polit, Fletcher Sch. Law, 61-67; PROF. GOVT. & DIR. RUSSIAN INST, COLUMBIA, 67- Rockefeller pub. serv. award, 53-54. U.S.A.A.F., 42-48, Capt. Am. Polit. Sci. Asn; Int. Polit. Sci. Asn. Soviet foreign policy; Soviet-American relations; international politics. Address: Russian Institute, Columbia University, 622 W. 113th St, New York, N.Y. 10025.

SHULTZ, DEAN G (EORGE) P (RATT), b. New York, N.Y., Dec. 13, 20; m. 46; c. 5. ECONOMICS. B.A., Princeton, 42; Soc. Sci. Res. Coun. fel, 47-48; Ph.D., Mass. Inst. Tech, 49. Instr. econ, Mass. Inst. Tech, 48-49, asst. prof. indust. rels, 49-55, acting dir. indust. rels. sect, 54-55, assoc. prof. INDUST. RELS, 55-57; PROF, CHICAGO, 57-, DEAN GRAD. SCH. BUS, 66- Sperry & Hutchinson lectr, Tulane. Sr. staff economist, President's Coun. Econ. Adv, 56. Union mgt. coop. consult. U.S.M.C., 42-45, Maj. Econ. Asn; Indust. Rel. Res. Asn. Public policy and labor problems; labor market and wage determination; union management relationships; economics of technological change. Publ: *Pressures on wage decisions*; *Dynamics of a labor market*; *Management organization and the computer*. Address: Graduate School of Business, University of Chicago, Chicago, Ill. 60637.

SHULTZ, PROF. IRVIN TABOR, b. Newberg, Ore, Feb. 25, 92; m. 37; c. 2. PSYCHOLOGY. A.B., Earlham Col, 18; M.A., Columbia, 22; Ph.D. (ed. psychol), Pennsylvania, 28. Assoc. prof. psychol, Butler, 24-40; prof, Friends, 40-46, dean, 41-46; assoc. prof. PSYCHOL, BAYLOR, 46-49, prof, 49-62, EMER. PROF, 62- AAAS; fel. Psychol. Asn. Teacher training; psychology of tuberculosis; learning. Address: 2729 Baylor, Waco, Tex. 76711.

SHULTZ, DR. MEYER, b. Brooklyn, N.Y., June 22, 10; m. 55. PSYCHOLOGY. B.S., City Col. New York, 29; A.M., Columbia, 31; Berlin, 31-33; Ph.D. (psy-

choll), American Univ, 61. Personnel asst, res. div, U.S. Civil Serv. Cmn, 39-43; head, statist. anal. sub. unit, test develop, U.S. Civil Serv. Cmn, 46-52; head, prnl. off. testing unit, 53-60; head, Off. Fiscal & Enforcement Selection Methods Unit, 60-65; CONSULT. PSYCHOL, U.S. GOVT. & INDUST, 66- Private practice, 66- U.S.A., 43-46, Res, 46-52, 1st Lt. Psychol. Asn; Psychomet. Soc. Psychological tests and other devices for diagnoses and personnel selection purposes. Publ: Tests of listening and ability to carry out oral instructions; Typing tests: visual copy versus recordings, Pub. Personnel Rev; Validation of a pencil and paper test battery for ten major groups of office machine operators, Am. Psychologist. Address: 1812 Allison St. N.W., Washington, D.C. 20011.

SHUMAKER, DR. JOSEPH McDONOUGH, Polit. Sci, see 10th ed, Soc. & Behav. Vols, deceased 65.

SHUMAN, PROF. R. BAIRD, Eng. Ed, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

SHUMAN, PROF. RONALD B(USWELL), b. Owatonna, Minn, Mar. 22, 08. MANAGEMENT. A.B. Hamline, 28, LL.D. 52; A.M. Minnesota, 29, Ph.D. (econ), 34. Vis. asst. prof, Washington (Seattle), 34-35; asst. prof. MGT, OKLAHOMA, 35-38, assoc. prof, 38-44, prof, 44-51, res. prof, 51-68, CROSS RES. PROF, 68-, CURATOR, BASS COLLECTION BUS. HIST, 60- Soc. Sci. Res. Coun. grant-in-aid, 40; indust. technician, Nat. Resources Planning Bd, 41. U.S.A., 41-46, Col. Acad. Mgt; Soc. Adv. Mgt; Econ. Asn; Indust. Rels. Res. Asn. Theory and practice of organization and administration; business history; personnel relations. Publ: The petroleum industry; The management of men; ed, On the contracts of merchants, Univ. Oklahoma, 66. Address: Dept. of Management, University of Oklahoma, Norman, Okla. 73069.

SHUPP, DR. FRANKLIN RICHARD, b. Palmerton, Pa, May 9, 32; m. 59; c. 2. ECONOMICS. B.S., Lafayette Col, 54; M.A., Princeton, 57, Ph.D., 60; res. fel, Edinburgh, 58-59. Asst. ECON, Princeton, 57-58; asst. prof, ILLINOIS, URBANA, 59-63, ASSOC. PROF, 63- Fulbright sr. res. scholar, Oslo, 65-66. Econ. Asn; Statist. Asn; Economet. Soc. Micro and macro economic theory; mathematical economics; welfare economics. Address: Dept. of Economics, University of Illinois, Urbana, Ill. 61801.

SHURE, DR. GERALD H(YMEN), b. Chicago, Ill, Mar. 8, 27; m. 47; c. 2. PSYCHOLOGY. S.B. Chicago, 49, Ph.D. (psychol), 54. Psychol. trainee, Vet. Admin, 51-53; asst. prof. ed. psychol, Utah, 53-56, res. assoc, dept. psychiat, 55-56; from asst. to assoc. soc. scientist, Rand Corp, 56-57; sr. human factor scientist, SYST. DEVELOP. CORP, 60-66, SR. SCIENTIST & HEAD BEHAV. GAMING & SIMULATION, 66- Resident prof, Univ. California, Los Angeles, 68- U.S.N.R., 45-46. Int. Peace Res. Asn. Bargaining, negotiation and conflict resolution; small group research; methodological problems of research design, data collection and analysis; on-line computer techniques for research. Publ: Cerebral localization of intellectual processes, Psychol. Monogr, 58; The effectiveness of pacifist strategies in bargaining games, Conflict Resolution, 65; A personality-attitude schedule for use in experimental bargaining studies, J. Psychol, 67. Address: 735 Muskingum Ave, Pacific Palisades, Calif. 90272.

SHURLEY, DR. JAY TALMADGE, b. Eldorado, Tex, Dec. 20, 17; m. 64; c. 3. PSYCHIATRY. B.A. Texas, 40, M.D. 42. Asst. demonstr. psychiatrist, Jefferson Med. Col, 44-50; private practice, 51-53; acting chief, adult psychiatrist, br. Nat. Inst. Mental Health, 55-57; prof. PSYCHIAT, SCH. MED, OKLAHOMA, 57-62, CAREER RES. PROF, 62-; SR. MED. INVEST, VET. ADMIN, 61- Dir. Markle unit insulin therapy, Pa. Hosp, Phila, Pa, 45-50; res. fel. psychiatrist, Hall-Mercer Hosp, 48-50; prin. invest, Nat. Sci. Found. grant, psychophysiol. study of sleep at South Pole, 65- Consult, Naval Hosp, Phila, 48-50. Chmn, Vet. Admin. Nat. Prog. Cmt. Psychiat, Neurol. & Psychol, 61-64; Vet. Admin. liaison mem. behav. sci. study sect, div. res. grants, Nat. Insts. Health, 62-67. Dipl, Am. Bd. Psychiat. & Neurol, 54. A.U.S. 52-54, Capt. Fel. AAAS: fel. Am. Psychiat. Asn; fel. Am. Med. Asn; Asn. Psychophysiol. Study Sleep; Soc. Psychophysiol. Res. Psychophysiology, especially sensory isolation and deprivation; sleep, dreaming and waking; psychotherapy; psychoanalysis; space psychiatry; extreme environments. Publ: ProFOUND experimental sensory isolation; Am. J. Psychiat, 60; The hydrodynamic environment, Proc. World Cong. Psychiat, McGill Univ, 61; Reduced sensory input states, In: Hypodynamics and hypogravics, Academic, 68. Address: Veterans Administration Hospital, Oklahoma City, Okla. 73104.

SHURRAGER, DR. HARRIETT C(ANTRALL), b. Athens, Ill, Feb. 21, 14; m. 37; c. 1. PSYCHOLOGY. A.B. MacMurray Col, 36; M.S. Illinois, 37, Ph.D. (psychol), 40. Instr. PSYCHOL, St. Lawrence, 41-42; lectr, ILL. INST. TECH, 46-54, asst. prof, 54-62, ASSOC. PROF, 62-, SECY. TO DEPT, 49- Psychol. Asn. Physiological psychology; tests and measurements; learning; vocational rehabilitation of the blind. Publ: Measurement of memory on an absolute scale; Converting a spinal CR into a reflex; Haptic intelligence scale for adult blind. Address: Dept. of Psychology, Illinois Institute of Technology, Chicago, Ill. 60616.

SHURRAGER, PROF. P(HILL) S(HERIDAN), b. Erie, Pa, Dec. 26, 07; m. 37; c. 1. PSYCHOLOGY. B.S. Muskingum Col, 30; M.A. Ohio, 32; summers, Ohio State, 31-33; univ. fel, Clark, 35-36; univ. fel, Illinois, 36-38, Ph.D. 39; univ. fel, Rochester, 38-39. Instr. biol, Ohio, 31-35; Nat. Res. Coun. fel. psychol, Rochester, 39-40; vis. asst. prof, Pennsylvania, 40-41; instr. St. Lawrence, 41-42; acting asst. dir, Brit. Ministry Supply Mission, 42-44; indust. psychologist, Stevenson, Jordan & Harrison, Inc, 44-46; PROF. PSYCHOL. & CHMN. DEPT. PSYCHOL. & ED, ILL. INST. TECH, 46-; PROF. PSYCHOL, CHICAGO MED. SCH, 67- Ichthyologist, bur. sci. res, State Dept. Agr, Ohio, 31-35; lectr, med. sch, Northwestern, 54- Consult, IIT Res. Inst, 50-; Psychol. Res. Bus. Consult. & Publishers. Dipl, Am. Bd. Exam. Prnl. Psychol, 48. AAAS; fel. Psychol. Asn; Soc. Exp. Biol; Soc. Eng. Ed; Acad. Neurol; N.Y. Acad. Sci. Ecology of fishes; localization of learning in cortex and isolated spinal cord; biochemistry of vision; industrial aptitude test construction and publication; testing blind performance. Address: Dept. of Psychology & Education, Illinois Institute of Technology, Life Science Bldg, Chicago, Ill. 60616.

SHURTLEFF, DEWEY, Pub. Health, Statist, see Suppl. V to 11th ed, Phys. & Biol. Vols.

SHURTLEFF, DR. DONALD A(LAN), b. Hanover, Mass, July 1, 29; m. 56; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Boston, 52, M.A., 57, Ph.D. (psychol), 62. MEM. STAFF, MITRE CORP, 62- Psychol. Asn. Factors affecting the human's performance with visual displays, especially display legibility and other features of display quality. Address: Bldg. F, Room 123, Mitre Corp, Bedford, Mass. 01730.

SHUTE, JOHN, b. Boston, Mass, June 13, 07; m. 49. ECONOMICS. S.B. Mass. Inst. Tech, 31; A.M. Harvard, 39, fel, 40-41. Instr. econ, Mass. Inst. Tech, 35-37; assoc. prof. sociol, Suffolk, 39-40; researcher, Cmt. Res. Soc. Sci, 40; Nat. Resources Planning Bd, 41; rationing exec, Off. Price Admin, Hawaii, 42-45; asst. dep. chief mission, UNRRA, 45-46; chief non-res. construct. div, Nat. Housing Agency, 46-47; private res, 48-49; asst. chief price br, Econ. Coop. Admin, 49-51; chief price br, Mutual Security Agency, 51-55; dir. financial & procurement methods div, Int. Coop. Admin, 55-60, DIR. FINANCIAL POLICY STAFF, AGENCY INT. DEVELOP, 60- Instr, Erskine Jr. Col, 37-41. Econ. Asn; Soc. Int. Develop. Economic development; finance; international trade. Publ: Czechoslovakia's territorial and population changes, Econ. Geog; Social security system & Streamlining the dismal science, Mech. Eng. Address: 3536 Edmunds St. N.W., Washington, D.C. 20007.

SHUTLER, DR. MARY ELIZABETH, b. Oakland, Calif, Nov. 14, 31; m. 51; c. 3. ANTHROPOLOGY. B.A. California, Berkeley, 51; Nat. Sci. Found. fel. & M.A. Arizona, 58, Ph.D. (anthrop), 67. ASST. PROF. ANTHROP, California, Davis, 62-63; SAN DIEGO STATE COL, 67- Fel. Anthropol. Asn. Culture change; Melanesian archaeology. Address: Dept. of Anthropology, San Diego State College, San Diego, Calif. 92115.

SHUTLER, DR. RICHARD, JR, b. Longmont, Colo, Dec. 8, 21; m. 51; c. 3. ANTHROPOLOGY. A.B. California, 49, M.A., 50; Ph.D. (anthrop), Arizona, 61. Asst. mus. paleont, California, 47, sr. mus. preparator, mus. anthrop, 50-54; Nev. State Mus. grant, 55; fel, Ariz. State Mus, 55-56; asst. carbon-14 lab, Arizona, 56-58, geochronol. labs, 58-59; curator archeol. & ethnol, Nev. State Mus, 59-66; ANTHROPOLOGIST, BISHOP MUS, 66- Collab, U.S. Nat. Park Serv, 53-; Viking Fund grant-in-aid, S. Pacific, 51; Sigma Xi res. grant, Heye Found, N.Y., 57. Sig.C. U.S.A., 42-44; U.S.A.A.F., 44-46. AAAS; Soc. Archaeol; Anthropol. Asn. Archaeology, especially Great Basin and Oceania; geochronology, especially pollen analysis and carbon-14 dating. Address: Bishop Museum, 1355 Kalihl, Honolulu, Hawaii 96819.

SHUTTLESWORTH, PROF. GUY EUGENE, b. Bullard, Tex, June 22, 30; m. 47; c. 3. SOCIOLOGY, SOCIAL WORK. B.S., Stephen F. Austin State Col, 57; M.S. Tex. Col. Arts & Indust, 62; M.S.W., Our Lady of the Lake Col, 62; Pittsburgh, 64-66. Dir. soc. serv, S. Tex. Children's Home, 57-62; ASSOC. PROF. SOCIOL. & SOC. WORK, BAYLOR, 62- Consult, Family Counseling & Children's Serv, 62-; Waco Independent Sch. Dist, 63-64; exten. div, Oklahoma, 66-67. U.S.A.F., 48-53, S/gt. Nat. Asn. Social Workers; Acad. Cert. Social Workers. Marriage and family; delinquency; development of pattern-analytical model in juvenile delinquency research. Address: Dept. of Sociology, Baylor University, Waco, Tex. 76703.

SHUVAL, DR. JUDITH, b. New York, N.Y., Aug. 24, 25; m. 52; c. 3. SOCIOLOGY. B.A. Hunter Col, 47; A.M., Radcliffe Col, 49, Ph.D., 55; fel, Harvard, 54-55. SR. RES. ASSOC. SOCIOL, ISRAEL INST. APPL. SOC. RES, 49- Lectr, Hebrew Univ, 58-; asst. prof, Michigan, 61-62. Mem. coun, Int. Sociol. Asn, 66-70. Deroy award, Soc. Study Social Probs, 57. Sociol. Asn; Israel Psychol. Asn. Medical sociology; immigration; ethnic relations; urban sociology. Publ: Immigrants on the threshold, Atherton, 63; Patterns of intergroup tension and affinity, Int. Bull. Soc. Sci; Some persistent effects of trauma, Soc. Probs. Address: Israel Institute of Applied Sociology, 19 George Washington St, Jerusalem, Israel.

SHYNE, DR. ANN W, b. Troy, N.Y., July 10, 14. SOCIAL ECONOMICS. B.A., Vassar Col, 35; M.A., Bryn Mawr Col, 37, fel, 40-41, Ph.D. (soc. res. & econ), 43. Asst. Riggs Found, Mass, 37-39; case worker, Community Serv, Belleville, N.J. 41-42; psychiatrist, soc. worker, Riggs Clin, Pittsfield, Mass, 42-44; instr, grad. dept. soc. econ, Bryn Mawr Col, 44-45; res. consult, Family Serv. Asn. Am, N.Y., 45-55; res. assoc, Community Serv. Soc, 55-63, dir. inst. welfare res, 63-68; DIR. RES, CHILD WELFARE LEAGUE AM, 68- Mem. adv. group, child welfare res. & demonstration grants prog, U.S. Children's Bur, 66- Sociol. Asn. Social work. Publ: Ed, Use of judgements as data in social work research. Address: Apt. 3-H, Brooklands 3, Bronxville, N.Y. 10708.

SIBLEY, DR. ELBRIDGE, b. Worcester, Mass, Sept. 19, 03. SOCIOLOGY. A.B. Amherst Col, 24; M.A., Columbia, 25, Gilder fel, 25-26, Ph.D., 30. Asst. dir, Near E. Surv, 26-27; vital statistician, City Health Dept, N.Y., 27-28; prof. statist, Fisk, 28-29; statistician, State Dept. Pub. Health, Tenn, 29-32; asst. prof. sociol, Bowdoin Col, 32-38, assoc. prof, 38-40; mem. staff, U.S. Bur. Budget, 40-44; SOC. SCI. RES. COUN, 44-48, EXEC. ASSOC, 48- Instr, Vanderbilt, 30-32. Fel. AAAS; fel. Sociol. Asn; Statist. Asn; Pop. Asn. Social statistics; education in social science. Publ: Recruitment, selection and training of social scientists; The education of sociologists in the United States, Russell Sage Found, 63; Some demographic clues to stratification, Am. Soc. Rev. Address: 230 Park Ave, New York, N.Y. 10017.

SIBLEY, PROF. MULFORD Q(UICKERT), b. Marston, Mo, June 14, 12; m. 42; c. 2. POLITICAL SCIENCE. A.B. Cent. State Col. (Okla), 33; A.M. Oklahoma, 34; Ph.D. Minnesota, 38. From instr. to asst. prof. POLIT. SCI, Illinois, 38-48; assoc. prof, MINNESOTA, MINNEAPOLIS, 48-57, PROF, 57- Vis. prof, Stanford, 57-58; Cornell, 62-63; State Univ. N.Y. Binghamton, 67-68. Co-recipient, Roosevelt Found. Prize, 53. Fel. AAAS; Polit. Sci. Asn; Am. Studies Asn; Soc. Polit. & Legal Philos; Acad. Polit. & Soc. Sci; Brit. Soc. Psychol. Res; Am. Soc. Psychol. Res. Political and social theory; civil liberties. Publ: Co-auth, Conscript of conscience; Introduction to social science: personality, work, community; auth, The quiet battle, Anchor, 63. Address: Dept. of Political Science, Social Science Bldg, University of Minnesota, Minneapolis, Minn. 55455.

- SIBLEY, DR. RALPH F(RANK)**, b. Troy, N.Y., June 1, 36; m. 62; c. 1. **PSYCHOLOGY**. A.B. Syracuse, 56; Cornell, 61-62; fel. State Univ. N.Y. Buffalo, 65-66, Ph.D.(clin. psychol.), 67. **ASST. PROF. PSYCHOL.** NEW HAMPSHIRE, 66- Instr. N.H. Summer Inst. Voc. Ed, 67; Univ. New Hampshire res. grant, 67-68. Consult. N.H. Correctional Staff Training Proj, 67-68. U.S.A., 58-61. Psychol. Asn. Psycholinguistics; personality and voice; interpersonal behavior. Address: 56 Madbury Rd, Durham, N.H. 03824.
- SIBLEY, DR. WILLIS E(LBRIDGE)**, b. Nashville, Tenn., Feb. 22, 30; m. 56; c. 3. **ANTHROPOLOGY**. B.A. Reed Coll, 51; M.A. Chicago, 53, Ph.D., 58; Fulbright scholar, Philippines, 54-55. Instr. sociol. & anthrop. Miami (Ohio), 56-58; asst. prof. ANTHROP, Utah, 58-60; WASHINGTON STATE, 60-64, ASSOC. PROF., 64- Nat. Inst. Ment. Health grant, 59-; Nat. Sci. Found. res. grant, Philippines, 64-68; asst. Fulbright res. award, Philippines, 64-65; Nat. Acad. Sci.-Nat. Res. Coun. travel grant, Pac. Sci. Cong, Tokyo, 66; Dept. Health, Ed. & Welfare res. grant seminar higher ed. soc, 67. Fel. AAAS; fel. Anthropol. Asn; Ethnol. Soc; fel. Soc. Appl. Anthropol; Asn. Asian Studies. Social organization; cultural-social change; anthropology of education; technology and culture; Philippines, Southeast Asia and North America. Publ: Social structure and planned change: a case study from the Philippines, Human Orgn, winter 60-61; Culture, education and national development: tentative observations on the Philippine case, Philippine Ed. Forum, 65; Riots and technological change, Res. studies, Wash. State Univ, 9/67. Address: Dept. of Anthropology, Washington State University, Pullman, Wash. 99163.
- SICHEL, DR. WERNER**, b. Munich, Germany, Sept. 23, 34; m. 59; c. 2. **ECONOMICS**. B.S. N.Y. Univ, 56; M.A. Northwestern, 60, Ph.D., 64. Teaching asst. ECON, Northwestern, 57-58; asst. prof. Roosevelt, 59-60; instr. WESTERN MICHIGAN, 60-64, asst. prof. 64-66, ASSOC. PROF., 66- Instr. Lake Forest Col, 59-62; bus. consult. 66-67. Econ. Asn. Industrial organization. Publ: Industrial organization and public policy: selected readings, Houghton, 67; Fire insurance: imperfectly regulated collusion, J. Risk & Ins, 3/66; The Proctor & Gamble-Clorox decision and the economics of conglomerate mergers, Antitrust Bull, 12/67. Address: Dept. of Economics, Western Michigan University, Kalamazoo, Mich. 49001.
- SICHER, DR. LYDIA**, Psychol, see 10th ed, Soc. & Behav. Vols.
- SICKELS, DR. ROBERT J.**, b. Nyack, N.Y., June 26, 31; m. 67; c. 1. **POLITICAL SCIENCE**. B.A. Chicago, 50, M.A., 54; Ph.D.(polit. sci.), Hopkins, 60. Instr. polit. sci. Col. Wooster, 53-54; Skidmore Col, 57-58; asst. prof. Vermont, 58-61; lectr. Maryland, 61-63; asst. staff dir, President's Cmn. Registr. & Voting Participation, 63-64; assoc. dir. exec. insts. U.S. Civil Serv. Cmn, 64-65; ASSOC. PROF. POLIT. SCI, PURDUE, 65- Polit. Sci. Asn; Law & Society Asn. American government and politics; judicial behavior; public law; public administration. Publ: The public utility franchise in Maryland, Univ. Maryland, 63; The illusion of judicial consensus, Am. Polit. Sci. Rev, 3/65; Who's afraid of reapportionment?, Yale Law J, 7/66. Address: Dept. of Political Science, Purdue University, Lafayette, Ind. 47907.
- SIDDALL, DR. WILLIAM R(ICHARD)**, b. Bronxville, N.Y., Apr. 25, 28; m. 51; c. 2. **GEOGRAPHY**. A.B. Harvard, 50; M.A. Washington (Seattle), 55, Ph.D. (geog.), 59. Mem. exec. training prof. Gen. Elec. Co, 51-53; instr. GEOG. Middlebury Col, 57-59; asst. prof. 59-60; Wis. State Col. Superior, 60-62; KANSAS STATE, 62-66, ASSOC. PROF. & CHMN. DIV, 66- Nat. Sci. Found. grant, Northwestern, 61; summer vis. asst. prof. Washington (Seattle), 62. Nat. Guard, 50-54. Asn. Am. Geog. Economic geography, especially transportation; philosophy of geography; Anglo-America and Europe. Publ: Transportation geography: a bibliography, Kansas State Univ. Library, revised ed, 67; Yukon waterway in the development of interior Alaska, Pac. Hist. Rev; Wholesale retail trade ratios as indices of urban centrality, Econ. Geog. Address: Division of Geography, Kansas State University, Manhattan, Kans. 66502.
- SIDDIQI, DR. AKHTAR HUSAIN**, b. Budaun, India, Apr. 20, 25; m. 66. **GEOGRAPHY**. B.A. Aligarh Muslim Univ, India, 46; M.A. London Sch. Econ, 53; Ph.D.(geog.), London, 59. Planning officer, Pakistan Planning Bd, Karachi, 54-55; sr. lectr. geog. Dacca, 55-60; chief planning officer econ. res. Pakistan Int. Air Lines, 61-62; fel. econ. geog. Purdue, 63-64; asst. prof. GEOG. INDIANA STATE, 64-67, ASSOC. PROF., 67- Fel. Asn. Am. Geog. Economic geography; India and Pakistan. Publ: A regional study of the Budaun District, U.P. India, Indian Geog. J, 50; Industries in the lower Indus Basin, 60 & Woollen textile industry of Pakistan, 65, Oriental Geogr. Address: Dept. of Geography, Indiana State University, Terre Haute, Ind. 47809.
- SIDDIQUI, PROF. M(OHAMMED) M(OINUDDIN)**, Math. Statist, see 11th ed, Phys. & Biol. Vols.
- SIDERITS, DR. MARY ANNE TERESA**, b. Milwaukee, Wis., Mar. 28, 36. **PSYCHOLOGY**. A.B. Marquette, 57; Woodrow Wilson & Univ. fcls, Michigan, 57-58, A.M., 58, Ph.D.(psychol.), 66. Instr. PSYCHOL, MARQUETTE, 61-65, ASST. PROF., 66- CLIN. PSYCHOLOGIST, 61- Summer psychol. consult. Nat. Defense Ed. Act Inst, Alverno Col, 65 & 66. Psychol. Asn. Relationship between children's expression of fantasy on projective test material, specifically the Rorschach and a drawing device, and specified personality attributes. Address: Dept. of Psychology, Marquette University, Milwaukee, Wis. 53233.
- SIDLEY, DR. NORMAN A.**, Exp. Psychol, see 11th ed, Phys. & Biol. Vols.
- SIDMAN, DR. MURRAY**, Psychol, see 10th ed, Soc. & Behav. Vols.
- SIDORSKY, DR. RAYMOND C(ONSTANTINE)**, b. Bristol, Pa., Aug 10, 28; m. 50; c. 1. **EXPERIMENTAL PSYCHOLOGY**. B.S. Juniata Col, 50; M.A., Ohio State, 51, fel. lab. aviation psychol, 53-54, Ph.D., 54. Psychologist, ELEC. BOAT DIV, GEN. DYNAMICS CORP., 57-59, HEAD HUMAN FACTORS SECT, 59- Med.Serv.C, 55-57, 1st Lt. Psychol. Asn; Human Factors Soc; Inst. Elec. & Electronics Eng. Visual displays; information processing; decision making processes in an operational gaming context. Publ: Absolute judgments of static perspective transformations & Empirical validity of equal discriminability, J. Exp. Psychol; Investigation of the one-surface contact analog for use in submarine depth control, Human Factors. Address: Human Factors Section, Electric Boat Division, General Dynamics Corp, Groton, Conn. 06340.
- SIDOWSKI, PROF. JOSEPH**, b. Wilmington, Del., June 25, 25. **EXPERIMENTAL PSYCHOLOGY**. B.A. Pomona Col, 52; M.S. Wisconsin, 54, fel. 55-56, Ph.D., 56. From instr. to assoc. prof. PSYCHOL, SAN DIEGO STATE COL, 56-61, PROF., 62- Nat. Insts. Health fel. Brain Res. Inst, California, Los Angeles, 63-64; vis. scientist, Wis. Regional Primate Res. Center, 68-69. Ed. Behav. Res. Methods & Instruments, 68- U.S.A., 43-45. AAAS; Psychol. Asn. Publ: Experimental methods and instruments in psychology, McGraw, 66. Address: Dept. of Psychology, San Diego State College, San Diego, Calif. 92115.
- SIDWELL, RICHARD T(ULL)**, b. Lafayette, Ind., Apr. 18, 20; m. 50; c. 2. **CLINICAL PSYCHOLOGY**. B.S. Purdue, 42; M.A. Western Reserve, 49. Chief psychologist, Childrens Aid Soc, 48-52; clin. psychologist, Blossom Hill Sch, Ohio, 52-55; proj. dir, Voc. Guid. & Rehab. Serv, 55-60, res. & training dir, 60-62; supt. Blossom Hill Sch, 62-66; SUPT. BESSIE BENNER METZENBAUM CHILDRENS CENTER CUYAHOGA COUNTY, 66- Med. Admin.C, 42-46, Capt. Psychol. Asn; Evaluation of work potentials and adjustment of vocational problems of physically and emotionally disabled; problems of emotionally disturbed children with assessment of physical manifestations exhibited in electroencephalograms. Publ: Preliminary correlative study of primary behavior disorders in children with special reference to electroencephalography, Quart. J. Child Behav; Rehabilitation counseling internship: academic or practical? Address: 13114 Cherokee Trail, Middleburg Heights, Ohio 44130.
- SIEBERT, DR. CALVIN DOUGLAS**, b. Hillsboro, Kans., Feb. 11, 34; m. 60; c. 2. **ECONOMICS**. B.A. Kansas, 58, M.A., 60; univ. fel. California, Berkeley, 63-64, Ford Found. fel. 64-65, Ph.D.(econ), 66. ASST. PROF. ECON, IOWA, 65- Am. Econ. Asn; Economet. Soc; Royal Econ. Soc. Investment behavior; wage-price mechanism. Address: Dept. of Economics, University of Iowa, Iowa City, Iowa 52240.
- SIEBERT, DR. JEROME BERNARD**, b. Fresno, Calif., Dec. 12, 38; m. 60; c. 2. **AGRICULTURAL ECONOMICS**. B.S. California, Davis, 60; Ph.D.(agr. econ), California, Berkeley, 64. Res. asst. agr. econ, California, Berkeley, 62-63; grower rels. rep. Sunkist Growers, Inc, Calif, 63-64; ECONOMIST, AGR. EXTEN. SERV., CALIFORNIA, BERKELEY, 66- Consult. milk pooling formulation cmt, State Dept. Agr, Calif, 67- Mem. Nat. Poultry Surv. Cmt, 66-; Walnut Control Bd, 67- Qm.C, U.S.A., 64-66, 1st Lt. Agr. Econ. Asn; Econ. Asn. Agricultural marketing and business management; pricing and demand problems in the milk and poultry industries. Publ: Co-auth. A guide for measuring the relative profitability of alternative work methods, 2/66; A market study of corn production in California, 12/67 & auth. An analysis of the California potato industry's market alternatives, 12/67, Agr. Exten. Serv. Univ. California. Address: University of California, 319 Giannini Hall, Berkeley, Calif. 94720.
- SIEBRECHT, DR. ELMER B(RADLEY)**, b. Zumbrota, Minn., Apr. 5, 99; m. 52. **PSYCHOLOGY**. A.B. St. Olaf Col, 26; A.M. Minnesota, 34; fel. N.Y. Univ, 39-41, Ed.D.(ed. psychol.), 41. Pres. Gale Col, 36-39; admin. asst. & instr. N.Y. Univ, 39-45, Whitney fel. 44-45; dean, Gustavus Adolphus Col, 45-52; vis. prof. psychol. & res. assoc. Iowa State Col, 52-55; assoc. prof. psychol. & ed, SEATTLE PAC. COL, 55-60, prof. ed. & dean SCH. ED, 60-65, EMER DEAN, 65- Ed. specialist, pub. schs. N.Y., 44-45. Consult. U.S. Dept. Army Air Force, 43-44. AAAS; Psychol. Asn. Psychological tests and measurements, measurement of attitudes; highway safety and traffic accidents; safety education and driver characteristics. Publ: Education for safe living; Measuring driver attitudes; Siebrecht attitude scale. Address: 909 W. Blaine St, Seattle, Wash. 98119.
- SIEGAL, DR. RICHARD S(PENCER)**, Clin. Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.
- SIEGEL, PROF. ABRAHAM J.**, b. New York, N.Y., Nov. 6, 22; m. 46; c. 3. **ECONOMICS, INDUSTRIAL RELATIONS**. B.A. City Col. New York, 43; M.A., Columbia, 49; Ph.D. California, Berkeley, 61. Instr. econ, City Col. New York, 47-49; res. economist, inst. indust. rels, California, Berkeley, 53-54, lectr. exten. div, 53-54; from instr. to PROF. ECON. & ASSOC. DEAN SLOAN SCH. MGT. MASS. INST. TECH, 54- From vis. asst. prof. to vis. assoc. prof. Brandeis, 56-60; spec. lectr. sch. bus. Harvard, 61-64; prin. mem. div. Int. Inst. Labour Studies, Geneva, 64-65. Consult. labor indust. & govt. 58-; assoc. staff dir, study cmm. national labor policy, Cmt. Econ. Develop, 60-61. U.S.A.A.F., 43-46. Econ. Asn; Indust. Rels. Res. Asn; Arbit. Asn. Publ: The post World War II economic recovery of Nashua, New Hampshire, Area Redevelop. Admin, U.S. Dept. Commerce, 64; Impact of computers on collective bargaining, M.I.T. Press, 69; Shifting concepts of worker security, Monthly Labor Rev, 2/66. Address: Alfred P. Sloan School of Management, Room E 52-474, Massachusetts Institute of Technology, 50 Memorial Dr, Cambridge, Mass. 02139.
- SIEGEL, DR. ALBERTA E(NGVALL)**, b. Pasadena, Calif., Feb. 24, 31; m. 54; c. 1. **PSYCHOLOGY**. A.B. Stanford, 51, M.A., 54, Ph.D.(develop. & soc. psychol.), 55. Fel. psychol. Am. Asn. Univ. Women, 55-56; asst. prof. child develop, Pa. State, 56-58, assoc. prof. 58-61; fel. Center Adv. Study Behav. Sci, 61-63; res. assoc. & lectr. STANFORD, 63-65, ASSOC. PROF. PSYCHOL. IN PSYCHIAT, 65-, asst. prof. 57-58. Elizabeth McCormick Mem. Fund grant; U.S. Pub. Health Serv. grant. Mem. ment. health res. career award cmt, Nat. Inst. Ment. Health, 66-70. AAAS; fel. Psychol. Asn; fel. Soc. Res. Child Develop, 64-68). Methodology in child study; social psychology in childhood. Publ: Co-auth. Choice, Strategy and utility, McGraw, 64; The working mother: a review of research, Child Develop, 34: 513-542; Non-verbal probability judgments by young children, Child Develop, 33: 769-780. Address: Dept. of Psychiatry, Stanford University, Medical School Room R 315, Stanford, Calif. 94304.

SIEGEL, DR. ARTHUR I(RVING), b. New York, N.Y., Dec. 1, 21; m. 49; c. 2. PSYCHOLOGY. Ph.D., N.Y. Univ., 52. Asst. psychol., N.Y. Univ., 48-52; proj. dir., Inst. for Res. Human Rel., 52-55; DIR., APPL. PSYCHOL. SERV., 55-58, Queens Col. & res. assoc., Fordham, 51-52. Dipl. Indust. psychol., Am. Bd. Exam. Prinf. Psychol., 66- U.S.C.G., 42-46. Fel. Psychol. Asn.; Human Factors Soc.; Aerospace Med. Asn. Engineering and physiological psychology; personnel and training. Publ: Interobserver consistency for measurement of the intangible products of performance, J. Appl. Psychol.; Deprivation of visual form definition in the ring dove, J. Comp. & Physiol. Psychol.; Motor hypothesis of perceptual development, Am. J. Psychol. Address: 165 Hillside Circle, Villanova, Pa. 19085.

SIEGEL, PROF. BARRY N(ORMAN), b. Chicago, Ill., June 4, 29; m. 52; c. 3. ECONOMICS. A.B., California, 51, Ph.D., 57. Asst. prof. ECON., Utah, 57-61; assoc. prof. OREGON, 61-66, PROF., 66- Smith-Munt summer teaching fel., Nuevo Leon, Mex., 60; Fulbright lectr., Yugoslav Inst. Econ. Res., 67-68. U.S.A., 46-47. Econ. Asn.; Finance Asn.; Royal Econ. Soc. Money and banking; economic theory; economics of higher education. Publ: Aggregate economics and public policy; Inflacion y desarrollo; co-auth, Demand for higher education in the United States, 1919-64, Am. Econ. Rev., 6/67. Address: Dept. of Economics, University of Oregon, Eugene, Ore. 97403.

SIEGEL, PROF. BERNARD J(OSEPH), b. Superior, Wis., Oct. 26, 17; m. 42; c. 2. SOCIAL ANTHROPOLOGY. A.B., Harvard, 39; Ph.D.(anthrop.), Chicago, 44. Asst., Yale, 42-44; instr., Brooklyn Col., 44-46; asst. prof., Wyoming, 46-47; from asst. prof. to assoc. prof. ANTHROP., STANFORD, 47-56, PROF., 56- Soc. Sci. Res. Coun. area res. fel., 49-50, faculty res. fells, 53-56 & 66-67; field res. cattle-cotton plantation in northeast Brazil & Agr. Develop. Coun. res. grant, 66-67. Anthropol. Asn.; Sociol. Asn. Social structure; dynamics of social and cultural change; problems of understanding peasant societies; studies in conflict and factionalist dispute. Publ: Acculturation, critical abstracts; co-auth, Divisiveness: an anthropological approach to the study of conflict, Stanford, 65; auth, Social disorganization in Picuris pueblo, Int. J. Comp. Sociol., 65. Address: Dept. of Anthropology, Stanford University, Stanford, Calif. 94305.

SIEGEL, DR. DANIEL CHARLES, Psychiat, see 11th ed, Phys. & Biol. Vols.

SIEGEL, PROF. GERALD M(ORTON), b. New York, N.Y., June 14, 32; m. 53; c. 3. SPEECH PATHOLOGY. B.A., Brooklyn Col., 53, M.A., 54; Ph.D.(speech path.), Iowa, 57. Instr. speech, N.Dak. State, 57-58, asst. prof., 58-59; res. assoc. bur. child res., Univ. Kansas, 59-61; asst. prof. SPEECH, MINNEAPOLIS, 61-63, assoc. prof., 63-66, PROF., 66- Am. Speech & Hearing Assn. scholar, 57; res. fel., Kansas, 67-68. Summer, lectr., Iowa, 61, Syracuse, 64 & Utah State, 66. Fel. Speech & Hearing Asn.; Soc. Res. Child Develop.; Asn. Ment. Deficiency. Verbal conditioning and fluency; stuttering; speech acquisition; interpersonal behavior. Publ: Co-auth, Experimental modification of disfluency in normal speakers, 65 & Response contingent shock and stuttering, 66 & auth, Interpersonal study of communication disorders, 67, J. Speech & Hearing Res., 67. Address: Speech Clinic, Shevlin Hall, University of Minnesota, Minneapolis, Minn. 55455.

SIEGEL, DR. GILBERT B., b. Los Angeles, Calif., Apr. 19, 30; m. 54; c. 2. PUBLIC ADMINISTRATION, POLITICAL SCIENCE. B.S., Southern California, 52, M.S., 57, Ph.D.(polit. sci.), Pittsburgh, 64. Admin. analyst, Los Angeles County, 54-57; Univ. Southern California vis. asst. prof. PUB. ADMIN., Tehran, 57-59; instr., grad. sch. pub. & int. affairs, Pittsburgh, 59-61; asst. prof., Brazil Prog., SOUTHERN CALIFORNIA, 61-63, SCH. PUB. ADMIN., 63-67, ASSOC. PROF., 67- Inter-Univ. Inst. Bldg. Study Group res. grant, 66. Consult. Govt. Affairs Inst., D.C., 67- Mosher award, 67. U.S.A., 52-54, Sgt. Polit. Sci. Asn.; Soc. Pub. Admin. Administrative aspects of air pollution control and environmental health; institution building; Brazilian administration. Publ: Research in the social sciences for determining strategies of air pollution control administration, Pub. Health Reports, 12/67; The strategy of public administration reform: the case of Brazil, Pub. Admin. Rev., 3/66; The vicissitudes of governmental reform: the case of Brazil, In: International public administration series 6, Univ. Southern California, 66. Address: School of Public Administration, University of Southern California, University Park, Los Angeles, Calif. 90007.

SIEGEL, DR. HAROLD H., b. Grand Rapids, Mich., Feb. 11, 17; m. 61; c. 1. PSYCHOLOGY. B.A., Indiana, 55; M.S., Northwestern, 58, Ph.D. 62. Clin. psychologist, St. Joseph County Adult Child Guid. Clin., 62-64; ASST. PROF. PSYCHOL., INDIANA, SOUTH BEND, 64- U.S.A.A.F., 42-45, 1st Lt. Acad. Optom. Parameters of physiological disparity; maximal disparity to diplopia versus muscle tension and target size and as a function of obliquity angle and target shape. Address: Dept. of Psychology, Indiana University, South Bend Campus, South Bend, Ind. 46615.

SIEGEL, DR. IRVING H(ERBERT), b. New York, N.Y., Feb. 1, 14; m. 37; c. 2. ECONOMICS. B.S., City Col. New York, 34; M.A., N.Y. Univ., 35; Ph.D.(econ. & statist.), Columbia, 51. Asst. econ. & statist., N.Y. Univ., 35-36; statistician econ. statist., Works Progress Admin., 36-39; res. economist, Nat. Bur. Econ. Res., 39-40; asst. div. chief, Bur. Labor Statist., 41-43; prog. analyst, econ. policy, legis., Retraining & Reemploy. Admin., 45; chief economist, Vet. Admin., 45-49; lectr. & study dir. econ., Hopkins, 49-51; economist, Coun. Econ. Adv., 53-60; chief econ. div., Ops. Res. Off., Hopkins, 60-62, mem. res. coun., Res. Anal. Corp., 62-65; STAFF ECONOMIST, UPJOHN INST. EMPLOY. RES., 65- Mem. faculty, U.S. Dept. Agr. Grad. Sch., 48-50; res. dir., Twentieth Fund, 51-57. Prin. consult., Patent, Trade-mark & Copyright Found., George Washington, 55- U.S.A., 43-44. Fel. AAAS; Econ. Asn.; Ops. Res. Soc.; Economet. Soc.; fel. Statist. Asn.; fel. N.Y. Acad. Sci. Economic concepts, measurement and meaning; employment outlook; conditions and implications of technological change. Publ: Manpower tomorrow, Kelley, 67; Production, employment and productivity in 59 manufacturing industries; Concepts and measurement of production and productivity. Address: 8312 Bryant Dr., Bethesda, Md. 20034.

SIEGEL, JACOB S(TUART), b. Philadelphia, Pa., July 25, 21; m. 53. DEMOGRAPHY. A.B., Pennsylvania, 41, Harrison scholar, 41-42, A.M., 43. Pop. analyst, POP. DIV., BUR. CENSUS, U.S. DEPT. COMMERCE, 43-49, chief

estimates & forecasts unit, 49-53, sr. analytic statistician demog., 53-56, chief pop. estimates & projections br., 56-63; chief nat. pop. estimates & projections br., 63-66, STAFF ASST. POP. RES. & PROG. DEVELOP., 67- Mem. faculty, U.S. Dept. Agr. Grad. Sch., 49-; consult. & lectr., statist. training center, Nat. Econ. Coun., Cuba, 59; demog. expert, UN Demog. Center Latin Am., Santiago, Chile, 62-63. Mem., U.S. del. UN World Pop. Conf., Italy, 54, Yugoslavia, 65. Meritorious serv. award, U.S. Dept. Commerce, 49. Pop. Asn. Am.; Statist. Asn.; Int. Union Sci. Study Pop. Methods of estimating and projecting population; international population; population analysis. Publ: The population of Hungary, Int. Pop. Statist. Reports, U.S. Bur. Census, Govt. Printing Off., 58; Projections of the population of the United States by age, sex and color to 1990 (with extensions by age and sex to 2015), U.S. Bur. Census, Govt. Printing Off., 67; An Evaluation of coverage in the 1960 census of population by techniques of demographic analysis and by composite methods, Proc. Soc. Statist-Sect., Am. Statist. Asn., 66. Address: Population Division, U.S. Bureau of the Census, Washington, D.C. 20233.

SIEGEL, DR. JAMES T., b. Superior, Wis., Feb. 10, 37; m. 62; c. 1. ANTHROPOLOGY. B.A., Harvard, 58, Carnegie fel., Chicago, 61-62; Ph.D.(anthrop.), California, Berkeley, 66. ASST. PROF. ANTHROP. & ASIAN STUDIES, CORNELL, 65- Fulbright-Hays Area Center trainee, Southeast Asia, 68-69. Ed., Indonesia, 66- Fel. Anthropol. Asn.; fel. Royal Inst. Geog. Ling. & Ethnol. Religion; social structure; education; Southeast Asian studies. Publ: The Rope of God, Univ. California, (in press); Prayer and play in Atjeh, Indonesia, 66. Address: Dept. of Anthropology, McGraw Hall, Cornell University, Ithaca, N.Y. 14850.

SIEGEL, DR. JEROME, b. N.Y., Sept. 1, 29; m. 52; c. 2. PHYSIOLOGICAL PSYCHOLOGY. A.B., Michigan, 55, Ph.D.(psychol.), 60. Teaching asst. PSYCHOL., Ohio State, 56-60; asst. prof., DELAWARE, 60-67, ASSOC. PROF., 67- Fel. physiol. brain res. inst., California, Los Angeles, 60-62. Consult., res. grants, Nat. Sci. Found., 64-, grants review cmt., 67-; Washington Col., 68- U.S.A., 48-49. AAAS. Neural mechanisms of sleep and behavioral inhibition; modulation of sensory evoked potentials by electrical and chemical stimulation of the brain; studies on paradoxical sleep. Publ: Paradoxical sleep: deprivation in the cat, Science, 65; Arousal threshold in the cat as a function of sleep phase and stimulus significance, 65 & co-auth, Visual and auditory evoked potentials: specificity of reticular formation modulative influences, 68, Experientia. Address: 7 Ferncliff Rd, Newark, Del. 19711.

SIEGEL, DR. JEROME, b. New York, N.Y., Apr. 24, 34; m. 56; c. 1. PSYCHOLOGY. B.B.A., City Col. New York, 55; M.A., N.Y. Univ., 57, Ph.D. (psychol.), 63. Instr. psychol., City Col. New York, 55-57; staff psychologist, Voc. Adv. Serv., 57-59; RES. PSYCHOLOGIST, ELECTRONICS RES. LAB., COLUMBIA, 59- Asst. Equitable Life Assurance Soc., 55-57; chief human systs. psychol., Kollman Instrument Corp., 63-67, consult., 67-; supvr. psychol., Riverside Res. Inst., 67- Consult., Automated Teaching Syst., 60-; Milla Alihan Assocs., 66-; Integrated Electronics Assocs., 66- Psychol. Asn.; Human Factors Soc. Application of experimental techniques to problems in equipment design; design and statistics; human learning and radar operator training requirements; simulation, training and systems analysis. Publ: Co-auth, Effects of noise and acceleration on tracking; auth, Recognition of lunar craters, 66 & Photo interpreter performance, 67, Human Factors. Address: Riverside Research Institute, 632 W. 125th St, New York, N.Y. 10027.

SIEGEL, DR. JOSEPH HERMAN, b. Tyler, Tex., Dec. 31, 24; m. 45; c. 3. PSYCHOLOGY. B.S., Southern Methodist, 48, M.A., 49; Ph.D.(psychol.), Oklahoma, 54. Staff psychologist, Dallas Child Guid. Clin., 49-50; Cent. State Griffin Mem. Hosp., Okla., 50-52; instnl. counsr., Vet. Admin. Guid. Center, Oklahoma, 53-54; consult. psychologist, Family Consultation Serv., N.Y., 54-56; CLIN. PSYCHOLOGIST, 56- Lectr., Southern Methodist, 62-64. Clin. psychologist, Dallas Soc. Crippled Children, Tex., 56-58; psychol. dir., Children's Develop. Center, 56-63; consult., Angels, Inc., 64- U.S.A., 43-46. AAAS; Psychol. Asn.; Group Psychother. Asn.; Soc. Proj. Tech. & Personality Assessment; Acad. Psychother.; Asn. Ment. Deficiency. Clinical and child psychology; psychology of mental and physical handicapping. Publ: Study of frustration tolerance in cerebral palsied and non-handicapped children; co-auth, Psychological reevaluation of children treated in a psychiatric clinic. Address: 11330 Hillcrest Rd, Dallas, Tex. 75230.

SIEGEL, DR. LAURENCE, b. New York, N.Y., Feb. 11, 28; m. 50; c. 1. PSYCHOLOGY. A.B., N.Y. Univ., 46, A.M., 48; Ph.D.(psychol.), Tennessee, 52. Exten. instr. psychol., Tennessee, 49-50; asst. prof., State Col. Wash., 50-53; res. assoc. & lectr., personnel res. bd., Ohio State, 53-54, assoc. prof. psychol., Miami (Ohio), 56-61, prof., 61-66, asst. dir. exp. study in inst. procedures, 56-59, dir. institutional res. serv., 59-66; PROF. PSYCHOL. & CHMN. DEPT., LA. STATE, 66- U.S.A., 54-56. Fel. Psychol. Asn. Measurement in psychology and higher education; personality assessment; industrial psychology. Publ: Industrial psychology; Instruction: some contemporary viewpoints, Chandler, 67; co-auth, Instructional Gestalt, Psychol. Bull., 67. Address: Dept. of Psychology, Louisiana State University, Baton Rouge, La. 70803.

SIEGEL, DR. LILA CORKLAND, b. New York, N.Y., Mar. 19, 28; m. 50; c. 1. PSYCHOLOGY. A.B., Tennessee, 49, A.M., 50; Ph.D.(psychol.), Washington State, 55. Counsr. PSYCHOL., student counseling serv., Washington State, 51-52; consult., Idaho State Crippled Children's Serv., 54-56; instr., Miami (Ohio), 57-59, res. asst. prof., Inst. Res. Serv., 60-66; PRACTICING PSYCHOLOGIST, 55- Lectr., Boise Jr. Col., 54-55. Psychol. Asn. Human learning; configuration and improvement of higher education. Publ: A multivariate paradigm for educational research, Psychol. Bull. Address: 221 E. Boyd Dr, Baton Rouge, La. 70808.

SIEGEL, PROF. MAX, b. New York, N.Y., July 22, 18; m. 41; c. 2. PSYCHOLOGY. A.B., City Col. New York, 39, M.S., 40; Ph.D.(clin. psychol.), N.Y. Univ., 51. Clin. psychol. intern., State Intern Training Prog., N.Y., 40-41; psychologist, Vet. Admin., 46-47; clin. psychologist, Domestic Reis. Court Psychiat. Clin., New York, 47-48; asst. prof. personnel serv. & chief psychologist, community counseling center, BROOKLYN COL., 48-60, assoc. prof. per-

sonnel serv, 60-67, PROF. ED. & COORDINATOR SCH. PSYCHOLOGIST PROG, 67-; CLIN. PROF. & SUPVR. PSYCHOTHER, POSTDOCTORAL PROG. PSYCHOTHER, ADELPHI, 64- Consult. & dir. clin. psychol, Jewish Sanitarium & Hosp, 51-52; lectr. sch. ed, N.Y. Univ, 51-52, consult, univ, 61-62. Dipl. Am. Bd. Exam. Prnl. Psychol, 55. U.S.A, 42-46, Capt. Fel. Psychol. Asn; Group Psychother. Asn; Orthopsychiat. Asn; Personnel & Guid. Asn. Reading disability and personality; diagnostic psychological testing; counseling and psychotherapy. Publ: Ed, Counseling of college students, Macmillan, 68; auth, Work for all, In: A commitment to youth, Twayne, 60; Group psychotherapy with gifted underachieving college students, Community Ment. Health J, summer 65. Address: Dept. of Education, Brooklyn College, Ave. H & Bedford, Brooklyn, N.Y. 11210.

SIEGEL, DR. MIRIAM G(ZIBECK), b. New York, N.Y., June 16, 12; m. 38; c. 2. CLINICAL PSYCHOLOGY. B.A. Hunter Col, 32; M.A. Columbia, 36; Ph.D. N.Y. Univ, 45. Psychologist, Bur. Child Guid, New York, 34-48; PSYCHOL. CONSULT, COMMUNITY SERV. SOC, 49- Lectr, City Col. New York, 49-51; Bank St. Col, 57- Private practice, 41-; chief psychologist, Jewish Bd. Guardians, 41-46; Coun. Child Develop. Center, 46-48; chief psychologist, dept. pediat. psychiat, Lenox Hill Hosp, 54-60. Psychol. consult, Edwin Gould New York Fund, 53-60. Dipl. Am. Bd. Exam. Prnl. Psychol. Psychol. Asn; fel. Soc. Proj. Tech; fel. Orthopsychiat. Asn; Group Psychother. Asn. Psychological testing; projective techniques; learning disabilities in children; research in schizophrenia. Publ: Rorschach test as an aid in selecting clients for group therapy, Ment. Hyg; Rorschach test in diagnosis and prognosis & Diagnostic and prognostic validity of the Rorschach test in a child guidance clinic, J. Soc. Casework. Address: 300 Central Park West, New York, N.Y. 10024.

SIEGEL, PROF. NATHANIEL, b. New York, N.Y., May 17, 29; m. 58; c. 2. SOCIOLOGY, PSYCHOLOGY. A.B. Brooklyn Col, 50; A.M. N.Y. Univ, 52, Ph.D.(sociol), 56. Instr. sociol, N.Y. Univ, 52-56; asst. prof, Columbia, 56-59; sociologist, Hillside Hosp, 58-63; assoc. dir. soc. sci. res, New York City Dept. Health, 63-64; chief soc. sci. training sect, Nat. Inst. Ment. Health, 64-67; PROF. SOCIOL. & CHMN. DEPT, QUEENS COL.(N.Y.), 67-Consult, Nat. Inst. Ment. Health, 67- U.S.A, 50-51. AAAS; fel. Sociol. Asn; Psychol. Asn. Therapeutic community; ecology; sociobiology. Publ: Federal probation; Social problems; co-auth, Therapeutic community, J. Nervous & Ment. Disease, 67. Address: 8 Birchfield Rd, Larchmont, N.Y. 10538.

SIEGEL, PROF. PAUL S(HAFER), b. Richmond, Va, Jan. 12, 18; m. 47; c. 3. PSYCHOLOGY. A.B. Richmond, 38; M.A. Duke, 42; Ph.D.(psychol), North Carolina, 44. Asst. prof. PSYCHOL, Richmond, 44-45; instr, ALABAMA, 45-46, asst. prof, 46-47, assoc. prof, 47-52, PROF, 53- Fel. Psychol. Asn. Learning; motivation. Address: Dept. of Psychology, University of Alabama, University, Ala. 35486.

SIEGEL, DR. RICHARD ALLEN, b. Chicago, Ill, Mar. 11, 27; m. 50; c. 3. ECONOMICS. A.B. California, Los Angeles, 53, M.B.A. 59, Real Estate Res. Prog. fel, 60, Ph.D.(bus. admin), 61. Asst. prof. econ, State Univ. N.Y. Buffalo, 62-64; economist, Bank of America, 64-65; chief econ. res, Calif. State Off. Planning, 65-67; ECONOMIST, Calif. Legis, 67-68; ARTHUR D. LITTLE, INC, 68- U.S.N, 45-46. Econ. Asn. Application of program budgeting to state and local government; government management planning; regional economic analysis and policy; regional business cycle studies; management information systems. Publ: The economic base and multiplier analysis, Urban Affairs Quart, 12/66; Do regional business cycles exist?, West. Econ. J, 12/66; A program approach to information systems, J. Am. Inst. Planners, 3/68. Address: Arthur D. Little, Inc, 500 Sansome St, San Francisco, Calif. 94111.

SIEGEL, DR. RICHARD L, b. New York, N.Y., Oct. 21, 40; m. 63; c. 2. POLITICAL SCIENCE. B.A. Brandeis, 61; pres. fel, Columbia, 63, Ph.D.(pub. law, govt, int. rels), 67. ASST. PROF. POLIT. SCI, NEVADA, 65- Polit. Sci. Asn; Int. Studies Asn. Soviet politics and foreign policy; Chinese and Indian foreign policy; national and international systems analysis. Address: Dept. of Political Science, University of Nevada, Reno, Nev. 89507.

SIEGEL, DR. SAUL MARVIN, b. Rochester, N.Y., Feb. 17, 26; m. 53; c. 2. CLINICAL PSYCHOLOGY. B.A. Buffalo, 48, M.A. 52, Ph.D. 55. Asst. psychologist, Buffalo Guid. Center, 49-50; trainee psychol, Vet. Admin. Hosp. & Ment. Hyg. Clin, 50-54; sr. psychologist, Topeka State Hosp, 55-58, chief psychologist, 58-66; PROF. PSYCHOL. & DIR. CLIN. PSYCHOL. TRAINING PROG, OHIO STATE, 66- Instr, Buffalo, 53-54; mem. clin. faculty, Menninger Sch. Psychiat, 55- Consult, State Highway Patrol, Kans, 58-; Forbes Air Base Psychiat. Clin, 59- Dipl. Am. Bd. Exam. Prnl. Psychol, 60. U.S.A, 43-46. Psychol. Asn. Relationship between architectural and psychological variables; effective use of manpower in treatment of mentally ill; the authoritarian personality; concept formation in mental retardation; procedures to select highway patrolmen. Publ: Co-auth, Therapy by design, C.C. Thomas, 65; Ward H: an adventure in innovation, Van Nostrand, 66; auth, Relationship of hostility to authoritarianism, J. Abnorm. & Soc. Psychol. Address: Dept. of Psychology, Ohio State University, Columbus, Ohio 43210.

SIEGELMAN, DR. LOUIS, b. U.S., Feb. 5, 20; m. c. 3. ECONOMICS. B.S., Queens Col.(N.Y.), 42; M.A. Pennsylvania, 50, Ph.D. 51. Mem. faculty, sch. bus, Temple, 48-50; Cornell, 50-53; ECONOMIST, FIRST NAT. BANK OF CHICAGO, 53- Mem. faculty, eve. div, Northwestern, 54-58. Consult, Govt. Chile, 59. U.S.A, 42-45. Econ. Asn; Soc. Eng. Ed. Publ: Co-auth, Managerial economics; auth, Inflation control through a national wage policy, J. Finance. Address: First National Bank of Chicago, 38 S. Dearborn St, Chicago, Ill. 60690.

SIEGELMAN, PROF. MARVIN, b. Brooklyn, N.Y., June 16, 30; m. 60; c. 1. EDUCATIONAL PSYCHOLOGY. B.S.S. City Col. New York, 51, M.A. 52; fel, Texas, 56-58, Ph.D.(ed. psychol), 58. Intern clin. psychol, Del. State Hosp, 52-53; res. scientist, Texas, 55-56, res. assoc. psychol, 58; N.Y. Univ, 58-59; ED. PSYCHOL, Harvard, 59-61; ASSOC. PROF, CITY COL. NEW YORK, 61- Psychol. Asn; Ed. Res. Asn; Soc. Res. Child Develop.

Child development; personality structure and dynamics; research design and test construction. Publ: The origin of interests, Am. Personnel & Guid. Asn, 64; College student personality correlates of early parent-child relationships, J. Consult. Psychol, 65; Loving and punishing parental behavior and introversion tendencies in sons, Child Develop, 66. Address: School of Education, City College of New York, New York, N.Y. 10031.

SIEGELMAN, PROF. PHILIP, b. New York, N.Y., July 5, 26; m. 50; c. 2. POLITICAL SCIENCE. B.A. Minnesota, 52, Ph.D.(polit. sci), 61. From instr. to assoc. prof. interdisciplinary studies & polit. sci, Minnesota, 52-66; PROF. POLIT. SCI, SAN FRANCISCO STATE COL, 66- Mil. Intel, U.S.A, 45-47; Sgt. Polit. Sci. Asn; Asian Studies Asn. Comparative Asian government; comparative communist studies; politics of development and modernization; history of ideas of western Europe from 1700 to the present. Publ: Co-ed, The idea of evolution, readings in evolutionary theory and its influence, Meyers Pub. Co, 57, 60 & 65; auth, Introduction to Hobson's imperialism: a study, Univ. Michigan, 67; co-auth, The mind of the enlightenment, Dept. Independent Study, Univ. Minnesota, 68. Address: Dept. of Political Science, Psychology Bldg, San Francisco State College, 1600 Holloway Ave, San Francisco, Calif. 94132.

SIEGMUND, DR. DAVID O, Math. Statist, see Suppl. V to 11th ed, Phys. & Biol. Vols.

SIELAFF, PROF. RICHARD O, b. Miles City, Mont, June 21, 15; m. 42; c. 2. BUSINESS ADMINISTRATION, ECONOMICS. B.B.A. & B.S. Minnesota, 39, B.S. 41, M.B.A. 44, Ph.D.(econ, bus. admin), 48. Teacher, Minneapolis Bus. Col, Minn, 39-41; bus. & distributive ed. coordinator, pub. sch, 41-43; as-soc. prof. BUS. & ECON, Hamline, 43-47; PROF. & HEAD DEPT, MINNESOTA, DULUTH, 47-, CHMN. DIV. SOC. SCI, 50- Consult, Duluth Port Authority, 54-, for. trade cmt, Governor of Minn, 55-56, tourist-travel coun, 61-62. Econ. Asn; Mkt. Asn; Statist. Asn. Recreation and transportation economics; consumer studies. Publ: Minnesota vacation travel survey, Ann. Duluth-Superior Consumer Anal; Growth of shipping on Great Lakes-St. Lawrence Waterway, Ann. Minn. Acad. Sci. Address: Division of Social Sciences, University of Minnesota, Duluth, Minn. 55812.

SIELAFF, PROF. THEODORE J(OHN), b. Livingston, Mont, Dec. 11, 20; m. 48; c. 3. ECONOMICS. B.S. Minnesota, 41, M.A. 43, Ph.D. 51. Assoc. prof, Macalester Col, 43-54; teacher, Adult Ed. Center, Calif, 54-55; asst. prof. BUS, SAN JOSE STATE COL, 54-56, assoc. prof, 56-60, PROF, 60- Ed, Realty Rev. Econ. Asn; Mkt. Asn. Marketing; business economics; finance. Publ: Statistics in action, 63, Lecture charts in economics, 66 & Lecture charts in statistics, 67, Lansford. Address: Dept. of Business, San Jose State College, San Jose, Calif. 95114.

SISS, DR. THOMAS F(REDERICK), b. St. Clair, Mich, June 24, 35; m. 58; c. 3. PSYCHOLOGY. B.A. Valparaiso, 57; Ph.D.(psychol), Minnesota, Minneapolis, 64. Res. psychologist, Dept. Pub. Welfare, State of Minn, 61-62; res. assoc. PSYCHOL, Minnesota, 64-65; ASST. PROF, WESTERN ONT, 65- Psychol. Asn. Development and measurement of vocational interests; person perception, particularly in relation to teacher-student interaction. Publ: Co-auth, The use of the cumulative record in the prediction of behavior, Personnel & Guid. J, 11/65 & A personological approach to the interpretation of vocational interests, Proc. 75th Annual Conv. Am. Psychol. Asn, 67. Address: Dept. of Psychology, University of Western Ontario, London, Ont, Can.

SIEVERS, PROF. ALLEN M(ORRIS), b. Boston, Mass, Oct. 15, 18; m. 54; c. 1. ECONOMICS. A.B. Chicago, 39; A.M. Columbia, 41, Ph.D. 48. Assoc. prof, Tufts Col, 48-49; econ, Massachusetts, 49-51; chief econ. anal. sect, off. int. trade, U.S. Dept. Commerce, 51-53; consult, Korean Reconstruction Agency, 53; prof. ECON, Florida, 54-68; PROF. & CHMN. DEPT, UTAH, 68- Adv, U.S. del. econ. & soc. coun, UN, 52-53; mem. & field dir, Surv. Res. Corp-Develop. Projs. Consult. Serv, Indonesia, 62-64. U.S.A.A.F, 42-45, Capt. Econ. Asn; Economet. Soc. Institutional and analytic theory. Publ: Has market capitalism collapsed?; General economics; Revolution, evolution, and the economic order. Address: Dept. of Economics, University of Utah, Salt Lake City, Utah 84112.

SIEVERS, DR. C(LEMENT) H(ENRY), b. Moscow, Idaho, Jan. 18, 04; m. 41. PSYCHOLOGY. A.B. Idaho, 26; M.S. Stanford, 27; Ph.D.(psychol), Iowa, 31; Chicago, 38. Instr. ed. & psychol, East. Ill. State Col, 31-32; prof. psychol, Huron Col, 32-33; prof. & dean, Boise Jr. Col, 33-35; assoc. prof. psychol. & dir. univ. reading clin, Wichita, 35-41; prof. psychol, Miami, 46-52; PRACTICING PSYCHOLOGIST, 52- Asst. personnel mgr, Cessna Aircraft Corp, Kans, 39-41. U.S.A, 41-46, Maj. Psychol. Asn. Remedial reading; projective techniques for differential diagnosis in young children; psychological therapy, children, adolescents and adults. Address: 1674 Meridian Ave, Miami Beach, Fla. 33139.

SIEVERS, DR. DOROTHY J(EAN), b. Oak Park, Ill, Nov. 8, 26. PSYCHOLOGY. B.S. Northwestern, 49; M.A. New Mexico, 50; Ph.D.(psychol), Illinois, 55. Asst. psychol, New Mexico, 49-50; from asst. to res. assoc. psychol. ed, inst. res. except. children, Illinois, 51-55; psychologist, Columbus State Sch, Ohio, 55-60; chief psychologist, Hamilton County Dist. Clin, 60-64; sr. psychologist, N.Y. Med. Col, 64-65; ASSOC. PROF. SPEC. ED, FERKAUF GRAD. SCH, YESHIVA, 65- Consult, Gateway Sch, N.Y. 65- Psychol. Asn; Asn. Ment. Deficiency; Coun. Except. Children. Language development and deviations of young children. Publ: Language development in institutionalized and community mentally retarded children, Differential language facility test and electroencephalograms of brain-injured mentally retarded children & Study to compare the performance of brain-injured retarded children on the differential language facility test, Am. J. Ment. Deficiency. Address: 60 W. 13th St, Apt. 8F, New York, N.Y. 10011.

SIEVERS, FLORENCE NIERMAN, b. Wentzville, Mo, Sept. 14, 13; m. 62. SOCIAL PSYCHOLOGY. B.A. Tex. Col. Arts & Indust, 33; B.S. Drexel Inst. Tech, 34; M.A. Radcliffe Col, 48. Circulation asst, univ. library, Texas, 34-36, dept. librn, 36-42; documents librn, Washington (Seattle), 42-43; soc. sci. analyst, consumer preference surv, spec. surv. div, bur. agr. econ,

U.S. Dept. Agr. 48-51; ops. analyst psychol. warfare, ops. res. off, Hopkins, 51-53; res. assoc. content anal. surv. Bur. Soc. Sci. Res. D.C. 53; cmt. disaster studies, Nat. Acad. Sci.-Nat. Res. Coun. 54; human rels. area files, for. area studies div, American Univ. 55-59; sci. info. specialist, Pan-Am. Union, Orgn. Am. States, 59-63; RES. ASSOC. INFO. PLANNING ASSOCs, 67- U.S.N. 43-46, Lt. Survey research; public information and opinion; attitudes; library science. Publ: Co-auth, Guide to Latin American scientific and technical periodicals, Pan-Am. Union, 62 & Men's preferences for wool suits, coats, and jackets; auth, Science information in Latin America. Address: 5703 Stillwell Rd, Rockville, Md. 20851.

SIEVING, PROF. ELDOR C, b. Lincoln, Mo, June 25, 08; m. 37; c. 2. PSYCHOLOGY, EDUCATION. B.Ph. Chicago, 32, M.A. 38; Columbia, 43; Indiana, 46; Michigan, 66, 67. Prin. & teacher, parochial schs, 32-50; asst. supt. ed, cent. dist, Lutheran Church, Mo. Synod, 50-51; assoc. prof. & dir. teacher training, St. John's Col.(Kans), 51-61; ASSOC. PROF. ED. & PSYCHOL, CONCORDIA TEACHERS COL.(ILL), 61- Mem. cmt. scholarly res, Lutheran Church, Mo. Synod, 62-69. Nat. Soc. Study Ed. Psychology of learning and teaching. Publ: Ed. Readings in teaching the Christian faith, Concordia Teachers Col.(Ill), 67. Address: Dept. of Education & Psychology, Concordia Teachers College, River Forest, Ill. 60305.

SIFFIN, PROF. WILLIAM JOSEPH, b. Cleveland, Ohio, May 31, 22; m. 48; c. 3. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.S. Indiana, 43; M.A. Minnesota, 48; South. Regional Training Prog. fel. & Ph.D. Harvard, 56. Admin. staff officer, Tenn. Valley Authority, 44-48; dir. res, Ky. Legis. Res. Cmn, 50-52; dir. inst. training pub. serv, INDIANA, 52-57, asst. prof. GOVT, 52-59, from assoc. prof. & grad. student adv. to PROF. GOVT. & DIR. POLIT. & ADMIN. DEVELOP. PROG, 59. Chief acad. adv. inst. pub. admin, Univ. Thammasat, 57-59, summer res. planning consult, 60. Mem. Cmn. Uniform State Laws, 52. Polit. Sci. Assn; Soc. Pub. Admin. Organization for public policy formation; personnel administration; American state government. Publ: Legislative council in the American states; Toward the comparative study of public administration; Organization and management: an introduction. Address: Dept. of Government, Indiana University, Bloomington, Ind. 47405.

SIGAFOOS, DR. ROBERT A(LAN), b. Philadelphia, Pa, Oct. 14, 23; m. 48; c. 2. ECONOMICS, PUBLIC ADMINISTRATION. B.A. Pa. State, 47, M.A. 49; fel. Indiana, 49-52, Ph.D. 52. Instr. govt, Drexel Inst. Tech, 47-48; financial economist pub. admin, State Dept. Finance, Ill, 52-53; consult. tax, Commonwealth P.R. 53-56; dir. res. pub. admin, Pa. State, 56-59; sr. economist, Stanford Res. Inst, 59-62, head urban develop. studies prog, 60-62; sr. res. fel, African Econ. develop. prog, Calif. Inst. Tech, 62-65; dir. econ. develop. Planning Serv, Calif, 63-66; SR. CONSULT. APPL. ECON, SOUTH-WEST RES. INST, 66- Consult, U.S. Housing & Home Finance Agency, 60; Argentine Senate River Develop. Proj, 61. Mem. Chile-Calif. Prog. team, Chilean Govt, 65. U.S.A. 42-46. Econ. Assn; Soc. Pub. Admin. Urban and regional economic development; long range public resources projections and planning; industrial development planning. Publ: Land for industry; Argentina: alliance for progress critical barometer; Municipal income tax. Address: Southwest Research Institute, 3600 Yoakum Blvd, Houston, Tex. 77006.

SIGBAND, PROF. NORMAN B(RUCE), b. Chicago, Ill, June 27, 20; m. 44; c. 3. COMMUNICATIONS, EDUCATION. B.A. Chicago, 40, M.A. 41, Ph.D. 54. Prof. bus. commun, DePaul, 46-65, lect. dept. ed, 54-65; PROF. BUS. COMMUN, GRAD. SCH. BUS. ADMIN, SOUTHERN CALIFORNIA, 65- Lectr, Chicago Teachers Col, 54-; Kellogg Found. asst, Chicago, 54. Indust. consult, West. Elec. Co; United Parcel Serv; Chicago Police Dept; Brunswick Corp; consult, Commonwealth Edison Co, 62-65; Lockheed Aircraft Co, 65-; South. Calif. Edison Co, 66-67; City of Los Angeles, 66- & others. U.S.A. 42-46, Capt. Bus. Commun. Assn.(pres, 64). School and community communications; communications in industry; internal communication problems of large industrial organizations. Publ: Effective report writing in business, industry and government, Harper, 60; Industrial communications, Scott, 68; School-community communications, Nation's Schs. Address: Graduate School of Business Administration, University of Southern California, Los Angeles, Calif. 90007.

SIGEL, DR. IRVING E(DWARD), b. Mass, Aug. 6, 21; m. 45; c. 2. PSYCHOLOGY. B.A. Clark, 43; M.A. Chicago, 48, Ph.D.(human develop), 51. Asst. prof. psychol, Smith Col, 49-52; Mich. State, 51-52; CHMN. RES. MERRILL-PALMER INST, 52- Adj. prof, Wayne State, 66- U.S.A. 43-46. Fel. Psychol. Assn; Soc. Res. Child Develop. Personality development; development of thought and language; interdisciplinary approach to human development. Publ: Co-auth, Cognitive competence and level of symbolization, Spec. Child, 67, Logical thinking in children, Holt, 68 & The Piaget system and world of education, In: Elkind and Flavell, Oxford Univ, 68. Address: Merrill-Palmer Institute, 71 E. Ferry St, Detroit, Mich. 48202.

SIGEL, PROF. ROBERTA S, b. Berlin, Germany, Jan. 6; U.S. citizen; m. 45; c. 2. POLITICAL SCIENCE. B.A. Greensboro Col, 41; M.A. Syracuse, 42; Ph.D.(int. rels), 50. Instr. govt. & hist, Highland Manor Jr. Col, 43-45; head dept. soc. studies, R.L. Stevenson Sch, 45-46; lectr. govt, Indiana, East Chicago Campus, 46-48; Smith Col, 49-51; asst. prof, Detroit, 58-61; from asst. prof. to PROF. POLIT. SCI, WAYNE STATE, 61- Polit. Sci. Assn; Soc. Psychol. Study Social Issues. Political behavior, especially political socialization; popular images of government, especially its scope and leaders; voting; public opinion; psychology of leadership. Publ: Detroit experiment, Bobbs, 68; Learning about politics, Random, 68; School children's reactions to the death of a President, In: Children and the death of a President, Doubleday, 66. Address: Dept. of Political Science, Wayne State University, Detroit, Mich. 48202.

SIGEL, DR. STANLEY J, b. Boston, Mass, Feb. 10, 20; m. 47; c. 2. ECONOMICS. A.B. Harvard, 40, Soc. Sci. Res. Coun. fel, 46-47, M.A. 47, Ph.D. (econ), 53; California, 40-41. Chief flow-of-funds & savings sect, div. res. & statist, Bd. Governors, Fed. Reserve Syst, 47-61; dir. statist. & nat. acctg, Orgn. Econ. Coop. & Develop, 62-63; asst. to dir, DIV. RES. & STATIST, BD. GOV. FED. RESERVE SYST, 64, ASSOC. ADV, 65- Mem. conf.

res. income & wealth, Nat. Bur. Econ. Res. U.S.N.R. 42-46. Econ. Assn; Int. Assn. Res. Income & Wealth. Social accounting; monetary, banking, and financial analysis; national income. Publ: Comparative study of three social accounting systems: national income, input-output, and moneyflows; co-auth, Flow of funds in the United States, 1938-1953; contrib, Comparison of the structures of three social accounting systems, Studies Income & Wealth. Address: Board of Governors, Federal Reserve System, Washington, D.C. 20551.

SIGLER, DR. JAY ADRIAN, b. Paterson, N.J, June 21, 33; m. 61. POLITICAL SCIENCE, LAW. B.A. Rutgers, 54, LL.B. 57, M.A. 60, Ph.D. 62. Asst. instr. POLIT. SCI, Rutgers, 60-61; instr, Kent State, 61-63; asst. prof, Vermont, 63-64; ASSOC. PROF, RUTGERS, 64- Instr, Union Leadership Acad, 60-61. U.S.A. 57. Polit. Sci. Assn; Soc. Int. Law. Behavioral aspects of legal rules stressing policy analysis; linguistic bases of political language. Publ: Double jeopardy policy, Cornell, 68; An introduction to public law, Dorsey, 68; The conservative tradition in American political thought, Putnam, 68. Address: 25 Evergreen Lane, Haddonfield, N.J. 08033.

SIGMUND, DR. ELWIN W(ILBER), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SIGMUND, DR. PAUL E, JR, b. Philadelphia, Pa, Jan. 14, 29. POLITICAL SCIENCE. A.B. Georgetown, 50; fel, Harvard, 53-58, A.M. 54, Ph.D. 59; Paris, 55-56. Instr. govt. & sr. tutor, Quincy House, Harvard, 59-62; ASSOC. PROF. POLIT. PRINCETON, 62- Rockefeller res. fel. polit. theory, 60-61; vis. prof, Chile, 67. Consult, Int. Coop. Admin, 61; Peace Corps, 61; Dept. State Div. Exchange of Persons, 66- U.S.A.F. 56-58. Polit. Sci. Assn; Soc. Polit. & Legal Philos. Political theory, especially medieval and current ideologies of underdeveloped areas. Publ: Nicholas of Cusa and medieval political thought, Harvard, 63; co-auth, Views of America, Harcourt, 66; auth, The ideologies of the developing nations, Praeger, 63 & 67. Address: Dept. of Politics, Princeton University, Princeton, N.J. 08540.

SIGNORI, PROF. EDRO I(TALO), b. Calgary, Alta, July 29, 15; m. 42; c. 2. PSYCHOLOGY. B.A. Alberta, 37; M.A. Toronto, 40, Ph.D.(psychol), 47. Asst, Toronto, 38-40, 41; asst, Nat. Res. Coun, 40, res. worker, 41; lectr. PSYCHOL, Toronto, 46-48; asst. prof, Queen's (Ont), 48-49; assoc. prof, BRITISH COLUMBIA, 49-59, PROF, 59- Res. consult, Royal Cmn. Ed, B.C. 58-60. R.C.A.F. 42-46. Am. Psychol. Assn; Can. Psychol. Assn. Personality theory, industrial and social. Publ: Study of World War II pilot selection procedures in the RCAF and RAF, Can. J. Psychol; co-auth, Survey of discriminatory beliefs and attitudes toward employment of socially disadvantaged groups, 21: 983-984 & Multivariate relationships between spouses' trait scores on the Guilford-Zimmerman Temperament survey, 22: 103-106, Psychol. Reports. Address: Dept. of Psychology, University of British Columbia, Vancouver 8, B.C., Can.

SHIPOLA, PROF. ELSA M(ARGARETA), b. Fitchburg, Mass, Mar. 15, 08; m. 39. PSYCHOLOGY. A.B. Smith Col, 29, M.A. 31; Ives scholar, Yale, 36-37, Nicholson scholar, 38-39, Ph.D.(psychol), 39. Asst. PSYCHOL, SMITH COL, 29-31, instr, 31-34, asst. prof, 34-45, assoc. prof, 45-54, PROF, 54- Vis. prof, California, Los Angeles, 63. Chmn, Mass. Adv. Cmt. Serv. to Youth, 62-64. Fel. Psychol. Assn; Psychonomic Soc. Personality theory; projective techniques; learning. Publ: Influence of color on reactions to ink blots & Task attitudes in word association, projective and non-projective, J. Personality; co-auth, Exploring eidetic imagery among the retarded, Perceptual and Motor Skills, 8/65. Address: Dept. of Psychology, Smith College, Northampton, Mass. 01060.

SIKES, PROF. EARL R(AY), Econ, see 10th ed, Soc. & Behav. Vols.

SIKES, DR. MELVIN P(ATTERSON), b. Charleston, Mo, Dec. 24, 17; m. 53; c. 2. PSYCHOLOGY, SOCIAL SCIENCE. B.A. N.C. Col. Durham, 38; M.A. Chicago, 48, Ph.D. 50. Dean col. arts & sci, Wilberforce, 50-52; dean, Bishop Col, 52-55; vis. prof. psychol, Wiley Col, 55-60; PSYCHOLOGIST, VET. ADMIN. HOSP, 60- Agency supvr, Great Southwest Life Ins. Co, 55-60; proj. dir, Houston Coop. Crime Prev. Prog. Consult, Riverside Gen. Hosp, 61- U.S.A.A.F. 43-45, 2nd Lt. Psychol. Assn; Assn. Ment. Deficiency; Int. Soc. Clin. & Exp. Hypnosis. Clinical and counseling psychology, especially human relations, cross-cultural studies and research on alcoholism; police-community relations in Houston, Texas. Address: 3848 Palm St, Houston, Tex. 77004.

SIKES, PROF. PRESSLY S(PINKS), b. Edinburg, Miss, Apr. 10, 00. GOVERNMENT. B.S. Miss. State Col, 24; A.M. Texas, 28; Ph.D. Illinois, 34. Teacher soc. sci, Carthage Jr. Col, Miss, 28-29; acting assoc. prof, Miss. State Col, 29-30; asst. polit. sci, Illinois, 30-34; acting instr. GOVT, INDIANA, 34-36, asst. prof, 35-39, assoc. prof, 39-45, PROF, 45-, dir. bur. govt. res, 36-46, res. state tax study cmn, 38-39, dean jr. div, univ, 46-65. Ed. & statistician, Ind. Yearbook, 39-41. Mem. Bloomington City Coun, 50-51, 56-64. Polit. Sci. Assn; Nat. Munic. League. Local and state government. Publ: State government; Indiana state and local government; Manual for county auditors. Address: Dept. of Government, Indiana University, Bloomington, Ind. 47401.

SILBER, DR. DAVID ELLIOT, b. Detroit, Mich, Sept. 19, 35; m. 62; c. 1. PSYCHOLOGY. B.A. Wayne State, 58; M.A. Ohio, 60; fel, Merrill-Palmer Inst, 64-65; Ph.D.(clin. psychol), Michigan, 65. Res. asst. PSYCHOL, Psychol. Inst. Kommunehospitalet, Denmark, 62-63; ASST. PROF, GEORGE WASHINGTON, 65-, sr. res. scientist, inst. law, psychiat. & criminol, Nat. Law Center, 66, 67. George Washington Grad. Coun. res. grant, 66-67, grad. sch. res. grant, 67-68. Psychol. Assn. Psychophysiology of schizophrenia; personality of convicted offenders. Publ: Co-auth, The informational basis of judged creativity, J. Gen. Psychol, 65; auth, Clinical psychology, In: Readings in law and psychiatry, Univ. Chicago, 68; co-auth, Fantasy aggression among retarded offenders, J. Ment. Deficiency, (in press). Address: Dept. of Psychology, George Washington University, Washington, D.C. 20006.

SILBERDICK, DR. BARBARA JANE, b. New York, N.Y, June 1, 38. POLITICAL SCIENCE. B.A. Wellesley Col, 59; M.A. Yale, 60, Ph.D.(polit. sci),

63. Lectr. POLIT. SCI, City Col. New York, 63-64, instr. 64-67; VIS. LECTR, BROOKLYN COL, 67- Political Philosophy. Address: 2 Fifth Ave, New York, N.Y. 10011.
- SILBERMAN, DR. BERNARD SAMUEL, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SILBERMAN, DR. HENRY K, b. Breslau, Germany, Dec. 19, 14; U.S. citizen; m. 50; c. 3. PSYCHIATRY. Florence, 33-34; Bologna, 34-37; Rome, 37-38; M.D. N.Y. Univ, 50; M.S. Colorado, 55. Resident psychiatrist, Fitzsimons Army Hosp, Denver, Colo, 52-55, chief outpatient serv, 55-56; chief psychiatrist, serv, Fifth Gen. Hosp, Bad Cannstatt, Germany, 56-59; asst. chief, Walter Reed Gen. Hosp, Wash, D.C, 59-62, chief, 62-65; assoc. clin. prof. PSYCHIAT, sch. nursing, Georgetown, 63-65; ASSOC. PROF, SCH. MED, MISSOURI, 65- Clin. dir. & asst. supt, Mid-Mo. Ment. Health Center, 65-67; consult, Gen. Leonard Wood Army Hosp, Mo, 66- A.U.S., 41-46, Res, 46-50, Med.C, 50-65, Lt. Col; Legion of Merit, 65. Am. Med. Assn; fel. Psychiat. Assn; Acad. Relig. & Ment. Health. Community mental health; psychosomatic medicine; psycholinguistics. Publ: Co-auth, Lymphosarcomatosis of CNS, Am. J. Med, 2/56. Address: Dept. of Psychiatry, University of Missouri Medical Center, Columbia, Mo. 65201.
- SILBERSTEIN, DR. RICHARD M, b. Pittsburgh, Pa, Nov. 13, 22; m. 44; c. 3. PSYCHIATRY. A.B. Dartmouth Col, 44; M.D. Pittsburgh, 46; cert. Inst. of Phila. Asn. Psychoanal, 57. Intern, St. Francis Hosp, Pittsburgh, 46-47; resident psychiatrist, Phila. Psychiat. Hosp, 47-49; Mt. Sinai Hosp, Phila, 49-50; clin. adminstr, dept. psychiat, south. div, Albert Einstein Med. Center, 50-52; lectr, Inst. of Phila. Asn. Psychoanal, 54-60; clin. asst. prof. psychiat, STATE UNIV. N.Y. DOWNSTATE MED. CENTER, 58-64, secy. child anal. faculty, 59-62, dir. child psychiat, 64-67, ASSOC. PROF. PSYCHIAT, 67-; DIR. PSYCHIAT, ST. VINCENT'S MED. CENTER RICHMOND, 67- Private practice, 50-52; consult. & staff mem, hosps, schs. & community centers, N.Y. & N.J.; dir, Staten Island Ment. Health Center, 54-Trustee, Ment. Health Film Bd, Fund. Adv. Ment. Health & Staten Island Inst. Arts & Sci. Mem. Gov. Cmt. Children & Youth; N.Y. Community Ment. Health Bd; adv. mem, Joint Legis. Cmt. Ment. Retardation, N.Y.; mem, N.Y. Coun. Child Psychiat. Dipl. Am. Psychiat. & Neurol, 59, cert. child psychiatrist, 60. U.S.P.H.S., 52-54, Lt. Comdr. Fel. Acad. Child Psychiat; Am. Med. Assn; fel. Orthopsychiat. Assn; Psychoanal. Assn; fel. Psychiat. Assn; Pan Am. Med. Assn. Adult and child psychiatry. Publ: Asst. ed, Encyclopedia of psychoanalysis, Macmillan, 66; auth, Psychoanalysis and community psychiatry—a case report, Bull. Phila. Asn. Psychoanal, 16: 20-30; The child psychiatrist's view of learning problems, J. N.J. Med. Soc, 8/67. Address: 144 Clinton Ave, Staten Island, N.Y. 10301.
- SILBIGER, DR. HERMAN R(USSELL), b. The Hague, Netherlands, Sept. 10, 30; U.S. citizen; m. 56; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S.C.E., Ohio, 54; fel, Wayne State, 60-63, M.A., 62, Ph.D.(psychol), 63. Tech. asst. eng, Mich. Consol. Gas Co, 56-60; asst. prof. indust. rels, Detroit Inst. Tech, 60-62; MEM. TECH. STAFF, SPEECH COMMUN. STUDIES GROUP, BELL TEL. LABS, 63- Adj. asst. prof, N.Y. Univ, 64-66; lectr, Fairleigh Dickinson, 68- Acoustical Soc; Psychol. Assn; Inst. Elec. & Electronics Eng; Netherlands Royal Inst. Eng. Psychoacoustics; speech quality; preference scaling; speech transmission and perception. Publ: Co-auth, Auditory thresholds and uncertainty as a function of tone parameters, J. Acoustical Soc. Am, 66; auth, Hearing, In: Sensory bases of evaluation, Am. Soc. Testing & Mat, 68. Address: Transmission Systems Research Division, Room 3E511, Bell Telephone Labs, Holmdel, N.J. 07733.
- SILCOX, DR. W(ALTER) BRUCE, b. Ont, Aug. 18, 99; nat. m. 34; c. 3. AGRICULTURAL ECONOMICS. B.S.A., Toronto, 23; fel, Iowa State Col, 24-25, M.S., 25; fcls, Wisconsin, 27-29, Ph.D.(agr. econ), 33. Asst. prof. dairy & animal husb, Vermont, 25-27; mkt. agr. exten. serv, Minnesota, 30-37; sr. exten. economist, fed. exten. serv, U.S. Dept. Agr, D.C, 37-42, adminstr. war food order 8, 43-45, prin. agr. economist, res. & exten, 45-48; agr. economist & bus. specialist, off. int. trade, U.S. Dept. Commerce, 48-54; AGR. ECONOMIST, FOR. AGR. SERV, U.S. DEPT. AGR, 54- Milk inspector, Burlington, Vt, 25-27; economist, War Prod. Bd, 42. Agr. adv. & U.S. del. Gen. Agreements on Tariffs & Trade, Switz, 61; mem. N.Z. Country Cmt. & Australian Country Cmts, Int. Trade Agreements, U.S. Dept. Agr, 61. Mem. spec. cmn. revision city charter, Alexandria, Va, 49. Agr. Econ. Assn. Dairy science; analyses of national and state agricultural situation and outlook including trends, production, marketing and prices; analyses of international trade in selected agricultural products. Publ: The foreign type cheese industry in Wisconsin, 33; Impact of United States nonfat dry milk in Japan, 1948-1959, 60; Import duties and other entry charges on selected U.S. dairy products in 100 foreign countries, For. Agr. Report, 131, U.S. Dept. Agr, 68. Address: 3400 Alabama Ave, Alexandria, Va. 22305.
- SILFEN, DR. CAROLE K(ENDIG), b. Elkins, W.Va, May 7, 36; m. 63. EXPERIMENTAL PSYCHOLOGY. B.A., N.Y. Univ, 59; M.A., Columbia, 62; Ph.D. (psychol), McMaster, 68. Asst. mgr, Waltham Press, Inc, 56-59; secy. to v-pres, Christiani & Nielsen Corp, 60-61; instr. psychol, Mankato State Col, 65-66, asst. prof, 66-67; ASSOC. RES. SCIENTIST, INST. DEVELOP. STUDIES, N.Y. UNIV, 68- Soc. Res. Child Develop. Perceptual development and its relationship to cognition and learning; orienting response and exploratory behavior. Publ: Co-auth, Optional shift behavior in the albino rat, Psychonomic Sci, 1: 4-5. Address: 2430 Eighth St, Ft. Lee, N.J. 07024.
- SILK, DR. LEONARD SOLOMON, b. Philadelphia, Pa, May 15, 18; m. 48; c. 3. ECONOMICS. A.B. Wisconsin, 40; Am-Scandinavian Found. F. Lincoln Cromwell fel, Duke, 46, Ph.D., 47; Harvard, 50; hon. D.H.L., South-east. Mass. Tech. Inst, 67. Instr. Econ, Duke, 40-42; Maine, 47-48; asst. prof, Simmons Col, 48-51; Fulbright res. scholar, Norway, 51-52; asst. cmnr, U.S. Mission to NATO, 52-54; econ. ed, BUS. WEEK MAG, 54-59, sr. ed, 59-67, CHMN. ED. BD, 67- Ford Found. distinguished vis. res. prof, Carnegie-Mellon Univ, 65-66. Overseer, Tuck Sch, Dartmouth Col, 65-Consult, President's Adv. Cmt. Labor-Mgt. Policy, 61-62. Mem. adv. bd. bus. ed, Cmt. Econ. Develop, 58-62; adv. bd, Peace Res. Inst, 62-; mem, President's Cmn. Budget Concepts, 67; bd. trustees, Joint Coun. Econ. Ed, 67- Loeb awards, 66 & 67. U.S.A.A.F., 42-45, Sgt. Econ. Assn; fel. Assn.
- Bus. Econ. Economic analysis and forecasting; economics of research and development; housing and international economics. Publ: Co-auth, Space and society, Oceana, 65; auth, Veblen, A.M. Kelley, 66; co-auth, The world of economics, McGraw, 68. Address: Business Week Magazine, 330 W. 42nd St, New York, N.Y. 10036.
- SILLER, DR. HARRY, b. New York, N.Y., Oct. 12, 10; m. 34; c. 3. STATISTICS, MATHEMATICS. B.S., City Col. New York, 35; M.S., N.Y. Univ, 37, univ. scholar, 54-55, Ph.D.(math. statist), 55. Res. statistician, Soc. Security Bd, 38-41; Nat. Resources Planning Bur, 41-43; U.S. Dept. State, 43; math. sr. res. assoc, Off. Sci. Res. & Develop, 43-46; lectr. math, Connecticut, 46-47; chief res. statistician, Jewish Ed. Cmt, 51-55; from asst. prof. to ASSOC. PROF. MATH, HOFSTRA, 55- Math. Assn; Inst. Math. Statist. Statistical research. Address: Dept. of Mathematics, Hofstra University, Hempstead, N.Y. 11550.
- SILLER, DR. JEROME, b. Brooklyn, N.Y., Aug. 20, 30; m. 54; c. 2. PSYCHOLOGY. B.S.S., City Col. New York, 51, fel, 51-52, 53-54, M.A., 52; Ph.D.(psychol), N.Y. Univ, 56. Clin. intern psychol, Manteno State Hosp, 52-53; asst. statist, City Col, 53-54; N.Y. Univ, 54-55; instr. psychol, Brooklyn Col, 55-56; assoc. res. scientist, N.Y. UNIV, 56-59, sr. res. scientist & proj. dir, 59-67, ASSOC. PROF. ED. PSYCHOL, 67- Lectr, DeWitt Clinton Youth & Adult Center, 57-58. Consult, Div. Voc. Rehab, New York, 59- Mem. psycho-soc. study sect, Soc. & Rehab. Serv, 68- Dipl. Am. Bd. Exama. Prfnl. Psychol, 66. Psychol. Assn; fel. Soc. Res. Child Develop; Nat. Psychol. Assn. Psychoanal. Personality; psychoanalysis; psychotherapy; physical disability. Publ: Socioeconomic status and conceptual thinking; Psychological concomitants of amputation in children; Reaction to physical disability by the disabled and nondisabled. Address: 137-52 223rd St, Laurelton, N.Y. 11413.
- SILLS, DR. DAVID L(AWRENCE), b. New York, N.Y., Aug. 24, 20; m. 48. SOCIOLOGY. B.A., Dartmouth Col, 42; M.A., Yale, 48; Ph.D., Columbia, 56. Res. analyst, pub. opinion & sociol. res. div, civil info. & ed. sect, Gen. Hq. Supreme Comdr. Allied Powers, Japan, 47-50; res. assoc, bur. appl. soc. res, Columbia, 51-57, acting dir, 57-59, dir. res, 60-61; ed, Crowell-Collier, Macmillan, 62-67; fel. Center Adv. Study Behav. Sci, 67-68; ASSOC. DIR. DEMOG. DIV. POP. COUN, 68- Lectr, sch. gen. studies, Columbia, 59-60, adj. res. assoc, bur. soc. res, 62-67; summer lectr, Wayne, 47. Expert, demog. training & res. centre, UN Tech. Asst. Orgn, Bombay, India, 60-61. Ed. Int. Encyclop. Soc. Sci, Macmillan, 68. U.S.A. 42-46, 1st Lt. Fel. Sociol. Assn; Asn. Pub. Opinion Res. Public opinion; population; organizational sociology. Publ: Volunteers: means and ends in a national organization; co-auth, The government of associations, Bedminster, 66. Address: Population Council, 245 Park Ave, New York, N.Y. 10017.
- SILVA, DR. DONALD H(ERBERT), b. Evergreen Park, Ill, Jan. 27, 38; m. 60; c. 2. AGRICULTURAL ECONOMICS. B.A., Blackburn Col, 59; M.S., S.Dak. State, 61; Ph.D.(agr. econ), Missouri, 64. Asst. prof. ECON. WIS. STATE. WHITEWATER, 64-66, ASSOC. PROF, 66-; DIR. RES, 67- Fel, Indiana Univ, 66-67. Agr. Econ. Assn. Internal studies; statistical analysis. Publ: Multiple-pricing in U.S. agriculture, Econ. Planning, 66; The impact of federal R&D appropriations on business income distribution, Bus. Perspectives, 67; Federal R&D allocations and income distribution, Nebr. J. Econ, 68. Address: Dept. of Economics, Wisconsin State University, Whitewater, Wis. 53190.
- SILVA, PROF. RUTH C, b. Lincoln, Nebr, June 14, 20. GOVERNMENT. A.B. & A.M. Michigan, 43, Conely scholar, 43, univ. fcls, 43-46, Ph.D., 48. Instr. govt, Wheaton Col, 46-48; from asst. prof. to PROF. POLIT. SCI, PA. STATE, 48- Fulbright prof, Cairo, 52-53; vis. prof, Hopkins, 65. Consult. to U.S. Senator Paul H. Douglas, 56; U.S. Dept. Justice, 57; State Constitutional Revision Cmn, N.Y., 59-60; res. consult, Pa. Constitutional Convention, 67-68. Polit. Sci. Assn.(secy, 57-58); Acad. Polit. Sci; Acad. Polit. & Soc. Sci. United States political parties; legislative apportionment; election and succession of the President. Publ: Presidential succession; Legislative apportionment (in New York); Rum, religion, and votes, Pa. State Univ, 62. Address: 133 Sparks Bldg, Pennsylvania State University, University Park, Pa. 16802.
- SILVANIE, PROF. HAIG, Econ, see 10th ed, Soc. & Behav. Vols, deceased 63.
- SILVER, DR. ALBERT W(OLF), b. Berlin, Germany, June 8, 29; m. 59. CLINICAL PSYCHOLOGY. B.S. City Col. New York, 51; M.A. Mich. State, 55, Ph.D., 58. Trainee psychol, Vet. Admin, 54-56; intern, Children's Center Wayne County, 56-57; psychologist, Wayne County Juvenile Court, 57-58, chief psychologist, clin. child study, 58-63; ASSOC. PROF. HUMAN GROWTH & DEVELOP, EASTERN MICHIGAN, 63- Psychologist, private practice, 58-; instr, Wayne State, 59- Consult, Children's Orthogenic Sch, 60-; Chicago family court study, Nat. Coun. Crime & Delinquency, 62; YMCA Youth Center & Gang Prog, 63-66. Psychol. Assn; Group Psychother. Assn. Juvenile delinquency; parent-child relationships; group dynamics; psychoanalysis; psychotherapy. Publ: TAT and MMPI Pd. scale differences between delinquent and non-delinquent adolescents, J. Consult. Psychol, 8/63; Delinquency, juvenile courts and chronic unemployment, Ment. Hyg, 10/63; Interrelating group-dynamic, therapeutic and psychodynamic concepts, Int. J. Group Psychother, 4/67. Address: 1902 David Stott Bldg, Detroit, Mich. 48226.
- SILVER, DR. ALLAN, b. Jan. 29, 30; U.S. citizen. SOCIOLOGY. B.A., Michigan, 54, M.A., 55, Ph.D.(soc. psychol), 63. Asst. prof. SOCIOL, Wisconsin, 62-64; COLUMBIA, 64-68, ASSOC. PROF, 68- U.S.A. 51-53. Sociol. Assn; Polit. Sci. Assn; Hist. Assn. Historical and political sociology of elite-mass relations—working class conservatism in England, independence of elected judiciary in United States, relation between popular violence and elite decisions. Publ: Co-auth, Angels in marble: working class conservatives in urban England, Univ. Chicago, 68; auth, Demand for order in civil society, In: The police, Wiley, 67; Military repression and political reform, In: English society, Atherton, 68. Address: Dept. of Sociology, 506 Hamilton Hall, Columbia University, New York, N.Y. 10027.

SILVER, DR. CARL A (VROM), b. Cleveland, Ohio, Aug. 2, 29. **PSYCHOLOGY**. B.A., Bowling Green State, 51; M.A., Ohio State, 52, Rotary fel., 53-54, Ph.D. (psychol.), 55. Asst. Ohio State, 52-53; res. psychologist, psychol. br., aeromed. lab, Wright Air Develop. Center, 55-56; psychol. dept., Army Med. Res. Lab, 56-58; sr. res. scientist, Minneapolis-Honeywell Regulator Co., 58-62; mgr. behav. sci. lab, Franklin Inst., 62-67; **ASSOC. PROF. PSYCHOL. & STATIST.**, DREXEL INST., 67- Mem. cmt. road user characteristics, Hwy. Res. Bd, Nat. Acad. Sci-Nat. Res. Coun., 67- Psychol. Asn.; Optical Soc.; Human Factors Soc.; Psychonomic Soc. Experimental and physiological psychology; vision; audition. Publ: Temporal factors in sensory preconditioning; Visibility of moving objects; Theory of interaural inhibition. Address: 1402 Dorset Lane, Overbrook Hills, Pa. 19151.

SILVER, DR. EDWARD ALLAN, *Oper. Res.*, see 11th ed, *Phys. & Biol. Vols.*

SILVER, JACK, b. New York, N.Y., June 19, 23; m. 46; c. 2. **MATHEMATICAL STATISTICS**. B.A., George Washington, 49. Prog. analyst, U.S. Dept. Air Force, 52-53; chief field methods res. br., U.S. BUR. CENSUS, 63, **ASST. CHIEF CONSTRUCT. STATIST. DIV.** 63- U.S.A., 43-46, Lt. Statist. Asn. Sample survey methods; statistical quality control; construction statistics. Address: 6533 Elgin Lane, Bethesda, Md. 20034.

SILVER, DR. REUBEN J., b. Medway, Mass, Sept. 12, 24; m. 51; c. 2. **CLINICAL PSYCHOLOGY**. B.A., Northeastern, 45; M.A., Harvard, 47; Ph.D. (psychol.), N.Y. Univ., 51. Instr. psychol., Long Island, 47-49; clin. psychologist, Ment. Hyg. Clin., Fergus Falls, Minn., 49-56; chief clin. psychologist, Fergus Falls State Hosp., 56-59; asst. prof. clin. psychol., med. sch., Minnesota, 59-62; **ASSOC. PROF. PSYCHIAT.**, ALBANY MED. COL., 62- Psychol. Asn. Psychotherapy; objective and projective psychological tests. Address: Dept. of Psychiatry, Albany Medical College, Albany, N.Y. 12208.

SILVERA, DR. ALAIN, *Mod. Hist.*, see 5th ed, *Dir. Am. Scholars*, Vol. I, *Hist.*

SILVERBERG, PROF. JAMES M (ARK), b. New York, N.Y., Dec. 16, 21; m. 49; c. 3. **SOCIAL ANTHROPOLOGY**. B.A., Wisconsin, 47, univ. scholar, 47-48, M.A., 50, Ford Found. faculty fel., 51-52, Ph.D. (anthrop.), 62; summer, New Mexico, 47. Asst. field proj., India, Columbia, 49-51; res. assoc. Bur. Soc. Sci. Res. Inc., American Univ., 52-53, consult., 58-59; prof. **ANTHROP.**, Venezuela, 53-56; instr., **WISCONSIN, MILWAUKEE**, 56-61, asst. prof., 61-63, assoc. prof., 63-67, **PROF.**, 67-, field dir., soc. use of energy field proj., 62. Ford Found., Johnson Found., & Wenner-Gren Found. grants, directing student res., Colombia & to participate Int. Cong. Anthrop. & Ethnol. Sci., 64; Nat. Sci. Found. grant & acting dir., White Marl site excavation, Jamaica, 66. Spec. participant Congress Latin Am. Sociol., Venezuela, 61. Fel. Anthrop. Asn.; Asn. Asian Studies. Cultural anthropology; social and ideological components of cultural systems; economic and political contexts of behavior; processes and problems of culture change; social acceptance of solar energy cookers. Publ: Co-auth. & ed. Social mobility in the caste system in India, Mouton & Co, The Hague, (in press); auth., Caste-ascribed status versus caste-irrelevant roles, In: *Man in India*; Ethnography and communications research as complementary approaches to the study of area wide social change, In: *Anthropology and tribal welfare in India*. Address: Dept. of Anthropology, University of Wisconsin, 3203 Downer Ave., Milwaukee, Wis. 53201.

SILVERMAN, DR. ALBERT J (ACK), *Psychiat. Psychophysiol.*, see 11th ed, *Phys. & Biol. Vols.*

SILVERMAN, CORINNE (MRS. A. B. KYLE), b. New York, N.Y., Jan. 4, 30; m. 59; c. 3. **POLITICAL SCIENCE**. B.A., Bennington Col., 50; M.A., Radcliffe Col., 53. Chief asst. polit. anal., Samuel Lubell Assocs., N.Y., 54-58; assoc. ed. pub. admin., Inter-Univ. Case Prog., 58-60; ed. bus. Index & Retrieval Sys., Inc., 60-63; res. asst. bus., McKinsey & Co, Inc., 63-64; **SR. RES. ASST. MKT., MKT. SCI. INST.**, 64- Admin. dir., Isis, Inc., 67- Polit. Sci. Asn.; Document. Inst. Information retrieval; American political formation centers; computer-assisted instruction. Publ: *The Little Rock story*, 60 & *The President's economic advisors*, 61, Univ. Alabama; co-auth. *A pressure group and the pressured*, *Am. Polit. Sci. Rev.*, 53. Address: Marketing Science Institute, 3401 Market St., Philadelphia, Pa. 19104.

SILVERMAN, DR. DOROTHY, b. New York, N.Y., May 19, 19. **EDUCATIONAL PSYCHOLOGY**. A.B., Brooklyn Col., 41, A.M., 44; Ed.D., N.Y. Univ., 60. Lectr. classical lit., Brooklyn Col., 45-55; **COUNSR. & TEACHER**, NEW YORK BD. ED., 49-62, res. asst., 62-66; **SUPVR.**, 66- Psychol. Asn.; Ed. Res. Asn.; Nat. Coun. Measurement in Ed. Self-concept; projective techniques. Address: 2261 Ocean Ave., Brooklyn, N.Y. 11229.

SILVERMAN, DR. HAROLD, b. New York, N.Y., Apr. 29, 21; m. 42; c. 2. **GUIDANCE, COUNSELING**. A.B., Queens Col., 41; M.A., Washington (St. Louis), 50, B.S., 51, Ed.D. (counseling), 52. Voc. counsr., Jewish Voc. Serv., Mo., 46-52; exec. dir., B'nai B'rith Voc. Serv., Ill., 52-57; Temple Israel, 58-64; **SCOPE**, 64-66; **ASSOC. PROF. GUID. & COUNSELING**, WRIGHT STATE, 66- Consult., Dayton Police Dept., 67-; Mich. State Univ-Ford Found. Police Community Rels. Proj., 67- U.S.A., 43-46, Sgt. Psychol. Asn.; Voc. Guid. Asn.; Asn. Counsr. Ed. & Supv.; Personnel & Guid. Asn. Vocational guidance and counseling; career planning; occupational information; agency administration; group dynamics and relations; inter-group relations; police-community relations training; educational psychology; poverty programs; federal funding; counselor training. Publ: *Agency directors and professional growth of personnel*; Follow-up study of nurse counselors; *Police-human relations training*, Police Chief, 2/68. Address: 1731 Philadelphia Dr., Dayton, Ohio 45406.

SILVERMAN, DR. HERBERT, b. Brooklyn, N.Y., Dec. 12, 21; m. 43; c. 2. **PSYCHOLOGY**. B.S., Wayne, 47; M.A., Michigan, 49, Ph.D. (psychol.), 53. Chief clin. psychologist, Vet. Admin. Ment. Hyg. Clin., Detroit, Mich., 55-60, **CHIEF PSYCHOLOGIST, OUTPATIENT SERV. VET. ADMIN. HOSP. DEARBORN**, 60- Lectr., Michigan, 52-63, asst. prof., 63-; private practice, 54- Consult., training prog. psychol., psychol. clin., Oakland County Juvenile Court, Pontiac, Mich., 66- Dipl., Am. Bd. Exam. Prnl. Psychol., 58. U.S.A., 42-45. Acad. Psychother.; fel. Psychol. Asn.; Asn. Marriage Counsr. Projective techniques; criteria of change in psychotherapeutic theory and tech-

nique. Publ: Varieties of supportive psychotherapy, *Psychother: Theory, Res, Practice*, 65; The influence of values on psychotherapeutic tactics and strategy, *Voices: Art & Sci. of Psychother.*, 66; Determinism, choice responsibility and the psychologist's role as expert witness, *Am. Psychologist*, (in press). Address: 23830 Oneida St., Oak Park, Mich. 48237.

SILVERMAN, DR. HIRSCH LAZAAR, b. New York, N.Y., June 19, 15; m. 42; c. 3. **PSYCHOLOGY**. B.S.S., City Col. New York, 36, M.S., 38; Hayden scholar, N.Y. Univ., 38-40, M.A., 48; cert., Yale & Virginia, 45; M.A., Seton Hall, 57; Ph.D., Yeshiva, 51; hon. Sc.D., Lane Col., 62; LL.D., Fla. Mem. Col., 65. Teacher, high sch., N.J., 36-39; psychol. soc. worker, dept. pub. affairs, City of Newark, 39-42; asst. prof. philos. & psychol., Mohawk Col., State Univ. N.Y., 46-48; ed. & voc. consult. psychologist, psychol. lab, Stevens Inst. Tech., 48-49; asst. prof. psychol., Newark Col., Rutgers, 49-53, lectr., sch. ed., 49-51; vis. prof. psychol., Seton Hall, 53-59, psychologist, guid. center, 53-54; prof. psychol., grad. sch. ed., Yeshiva, 59-65, dir. psychol. & personnel serv., 59-60, chmn. dept. ed. & sch. psychologist, 59-61; **PROF. ED.** (PSYCHOL. FOUNDS), SETON HALL, 65- Asst. to dean grad. div., Yeshiva, 51-52; lectr., Paterson State Col., 57-59. Psychologist, Vet. Admin., 46; Fuld Clin., 51-55; private practice, 50- Consult. rehab. cmt., N.J. Blind Cmn., 53-; clin., N.Y. Med. Col. Flower & Fifth Ave. Hosps., 61- Asst. supt. schs. & dir. psychol. serv., pub. schs., Nutley, N.J., 53-59; dir., Occup. Center, Essex County, 58-61; Family Serv. Bur. Newark, 60-69. Mil. Intel., U.S.A., 42-46. Fel. AAAS; fel. Psychol. Asn.; fel. Asn. Ment. Deficiency; fel. Geront. Soc.; Acad. Psychother.; Nat. Rehab. Asn.; Asn. Adv. Psychother.; Group Psychother. Asn.; fel. Asn. Marriage Counsr.; Psychomet. Soc.; Acad. Relig. & Ment. Health; Philos. Asn.; Interam. Soc. Psychol.; fel. Soc. Sci. Study Sex; fel. Orthopsychiat. Asn.; Med. Writers Asn.; Personnel & Guid. Asn.; fel. N.Y. Acad. Sci.; Royal Soc. Health; Int. Asn. Appl. Psychol.; fel. Int. Coun. Psychol.; World Fedn. Ment. Health. Social sciences; humanities; mental health. Publ: *Psychology and education: a textbook of essays*, Philos. Library, 62; *Psychiatry and psychology*, 63 & ed., *Marital counseling: psychology, ideology, science*, 67, C.C. Thomas. Address: Graduate Division, Seton Hall University School of Education, South Orange, N.J. 07079.

SILVERMAN, DR. IRVING, b. Pittsburgh, Pa., Jan. 19, 22; m. 51; c. 3. **AUDIOLOGY, SPEECH PATHOLOGY**. B.S., Pittsburgh, 51, M.S., 55; Ph.D. (audiol.), Wisconsin, 63. Speech pathologist, Inst. Logopedics, Kans., 54-55; dir. speech & hearing ther., New Castle State Hosp. Epileptics, Ind., 57-59; speech & hearing center, Harrisburg Polyclin. Hosp., Pa., 65-67; **SPEECH PATHOLOGIST & AUDIOLOGIST, HARRISBURG STATE HOSP.**, Pa., 67- Trainee communicative disorders, Houston Speech & Hearing Center, Tex., 63-65; clin. instr., dept. otolaryngol., col. med., Baylor, 63-65. U.S.A., 45-46. Speech & Hearing Asn.; Acad. Aphasia. Communication disorders among the mentally ill; the use of dichotic auditory stimuli for localization of central nervous system lesions; diagnosis and evaluation of communication disorders in children. Address: 520 N. Houcks Rd., Harrisburg, Pa. 17109.

SILVERMAN, DR. IRVING, b. New York, N.Y., Aug. 4, 24; m. 62; c. 1. **SOCIOLOGY**. B.A., Brooklyn Col., 48; M.A., Columbia, 50, M.P.H., 59, Ph.D. (sociol.), 64. Res. asst. soc. psychiat., med. col., Cornell, 56-57; spec. trainee epidemiol., sch. pub. health, div. epidemiol., Columbia, 58-61, instr., 61-62, res. assoc. proj. adminstr., div. med. care admin., 62-64; **ASST. PROF. PSYCHIAT.**, N.Y. MED. COL. & **DIR. RES. DIV. COMMUNITY MENT. HEALTH**, 65- U.S.A., 43-46. Sociol. Asn. Basic and applied social research in health questions, especially community mental health. Address: Apt. 6B, 454 Riverside Dr., New York, N.Y. 10027.

SILVERMAN, DR. JERRY MARK, b. Chicago, Ill., May 17, 42; m. 61; c. 2. **INTERNATIONAL RELATIONS, GOVERNMENT**. A.B., Calif. State Col. Long Beach, 63; univ. fel., Claremont Grad. Sch. & Grad. Center, 64-65, Nat. Defense For. Lang. fel., 65-66, Ph.D. (int. rels. govt), 67. Instr. polit. sci., CENT. WASH. STATE COL., 65-66, **ASST. PROF.**, 67- Asst. dir., Nat. Defense Ed. Act. Summer Inst. Southeast Asian Studies, 68. Officer in training, Far East Training Center, Univ. Hawaii, Agency Int. Develop., 67, prog. eval. officer, Civil Ops. & Revolutionary Develop. Support-Agency Int. Develop., II Corps Tactical Zone, Repub. Vietnam, 67-68, dep. prov. sr. adv., Lam Dong Prov., 68- Polit. Sci. Asn. Developing relevant criteria for measuring progress in pacification counter-insurgency programs. Address: 13211 Donegal Dr., Garden Grove, Calif. 92641.

SILVERMAN, DR. LLOYD H (OWARD), b. New York, N.Y., Dec. 20, 29; m. 58; c. 1. **PSYCHOLOGY**. B.A., N.Y. Univ., 51, Ph.D., 58; M.S., City Col. New York, 52. Staff psychologist, Court Spec. Sessions, New York, 55-58; sr. psychologist, Mt. Sinai Hosp., 58-59; supvr. psychologist, Jewish Bd. Guardians, 59-61; res. assoc. psychol., Pennsylvania, 61-63; **RES. PSYCHOLOGIST, VET. ADMIN. HOSP.**, 63- Lectr., Hunter Col., 56-57; instr., City Col. New York, 56-59; N.Y. Univ., 58-60, adj. asst. prof., 60- Psychol. Asn.; Soc. Proj. Tech. Subliminal perception; ego impairment and its relationship to aggressive urges; psychoanalytic research. Publ: *Ego impairment in schizophrenia as reflected in the object sorting test*, *J. Abnorm. & Soc. Psychol.*; Q-sort study of the validity of evaluations made from projective techniques, *Psychol. Monogr.*; An experimental approach to the study of dynamic propositions in psychoanalysis, *J. Am. Psychoanal. Asn.*, 67. Address: 315 Central Park West, New York, N.Y. 10025.

SILVERMAN, PROF. MORRIS, *Hist.*, see 5th ed, *Dir. Am. Scholars*, Vol. I, *Hist.*

SILVERMAN, PROF. ROBERT E (UGENE), b. Providence, R.I., Mar. 1, 24; m. 49; c. 2. **PSYCHOLOGY**. A.B., Brown, 48; Ph.D. (psychol.), Indiana, 52. Asst. prof. **PSYCHOL. UNIV. COL. ARTS & SCI. & GRAD. SCH. ARTS & SCI.**, N.Y. UNIV., 52-57, assoc. prof., 57-61, **PROF. & CHMN. DEPT.**, 61- Consult., World ORT Union, 62-; Bolt Beranek & Newman, Mass., 65- U.S.A., 43-46. AAAS; Psychol. Asn.; Ed. Res. Asn. Personality; human learning with emphasis on automated teaching and programmed learning; conditions affecting motivation and learning. Publ: *How to use programmed instruction in the classroom*, Bolt Beranek & Newman, 67; *The evaluation of programmed instruction*, *Psychology in Schs.*, 64; *Wanted: a good model*, *NSPI Jour.*, 66. Address: Dept. of Psychology, New York University College of Arts & Science, University Heights, N.Y. 10453.

- SILVERMAN, DR. SIMON S, b. New York, N.Y., Oct. 19, 05; m. 31; c. 2. CLINICAL PSYCHOLOGY. B.S., City Col. New York, 27; M.A., Columbia, 29; Ph.D.(clin. psychol.), Yeshiva, 53. Psychologist, Court Gen. Sessions & Dept. Hosp., N.Y. 30-35; BUR. CHILD GUID., NEW YORK BD. ED., 35-52, supvr. sch. psychologists, 40-55, acting asst. dir., 55-58, asst. dir., 58-61, DIR., 61- Lectr., Brooklyn Col., 37-50. Ed. Pathways in Child Guid., 57 Trustee, Stockbridge Sch. Mass., 62-; Childville, 64-; Jewish Ed. Cmt., 66-; Center Human Develop., Hebrew Univ., Israel, 67-, founding fel., 67. Mem. Mayor's Cmn. Ment. Retardation, New York, 65-67; ad hoc cmt. on cert. pupil personnel workers, N.Y. State Dept. Ed., 67-68; prinl. adv. cmt., Queens County Ment. Health Assn. U.S.A., 42-45, Capt. Psychol. Assn; Orthopsychiat. Assn. Education; administration; child development; psychopathology of children and adolescents; problems of administration of child guidance clinics. Publ: The piper must be paid; Children living in a world of tensions; ed., Mental health and education, Proc. Biennial Inst., New York Bd. Ed., 6/67. Address: 73-22 192nd St., Flushing, N.Y. 11366.
- SILVERMAN, DR. SONDRA, b. Brooklyn, N.Y., Aug. 21, 38. POLITICAL SCIENCE. A.B., Brooklyn Col., 59; Alvin Johnson scholar, New Sch. Soc. Res., 59-60, Victor A. Jelenko scholar, 60-61, A.M., 61; Fulbright scholar, Australian Nat. Univ., 61-62, univ. scholar, 63-66, Ph.D.(polit. sci.), 67. Tutor Am. hist., Australian Nat. Univ., 64-66; instr. POLIT. SCI., BROOKLYN COL., 66-67, ASST. PROF., 67- Polit. Sci. Assn. Political psychology and sociology. Publ: Australian political strikes, In: Australian labour relations: readings, 67; Riots, New Soc., 7/67. Address: Dept. of Political Science, Brooklyn College, Brooklyn, N.Y. 11220.
- SILVERMAN, DR. SYDEL, b. Chicago, Ill., May 20, 33; m. 53; c. 2. ANTHROPOLOGY. M.A., Chicago, 57; Nat. Sci. Found. fel., Columbia, 59-60, Nat. Inst. Ment. Health fel. & grant, 60-63, Ph.D.(anthrop.), 63. Lectr. ANTHROP., QUEENS COL.(N.Y.), 62-64, instr., 64-65, asst. prof., 66-68, ASSOC. PROF., 68- Wenner-Gren Found. res. grant, 67-68. Anthropol. Assn; Ethnol. Soc. Peasant studies, especially Central and Southern Italy. Publ: Patronage and community-nation relationships in central Italy, Ethnology, 4/65; An ethnographic approach to social stratification, 8/66 & Agriculture organization, social structure and values in Italy, 2/68, Am. Anthropologist. Address: Dept. of Anthropology, Queens College, Flushing, N.Y. 11367.
- SILVERN, DR. LEONARD C(HARLES), Phys. Eng. Psychol., see 11th ed, Phys. & Biol. Vols.
- SILVERNAIL, DR. RICHARD G(EOERGE), b. Gloversville, N.Y., Dec. 12, 27; m. 49; c. 2. GEOGRAPHY. B.A., Kentucky, 51; M.S., Fla. State, 53; Ph.D. (geog.), North Carolina, 60. Instr. GEOG., R.I. Col., 60-61; asst. prof., Ohio State, 61-65; ASSOC. PROF., SOUTH CAROLINA, 65-, ACTING HEAD DEPT., 67- U.S.N., 45-46. Asn. Am. Geog.; Regional Sci. Assn; Nat. Coun. Geog. Ed. Agricultural land use; location analysis; historical geography of North America; regional planning and regional location analysis; field methods in geographic education; recreational geography; land use. Publ: The use of a diagnostic and predictive tool in geography: a simulation of blister rust diffusion, Southeast. Geog., 65; Aerial photographs in secondary schools, J. Geog., 67; co-auth. The impact of recreation on coastal South Carolina, S.C. Econ. in Transition, 67. Address: Dept. of Geography, University of South Carolina, Columbia, S.C. 29208.
- SILVERSTEIN, DR. ALBERT, b. Graz, Austria, Dec. 25, 35; U.S. citizen; m. 57; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A., Cornell, 57, M.S., Yale, 58; Ph.D.(psychol.), California, Berkeley, 63. Instr. PSYCHOL., St. Mary's Col.(Calif.), 62-63; asst. prof., RHODE ISLAND, 63-67, ASSOC. PROF., 67- Nat. Inst. Ment. Health res. grants, 64-68. Psychol. Assn. Verbal learning; motivation. Publ: Acquired word value and verbal learning, Psychol. Reports, 64; The Grubo psychology, Psychol. Bull., 66; Unlearning, spontaneous recovery and the partial reinforcement effect, J. Exp. Psychol., 67. Address: Dept. of Psychology, University of Rhode Island, Kingston, R.I. 02881.
- SILVERSTEIN, DR. ALEXANDER, Neurol. Psychiat., see 11th ed, Phys. & Biol. Vols.
- SILVERSTEIN, DR. ARTHUR B(ERTRAM), b. Brooklyn, N.Y., Aug. 11, 26; m. 50; c. 2. PSYCHOLOGY. A.B., N.Y. Univ., 48, A.M., 52, Ph.D., 56. Asst., N.Y. Univ., 49-51; intern clin. psychol., Conn. State Hosp., 51-52; res. asst., sch. med., Maryland, 53-57, res. assoc., 57-59; RES. PSYCHOLOGIST, PACIFIC STATE HOSP., 59- U.S.A., 46-47. Psychol. Assn; Asn. Ment. Deficiency. Body image; associative processes; conceptual behavior. Publ: Co-auth. Representation of orthopedic disability in children's figure drawings, J. Consult. Psychol.; Depression in a six year old boy with acute poliomyelitis, Psychoanal. Study Child; Psychopharmacological test of the body image hypothesis, J. Nervous & Ment. Disease. Address: Pacific State Hospital, Box 100, Pomona, Calif. 91766.
- SILVERSTEIN, DR. BERNARD, b. Philadelphia, Pa., Dec. 3, 27; m. 51; c. 3. PATHOLOGY, AUDIOLOGY. B.A., Pa. State, 49; M.A., Temple, 51, Ph.D. (speech, path, audiol.), 53. Clin. dir. & lectr. speech, E.Tenn. Hearing & Speech center, TENNESSEE, 53-66, PROF. SPEECH PATH., 66-, DIR. SPEECH PATH. SERV., HEARING & SPEECH CENTER, 53- U.S.A., 46-47. Speech & Hearing Assn. Speech pathology; prevention of speech defects through improvement techniques; stuttering of psychogenic etiology; articulation defects of neurological etiology. Address: Hearing & Speech Center, University of Tennessee, Knoxville, Tenn. 37916.
- SILVERSTEIN, PROF. JOSEF, b. Los Angeles, Calif., May 15, 22; m. 54; c. 2. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A., California, Los Angeles, 52; Fulbright fel., Rangoon, Burma & Ford fel., Burma & Eng., 55-56; Ph.D.(polit. sci.), Cornell, 60. Sr. teaching asst. govt., Cornell, 56-58; instr., Wesleyan, 58-59, asst. prbf., 59-64; assoc. prof. POLIT. SCI., RUTGERS, 64-67, PROF., 67- Vis. Fulbright lectr., Mandalay, Burma, 61-62 & Univ. Malaya, 67-68; vis. prof., Cornell, summers, 63-66; Pennsylvania, 66; Am. Coun. Learned Soc.-Sci. Res. Coun. res. grant, 67-68. U.S. Merchant Marines, 42-48, 51, 52-53. Polit. Sci. Assn; Asn. Asian Studies. Burmese constitution, politics and social development; international relations of Southeast Asian countries; Asian students and the political process. Publ: co-auth. & ed., Southeast Asia in World War II: four essays, In: monograph series 7, Southeast Asia Studies, Yale, 66; auth., Burma; Ne Win's revolution considered, Asian Survey VI, 2, 66; Burmese student politics in a changing society, Daedalus, winter 67-68. Address: Dept. of Political Science, Rutgers, The State University, New Brunswick, N.J. 08903.
- SILVERSTEIN, DR. MICHAEL, b. Oakland, Calif., Oct. 26, 40. SOCIOLOGY. B.A., California, Los Angeles, 62, Nat. Inst. Gen. Med. Sci. fel., 63-66, M.A., 64, Ph.D.(sociol.), 67. ASST. PROF. SOCIOL., CITY COL. NEW YORK, 67- Sociol. Assn. The ideological aspects of social change and deviance. Address: Apt. 2, 60 W. 83rd St., New York, N.Y. 10024.
- SILVERSTEIN, PROF. NATHAN L(OUIS), b. Baltimore, Md., Apr. 27, 04. BUSINESS FINANCE. A.B., California, Los Angeles, 28, fel., 30-31; Ph.D., Wisconsin, 36. Asst., Wisconsin, 31-36; PROF. FINANCE, INDIANA, 36- Vis. prof. California, Los Angeles, 46-47. Econ. Assn; Finance Assn. Publ: Corporation finance simplified. Address: Dept. of Finance, Indiana University, Bloomington, Ind. 47401.
- SILVERSTEIN, DR. SAM, b. New York, N.Y., Jan. 25, 28. PSYCHOLOGY. B.S.S., City Col. New York, 50; M.A., Boston, 51; Ph.D., Tennessee, 54. Psychologist, Vet. Admin., 52-54; Juvenile Diagnostic Center, Columbus, Ohio, 55; res. psychologist, Jewish Voc. Serv., 55-63; training consult, voc. rehab. admin., Dept. Health, Ed. & Welfare, 63-65; TRAINING SPECIALIST, NAT. INST. MENT. HEALTH, 65- Lectr., Wisconsin, Milwaukee, 57- U.S.A.A.F., 46-47. Psychol. Assn. Mental health manpower; community mental health. Publ: Some personality correlates of leveling and sharpening, utilization of the thematic apperception test and the sentence completion test. Address: 10826 Margate Rd., Silver Spring, Md. 20901.
- SILVERT, PROF. K(ALMAN) H(IRSCH), b. Bryn Mawr, Pa., Mar. 10, 21. POLITICAL SCIENCE. A.B. & Am. Conn. Learned Soc. grant, Pennsylvania, 42, A.M., 47, Penfield traveling scholar, 47-48, Ph.D., 48. Spanish exam., U.S. Bur. Consorship, 42; teacher Spanish & polit. sci., prep. sch., Lincoln Col., 46-47; from asst. prof. to prof. polit. sci., Tulane, 48-67; PROF. GOVT. & DIR. IBERO-AM. LANG. & AREA CENTER, N.Y. UNIV., 67- Study of ed. & soc. develop. in Latin Am., Brookings Inst., 66-; prog. adv. soc. sci. & Latin Am., Ford Found., 67- Consult, Encyclop. Britannica pub. W. Benton, 59-66; Ed. & World Affairs, 65-67; World Book Encyclop., 66-67. Polit. Sci. Assn; Soc. Pub. Admin; Latin Am. Studies Assn.(pres., 66-67). Latin American governments and economics; Middle American politics; Chilean development corporation; comparative politics; theory of development. Publ: Chile yesterday and today, Holt, 66; The conflict society, Am. Univ. Field Staff, rev. ed., 67; Guatemala: a study in government, Mid. Am. Res. Inst., 55. Address: Dept. of Government & International Relations, New York University, New York, N.Y. 10003.
- SILVERTHORN, DR. LEE J(AMES), b. Atlanta, Ga., Nov. 27, 29; m. 50; c. 2. CLINICAL PSYCHOLOGY. A.B., Michigan, 50; M.A., Kansas, 53, Ph.D., 57. Trainee, Vet. Admin., Kansas, 52-57, instr. exten. div., 57-61; clin. psychologist, Vet. Admin. Consol. Center, Wadsworth, Kans., 57-59, asst. chief psychol. serv., 60-66; chief psychologist, Vet. Admin. Hosp., St. Louis, Mo., 66 & 67; Fulbright lectr., psychol., Chiangmai, 66-67; CHIEF PSYCHOL. SERV., VET. ADMIN. HOSP., MEMPHIS, 67- Private practice, 61- Consult. psychologist, Atchison County Guid. Clin., Kans., 60-66. Fel. AAAS; Psychol. Assn. Psychological aspects of chronic illness; psychological impact of psychotomimetic drugs; phenomenology and personality theory. Address: 3053 Flint Dr., Memphis, Tenn. 38118.
- SILVING, PROF. HELEN, b. Krakow, Poland; nat; m. 57. LAW. Dr. pol. sci., Vienna, 29, Dr. laws, 36; LL.B., Columbia, 44. Assoc. attorney, Mudge, Stern, Williams & Tucker, New York, 44-45; attorney, U.S. Dept. Justice, 48-53; res. assoc. civil law & Harvard-Israel comp. res. law sch., Harvard, 54-56; vis. prof. LAW, PUERTO RICO, 56-57, PROF., 57- Vis. lectr., law sch., Yale, 48-49; Fulbright lectr., Seoul, 64 & 67-68. Adv. legis. penal reform cmn., Commonwealth P.R., 59-64; secy., Am. Nat. Sect., Int. Asn. Penal Law, 61-63. Soc. Int. Law. Criminal law and procedure; law and psychiatry; comparative law; philosophy of law. Publ: Essays on criminal procedure; Constituent elements of crime; Essays on mental incapacity and criminal conduct. Address: Condominio Darlington 601, Rio Piedras, P.R. 00925.
- SIMAT, NATHAN S(AMUEL), b. New York, N.Y., June 4, 20; m. 42; c. 3. ECONOMICS. B.S.S., City Col. New York, 41. Economist, res. & anal. div., Civil Aeronaut. Bd., 42-51, chief economist, routes div., 51-54, chief, cert. sect., 54-56; proj. dir., transportation & logistics, Aeronaut. Res. Found., 56-58; v-pres., mgt. sci. div., United Res. Inc., 58-61; PRES. Sys. Anal. & Res. Corp., 61-63; SIMAT, HELLIEN EICHNER, INC., 63- Consult, spec. asst. to President for aviation facilities planning, 59- U.S.A.A.F., 43-46, Sgt. Econ. Assn. Transportation and logistics research; cost benefit and cost effect analyses; system analyses; management control systems. Publ: Co-auth. Demand for intercity passenger travel in the Washington-Boston corridor & Feasibility and cost of expanded intercity air service in the Washington-Boston corridor, U.S. Dept. Commerce; co-auth. Economic feasibility of alternative programs for the Washington National Airport, Fed. Aviation Agency. Address: Simat, Helliessen & Eichner, Inc., 280 Washington St., Brighton, Mass. 02135.
- SIMERL, PROF. L(AWRENCE) H(ARRY), b. Rantoul, Ill., June 9, 07; m. 33; c. 3. ECONOMICS, AGRICULTURAL ECONOMICS. B.S., Illinois, 32, M.S., 39; fel., Chicago, 40-41. Exten. specialist mkt., ILLINOIS, 37-40, assoc., agr. mkt. exten., 41-42, assoc. prof., 47-55, PROF. AGR. ECON., 55- Dir. res., Ill. Agr. Assn., 42-47; mem. prinl. staff, U.S. Senate Cmt. on Appropriations, 48. Agr. Econ. Assn.(award, 45, secy.-treas., 49-51). Agricultural marketing, prices, outlook, forecasting and policy. Publ: Price policy for agriculture; Illinois farmers outlook letter. Address: 302 W. Iowa St., Urbana, Ill. 61801.
- SIMIRENKO, DR. ALEX, b. Kiev, U.S.S.R., Sept. 6, 31; U.S. citizen; m. 59; c. 2. SOCIOLOGY. B.A., Minnesota, 57, M.A., 58, Ph.D.(sociol.), 61. Instr. SOCIOL., NEVADA, 60-62, asst. prof., 62-66, ASSOC. PROF., 66- U.S. Off. Ed. res. grant, 64-66. Fel. Sociol. Assn; Soc. Study Soc. Probs; Acad. Polit. & Soc. Sci.; Asn. Adv. Slavic Studies. Social theory; social organization;

- community studies; Soviet sociology and Soviet social structure. Publ: Pilgrims, colonists, and frontiersman: an ethnic community in transition, Macmillan, 64; ed, Soviet sociology: historical antecedents and current appraisals, 66 & Contemporary Soviet social thought, 68, Quadrangle. Address: Dept. of Sociology, University of Nevada, Reno, Nev. 89507.
- SIMKIN, DR. JAMES S(OLOMON)**, Clin. Psychol, see 10th ed, Soc. & Behav. Vols.
- SIMKINS, DR. LAWRENCE D(AVID)**, b. Philadelphia, Pa, Jan. 18, 33; m. 56; c. 1. PSYCHOLOGY. A.B. Temple, 54; M.A. Lehigh, 56; Ph.D. Houston, 59. Asst. prof. PSYCHOL, Fla. State, 59-64; ASSOC. PROF., MISSOURI, KANSAS CITY, 64- Res. consult, Brandon Psychiat. Clin, 67- Mem. bd. dirs, Nat. Coun. Alcoholism, 66- AAAS; Psychol. Assn; Soc. Proj. Tech. Verbal conditioning and verbal behavior of small groups. Publ: Generalization effects of hostile verb reinforcement as a function of stimulus similarity and type of reinforcer, J. Personality; Reinforcement of duration of talking in triad groups, Psychol. Reports, 66; The effects of utterance duration on verbal conditioning in small groups, J. Soc. Psychol, 67. Address: Dept. of Psychology, University of Missouri at Kansas City, Kansas City, Mo. 64110.
- SIMKINS, DR. PAUL D(EAN)**, b. Marshalltown, Iowa, Oct. 1, 27; m. 51; c. 2. GEOGRAPHY. A.B. Missouri, 51, M.A. 54; Ph.D.(geog, pop), Wisconsin, 61. Asst. prof. GEOG, PA. STATE, 59-66, ASSOC. PROF., 66- U.S.N. 46-47. Asn. Am. Geog; Pop. Assn; Am. Geog. Soc. Population studies, especially internal migration; geography of Latin America. Address: Dept. of Geography, Pennsylvania State University, 441 Deike, University Park, Pa. 16802.
- SIMLER, PROF. NORMAN J(AMES)**, b. Philipsburg, Pa, July 18, 21; m. 49; c. 2. ECONOMICS. B.S. Georgetown, 49, M.A. 53; Ph.D. Minnesota, 59. Instr. ECON, St. Thomas, 51-55, asst. prof, 55-58, assoc. prof, 58-59; asst. prof, MINNESOTA, MINNEAPOLIS, 59-62, assoc. prof, 62-65, PROF, 65- U.S.N.R. 43-46, Lt.(jg). Econ. Assn; Indust. Rels. Res. Assn. Value and distribution theory; income and employment theory; labor economics. Publ: Impact of unionism on wage-income ratios in the manufacturing sector of the economy; The economics of featherbedding, Indust. & Labor Rels. Rev, 62; Unionism and labor's share in manufacturing industries, Rev. Econ. & Statist. Address: Dept. of Economics, University of Minnesota, Minneapolis, Minn. 55455.
- SIMLEY, PROF. O(LE) A(NDREW)**, b. Dane Co, Wis, Dec. 16, 92; m. 24; c. 3. PSYCHOLOGY. B.A. Carleton Col, 19, M.A. 20; fel, Wisconsin, 30-31, Ph.D. 31. Asst. instr. PSYCHOL, Wisconsin, 21-24, 26-27; acting asst. prof, Oberlin Col, 24-26; from asst. prof. to PROF, ARIZONA, 27- Summ. instr., Iowa State Teachers Col, 24, 25. V.chmn, Ariz. State Hosp. Bd. Control, 46-50. Psychol. Assn. Personal counseling; abnormal psychology. Publ: Relation of subliminal to supraliminal learning. Address: Dept. of Psychology, University of Arizona, Tucson, Ariz. 85721.
- SIMMEL, DR. EDWARD C(LEMENS)**, b. Berlin, Germany, Jan. 30, 32; nat; m. 50; c. 2. EXPERIMENTAL PSYCHOLOGY. A.B. California, 55; Ph.D. (psychol), Washington State, 60. Asst. psychol, Washington State, 57-59; res. trainee, Vet. Admin. Hosp, American Lake, Wash, 59-60; asst. prof. psychol. & dir. psychol. lab, West. Wash. State Col, 60-62; asst. prof. psychol, Los Angeles State Col, 62-65; MIAMI (OHIO), 65-67, ASSOC. PROF., PSYCHOL. & COORDINATOR GRAD. PROG, 67- Miami Univ. faculty res. grant, 66-; participant, Nat. Sci. Found. symposium soc. behav, Miami (Ohio), 67. U.S.A.F., 51-52. AAAS; Psychol. Assn; Animal Behavior Soc; Psychonomic Soc. Animal social behavior; discrimination learning; exploratory behavior; distractibility; systems and theories in psychology. Publ: Co-auth, Social facilitation and imitative behavior, Allyn & Bacon, 68; auth, Social facilitation of exploratory behavior in rats, J. Comp. & Physiol. Psychol, 10/62; Rattus Norvegicus and Rattus, Contemporary Psychol, 67. Address: Dept. of Psychology, Miami University, Oxford, Ohio 45056.
- SIMMEL, DR. MARIANNA L(ENORE)**, Psychol, see 11th ed, Phys. & Biol. Vols.
- SIMMONS, DR. ALVIN J(OSEPH)**, b. New Bedford, Mass, Oct. 31, 30; m. 57; c. 5. PSYCHOLOGY. B.S. Boston Col, 52; M.S. Massachusetts, 54, Ph.D. (psychol), 60; S.M.Hyg, Harvard, 62. Asst. psychol, Butler Hosp, Providence, R.I. 52-54; U.S. Pub. Health Serv. intern clin. psychol, Larue D. Carter Mem. Hosp, Indianapolis, Ind, 56-57; U.S. Pub. Health Serv. fel. community ment. health, dept. psychiat, Mass. Gen. Hosp, Boston, 57-58; clin. psychologist, Human Rels. Serv. of Wellesley, Inc, 58-59, admin. asst, 59-61, res. psychologist, 61-62, coordinator res, 61-65; ASSOC. DIR, JOHN F. KENNEDY FAMILY SERV. CENTER, 65- Lectr, Regis Col.(Mass), 58-60; lectr. & consult, grad. sch. nursing, Boston, 60-62; U.S. Pub. Health Serv. fel. epidemiol, sch. pub. health, Harvard, 61-62; asst. prof, Boston Col, 65- Asst. psychologist, Mass. Gen. Hosp, 64- Community ment. health consult, Gov. Coun. Ment. Health, R.I. 64-65. AAAS; Psychol. Assn; Pub. Health Assn; Acad. Polit. & Soc. Sci; Royal Soc. Health. Comprehensive health planning; health consultation; epidemiology of mental health and illness; community mental health and social psychiatry; religion and mental health. Publ: Community mental health and social psychiatry: a reference guide; Community mental health research: a philosophy for research scientists, Pub. Health Reports, 63; Community mental health services: for what and to whom?, Pub. Health Serv, 68. Address: 175 Rockland St, South Dartmouth, Mass. 02748.
- SIMMONS, PROF. ANDRE**, b. Poznan, Poland, Apr. 7, 24; nat. ECONOMICS. B.S. London Sch. Econ, 51, Ph.D.(econ), 60; M.A. Mich. State, 53; California, Los Angeles, 53-56; South. Fels. Found. fel, 59-60. Instr. ECON, Florida, 56-60; ASSOC. PROF, NEVADA SOUTHERN, 60- CHMN. DEPT, 61- Head econ. surv. sect, UN Econ. Cmn. Africa, Addis Ababa, 65-67. Brit. Army, 45-48. Econ. Assn; Regional Sci. Assn. Economic theory and policy; international economics; economic history; regulation of business. Publ: Overseas trade and the Sherman Act, S.C. Law Quart. Address: Dept. of Economics, Nevada Southern University School of Business, Las Vegas, Nev. 89109.
- SIMMONS, DR. AUDREY ANN**, b. Sioux Falls, S.Dak, Mar. 9, 20. EDUCATION OF THE DEAF. B.S. Washington (St. Louis), 41, M.S. 45, Ed.D. 63. Instr, Gallaudet Day Sch. for Deaf, St. Louis, 41-42; CENT. INST. FOR DEAF, 42-49, DIR. AURAL REHAB. DEPT, 49-, DIR. PARTIALLY DEAF & PRIMARY DIV, 59-; COORDINATOR, STUDENT TEACHER PRACTICUM, WASHINGTON (ST. LOUIS), 62-, ASSOC. PROF. ED. OF DEAF, 67-, lectr. teacher ed. prog, 49-56, instr, 56-64, asst. prof. ed. of deaf, 64-67. Consult, State Dept. Ed, Minn. & Va, 62; ed. dept. Univs. Michigan & California, 64. Mem. gov. bd, Alexander Graham Bell Assn. for Deaf, 62- Fel. Speech & Hearing Assn.(adv. cert. in hearing, 56); Coun. Except. Children. Lipreading; language development. Publ: Motivating language in young children, Int. Conf. Ed. of Deaf, 66; Auditory training for the hearing impaired, Proc. Am. Inst. of Deaf, 6/66; Teaching aural language, Volta Rev, 1/68. Address: Central Institute for the Deaf, 818 S. Euclid, St. Louis, Mo. 63110.
- SIMMONS, DR. DALE DAVID**, b. Tacoma, Wash, June 19, 32; m. 56; c. 3. PSYCHOLOGY. B.A. Puget Sound, 54; M.A. Oregon, 58, Ph.D.(psychol), 61. Trainee psychol, Vet. Admin, 56-59; asst. prof, Oregon State, 59-63; private practice, 63-65; dir, Lincoln County Ment. Health Clin, Ore, 65-66; ASST. PROF. PSYCHOL, OREGON STATE, 66- Vis. prof, Utah State, 62. Consult. psychologist, Benton County Ment. Health Clin, 61-66. Field assessment officer, Peace Corps Training Unit, Oregon State, 64. AAAS; Psychol. Assn. Personality and social development; problems in human adjustment. Publ: Children's rankings of occupational prestige, Personnel & Guid. J, 62; Invasion of privacy and judged benefit of personality-test inquiry, J. Gen. Psychol, 68; Sufficient versus necessary reasons for professional involvement, Ment. Hyg, 68. Address: Dept. of Psychology, Oregon State University, Corvallis, Ore. 97331.
- SIMMONS, DR. DONALD C(HARLES)**, b. Evanston, Ill, Apr. 10, 26; m. 51; c. 2. ETHNOLOGY, ANTHROPOLOGY. B.Sc. Northwestern, 48; M.A. Yale, 50, Ph.D. 58; LL.B. Connecticut, 67. Instr. anthrop, Alabama, 56-57; ASSOC. PROF. ANTHROP, CONNECTICUT, HARTFORD BR, 57- Field work in South. Nigeria, 52-53. Ed, Am. Assn. African Res, 57-62. U.S.N. 44-46. Fel. Am. Anthropol. Assn; fel. African Studies Assn; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland; fel. Nigerian Field Soc. West African ethnography, folklore and linguistics. Publ: Sexual life, marriage and childhood among the Efik, Africa; Analysis of cultural reflection in Efik folktales, J. Am. Folklore, 74: 126-141; Protest humor: folkloristic reaction to prejudice, Am. J. Psychiat, 63. Address: 25 Staples Place, West Hartford, Conn. 06107.
- SIMMONS, DR. EDWARD C(HRISTIAN)**, b. Pittsburgh, Pa, Sept. 27, 09; m. 34. ECONOMICS. Brookings Inst. fel, Ohio State, 33, Ph.D.(econ), 36. Instr. ECON, Wayne, 34-36; Michigan, 36-39, asst. prof, 39-47; assoc. prof, Duke, 47-50, prof, 50-62; CONSULT, 62- Soc. Sci. Res. Coun. fel, 41; sr. economist, U.S. Treas. Dept, 42; prin. economist, Off. Price Admin, 42; Off. Alien Property Custodian, 42-43; Ford Found. fel, 57-58. U.S.N.R. 43-46, Lt. Money and banking. Publ: Ed, Organization of debt into currency and other papers—Charles Holt Carroll, Van Nostrand, 64; auth, Mr. Keynes' control scheme, Am. Econ. Rev, 6/33; Consumer credit control and central banking, In: Consumer instalment credit, Bd. Gov. Fed. Reserve Syst, 57. Address: P.O. Box 872, Mt. Dora, Fla. 32757.
- SIMMONS, DR. GEORGE B(ENTON)**, b. Nashville, Tenn, Aug. 3, 31. MANAGEMENT, SYSTEMS ANALYSIS. B.A. Louisville, 53; M.B.A. Indiana, 57, D.B.A.(mkt), 61. Asst. prof. mkt, Texas, 61-62; consult. mkt. res, U.S. Agency Int. Develop, Mex, 62; asst. prof. int. bus, Columbia, 62-66; ASSOC. PROF. MGT. & DIR. CENTER BUS. & ECON. RES, MASSACHUSETTS, AMHERST, 66-, CHMN. DEPT. MGT, 67- U.S.N. 53-56, Res, 56-, Lt. Comdr. Econ. Assn; Inst. Mgt. Sci; Soc. Gen. Sys. Res; Acad. Mgt. Management information systems; data processing; computer simulation; business policy; international business; economic development. Publ: Co-auth, A bibliography of international business, Columbia, 64. Address: Dept. of Management, University of Massachusetts, Amherst, Mass. 01003.
- SIMMONS, DR. JAMES E(DWIN)**, b. Toledo, Ohio, July 13, 23; m. 47; c. 7. CHILD PSYCHIATRY. B.S. Toledo, 45; M.D. Ohio State, 47. Intern. St. Vincents Hosp, Toledo, Ohio, 47-48; psychiat. res, Menninger Found, Topeka, Kans, 48-51; psychiatrist-dir, Child Guid. Clin. Marion County, 53-57; fel. child psychiat, Louisville, 57-58; assoc. prof. child psychiat, MED. CENTER, INDIANA, 58-62, PROF. CHILD PSYCHIAT. & COORDINATOR CHILD PSYCHIAT. SERV, 62- Consult, Indianapolis schs. & Marion County Juvenile Court, Ind, 53-57; community serv. div, Ky. Dept. Ment. Health, 57-58; LaRue D. Carter Hosp. Children's Serv, Indianapolis, 58-; Jewish Soc. Serv, Indianapolis, 60-66; Cath. Soc. Serv, Indianapolis Archdiocese, 65-67. Dipl. Am. Bd. Psychiat. & Neurol, 54, cert. child psychiat, 60. U.S.N. 43-45, Med.C. 51-53, Lt. Fel. Orthopsychiat. Assn; fel. Psychiat. Assn; assoc. fel. Acad. Child Psychiat. Teaching child psychiatry to psychiatrists, pediatricians, general practitioners, medical students and paramedical professions; correlation of prenatal and perinatal phenomenon with differences in infant behavior. Publ: The clinic and the community, Ment. Hyg, 66; Preventive mental health on a mass basis, Med. Opinion & Rev, 66; Maternal variables and neonate behavior, J. Am. Acad. Child Psychiat, 67. Address: Dept. of Psychiatry, Indiana University Medical Center, 1100 W. Michigan St, Indianapolis, Ind. 46202.
- SIMMONS, DR. JERRY LAIRD**, b. Sioux City, Iowa, Aug. 16, 33; m. 57; c. 2. SOCIOLOGY. B.A. Iowa, 59, Ph.D.(sociol), 63. ASST. PROF. SOCIOL, Illinois, 62-65; CALIFORNIA, SANTA BARBARA, 65- Nat. Inst. Ment. Health res. grant, 67- Publ: Co-auth, Identities and interactions, Macmillan, 66 & It's happening, Marc-Laird, 66; auth, Marhuana: myths and realities, Brandon, 67. Address: Dept. of Sociology, University of California, Santa Barbara, Calif. 93106.
- SIMMONS, JOHN D(EREK)**, b. Essex, Eng, July 17, 31; m. 61. ECONOMICS, FINANCE. B.S. Columbia, 56; M.B.A. Rutgers, 59; N.Y. Univ, 59-62. Chief cost acct, Airborne Accessories Corp, 52-57; sr. cost analyst, Curless-Wright Corp, 57; sr. financial analyst, int. group, Ford Motor Co, 58-60; res. assoc, Nat. Assn. Acct, 60-64; asst. to v.p.res. finance, Air Reduction Co, New York, 65-67; MGR. CORP. PLANNING, ANACONDA WIRE & CABLE

CO, 68- Lectr, Rutgers, 57-65. Brit. Army, 50-52, Res, 52-, 1st Lt. Am. Econ. Assn; fel. Royal Econ. Soc. Theory and practice of management accounting; economic studies of under-developed nations; regional analyses of Africa, India and Latin America. Publ: Long range planning; financial aspects, In: *Encyclop. Mgt, Reinhold*, 63; co-auth, Accounting for costs of capacity, 63 & auth, Long-range profit planning, 64, Nat. Assn. Acct. Address: Apt. B-508, 360 E. 72nd St, New York, N.Y. 10021.

SIMMONS, DR. JOHN J(OSEPH), III, b. East Orange, N.J., Oct. 5, 31; m. 53; c. 2. PSYCHOLOGY. B.S., Williams Col, 53; Ed.M., Rutgers, 57, Ed.D., 60. Sch. psychologist, New Providence Bd. Ed, N.J., 59-60; Elizabeth Bd. Ed, 60-62; W.Essex Bd. Ed, 62-65; PSYCHOLOGIST, JEWISH COUNSELING & SERV. AGENCY, NEWARK, 65- Summer psychologist, Pingry Sch, 59-65. U.S.A.F., 54-56, 1st Lt. Psychol. Assn. Psychotherapy and psychoanalysis. Publ: Role playing as a technique for teaching psychology in the elementary school, J. Sch. Psychol, 65. Address: 10 Aberdeen Rd, Chatham, N.J. 07928.

SIMMONS, PROF. LEO T(UCKER), b. Morgan, Utah, Dec. 13, 01; m. 32; c. 1. BUSINESS MANAGEMENT. A.B., Utah, 25; M.S., Columbia, 27; Ph.D.(econ), St. Louis, 39. Asst. prof. MKT, Akron, 32-33; instr, ST. LOUIS, 33-39, asst. prof, 39-44, assoc. prof, 45-62, PROF, 62-, dir. dept, 39-54. Relocation officer, U.S. Dept. Interior, 43-44, relocation supvr, Kans, 44, Mid. Atlantic Area, N.Y., 44-45, spec. relocation officer & field supvr, D.C., 45. McKesson-Robbins award, Ohio State Univ, 59. Mkt. Assn. Marketing; impact of behavioral concepts on advertising; survey of large agencies and corporations. Publ: Issuance of securities under federal regulation. Address: Dept. of Marketing, St. Louis University, St. Louis, Mo. 63100.

SIMMONS, PROF. LEO W(ILLIAM), b. Kinston, N.C., Oct. 31, 97; m. 24; c. 1. SOCIOLOGY. B.A., Bethany Col, 23; B.D., Yale, 25, M.A., 27, Ph.D., 31. Asst. prof. sociol, Maryland, 35-36; Yale, 37-45, assoc. prof, 45-50, prof, 52-59; from prof. ed. in med. sociol. to EMER. PROF. ED, TEACHERS COL, COLUMBIA, 59- Vis. prof, med. center, Cornell, 50-52; Case Western Reserve, 66- Sociol. Assn; Soc. Appl. Anthropol. Medical sociology; personality and culture; gerontology. Publ: Sun chief; Role of the aged in primitive society; Social science in medicine. Address: Teachers College, Columbia University, New York, N.Y. 10027.

SIMMONS, PROF. OZZIE G(ORDON), b. Winnipeg, Man, Oct. 9, 19; U.S. citizen; m. 42; c. 3. SOCIOLOGY, SOCIAL ANTHROPOLOGY. B.S., Northwestern, 41; Livingston fel, Harvard, 47-48, M.A., 48, Arnold traveling fel, 48-49, Ph.D.(sociol), 52. Field dir, inst. soc. anthropol, Smithsonian Inst, 49-52; staff anthropologist, Inst. Inter-Am. Affairs, Chile, 53; from res. assoc. to assoc. prof. soc. anthropol, & dir. psychiat, rehab. proj, Harvard, 53-61; PROF. SOCIOL. & DIR. INST. BEHAV. SCI, COLORADO, 61-, faculty res. fel, 65-66. Vis. prof, Lima, 49-52. Consult, Vet. Admin, 57-65; Ford Found, 65- Mem. health serv. res. study sect, Nat. Insts. Health, 61-65, chmn. alcoholism & alcohol-probs. rev. cmt, Nat. Inst. Ment. Health, 67-69. Hofheimer prize, Am. Psychiat. Assn, 63. U.S.A.A.F., 42-46. Fel. AAAS; fel. Sociol. Assn; fel. Anthropol. Assn; fel. Soc. Appl. Anthropol; Soc. Study Social Probs. Latin American culture and social structure; medical sociology; social psychiatry; urbanization; social and cultural factors in alcohol use. Publ: Social status and public health, Soc. Sci. Res. Coun, 58; co-auth, The mental patient comes home, 63 & auth, Work and mental illness, 65, Wiley. Address: 999 Eighth St, Boulder, Colo. 80302.

SIMMONS, DR. PATRICIA CALDWELL, Ed. Psychol, see 10th ed, Soc. & Behav. Vols.

SIMMONS, DR. RICHARD LEE, b. Barnard, Kans, Nov. 1, 29; m. 58; c. 2. AGRICULTURAL ECONOMICS. B.S., Kansas State, 51, M.S., 55; Ph.D., California, 59. Asst. specialist AGR. ECON, California, 58-58; asst. prof, N.C. STATE, 59-62, ASSOC. PROF, 62- Vis. prof, Agrarian Univ, Peru, 65-68; U.S.A.F., 52-54, 1st Lt. Agr. Econ. Assn. Economic development; public finance. Publ: Case handling costs in fluid milk plants; co-auth, Estimating route assembly costs, 11/64 & Estimating demand parameters under ordinal utility assumptions, 5/68, J. Farm Econ. Address: Dept. of Agricultural Economics, North Carolina State University, Raleigh, N.C. 27607.

SIMMONS, PROF. R(OBERT) F(RANCIS), b. Quincy, Mass, May 14, 25; m. 50, 61; c. 5. PSYCHOLOGY. B.A., Southern California, 49, M.A., 50, Ph.D.(psychol), 54. Asst. prof. dir, Psychol. Serv, Inc, 50-53; cost coordinator, Douglas Aircraft Co, Inc, 54-55; assoc. soc. scientist, Rand Corp, 55-57; human factors scientist, Syst. Develop. Corp, Calif, 57-64, sr. res. leader lang, 67-68; PROF. COMPUT. SCI, TEXAS, AUSTIN, SEPT, 68- Asst, Southern California, 51-54; vis. scientist, Proj. MAC, Mass. Inst. Tech, summer, 63; prof, summer ling. inst, California, Los Angeles, 66. U.S.N., 42-46. Asn. Comput. Mach; Asn. Mech. Trans. & Comput. Ling; Psychol. Assn. Computer synthesis of human cognitive behaviors. Publ: Simulation of cognitive processes; Survey of question answering systems, Commun. Assn. Comput. Mach, 65; Automated language processing, In: Annual review of information sciences, Wiley, 67. Address: Dept. of Computer Science, University of Texas, Austin, Tex. 78712.

SIMMONS, DR. SIDNEY MELVIN, Clin. Psychol, Criminol, see 10th ed, Soc. & Behav. Vols.

SIMMONS, WALTER B., Fairview, Kans, Nov. 22, 11; m. 40; c. 3. MATHEMATICAL STATISTICS. A.B., Kansas, 34; M.A., 36; American Univ, 46-49. Instr. math. & econ, Kansas, 35-36; sr. statistician labor econ, Kans. State Bur. Employ. Security, 37-41; tech. adv. actuarial studies, U.S. Bur. Employ. Security, 41-42; reg. labor economist, War Manpower Cmn, 42-43; statist. consult, U.S. Bur. Labor Statist, 46-57; statist. adv, Nat. Health Surv, 57-62; ASST. DIR. NAT. CENTER HEALTH STATIST, D.C., 62- Adj. prof, American Univ, 49- U.S.N.R., 43-46, Lt. Fel. AAAS; fel. Pub. Health Assn; fel. Statist. Assn; Inst. Math. Statist. Mathematical statistics; sampling; survey design; statistical methodology, development and evaluation; teaching; health and labor statistics. Publ: The elements of an industrial classification policy, J. Am. Statist. Assn, 9/53; Measurement of industrial and commercial employment in the United States, Am. Statistician, 10/56; Sampling projects of the United States National Health Survey, Proc. Am. Statist. Assn, 58. Address: 711 Berry St, Falls Church, Va. 22042.

SIMMONS, DR. WILLIAM SCRANTON, b. Providence, R.I., Sept. 10, 38; m. 66; c. 1. ANTHROPOLOGY. A.B., Brown, 60, M.A., Harvard, 64, Ph.D.(anthropol), 67. Tutor ANTHROP, Harvard, 66-67; ASST. PROF. CALIFORNIA, BERKELEY, 67- Anthropol Assn. Early man archaeology in the American Arctic; archaeology and ethnohistory of New England Indians; religion, magic and witchcraft in West Africa. Publ: The social organization of the Badyaranké of Tonghia, Senegal, Société d'Anthropologie de l'Université de Paris, 68; The ancient graves of Conanicut Island, Newport Hist, 67; The supernatural world of the Badyaranké of Tonghia, Sénégal, Journal de la Société des Africanistes, 67. Address: Dept. of Anthropology, University of California, Berkeley, Calif. 94720.

SIMON, PROF. ABRAHAM J, Sociol, see 10th ed, Soc. & Behav. Vols.

SIMON, DR. ALEX J(OSEPH), b. Lafayette, La, May 22, 18; m. 42; c. 2. BUSINESS, ECONOMICS. B.B.A., Texas, 50, M.B.A., 56, Ph.D.(bus, econ), 62. Labor rels. rep, Ford Motor Co, Mo, 51-52; training mgr, Day & Zimmermann, Inc, Tex, 53-54; labor rels. mgr, Jonco Aircraft Corp, Okla, 54-55; asst. prof. bus, Oklahoma, 57-61; Southern California, 62-65; assoc. prof. mgt, Colorado, 65-68, asst. dean sch. bus, Denver Center, 65-68; DEAN COL. BUS. ADMIN, IDAHO STATE, 68- Nat. sr. v.comdr, Disabled Am. Vet, 52-53. U.S.A., 41-45, T/Sgt. Soc. Training & Develop; Soc. Personnel Admin; Acad. Mgt. Employee relations under a cooperative union-management contract; administrative behavior influenced by scientific employee relationships concepts; employee-labor-management; failures or successes of physically handicapped based on policies and procedures. Publ: Disability doesn't count if the outlook is healthy, Personnel, 3-4/63; co-auth, A new era in administrative leadership, Training Dir. J., 11/65; & Let's use the controller in contract negotiations, Mgt. Personnel Quart, spring 67. Address: College of Business Administration, Idaho State University, Pocatello, Idaho 83201.

SIMON, DR. BENJAMIN, Psychiat, Neurol, see 11th ed, Phys. & Biol. Vols.

SIMON, DR. CHARLES W(ARNER), b. Seaford, Del, Oct. 11, 22. PSYCHOLOGY. A.B., Pennsylvania, 43; M.A., Kent State, 46; Ph.D.(psychol), Ohio State, 52. Instr, Antioch, 47-48, dir. aviation psychol. res. proj, 48-50; from asst. to res. assoc, Ohio State, 50-52; res. psychologist, Rand Corp, 53-55; Hughes Aircraft Co, 55-65; sr. human factors scientist, Syst. Develop. Corp, 65-66; sr. tech. specialist human factors, Autonetics Div, N.Am. Aviation, Inc, 68-68; SR. TECH. STAFF ASST, HUGHES AIRCRAFT CO, 68- Asst. prof, San Fernando Valley State Col, 61-62. U.S.A., 43-45. Psychol. Assn; Human Factors Soc.(ed, Directory, 58, Bulletin, 58-59, exec. secy, 61-63, Jerome H. Ely Award, 67). Engineering psychology; sleep; experimental methodology and statistics. Publ: Some immediate effects of drowsiness and sleep on normal performance, Human Factors; EEG, consciousness and sleep, Science; Rapid acquisition of radar targets from moving and static displays, Human Factors, 6/65. Address: 749 S. Barrington Ave, Los Angeles, Calif. 90049.

SIMON, PROF. CLARENCE TURKLE, Psychol, Speech, see 10th ed, Soc. & Behav. Vols, deceased 67.

SIMON, DR. GEORGE B(ORIS), b. Boston, Mass, June 14, 14; m. 47; c. 2. EDUCATIONAL PSYCHOLOGY. A.B., Harvard, 35, scholar, 37-38, Ed.M., 39, Ed.D.(ed. res. & eval), 53. Res. asst, grad. record exam, Carnegie Found, 40-42; assoc. dir. & chief anal. & res. psychol. sect, Air Training Command Hq, 46-48; teacher, Calvin Coolidge Col, 48-49; chief tech. serv. Tech. Training Res. Lab, 49-51; tech. aide & chief spec. projs, Human Resources Res. Center, 51-53; tech. adv. & reviewer, training aids res. lab, Air Force Personnel & Training Res. Center, 53-54, chief job & training requirements, 54-56, qual. personnel requirements off, maintenance lab, 56-58; chief eng. psychol, Link Aviation, 58-61; life sci, Minneapolis-Honeywell Regulator Co, 61-62; prin. scientist psychol. & sr. tech. specialist human factors, Info. Sys. Div, N.Am. Aviation, Inc, 62-67; RES. EDUCATIONIST, DIR. ELEM. SCH. EVAL. SYSTS. & HEAD RES. SERV, CENTER STUDY OF EVAL. OF INSTRUCTIONAL PROGS, CALIFORNIA, LOS ANGELES, 67- Res. assoc, Ed. Res. Corp, 48-49. Consult, center study eval. of instructional progs, California, Los Angeles, 68-67. U.S.A.A.F., 42-46, Lt. Col. Psychol. Assn; Statist. Assn; Psychomet. Soc; Human Factors Soc; Aerospace Med. Assn; Nat. Coun. Measurement in Ed; Ed. Res. Assn. Educational evaluation systems; tests and measurements; educational and psychological research; criterion research; computers in education; data processing and information systems; human factors; personnel and training research; simulation. Publ: Records, analysis and test procedures; Procedure for obtaining six part scores from answer sheets, J. Appl. Psychol; Device and tests for measuring intellectual functions during acceleration. Address: 340 Via El Chico, Redondo Beach, Calif. 90277.

SIMON, PROF. HERBERT A(LEXANDER), b. Milwaukee, Wis, June 15, 16; m. 37; c. 3. SOCIAL SCIENCE. B.A., Chicago, 36, Ph.D.(polit. sci), 43, hon. LL.D., 64; hon. D.Sc., Yale, 63, Case, 63; hon. Ph.D., Lund, 68. Mem. staff & asst. ed, Pub. Mgt. & Municipal Year Book, Int. City Mgrs. Assn, 36-39; dir. admin. measurement studies, bur. pub. admin, California, 39-42; prof. polit. sci, Ill. Inst. Tech, 42-49, chmn. dept. polit. & soc. sci, 46-49; PROF. COMPUT. SCI. & PSYCHOL. GRAD. SCH. INDUST. ADMIN, CARNEGIE-MELLON, 49-, ASSOC. DEAN, 57-, head dept. indust. mgt, 49-59. William James lectr, Harvard, 63; Vanuxem lectr, Princeton, 61; Harris lectr, Northwestern, 67; Karl Compton lectr, Mass. Inst. Tech, 68. Dir. Soc. Sci. Res. Coun, 59-, chmn. bd, 61-66; dir, Nuclear Sci. & Eng. Corp, 59-64. Consult, Rand Corp, 60- Chmn. behav. sci. div, Nat. Res. Coun, 68-; mem, President's Sci. Adv. Cmt, 68- Nat. Acad. Sci; fel. AAAS; Polit. Sci. Assn; fel. Economet. Soc; Philos. Soc; fel. Sociol. Assn; fel. Psychol. Assn; fel. Am. Acad. Arts & Sci; Inst. Mgt. Sci. Organization theory; theory of decision-making and higher mental processes; mathematical social science. Publ: Models of man; co-auth, Organizations, Wiley, 58; auth, The shape of automation, Harper, 65. Address: 5818 Northumberland St, Pittsburgh, Pa. 15217.

SIMON, DR. J(ENNINGS) RICHARD, b. Marinette, Wis, Sept. 17, 29; m. 54; c. 2. PSYCHOLOGY. B.B.A., Wisconsin, 51, univ. fel, 52-53, M.S., 53, Knapp fel, 54-55, Ph.D.(psychol), 55. Fulbright res. scholar, Cambridge, 55-56;

assoc. res. scientist, Am. Inst. Res, Pa, 56-57; asst. prof. psychol. & assoc. dir, nurse utilization proj, IOWA, 57-60, asst. prof. psychol. & mech. eng, 60-62, ASSOC. PROF. PSYCHOL. & INDUST. & MGT. ENG, 62- Psychol. Asn; Psychonomic Soc; Int. Asn. Appl. Psychol; Soc. Eng. Ed. Human engineering; Industrial psychology; perceptual-motor skills; ergonomics; gerontology. Publ: Ear preference in a simple reaction-time task, 67 & Signal processing time as a function of aging, 68, J. Exp. Psychol; co-auth, Auditory S-R compatibility: the effect of an irrelevant cue on information processing, J. Appl. Psychol, 67. Address: Dept. of Psychology, University of Iowa, Iowa City, Iowa 52240.

SIMON, MARTIN S(TANLEY), b. St. Louis, Mo, Sept. 6, 26; m. 50; c. 2. ECONOMICS, STATISTICS. B.B.A., City Col. New York, 49; M.A., N.Y. Univ, 53. Agr. econ. statistician, agr. mkt. serv, U.S. Dept. Agr, 52-58; commodity analyst, CONNELL RICE & SUGAR CO, INC, 58-62, asst. to pres, 62-67, V.PRES, 67- Class of 1920 award, 49. U.S.A., 44-46. Econ. Asn. Commodity price research; econometrics; marketing. Publ: Soybeans; Forecasting potato prices, Am. Potato Yearbook; co-auth, The demand for textile fibers in the United States, Tech. Bull. 1301, U.S. Dept. Agr, 11/63. Address: 1003 Chimney Ridge Dr, Mountainside, N.J. 07092.

SIMON, DR. MATTHEW, b. New York, N.Y., May 7, 21; m. 47; c. 2. ECONOMICS, ECONOMIC HISTORY. B.A., Brooklyn Col, 40; M.A., Columbia, 41, Ph.D.(econ), 55. Economist, Davis & Gilbert, 41-43, 45-46; instr. econ, Assoc. Col. Upper N.Y., 46-47, asst. prof, 47-49; Pace Col, 50-56, assoc. prof, 60-61; economist, Continental Can Co, N.Y., 56-59; asst. prof. ECON, QUEENS COL.(N.Y.), 61-66, ASSOC. PROF, 66- Res. grants, Soc. Sci. Res. Coun, 63-64 & Coun. Res. Econ. Hist, 67; Ford Found. faculty res. fel. econ, 67-68. Consult. economist, Economist Intel. Unit, Ltd, N.Y., 60; pub. affairs serv, Gen. Elec. Co, 60- U.S.A., 43-45. Econ. Asn; Econ. Hist. Asn; Finance Asn. International capital movements and trade patterns and their determinants, characteristics and repercussions in the pre-1914 world economy. Publ: United States balance of payments 1861-1900, In: Trends in the American economy in the 19th century; co-auth, Some dimensions of the American commercial invasion of Europe, 1871-1914, J. Econ. Hist, 12/64; auth, The pattern of new British portfolio foreign investment, 1865-1914, In: Capital movements and economic development, 67. Address: 2505 Aqueduct Ave, Bronx, N.Y. 10468.

SIMON, DR. RALPH, b. Brooklyn, N.Y., Nov. 15, 22; m. 46; c. 4. PSYCHOLOGY. A.B., Brooklyn Col, 47; Ph.D.(psychol), Syracuse, 52. Chief clin. psychol. serv, Vet. Admin. Hosp, Butler, Pa, 51-55, staff psychologist, Perry Point, Md, 55-59; pub. health res. prog. analyst, NAT. INSTS. HEALTH, 59-60, chief anal. & eval. sect, 60-62, chief prog. anal. br, NAT. INST. MENT. HEALTH, 62-65, spec. asst. prog. planning, 65-67, CHIEF EXP. & SPEC. TRAINING BR, 67- AAAS; Psychol. Asn. Evaluation of training programs in health fields; geographic and occupational mobility trends of scientists in health disciplines; training of mental health personnel in allied professions and at non-professional levels. Address: National Institute of Mental Health, Chevy Chase, Md. 20203.

SIMON, DR. RITA JAMES, b. Brooklyn, N.Y., Nov. 26, 31; m. 61; c. 3. SOCIOLOGY. B.A., Wisconsin, 52; Cornell, 52-54; Ph.D.(sociol), Chicago, 57. Res. assoc. law & social, law sch, Chicago, 57-58, res. fel, 58-59, asst. prof. sociol, dept. sociol. & res. assoc. law, law sch, 59-61; res. assoc. sociol. & soc. work, sch. soc. work, Columbia, 61-63; ASSOC. PROF. SOCIOLOG. & ASSOC. RES. PROF. COMMUN, ILLINOIS, URBANA, 63- Vis. prof, grad. sch. nursing, Yale, 62-63; prin. investr, res. study proj, 65-66; Guggenheim fel, 66-67. Consult, nat. coun. legal clin. Am. Bar Found, 60-63. Sociol. Asn; Soc. Study Social Probs; Law & Society Asn. Sociology of law; mass phenomena; political sociology. Publ: Auth, The jury and the defense of insanity, Little, 67; ed, As we saw the thirties, Univ. Illinois, 67 & The sociology of law, Chandler Pub, 68. Address: Dept. of Sociology, Gregory Hall, University of Illinois, Urbana, Ill. 61801.

SIMON, DR. SHELDON W, b. St. Paul, Minn, Jan. 31, 37; m. 62; c. 1. POLITICAL SCIENCE. B.A., Minnesota, 58, Ph.D.(polit. sci), 64; Wilson fel, univ. fel. & M.A., Princeton, 60; fel, Grad. Inst. Int. Studies, Geneva, 62-63. Assoc. prof. lectr, George Washington, 65-66; ASST. PROF. POLIT. SCI. & FACULTY ASSOC, PATTERSON SCH. DIPLOMACY, KENTUCKY, 66- Res. assoc, Inst. Sino-Soviet Studies, George Washington, 67. Southeast Asia Develop. Adv. Group consult, Agency Int. Develop, 66- Polit. Sci. Asn; Int. Studies Asn. Application of international relations theory to the politics of South and East Asia, particularly China. Publ: The broken triangle: Peking, Djakarta, the PKI, Johns Hopkins, 68; The Asian states and the ILO: new problems in international consensus, J. Conflict Resolution, 3/66; The Kashmir dispute in Sino-Soviet perspective, Asian Surv, 3/67. Address: Dept. of Political Science, Kastle Hall, University of Kentucky, Lexington, Ky. 40506.

SIMON, PROF. SIDNEY (IRVING), b. New York, N.Y., Aug. 20, 11. ECONOMICS, LAW. B.S., N.Y. Univ, 32, J.D., 35, M.A., 47, Ph.D.(econ. ed), 50. Asst. prof. naval sci, Tufts Col, 46; instr. ECON, RUTGERS, 47-51, asst. prof, 51-57, assoc. prof, 57-62, PROF, 62- Practicing attorney, 35- Asst. ed, Am. Bus. Law J, 63- U.S.N.R., 42-46, 51-53, Capt. Acct. Asn. Relationship of accounting, law and economics. Publ: Insurance, general principles, Littlefield, 53; Business principles, organization and management, Gregg Pub, 63; Accounting and the law, Bur. Econ. Res, Rutgers, 65. Address: Dept. of Economics, Rutgers, The State University, New Brunswick, N.J. 08903.

SIMON, DR. WALTER B(ENNO), b. Frankfurt, Germany, July 4, 25; nat;m. 53; c. 1. CLINICAL PSYCHOLOGY. B.S.S., City Col. New York, 49; M.A., Clark, 51; Ph.D.(clin. psychol), Indiana, 55. Intern, Elgin State Hosp, Ill, 51-53; clin. psychologist, Vet. Admin. Hosp, Tomah, Wis, 55-58; CHIEF PSYCHOLOGIST, NORTHAMPTON STATE HOSP, 58- DIR. MENT. HEALTH CLIN, 68- Vis. lectr, Massachusetts, 58- U.S.A., 43-46. Psychol. Asn; Orthopsychiat. Asn. Social aspects of clinical psychology; theory of diagnosis. Publ: On reluctance to leave the public mental hospital, 5/65 & Helping transactions: classificatory and semantic considerations, 8/67, Psychiatry; The outpatient waiting list, Am. J. Psychother, 2/67. Address: 605 Station Rd, Amherst, Mass. 01002.

SIMON, DR. WERNER, Psychiat, see 11th ed, Phys. & Biol. Vols.

SIMONDS, PROF. ROLLIN H(HEAD), b. Albion, Wis, Jan. 9, 10; m. 36; c. 2. BUSINESS MANAGEMENT. B.S., Northwestern, 35, A.M., 36, Ph.D., 46. With Mandel Bros, 32-35; teacher, high sch. & jr. col, Ill, 35-49; assoc. prof. BUS. ADMIN, MICH. STATE, 49-51, PROF, 51-, chmn. dept. mgt. & finance, 53-58, chmn. acad. steering cmt, 60-64, acting chmn. dept. mgt, 65. Instr, Ill. Inst. Tech, 42-49; vis. prof, Arizona State, 68. Consult, Nat. Safety Coun, 46-49; Marshall Fields, 49- Mem. cmt, President's Conf. Occup. Safety, 54, 55; chmn, Indust. Safety Adv. Coun, Mich, 59, 60. Indust. Rels. Res. Asn; Inst. Mgt. Sci; Acad. Mgt. Publ: Co-auth, Safety management & Business administration: problems and functions. Address: Graduate School of Business Administration, Michigan State University, East Lansing, Mich. 48823.

SIMONE, DR. ALBERT JOSEPH, b. Boston, Mass, Dec. 16, 35; m. 59; c. 3. ECONOMICS, OPERATIONS RESEARCH. B.A., Tufts, 57; Ph.D.(econ), Mass. Inst. Tech, 62. Asst. prof. math. econ, Northeastern, 60-63; assoc. prof. quant. methods, Boston Col, 63-66, prof. quant. methods & dir. quant. mgt. prog, 66-68; CHMN. DEPT. QUANT. ANAL., CINCINNATI, 68- Lectr, Mass. Inst. Tech, Tufts, & Boston, 59-63. Consult, various indust. corp. & Commonwealth of Mass, 60- Mem. bd. econ. adv. Gov. Mass, 67- Inst. Mgt. Sci; Econ. Asn; Statist. Asn; Acad. Mgt; Economet. Soc; Opers. Res. Soc. Am. Application of mathematics, statistics and computers to problems arising in economics and business. Publ: Co-auth, Finite mathematics, with applications in the social and management sciences, 65 & Foundations of contemporary mathematics, with applications in the social and management sciences, 67, McGraw; auth, Probability: an introduction with applications, Allyn & Bacon, 67. Address: Dept. of Quantitative Analysis, University of Cincinnati, Cincinnati, Ohio 45221.

SIMONETT, PROF. DAVID S, Phys. Geog, see 11th ed, Phys. & Biol. Vols.

SIMONPIETRI, DR. ANDRE C, Earth Sci, see 11th ed, Phys. & Biol. Vols.

SIMONS, DR. HANS, Int. Rels, see 10th ed, Soc. & Behav. Vols.

SIMONS, DR. PETER LEON, b. Sydney, Australia, Jan. 19, 42; m. 65; c. 1. GEOGRAPHY. B.A., Sydney, 63, Ph.D.(geog), 68. Tutor & demonstrator GEOG, New South Wales, 67; ASST. PROF, McMASTER, 67- Mkt. Asn; Inst. Australian Geog. Marketing and urban geography. Publ: Sydney's wholesale district, Geog. Soc. New South Wales, 5/63. Address: Dept. of Geography, McMaster University, Hamilton, Ont, Can.

SIMONSON, EDGAR HENRY, Ed. Psychol, see 10th ed, Soc. & Behav. Vols.

SIMONSON, PROF. SOLOMON S, Rhet, Propaganda, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

SIMOONS, PROF. FREDERICK J(OHN), b. Philadelphia, Pa, Nov. 2, 22; m. 48. GEOGRAPHY. B.A., Rutgers, 49; Wisconsin, 49; Harvard, 49-50; M.A., California, 52, Ford Found. fel, 53-54; Heller scholar, 55-56, Ph.D.(geog), 56. Instr. GEOG, Ohio State, 56-57; asst. prof, Wisconsin, 57-60, assoc. prof, 60-63, PROF, 63-66; La. State, 66-67; TEXAS, AUSTIN, 67- Guggenheim fel, 63-64. U.S.A., 44-46, Sgt. Am. Geog. Soc; Asn. Am. Geog; African Studies Asn. Cultural geography; geography of Northeast Africa and South Asia. Publ: Northwest Ethiopia: peoples and economy; Eat not this flesh: food avoidances in the Old World; A ceremonial ox of India, Univ. Wisconsin, 68. Address: Dept. of Geography, University of Texas, Austin, Tex. 78712.

SIMOS, DR. IRVING, b. St. Paul, Minn, Aug. 14, 22; m. 52; c. 2. CLINICAL PSYCHOLOGY. B.A., Minnesota, 43, M.A., 44, Ph.D.(clin. psychol), 50. Asst. prof. psychol, Nebraska, 49-55; staff psychologist, Vet. Admin. Hosp, Perry Point, Md, 55-57; exec. secy. small grants, Nat. Inst. Ment. Health, 57-59, psychopharmacol. study sect, Nat. Insts. Health, 59-67, CHIEF GRANTS REFERRAL & REV. BR, NAT. INST. MENT. HEALTH, 67- Dipl. Am. Bd. Exam. Prinl. Psychol, 56. U.S.A., 44-46. AAAS; Psychol. Asn. Psychopharmacology; psychodiagnostics; psychotherapy. Address: Grants Referral & Review Branch, National Institute of Mental Health, Chevy Chase, Md. 20203.

SIMPKINS, DR. O(ZZIE) NORMAN, b. East Lynn, W.Va, Feb. 2, 18; m. 43; c. 2. SOCIOLOGY. A.B., Marshall Col, 47, M.A., 48; fel, North Carolina, 52-53, Ph.D.(sociol), 53. Instr. SOCIOLOG, Bowling Green State, 53-57; assoc. prof, North Carolina, 57-60; PROF, MARSHALL, 60-, CHMN. DEPT. SOCIOLOG. & ANTHROPO, 66- U.S.A., 42-45. Sociol. Asn; Anthropol. Asn; Soc. Appl. Anthropol. Magic in modern society. Address: Dept. of Sociology & Anthropology, Marshall University, Huntington, W.Va. 25703.

SIMPSON, ELIZABETH T(URK), b. Brooklyn, N.Y., Nov. 29, 13. ECONOMICS. A.B., Barnard Col, 35; A.M., George Washington, 40. RES. ASST, NAT. BUR. ECON. RES, 41- Corporate bonds. Publ: Record of offerings of corporate bonds, 1900-38; Pension funds of nonprofit organizations in old age income assurance, part V, Joint Econ. Cmt, 12/67. Address: 2510 Clarendon Rd, Brooklyn, N.Y. 11226.

SIMPSON, DR. FLOYD R(OBERT), b. Quincy, Ill, May 26, 06; m. 41; c. 3. ECONOMICS. B.A., Minnesota, 33, M.A., 38, Ph.D.(econ), 43. Asst. prof. econ, Washington (Seattle), 43-45, assoc. prof, 45-48; prof, Carleton Col, 48; PROF. ECON, CALIF. STATE COL. LOS ANGELES, 49-, DEAN SCH. BUS. & ECON, 64-, chmn. div. bus. & econ, 49-64, dean grad. studies, 61-64. AAAS; Econ. Asn; Finance Asn; Acad. Mgt. Money and banking; public utility regulation. Publ: Cost trends in the telephone industry & Public utility refunds, J. Land & Pub. Utility Econ; Impact of the war on the transit industry, Harvard Bus. Rev. Address: School of Business & Economics, California State College at Los Angeles, Los Angeles, Calif. 90032.

SIMPSON, PROF. F(RANCIS) M(ARION), b. Vienna, Ill, Apr. 28, 87; m. 15; c. 3. MARKETING. B.S., Illinois, 09. Instr. mkt. livestock & meats, Illinois, 11-14; asst. chief livestock & meats div, bur. mkt. & U.S. Dept. Agr, 14-18; asst. mgr, Am. Livestock & Loan Co, Am. Cattle Co. & Am. Cmn.

- Co, Colo, 18-20; asst. mgr, livestock dept, Ill. Agr. Asn, 20-22; gen. mgr, Nat. Livestock Producers Asn, 22-25; asst. mgr. commercial res. dept, Swift & Co, 25-30, mgr. agr. res. dept, 30-52; prof. AGR. ECON. & agr. economist, CLEMSON, 52-67, EMER. PROF, 67- Econ. Asn. Publ: Market grades of slaughter steers, Clemson Agr. Col. Bull. Address: Dept. of Agricultural Economics, Clemson University, Clemson, S.C. 29631.
- SIMPSON, PROF. GEORGE**, b. Brooklyn, N.Y., Mar. 3, 08. SOCIOLOGY, ECONOMICS. A.B., Cornell, 31; A.M., Columbia, 32, Ph.D., 37. Instr. soc. sci., Queens Col.(N.Y.), 40-43; econ. analyst, War Prod. Bd, 43-46; asst. prof., Sampson Col, 46-48; lectr. econ. sociol. & soc. philos., City Col. New York, 48-52; asst. prof. sociol. & anthropol., BROOKLYN COL, 52-58, assoc. prof., 58-64. PROF. SOCIOL, 64- Vis. prof., Leiden, 58-59; lectr., Copenhagen, 59; Oxford, Leiden, Utrecht, Groningen & Wageningen, 62; vis. prof., Leicester, 62; Vermont, 63; Simon Fraser, 65; Oregon, 65; California, 65, 66; Chicago, Israel Inst. Soc. Res., Wageningen, Leiden, Inst. Soc. Studies, Netherlands & Dickinson Col, 66; Springfield Col, 67. Sociol. Asn; Soc. Study Social Probs. Suicide; conflict and community; division of labor in society; social philosophy. Publ: Sociologist abroad; Basic statistics; Emile Durkheim, Crowell, 63. Address: 440 Homestead Ave, Mt. Vernon, N.Y. 10553.
- SIMPSON, PROF. GEORGE E(ATON)**, b. Knoxville, Iowa, Oct. 4, 04; m. 30; c. 4. SOCIOLOGY, ANTHROPOLOGY. B.S., Coe Col, 26; scholar, Missouri, 26-27, M.A., 27; summers, Chicago, 27-28; Ph.D.(sociol.), Pennsylvania, 34. From instr. to asst. prof. SOCIOL. & ANTHROP., Temple, 28-39; from assoc. prof. to PROF. & HEAD DEPT., Pa. State, 39-47; OBERLIN COL, 47- Soc. Sci. Res. Coun. fel., Northwestern, 36-37; vis. lectr., Soc. Welfare Training Course, B.W.I., 46; Am. Philos. Soc. grant, 53; fel. law sch., Wisconsin, summer 59; Nat. Inst. Ment. Health grant, 60; res. grants, joint cmt. African studies, Soc. Sci. Res. Coun.-Am. Coun. Learned Soci., Nat. Inst. Ment. Health & Am. Philos. Soc., 64; vis. lectr., Nat. Sci. Found.-Am. Anthropol. Asn, 66-67. Mem. panel postdoctoral fels. behav. sci., Nat. Sci. Found., 66. Anisfield Wolf award, 58. Sociol. Asn; fel. Anthropol. Asn; Archaeol. Inst; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland (Wellcome Medal, 57); fel. African Studies Asn. Ethnological study of peasants in northern Haiti; acculturation in Jamaica; race relations; religious cults in Trinidad. Publ: Co-auth. Racial and cultural minorities, Harper, 3rd ed, 65; auth. The Shango cult in Trinidad, Inst. Caribbean Studies, Univ. Puerto Rico, 65; Selected Yoruba rituals: 1964, Nigerian J. Soc. & Econ. Studies, 11/65. Address: Dept. of Sociology & Anthropology, Oberlin College, Oberlin, Ohio 44074.
- SIMPSON, DR. IDA HARPER**, b. Pansey, Ala, June 9, 28; m. 55. SOCIOLOGY. A.B., Alabama, 49, M.A., 51; Ph.D.(sociol.), North Carolina, 56. Instr. SOCIOL., Col. William & Mary, 54-55; Pa. State, 56-57; sch. nursing, Illinois, 57-58; res. assoc., DUKE, 58-60, ASST. PROF, 60- Sociol. Asn. Social stratification; sociology of occupations. Publ: Co-auth. Social aspects of aging, Duke, 66, Psychiatric attendant: development of an occupational self-image in a low-status occupation & Correlates and estimation of occupational prestige. Address: Dept. of Sociology, Duke University, Durham, N.C. 27706.
- SIMPSON, DR. JAMES E(LLIOTT)**, b. Spokane, Wash, Dec. 21, 13; m. 54; c. 1. PSYCHOLOGY. A.B., California, 37, M.A., 40, fel., 40-43; Ph.D., Kansas, 57. Prod. engr., Henry J. Kaiser Corp, 41-45; assoc. prof. psychol., Chico State Col, 45-46; head dept., Willamette, 46-47; instr. & res. assoc., Kansas, 47-49; asst. prof., Fresno State Col, 49-51; clin. psychologist, Kans. Boys Indust. Sch., 51-52; res. assoc., Midwest psychol. field sta., Kansas, 52-54; res. psychologist, Menninger Found., 54-57; ASSOC. PROF. PSYCHOL., OREGON STATE, 57- Psychol. Asn. Asst., California, 40-43. Learning theory; psychological ecology; perceptual and personality development. Publ: Social weather of children, In: Stream of behavior; Influence of auditory stimulation on aniseikonic perception, a preliminary study & Influence of auditory stimulations on aniseikonic perception, Terminal study, J. Psychol., Address: Dept. of Psychology, Oregon State University, Corvallis, Ore. 97331.
- SIMPSON, PROF. JAMES HARKINS, JR.**, b. Caledonia, Miss, Oct. 21, 31; m. 56; c. 3. AGRICULTURAL ECONOMICS. B.S., Miss. State, 53; M.S., Va. Polytech, 58; Okla. State, 61-64. Farm mgt. specialist, Va. Agr. Exten. Serv., 57-58; asst. prof. AGR. ECON., Miss. State, 58-61; instr., Okla. State, 61-64; ASSOC. PROF., MISS. STATE, 64- U.S.A. 53-55, Res., 55-65, Capt. Agr. Econ. Asn; Soc. Farm Mgr. & Rural Appraisers. Farm management and agricultural finance, especially land values and appraisal. Publ: Co-auth. How much for feeder pigs, Bull. 603, 61, Economic evaluation of manufacturing milk, Bull. 613, 62 & Budgets for major farm enterprises, M.R. 30, 62, Miss. Agr. Exp. Sta. Address: P.O. Box 556, Mississippi State University, State College, Miss. 39762.
- SIMPSON, JAMES RANDOLPH**, b. Johnstown, Pa, July 24, 20; m. 48; c. 2. ECONOMICS. A.B., Princeton, 41; Chicago, 42; M.A., Harvard, 49. Mgr. logistics res., U.S. Navy Supply Res. & Develop. Facility, N.J., 52-56, bur. supplies & acct., U.S. Navy Dept, 56-63, RES. MGR. OPERS. RES., OFF. NAVAL RES, 63- Mgr. fleet antisubmarine warfare data anal. prog., Off. Naval Res, sci. officer, proj. methodology opers. res. U.S.N., 42-46, Lt. (jg). Econ. Asn; Economet. Soc; Inst. Mgt. Sci.; Opers. Res. Soc. Mathematical decision theory; Bayesian models. Publ: Formula for decisions on retention or disposal of excess stock, Naval Res. Logistics Quart, 9/55. Address: 5025 Tilden St. N.W., Washington, D.C. 20016.
- SIMPSON, PROF. JOHN W(ILLIAM)**, b. Ohio, Sept. 9, 06; m. 35; c. 1. ECONOMICS. A.B., Ohio State, 27, A.M., 35, Ph.D.(econ), 49; Chicago, 39. Instr. ECON., Ohio State, 45-46, Purdue, 46-48, Ohio Wesleyan, 46, PROF., EASTERN MICHIGAN, 48- Econ. Asn; Economet. Soc. International economics; money and banking; public finance. Publ: American industry in Canada; Mexican balance of payments, 1900-1948. Address: 1110 Sherman St, Ypsilanti, Mich. 48197.
- SIMPSON, DR. JON E(ATON)**, b. Philadelphia, Pa, Nov. 18, 32; m. 56; c. 3. SOCIOLOGY. B.A., Ohio Wesleyan, 54; M.A., Ohio State, 58, Ph.D.(sociol.), 61. Instr. SOCIOL., Ohio Wesleyan, 60-61; asst. prof., SOUTHERN CALIFORNIA, 61-65, ASSOC. PROF, 65- Faculty res. assoc., pop. res. lab., Southern California, 62-; res. grants, Nat. Inst. Ment. Health, 62-67, training grant, 65-70; fel. law & sociol., Harvard Law Sch, 67-68. U.S.A.F., 54-56, Capt. Sociol. Asn; Soc. Study Social Probs; Law & Society Asn. Criminology; juvenile delinquency; sociology of law; self-concepts of delinquents; institutional impact; records linkage; white-collar offenses; public definition of and reaction to deviant behavior. Publ: Co-auth. Social problems, Holt, 65; Institutionalization as perceived by the juvenile offender, Sociol. & Soc. Res, 63; Residential history and educational status of delinquents and non-delinquents, Soc. Probs, 67. Address: Dept. of Sociology, University of Southern California, Los Angeles, Calif. 90007.
- SIMPSON, PROF. PAUL B(YRON)**, b. Corvallis, Ore, June 19, 14. ECONOMIC STATISTICS. A.B., Reed Col, 36; Ph.D., Cornell, 48. Economist, Fed. Reserve Bd, D.C., 40-43, 53-55; instr. math, Reed Col, 46, ECON, 46; teaching assoc., Cornell, 46-47; acting asst. prof., Stanford, 47-49; assoc. prof. OREGON, 49-53, PROF, 55- Soc. Sci. Res. Coun. faculty res. fel. U.S.N.R., 43-46, Lt. Statist. Asn; Econ. Asn; Economet. Soc. Economy of the Pacific Northwest; revision in the index of industrial production; neo-classical economics and monetary problems. Address: Dept. of Economics, University of Oregon, Eugene, Ore. 97403.
- SIMPSON, PROF. RAY HAMILL**, b. Indiana, Pa, Sept. 2, 07; m. 35; c. 6. PSYCHOLOGY. B.S., Pa. State Teachers Col, 30; M.S., Columbia, 34, Ph.D. (ed. psychol.), 38. Teacher, schs, Pa., 25-26, 30-34; lectr. psychol., Barnard Col, Columbia, 34-36, instr., 36-39; asst. prof., Alabama, 39-42, prof., 46-47; from assoc. prof. psychol. to PROF. ED., PSYCHOL., ILLINOIS, URBANA, 47- Oral exam, State Welfare Dept, Ala., 41. Consult. mem., Submt. Improv. of Instr. of Am. Cols. & Teacher Ed, 58- U.S.A., 42-46, Capt. AAAS; Psychol. Asn. Goals and methods in education; interpersonal and group relations. Publ: Improving teaching-learning processes; co-auth. Educational psychology; auth. Teacher self-evaluation, Macmillan, 66. Address: 328 Education Bldg, University of Illinois, Urbana, Ill. 61820.
- SIMPSON, DR. RAY MARS**, Indust. Psychol, see 10th ed, Soc. & Behav. Vols.
- SIMPSON, PROF. RICHARD L(EE)**, b. Washington, D.C., Feb. 2, 29; m. 55. SOCIOLOGY. A.B., North Carolina, 50, Ph.D.(sociol.), 56; M.A., Cornell, 52. Instr. SOCIOL., Pa. State, 56-57; asst. prof., Northwestern, 57-58; NORTH CAROLINA, CHAPEL HILL, 58-61, assoc. prof., 61-65, PROF, 65- Consult. ed, C.E. Merrill Books, Inc, 67- Mem. hist. adv. cmt., NASA, 64. Sociol. Asn; Soc. Study Social Probs. Social organization; sociology of occupations and professions; complex organizations. Publ: Attendants in American mental hospitals; co-ed. & contrib. Social organization and behavior, Wiley, 64; auth. Sociology of the community; current status and prospects, Rural Sociol, 65. Address: Dept. of Sociology, University of North Carolina, Chapel Hill, N.C. 27514.
- SIMPSON, DR. ROBERT B(ONEBRAKE)**, b. Grand Forks, N.Dak., Nov. 8, 10; m. 42; c. 3. GEOGRAPHY. B.A., North Dakota, 31; M.A., Clark, 33, fel., 34-35, Ph.D., 41. Instr. geog., North Dakota & Rochester, 35-41; sect. chief mil. intel. serv., Gen. Staff, U.S. Dept. Army, 41-42, dep. asst. chief staff, intel., U.S. Army Forces, S. Atlantic, 42-45, asst. mil. attache, Am. Embassy, Rio de Janeiro, Brazil, 45-46, army secy. cmt. geophys. & geog. res. & develop. bd, Off. Secy. Defense, 47-50, head mil. geog. specialist team, Off. Army Attache, Madrid, Spain, 50-53, resident mem. engr. developments, bd, Off. Chief Engrs, Ft. Belvoir, Va., 53-56, asst. chief mil. plans div., D.C., 56-59, dir. security, Strategic Army Corps Logistics Command, Ft. Bragg, N.C., 59-61; systs. engr., Autometric Corp, 61-63, asst. mgr. mkt. Raytheon/Autometric, 63-65; ASSOC. PROF. GEOG., DARTMOUTH COL, 65- U.S. Geol. Surv. res. grant, 68- U.S.A., 41-61, Col. Fel. Am. Geog. Soc; Asn. Am. Geog. Soc. Mil. Eng; Soc. Photogram. Utilization of imagery from satellites and aircraft for geographic research, especially as to global settlement patterns. Publ: Studies in geography of population change, Canadaigua Lake Region, New York; Radar, geographic tool, Ann. Asn. Am. Geog., 66. Address: Dept. of Geography, Dartmouth College, Hanover, N.H. 03755.
- SIMPSON, ROBERT E(DWARD)**, b. Chicago, Ill, July 7, 17; m. 54. ECONOMICICS. A.B., Amherst Col, 38; M.A., George Washington, 65. Jr. economist, Nat. Resources Planning Bd, 39-40; field off. mgr., Off. Secy. War, 40-41; asst. economist, War Prod. Bd, 41-42; economist, Civilian Prod. Admin., 46; liaison officer, Nat. Housing Admin., 46-47; asst. dir. European div., Off. Int. Trade, U.S. DEPT. COMMERCE, 47-50, dep. asst. dir. off. int. trade, 50-52, DIR. off. econ. affairs, bur. for. commerce, 53-60, OFF. INT. REGIONAL ECON., BUR. INT. COMMERCE, 61- Nat. War Col, 61-62. U.S.N.R., 42-46, Comdr. Econ. Asn. International trade; economic development. Address: 10317 Riverwood Dr, Rockville, Md. 20854.
- SIMPSON, R(OBERT) SMITH**, b. Arlington Co, Va, Nov. 9, 06; m. 34; c. 2. POLITICAL SCIENCE. B.S., Virginia, 27, Mason fel., 27-28, M.S., 28; Western Reserve, 28-29; LL.B., Cornell, 31; univ. fel., Columbia, 31-32, Soc. Sci. Res. Coun. fel., 32-33. Asst. to Prof. James T. Shotwell, Columbia, 32-33; spec. labor adv., Nat. Recovery Admin, 33, jr. exec., 33-34; exec., Asphalt Shingle & Roofing Inst. & Code Authority, 34-35; instr. bus. law, Wharton Sch. Finance & Commerce, Pennsylvania, 35-38, asst. prof., 38-42; asst. dir. for. div. recruitment & manning orgn., War Shipping Admin, 42-43; prin. div. asst., polit. studies div., U.S. Dept. State, 43-44, chief int. labor orgn., 44-45; labor attache, U.S. Embassy, Brussels, Belgium, 45-47, first secy. & consul, Athens, Greece, 47-49, Mexico City, Mex., 49-52, consul, Bombay, India, 52-54, consul gen., Lourenco Marques, Mozambique, 54-57; adv. African affairs, U.S. Dept. Labor, 58-61; mem. Joint Bd. For. Serv. Exam, U.S. Dept. State, 61-62; RES. & WRITING, 62- Consult. U.S. Dept. State, 65-66. Co-drafter, State Unemploy. Compensation Act, Pa, 36; exam. State Civil Serv. Cmn., N.J., 39. Adv. State Dept. Labor & Indust., Pa, 35-36; unemploy. compensation, Governor's Cmn. Unemploy. Relief & Assistance, 36; Joint State Govt. Cmn., Gen. Assembly, Pa, 40-41. Del. U.S. Govt. Inter-Am. Conf. Soc. Security, Mexico City, 52; adv. U.S. Govt. del. Int. Labor Conf., Geneva, 59. Meritorious serv. award, U.S. Govt, 61. Polit. Sci. Asn; Am. Soc. Int. Law. International relations; diplomacy; United States foreign policy. Publ: Co-auth. War and postwar social security & Culture and communication; auth,

Anatomy of the State Department, Houghton, 67. Address: 4124 Downing St, Annandale, Va. 22003.

SIMPSON, DR. R(OY) G(EARY), Psychol, see 10th ed, Soc. & Behav. Vols.

SIMPSON, RUTH D(ETTE), b. Los Angeles, Calif, May 6, 18. ANTHROPOLOGY, ARCHAEOLOGY. B.A. Southern California, 41, M.A. 44. Curator, Heard Mus, Ariz, 44-46; assoc. curator, Southwest Mus, Calif, 46-64; COUNTY ARCHAEOLOGIST, SAN BERNARDINO COUNTY MUS, 64- Nat. Geog. Soc. res. grant. AAAS; Anthropol. Asn; Soc. Am. Archaeol. Pleistocene human occupation of North America; relationship of early cultures of California desert and coastal areas; relationship of early human material with extinct vertebrate fauna and with geological and climatological changes. Publ: Co-auth, Tule Springs, Southwest Mus. Paper, 61. Address: 840 Fairfield Circle, Pasadena, Calif. 91106.

SIMPSON, DR. T(HOMAS) McN(IDER), III, U.S. citizen. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A. Randolph-Macon Col, 49; M.A. Chicago, 56; Ph.D.(polit. sci), Hopkins, 65. Actuary, Bowles, Andrews & Towne, 49-52; instr. philos. Randolph-Macon Col, 56-58; asst. prof. POLIT. SCI. Converse Col, 61-65; TENNESSEE, 65-67, ASSOC. PROF, 67- U.S.N. 45-46. Polit. Sci. Asn. Public economic policy; resource development; Tennessee state and local government. Address: Dept. of Political Science, University of Tennessee, Knoxville, Tenn. 37919.

SIMPSON, DR. WILLIAM H(AROLD), b. Louisville, Ky, Dec. 9, 24; m. 3. PSYCHOLOGY. B.S. Louisville, 49; Ph.D. Oklahoma, 58. Staff psychologist, Oklahoma City pub. schs, Okla, 52-57, coordinator child guid, 57-58, chief psychologist, 58-59; clin. psychologist, MOBILE MENT. HEALTH CENTER, 59-60, adminstr, 60-66, DIR, 66- Lectr, Cent. State Col.(Okla), 57-59; Mobile exten, Alabama, 59-64, South Alabama, 64- U.S.A. 44-46. AAAS; Psychol. Asn; Asn. Ment. Deficiency. Studies of psychometrics, primarily utilization and response patterns. Publ: Effects of verbal reward and punishment on picture selection of the Szondi test; Short form of the Wechsler intelligence scale of children. Address: 1255 W. Lake Circle Dr, Mobile, Ala. 36609.

SIMPSON, PROF. WILLIAM HAYS, b. Madison Run, Va, Nov. 24, 03; m. 30; c. 1. POLITICS. A.B. Tusculum Col, 26; M.A. Duke, 28, fel, 28-29, Ph.D. 35. Teaching asst. POLIT. SCI, DUKE, 29-30, instr, 30-42, asst. prof, 42-48, assoc. prof, 48-67, PROF, 67- Res. grants, Russell Sage Found, 40; Am. Philos. Soc, 62, 67. Secy, Small Loan Cmn. N.C. 43. Polit. Sci. Asn. Politics; consumer credit; textile industry. Publ: Workmen's compensation in South Carolina, David, 49; America's small loan problem, Exten. Div, 63 & Some aspects of America's textile industry, Div. Gen. Studies, 66, Univ. South Carolina. Address: Dept. of Political Science, Duke University, Durham, N.C. 27706.

SIMRALL, DR. DOROTHY VAN WINKLE, b. Morris, Ill, Dec. 20, 17. PSYCHOLOGY. A.B. Grinnell Col, 40; M.A. North Carolina, 42; Ph.D.(psychol), Illinois, 46. Instr. gen. & exp. psychol, Mt. Holyoke Col, 45-47; asst. prof. statist. & psychol. testing, Tulane, 47-51; Albion Col, 51-57; gen. psychol, Drake, 57-60; ASSOC. PROF. PSYCHOL, Northeast Mo. State Col, 60-65, ST. BONAVENTURE, 65- Psychologist, Ill. Dept. Ment. Health, 64-65. Psychol. Asn. Psychological tests, statistics and measurement. Publ: Effects of practice on the factorial equations for visual spatial and perceptual tests; Correlation of sums and differences; Effects of practice on coefficients of discrimination. Address: P.O. Box 22, St. Bonaventure, N.Y. 14778.

SIMS, ALBERT G(LADSTONE), b. North Adams, Mass, Aug. 20, 17; m. 41; c. 4. ECONOMICS. B.A. Mich. State, 38; fel, Syracuse, 38-40. Mgt. analyst, Soc. Security Bd, 40-41; exec. asst. to v.chmn. manpower requirements, War Prod. Bd, 41-43; dep. control officer, U.S. Mil. Govt, Germany, 47-49; dep. dir. admin. off, U.S. High Cmnr. for Germany, 49-50; from dep. dir. German affairs to acting dep. adminstr, Int. Info. Admin, 50-53; V.PRES, Inst. Int. ed, 53-65; COL. ENTRANCE EXAM. BD, 65- Contrib. ed. Int. ed, J. Higher Ed, 63- Dir. univ. rels, Peace Corps, 61. Mem. Coun. For. Rel, 55-; chmn. Nat. Liaison Cmt. on For. Student Admissions, 65-Sig.C. 43-46, Lt. Polit. Sci. Asn; Nat. Asn. For. Student Affairs(pres, 67-68). International affairs; public administration. Address: 50 Hidden Brook Rd, Riverside, Conn. 06878.

SIMS, DR. NEIL B(ARTON), b. Lake Wales, Fla, Jan. 11, 25; m. 52; c. 2. PSYCHOLOGY. B.A. Florida, 47; Michigan, 47-48; M.S. Purdue, 51, Ph.D. (psychol), 53. Dir. Hillsborough County Guid. Center, Fla, 53-54; staff psychologist, Vet. Admin. Hosp, Long Beach, Calif, 54-55; chief clin. psychol. sect, Vet. Admin. Hosp, Birmingham, Ala, 55-61; CHIEF PSYCHOL. SERV, VET. ADMIN. HOSP, OTEEN, N.C. 61- U.S.N.R. 43-46; Med.Serv.C. U.S.A.R. 61-, Capt. Psychol. Asn. Diagnosis and evaluation of behavior disorders; behavior modification; counseling; regarding physical and mental disabilities. Publ: Problems of psychotherapy and counseling in VA hospitals with psychology staffs of limited size, Vet. Admin. Dept. Med. & Surg. Prof. Serv. Letter 64-45, 7/64; co-auth, Correlation between WAIS IQ's and 16 PFB factor scores of general hospital patients, Newsletter Res. Psychol, 8: 10-11. Address: 29 Macon Ave, Asheville, N.C. 28801.

SIMSARIAN, DR. JAMES, b. Union City, N.J, May 19, 07. INTERNATIONAL LAW. A.B. California, 30; A.M. Columbia, 34, LL.B. 37, Gilder fel, 37-38, Ph.D. 39. Attorney, U.S. Housing Authority, 38-41; chief counsel rent dept, Of. Price Admin, 41-45; CHIEF DIV. INT. SCI. & TECH. ORGN. AFFAIRS, U.S. DEPT. STATE, 45- Prof. lectr, American Univ, 65- Mem. U.S. dels, UN Gen. Assembly; UN Cmn. Human Rights; exec. bd. & gen. conf, UNESCO; UN Cmt. Peaceful Uses Outer Space; Intergovt. Oceanog. Cmn; cong. & exec. cmt, World Meteorol. Orgn; admin. coun, Int. Telecommun. Union. Soc. Int. Law; Polit. Sci. Asn; Bar Asn. International organizations and relations. Publ: Diversion of international waters; Outerspace cooperation in the United Nations, 10/63 & Inspection experience under the Antarctic Treaty and the International Atomic Energy Agency, 7/66, Am. J. Int. Law. Address: 20 Magnolia Pkwy, Chevy Chase, Md. 20015.

SIMPSON, DR. EDUARD, b. Viljandi, Estonia, July 29, 20; nat; c. 1. CLINICAL PSYCHOLOGY. B.A. Stanford, 51; M.A. N.Y. Univ, 52; M.Psy, Louisville, 53; Ph.D.(psychol, psychiat), Heidelberg, 56; dipl, Center Training Community Psychiat. & Ment. Health Admin, Berkeley, Calif, 67. Clin. psychologist, Territorial Dept. Health, Alaska, 56-58; fel. child clin. psychol, Devereux Found, Pa, 58-59; chief psychologist, Hunterdon Med. Center, N.J, 59-63; PSYCHOLOGIST, SAN QUENTIN PRISON, 63-; CHIEF CLIN. PSYCHOLOGIST, MONTEREY COUNTY PSYCHIAT. CLIN. & DEPT. HEALTH, 67- Private practice, 58-; psychol. exam, State Bd. Ed, N.J, 59-; referral psychologist, N.J. State Bd. Child Welfare, 60-; psychol. exam, State Rehab. Cmn, N.J, 61-; vis. lectr, Hawaii, 65; U.S. Pub. Health Serv. grantee, sch. pub. health, California, Berkeley, 65-66. Estonian Army, 39-44, Lt. Am. Psychol. Asn; Am. Group Psychother. Asn; Soc. Clin. & Exp. Hypnosis; N.Y. Acad. Sci; fel. Int. Coun. Psychol; German Psychol. Asn; Soc. German Prfnl. Psychol. Childrens apperception test; psychotherapy; community psychiatry. Publ: Vergleich von CAT und einer inhaltsanalogen Mensch-Bildserie, J. Diagnostica; Mental health and mental illness, In: Home and child; Der CAT-Z, eine standardisierte Testkombination, In: Praxis der Kinderpsychologie und Kinderpsychiatrie. Address: Box 2196, Monterey, Calif. 93940.

SINAI, PROF. ALLEN L, b. Detroit, Mich, Apr. 4, 39; m. 63; c. 1. ECONOMICS, STATISTICS. B.A. Michigan, 61; M.A. Northwestern, 66, Ph.D.(econ), 68. Instr. ECON, Northwestern, 64-65; Lake Forest Col, 65; ASST. PROF, ILLINOIS, CHICAGO, 66- Tech. assoc. Booz-Allen Appl. Res, 67. Econ. Asn; Economet. Soc; Statist. Asn. Theory of plant and equipment expenditures; distributed lags in economics; optimization in economics. Address: College of Business Administration, University of Illinois Circle Campus, Box 4348, Chicago, Ill. 60680.

SINAI, I. R(OBERT), b. Lithuania, Oct. 10, 24; m. 46; c. 1. INTERNATIONAL RELATIONS. Ed. & officer, Histadrut Trade Union Fedn, 52-61; info. officer, Israel For. Off, 62-63; lectr. polit. sci. & hist, New Sch. Soc. Res, 63-65; Rockefeller grant, 65-66; VIS. RES. ASSOC. PROF. POLIT. SCI. & HIST, LONG ISLAND, 66- Rep. of Israel Labour Party, Secretariat Asian Socialist Conf, Rangoon, 55-57. Cultural history; problems of social change and modernization; comparative government. Publ: The challenge of modernization, Norton, 64; In search of the modern world, New Am. Library, 67; Apartheid en Afrique du Sud, Los Temps Modernes, 7/50. Address: 677 West End Ave, New York, N.Y. 10025.

SINAIKO, DR. H(ENRY) WALLACE, b. Minneapolis, Minn, Sept. 12, 24; m. 46; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A. Minnesota, 46, M.A. 47; Ph.D. (psychol), N.Y. Univ, 54. Res. assoc. col. eng, N.Y. Univ, 49-52; res. psychologist, U.S. Naval Res. Lab, 52-57; res. asst. prof. psychol, coordinated sci. lab, Illinois, 57-60; mem. tech. staff, Radio Corp. Am, Wash, D.C. 61-62; Inst. Defense Anal, 62-67; liaison scientist London br, U.S. Off. Naval Res, 67-68; MEM. TECH. STAFF, INST. DEFENSE ANAL, 68- Research Soc; fel. Psychol. Asn; Human Factors Soc. Engineering psychology; evaluation of man-machine systems; relationship of human and automatic elements in computerized systems; human communications. Publ: Human factors in the design and use of control systems, Dover, 61; co-auth, The indelicate experiment, Sparta, 65. Address: 2216 Glasgow Rd, Alexandria, Va. 22307.

SINCLAIR, PROF. JOSEPH T(REBLE), b. Detroit, Mich, May 17, 15; m. 38; c. 4. GEOGRAPHY. A.B. Michigan, 37, Ph.D.(geog), 59; M.A. Columbia, 44. Asst. prof. GEOG, EASTERN MICHIGAN, 57-64, assoc. prof, 61-67, PROF, 67- Mem, Int. Geog. Union, U.S.N. 43-46, Lt. AAAS; Asn. Am. Geog; Am. Geog. Soc; Nat. Coun. Geog. Ed. Cultural and economic geography of Latin America; world economic geography. Address: Dept. of Geography, Eastern Michigan University, Ypsilanti, Mich. 48197.

SINCLAIR, MARTIN H, b. Montreal, Que, Mar. 13, 24; m. 47; c. 3. URBAN GEOGRAPHY. B.Sc, McGill, 49, M.A. 54. HEAD DIV. RES. & SPEC. STUDIES, COMMUNITY PLANNING BR, DEPT. MUNIC. AFFAIRS, 54- Can. Army, 43-46. Town Planning Inst. Can; Can. Asn. Geog; Inst. Pub. Admin. Can. Community planning; the urban and rural area in all its social and physical aspects. Address: 67 Exbury Rd, Downsview, Ont, Can.

SINCLAIR, DR. ROBERT, b. Detroit, Mich, Nov. 28, 30. GEOGRAPHY. A.B. Wayne State, 51; M.A. Northwestern, 52, fel, 52-53, Ph.D. 55. Res. assoc. Kans. Basin Proj, Resources for Future Inc, 55-56; instr. GEOG, WAYNE STATE, 56-57, 57-65, ASSOC. PROF, 65- Fulbright res. scholar, Austria, 63-64. Asn. Am. Geog. Economic, urban and political geography; geography of Europe. Address: Dept. of Geography, Wayne State University, Detroit, Mich. 48202.

SINCLAIR, DR. ROBERT O, b. Johnson, Vt, Sept. 6, 22; m. 44; c. 2. AGRICULTURAL ECONOMICS. B.S. Vermont, 40, M.S. 55; fel, Mich. State, 55-56, Ph.D.(agr. econ), 58. County agr. agent, Vt. Exten. Serv, 44-53; instr. AGR. ECON. & asst. agr. economist, VERMONT, 53-55, ASST. PROF. & AGR. ECONOMIST, 56- U.S.N.R. 44-46. Agr. Econ. Asn. Agricultural finance and policy; state and local government. Publ: Economic effects of bulk milk handling; Insurance purchases of Vermont farmers; Small farms in Vermont. Address: College of Agriculture, University of Vermont, Burlington, Vt. 05401.

SINCLAIR, PROF. SOL(OMON), b. Sask, Can, Jan. 14, 05; m. 33; c. 3. AGRICULTURAL ECONOMICS. B.S.A. Saskatchewan, 32, M.Sc. 37; Ph.D.(agr. econ), Minnesota, 53. Farm mgr, Confederation Life Assn, 32-39; asst. dir, Prairie Farm Assistance Admin, Can. Dept. Agr, 39-45; asst. prof. AGR. ECON, MANITOBA, 45-46, assoc. prof, 46-53, PROF, 53-, chmn. dept, 54-66. Can. Coun. fel. agr. policy European Econ. Community, 61-62. Consult, Can. Dept. Fisheries, 53, 58-59, 65-66; Restrictive Trade Practices Cmn, 56. Mem, Tech. Agr. Mission to U.K. 49; chmn. bd. rev, Prairie Farm Assistance Admin, Can. Dept. Agr, 56-61; mem, Fisheries Res. Bd. Can, 61-66; res. cmt, Coop. Union Can, 62-66; Ford Found. head, develop. planning div, Ministry Agr, Kenya. Am. Agr. Econ. Asn; Can. Agr. Econ. Soc. (pres, 55-56); fel. Agr. Inst. Can; Can. Inst. Int. Affairs; Int. Asn. Agr. Econ. European Economic Community agricultural policy as related to Canadian agricultural exports; freshwater fisheries of the Mackenzie dis-

- trict, Canada; production economics; cooperation; farm policy. Address: Dept. of Agricultural Economics, University of Manitoba, Winnipeg, Man, Can.
- SINCLAIR, PROF. T (HORNTON) C (HAPMAN)**, b. Ft. Thomas, Ky, Feb. 20, 04. GOVERNMENT. A.B. Miami (Ohio), 25; A.M. Harvard, 27, Ph.D. 35; LL.B. Columbia, 31. From asst. prof. to assoc. prof. govt. Newark, 28-39, instr. law, 31-34; prof. hist. Transylvania, 47-50; assoc. prof. govt. HOUSTON, 50-55, PROF. POLIT. SCI., 55-, chmn. dept. 57-60, 63-66. Polit. Sci. Assn. Public law; judicial process. Publ: Procedural limitations on the legislative process in the New Jersey constitution; The constitution of Texas: personal rights and liberties; co-auth. The selection of judges in Texas, Pub. Affairs Res. Center, Houston, 65. Address: Dept. of Political Science, University of Houston, Houston, Tex. 77004.
- SINDBERG, DR. RONALD M (AX)**, b. Antigo, Wis, Oct. 30, 32; m. 60; c. 1. PSYCHOLOGY. B.A. Yale, 54; univ. scholar, Nat. Inst. Ment. Health fel. & Ph.D. Duke, 58. Psychologist, Winnebago State Hosp, Wis, 58; fel. neurophysiol. med. sch. Wisconsin, 58-60; Paris, 60-61; chief psychol. consult, community ment. health serv. Div. Ment. Hyg. Madison, 61-63; DIR. RES. CENT. WIS. COLONY & TRAINING SCH. 63- AAAS: Psychol. Assn. Neurophysiology; neurophysiological correlates of behavior; psychological evaluation of brain damage in humans. Publ: Some effects of stimulus variation on spiral aftereffect in organic and nonorganic subjects, J. Consult. Psychol.; co-auth. Auditory response fields in association and motor cortex of cat & Auditory responses in the ventral temporal cortex of cat, J. Neurophysiol. Address: Rt. 1 Twin Valley Rd, Middleton, Wis. 53562.
- SINDER, DR. LEON**, b. Bessarabia, Romania, Sept. 5, 22; m. 48. ANTHROPOLOGY. Ph.D. (anthrop.) Columbia, 60; hon. Litt.D. Chungang Univ, Korea. Sr. lectr. anthrop. Queens Col. (N.Y.), 52-58; field anthropologist & rural sociologist, UNESCO, Rural Leaders Training Center, Suwon, Korea, 60-61; PROF. SOCIOL. & ANTHROP. & CHMN. DEPT. LONG ISLAND, 61-Res. & Consult, UNESCO, 52-66; v.pres. Tarakanth Das Found, 53-; hon. res. assoc. Kyungbook Univ. Mus, Korea, 60; lectr. on Asia to acad. conferences, 60-67; liaison officer, Peace Corps, 61-63; co-dir. cultural affairs, Chungang Univ, Korea, 62; Fulbright prof, Chungang Univ, Korea Univ. & Seoul Nat. Univ, 63-64; chief, Rural Develop. Aid Mission to Laos & Community Develop. Eval. Mission to Colombia, UN, 66-67. Ed. Res. J. Intergroup Rels. Decorated by Korean Govt, 63. U.S.A.A.F. 42-46; Air Medal with 2 clusters; Philippine Liberation Medal. Fel. Anthropol. Assn; Acad. Polit. Sci.; Soc. Int. Develop. International relations; urban and community development of foreign countries. Publ: Caste instability in Moghul India, Seoul, Korea, 64; Community development in Colombia, UN, 66; Hinayana Buddhism in Thailand, J. Asian Studies, 63. Address: Dept. of Sociology & Anthropology, Long Island University, Brooklyn, N.Y. 11201.
- SINDLER, PROF. ALLAN P (AUL)**, b. New York, N.Y., Oct. 24, 28; m. 49; c. 2. POLITICAL SCIENCE. B.A. Harvard, 48, M.A. 50, Soc. Sci. Res. Coun. fel. 51-52, Ph.D. 53. Res. assoc. polit. sci. Duke, 53-54, instr. 54-55; Yale, 55-56, asst. prof. 56-59; assoc. prof. Duke, 59-65; PROF. GOVT. CORNELL, 65-, CHMN. DEPT. 67-. Fel. Center Adv. Study Behav. Sci. 63-64. Polit. Sci. Assn. American political parties, interest groups, voter behavior at national, state and local government levels. Publ: Huey Long's Louisiana: state politics, 1920-1952; ed. Change in contemporary South, Duke, 62; auth. Political parties in the United States, St. Martins, 66. Address: Dept. of Government, Cornell University, Ithaca, N.Y. 14850.
- SINDWANI, DR. KHAIRATI L**, b. Shorkot, India, Jan. 1, 27; m. 48; c. 1. SOCIOLOGY. B.A. Punjab, India, 50; M.A. Delhi, 53; M.A. Fla. State, 59; Ph.D. (welfare sociol. soc. work), Ohio State, 62. Asst. prof. SOCIOL. Hampton Inst, 62-63, assoc. prof. 64-67; asst. prof. Guilford Col, 63-64; ASSOC. PROF. EAST CAROLINA, 67-. Sociol. Assn. Demography. Address: Dept. of Sociology & Anthropology, East Carolina University, Greenville, N.C. 27834.
- SINES, DR. LLOYD K**, b. St. Paul, Minn, Jan. 24, 30; m. 51; c. 3. BEHAVIORAL SCIENCE, CLINICAL PSYCHOLOGY. B.A. Minnesota, 52, Ph.D. 57. Dir. res. behav. sci. State Hosp, Fergus Falls, Minn, 57-59; asst. prof. PSYCHOL. MED. SCH. MINNESOTA, MINNEAPOLIS, 59-66, ASSOC. PROF. 66- U.S.A.A.F. 46-49. Psychol. Assn. Research in behavioral science; clinical application of psychological principles; evaluation of psycho-physiological intervention in mental disease. Publ: Effect of chlorpromazine on discrimination and reversal learning in the white rat; Effect of therapeutic intervention by untrained therapists; Relative contribution of four kinds of data to accuracy in personality assessment. Address: Box 393 Mayo, University Hospitals, Minneapolis, Minn. 55455.
- SINGELL, DR. LARRY D**, b. Cleveland, Ohio, July 9, 37; m. 60; c. 3. ECONOMICS. A.B. East. Nazarene Col, 60; M.A. Wayne State, 63, Ph.D. (econ), 65. ASST. PROF. ECON. Bowling Green State, 65-66; WAYNE STATE, 66- Econ. Soc. Urban economics; human resources. Publ: Some private and social aspects of mobility of young workers, Quart. J. Econ. & Bus, spring 66; Examination of empirical relationship between unemployment and juvenile delinquency, Am. J. Econ. & Sociol, 10/67. Address: Dept. of Economics, 982 Mackinzie Hall, Wayne State University, Detroit, Mich. 48202.
- SINGER, DR. BENJAMIN D**, b. Detroit, Mich, May 3, 31; m. 54. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A. Wayne State, 61; M.A. Pennsylvania, 64, Ph.D. (sociol), 65. ASSOC. PROF. SOCIOL. WESTERN ONTARIO, 65- Co-prin. investr. & U.S. Dept. Labor res. grant, 67; Nat. Inst. Ment. Health res. grant, 67-68. Consult, Children's Psychiat. Res. Inst, Ont, 67- U.S.A.F. 48-50. Sociol. Assn. Asn. Ment. Deficiency. Communication; public opinion; social differentials in mental illness; interpersonal and contagion factors in race riots. Publ: Co-auth. The Detroit riot of July 1967, U.S. Dept. Labor, 68; Functionalism: a clarification of a clarification, Sociol. Inquiry, spring 63; Some implications of differential psychiatric treatment of Negro and white patients, Soc. Sci. & Med, 1: 77-83. Address: Dept. of Sociology, University College, University of Western Ontario, London, Ont, Can.
- SINGER, PROF. ERWIN**, b. Vienna, Austria, Oct. 20, 19; nat. m. 41; c. 2. PSYCHOLOGY. B.S.S. City Col. New York, 44; M.A. N.Y. Univ, 47, Ph.D. (psychol), 49; cert. W.A. White Inst. Psychoanal, 55. Clin. psychol. trainee, Vet. Admin, 47-49, clin. psychologist, 48-50; vis. asst. prof. N.Y. Univ, 50-51; asst. prof. ED. CITY COL. NEW YORK, 51-60, assoc. prof. 60-65, PROF. 65- Instr. N.Y. Univ, 51-53; adj. asst. prof. 53-55, adj. assoc. prof. 58-65, adj. prof. 65- Consult, Psychol. Corp, 49-54. U.S.A. 44-46. AAAS: Psychol. Assn. Psychoanalysis; communication theory. Publ: Key concepts in psychotherapy, Random, 65; co-auth. Dogmatism and sensory alienation, J. Consult. Psychol, 65; auth. Identity versus identification, Rev. Existential Psychol. & Psychiat, 66. Address: 33 Dunham Rd, Hartsdale, N.Y. 10530.
- SINGER, DR. GEORGE M (ILTON)**, b. Philadelphia, Pa, Oct. 13, 24. PSYCHOLOGY. B.A. Temple, 50, M.A. 52, Ph.D. (psychol), 58. Asst. psychol. lab. & clin. Temple, 50-53; chief psychologist psychol. serv. Phila. State Hosp, 53-56, sr. psychologist res, 56-57; dir. psychol. serv. Pennhurst State Sch. & Hosp, Spring City, 58-61; CLIN. PSYCHOLOGIST, KERN COUNTY MENT. HEALTH SERV. DEPT. 61- Private practice, 53-; consult, Kernview Hosp, 67- U.S.A.A.F. 43-46, Sgt. Psychol. Assn. Psychophysiology and mental illness; psychiatric chemotherapy; community mental health. Address: 1960 Flower St, Bakersfield, Calif. 93305.
- SINGER, DR. H (ANS) W (OF GANG)**, Econ, see 10th ed, Soc. & Behav. Vols.
- SINGER, PROF. HARRY**, b. Cleveland, Ohio, Sept. 4, 25; m. 55; c. 1. EDUCATIONAL PSYCHOLOGY. B.S. Western Reserve, 49, fel. 51-52, M.A. 52; Ph.D. California, 60. Asst. psychol. Western Reserve, 49-51; teacher, pub. sch. Calif, 54-55; reading, California, Berkeley, 55-60, res. analyst, 58-59, res. coordinator, U.S. Off. Ed, 59-60, res. psychologist & consult, Inst. Human Develop, 60, lectr. Riverside, 60-61; asst. prof. ed. & asst. dir. student counseling bur, Arizona, 61-62; asst. prof. ED. CALIFORNIA, RIVERSIDE, 62-66, ASSOC. PROF. 66-, acting chmn. dept. 67-68. Prin. investr. Coop. Res. Proj, 63-66. Consult, Carnegie Reading Proj, Carnegie Corp. grant, 60-61; Nat. Defense Ed. Act eval. reading insts, 66 & 67. U.S.N. 44-46, Res, 49-56. Ed. Res. Assn; Psychol. Assn. Factors underlying reading disabilities; development of the substrata-factor theory of reading; conceptualization in learning to read. Publ: Substrata-factor reorganization accompanying development in speed and power of reading, Final Report, U.S. Off. Ed, 65; A developmental model for speed of reading in grades three through six, Reading Res. Quart, 65; Conceptualization in learning to read, Fifteenth Yearbook, Nat. Reading Conf, 66. Address: Dept. of Education, University of California, Riverside, Calif. 92502.
- SINGER, DR. HENRY A**, b. New York, N.Y., Apr. 13, 18; m. 44; c. 2. SOCIAL PSYCHOLOGY. B.S. Columbia, 42; Rockefeller Found. fel. N.Y. Univ, 46-47, M.A. 47, Ph.D. 50. Instr. psychol. N.Y. Univ, 47-50; assoc. prof. State Univ. N.Y., 50-51; adv. U.S. Mission to Philippines, 51-54; dir. training, Hilton Hotels Int, 56-58; consult, Conn. Asn. Ment. Health, 58-59; dir. ed. Univac Div. Remington Rand Group, Sperry Rand Corp, 59-63; assoc. dir. adv. mgmt. workshops, Columbia, 63-66; HIGHER ED. OFFICER, CITY UNIV. NEW YORK, 67- Instr. sch. indust. rels. metrop. div. Cornell, 49-; vis. lectr. Philippines, 52-53; grad. sch. sci. & eng. Columbia, 64-65; vis. lectr. consult, Spanish Productivity Center, Agency Int. Develop, Madrid, 64, vis. lectr. Int. Mgt. Conf, Tehran, 65; West. Conn. State Col, 67-68. Dir. U.S. exhib. Int. Fair, Philippines, 52. Sr. consult. exec. ment. health workshops, Am. Airlines, 64-65. Ed. Adv. Mgt. Mag, 60-66. V. chmn. Am. Nobel Cmt, 60-61. Psychol. Assn; fel. Soc. Appl. Anthropol; Acad. Mgt; Acad. Polit. & Soc. Sci; Asn. Adv. Mgt; N.Y. Acad. Sci. Behavioral science applied to industrial setting, especially mental health climate; mass communications and human relationships. Publ: Developing leaders in changing world, Adv. Mgt, 7/65; Management in a changing world, J. Small Bus. Mgt, 10/65; The changing role of administrators, Hosp. Admin, summer 66. Address: Woodland Dr, Westport, Conn. 06880.
- SINGER, DR. JEROME E (VERETT)**, b. Bronx, N.Y., Apr. 29, 34; m. 57. SOCIAL PSYCHOLOGY. B.A. Michigan, 57; Ph.D. (psychol), Minnesota, 61. Fel. Histochem. med. sch. Minnesota, 61; asst. prof. PSYCHOL. Pa. State, 61-66; ASSOC. PROF. STATE UNIV. N.Y. STONY BROOK, 66- Vis. scholar, Ed. Testing Serv, 65-66. Consult, Soc. Sci. Res. Coun, 65-68. AAAS; Psychol. Assn. Attitude formation; psychopharmacology; cognitive theory. Publ: Co-auth. Patterns of psychological research, Allyn & Bacon, 66. Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- SINGER, DR. JEROME L (EONARD)**, b. New York, N.Y., Feb. 6, 24; m. 49; c. 3. CLINICAL PSYCHOLOGY. B.A. City Col. New York, 44; Ph.D. Pennsylvania, 50; cert. William Alanson White Inst, 58. Psychol. trainee, Vet. Admin. Ment. Hyg. Clin. Phila, Pa, 46-50; chief res. sect. Franklin D. Roosevelt Vet. Hosp, Montrose, N.Y., 50-55; lectr. psychol. & res. assoc. inst. psychol. res. Teachers Col, Columbia, 56-62, PROF. PSYCHOL. & DIR. CLIN. TRAINING, CITY COL. NEW YORK, 63- Clin. prof. Adelphi Col, 61-62. Res. consult. Astor Home Children & Kennedy Child Study Center, 56-; North Shore Neuropsychiat. Center, 56-; ed. consult, J. Consult. Psychol, 64- Mem. adv. bd. Contemporary Psychoanal, 65-; chmn. res. adv. bd. William Alanson White Inst, 66- AAAS; fel. Psychol. Assn. Personality theory; psychology of imaginative processes; psychoanalytic therapy; socio-cultural factors in personality development; experimental studies of daydreaming in children and adults. Publ: Daydreaming, Random, 66; Delayed gratification and ego development: implications for clinical and experimental research, J. Consult. Psychol; Imagination and waiting behavior in young children, J. Personality. Address: 11 Eastern Dr, Ardsley, N.Y. 10502.
- SINGER, PROF. J (OEL) DAVID**, b. Brooklyn, N.Y., Dec. 7, 25; m. 57; c. 2. INTERNATIONAL RELATIONS, POLITICAL SCIENCE. A.B. Duke, 46; Ph.D. (int. rels.), N.Y. Univ, 56. Instr. polit. sci. Vassar Col, 55-57; vis. Ford Found. fel. dept. soc. rels. Harvard, 57-58; asst. prof. polit. sci. Michigan, 58-60; consult. int. rels. Naval War Col, 60-61; RES. POLIT. SCIENTIST, MENT. HEALTH RES. INST. MICHIGAN, 61-, PROF. POLIT. SCI. UNIV, 66- Vis. scholar, Carnegie Endowment Int. Peace, Geneva, Switz, 67-68. Consult, Inst. Defense Anal, 61-; U.S. Dept. Defense, 65-66; U.S. Dept. Army, 66-67. U.S.N. 43-46, 51-53, Lt. Politi. Sci. Assn; Int. Studies Assn. International relations theory; comparative foreign policy; military strategy; behavioral sciences; disarmament; international organization. Publ: Deterrence, arms control and disarmament: toward a synthe-

sis in national security policy; ed, Human behavior and international politics, Rand McNally, 65 & Quantitative international politics, Macmillan, 68. Address: Mental Health Research Institute & Dept. of Political Science, University of Michigan, Ann Arbor, Mich. 48104.

SINGER, DR. JUDITH G(RUENDER), Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

SINGER, DR. LESLIE PAUL, b. Budapest, Hungary, Nov. 15, 22; nat; m; c. 1. ECONOMICS, PHILOSOPHY. D.Econ, Bratislava, 49; A.M, Indiana, 53, Ph.D, 58. Instr. tech. Eng, Bratislava, 47-49; Slovak, U.S. Air Force, INDIANA, 52-53, ECON, NORTHWEST CAMPUS, 53-59, asst. prof, 59-62, AS-SOC. PROF, 62-, ASST. CHMN. DEPT, 66- Econ. Asn. Location theory; mathematical forecasting; regional economics; literary criticism; poetry. Publ: Economics made simple; Wire center location theory and application; Dada, beat and a conversation with Tristan Tzara, December. Address: Dept. of Economics, Indiana University Northwest Campus, Gary, Ind. 46408.

SINGER, PROF. LESTER, b. New York, N.Y., Apr. 1, 19; m. 47; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.S. City Col. New York, 41, M.S. 47; Nat. Conf. Christians & Jews fel, 50-51; Ph.D, Columbia, 58. Soc. group worker, E. Tremont Neighborhood Center, 49-50; instr. SOC. SCI, NEW YORK COMMUNITY COL, 51-53, asst. prof, 53-59, assoc. prof, 60-65, PROF, 65-, asst. dean, 59-60, acting dean col, 65-67. U.S.A, 42-46. Sociol. Asn. Ethnic groups and race relations; urbanism and industrialization; ethnicity and personality. Publ: Ethnogenesis and Negro-Americans today, Social Res, winter 62. Address: Dept. of Social Science, New York City Community College, 300 Jay St, Brooklyn, N.Y. 11201.

SINGER, DR. MARGARET THALER, b. Denver, Colo, July 29, 21; m. 56; c. 2. PSYCHOLOGY. A.B, Denver, 43, M.A., 45, Ph.D.(clin. psychol), 52. Med. psychologist, sch. med, Colorado, 45-53; res. psychologist, Walter Reed Army Inst. Res, 54-58; SPEC. CONSULT, NAT. INST. MENT. HEALTH, 58- Instr, Denver, 47-54; Colorado, 48-54; mem. faculty, Wash. Sch. Psychiat, 54-58; instr, Howard, 55; vis. assoc. prof, Albert Einstein Col. Med, 55-58. Consult, Cardiovascular Res. Inst, Langley Porter Hosp, Kaiser Found. Hosp. & Letterman Army Hosp, 58- Hofheimer prize, Am. Psychiat. Asn, 66. Psychol. Asn; Psychosom. Soc. Projective techniques; psycho-physiological correlates; geriatrics; schizophrenia. Publ: Thought disorder and family relations of schizophrenics, Arch. Gen. Psychiat, 65; Principles for scoring communication defects and deviances in parents of schizophrenics, Psychiatry, 66; Family transactions and schizophrenia, In: Excerpta Medica, 67. Address: 17 El Camino Real, Berkeley, Calif. 94705.

SINGER, PROF. MILTON, b. July 15, 12; m. 35. ANTHROPOLOGY. Ph.D. (philos. of sci), Chicago, 40. PROF. ANTHROP. & KLAPPER PROF. SOC. SCI, CHICAGO, 54- Chmn. soc. sci. staff, col, Chicago, 47-53, assoc. dir. proj. intercultural studies, 51-58, dir, 58-61, secy. cmt. South. Asian Studies, 54-67, chmn, 67-, co-dir, S.Asia Lang. & Area Center, 59-63. Fel. Center Adv. Study Behav. Sci, 57-58. V.pres, Am. Inst. Indian Studies, 61-64. Fel. Anthropol. Asn; Asn. Asian Studies. Social anthropology of Indian civilization; comparison of civilizations; theory of culture and culture change; philosophical anthropology. Publ: Ed. & co-auth, Traditional India: structure and change, 58; Krishna: myths, rites and attitudes, East West Center, 66; co-ed. & co-auth, Structure and change in Indian society, Aldine, 68. Address: Dept. of Anthropology, University of Chicago, Chicago, Ill. 60637.

SINGER, DR. ROBERT DENNIS, b. Budapest, Hungary, Sept. 8, 31; nat; m. 61. PSYCHOLOGY. B.A, Pennsylvania, 53, M.A., 55, U.S. Pub. Health Serv. fel, 55-57, Ph.D, 60; fel, California, 57-58. Res. psychologist, East Pa. Psychiat. Inst, 58-60; asst. prof. PSYCHOL, Stanford, 60-64; ASSOC. PROF, N.Y. UNIV, 64- Consult, Vet. Admin, 60-; indust. rels. consult, James N. Farr Assocs, N.Y. & consult. psychol. ed, W.B. Saunders Co, Pa, 66- Acad. Polit. & Soc. Sci; Soc. Res. Child Develop; Psychol. Asn. Experimental personality; psychopathology; theoretical system building aimed at understanding schizophrenia and paranoia; individual and group psychotherapy; child development; personality and cognitive development. Publ: Psychological development in childhood, Saunders, 68; Organization as a unifying concept in schizophrenia, Arch. Gen. Psychiat; Use of the sematic differential in milieu therapy, J. Clin. Psychol. Address: Dept. of Psychology, New York University, 21 Washington Place, New York, N.Y. 10003.

SINGER, DR. RONALD VON, b. Cincinnati, Ohio, Aug. 24, 31; m. 66. PSYCHOLOGY. B.A, Cincinnati, 54; M.A, Temple, 57; Ph.D.(psychol), Mich. State, 63. Staff psychologist, Ohio State Hosp, Lima, 57-59; psychol. trainee, Vet. Admin. Hosp, Ann Arbor, Mich, 62-63; asst. prof. PSYCHOL, Albion Col, 63-65; fel, Merrill-Palmer Inst, 65-66; ASST. PROF. MARQUETTE, 66- AAAS; Psychol. Asn; Animal Behav. Soc; Personnel & Guid. Asn. Effects of video tape feedback on psychotherapy; applications of learning theory to mental retardation and psychotherapy; inter-relations of dynamic, humanistic and learning approaches to psychology and psychotherapy. Address: Dept. of Psychology, Marquette University, Milwaukee, Wis. 53233.

SINGER, DR. SANFORD R(OBERT), b. Murfreesboro, Tenn, Aug. 25, 30; m. 58; c. 1. ECONOMICS. B.S, Tennessee, 52, M.S., 55; Ph.D, Ohio State, 60. Asst. econ, Ohio State, 55-58, asst. instr, 56-58, instr, 58-60; economist, Fed. Reserve Bank of Dallas, 60-64; LONE STAR GAS CO, 64-68, SR. V.PRES. ADMIN. SERV, 68- U.S.A, 52-54, 1st Lt. Econ. Asn. Analysis of resource availability and use, especially the petroleum industry; national and southwestern economic analysis relating to growth and structural change; transportation and public utility economics. Publ: Recent trends in Southwestern personal income, Seasonally adjusted indexes of petroleum activity & Natural gas industry: production, transmission and distribution, Bus. Rev. Address: Lone Star Gas Co, 301 S. Harwood, Dallas, Tex. 75201.

SINGH, DR. AJMER, b. India, July 2, 35; U.S. citizen; m. 62; c. 2. ECONOMICS. B.S, Punjab, India, 55; M.S, Oregon State, 61, Ph.D.(econ), 64. Res. asst. econ, Oregon State, 60-64; economist, Ill. Bd. Econ. Develop, 64-65; asst. dir, bur. econ. & bus. res, Memphis State, 65; asst. prof, ECON. TEACHING, ORE. COL. ED, 66-67, ASSOC. PROF, 68- Econ. Asn; Regional

Sci. Asn; Agr. Econ. Asn. Resource economics; regional economics; economic development; econometrics; recreation economics. Publ: Co-auth, Advanced economic geography, Oxford, (in prep) & Net economic value of Oregon salmon steelhead sport fishery, J. Wildlife Mgt, 4/65; auth, Local business activity index: its construction and uses, J. Regional Sci, summer 67. Address: Dept. of Social Science, Oregon College of Education, Monmouth, Ore. 97361.

SINGH, PROF. AMARJIT, b. Montgomery, W. Pakistan, Aug. 5, 35; m. 65; c. 1. POLITICAL SCIENCE. B.A, Punjab, India, 56; LL.B, Delhi, 58; M.I.S, Claremont Grad. Sch. & Grad. Center, 64; Ph.D.(int. rels), 68. PROF. POLIT. SCI, BENEDICT COL, 66- Polit. Sci. Asn. The reorganization of states in India, a case study of the Punjab. Address: Dept. of Political Science, Benedict College, Columbia, S.C. 29204.

SINGH, DR. BALJIT, b. Budaum, India, Oct. 1, 29; m. 62; c. 1. POLITICAL SCIENCE. B.A, Agra, 51; M.A. & D.F.A, Aligarh Muslim Univ, India, 53; Inst. S.Asia Studies scholar. & Ford Found. fel, Pennsylvania, 57-58; univ. fel, Maryland, 59-60, Ph.D.(polit. sci), 61. Fel. int. studies, Indiana Sch. Int. Studies, New Delhi, 55-57; res. asst, Embassy of India, Wash. D.C, 58; asst, Maryland, 60-61; asst. prof. polit. sci, Mich. State, 61-62; Wayne State, 62-63; MICH. STATE, 63-65, Ford Found. res. grant, int. progs, Asian Studies Center, 65-67, ASSOC. PROF. POLIT. SCI. & ASST. DEAN COL. SOC. SCI, 67- Summers, instr, Maryland, 61, Asia Found. travel & study fel, 61, vis. prof, Oakland, 63, Ford Found. res. grant, India, 64. Polit. Sci. Asn; Int. Studies Asn. Revolutionary political change in developing countries; foreign policies of major powers; national politics and political development in India and Pakistan. Publ: The theory and practice of modern guerrilla warfare, Taplinger, 68; Pundits and punchsheela: Indian intellectuals and their foreign policy, Background, 6/65; Law as a political instrument: a Soviet illustration, World Justice, 6/66. Address: College of Social Science, Michigan State University, 245 Fee Hall, East Lansing, Mich. 48823.

SINGH, DR. LALITA PRASAD, b. Ghazipur, India, Mar. 5, 36; m. 55; c. 4. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A, Allahabad, 55, M.A., 57; scholar. & Ph.D.(int. rels), Indian Sch. Int. Studies, New Delhi, 62; fel. & Ph.D.(int. rels), Australian Nat. Univ, 65. Asst. prof. POLIT. SCI, St. Andrews Col, Gorakhpur, India, 57-58; Missouri, 64-65; Pa. State, 65-66; Western Ontario, 66-68; ASSOC. PROF, SIR GEORGE WILLIAMS, 68- Pa. State Univ. res. grant, 66; Univ. Western Ontario & Can. Coun. res. grants, 67. Am. Polit. Sci. Asn; Can. Polit. Sci. Asn; Can. Inst. Int. Affairs. United Nations and decolonization; Indonesian foreign policy; conflict in Indochina. Publ: Politics of economic cooperation in Asia, Univ. Missouri, 66. Address: Dept. of Political Science, Sir George Williams University, Montreal, Que, Can.

SINGH, PROF. SURENDER, b. Hardoi, India, Sept. 12, 32; m. 57; c. 6. POLITICAL SCIENCE. B.A, Macalester Col, 56; M.A, Minnesota, St. Paul, 57, Ph.D.(polit. sci, journalism), 60. Dir. student personnel work, Lodhipur Inst, India, 60-61; mgr. admin, Ranikhet & Dwarahat Inter-Cols, 61-62; prof. polit. sci. & hist, Carthage Col, 62-64; PROF. POLIT. SCI. & CHMN. DEPT, WIS. STATE, LA CROSSE, 64- Hon. fel, Univ. Minnesota, 64-65 & 68-69; res. grants, Ill. Center for Study of Polit, 64 & U.S. Govt. Higher Ed. Act, 67-68. Consult, Regional Productivity Coun. India, 61-62; governing body of ed. serv, Methodist Church, S.Asia, 61-62. Pub. Admin. Soc. India. American government; international organization and relations. Publ: American national government—George Washington to Johnson, Curtiss, 65; Twin democracies: India and the U.S, Upper India Pub. House, 68; co-auth, Cybernation: international implications, Nat. Productivity Coun. J, India, winter, 67. Address: Dept. of Political Science, Wisconsin State University, La Crosse, Wis. 54601.

SINGLETON, DR. JAMES W(INSLOW), b. Cincinnati, Ohio, Oct. 13, 27; m. 49; c. 3. SOCIOLOGY. B.A, Oberlin Col, 49; M.A, Chicago, 50, Ph.D.(sociol), 54. Asst. prof. sociol. & anthropol, Wilson Col, 52-53; proj. dir. consult. div, Sci. Res. Assocs, 53-54; dept. asst, methods & res, North. Trust Co, 54-56; sr. human factors scientist, training develop, SYST. DEVELOP. CORP, 56-59, head training develop. br, 59-60, mgr. Norad dept, 60-61, adv. systs. dept, 61-63, assoc. mgr, adv. systs. div, 63-68, V.PRES. & ASSOC. MGR. PUB. SYSTS. DIV, 68- Consult, U.S. Air Force Sci. Adv. Bd, 59-65. U.S.N, 45-47. Sociol. Asn; Psychol. Asn; Inst. Elec. & Electronics Eng. Social psychology; military operations analysis; information processing design of large scale man-machine systems. Address: 4129 Watkins Trail, Annandale, Va. 22003.

SINGLETON, DR. ROBERT R(ICHMOND), Math, see 11th ed, Phys. & Biol. Vols.

SINICK, PROF. DANIEL, b. New York, N.Y., Aug. 5, 13; m. 39; c. 2. PSYCHOLOGY. B.A, City Col. New York, 36; M.A, State Univ. N.Y., 37; New Hampshire, 43; Harvard, 43; Univ. Dijon, France, 45; Columbia, 46; Ph.D. (guid), N.Y. Univ, 55. Teacher, New York City Bd. Ed, 47-57; from assoc. prof. to prof. REHAB. COUNSELING, San Francisco State Col, 57-67; PROF, GEORGE WASHINGTON, 67- Psychologist, Vet. Admin, 49-57; instr, N.Y. Univ, 52-57, consult. dept. guid. & personnel admin, 55-57. Consult, off. voc. rehab, U.S. Dept. Health, Ed. & Welfare, 60-62; San Francisco Light-house Blind, 61-64. U.S.A, 42-46, Sgt. Psychol. Asn; Personnel & Guid. Asn.(ed, Rehab. Counseling Bull, 60-64); Asn. Counsr. Ed. & Supv. Psychosocial dynamics of disability and counseling; psychological testing and other assessment methods; occupational information and its use in counseling and teaching; role of anxiety in interpersonal relations. Publ: Your personality and your job; Encouragement, anxiety, and test performance, J. Appl. Psychol; Placement's place in guidance and counseling, Personnel & Guid. J. Address: School of Education, George Washington University, Washington, D.C. 20006.

SINNETT, DR. E(ARLE) ROBERT, Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

SIO, PROF. ARNOLD ANTHONY, b. Chicago, Ill, Aug. 22, 17; m. 48; c. 4. SOCIOLOGY, ANTHROPOLOGY. A.B, Beloit Col, 44; Chicago, 44-46; M.A,

- Illinois, 50, Ford Found. fel, 52, Ph.D., 57. Res. assoc. pub. admin. Coun. State Govts, 46-49, federalism, Hoover Cmn, 44; asst. SOCIOL. & ANTHROP, Illinois, 49-52; asst. prof. COLGATE, 52-58, assoc. prof. 58-64, PROF, 64-, CHMN. DEPT, 66-. Vis. prof. Univ. West Indies, 67-68. Mem. bd. gov. Rome State Sch, 58-. U.S.A.A.F., 43-44, Sgt. Sociol. Asn; Anthropol. Asn; Am. Studies. Asn. Comparative slavery, especially Negro slavery in the Americas; contemporary Negro society and culture. Publ: Interpretations of slavery: the slave status in the Americas; Society, slavery, and the slave; Legal and social structures of slavery in the United States. Address: 29 Madison, Hamilton, N.Y. 13346.
- SIPLE, DR. HOWARD L, b. Pittsburg, Kans, May 23, 18; m. 44; c. 2. PSYCHOLOGY. B.S. Kans. State Col, Pittsburg, 39, M.S., 40; Ph.D. Northwestern, 48. Asst. prof. psychol. Rochester, 47-49; clin. psychologist, Vet. Admin. Hosp. Topeka, Kans, 49-51, chief clin. psychologist, Denver, Colo, 51-56, Vet. Admin. Ment. Hyg. Clin. Buffalo, N.Y., 56-61, San Francisco, 61-65; clin. psychol. consult, Region V, U.S. Pub. Health Serv, 65-67; AS-SOC. REGIONAL HEALTH DIR. MENT. HEALTH, REGION V, DEPT. HEALTH, ED. & WELFARE, 67-. Clin. assoc. Kansas, 50-51; vis. lectr. Colorado, 53-56; prof. lectr. Buffalo, 58-59. U.S.A., 43-46, 1st Lt. AAAS; Psychol. Asn; Pub. Health Asn. Evaluation of psychotherapy; personality theory; psychopathology; interpersonal relationships; public mental health administration. Address: 1632 Ashland Ave, Evanston, Ill. 60201.
- SIPLE, DR. PAUL A(LLMAN), Phys. Geog, see Suppl. V to 11th ed, Phys. & Biol. Vols.
- SIPPRELLE, PROF. CARL N(ATHANIEL), b. Patten, Maine, May 16, 18; m. 42; c. 2. PSYCHOLOGY. B.A. New Hampshire, 48, M.A., 49; Ph.D. (psychol), Tennessee, 52. From asst. prof. to assoc. prof. psychol. Tennessee, 55-63, from asst. dir. to asst. dir. psychol. serv. center, 55-63; PROF. PSYCHOL. & DIR. CLIN. TRAINING, Georgia, 63-67; SOUTH DAKOTA, 67-. Consult, Knoxville Cerebral Palsy Bd, Tenn, 55-56. Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.M.C., 43-46. Psychol. Asn. Training in clinical psychology; behavior modification; operant conditioning of autonomic responses. Publ: Co-auth, Extinction as a function of insight, 3: 81-84 & auth, Induced anxiety and psychotherapy, 4: 38-40, Psychother: Res, Theory and Practice; co-auth, Extinction of a classically conditioned G.S.R. response as a function of awareness, Behav. Res. & Therapy, 5: 331-337. Address: Dept. of Psychology, University of South Dakota, Vermillion, S.Dak. 57069.
- SIQUELAND, DR. EINAR ROLF, b. Glasgow, Mont, Nov. 15, 32; m. 60; c. 2. PSYCHOLOGY. B.A. Pacific Lutheran, 54; M.S. Washington (Seattle), 62, Ph.D.(psychol), 63. Intern. clin. child psychol. sch. med. Washington (Seattle), 61-62; res. assoc. EXP. CHILD PSYCHOL, BROWN, 63-65, ASST. PROF, 65-. U.S. Pub. Health Serv. fel, 65-65; Nat. Inst. Child Health & Human Develop. res. grant, 68-71. U.S.A., 56-58. AAAS; Psychol. Asn. Developmental psychology; development of learning processes in human infants; development of exploratory behavior in human infants. Publ: Experimental modification of taste preference J. Comp. Physiol. Psychol, 65; co-auth, Conditioned head-turning in human newborns, 66 & auth, Reinforcement patterns and extinction in human newborns, (in press), J. Exp. Child Psychol. Address: Dept. of Psychology, Brown University, Providence, R.I. 02912.
- SIRJAMAKI, PROF. JOHN, b. Chisholm, Minn, May 9, 11. SOCIOLOGY. A.B. Carleton Col, 34; Ph.D. Yale, 40. Instr. SOCIOL. N.Y. Univ, 40-41; asst. prof. Delaware, 43-44; Vassar Col, 44-46; Yale, 46-53; assoc. prof. Minnesota, 53-57, PROF, 57-63; STATE UNIV. N.Y. BUFFALO, 63-. Sociol. Asn. Urban, American culture. Publ: American family in the twentieth century, Harvard, 53; The sociology of cities, Random, 64; co-auth, Social foundations of human behavior, Harper & Row, 65. Address: Dept. of Sociology, 316 Hayes Hall, State University of New York, Buffalo, N.Y. 14214.
- SIRKEN, DR. IRVING A, b. Montreal, Que, Mar. 9, 22; U.S. citizen; m. 53; c. 2. ECONOMICS. B.A. McGill, 42, M.A., 43; fel. M.P.A. & A.M. Harvard, 47, Ph.D.(econ), 53. From instr. to asst. prof. Williams Col, 47-52; chief indust. anal. & prog. eval. P.R. Econ. Develop. Admin, 52-54; economist, Nat. Sci. Found, 54-56; staff economist, Off. Secy, U.S. Dept. Interior, 56-59; sr. economist, Int. Coop. Admin, 59-60, consult, transport surv. of Argentina, WORLD BANK, 60-62, economist, Western Hemisphere Dept, 62-66, LECTR, ECON. DEVELOP. INST, 66-. R.C.N., 44-45. Econ. Asn. International trade and finance; economic management in developing countries. Address: 3100 Aberfoyle Place N.W., Washington, D.C. 20015.
- SIRKEN, DR. MONROE G(ILBERT), b. New York, N.Y., Jan. 11, 21; m. 54; c. 1. SOCIOLOGY. B.A. California, Los Angeles, 46, M.A., 47; Ph.D. (sociol), Washington (Seattle), 50; California, Berkeley, 51. Res. assoc. statist. lab, Washington (Seattle), 48-50, lectr. dept. prev. med. sch. med, 50; math. statistician, U.S. Bur. Census, 51-53; actuary & math. statistician, Nat. Off. Vital Statist. DEPT. HEALTH ED. & WELFARE, 53-63; DIR. OFF. STATIST. METHODS, NAT. CENTER HEALTH STATIST, 63-. Statist. Asn; Pop. Asn. Am; Pub. Health Asn; Sociol. Asn. Statistical methods; design of sample surveys; demography. Publ: Co-auth, Design of surveys linked to death records, Dept. Health, Ed. & Welfare, Pub. Health Serv, 9/62; auth, Research uses of vital records in vital statistics surveys, Milbank Mem. Fund. Quart, 7/63; co-auth, Design of sample surveys to estimate the prevalence of rare diseases: Three unbiased estimates, Nat. Center Health Statist, 10/65. Address: Office of Statistical Methods, National Center for Health Statistics, Dept. of Health, Education & Welfare, Washington, D.C. 20201.
- SIRKIN, DR. GERALD, b. Wilkes-Barre, Pa, Dec. 1, 20; m. 51. ECONOMICS. A.B. Harvard, 42; M.A. Columbia, 48, fel, 48-49, Ph.D.(econ), 56. Instr. ECON, Oberlin Col, 49-50; Yale, 51-56, asst. prof, 56-59; CITY COL. NEW YORK, 59-67, ASSOC. PROF, 67-. Fulbright res. scholar, India, 60-61; Rockefeller Found. grant, 64-65; vis. assoc. prof. Philippines, 65. Econ. Asn. Economic development; macroeconomics. Publ: Introduction to macroeconomic theory, Irwin, 61, rev. ed, 65; The visible hand—the fundamentals of economic planning, McGraw, 68; The theory of the regional economic
- base, Rev. Econ. & Statist, 11/59. Address: Apt. 15-B, 845 West End Ave, New York, N.Y. 10025.
- SIROTKIN, DR. PHILLIP L(EONARD), b. Moline, Ill, Aug. 2, 23; m. 45; c. 2. POLITICAL SCIENCE. B.A. Wayne, 45; Walgreen scholar. & M.A., Chicago, 47, Carnegie fel. & Ph.D.(polit. sci), 51. Instr. polit. sci, Wellesley Col, 50-52, asst. prof, 52-57; asst. dir. West. Interstate Cmn. Higher Ed, 57-59, assoc. dir. regional progs, 59-60; exec. asst. to dir, State Dept. Ment. Hyg, Calif, 60-63; spec. consult, off. human resources & soc. develop, U.S. Agency Int. Develop, 63-64; spec. asst. to assoc. dir. extramural progs, NAT. INST. MENT. HEALTH, 64-65, asst. dir, inst, 64-66, ASSOC. DIR. PROG. COORD, 67-. Mem. bd. dirs, Coun. Soc. Work Ed, 59-60. Superior serv. award, U.S. Pub. Health Serv, 67. U.S.A., 43-46, Lt. Polit. Sci. Asn. Government administration; program planning; research and administration in health; education and welfare. Publ: Co-auth, Echo Park Dam controversy and Upper Colorado River development; auth, Peters case, Nation; Oil, Eisenhower's giveaway program, Frontier. Address: National Institute of Mental Health, 5454 Wisconsin Ave, Chevy Chase, Md. 20203.
- SISK, PROF. GLENN N(OLEN), b. Cookeville, Tenn, Mar. 15, 06; m. 40; c. 1. SOCIAL SCIENCE. A.B. Alabama, 33, A.M., 35; Ph.D.(Am. hist), Duke, 51. Instr. hist, Ala. State Teachers Col, Livingston, 37-39; woman's col, North Carolina, 41-42; Ala. Polytech, 42-43; asst. prof. SOC. SCI, GA. INST. TECH, 43-46, assoc. prof, 46-48, PROF, 48-. head dept, 48-56. Econ-in-Action fel, Case Inst. Tech, 54; Ford Ed. Forum fel, 55; summer, vis. lectr, Brooklyn Col, 58. Orgn. Am. Hist; Hist. Asn. Southern history. Publ: The Negro in Atlanta, 4/64 & The Negro in Atlanta politics, 10/64, Negro Hist. Bull; The Negro colleges in Atlanta, J. Negro. Ed, fall, 64. Address: Dept. of Social Sciences, Georgia Institute of Technology, Atlanta, Ga. 30332.
- SISK, PROF. HENRY L(YBRAN), b. Los Angeles, Calif, June 22, 14; m. 46; c. 1. PSYCHOLOGY. A.B. Arizona State, 35; M.A. Arizona, 38; Ph.D.(psychol), Cornell, 39. Instr. psychol, N.Y. State Teachers Col, Albany, 39-42; chief, Vet. Admin. Guid. Center, Ariz, 46-47; consult. psychologist, Stevenson, Jordan & Harrison, Inc, 47-49; dir. indust. rels, Milprint, Inc, Wis, 49-52; superv. orgn. develop, Continental Can Co, 52-56; asst. dir. indust. rels, Dresser Indus, 56-59; PROF. MGT, NORTH TEXAS STATE, 59-. Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.A., 42-45. Fel. Psychol. Asn. Personnel selection; statistics; industrial management. Publ: Principles of management. Address: School of Business, North Texas State University, Denton, Tex. 76203.
- SISKIND, DAVID I, b. Brooklyn, N.Y., Sept. 28, 16; m. 41; c. 3. ECONOMICS. B.S., City Col. New York, 38; M.A., George Washington, 48. ECONOMIST-STATISTICIAN, U.S. GOVT, 40-. Econ. Asn. Construction and housing; interindustry economics. Publ: Final demand sector in the 1947 interindustry study; New nonfarm residential construction; New nonfarm nonresidential construction. Address: 304 Cavalier Court, Silver Spring, Md. 20901.
- SITES, PROF. JOHN E(DWARD), b. Dayton, Ohio, June 27, 38; m. 65. SOCIOLOGY, EDUCATION. B.A. Florida, 60; summers, Appalachian State, 65 & 67; J.D. Miami (Fla), 66. Teacher, pub. schs, Fla, 60-65, asst. prin, 65-66; law assoc, Bradley, Johnson, Nelson & Young, Fla, 66-67; PROF. SOCIOL. & CHMN. DEPT. SOC. SCI, BRENAU COL, 67-. Sociol. Asn. Instructional methods of the social studies; social sciences in the secondary schools; urban sociology; behavioral deviance; criminology. Publ: Co-auth, Teacher's guide for basic education, 61, Teacher's guide for world geography, 64 & Teacher's guide for TV American history, 66, Dade County Sch. Bd. Address: Brenau College, 640 Academy St, Gainesville, Ga. 30501.
- SITGREAVES, PROF. ROSEDITH, b. Easton, Pa, Jan. 30, 15. MATHEMATICAL STATISTICS. A.B. Wilson Col, 35; M.A., George Washington, 40; Commonwealth Fund fel, 46-47; Ph.D.(math. statist), Columbia, 53. Statistician, U.S. Pub. Health Serv, 43-52; res. assoc. theoret. statist, Stanford, 52-54; TEACHERS COL, COLUMBIA, 54-57, asst. prof. ED, 57-60, assoc. prof, 60-64, PROF, 64-. Guggenheim fel, 63-64. Statist. Asn; Biomet. Soc; Inst. Math. Statist. Public health and educational statistics. Publ: Distribution of two random matrices used in classification procedures & co-auth, Estimates of bounded relative error in particle counting, Ann. Math. Statist; Chaps. In, Studies in stem analysis and prediction. Address: Dept. of Psychology, Teachers College, Columbia University, New York, N.Y. 10027.
- SITTERLEY, PROF. J(OHN) H(AAS), b. Canal Winchester, Ohio, Aug. 16, 05; m. 30; c. 2. AGRICULTURAL ECONOMICS. B.S. Ohio State, 28, M.S., 32, Ph.D., 44. Asst. FARM MGT. & LAND ECON, OHIO STATE, 28-30, instr, 30-36, asst. prof, 36-44, assoc. prof, 44-47, PROF, 47- & AGR. ECONOMIST, OHIO AGR. RES. & DEVELOP. CENTER, 53-. Grant to study land use planning, Europe, 61. Chief of party, Ohio State Univ. contract team, Luiz de Queiroz Adv. Sch. Agr, Univ. São Paulo, 64-66. Distinguished prof. award, Ohio State Univ, 61. Agr. Econ. Asn; Soc. Farm Mgrs. & Rural Appraisers, Int. Asn. Agr. Econ; European Soc. Rural Sociol. Farm management, land economics and economic development of developing countries; development of agricultural educational institutions; maximum efficiency on farms and in public sector of economy. Address: Dept. of Agricultural Economics, Ohio State Univ. 2120 Fyffe Rd, Columbus, Ohio 43210.
- SITTIG, DR. ROBERT F, b. Three Oaks, Mich, Sept. 20, 31; m. 57; c. 4. POLITICAL SCIENCE. B.A. Western Michigan, 58, M.A., 59; Ph.D.(polit. sci), Southern Illinois, 62. Instr. POLIT. SCI, NEBRASKA, LINCOLN, 62-64, ASST. PROF, 64-. Mem. task force functions federal, state & local governments, Nat. Republican Coord. Cmt, 67-. U.S.N., 51-55. Polit. Sci. Asn. Nominating system of American political parties. Publ: The U.S. Congress and internal reform, Vanderbilt Law Rev, 12/66; The direct primary: permanent decline or temporary eclipse?, Soc. Sci., 4/67; Unicameralism in Nebraska, 1936-1966, State Govt, winter 67. Address: Dept. of Political Science, University of Nebraska, Lincoln, Nebr. 68508.
- SITTON, PROF. GORDON R(USSELL), b. Carlton, Ore, May 2, 16; m. 44; c. 2. ECONOMICS, AGRICULTURAL ECONOMICS. B.S. Ore. State Col, 40; Ph.D. (econ), Stanford, 54. Asst. Stanford, 48-50; lectr. AGR. ECON, California, Davis, 50-54, asst. prof, 54-55; from assoc. prof. to PROF, OREGON

STATE, 55-, ASSOC. AGR. ECONOMIST, AGR. EXP. STA. 55-, DIR. INTER-NAT. ED, UNIV, 66- Vis. prof, Kasetsart Univ, Bangkok, 59-62. U.S.A, 41-46, Maj. Econ. Asn; Agr. Econ. Asn. Farm management; agricultural policy; economic development. Publ: Co-auth, Farm management manual, Nat. Press, 54 & Economic prospects for the Willamette Valley, Oregon State Univ, 68; auth, Mechanized rice production, Calif. Agr. Address: Office of International Education, Oregon State University, Corvallis, Ore. 97331.

SIU, PROF. PAUL C. P, b. Canton, China, June 14, 06; nat; m. 41; c. 1. SOCIOLOGY, ANTHROPOLOGY. B.A. Chicago, 37, Ph.D. 53. Community and case worker, Int. Nat. Inst, Boston, Mass, 44-56; asst. prof, Kans. Wesleyan, 56-60; assoc. prof, Park Col, 60-61; prof, Yankton Col, 61-62; PROF. SOCIOLOGY & PSYCHOL. & CHMN. DEPT, DETROIT INST. TECH. 62- Sociol. Asn; Anthropol. Asn; Soc. Appl. Anthropol. Asn. Asian Studies. Race relation; social institutions; sociology of science; ethnology; urban problems. Publ: The sojourner; The isolation of the Chinese laundryman. Address: College of Arts & Sciences, Detroit Institute of Technology, Detroit, Mich. 48201.

SIUDZINSKI, DR. EDWARD S(TANISLAUS), b. Buffalo, N.Y., Sept. 3, 20; m. 51; c. 4. COUNSELING PSYCHOLOGY. B.S. Canisius Col, 49, M.Ed. 50; summer, Buffalo, 50; Ph.D.(ed. psychol. & guid), Fordham, 58; Columbia, 58-60. Psychometrist, guid. center, Canisius Col, 50; trainee counseling psychol. Vet. Admin. Hosp, New York, N.Y., 58-59, Bronx, 59-60, VET. ADMIN. HOSP., MONTROSE, 60, COUNSELING PSYCHOLOGIST, 60- U.S.N.R. 41-46. Psychol. Asn; Personnel & Guid. Asn; Acad. Relig. & Ment. Health. Vocational testing, vocational and educational counseling and rehabilitation, psychodiagnostics and psychological counseling particularly with neuropsychiatric patients. Address: Veterans Administration Hospital, Montrose, N.Y. 10548.

SIVANICH, DR. GEORGE, b. Minneapolis, Minn, July 27, 28; m. 60; c. 2. PSYCHOLOGY. B.A. Minnesota, 50, Ph.D.(psychol.), 60; M.A., Harvard, 51. Dir. res. sect, Hastings State Hosp, Minn, 58-60; instr. psychol, Med. Col. Va, 61-62; chief assessment br, Peace Corps, 62-65; ASSOC. PROF. PSYCHOLOGY, ST. OLAF COL, 65- AAAS: Psychol. Asn. Clinical and educational psychology; higher education; social problems; administration. Publ: Co-auth, On the evaluation of personality change as measured by psychometric test profiles, 61 & Assessing the temporal stability of profile groups in a comparative experiment or survey, 63, Psychol. Reports; co-auth, Psychological assessment techniques, Prog. Neurol. & Psychiat, 63, 64 & 65. Address: 323 N. Spring St, Northfield, Minn. 55057.

SIVARD, RUTH LEGER, b. New York, N.Y., Nov. 25, 15; m. 43; c. 2. ECONOMICS. M.A., N.Y. Univ, 42. Economist, Off. Price Admin, 42-46; distribution officer, UNRRA, 46-47; assoc. ed, Dun's Rev, 47-48; dep. chief off. statist, Int. Refugee Orgn, 48-49; dep. chief res. br, U.S. Spec. Rep. Europe, 49-54; consult, U.S. Govt, 55-65; SR. ECONOMIST INT. PROG. ARMS CONTROL & DISARMAMENT AGENCY, DEPT. STATE, 65- Econ. Asn. Eastern Europe and Union of Soviet Socialist Republics; industrial growth. Publ: Industrial expansion in Western & Eastern Europe during the past 25 years, Statist; Austria today, Dun's Rev. Address: 3013 Dumbarton Ave. N.W., Washington, D.C. 20007.

SIVERS, DR. W(ILLIAM) A(LBERT), b. Albany, N.Y., Mar. 17, 17; m. 51; c. 4. PSYCHOLOGY. B.S. State Univ. N.Y. Teachers Col.(Albany), 39, M.S., 47; Ph.D.(psychol), Syracuse, 53. Prof. child develop, State Univ. N.Y. Teachers Col.(Oneonta), 53-54; dir. psychol. serv. dept, Bd. Ed, Rochester, N.Y., 54-55; CHIEF BUR. PSYCHOL. SERV, STATE DEPT. ED, N.Y., 55- Lectr, St. Bernardine of Siena Col, 64- U.S.N., 41-46, Lt. Psychol. Asn; Personnel & Guid. Asn. School and clinical psychology; education. Address: 10 Juniper Dr, Elmore, N.Y. 12065.

SIVIN, DR. NATHAN, Hist. of Sci, Chinese Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SIVLEY, DR. ROBERT B(ENTON), b. Chattanooga, Tenn, Feb. 2, 34; m. 60; c. 3. PSYCHOLOGY. B.A., David Lipscomb Col, 55, M.A., Peabody Col, 56, Ph.D. 60. Chief psychologist, Cent. State Hosp, 60-61; chief counseling psychol, Vet. Admin. Hosp, Murfreesboro, Tenn, 61-67; DIR. PSYCHOL. SERV, PENNSYLVANIA REGIONAL MENTAL HEALTH CENTER, HOPKINSVILLE, KY, 67- Vis. lectr, vis. scientist prog, Univ. Kentucky & Hopkinsville Community Col, 68. Psychol. Asn; Nat. Rehab. Asn. Community mental health; self-concept; prognosis. Address: 131 S. Sunset Circle, Hopkinsville, Ky. 42240.

SIZELOVE, PROF. OLIVER JAMES, b. Irvington, N.J., July 16, 11; m. 36; c. 3. INDUSTRIAL MANAGEMENT. B.S. Newark Col. Eng, 34; M.S. N.Y. Univ, 44. Asst. instr. indust. eng, NEWARK COL. ENG, 36-38, instr, 38-40, asst. prof, 40-44, assoc. prof, 44-48, prof. MGT. ENG, 48-65, DISTINGUISHED PROF, 65-, CHMN. DEPT, 52-, acting chmn. dept. indust. eng, 42-46, exec. assoc. dept. mgt. & personnel, 46-52. Vis. prof, Stevens Inst. Tech, 50-52; tech. arbitrator, State Mediation Bd, N.J., 52- Soc. Adv. Mgt. (int. pres, 66); fel. Soc. Mech. Eng. Management of research, manufacturing and science. Address: Dept. of Management Engineering, Newark College of Engineering, 323 High St, Newark, N.J. 07102.

SIZEMORE, PROF. ORAL GLEN, b. Macomb, Okla, Nov. 19, 27; m. 59; c. 2. PSYCHOLOGY. A.B. E.Cent. State Col, 49; M.S. Indiana, 50; Kellogg Found. grant & Ed.D.(ed. admin, psychol), Okla. State, 61. Teacher, pub. schs, Okla, 52-54; instr. jet-mech, U.S. Dept. Air Force, 55-56; PROF. PSYCHOLOGY, NORTHEAST STATE COL, 56- Participant, Nat. Sci. Found. Summer Inst. Teachers Psychol, Univ. Iowa, 62; U.S. Dept. Health, Ed. & Welfare res. grant, 68-69. U.S.A., 45-47; U.S.A.F.R. Maj. Psychol. Asn. Attitude change and achievement motivation. Address: 930 Grand, Tahlequah, Okla. 74464.

SIZER, PROF. LEONARD M, b. Council Bluffs, Iowa, July 28, 13; m. 44; c. 2. RURAL SOCIOLOGY. B.A. Ottawa (Kans), 38; B.D. Andover Newton Theol. Sch, 40; M.A. Wisconsin, 50; Ph.D.(sociol), Iowa, 54. Asst. prof. rural church, Bangor Theol. Sem, 52-55; ASSOC. PROF. SOCIOLOGY, WEST VIR-

GINIA, 55- V-pres, Nat. Coun. State Cmtes. Children & Youth. U.S.A, 42-46, Capt. Sociol. Asn; Rural Sociol. Soc; Pop. Asn; Soc. Sci. Study Relig. Influence of population change upon agriculture and rural community life; community development behavior. Publ: County study data book: measures of social changes in West Virginia; Relation of knowledge to the adoption of recommended practices; co-auth, Rural industrialization, a case study in educational values and attitudes, Agr. Exp. Sta. Bull, West Virginia, 3/66. Address: Dept. of Sociology, West Virginia University, Morgantown, W.Va. 26506.

SJO, PROF. JOHN B(ERNARD), b. Falun, Kans, Sept. 4, 23; m. 51; c. 2. AGRICULTURAL ECONOMICS. B.S. Kansas State, 50, M.S., 52; Ph.D. Mich. State, 60. Asst. instr. agr. econ, Kansas State, 50-52; for. serv. officer agr, U.S. Dept. State, 52-53; instr. AGR. ECON, Kansas State, 53-57, asst. prof, 57-61, assoc. prof, 61-64; prof. & head dept, Ahmadu Bello Univ, Nigeria, 64-66; PROF, KANSAS STATE, 67- Agr. Econ. Asn. Technological impact on Kansas agriculture. Address: Dept. of Economics, Kansas State University, Manhattan, Kans. 66502.

SJOBERG, PROF. GIDEON, b. Calif, Aug. 22. SOCIOLOGY. A.B. New Mexico, 46, A.M., 47; fel, State Col. Wash, 47-49, Ph.D. 49. Asst. prof. SOCIOLOGY, TEXAS, 49-56, assoc. prof, 56-66, PROF, 66- Sociol. Asn. World urbanization; research methods and methodology. Publ: The preindustrial city: past and present; ed, Ethics, politics and social research, Schenkman, 67; co-auth, A methodology for social research, Harper & Row, 68. Address: Dept. of Sociology, University of Texas, Austin, Tex. 78712.

SKAGER, DR. RODNEY WILLIAM, b. Los Angeles, Calif, Sept. 16, 32; m. 58; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. Redlands, 54; M.A. California, Los Angeles, 59, Ph.D.(psychol), 61. Res. psychologist, Ed. Testing Serv, 61-65; res. psychologist, Am. Col. Testing Prog. & asst. prof. psychol, Iowa, 65-66; PROG. DIR, CENTER STUDY EVAL. INSTRUCTIONAL PROGS. & ASST. PROF. PSYCHOL, GRAD. SCH. ED, CALIFORNIA, LOS ANGELES, 66- Carnegie Corp. res. grant, 62-65. Consult, off. compensatory ed, bur. intergroup rels, Calif. Dept. Ed, 68. U.S.A, 54-56. Psychol. Asn; Ed. Res. Asn; Nat. Coun. Measurement in Ed. Evaluation of instruction. Publ: Co-auth, Research and educational change, Scott-Foresman, (in press), The wonderful, machine-scorable creativity test, Col. Bd. Rev, fall 65 & The multidimensional scaling of a set of artistic drawings, Multivariate Behav. Res, 10/66. Address: Graduate School of Education, University of California, Los Angeles, Calif. 90024.

SKAGGS, ALLEN H(OWARD), b. Jodie, W.Va, Aug. 1, 24; m. 50; c. 3. ECONOMICS, MARKETING. B.A. Texas, 49, M.A., 51. Economist, U.S. Govt, D.C, 52-57; opers. res. analyst, Convair, Gen. Dynamics Corp, Tex, 57-58; mgr. requirements res, Tex. Instruments, 58-59; mgr. planning res, Radio Corp. Am, Camden, 60-64; proj. mgr, Inst. Defense Anal, Wash, D.C, 64-65; DIR. PLANNING & PROG, DEPT. OF TRANSPORTATION, U.S. GOVT, WASH, D.C, 65- Lectr, Texas Christian, 58-59. U.S.N., 43-46. Econ. Asn; Nat. Asn. Bus. Econ; Mkt. Asn. Economics of air and railroad transportation; economics and marketing in electronic industry; business planning. Publ: Co-auth, Defense-space market research, M.I.T. Press, 64; auth, Long-run changes in the electronics industry, Nat. Asn. Bus. Econ, 64; Economics of the railroad industry in the postwar era. Address: 3606 Bent Branch Court, Falls Church, Va. 22041.

SKAIFE, DR. AUDREY M(AE), b. Regina, Sask, July 1, 21; U.S. citizen. PSYCHOLOGY. B.A. Saskatchewan, 43; San Jose State Col, 59-61; M.A. Oregon, 63, Ph.D.(psychol), 66. ASST. PROF. PSYCHOL, WIS. STATE, OSHKOSH, 66- Psychol. Asn. Psychology of music; development and changes in musical preferences. Publ: The role of deviation and complexity in changing musical taste, Proc. Am. Psychol. Asn, 67. Address: Dept. of Psychology, Wisconsin State University, Oshkosh, Wis. 54902.

SKALA, PROF. HUGO M(ICHAE), b. Tabor, Bohemia, Czech, Feb. 9, 97. ECONOMICS. LL.D. Charles Univ, Czech, 19. Attorney at law, Czech, 20-38; mem. staff, dept. acct, Armstrong Motors, Eng, 39-41; econ. adv. Ministry of Finance, Czech. Govt, Eng, 42-45; head div. econ, Ministry of Finance, Czech, 45-48; prof. ECON, Atlanta, 50-62, head dept, 50-55; PROF, FAIRLEIGH DICKINSON, 62- Chmn, Democratic Cmt. Aid to Refugees of Nazi Oppression, Czech, 34-38; mem. adv. coun, Inst. Mediterranean Affairs, 68- Econ. Asn; Finance Asn. Social and economic development of the Iron Curtain; economic background of the nationalization of industry; economic growth of Georgia during last decade. Publ: Nationalization as an economic phenomenon; Planning for destruction, Fortune; The terror in Czechoslovakia, New Repub. Address: Dept. of Social Science, Fairleigh Dickinson University, Rutherford, N.J. 07070.

SKALSKI, DR. JOHN M(ICHAE), b. Buffalo, N.Y., June 20, 29; m. 59. EDUCATIONAL PSYCHOLOGY, MEASUREMENTS. A.B. Canisius Col, 51, Ed.M., 52; Ph.D.(psychol), Fordham, 57. Teacher, Bishop Timon High Sch, 51-52; asst. ED. PSYCHOL, Fordham, 52-54; instr, Canisius Col, 54-57; ASST. PROF, FORDHAM, 57-, DIR. ED. RES. TRAINING PROGS, 66-, acting chmn. dept. ed. psychol, measurements & guid, summer session, 65. Regional coordinator & rep, Nat. Sci. Found. Projs, Univ. Pittsburgh & Am. Insts. Res, 60-, sr. res. affiliate, commun. res. prog, Am. Insts. Res, 67; regional v-pres, Canisius Col. Alumni Asn, 60-; asst. exam. bd. exam, Bd. Ed. New York, 65-, eval. res. consult, bur. community ed, div. spec. serv. in conjunction with prog. of Spec. Proj-Head Start Parents' Adult Basic Ed. Proj, 67-; consult, Union-Free Sch. Dist. 25, Merrick, N.Y., 66-67; adv. bd. mem, Salesian Col, N.J., 67- AAAS; Psychol. Asn; Personnel & Guid. Asn; Ed. Res. Asn; Nat. Coun. Measurement in Ed; Nat. Ed. Asn. Creativity; teaching efficiency; personality measurement; learning theories; teaching machines; character formation; guidance. Address: 214 Studley St, Brentwood, N.Y. 11717.

SKARDON, DR. ALVIN WILSON, JR, Am. Urban Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SKARLAND, PROF. IVAR, Anthropol, see 10th ed, Soc. & Behav. Vols, deceased.

SKEATH, PROF. J(AMES) MILTON, b. Mahanoy City, Pa, May 23, 98; m. 22; c. 1. **PSYCHOLOGY**. A.B. Dickinson Col, 21; M.A. Pennsylvania, 29; Ph.D. (psychol), Pa. State, 52; hon. Litt.D. Lycoming Col, 67. Instr. math. & psychol, Williamsport-Dickinson Sem, 21-29; dean jr. col, 29-33, 43-47; prof. **PSYCHOL**, LYCOMING COL, 47-67, **EMER. PROF**, 67- Psychol. Assn. Social adjustment. Publ: Social maladjustment as a discrepancy between social needs and social activities. Address: R.D. 2, Montoursville, Pa. 17754.

SKEELS, DR. HAROLD M(ANVILLE), b. Denver, Colo, Mar. 8, 01; m. **CLINICAL PSYCHOLOGY**. B.S. Iowa State Col, 27; M.A. Iowa, 30, Ph.D. (psychol), 32. Asst. child welfare res. sta, Iowa, 28-32, res. assoc, 32-36, asst. prof, 36-41, assoc. prof, 41-46; asst. br. chief clin. psychologist, br. off. Vet. Admin, 46-47, br. chief clin. psychologist, 47-49; consult, U.S. Pub. Health Serv, San Francisco, Calif, 49-53, Nat. Inst. Ment. Health, Md, 53-65, scientist-dir. spec. prog. develop. sect, community res. & serv. br, 65; **CLIN. PSYCHOL. CONSULT**, 65- Psychologist, State Orphanages, Iowa, 32-34; dir. div. psychol. serv, Bd. Control State Insts, 34-46. Consult, socio-behav. lab, Pac. State Hosp, Pomona, Calif, 65-; Children's Home Soc. of Calif, 67- Distinguished lect, Southern California, 66. U.S.A.A.F, 42-45. **AAAS**, fel. Psychol. Assn. (Hall award, 67); fel. Assn. Ment. Deficiency; fel. Orthopsychiat. Assn. Mental growth of children in adoptive homes, from underprivileged homes and in institutions; operations research in mental health. Publ: Co-auth, Evaluation in mental health, Pub. Health Serv. Pub, 413, 55; Techniques for a high yield follow-up study in the field, Pub. Health Reports, 65; auth, Adult status of children with contrasting early life experiences, Monogr. Soc. Res. Child Develop, Serial 105: Vol. 31: 3, 66. Address: 310 Fernando St, Balboa, Calif. 92661.

SKEELS, PROF. JACK W(ILLIAM), b. Wausau, Wis, Nov. 3, 29; m. 56; c. 2. **ECONOMICS**. B.A. Wisconsin, 52, Ph.D. 57. Asst. prof. **ECON**, Mich. State, 57-59; Wayne State, 59-63; assoc. prof, **NORTHERN ILLINOIS**, 63-65, **PROF**, 65- Asst. prof, Michigan, 61, summer, 59. U.S.N., 52-54. **Econ. Assn.** Indust. Rel. Res. Assn; **Econ. Hist. Assn**; **Asn. Comp. Econ.** (secy-treas, 64-). Labor economics; comparative economics; welfare. Publ: Labor and welfare, In: Social work yearbook; Background to UAW factionalism, In: Labor history; co-auth, Publish or perish, South. Econ. J, 6/68. Address: Dept. of Economics, Northern Illinois University, De Kalb, Ill. 60115.

SKEEN, PROF. ROY L, b. Ames, Colo, Oct. 27, 98; m. 25; c. 3. **PSYCHOLOGY**. B.S. Willamette, 23; M.A. Washington (Seattle), 28; Ed.D. Stanford, 48. Instr. **PSYCHOL**, **EAST ORE. COL**, 30-36, asst. prof, 37-41, assoc. prof, 42-47, **PROF**, 48- U.S.A., 18. Nat. Coun. Measurement in Ed. Problems in curriculum in higher education; application of psychology to the classroom; history of education in Oregon. Publ: An evaluation of psychological topics; A college formulates its objectives, J. Higher Ed; Community study and educational administration. Address: Dept. of Psychology, Eastern Oregon College, La Grande, Ore. 97850.

SKEHAN, DR. JOSEPH T, b. Lowell, Mass, July 13, 24; m. 56; c. 2. **ECONOMICS**. B.A. Syracuse, 47; Fulbright scholar, Louvain, 49-50; dipl, Heidelberg, 50; Ph.D. (econ), Georgetown, 64. Admin. technician, bur. budget, Exec. Off. President, 48-49; bur. analyst, res. center, U.S. Naval Ord. Test. Sta, 49; int. cmt. secy, sci. res. & mil. div, U.S. For. Serv, Germany, 51-52, migration officer, U.S. Escapee Prog, 52-54, chief statist. & report sect, 54-58; teacher, Montgomery County Bd. Ed, 57-58; instr. **ECON**, Georgetown, 58-64; asst. prof, U.S. Naval Acad, 64-65; **ASSOC. PROF**, **SETON HALL**, 65- Lectr, Annual Post Cana Conf, Georgetown, 66. U.S.N.R, 43-46, Lt. (jg). **Econ. Assn**; **Acad. Polit. & Soc. Sci.** Production functions for United States higher education; economics of education. Publ: Socio-economic and structural aspects of higher education in New Jersey, Pub. Hearings on N.J. Bill, S-43 4 on Higher Ed, 8/66; Comparative grievance procedures in higher education, Bernstein Cmn. Public Hearing of N.J. Gov. Cmn, 7/67; A faculty view on community in the university, Nat. Cath. Ed. Assn. Bull, spring 68. Address: 176 Tichenor Ave, South Orange, N.J. 07079.

SKEHAN, PHILIP CYPRIAN, O.P. b. Anderson, Ind, Sept. 20, 01. **POLITICAL SCIENCE**. LL.B. Fordham, 25; A.B. Providence Col, 29, hon. LL.D., 63; LL.M. Catholic Univ, 38. **PROF. POLIT. SCI**, **PROVIDENCE COL**, 33- U.S.N.R, 43-46, Lt. Comdr. Law; constitutional law; introduction to law. Address: Dept. of Political Science, Providence College, Providence, R.I. 02918.

SKELLY, DR. CLYDE G(ORDON), b. Dover, N.H, May 7, 23. **PSYCHOLOGY**. B.A. New Hampshire, 49, M.A., 50; Oklahoma, 51-52; dipl, Connecticut, 57, Ph.D. 61. Psychol. intern, State Hosp, N.H, 49; psychologist, Danvers State Hosp, 50-51; sch. psychologist, Portsmouth Pub. Schs, 55-62; **DIST. PSYCHOLOGIST**, **REGIONAL SCH. SERV. CENTER**, **FALLS VILLAGE, CONN**, 62- Instr. exten. serv, New Hampshire, 58- Private practice, 55- U.S.N., 43-46. Psychol. Assn; Personnel & Guid. Assn; Interam. Soc. Psychol. Problem solving; psychology of thinking; counseling; psychotherapy. Publ: Effects of music on the general activity of apathetic schizophrenics, J. Abnorm. & Soc. Psychol. Address: 8 Lincoln St, Dover, N.H. 03820.

SKEOCH, PROF. L(AWRENCE) A(LEXANDER), b. Russell, Man, May 23, 10; m. 43. **ECONOMICS**. B.A. McMaster, 32; M.A. Toronto, 39; univ. fel, California, 40-41, Booth fel. & Ph.D. (econ), 51. Prin, La Fleche High Sch, 32-37; asst. econ, Toronto, 37-40, lectr, 42-45; sr. economist, Can. Wheat Bd, 41-46; acting chief UNRRA Mission, Ukraine, 46-47; lectr. econ, California, 47-50; sr. economist, combines br, Govt. of Can, 51-57; from assoc. prof. to **PROF. ECON**, **QUEEN'S (ONT)**, 57- Lectr, Manitoba, 41-42; Can. Coun. study award, 60. Am. Econ. Assn; Can. Polit. Sci. Assn; Royal Econ. Soc. Industrial organization and public policy, especially price discrimination, resale price maintenance and mergers; Soviet agriculture; cyclical fluctuations. Publ: Discriminatory pricing practices in the grocery trade; Loss-leader selling; Combines Investigation Act: its intent and application, Can. J. Econ. & Polit. Sci. Address: Dept. of Economics, Queen's University, Kingston, Ont, Can.

SKEWES-COX, PROF. BENNET, b. Valparaiso, Chile, Dec. 12, 18; nat; m. 48; c. 3. **POLITICAL SCIENCE**, **INTERNATIONAL RELATIONS**. B.A. California, 40; B.B.A. Golden Gate Col, 54; M.A. Georgetown, 48. In main office,

Adolfo Ibañez y Compañía, Chile, 40; asst. press officer, U.S. For. Serv, Am. Embassy, Chile, 41-43; state exec. dir, United World Fed, Calif, 48-50; acct, Dalton, Graupner & Barber, 54-55; J.R. Strachan, 58-59; **ASST. PROF. INT. RELS**, **SAN FRANCISCO STATE COL**, 60- Pub. acct, 59- U.S.N.R, 43-46, Lt. (jg). Am. Polit. Sci. Assn; Soc. Int. Law; Fedn. Am. Sci; Am. Acct. Assn; Int. Polit. Sci. Assn; Int. Studies Assn. International relations, organization, law and politics; American government and politics; public opinion and propaganda; teaching of world studies. Publ: Co-auth, Prospects for peace, with special emphasis on United States-Soviet relations; ed, Our atomic future; auth, The U.N. from league to government, Phillips Sci. Press, 65. Address: Monte Alegre, Box 145, Ross, Calif. 94957.

SKIDMORE, DR. MAX J(OSEPH), b. Springfield, Mo. Dec. 25, 33; m. 54; c. 1. **POLITICAL SCIENCE**. B.S. (music) & B.S. (ed), Southwest Mo. State Col, 56; M.Ed. Missouri, 56; Ph.D. (Am. studies), Minnesota, 64. Teacher, pub. schs, Mo, 54-55; supt. schs, Camden County, 56-57; mgt. analyst, soc. security admin, Dept. Health, Ed. & Welfare, 59-62, admin. asst, Off. Cmnr. Welfare, 62-65, prog. rev. officer, ed. res, U.S. Off. Ed, 64-65; assoc. prof. polit. sci. & dir. Am. studies, Alabama, 65-68; **PROF. POLIT. SCI. & HEAD DEPT. POLIT. SCI. & PHILOS**, **SOUTHWEST MO. STATE COL**, 68- Polit. Sci. Assn; Am. Studies Assn; Hist. Assn. American studies; American social legislation; comparative government; American political thought; technology and culture. Publ: The battle for medicare, Univ. Alabama, 68. Address: Dept. of Political Science, Southwest Missouri State College, Springfield, Mo. 65802.

SKIDMORE, DR. REX A(USTIN), b. Salt Lake City, Utah, Dec. 31, 14; m. 39; c. 2. **SOCIOLOGY**, **SOCIAL WORK**. A.B. Utah, 38, A.M. 39, Harrison scholar, & fel, Pennsylvania, 39-41, Ph.D. 41. Asst. instr, Pennsylvania, 41; instr, Utah State Agr. Col, 41-43; spec. agent, Fed. Bur. Invest, 43-46; **PROF. SOCIOL. & SOC. WORK**, **UTAH**, 46- DEAN **GRAD. SCH. SOC. WORK**, 56- Mem. Nat. Adv. Coun. Correctional Manpower & Training, 66-69. Marriage and family counseling; juvenile delinquency; marriage relationships. Publ: Building your marriage; Youth, love and marriage; Marriage consulting. Address: 1444 S. 20th St. E, Salt Lake City, Utah 84108.

SKIDMORE, DR. THOMAS E, Latin Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SKILLING, PROF. H(AROLD) GORDON, b. Toronto, Ont, Feb. 28, 12; m. 37; c. 2. **POLITICAL SCIENCE**. B.A. Toronto, 34; Rhodes scholar, 34; B.A. Oxford, 36, M.A., 40; Ph.D. (European hist), London, 40; hon. M.A. Dartmouth Col, 51. Asst. depts. econ. & hist, United Col, Winnipeg, 40-41; asst. prof. polit. sci, Wisconsin, 41-47; govt, Dartmouth Col, 47-51, **PROF**, 51-59; **POLIT. SCI**, **TORONTO**, 59- DIR. **CENTRE RUSSIAN & EUROPEAN STUDIES**, 63- Supvr. Cent. European Sect, int. serv, Can. Broadcasting Corp, 44-45; commentator, Trans-Can. Network, 46-47; Soc. Sci. Res. Coun. res. fel, 48, 61-62; sr. fel, Russian Inst, Columbia, 49-51, vis. prof, 52-53; Can. Coun. res. fel, 61-62. Polit. Sci. Assn. Czechoslovakian history and communism; comparative communism in eastern Europe. Publ: Canadian representation abroad; Communism, national and international; The government of Communist East Europe. Address: 90 Cheritan Ave, Toronto 12, Ont, Can.

SKINNER, PROF. B(URRHUS) F(REDERIC), b. Susquehanna, Pa, Mar. 20, 04; m. 36; c. 2. **EXPERIMENTAL PSYCHOLOGY**. A.B. Hamilton Col, 26, hon. Sc.D. 51; M.A. Harvard, 30, Ph.D. (psychol), 31; Sc.D. N.C. State, 60; Litt.D. Ripon Col, 62; Sc.D. Chicago, 67. Nat. Res. Coun. fel. **PSYCHOL**, Harvard, 31-33, mem. soc. fcls, 33-36; instr, Minnesota, 36-37, asst. prof, 37-39, assoc. prof, 39-45; prof, Indiana, 45-48; **HARVARD**, 48-60, **EDGAR PIERCE PROF**, 60-, James lectr, 47. Guggenheim Found. fel, 44-45. Nat. Acad. Sci; Am. Acad. Arts & Sci; Psychol. Assn. (award, 58). Analysis of behavior in lower organisms and man; verbal behavior; programmed instruction. Publ: Behavior of organisms, 38 & The technology of teaching, 68, Appleton; Science and human behavior, Macmillan, 53. Address: William James Hall, Harvard University, 33 Kirkland St, Cambridge, Mass. 02138.

SKINNER, PROF. C(HARLES) E(DWARD), b. Newark, Ohio, Apr. 24, 91; m. 17; c. 2. **EDUCATIONAL PSYCHOLOGY**. B.S. Ed, Ohio, 14; Cornell, 14; A.M. Chicago, 16; Columbia, 22-23; Ph.D. (psychol), N.Y. Univ, 23. Instr. psychol, Ohio, 14-16, asst. prof, 16-17; prof, Mt. Union Col, 19-20; prof, Pa. State Norm. Sch. Indiana, 20-22; instr, N.Y. Univ, 22-23; prof, Miami (Ohio), 23-25; asst. prof. ed. psychol, N.Y. UNIV, 25-28, assoc. prof, 28-30, prof, ED, 30-56, **EMER. PROF**, 56- Vis. prof, Southern Illinois, 56-58, 59-65; vis. prof, Kent State & lectr, Western Reserve, 58-59; vis. prof, Otterbein Col, 65-66; Slippery Rock State Col, 66; Westminster Col, 66-67. Private practice, 67- U.S.A., 18-19, Lt. Fel. Psychol. Assn. Child and adolescent psychology; mental hygiene; counseling. Address: 703 W. Church St, Galion, Ohio 44833.

SKINNER, PROF. G(EOERGE) WILLIAM, b. Oakland, Calif, Feb. 14, 25; m. 51; c. 4. **CULTURAL ANTHROPOLOGY**. B.A. Cornell, 47, Soc. Sci. Res. Coun. grant, 49-50, 51-52, Viking Fund fel, 49-50, Ph.D. (anthrop), 54. Instr. sociol. & anthrop, Cornell, 49, field dir. Southeast Asia Prog, 51-55, dir. Cornell Res. Center, Thailand, 51-53, 54-55, res. assoc. Far East Studies, 56-58; asst. prof. sociol, Columbia, 58-60; assoc. prof. **ANTHROP**, Cornell, 60-62, **PROF**, 62-65; **STANFORD**, 65- Mem. exec. cmtes. center int. studies & soc. sci. res. center, Cornell, joint cmt. contemporary China, Am. Coun. Learned Soc. Soc. Sci. Res. Coun; mem. submt. Chinese society, Soc. Sci. Res. Coun. U.S.N.R, 43-46. Fel. Anthropol. Assn; Ethnol. Soc; Asia Soc; Assn. Asian Studies; Soc. Appl. Anthropol. Topical and areal social anthropology. Publ: Society in Thailand: an analytical history; Leadership and power in the Chinese community of Thailand; Change and persistence in Chinese culture overseas: a comparison of Thailand and Java, J. South Seas Soc. Address: Dept. of Anthropology, Stanford University, Stanford, Calif. 94302.

SKINNER, PROF. GORDON S(WETLAND), b. New Britain, Conn, Nov. 9, 24; m. 55; c. 2. **ECONOMICS**. B.S. Boston, 48; M.S. Wisconsin, 49, Ph.D. (econ), 53. Instr. econ, Whitewater State Col, 50-51; asst. Wisconsin, 51-52, instr, 52-53; asst. prof, CINCINNATI, 53-55, assoc. prof. labor rels, 55-61, **PROF. ECON**, 61-, **HEAD DEPT**, 68- Res. assoc, California, Berkeley, 62-63.

U.S.A.A.F. 43-46, Lt. Econ. Asn; Indust. Rels. Res. Asn. Labor law; social security; economic theory; quantitative analysis. Publ: Co-auth, The economic system. Address: 6003 Connecticut Court, Cincinnati, Ohio 45224.

SKINNER, DR. JAMES H, b. Mayfield, Ky, Feb. 23, 09. ANTHROPOLOGY. B.S. U.S.Mil. Acad. 33; William Baynard Cutting fel, Columbia, 63-64, Ph.D.(anthrop), 65; Ogden L. Mills fel. anthrop, Am. Mus. Natural Hist, 64-65. ASST. PROF. ANTHROP, SYRACUSE, 65- U.S.A. 33-59, Col. AAAS: Anthropol Asn; Soc. Archaeol; N.Y. Acad. Sci. Prehistoric archaeology. Address: Dept. of Anthropology, Syracuse University, Syracuse, N.Y. 13210.

SKINNER, PROF. JOHN WILLIAM, b. Washington, D.C. Mar. 11, 21; m. 53; c. 2. ECONOMICS. B.A. Wesleyan, 42; M.A. George Washington, 47, fel, 47-50, Ph.D. 54. Instr. ECON, George Washington, 50-51, 52-53, res. assoc, 51-52; asst. prof. Stetson, 53-55; George Washington, 55-59, assoc. prof, 59-61, PROF. & HEAD DEPT., 61-65; GUELPH, 65- Consult, Human Sci. Res. Inc, 59- U.S.A.A.F. 42-45, Sgt. Am. Econ. Asn; Can. Econ. Asn. Methodology of economics; contemporary economic theory. Address: Dept. of Economics, University of Guelph, Guelph, Ont. Can.

SKINNER, DR. KATHRYN K(ING), Psychol, see 10th ed, Soc. & Behav. Vols.

SKINNER, DR. LAILA, b. Speedsville, N.Y. Mar. 18, 98. PSYCHOLOGY. B.A. MacMurray Col. 21; B.M. Rochester, 23; M.A. Iowa, 30, Eastman fel, 30-32, Ph.D.(psychol), 32. Asst. dir, Cook County Sch. Nursing, 32-35; asst. dean women & assoc. prof. psychol, Ill. State Nor. Univ, 35-36; dean women & assoc. prof. psychol, Allegheny Col, 36-49; personnel dir, Cook County Sch. Nursing, 49-59; dir. admissions & recruitment, Hopkins Hosp. Sch. Nursing, 59-67; SECY. BD. & ADMIN. CHICAGO GRAMMAR & CHOIR SCH, 68- AAAS; Psychol. Asn; fel. Int. Coun. Psychol. Psychology of music; general and clinical psychology; psychometry. Address: 1130 S. Michigan Ave, Chicago, Ill. 60605.

SKINNER, DR. PAUL HEETER, b. New Bethlehem, Pa, Oct. 19, 32; m. 56; c. 1. PSYCHOACOUSTICS, AUDIOLOGY. Ph.D.(audiol), Wayne State, 63. ASSOC. PROF. AUDIOL, ARIZONA, 63- U.S.A. 53-55. Acoustical Soc. Am; Speech & Hearing Asn. Study of evoked cortical potentials to auditory stimuli via summing computer pitch and loudness perception under auditory fatigue; auditory theory. Address: Dept. of Audiology, University of Arizona, Tucson, Ariz. 85721.

SKIPPER, PROF. CHARLES E(DWARD), b. Dayton, Ohio, June 22, 34; m. 59; c. 1. EDUCATIONAL PSYCHOLOGY. B.S. Ohio, 56; M.A. Western Reserve, 58, Ed.D. 63. Teacher, pub. schs, Ohio, 56-59, sch. psychologist, 59-64; PROF. ED. PSYCHOL, MIAMI (OHIO), 64-, ASST. DEAN GRAD. SCH, 67-, invited lectr, univ. reading conf, 67-68. Consult. to sch. dists, Elem. & Sec. Ed, Act Title I & Title III projs, 65-68. U.S.A.R, 56-64, Capt. Psychol. Asn; Ed. Res. Asn. Student personal adjustment; creativity; teacher characteristics. Publ: Case studies in educational psychology, Audio-Visual Serv, Miami Univ, 67; Characteristics of effective elementary teachers, 67 & Competition and failure in suburban schools, 68, Sch. of Ed. Rev. Address: 201 McGuffey Hall, Miami University, Oxford, Ohio 45056.

SKIPPER, DR. JAMES K, JR, b. Columbus, Ohio, Sept. 14, 34; m. 58; c. 2. SOCIOLOGY. B.S. Northern Illinois, 56; M.A. Northwestern, 60, Ph.D. (sociol), 64. Instr. SOCIOL, Northwestern, 60-61; res. asst, Presby. St. Luke's Hosp, Chicago, Ill, 61-63; child study center, Yale, 63-65; asst. prof, CASE WESTERN RESERVE, 65-67, ASSOC. PROF, 67- Consult, Voc. Guid. & Rehab. Serv, Cleveland, 65-67; dent. sch, Case Western Reserve, 66-67; Howard Advert. Agency Inc, 66-67. U.S.A.R, 57-63, Sgt. Medical sociology, role of the hospitalized patient and the process of patient care. Publ: Co-auth, Social interaction and patient care, Lippincott, 65; Sociology and hospital care, Harper, 67; Behavioral science, social practice and the nursing profession, Case Western Reserve, 68. Address: Dept. of Sociology, Case Western Reserve University, Cleveland, Ohio 44106.

SKLAR, DR. MAURICE, b. Warsaw, Poland, May 1, 12; nat; m. 44; c. 1. SPEECH PATHOLOGY, PSYCHOLOGY. B.A. City Col. New York, 35; M.S. Southern California, 50, Ph.D. 57. CHIEF SPEECH PATHOL, VET. ADMIN. HOSP, 47- Lectr, California, Los Angeles, 61- Consult, Kennedy Child Study Center, St. John's Hosp, Santa Monica, Calif, 60- U.S.A.A.F. 42-44. Psychol. Asn; Speech & Hearing Asn. Aphasia, diagnosis and therapy; auditory perception in brain injured children. Publ: Aphasia evaluation summary, West. Speech; Initial communication chart for aphasics. Address: 3553 Moore St, Los Angeles, Calif. 90066.

SKLAR, PROF. RICHARD L, b. New York, N.Y. Mar. 22, 30. POLITICAL SCIENCE. A.B. Utah, 52; Ford Found. for. area training fel, Princeton, 57-59, Ph.D. 61. Instr. polit, Princeton, 60-61; asst. prof, Brandeis, 61-63; lectr. POLIT. SCI, Ibadan, 63-65; adj. assoc. prof, Brandeis, 65-66; sr. lectr, Univ. Zambia, 66-68, PROF, STATE UNIV. N.Y. STONY BROOK, 68- U.S.A. 52-54. Polit. Sci. Asn; African Studies Asn. Politics of developing areas; African area. Publ: Nigerian political parties, Princeton, 63. Address: Dept. of Political Science, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.

SKLARE, DR. MARSHALL, Sociol, see 10th ed, Soc. & Behav. Vols.

SKLODOWSKI, DR. V(LADIMIR) A(NTHONY), Psychol, see ORDON, DR. V(LADIMIR) A(NTHONY).

SKODAK, DR. MARIE (MRS. ORLO L. CRISSEY), b. Lorain, Ohio, Jan. 10, 10; m. 68. PSYCHOLOGY. B.A. & M.A. Ohio State, 31; Budapest, Hungary, 31-32; Ph.D.(clin. psychol), Iowa, 38. Asst. dir, Guid. Center, Mich, 38-42, dir, 42-46; PSYCHOLOGIST, PERSONNEL COUNSELING SERV, 46-; DIR. PSYCHOL. SERV, 49-, Dearborn Schs, 49-68. Lectr, Michigan, 42-60. AAAS; fel. Psychol. Asn; Soc. Res. Child Develop. Mental development; vocational aptitude tests; vocational adjustment of blind. Publ: Children in foster homes; co-auth, Final follow-up of one hundred adopted children. Address: 6317 Morrish Rd, Swartz Creek, Mich. 48473.

SKOGSTAD, DR. SAMUEL LAWTON, b. Eau Claire, Wis, June 6, 34; m. 58; c. 2. ECONOMICS. B.A. Fla. State, 58, M.A. 61; Ph.D.(econ), Washington (St. Louis), 65. Assoc. financial economist, Fed. Reserve Bank of Atlanta, 63-64; asst. prof. ECON, GA. STATE COL, 64-66, ASSOC. PROF, 66- Fel, faculty res. summer seminar quant. methods in financial anal, grad. sch. bus, Chicago, 65; prog. economist, U.S. Agency Int. Develop, Santiago, Chile, 66-67, sr. econ. adv, 67-68. Univ. consult, U.S. Employ. Serv, U.S. Dept. Labor, 65-66. Sig.C, U.S.A. 54-56, Res, 56-62. Econ. Asn. Monetary theory and policy; economic development; labor market analysis. Publ: The demand for bank reserves: alternative approaches, South. J. Bus, 67. Address: Dept. of Economics, Georgia State College, 33 Gilmer St. S.E., Atlanta, Ga. 30303.

SKOK, PROF. RICHARD A(RNOLD), b. St. Paul, Minn, June 19, 28; m. c. 2. FOREST ECONOMICS. B.S. Minnesota, 50, M.F. 54, Ph.D. 60. Asst. prof. FOREST ECON, SCH. FORESTRY, Montana State, 58-59; instr, MINNESOTA, ST. PAUL, 59-60, asst. prof, 60-62, assoc. prof, 62-65, PROF, 65-, ASST. DIR. SCH. FORESTRY, 67- C.Eng, U.S.A. 50-52. Econ. Asn; Soc. Am. Foresters.(secy, 67-68); Agr. Econ. Asn. Forest resource development and products marketing research. Publ: Co-auth, Forestry practice, biological research and economic analysis, 63 & Effectiveness of the Minnesota tree growth tax law, 64, J. Forestry; auth, Obstacles to achieving and maintaining competence and effectiveness in teaching, Proc. Soc. Am. Foresters Meeting, 65. Address: School of Forestry, University of Minnesota, St. Paul, Minn. 55101.

SKOLNICK, DR. ALEC, b. Memphis, Tenn, Nov. 30, 14; m. 42; c. 3. PSYCHIATRY. A.B. Harvard, 36, M.D. 43; M.A. Princeton, 38, Ph.D.(psychol), 39. Res, Winter Vet. Admin, 46-48; asst. dir, Child Guid. Clin. San Mateo, 48-54; ASSOC. CLIN. PROF. PSYCHIAT, SCH. MED, STANFORD, 60- Fel, Menninger Found. Sch. Psychiat, 46-48; instr, San Francisco Psychoanal. Inst. Private practice, 48-; consult, pub. schs, San Mateo, 53-; Child Guid. Clin, 54- Med.C, U.S.A. 44-46. Psychiat. Asn. Physiological and experimental psychology; role of eye movements in the autokinetic phenomenon. Publ: Psychiatric aspects of new Soviet child, Bull. Menninger Clin, 64. Address: 39 San Mateo Dr, San Mateo, Calif. 94401.

SKOLNICK, DR. JEROME HERBERT, Sociol, Law, see 10th ed, Soc. & Behav. Vols.

SKOLNIKOFF, DR. E(UGENE) B(ERTRAM), b. Philadelphia, Pa, Aug. 29, 28; m. 57; c. 3. POLITICAL SCIENCE. S.B. & S.M. Mass. Inst. Tech, 50, Rockefeller Found. scholar. & Ph.D.(polit. sci), 65; Rhodes scholar, Oxford, 50, B.A. & M.A. 52. Engr. Gen. Elec. Corp, 48-50; res. asst. elec. eng, Uppsala, 50; Mass. Inst. Tech, 50, staff asst, indust. liaison off, 52-55; sys. analyst, Inst. Defense Anal, 57-58; mem. White House staff, Off. Spec. Asst. to President for Sci. & Tech, 58-63; res. assoc. & lectr. POLIT. SCI, MASS. INST. TECH, 63-66, assoc. prof, 66-68, PROF, 68- Vis. prof, Fletcher Sch, 65- Consult, Ford Found. & Agency Int. Develop, 63-66; off. sci. & tech, Exec. Off. President, 63-; Carnegie Endowment Int. Peace, 65-66; WGBH TV series, 65-; Orgn. Econ. Coop. & Develop, 65-; Inst. Defense Anal, 67-; U.S. Dept. State, 67- Study group secy, Coun. For. Rels, 65- Fel. AAAS (secy. soc. & econ. sci. sect, 66-); Polit. Sci. Asn; Soc. Int. Develop; Int. Studies Asn. Science and government; science and foreign policy; strategic analysis. Publ: Scientific advice in the State Department, Science, 11/66; Birth and death of an idea: research in A.I.D., Bull. Atomic Scientists, 9/67; The difficult political choices of science, World Polit, 4/68. Address: Dept. of Political Science, E53-417, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

SKONBERG, CARL M(ARLING), b. Paxton, Ill, June 21, 09; m. 37; c. 1. ECONOMICS, MARKETING. Ph.B. Chicago, 32, M.B.A. 41. Secy, Builders & Mfrs. Casualty Co, Ill, 34-38; mem. res. staff, Marshall Field & Co, 38-42, expense asst, 48; economist, Off. Price Admin. & War Prod. Bd, 42-46; defense prod. admin. & small bus. admin, U.S. Dept. State, 49-54; ECONOMIST, BUR. ECON, FED. TRADE CMN, 54- Lectr, American Univ, 61- Mkt. res. specialist, U.S. Chamber Commerce, 46; bus. specialist, Off. Housing Expediter, 47. Econ. Asn; Mkt. Asn; Statist. Asn; Opers. Res. Soc. Business and marketing research in relation to antitrust laws. Address: 6655 Van Winkle Dr, Falls Church, Va. 22044.

SKOUG, DR. KENNETH NORDLY, JR, b. Fargo, N.Dak, Dec. 2, 31; m. 58; c. 1. POLITICAL SCIENCE. A.B. Columbia, 53; Georgetown, 55-56; M.A. George Washington, 57, Ph.D.(polit. sci), 64. Technician, Minn. Civil Serv. Dept, 53-54; FOR. SERV. OFFICER, U.S. DEPT. STATE, D.C. 57-59, Am. Consulate Gen, Munich, Germany, 59-61, Guadalajara, Mex, 61-63, D.C. 63-66, AM. EMBASSY, PRAGUE, CZECH, 67- U.S.A. 54-56. Polit. Sci. Asn. International relations and comparative government; West German social democratic eastern policy. Address: 8320 Ft. Hunt Rd, Alexandria, Va. 22306.

SKRABANEK, DR. R(OBERT) L(EONARD), b. Snook, Tex, Nov. 18, 18; m. 43; c. 2. SOCIOLOGY. B.S. Texas A&M, 42, M.S. 47; Northwestern, 43; Ph.D.(sociol), La. State, 49. PROF. SOCIOL. & CHMN. DIV, TEXAS A&M, 49-; RES. COLLAB, U.S. DEPT. AGR, 56- Fel, Michigan, 59; vis. prof, Southern Methodist, 61; Iliff Sch. Theol, summer 61. Consult, U.S. Agency Int. Develop, Colombia & Ecuador, fall 62; Ford Found, Dominican Repub, summer 63. U.S.N.R, 42-46, Lt. AAAS; fel. Sociol. Asn; Rural Sociol. Soc; Pop. Asn. Demography; rural sociology; Spanish-Americans in United States. Publ: Population change in Texas, 7/64, The Texas aged, 10/66 & Occupational change among Spanish-Americans, 12/66, Tex. Agr. Exp. Sta. Bull. Address: Faculty Exchange, Box 255, College Station, Tex. 77843.

SKRALY, EMILE B, b. New York, N.Y. May 23, 16; m. 61; c. 1. ECONOMICS. B.S.S. City Col. New York, 37, M.S. 39. Jr. economist, U.S. Soc. Security Bd, 41-42; assoc. economist, War Manpower Cmn, 43; economist, Off. Strategic Serv, 43-45; res. analyst, U.S. Dept. Treas, 45-46; res. analyst & consult, U.S. Dept. Army, 46-48; statistician & labor mkt. analyst, DIV. EMPLOY. N.Y. STATE DEPT. LABOR, 49-52, sr. economist, 52-60, ASSOC. ECONOMIST, 60-, head occup. res. & prevailing wage sect, 60, chief labor mkt. anal. prog, 60-63, chief statist. reporting standards sect, 63-66, em-

ploy. progs. consult, 66, res. in manpower training progs, 67. Assoc. Utica Col, 58-60. Consult. Nuremberg War Crime Trials, 46-48; mem. task force, consult. to indust. cmnrs, 67; Citizen's Cmt. Community Planning, Freeport, N.Y. Econ. Asn. Labor; German economic problems; area economic analysis. Publ: Effects upon labor of the St. Lawrence Seaway and power projects; Utica skill survey; Employment in the printing and publishing industry of New York City, N.Y. State Div. Employ, 8/67. Address: 50 E. Woodbine Dr, Freeport, N.Y. 11520.

SKURNIK, DR. W. A. E, b. Binz, Germany, Feb. 13, 26; U.S. citizen; m. 56; c. 2. POLITICAL SCIENCE. B.A. Pennsylvania, 59, univ. scholars, 59-61, M.A. 61, Penfield scholar, 61-62, Ph.D.(polit. sci), 64. Civilian personnel officer, U.S. Armed Forces, Germany, 45-49; chief civic activities, U.S. Dept. State, High Cmn, Hanau Res. Off, 49-50; for. travel consult, Am. Express Co, Pa, 53-58; instr. POLIT. SCI, Pennsylvania, 60-61; Pa. Mil. Col, 62-63, asst. prof, 63-65; COLORADO, 65-68, ASSOC. PROF, 68- Summer res. assoc, grad. sch. int. studies, Denver, 67. U.S.A. 50-51. Polit. Sci. Asn; fel. African Studies Asn. Inter-African and extra-African international behavior of Black Africa; problems of national integration and of political theory. Publ: Co-auth. African political thought; Lumumba, Nkrumah, and Toure, Univ. Denver, Monogr. No. 3 & 4, 68; auth. Ghana and Guinea, 1966—a case study in Inter-African relations, J. Mod. African Studies, 5: 3; France and fragmentation in West Africa, J. African Hist, 8: 2. Address: 835 Mohawk Dr, Boulder, Colo. 80302.

SLACK, DR. CHARLES W(ILLIAM), b. East Orange, N.J., Jan. 2, 29; m. 50; c. 1. PSYCHOLOGY. A.B. Princeton, 50, Ph.D. 54. Instr. psychol, Princeton, 53-55; asst. prof. clin. psychol, Harvard, 55-60; RES. ASSOC. PSYCHOL, Brooklyn Col, 62-64, COLUMBIA TEACHERS COL, COLUMBIA, 67-Consult, Doyle Dane Bernbach, Inc, 65-66; Westinghouse Learning Corp, 65-68; Sperry Gyroscope, 66-67. Contrib. ed, Ed. Tech, 67- Teaching machines; self-instruction; remedial education; adolescence. Address: 52 Warren Place, Montclair, N.J. 07042.

SLACK, DR. WALTER H, b. Joliet, Ill, Dec. 25, 32; m. 59; c. 3. POLITICAL SCIENCE. B.A. Illinois, Champaign, 56, M.A. 60; Ph.D.(polit. sci), Iowa, 65. Reporter, Joliet Herald News, Ill, 57-59; ASSOC. PROF. POLIT. SCI, WESTMINSTER COL. (PA), 63- Political economy; military-political strategy; political philosophy. Publ: The commonwealth of the mind, Philos. Library, 67. Address: 210 Vine Court, New Wilmington, Pa. 16142.

SLADE, DR. COLIN M(CINTOSH), b. Salt Lake City, Utah, Feb. 2, 20; m. 46; c. 3. CLINICAL PSYCHOLOGY. B.A. Syracuse, 49, M.A. 51, Ph.D. 55. Clin. psychologist, Portland Vet. Admin. Hosp, Ore, 57-58; U.S. Pub. Health Serv. fel. med. sch. Oregon, 58-59; CHIEF CLIN. PSYCHOLOGIST, MENT. HYG. CLIN, PORTLAND VET. ADMIN. REGIONAL OFF, 59- Adj. assoc. prof, Oregon, 64- U.S.A.A.F., 41-45, Maj. Psychol. Asn. Individual and group therapy; personality theory. Address: 2338 N.E. 32nd Ave, Portland, Ore. 97212.

SLADEN, DR. WILLIAM J(OSEPH) L(AMBART), Med, Ecol, see 11th ed, Phys. & Biol. Vols.

SLAK, DR. STEFAN, b. Ljubljana, Yugoslavia, Dec. 26, 32; m. 64. PSYCHOLOGY. Dipl. psychol, Paris, 61; M.S. Lehigh, 64; Nat. Insts. Health fel, Wayne State, 64-67, Ph.D.(psychol), 67. ASST. PROF. PSYCHOL, TOLEDO, 67- Psychol. Asn. Phonemic coding in memory and recognition; bivariate thresholds; mathematical models in information processing; effects of environment on performance; relationships of language and thought. Publ: Effects of intermittent illumination on perceptual-motor performance, J. Appl. Psychol, 10/65. Address: Dept. of Psychology, College of Arts & Sciences, University of Toledo, Toledo, Ohio 43606.

SLAKTER, DR. MALCOLM J(ULIAN), b. Syracuse, N.Y., May 23, 29; m. 51; c. 3. EDUCATIONAL STATISTICS. A.B. N.Y. State Col. Teachers, Albany, 59, M.A. 51; Ph.D.(ed), Syracuse, 63. Teacher, Oppenheim-Ephratah Cent. Sch, 51-54; Nottingham High Sch, 54-58; instr. math, Syracuse, 58-63; asst. prof. ED. STATIST, California, Berkeley, 63-65; ASSOC. PROF, STATE UNIV. N.Y. BUFFALO, 65- Ed. Res. Asn; Psychol. Asn; Statist. Asn; Nat. Coun. Measurement in Ed; Psychomet. Soc. Effects of violations of assumptions on statistical tests; measurement and effect of risk taking on objective examinations; measurement and effect of test-wiseness. Publ: A comparison of the Pearson chi-square and Kolmogorov goodness of fit tests, J. Am. Statist. Asn, 65; Comparative validity of the chi-square and two modified chi-square goodness of fit tests, Biometrika, 66; Risk taking on objective examinations, Am. Ed. Res. J, 67. Address: Dept. of Educational Psychology, State University of New York at Buffalo, Buffalo, N.Y. 14214.

SLAMECKA, PROF. NORMAN JOSEPH, Exp. Psychol, see 10th ed, Soc. & Behav. Vols.

SLANETZ, DR. NANCY EDWARDS, Polit. Sci, see 10th ed, Soc. & Behav. Vols.

SLATE, DR. DANIEL M(ICHAEAL), b. Los Angeles, Calif, Feb. 6, 30; m. 54; c. 3. ECONOMICS, MANAGEMENT SCIENCE. B.S. Washington (Seattle), 52, univ. fcls, 55-57, M.A. 56, Ph.D.(econ. theory), 61; Ford Found. summer fel, Stanford, 60. Exec. secy-mgr, Distributors Asn. Seattle, Inc, 55-56; labor & res. economist, Wash. Employers, Inc, 56-57; asst. prof. econ, Hawaii, 57-61, acting dir. econ. res. center, 59-60, assoc. prof. bus. econ, col. bus. admin. & dir. bur. bus. res, 62-63; asst. prof. mkt. & assoc. dir. exec. develop. in mass mkt. mgt, grad. sch. bus. Mich. State, 61-63; assoc. prof. grad. sch. bus. admin, Illinois, Urbana, 63-66, assoc. researcher, bur. econ. & bus. res, 63-64, head dept. mkt. 64-66, acting head dept. indust. admin, 66-67; PROF. MKT. & HEAD DEPT. OPERS. & ENVIROM. COL. BUS. ADMIN, NEW MEXICO, 67- Dir. econ. res, Bus. Res. Assocs. of Hawaii, 59-60; dir. opers. res. & indust. rels. & dir. Hawaii Coffee Indus, Inc, 60- U.S.N.R., 52-54, Res. 54-61, Lt.(jg). Econ. Asn; Inst. Mgt. Sci; Mkt. Asn; Indust. Rel. Res. Asn. Administrative economics and competitive processes of the firm. Publ: Economics in action, Wadsworth, 59; Brand

competition in the food processing industry, Little, 66; Older worker adjustment to labor market practices, Indust. & Labor Rel. Rev, 10/57. Address: College of Business Administration, University of New Mexico, Albuquerque, N.Mex. 87106.

SLATER, DR. CAROL W(INIFRED), Soc. Psychol, see 10th ed, Soc. & Behav. Vols.

SLATER, PROF. CHARLES C(LIFFORD), b. Denver, Colo, July 29, 24; m. 44; c. 2. ECONOMICS. B.S. Northwestern, 49, M.A. 54, Ph.D. 56. Asst. prof. mkt. Loyola (Ill), 50-52, 54-55; dir. mkt. res, Omar, Inc, 55-58; consumer mkt. sect, Arthur D. Little, Inc, Cambridge, 58-63, PROF. MKT, Mich. State, 63-68, dir. Latin Am. mkt. planning center, 65-68; COL. BUS, COLORADO, 68- Consult. Participant, U.S. Agency Int. Develop-Mich. State Univ. res. & adv. progs, Recife, Brazil & La Paz, Bolivia. U.S.A. 42-46, 2nd Lt. Econ. Asn; Mkt. Asn; Statist. Asn. Marketing strategy planning; economics of industrial competition. Publ: Baking in America; co-auth. Decision theory and marketing management, 7/62 & auth. Marketing processes in developing Latin American societies, 7/68, J. Mkt. Address: College of Business, University of Colorado, Boulder, Colo. 80302.

SLATER, DR. DAVID W(ALKER), b. Winnipeg, Man, Oct. 17, 21; m. 47; c. 4. ECONOMICS. B.Commerce, Manitoba, 42; B.A. Queen's (Ont), 47; M.A. Chicago, 50, Ph.D. 57. Instr. ECON, Stanford, 50-52; asst. prof. QUEEN'S (ONT), 52-58, assoc. prof, 58-61, PROF, 61-, DEAN GRAD. STUDIES, 68-Can. Coun. sr. fel, 64-65. Econ. consult, Royal Cmn. Taxation, 63-64. Ed, Can. Banker, 59- Mem. staff, Royal Cmn. on Can. Econ. Prospects, 55-56; Cmt. Univ. Affairs, Prov. Ont, 67- Can. Army, 42-45. Am. Econ. Asn; Statist. Asn; Economet. Soc; Can. Econ. Asn. International economics; money and banking; applied economics; business cycles. Publ: Canada's imports; Canada's balance of international payments—when is a deficit a problem?, Can. Trade Cmt. Private Planning Asn. Can, 64; Perspective on Canada's international payments, Econ. Coun. Can, 66. Address: Dept. of Economics, Queen's University, Kingston, Ont, Can.

SLATER, DR. GEORGE RICHARD, b. Indianapolis, Ind, Feb. 13, 24; m. 45; c. 3. ECONOMICS, FINANCE. B.S. Purdue, 46, M.S. 57, Ph.D.(econ), 63. Mgr. serv. br. Opekasit, Inc, Ohio, 46-50; mfg. dept. guide dir, Gen. Motors Corp, Ind, 50-55; instr. dept. agr. econ, Purdue, 55-57; head dept. econ, Allis-Chalmers Mfg. Co, Wis, 57-60; v.pres, Citizens Nat. Bank Decatur, Ill, 60-64; V.PRES, HARRIS TRUST & SAVINGS BANK, 64- Lectr, nat. trust sch, Northwestern, 61 & 62- Dir, Chicago Area Res. & Develop. Coun, 65- U.S.A. 43-46, Res, 47-48, 1st Lt. Econ. Asn; Finance Asn; Agr. Econ. Asn; Asn. Bus. Econ. Business forecasting; corporation finance; market structure; public policy. Publ: Costs and returns of sprinkler irrigation in southwestern Indiana, Purdue Exp. Sta. Pub; Relative market power of farm machinery manufacturers, J. Farm Econ. Address: Harris Trust & Savings Bank, 111 W. Monroe St, Chicago, Ill. 60690.

SLATER, DR. JEROME N(ORMAN), b. New York, N.Y., Apr. 14, 35; m. 62. POLITICAL SCIENCE. B.A. Alfred, 56; M.A. Yale, 58; Ph.D.(polit. sci), Princeton, 65. Vis. lectr. POLIT. SCI, Ohio State, 63-65, ASST. PROF, 65-66; STATE UNIV. N.Y. BUFFALO, 66- Merston Cmt. Nat. Security fel, 65; Cmt. Int. Orgn-Soc. Sci. Res. Coun. res. grant, 67-68; vis. scholar, Brookings Inst, 67-68. U.S.N.R., 57-60, Lt.(jg). Polit. Sci. Asn; Int. Studies Asn. American foreign policy, international organization. Publ: A reevaluation of collective security, 65 & The organization of American States and United States foreign policy, 67, Ohio State Univ; Recent United States policy in Latin America, Yale Rev, winter 65. Address: Dept. of Political Science, State University of New York at Buffalo, Buffalo, N.Y. 14226.

SLATER, DR. LEON B(ECHER), Psychol, see 10th ed, Soc. & Behav. Vols.

SLATER, LIONEL, b. New York, N.Y., June 6, 22; m. 56. INDUSTRIAL PSYCHOLOGY. B.A. Middlebury Col, 48; M.A. N.Y. Univ, 53. Staff researcher, Richardson, Bellows, Henry & Co, 53-55; asst. plant job instr, Continental Can Co, 55-56; eng. psychologist, Dunlap & Assocs. Inc, 56-62; Performance Res. Inc, 62-63; PRES, SLATER ASSOCS, INC, 64- U.S.N.R., 42-60, Lt.(jg). Psychol. Asn; Human Factors Soc; Asn. Aviation Psychol; Brit. Ergonomics Res. Soc. Development, evaluation and testing of psychological test batteries; analysis of personnel subsystem requirements in weapon system development; use of teaching machines in training; construction of proficiency tests; human factors; computer technology. Address: 79 Perry St, New York, N.Y. 10014.

SLATER, DR. MARIAM KREISELMAN, b. Akron, Ohio, Dec. 18, 22; m. 59. CULTURAL ANTHROPOLOGY. A.B. Bryn Mawr Col, 44; Res. intern grant, Columbia, 56, Ph.D.(anthrop), 58. Researcher, Life Mag, 47-49; instr. ANTHROP, QUEENS COL.(N.Y.), 57-64, asst. prof, 64-67, ASSOC. PROF, 68- Ford Found. fel, Tanzania, Africa, 62-63. Anthrop. Asn. General theory and social structure; Martinique; social change in a tribe of pastoralists in Tanganyika. Publ: Ecological factors in the origin of incest, Am. Anthropol, Oedipus and Job in East Africa, Proc. N.Y. Acad. Sci, 66; Primate parallels and bio-cultural models, Sci. & Psychoanal, 68. Address: Dept. of Anthropology, Queens College, Flushing, N.Y. 11367.

SLATER, DR. PHILIP ELLIOT, b. Riverton, N.J., May 15, 27; m. 62; c. 4. SOCIOLOGY. A.B. Harvard, 50, Ph.D.(sociol), 55. Instr. soc. rels, Harvard, 55-58, lectr, 58-61; asst. prof. SOCIOL, BRANDEIS, 61-64, assoc. prof, 64-68, PROF, 68- Family; small groups. Publ: Microcosm, Wiley, 66; co-auth. The temporary society, Harper, 68; auth. The glory of Hera, Beacon, 68. Address: Dept. of Sociology, Brandeis University, Waltham, Mass. 02154.

SLATER, DR. RICHARD D(EAN), b. Peoria, Ill, Dec. 4, 29; m. 52; c. 3. EDUCATIONAL PSYCHOLOGY. B.S. Bradley, 51, M.A. 52; Ed.D. Houston, 61. Intern. Peoria State Hosp, 52; counsr, Houston, 54-60; teacher, HOUSTON PUB. SCS, 55-59, jr. high counsr, 59-60, psychologist, 60-61, asst. dir. psychol. serv, 61-62, dir. psychol. serv, 62-63, asst. supt. in charge spec. serv, 63-68, ASSOC. DEP. SUPT. IN CHARGE DIV. OF CURRICULUM, RES. & PROG. DEVELOP, 68- U.S.A. 52-54. Psychol. Asn; Coun. Measurement

in Ed. Adapting the standard International Business Machine punch card for use as standardized test answer sheets in grades five through twelve; relationships between different forms and different levels of the same standardized test in one particular school district; curriculum research and evaluation; invocations. Publ: About those test scores, 4/65 & Some implications for organization and utilization of psychological services, 9/67, Tex. Outlook. Address: 7426 Redding Rd, Houston, Tex. 77036.

SLATIN, DR. BENJAMIN, b. Newark, N.J., May 16, 19; m. 47; c. 3. ECONOMICS. B.A., N.J. State Teachers Col. (Montclair), 40; M.A., Columbia, 47; Ph.D., N.Y. Univ., 61. Dir. indust. div., Economet. Inst., Inc., 53-58, v. pres., 58-59; ECONOMIST, Am. Paper & Pulp Assn., 59-64, AM. PAPER INST., 64-U.S.A.A.F., 41-45, Lt. Econ. Asn; Statist. Asn; Asn. Bus. Econ. Economic forecasting; economic statistics and econometrics; business cycles and structure of the economy; administration. Publ: United States paper industry; production and capacity, 1966-1975, Indian Pulp & Paper, 7/67; The paper industry in the South: new directions in new mills, South. Pulp & Paper Mfr, 10/67; Paper industry, In: The Americana annual 1968, Americana Corp. Address: 38-23 Leslie Place, Fairlawn, N.J. 07410.

SLATOFF, DR. JACK L(AWRENCE), b. Springfield, Mass., Mar. 6, 31; m. 53; c. 1. CLINICAL PSYCHOLOGY. A.B., Massachusetts, 52, M.S., 54; Ph.D. (clin. psychol.), Boston, 62. Psychol. trainee, Vet. Admin. Hosps., 56-59; staff psychologist, DOUGLAS A. THOMAS CLIN. CHILDREN, 59-62, chief psychologist, 62-67, PROJ. DIR. STUDY OF LEARNING PROBS. CHILDREN, 67- Consult, Kingsley Remedial Sch., Mass., 60; Solomon Schechter Day Sch. & St. Anne's Home, 67-; private practice, 67- U.S.A., 54-56. Psychol. Asn. Training of clinical psychologists to work with children; diagnosis and treatment of children and adults; remediation of learning problems in young children. Address: 20 Oxbow Rd., Lexington, Mass. 02173.

SLAVICK, PROF. FRED, b. Milwaukee, Wis., July 2, 23. ECONOMICS. B.A., Wisconsin, 46, M.A., 47; A.M., Princeton, 49, Ph.D.(econ), 53. Instr. econ., Princeton, 51-53; res. assoc. indust. & labor rels., Cornell, 53-55, asst. prof., 55-57; asst. prof. labor & mgt. & res. dir., Iowa, 57-59; vis. assoc. prof. INDUST. & LABOR RELS., CORNELL, 59-60, assoc. prof., 60-66, PROF., 66- Consult, cmt. res. in gerontol., White House Conf. Aging, 60-61. U.S.A., 43-45. Econ. Asn; Indust. Rels. Res. Asn. Social security and the economics of aging; programs for economic security. Publ: Compulsory and flexible retirement in the American economy, N.Y. State Sch. Indust. & Labor Rels., Cornell, 66; Operation of sickness benefit plans in collective bargaining; Voluntary quit disqualification in unemployment insurance: the Iowa experience. Address: 700 Stewart Ave., Ithaca, N.Y. 14850.

SLAWSON, DR. JOHN, b. Russia, Apr. 16, 96; nat; m. 37; c. 3. SOCIAL PSYCHOLOGY. B.S., Columbia, 19, M.A., 20, Ph.D., 27; hon. L.H.D., Hebrew Union Col.(Ohio), 62. Psychologist, State Dept. Welfare, N.Y., 20-24; asst. dir., Jewish Welfare Fedn. Cleveland, 24-28; exec. dir., Jewish Welfare Fedn. Detroit, 28-32; Jewish Bd. Guardians, 32-43; EXEC. V.PRES., AM. JEWISH CMT. INST. HUMAN RELS., 43- Lectr., Columbia, 66- Consult, children's bur. & soc. security bd., Fed. Security Agency, 42-44; White House Conf. Children & Youth, 60; spec. adv., President's Cmt. Juvenile Delinquency & Youth Crime, 62. Mem. Coun. For. Rels.-World Affairs Center. Sociol. Asn; fel. Psychol. Asn; fel. Orthopsychiat. Asn; Asn. Intergroup Rels. Officials. Psychological and sociological intergroup relations; building a curriculum in intergroup relations. Publ: The delinquent boy; Role of science in intergroup relations, Inst. Human Rels., 62; Mutual aid and the Negro, Commentary, 4/66. Address: 19 E. 88th St., New York, N.Y. 10028.

SLECHTA, PROF. DONALD B(BENJAMIN), b. U.S., May 26, 26; m. 57. POLITICAL SCIENCE, LAW. A.B., Ft. Hays Kans. State Col., 49, M.S., 52; LL.B., Washburn, 56. Instr. speech, eve. col., Washburn, 55, dir. admin., 55-56; attorney law, Earnest, Neumeier & Slechta, Kans., 56-58; instr. POLIT. SCI., Alpena Community Col., 58-59; asst. prof., FT. HAYS KANS. STATE COL., 59-67, ASSOC. PROF., 67- U.S. Merchant Marines, 44-45. Public law; political theory; American government. Address: Dept. of Political Science, Ft. Hays Kansas State College, Hays, Kans. 67602.

SLEIGHT, DR. ROBERT B(ENTON), b. Hemlock, N.Y., Sept. 16, 22; m. 44; c. 1. PSYCHOLOGY. B.Ed., N.Y. State Teachers Col., 46; M.S., Purdue, 47, Ph.D., 49. Asst. prof. & res. psychologist, inst. coop. res., Hopkins, 48-51; res. scientist & consult., Naval Res. Lab., 52; PRES., CENTURY RES. CORP., 52- Vis. lectr., Goucher Col., 49. U.S.N., 42-45. Fel. AAAS; fel. Psychol. Asn; Inst. Aeronaut. Sci; Ord. Asn; Human Factors Soc; Inst. Aerospace Sci; Int. Asn. Appl. Psychol. Aviation and industrial psychology. Publ: User acceptance of the aircar, Cmt. Sci. & Astronaut, U.S. House Rep, 62; Practical human engineering principles, Century Res. Corp., 64; co-auth., Human factors in transit user transferring, North. Va. Transportation Agency, 68. Address: 3717 N. 27th St., Arlington, Va. 22207.

SLEMON, DR. ALAN GRAY, b. Winnipeg, Man., May 9, 28; m. 53; c. 2. PSYCHOLOGY. B.A., Manitoba, 49, M.A., Western Ontario, 52, Ph.D.(psychol.), Toronto, 62. Psychologist, Ont. Hosp., Cobourg, 52-55, London, 56; adult outpatient dept., Toronto Psychiat. Hosp., 57-60, child & adolescent unit, 60-65; ASSOC. PROF. PSYCHOL., WESTERN ONTARIO, 65- Am. Psychol. Asn; Can. Psychol. Asn. Educational, child and adolescent psychology; behavioral theory; test development. Publ: Adjustment for the total number of responses in calculating the Rorschach apperception type, J. Proj. Tech. & Personality Assessment, 65; co-auth., Rorschach scales of regression in psychosis, Genetic Psychol. Monogr., 65. Address: Althouse College of Education, University of Western Ontario, London, Ont., Can.

SLESINGER, DR. JONATHAN A(VERY), b. New York, N.Y., Apr. 28, 25; m. 50; c. 3. SOCIOLOGY. A.B., Vassar Col., 49; Columbia, 49-50; M.A., American Univ., 54; univ. fel., Michigan, 54-56, U.S. Pub. Health Serv. fel., 57-58, Ph.D. (sociol.), 60. Study dir., sociol. bur. soc. sci. res., American Univ., 52-53; res. asst., inst. pub. admin., Michigan, 56-58, res. assoc., 62-64, study dir. orgn. behav., inst. soc. res., 58-64; ASSOC. PROF. sociol. & orgn. sci., center adv. study orgn. sci. & DEPT. SOCIOL., WISCONSIN, MILWAUKEE, 64-67, SOCIOL. & SOC. WELFARE, OFF. APPL. SOC. RES. SCH. SOC. WELFARE, 67- U.S.A., 45-47. Asn. Pub. Opinion Res; Sociol. Asn. Problems of organizations in democratic settings, especially executive functions and be-

havior and on professionals in organizational settings; basic research and utilization of research results. Publ: A model for the comparative study of public bureaucracies, 57 & Personnel adaptations in the federal junior management assistant program, 62, Inst. Pub. Admin., Univ. Michigan; co-auth., Behavioral discrepancies of executives in a period of organizational change, Human Orgn., 68. Address: Dept. of Sociology, University of Wisconsin, Milwaukee, Wis. 53201.

SLESINGER, PROF. REUBEN E., b. Windber, Pa., Feb. 12, 16; m. 50; c. 1. ECONOMICS. B.S., Pittsburgh 36, A.M., 38, Ph.D., 40; Harvard, 37-38, fel., 38-39; Wisconsin, 39-40; N.Y. Univ., 44-45. Asst. ECON., PITTSBURGH, 36-37, Instr., 40-42, asst. prof., 46-48, assoc. prof., 48-57, PROF., 57- Spec. instr., Carnegie Inst. Tech., 46-; Found. Econ. Ed. fel., 50. U.S.A., 42-46. Econ. Asn; Statist. Asn; Acad. Polit. & Soc. Sci. Economic analysis and government; value theory as a contribution to market price analysis; world economics. Publ: Co-auth., Readings in contemporary economics, Business, government and public policy; co-auth., Principles of economics. Address: 1028 H Cathedral of Learning, University of Pittsburgh, Pittsburgh, Pa. 15213.

SLETT, PROF. RAYMOND F(RANKLIN), b. Gibbon, Minn., July 20, 06; m; c. 1. SOCIAL PSYCHOLOGY. B.S., Minnesota, 28, A.M., 32, Ph.D., 36. Prin. high sch., Minn., 27-30; instr., Minnesota, 30-36, asst. prof. sociol., 37-39, assoc. prof., 40-47, dir. sociol. res. lab., 40-47; PROF. sociol. & anthrop., OHIO STATE, 47-67, SOCIOL., 67- chmn. dept., 50-67. Dir. bur. res., Minneapolis Coun. Soc. Agencies, 37; Soc. Sci. Res. Coun. fel., Columbia, 39, Chicago, 40; sr. soc. scientist, bur. agr. econ., U.S. Dept. Agr., 41-42. Mem. soc. sci. training grants cmt., Nat. Inst. Ment. Health, 62-67. Sociol. Asn; Statist. Asn. Construction of personality scales; methodology in social research. Publ: Co-auth., Personality and the depression; auth., Pretesting of questionnaires & Index numbers for social security program analysis, Am. Sociol. Rev. Address: Dept. of Sociology, Ohio State University, Columbus, Ohio 43210.

SLEVIN, JOSEPH R(AYMOND), b. New York, N.Y., Nov. 27, 18; m. 43; c. 4. POLITICAL SCIENCE, ECONOMICS. B.A., Yale Col., 39; Yale Law Sch., 39-40; Illinois, 41-42; M.A., Nebraska, 42. Asst. polit. sci., Nebraska, 40-41; Illinois, 41-42; mem. staff govt. affairs, U.S. Chamber Commerce, 45-46; asst. ed., Kiplinger Mag., 46-47; reporter Wash. econ. news, J. Commerce, 47-55; correspondent, New York Herald Tribune, 55-57, nat. econ. ed., 57-66; SYNDICATED ECON. COLUMNIST, NEWSDAY, 66- Contrib. ed., Wash. column, Dun's Rev. & Mod. Indust., 58-67; commentator, Voice of Am., 60-62; ed. & publisher, Wash. Bond Report, 62- U.S.N., 42-45, Res., 45-54, Lt. Polit. Sci. Asn. National and international economic developments. Address: 16 E. Melrose St., Chevy Chase, Md. 20015.

SLICK, DR. MAX HARRELL, b. Bedford Co., Pa., Apr. 30, 27; m. 52; c. 3. GEOGRAPHY. B.A., Pa. State, 50, Ph.D.(geog.), 67; M.S., Northwestern, 54. Teacher, pub. schs., Pa., 50-55; asst. prof. GEOG., KUTZTOWN STATE COL., 55-60, assoc. prof., 61-67, PROF. & CHMN. DEPT., 67- U.S.N.R., 45-46. Asn. Am. Geog.; Am. Geog. Soc; Nat. Coun. Geog. Ed. Geography of manufacturing, especially Allentown-Bethlehem-Easton area; geography of Latin America and the United States, especially Pennsylvania. Address: Dept. of Geography, Kutztown State College, Kutztown, Pa. 19530.

SLIGER, DR. BERNARD FRANCIS, b. Chassel, Mich., Sept. 30, 24; m. 45; c. 3. ECONOMICS. B.A., Mich. State, 49, M.A., 50, Ph.D., 55. Instr., Interior Twp. High Sch., Mich., 47-48; asst. prof. ECON., LA. STATE, 53-56, assoc. prof., 56-61, PROF., 61-, V. CHANCELLOR, 68-, head dept. econ., 61-65, dean acad. affairs, 65-68. Vis. prof., Mich. State, 61; fel., Minnesota, 62; vis. prof., Nat. Sci. Found. Vis. Scientist Prog., 66- Summers, vis. asst. prof., Mich. State, 55, vis. lectr., 61. Field Dir., La. Coun. Econ. Ed., 62-; fiscal adv., Cmmr. Admin. State La., 62-; consult., Gulf South Res. Inst., 65- Mem. President's White House Conf. Tax Reform & President's U.S. Conf. Labor Mgt. Rels., 62. U.S.A., 43-46, Sgt. Econ. Asn. Economics of education. Publ: Co-auth., Public finance, Dorsey, 64; auth., State support of public higher education, Nat. Tax Conf., 62; Property tax homestead exemptions for veterans, In: Property tax: USA, Univ. Wisconsin, 67. Address: 114 D. Boyd, Louisiana State University, Baton Rouge, La. 70803.

SLIMAK, ROMUALD, Statist, see 11th ed, Phys. & Biol. Vols.

SLINGSBY, DR. STEPHEN D., b. Los Angeles, Calif., Dec. 4, 38; m. 65. POLITICAL SCIENCE. B.S., Loyola, 60; Coro Found. fel., California, Los Angeles, 61-63; M.A., Claremont Grad. Sch. & Grad. Center, 64, Ph.D.(govt), 67. Consult to State Legis. on reapportionment, Calif., 65-66; asst. prof. polit. sci., Seven Seas Div., Chapman Col., 66-67; vis. asst. prof. govt., Calif. State Col. Los Angeles, 67-68; Soc. Sci. Res. Coun. faculty res. grant, SURV. RES. CENTER, MICHIGAN, 68- Fel., Yale, 69. Consult, Simulations Corp., 67. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Computer simulation of elections; computer redistricting; voting behavior; political functions of the arts; politicometrics. Publ: Militant vs. traditionalists: the new power struggle for the uncommitted, Detroit Mag., 9/67. Address: P.O. Box 24085, Los Angeles, Calif. 90024.

SLIPP, DR. SAMUEL, b. Newark, N.J., Oct. 12, 24; m. 66. PSYCHIATRY. B.S., Indiana, 48, M.D., 50. Consult, student health serv., San Francisco State Col., 57-63; assoc. prof. psychol., 61-65; PSYCHIAT., N.Y. Med. Col., 65-68; ASSOC. CLIN. PROF., N.Y. UNIV., 68-; HEAD FAMILY THER. UNIT, DEPT. PSYCHIAT., BELLEVUE HOSP., 68- Dir. psychiat., Los Guillos Sch., 57-58; lectr., Inst. Psychiat., Maudsley Hosp., London, 65. U.S.A., 43-45, Sgt. Fel. AAAS; fel. Psychiat. Asn; Orthopsychiat. Asn; Group Psychother. Asn; Asn. Am. Med. Cols; Am. Med. Asn. Group and conjoint family therapy; community and family psychiatry. Publ: Contrib., Rehabilitating the narcotic addict, Voc. Rehab. Admin., Govt. Printing Off., 66; co-auth., Separation problems in young adults, In: International handbook of group psychotherapy, Philos. Library, 66 & A community mental approach to the treatment of alcoholism, Proc. Fourth World Cong., Excerpta Medica, 68. Address: 823 Park Ave., New York, N.Y. 10021.

SLITOR, DR. RICHARD E(ATON), b. St. Paul, Minn., July 1, 11; m. 37; c. 4. ECONOMICS. S.B., Harvard, 32, Ph.D.(econ), 40; M.A., Colgate, 34. Instr.

- & tutor econ, Harvard, 34-41; assoc. prof. econ. & bus. admin. & chmn. dept, Mt. Union Col, 41-42; STAFF ECONOMIST, U.S. DEPT. TREAS, 42- Fed. exec. fel, Brookings Inst, 63-64; prof, Massachusetts, Amherst, 67-68. Econ. Asn; Statist. Asn; Royal Econ. Soc; Int. Inst. Pub. Finance; Acad. Polit. Sci. Public finance; taxation; fiscal policy. Publ: The value-added tax as an alternative to corporate income tax, In: Alternatives to present taxes, Tax Inst. Am, 64; Tax treatment of research and innovative investment, Am. Econ. Rev. 5/66; Corporate tax incidence: economic adjustments to differentials under a two-tier structure, In: Effects of corporate tax, Wayne State, 66. Address: 9000 Burning Tree Rd, Bethesda, Md. 20034.
- SLOAN, DR. ALAN P.**, b. New York, N.Y., Oct. 9, 32; m. 59; c. 3. **POLITICAL SCIENCE**. B.B.A., City Univ. New York, 53; M.A., N.Y. Univ. 63; Carnegie fel, 64-65; For. Area fel, 66-67; Ph.D.(polit. sci), Mass. Inst. Tech, 67. Exec. asst. to pres, CBS Broadcast Group, 67-68; V.PRES. STA. SERV, TV STAS. DIV, COLUMBIA BROADCASTING SYST, 68- Adj. asst. prof. polit. sci, grad. sch. arts & sci, N.Y. Univ, 67- Polit. Sci. Asn. Political communications; American government; political development; Latin America. Address: Columbia Broadcasting System, Inc, 51 W. 52nd St, New York, N.Y. 10019.
- SLOAN, DR. HAROLD (STEPHENSON)**, b. Brooklyn, N.Y., Nov. 23, 87; m. 10; c. 1. **ECONOMICS** (STATISTICS). B.S. Columbia, 09, M.A., 26; hon. LL.D. Denver, 46; hon. D.Sc. Fairleigh Dickinson, 60. Treas. & gen. mgr, DeCamp & Sloan Mfg. Co, 09-25; instr. econ, Marquand Sch, N.Y., 25-27; N.J. State Norm. Sch, 27-29, assoc. prof, N.J. State Col, 29-36; v-pres. & exec. dir, Alfred P. Sloan Found, 36-45; vis. lectr, teachers col, Columbia, 45-64; dir. res, Fairleigh Dickinson, 57-65; RETIRED. Adj. prof, grad. sch. arts & sci, N.Y. Univ, 41-58; prof, Pan-Am. Union, Colombia, S.Am, 59. Trustee, Fairleigh Dickinson, 63- Punched-card, electronic data processing and automated teaching in American schools, colleges and universities; educational activities conducted by American industry, retailers and armed forces. Publ: Today's economics; co-auth, Classrooms in the factories & Dictionary of economics. Address: 22 E. 72nd St, New York, N.Y. 10021.
- SLOAN, PROF. LOUISE L(ITTIG) (MRS. LOUISE SLOAN ROWLAND)**, Psychol, see 11th ed, Phys. & Biol. Vols.
- SLOAN, MAYME BELLE**, b. Vonore, Tenn, Dec. 31, 17; m. 34; c. 1. **BUSINESS LAW**. Georgia, 48 & 50; LL.M., John Marshall Law Sch, 54. EXEC. SECY, CONSUMER ECON, CONSUMER ECON, INC, 55- Research and development in consumer economics education. Publ: Salesmanship or science?, Consumer Econ, Inc, 66. Address: Consumer Economics, Inc, Box 7174, Station C, Atlanta, Ga. 30309.
- SLOAN, PROF. VIRGINIA B.**, b. Tex, Oct. 3, 03. **ECONOMICS**. A.B. Texas, 25, A.M. 28, Ph.D. 41; Columbia, 26, Wisconsin, 30. Instr. econ, Texas, 41; mem. staff, bur. labor statist, Nat. War Labor Bd. & Off. Price Admin, 42-45; assoc. prof. econ, Converse Col, 46; res. assoc, inst. indust. rels. & lectr, dept. econ, California, Los Angeles, 46-48; asst. prof. econ, New Mexico, 48-52; supv. wage analyst, Nat. Wage Stabilization Bd, & employ. specialist, bur. employ. security, U.S. Dept. Labor, 52-54; assoc. prof. econ, New Mexico Highlands, 54-59, PROF, 59-67; CONSUMER ECON, TEXAS WOMAN'S UNIV, 67- Mem. Gov. Cmt. Aging, N.Mex, 58-60, chmn, 60-62; mem, San Miguel Area Develop. Cmt, 61-62. Del, White House Conf. Aging, 61. Econ. Asn; Indust. Rels. Asn. Economic theory; labor and consumer economics; economic planning. Publ: State and local economic planning, Proc. West. Econ. Asn; Income and employment of older persons in the United States; Economic resources of greater Las Vegas, New Mexico. Address: 4462 Radstock Court, Ft. Worth, Tex. 76133.
- SLOAN, DR. WILLIAM**, b. Chicago, Ill, Mar. 10, 13; m. 37; c. 2. **PSYCHOLOGY**. B.A. Cent. YMCA Col, 35; M.A. George Peabody Col, 36; Ph.D. (psychol), Northwestern, 50. Jr. psychologist, Chicago Munic. Court, 38-42; chief psychologist, Lincoln State Sch, Ill, 42-55; dir. psychol. serv, State Colony & Training Sch, La, 55-57, supt, 57-60; Austin State Sch, 60-63; DIR. DIV. MENT. RETARDATION, ILL. DEPT. MENT. HEALTH, 63- Lectr, Northwestern, 49; Bradley, 50-53; res. assoc, Illinois, 53-55. Consult, Dixon State Sch, 50-55. Dipl. Am. Bd. Exam. Prfnl. Psychol, 50. Fel. Psychol. Asn; Asn. Ment. Deficiency (v-pres, 53-55, pres, 62-63; ed, Am. J. Ment. Deficiency, 59-); Royal Soc. Med. Mental deficiency; clinical psychology; motor proficiency. Publ: The Lincoln-Oseretsky motor development scale, Genetic Psychol. Monogr; Critical review of HTP validation studies, J. Clin. Psychol; Motor proficiency and intelligence, Am. J. Ment. Deficiency. Address: 2301 Makemie Ave, Springfield, Ill. 62704.
- SLOBIN, DR. DAN I(SAAC)**, b. Detroit, Mich, May 7, 39; m. 62. **PSYCHOLINGUISTICS**. B.A. Michigan, 60; fel, Harvard, 60-61, Nat. Sci. Found. fel, 61-63, M.A. 62, Ph.D.(soc. psychol), 64. Asst. prof. PSYCHOL, CALIFORNIA, BERKELEY, 64-68, ASSOC. PROF, 68- U.S. Off. Ed. Res. grant, 66-67. AAAS; Psychol. Asn; Soc. Res. Child Develop; Ling. Soc. Am; Asn. Mach. Trans. & Comput. Ling. Language acquisition, linguistic competence and performance as related to transformational grammar; sociolinguistics; cognitive development; cross-cultural psychology; review and analysis of Soviet psychology. Publ: The ontogenesis of grammar, Academic, (in press) Grammatical transformations and sentence comprehension in childhood and adulthood, J. Verbal Learning & Verbal Behav, 5: 219-227; co-auth, Psycholinguistics, Annual Rev. Psychol, 17: 435-474. Address: Dept. of Psychology, University of California, Berkeley, Calif. 94720.
- SLOBIN, DR. MORTON S(IDNEY)**, b. Woonsocket, R.I., Jan. 21, 19; m. 43; c. 2. **CLINICAL PSYCHOLOGY**. B.A. Chicago, 41; Ph.D.(clin. psychol), Western Reserve, 51. Clin. psychologist, ment. hyg. unit, Vet. Admin, 51-66; dir, Upward Bound Proj, CASE WESTERN RESERVE, 66, DIR. PSYCHOL. SERV. TO ED, CLEVELAND COL, 66- Instr. Case Western Reserve, 62- Private clin. psychologist, 52-52, C. 42-46, 1st Lt. Psychol. Asn. Personality dynamics; psychopathology; projective testing. Publ: Co-auth, The IES Test, Perceptual & Motor Skills. Address: 2620 Norfolk Rd, Cleveland, Ohio 44106.
- SLOBODIN, DR. RICHARD**, b. New York, N.Y., Mar. 6, 15; m. 52; c. 3. **ANTHROPOLOGY**. B.A., City Col. New York, 36; M.S., 38; Am. Coun. Learned Soc. fel, Columbia, 42, Soc. Sci. Res. Coun. fel, 46-47, Arctic Inst. N.Am. fel, 47-48, Ph.D. 59. Asst. prof. anthrop, Southern California, 47-49; Los Angeles State Col, 50-51; res. assoc. soc. psychiat, Cornell, 59-60; lectr. anthrop. & sociol, Smith Col, 60-62; sr. res. officer, north. coord. & res. center, Can. Dept. North. Affairs, 62-64; ASSOC. PROF. ANTHROP, McMASTER, 64- Nat. Res. Coun. res. grant, 61-62; res. contracts, Nat. Mus. Can, 62 & 66, consult, 64-66. Fel. Anthropol. Asn; assoc. Arctic Inst. N.Am. Structure and dynamics of the small group; ethnicity and ethnogenesis; theory of culture. Publ: Metis of Mackenzie District, Can. Res. Center Anthropol, 66; Some social functions of Kutchin anxiety, Am. Anthropologist, 1/60; Band organization of the Peel River Kutchin, Nat. Mus. Can. Bull. 179, 62. Address: Dept. of Sociology & Anthropology, McMaster University, Hamilton, Ont, Can.
- SLOCOMBE, DR. E(DNA) ELIZABETH**, Counseling, see 10th ed, Soc. & Behav. Vols.
- SLOCUM, DR. FLORA L(UCILLE)**, Econ, see 10th ed, Soc. & Behav. Vols.
- SLOCUM, GERALD K(ENNETH)**, Ergonomics, see 11th ed, Phys. & Biol. Vols.
- SLOCUM, PROF. WALTER L(UCIUS)**, b. Glenham, S.Dak, June 28, 10; m. 35; c. 3. **RURAL SOCIOLOGY**. B.S. S.Dak. State Col, 33; fel, Wisconsin, 37-38, Ph.D.(sociol), 40. Asst. prof, S.Dak. State Col, 40-42, assoc. prof, 42-43, asst. rural sociologist, 40-43; statistician, off. labor, War Food Admin, 43-44; asst. chief res. div, Vet. Admin, D.C., 47-51, chief, 51; PROF. SOCIOL, CHMN. DEPT. & RURAL SOCIOLOGIST, WASHINGTON STATE, 51- Prof. Univ. Punjab, Pakistan, 58-60; Garrett Theol. Sem, 63; lectr, bd. mem. confs, Ore. State Dept. Ed, 67; distinguished guest lectr, Okla. State, 67; vis. prof, Missouri, Columbia, 68. Consult, state exp. stas. div, U.S. Dept. Agr, 58-, work group poverty res. & ed, 65; Off. Econ. Opportunity, San Francisco Regional Off, 66-; Northwest Ed. Res. Lab, 66-; Rocky Mt. Ed. Lab, Inc, 67-; soc. sci. res. center, Miss. State, 68. U.S.N., 44-46, Lt.(jg). AAAS; fel. Sociol. Asn; Rural Sociol. Soc. Occupational and educational planning; population; social organization; sociology of occupations, especially career choice, career turning point decisions and career patterns and strategies. Publ: Agricultural sociology, Harper, 62; Occupational careers, Aldine, 66; Reference groups and educational aspirations, Rural Sociol, 9/67. Address: 2112 Orion Dr, Pullman, Wash. 99163.
- SLONIM, MORRIS J(AMES)**, b. Slonim, Poland, Jan. 9, 09; nat; m. 46; c. 3. **STATISTICS**. A.B. Harvard, 30, M.B.A., 32, Statistician, State Dept. Pub. Assistance, Pa, 38-41; bur. labor statist, U.S. Dept. Labor, 46-48; prog. analyst, Strategic Air Command, 48-51, mgt. analyst, hq, U.S. Dept. Air Force, 53-54, asst. math. statist, 54-65; SR. STATIST. TRAINING ADV. AGENCY INT. DEVELOP, ANKARA, TURKEY, 65- Lectr, George Washington. Meritorious serv. award, U.S. Air Force, 55. U.S.A.F. 42-46, 51-54, Res. 54-, Col; Bronze Star Medal, 53. Statist. Asn. Operations analysis; sampling; electronic data processing. Publ: Sampling in a nutshell; Sampling, Simon & Schuster, 66; Trentile deviation method for short range forecast evaluation. Address: USAID/PSD, APO New York 09254.
- SLOTIN, ELIZABETH J(OSEPHINE)**, b. Cambridge, Mass, June 21, 10; m. 35. **STATISTICS, ECONOMICS**. A.B. Colorado, 31; M.A. Chicago, 34. Statistician, Cook County Serv. Bur. Transients, 34-35; asst. econ, Chicago, 35-39; statistician, Ill. Div. Placement & Unemployment. Compensation, 39-42; methods technician, War Manpower Cmn, 42-46; chief res. & statist. sect, State Employ. Serv. & Div. Unemployment. Compensation, Ill, 46-65; CHIEF PROG. ANAL. & EVAL. RES, ILL. DEPT. MENT. HEALTH, 65- Lectr, Loyola, 51-52. Statist. Asn; Indust. Rels. Res. Asn. Employment and labor force statistics; epidemiology of mental illness. Publ: Illinois job seekers survey; Manual for evaluation of mental health programs, Ill. Dept. Mental Health, 66; co-auth, The evaluation of state-wide mental health programs, Community Ment. Health J, summer 68. Address: 5512 Woodlawn Ave, Chicago, Ill. 60637.
- SLOTIN, DR. HERMAN**, b. Brooklyn, N.Y., Jan. 25, 17; m. 39; c. 2. **PSYCHOLOGY**. B.A. Brooklyn Col, 37; M.A., N.Y. Univ, 52, Ph.D. 58. Teacher, NEW YORK BD. ED, 38-53, coordinator eval. & readjustment prog, 53-54, continuation schs, 54-59, drop out exp, 59-64, COORDINATOR MANPOWER DEVELOP. & TRAINING PROG, 64- Consult, guid. inst, N.Y. Univ, 59 & 60; U.S. Dept. Labor, 63-64; Nat. Cmt. Employ. Youth, 64-65; Youth Bd. New York, 66; New York Human Resources Admin, 67. U.S.A.A.F. 43-45. Psychol. Asn; Personnel & Guid. Asn. Counseling and education of school drop outs. Publ: Counselor relationship competence; High schools meet manpower needs. Address: 10 E. 43rd St, Brooklyn, N.Y. 11203.
- SLOTNICK, DR. BURTON M(ARVIN)**, b. Chicago, Ill, Apr. 21, 35. **PSYCHOLOGY**. A.B. Illinois, Urbana, 58, Ph.D.(psychol), 63. Fel. anat, Albert Einstein Col. Med, 63-65; ASST. PROF. PSYCHOL, COLUMBIA, 65- AAAS; Psychol. Asn; Soc. Zool. Ethology; neuroendocrine-behavioral relations; infrahuman learning; physiological psychology. Publ: Deficits in passive avoidance and fear conditioning in mice with septal lesions, Science, 66; Disturbances of maternal behavior in rat following lesions of the cingulate cortex, Behavior, 67; Intercorrelations of maternal activities in the rat, Animal Behav, 67. Address: Dept. of Psychology, Columbia University, New York, N.Y. 10027.
- SLOVER, DR. ROBERT H.**, b. Prague, Okla, Aug. 24, 13; m. 39; c. 3. **POLITICAL SCIENCE**. B.A. Oklahoma, 35; M.P.A. Harvard, 48, Ph.D.(polit. sci), 50. Nat. supvr, hist. records surv, Works Prog. Admin, 36-39, regional dir. res. & records, 39-41; ASSOC. PROF. POLIT. SCI, BRIGHAM YOUNG, 65- U.S.A.R. 35-41; U.S.A., 42-64, Col. Soc. Pub. Admin; Mil. Govt. Asn. (award, 65). Development of civic action programs for military forces to assist in the economic and social development of developing nations. Publ: Bizonal economic administration of Western Germany, U.S. Army Civil Affairs Sch, 61. Address: Dept. of Political Science, Brigham Young University, Provo, Utah 84601.
- SLUCKI, DR. HENRY**, b. Paris, France, July 12, 34; nat; m. 59. **EXPERIMENTAL PSYCHOLOGY**. B.A. California, Los Angeles, 55, Ph.D.(psychol), 60; M.A. Columbia, 56. Sr. lab. tech, med. sch, California, Los Angeles,

56-58; trainee exp. psychol. Vet. Admin, Los Angeles, Calif, 58-61; Nat. Insts. Health fel. ment. health training prog. med. center, California, 61-62; psychol. res. assoc. Vet. Admin, Los Angeles, Calif, 62-63; lectr. PSYCHOL, SOUTHERN CALIFORNIA, 63-66, ASST. PROF, 66- AAAS; Psychol. Asn; Fedn. Am. Sci. Experimental analysis of behavior; operant and respondent conditioning; animal and human learning, especially discrimination, motivation and conditioned reinforcement; behavioral neurophysiology. Publ: Schedules of conditioned reinforcement. Address: Dept. of Psychology, University of Southern California, University Park, Los Angeles, Calif. 90007.

SLUTSKY, PROF. HERBERT L, b. Chicago, Ill, Nov. 6, 25; m. 55; c. 2. GEOGRAPHY. B.S. Illinois, 50, M.S. 51, Nat. Acad. Sci. fel, 57, Ph.D.(geog. physiol), 59. Vis. lectr. GEOG, Illinois, 58; assoc. prof, ROOSEVELT, 59-67, PROF, 67-, HEAD DEPT, 59- U.S.N, 43-46, 51-53. Am. Geog. Soc; Asn. Am. Geog; Int. Soc. Biometeorol. Physiology; geographical distribution of disease; ecological studies of protein, malnutrition and kwashiorkor. Publ: Ecological study of total mortality among Guatemalan pre-school children, Nat. Acad. Sci; Natural history of the eccrine miliaria & Eccrine miliaria: a study in human ecology, New Eng. J. Med. Address: Dept. of Geography, Roosevelt University, 430 S. Michigan Ave, Chicago, Ill. 60605.

SLY, PROF. JOHN F(AIRFIELD), Polit. Sci, see 10th ed, Soc. & Behav. Vols, deceased 65.

SMADER, DR. ROBERT C(HARLES), Psychol, see 10th ed, Soc. & Behav. Vols.

SMALL, PROF. ARNOLD M(COLLUM), JR, b. Springfield, Mo, Sept. 16, 29; m. 51; c. 5. PSYCHOLOGY. B.A., San Diego State Col, 51; M.S. Wisconsin, 53, Ph.D.(psychol), 54. Res. assoc. Mass. Inst. Tech, 51; asst. psychol, Wisconsin, 51-54; asst. prof. psychol, univ. & dir. bioelec. lab, Lehigh, 54-58; asst. prof. SPEECH PATH, AUDIOL. & PSYCHOL, IOWA, 58-60, assoc. prof, 60-64, PROF, 64- Nat. Insts. Health fel, 54 & res. grant, 56-58; Nat. Sci. Found. res. grants, 54-56, 60-; Off. Naval Res. res. grant, 54-58. Consult, Vet. Admin, 63-; Radio Corp. Am, 66. Fel. AAAS; fel. Speech & Hearing Asn; fel. Acoustical Soc; Psychol. Asn; sr. mem. Inst. Elec. & Electronic Eng; Psychonomic Soc. Psycho-acoustics and physiological acoustics; psychological and physiological aspects of sensory processes. Publ: Co-auth, Modern developments in audiology, Academic, 63; auth, Response to contralateral and ipsilateral auditory stimulation from the same cortical areas, Brain Res, 5: 250-262; Pitch of noise bands, J. Acoustical Soc. Am, 67. Address: Dept. of Psychology, University of Iowa, Iowa City, Iowa 52240.

SMALL, DR. ARNOLD M(ILROY), b. Benton Harbor, Mich, Oct. 27, 05; m. 27; c. 4. PSYCHOLOGY. A.B. DePaul, 28; Mus.B. Am. Conserv. Music, 30; Eastman Found. fel. Iowa, 33-36, M.A. 34, Ph.D.(psychol, music, acoustics), 36. Prof. music & instr. psychol, Drury Col, 28-33; assoc. prof. music & psychol, Iowa, 37-44; head, psychoacoustic sect, div. war res, California, 44-46; head, human factors div. Navy Electronics Lab, 46-56; chief reliability, human factors & acoustics, Convair Div, Gen. Dynamics Corp, 56-59; mgr. prod. effectiveness lab, HUGHES AIRCRAFT CO, 59-67, CORP. DIR. SCI. ED, 67- Carnegie Found. res. fel, 37. Consult, Joint Bd. Civil Serv. Exam, 47-54. Mem. cmt. vision, Armed Serv-Nat. Res. Coun, 48-55, cmt. hearing & bio-acoustics, 54-60; res. adv. cmt. oper. probs, NASA, 58-60. Civilian with Off. Sci. Res. & Develop. Fel. AAAS; fel. Acoustical Soc; Psychol. Asn; Human Factors Soc.(pres-elect, 59, pres, 60); Inst. Aeronaut. & Astronaut; Ergonomics Res. Soc, Brit. Human factors development and engineering applications; psycho-acoustics; psychology of music; education for technological innovation. Address: 2210 Domingo Rd, Fullerton, Calif. 92632.

SMALL, DR. MELVIN, Am. Diplomatic Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SMALL, WILLIAM D(IEHL), b. St. Louis, Mo, July 3, 15; m. 40; c. 1. INDUSTRIAL & CLINICAL PSYCHOLOGY. B.S. St. Louis, 40, M.S. 50. Psychologist, U.S. Employ. Serv, 40-41; indust. psychologist, ord. div, E.I. du Pont de Nemours & Co, 41-42; occup. analyst, ord. div, U.S. War Dept, 42-43; chief clin. psychologist, Vet. Admin. Hosp, Jefferson, Mo, 46-50; INDUST. PSYCHOLOGIST, 50- Vis. prof, Owens-Corning Fiberglas Corp. Mgt. Sch, N.Y. 62. Participant, nat. resources conf, Indust. Col. Armed Forces, Ore, 58; aerospace med. seminar, U.S. Naval Med. Sch, Fla, 61. Consult, St. Johns Mercy Hosp, St. Louis, 50-; State Dept. Ed, Mo, & Ill, 58-; Dept. Health, Ed. & Welfare, 62-; U.S. Naval & Marine Corps Training Center, St. Louis, 65-; Maryville Col, 67-; Convent of the Sacred Heart, D.C. 68- Clin. psychologist, Med.C, 43-46, Res, 46-, Lt. Comdr. Am. Psychol. Asn; Can. Psychol. Asn. Selection, development and conservation of executive and engineering personnel in industry; organizational planning; ability and aptitude testing; clinical psychotherapy. Publ: Data study for appraising engineers in the acoustical industry; Use of the patterned merit review technique to encourage the development of engineering personnel; The selection of executive personnel. Address: 1015 Locust St, Suite 1215, St. Louis, Mo. 63101.

SMALLEY, PROF. HAROLD E(UGENE), b. Birmingham, Ala, Apr. 9, 21; m; c. 3. INDUSTRIAL ENGINEERING. B.S. Alabama, 46, M.S. Purdue, 47; Columbia, 50-54; Ph.D.(econ), Pittsburgh, 57. Indust. engr, Stockham Valves & Fittings, Inc, 41-44; asst. prof, Alabama, 47-50; assoc. prof, Connecticut, 50-55; asst. to v.chancellor, Pittsburgh, 55-58; prof. INDUST. ENG, GA. INST. TECH, 58-68, REGENTS' PROF, 68-, DIR. PROG. HOSP. & MED. SYSTS, 58- Hosp. Asn; fel. Inst. Indust. Eng. Hospital and medical systems; operations research; work measurement. Publ: Co-auth, Hospital industrial engineering, Reinhold, 66. Address: 4650 Huntley Dr. N.E, Atlanta, Ga. 30305.

SMALLEY, PROF. ORANGE A(DONIRAM), Econ, see 10th ed, Soc. & Behav. Vols, deceased 64.

SMALLEY, DR. WILLIAM A(LLEN), Ling, Anthropol, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

SMALLWOOD, PROF. FRANK, b. Ridgewood, N.J, June 24, 27; m. 51; c. 4. POLITICAL SCIENCE. A.B. Dartmouth Col, 51; fel, Harvard, 52-53, M.P.A., 53, Ph.D. 58. Admin. asst. to gen. mgr. res. & develop, U.S. Atomic Energy Cmn, 53-57; exec. asst. to pres, DARTMOUTH COL, 57-59, asst. prof. GOVT, 59-63, assoc. prof, 63-67, PROF, 67- Trustee, Vt. State Colls, 67-73. Award, U.S. Atomic Energy Cmn, 57. U.S.A. 45-46. Polit. Sci. Asn; Soc. Pub. Admin. American federal government, including science and public policy; state and local government; urban and metropolitan politics. Publ: Metro Toronto: a decade later, Toronto Bur. Munic. Res, 63; Greater London: the politics of metropolitan reform, Bobbs, 65. Address: Dept. of Government, Dartmouth College, Hanover, N.H. 03755.

SMARDAN, DR. LAURENCE E(UGENE), b. Los Angeles, Calif, Aug. 23, 25; m. 51; c. 3. CHILD PSYCHOLOGY, FAMILY RELATIONS. B.A. Southern California, 50, M.S. 52; Ph.D.(child develop. & family rels), Cornell, 57. Asst. prof. CHILD DEVELOP. & FAMILY RELS, Wyoming, 57-59; assoc. prof, San Jose State Col, 59-66; PROF, FRESNO STATE COL, 66- U.S.A. 43-46, Sgt. Psychol. Asn; Sociol. Asn; Home Econ. Asn. Child development; family communication patterns; family values and their impact on family relationship patterns. Publ: The world of the married undergraduate pair; Family communication; The use of drama in teaching family relationships, J. Marriage & Family, 5/66. Address: Dept. of Home Economics, Fresno State College, Fresno, Calif. 93726.

SMART, PROF. L(OUIS) EDWIN, Statist, Pub. Finance, see 10th ed, Soc. & Behav. Vols, deceased 62.

SMART, PROF. RUSSELL C(OOK), b. Greenfield, Mass, Mar. 25, 13; m. 39; c. 3. CHILD PSYCHOLOGY, FAMILY RELATIONS. A.B. Dartmouth Col, 34; M.A. Minnesota, 35, Ph.D. 38. Mem. faculty, psychol. dept, Merrill-Palmer Sch, 37-44; indust. psychologist, Stephenson, Jordan & Harrison, 44; from asst. to assoc. prof. CHILD DEVELOP. & FAMILY RELS, Cornell, 45-53; PROF. & HEAD DEPT, RHODE ISLAND, 53- Fulbright lectr, Baroda, 59-60; Lady Irwin Col, New Delhi, 66-67; coordinator, Univ. Wisconsin Col. Year in India Prog, 67-68. Psychol. Asn; Soc. Res. Child Develop; Sociol. Asn. Parent education; personality and child development. Publ: Co-auth, Children: development and relationships, Macmillan, 67, Living and learning with children & Living in families. Address: Dept. of Child Development & Family Relations, University of Rhode Island, Kingston, R.I. 02881.

SMEAD, PROF. ELMER E(MANUEL), b. Akron, Ohio, July 27, 05; m. 35. POLITICAL SCIENCE. A.B. Akron, 27; A.M. Princeton, 28, Ph.D. 34; hon. A.M. Dartmouth Col, 44. Instr. POLIT. SCI, Rutgers, 28-31; DARTMOUTH COL, 34-44, PROF, 44-, chmn. dept. govt, 51-55. Witness, Fed. Commun. Cmn, 59-60. Legal maxims and formulae as instruments of constitutional interpretation; governmental regulation of business and of radio broadcasting; introduction to the social sciences. Address: Dept. of Government, Dartmouth College, Hanover, N.H. 03755.

SMEETON, PROF. CECIL BROOKS, b. Chicago, Ill, Apr. 3, 03; m. 33; c. 4. MARKETING. B.S.C. Northwestern, 26, M.B.A. 46. Promotion mgr, Star-Perless Wall Paper Mills, 31-35; acct. exec, Evans Assoc. Advert. Agency, 35-37; asst. dir. promotion, Meredith Pub. Co, 37-40; instr. mkt, Ohio State, 40; asst. prof, Indiana, 40-46; assoc. prof, Notre Dame, 46-50; PROF. mkt, col. bus. admin, MARQUETTE, 50-61, ADVERT. COL. JOURNALISM, 65-, dir. mkt. dept, col. bus. admin, 52-58; mem. student mkt. study, 66-67. Am. Asn. Advert. Agencies fel, 54-55. Advert. Fedn. Am. & Printer's Ink silver medal award, 61. Mkt. Asn; Acad. Advert. Publ: Rapidly changing markets: their challenge to salesmen; co-auth, Principles of marketing & Principles of advertising. Address: 1135 W. Kilbourn Ave, Milwaukee, Wis. 53233.

SMELSER, PROF. NEIL J(OSEPH), b. Kahoka, Mo, July 22, 30; m. 54; c. 2. SOCIOLOGY. B.A. Harvard, 52, jr. fel, 55-58, Ph.D.(sociol), 58; Rhodes scholar & B.A. Oxford, 54, M.A. 59; San Francisco Psychoanal. Inst, 62- Asst. prof. SOCIOL, CALIFORNIA, BERKELEY, 58-60, assoc. prof, 60-62, PROF, 62-, asst. to chancellor, 65, asst. chancellor, 66-68. Nat. Sci. Found. res. grant, 65-66. Ed. Am. Sociol. Rev, 62-65. Mem. cmt. econ. growth, Soc. Sci. Res. Coun, 60-65; chmn. sociol. panel of behav. & soc. sci. surv, Nat. Acad. Sci. & Soc. Sci. Res. Coun, 67-70. Sociol. Asn. Sociological theory in the sociological analysis of economic institutions, collective behavior, social change and relations among personality and social structure. Publ: Theory of collective behavior, Macmillan, 63; The sociology of economic life, 63 & Essays in sociological explanation, 68, Prentice-Hall. Address: Dept. of Sociology, University of California, Berkeley, Calif. 94720.

SMELSER, DR. WILLIAM T(AYLOR), b. Kahoka, Mo, July 14, 24; m. 51; c. 2. PSYCHOLOGY. A.B. California, 50, M.A. 51, Ph.D. 58; U.S. Pub. Health Serv. fel, Kaiser Ment. Hyg. Clin, 55-56; Michigan, 51. Asst. philos, CALIFORNIA, BERKELEY, 50-51, psychol, 52-53, clin. field supvr, 56-57, res. psychologist, inst. human develop, 57-63, LECTR. HUMAN DEVELOP, SCH. SOC. WELFARE, 63-, vis. instr, 59-60. Instr. San Francisco State Col, 58-59; psychotherapist, Calif. Med. Clin, San Francisco, 60- U.S.A. 43-45. Psychol. Asn. Clinical psychology; personality development and disorders; body image and interpersonal relationships. Publ: Personality and social systems, Wiley, 63; Dominance as a factor in achievement and perception in cooperative problem solving interactions; co-auth, Factors in length of stay and progress in psychotherapy, J. Consult. Psychol. Address: 235 Trinity Ave, Kensington, Calif. 94708.

SMELTZER, PROF. C(LARENCE) H(ARRY), b. Bellefonte, Pa, Sept. 4, 00; m. 27; c. 1. PSYCHOLOGY. B.S. Columbia, 22, Earl scholar. & A.M. 23; Ph.D.(psychol), Ohio State, 31. Instr. PSYCHOL, TEMPLE, 24-29, asst. prof, 31-33, assoc. prof, 33-41, prof, 41-60, acting chmn. dept, 41-42, chmn, 42-62, Thaddeus L. Bolton prof, 60-67, EMER. PROF, 67- Spec. lectr, Moore Inst. Indust. Arts. Tech. consult, State Emergency Relief Admin, Pa, 35-37; consult, state civil serv, State Dept. Labor & Indust, 37-39; employ. bd, State Dept. Pub. Assistance, 39-42; State Civil Serv. Cmn, N.J., 40-53; Craig & Granatt Personnel Specialists, 42- U.S.A. 17-19. AAAS; fel. Psychol. Asn. Personnel psychology; aptitude testing. Publ: Psychology

for student nurses, 62 & Psychological evaluation in nursing education, 65, Macmillan; The interview in student nurse selection, Putman, 68. Address: Dept. of Psychology, Temple University, Philadelphia, Pa. 19122.

SMELTZER, DR. DAVID A(MOS), b. Detroit, Mich, Nov. 21, 29; m. 66. POLITICAL SCIENCE. A.B. Wayne State, 57; M.A. Michigan, 58, Rackham fel, summer 63, Ph.D.(polit. sci), 64. Instr. POLIT. SCI, Michigan, 62-63; asst. prof., PORTLAND STATE COL, 64-68, ASSOC. PROF, 68- Polit. Sci. Assn. United States Congress, the presidency, and public policy. Address: Dept. of Political Science, Portland State College, Portland, Ore. 97207.

SMIDT, PROF. SEYMOUR, b. Chicago, Ill, Nov. 2, 28; m. 51; c. 2. ECONOMICS. A.B. Chicago, 48, M.A. 52, Ph.D.(econ), 54. Res. asst. econ, Chicago, 53-56; asst. prof. econ, GRAD. SCH. BUS. & PUB. ADMIN, CORNELL, 56-59, assoc. prof. 59-65, PROF. MANAGERIAL ECON, 65- Dist. supvr, Chicago Area Transportation Study, 56- U.S.A. 54-56. Econ. Assn; Economet. Soc; Agr. Econ. Assn; Inst. Mgt. Sci. Economic theory; econometrics; managerial economics. Publ: Co-auth. The capital budgeting decision; auth. Amateur speculators, Cornell, 65. Address: Graduate School of Business & Public Administration, Cornell University, Ithaca, N.Y. 14850.

SMIGEL, DR. ERWIN O, b. New York, N.Y., Nov. 3, 17. INDUSTRIAL SOCIOLOGY. A.B. North Carolina, 39; A.M. N.Y. Univ, 42, Ph.D., 49. Instr. SOCIOLOGY, Indiana, 48-50, asst. prof. 50-57, assoc. prof. 58-59; Univ. Col. N.Y. UNIV, 59-60, prof. 60-62, chmn. dept. 62-66, ALL-UNIV. HEAD DEPT, 66- Sr. fel. law & behav. sci, law sch, Chicago, 57-58; Nat. Sci. Found. res. grant, 67-69. U.S.A.A.F. 42-46. Sociol. Assn; Soc. Study Social Probs; Indust. Rels. Res. Assn. Effect of bureaucracy on professional people. Publ: Co-auth. Nursing home administration, C.C. Thomas, 62; auth. Work and leisure, Col. & Univ, 63; The Wall Street lawyer, Macmillan, 64. Address: Dept. of Sociology, New York University, 19 University Place, 3rd Floor, New York, N.Y. 10003.

SMIGEL, STANLEY EUGENE), b. Cleveland, Ohio, Dec. 6, 19; m. 42; c. 2. ECONOMICS. B.A. Western Reserve, 41; M.A. Ohio State, 42; Chicago, 44. Statistician, War Prod. Bd. 42-43; price economist, Off. Price Admin, 46-47; econ. ed. U.S. Dept. State, 47-48, int. economist, 48-49, res. economist, 49-50, staff asst. 50-53, br. chief, 53-58; adv. int. housing econ, U.S. Housing & Home Finance Agency, 58-59, div. dir. 59-61, spec. asst. housing & urban econ, 61-62; sr. specialist in charge housing & urban res, Pan Am. Union, 62-63; int. policy & prog. adv, U.S. DEPT. HOUSING & URBAN DEVELOP, 63-67, CHIEF INT. ORGN. STAFF, 67- Vis. lectr. Yale, 61, 62; Fordham, 62; Carnegie Inst, 66; econ. develop. inst. World Bank, 67; Western Ontario & Catholic Univ, 68. With UN Secretariat, 60-61. Vis. consult. Inter-Am. Housing Center, Colombia, 61; consult. cmt. urban develop. Nat. Citizens Cmn. Int. Coop. 65. U.S.A. 43-46. Econ. Assn; Acad. Polit. & Soc. Sci; Soc. Planning Off; Assn. Housing & Redevelop. Off. Housing and urban economics; economic development; international trade; population. Publ: The international secondary mortgage financing system in Central America. U.S. Housing & Home Finance Agency. 3/65; Financing problems of housing programs in developing countries. Papers & Proc. Am. Statist. Assn. 66. Address: 5807 Ridgely Rd. Washington, D.C. 20016.

SMILLIE, PROF. DAVID, b. New York, N.Y., Mar. 12, 25; m. 51; c. 2. PSYCHOLOGY. B.A. Yale, 49; M.A. Wayne, 51; Ph.D.(child develop), Cornell, 53. Mem. faculty develop. psychol, Merrill-Palmer Inst, 53-61; assoc. prof. PSYCHOL, DUQUESNE, 63-66, PROF, 66- U.S.A. 43-46. Psychol. Assn; Soc. Res. Child Develop. General developmental psychology; psychology of infancy; genetic psychology. Publ: Truth and reality from two points of view. In: The self, Harper, 56; Infantile origins of creativity, Humanities, 66; A genetic approach to creativity, Rev. Existential Psychol. Psychiat, 66. Address: Dept. of Psychology, Duquesne University, Pittsburgh, Pa. 15219.

SMITH, DR. AARON, b. New York, N.Y., Apr. 16, 18; m. 59; c. 2. PSYCHOLOGY. B.A. Brooklyn Col, 49; M.A. City Col. New York, 51; Ph.D.(psychol), Yeshiva, 58. Co-dir. brain res. proj, Rockland State Hosp, 56-59; U.S. Pub. Health Serv. res. fel. neuropsychol, inst. exp. psychol, Oxford, 59-60, neurol. inst. Columbia, 60-61; asst. prof. psychiat, Seton Hall Col. Med, 61-62; chief psychologist, Montefiore Hosp, 62-64; asst. prof. neurol. col. med, Nebraska, 64-67; ASSOC. PROF. SPEECH, SPEECH CLIN, MICHIGAN, 67- Consult, Vet. Admin. Hosp, Omaha, Nebr, 64- Psychol. Assn. Definition of structure function relationships, especially biological bases of behavior; brain and other significant organs in relationship to psychological functions. Publ: Ambiguities in studies and concepts of brain damage and organicity, J. Nerv. & Ment. Disease, 62; Intellectual functions in patients with lateralized frontal tumors, 66 & Speech and other functions after left (dominant) hemispherectomy, 66, J. Neurol. Neurosurgery & Psychiat, 67. Address: Speech Clinic, University of Michigan, 1111 E. Catherine St, Ann Arbor, Mich. 48104.

SMITH, DR. AARON, b. Boston, Mass, Nov. 3, 30; m. 52; c. 4. CLINICAL PSYCHOLOGY. A.B. Brown, 52; U.S. Pub. Health Serv. fel, Illinois, 56-57, Ph.D.(clin. psychol), 58. Asst. content anal. inst. commun. res, Illinois, 53-54, asst. & psychol. exam. student counseling serv, 54-56; psychol. intern. Phila. State Hosp, 57-58, res. clin. psychologist, rehab. serv, 58-62; CO-DIR. NORTHEAST PSYCHOL. CLIN, PHILA, 59-62; RES. COORDINATOR, HAVERFORD STATE HOSP, 62- Psychol. Assn. Research planning and administration; program evaluation; psychopharmacology; psychotherapy. Publ: Predicting the outcome of social therapy with chronic psychotics; Co-auth. Inservice training of psychiatric attendants, 67; auth. A survey of antidepressant drug evaluation, 67. Address: Research Dept, Haverford State Hospital, Haverford, Pa. 19041.

SMITH, PROF. ALAN H, b. Portsmouth, Eng, July 20, 14; m. 40; c. 6. FINANCE. LL.B. London, 36, Ph.D.(law), 64. Inspector of taxes, Bd. Inland Revenue, Eng, 38-48; asst. prin. Cent. Land Bd, 48-49; chmn. income tax, Govt. of Gold Coast, 49-54, permanent secy, Ministry of Finance, 54-56; asst. prof. FINANCE, MARQUETTE, 56-59, assoc. prof. 59-64, PROF, 64- Res. consult, League Suburban Municipalities, Milwaukee, 67- Nat. Tax Assn. State and local government finance; international aspects of taxation; banking and financial institutions. Publ: Revenue needs and trends in Mil-

waukee County, 59, State payments to local governments in Wisconsin, 60 & Financial relationships between municipalities, 61, Marquette. Address: College of Business Administration, Marquette University, Milwaukee, Wis. 53233.

SMITH, DR. ALATHENA J(OHNSON), b. Chicago, Ill, Feb. 8, 94; m. 18; c. 2. CLINICAL PSYCHOLOGY. B.A. Wellesley Col, 15; Laura Spellman & Rockefeller Found. fel, Toronto, 32-33, M.A. 33; fel, Ohio State, 42-43, Ph.D., 60. Secy. to pres, Wellesley Col, 15-16; acting dir. nursery sch, Antioch Col, 26-28; teacher, except. children, pub. schs, Wis, 29-30; psychologist, 30-37; dir. behav. clin. Wisconsin, 39, instr. psychol, Wisconsin, Milwaukee, 42; CLIN. PSYCHOLOGIST, JOHN TRACY CLIN, 48- Adj. prof, Southern California, 47-; instr, Wisconsin, Milwaukee, 48. Dipl. Am. Bd. Exam. Prinl. Psychol. Fel. Psychol. Assn; fel. Int. Coun. Psychol; World Fedn. Ment. Health. Music; development of test for clinical appraisal of hypacusis and other language handicapped children; differential diagnosis of preschool children; group and individual psychotherapy with parents. Publ: Parent counseling, Proc. Am. Instrs. Deaf; Psychometric testing of preschool children, In: Proceedings of the International Congress on Education of the Deaf and 41st Meeting of the Convention of American Instructors of the Deaf, Gallaudet Col, 63; Understanding parents: a method for helping parents and teachers with their feelings, In: An examination of the philosophy and principles underlying an effective counseling and guidance program for parents of preschool deaf children, Minneapolis Hearing Soc, 9/65. Address: 1510 S. Reeves St, Los Angeles, Calif. 90035.

SMITH, DR. A(LBERT) H(ENRY), b. Derbyshire, Eng, Nov. 1, 07; m. 43. PSYCHOLOGY. B.A. Queen's (Ont), 35, M.A. 36; Ph.D. Toronto, 50. Personnel officer, Nat. Res. Coun, Ont, Can, 38-42; lectr. psychol, Toronto, 47-50; res. scientist, Defence Res. Bd, Can, 50-52; assoc. prof. psychol, Queen's (Ont), 52-56; RES. SCIENTIST, DEFENCE RES. BD, 56- Can. Army, 42-46, Maj. Am. Psychol. Assn; Can. Psychol. Assn. Visual perception; learning theory; personnel psychology. Address: 86 Nipigon Ave, Willowdale, Ont, Can.

SMITH, PROF. ALBERT W, b. Berlin, Mass, July 30, 21; m. 48; c. 2. GEOGRAPHY. A.B. Clark, 43; fel, Colorado, 46-47, M.A. 49; Ph.D. Washington (Seattle), 52. Assoc. GEOG. Washington (Seattle), 47-48, 51; asst. prof, COLORADO, 52-58, assoc. prof. 48-55, PROF, 65-, CHMN. DEPT, 58-61, 67- Vis. lectr. Auckland Univ. Col. New Zealand, 49-50. U.S.M.C. 42-45, 1st Lt. AAAS; Am. Geog. Soc; Assn. Am. Geog. Geography of the Colorado Piedmont. Publ: Cartographer, Aridity and man, AAAS, 63; co-auth. Laboratory and field exercises in physical geography; ed. & co-organizer, Guidebook for one-day field conferences, Boulder Area, Colorado, Int. Assn. Quaternary Res, 65. Address: Dept. of Geography, University of Colorado, Boulder, Colo. 80302.

SMITH, DEAN ALEXANDER B, b. New York, N.Y., Mar. 30, 09; m. 35; c. 1. SOCIOLOGY, PSYCHOLOGY. B.S.S. & LL.B. City Col. New York, 30, M.S. 39; M.A. N.Y. Univ, 53, Ph.D.(sociol), 59. Lawyer, 30-40; parole officer, N.Y. State Div. Parole, 46-48; case supvr, probtn. dept, Supreme Court, Kings County, 48-65; prof. sociol. & chmn. dept, JOHN JAY COL, CITY UNIV. NEW YORK, 65-67, DEAN STUDIES, 67- Consult, Gov. Spec. Cmt. Criminal Offenders, N.Y., 67. Mem. rev. panel, off. juvenile delinquency & youth develop, Dept. Health, Ed. & Welfare, 64- Intel. C. U.S.A. 43-45. Fel. Sociol. Assn; Psychol. Assn; fel. Soc. Group Psychother. & Psychodrama. Small groups; group psychotherapy with adult offenders; treatment of adult criminals; sociology of law; personality research with respect to police. Publ: Co-auth. Change in attitudes and degree of verbal participation in group therapy with adult offenders, J. Consult. Psychol, 60; Interaction process and equilibrium in a therapy group of adult offenders, J. Soc. Psychol, 62; Problem of objectivity in judicial decision making, Soc. Forces, 67. Address: 274 Beach 139th St, Belle Harbor, N.Y. 11694.

SMITH, PROF. ALEXANDER F(ROTHINGHAM), b. Springfield, Mass, June 14, 19; m. 43; c. 4. EDUCATIONAL PSYCHOLOGY. B.A. Williams Col, 41; M.A. Connecticut, 49, Ph.D. 53. Teacher, high sch, Mass, 47-48; head sci. dept, Allendale Sch, N.Y., 48-50; asst. bur. ed. res. & serv, Connecticut, 50-53; instr. ed, New Hampshire, 53-55; asst. prof. psychol, SOUTH. CONN. STATE COL, 55-60, assoc. prof. PSYCHOL, 60-68, PROF, 68-, DIR. COL. TESTING CENTER, 55- Prin. investr, Nat. Defense Ed. Act Projs. U.S.N.R. 36-38; Sig. C. U.S.A. 41-46, Capt. AAAS; Psychol. Assn; Nat. Coun. Measurements in Ed; Ed. Res. Assn. Study of academically talented high school students; group testing programs for high schools; use of examinations for course credit at the college level. Publ: A guide to assessment and evaluation procedures, New England Ed. Assessment Proj, 66. Address: Dept. of Psychology, Southern Connecticut State College, 501 Crescent St, New Haven, Conn. 06515.

SMITH, PROF. A(LFRED) ARTHUR, b. Kingston, Ont, Nov. 19, 18; m. 41; c. 5. PSYCHOLOGY. B.A. Queen's (Ont), 41, B.A. 47, Leonard fel. & M.A. 48; Ph.D.(psychol), McGill, 50. Res. assoc. McGill & Allan Mem. Inst, 50-54; defence sci. serv. officer, Defence Res. Med. Labs, Ont, Can, 54-59; assoc. prof. PSYCHOL, WINDSOR, 59-64, PROF, 64-, DIR. DIV. EXP. PSYCHOL, 67- Can. Army, 41-44, Lt. AAAS. Psychophysics; color vision; statistics; psychophysiology. Publ: Electromyographic study of listening and talking, Can. J. Psychol, 54; Geometry of visual space, Psychol. Rev, 59; Multiple SR apparatus for individual and social learning, Psychol. Reports, 65. Address: Dept. of Psychology, University of Windsor, Windsor, Ont, Can.

SMITH, PROF. ALFRED G, b. The Hague, Netherlands, Aug. 20, 21; nat; m. 46. ANTHROPOLOGY. A.B. Michigan, 43; M.A. Wisconsin, 47, Ph.D. (anthrop), 56. Analyst, Off. Strategic Servs. & U.S. Dept. State, S.E. Asia & Japan, 44-46; asst. instr. philos. & anthrop, Wisconsin, 46-50; supvr. lings. & Pac. area specialist, Trust Territory Pac. Islands & U.S. Dept. Interior, 50-53; asst. prof. ANTHROP, Antioch Col, 53-56; from asst. prof. to assoc. prof, Emory, 56-62; from assoc. prof. to PROF, OREGON, 62- Consult, Ga. Dept. Pub. Health, 56-60; Peace Corps, 65-; Agency Int. Develop, 65-; Industry, 65- U.S.A. 42-45, Lt. Fel. AAAS; fel. Am. Anthropol. Assn; Ling. Soc. Am; Nat. Soc. Study Commun. Languages and cultures of Southeast Asia and Oceania. Publ: Communication and culture, Holt, 66; Com-

munication and status, Univ. Oregon, 66; Dronysian innovation, Am. Anthropol., 64. Address: Dept. of Anthropology, University of Oregon, Eugene, Ore. 97403.

SMITH, PROF. ALFRED G, JR, b. Urbana, Ill, Dec. 28, 13; m. 36; c. 2. ECONOMICS. A.B. Columbia, 34, A.M. 39, Ph.D. (econ), 54. Mem. personnel standards staff, S.H. Kress & Co, 36-38; instr. ECON, SOUTH CAROLINA, 38-41, asst. prof., 41-46, assoc. prof., 46-54, PROF, 54-, HEAD DEPT., 58-Fulbright, prof., Hopkins Bologna Center, Italy, 63-64. U.S.N.R., 43-46, Reg., 46-, Comdr. Am. Econ. Assn; Statist. Assn; Econ. Hist. Assn; Pop. Assn; Royal Econ. Soc. Economic development problems, especially readjustment of older areas to increased competition provided by newly developed areas. Publ: Economic readjustment of an old cotton state: South Carolina, 1820-1860. Address: Dept. of Economics, University of South Carolina, Columbia, S.C. 29208.

SMITH, PROF. ALLAN B(UNKER), b. Fall River, Mass, Feb. 17, 04; m. 31; c. 2. EDUCATIONAL PSYCHOLOGY. B.S. Bates Col, 27; M.S. Connecticut, 49, Ph.D., 53. Teacher high schs., 27-45; asst. dir. bur. ed. & serv., Connecticut, 46-62; PROF. ED. MEASUREMENT, R.I. COL., 62-, dir. ed. serv. center, 62-65. Psychol. Assn; Nat. Coun. Measurement in Ed; Ed. Res. Assn. Address: Dept. of Educational Measurement, Rhode Island College, Providence, R.I. 02908.

SMITH, PROF. ALLAN H(ATHORN), b. Norwood, Pa, Sept. 8, 13. ANTHROPOLOGY. A.B. Yale, 35, Ph.D. 41. Instr. ANTHROP, Texas, 39-42, asst. prof., 46-47; assoc. prof., WASHINGTON STATE, 47-51, PROF, 51- Soc. Sci. Res. Coun, fel., 50-51; anthropologist, info. & ed. sect, civil admin, Ryukyu Islands, 51-52; staff anthropologist, Trust Territory Pac. Islands, 54-55; prog. dir. anthrop. Nat. Sci. Found., 63-65. Mem. Nat. Res. Coun, 67- Anthropol. Assn; Am. Ethnol. Soc; Soc. Am. Archaeol; Soc. Ethnol; Soc. Sci. Res. Coun, Japanese Soc. Ethnol. Anthropology of Western United States, Micronesia and the Far East. Address: Dept. of Anthropology, Washington State University, Pullman, Wash. 99163.

SMITH, DR. ALVIN H(ALL), b. St. Louis, Mo, Dec. 4, 26; m. 57; c. 2. PSYCHOLOGY. A.B. Missouri, 50, M.Ed. 54, Ph.D., 61; B.D. Dubuque, 53. Counsr, Missouri, 54-55; instr. psychol, Hampden-Sydney Col, 56-57, asst. prof., 58-62, assoc. prof. & dir. psychol. serv., 62-65, asst. dir. Presby. Guid. Center, 56-58, acting dir., 59-62; ASSOC. PROF. PSYCHOL, ST. ANDREWS PRESBY. COL., 65-, CHMN. DIV. BEHAV. SCI., 67- Nat. Sci. Found. summer fel. Fla. State, 62- U.S.A. 45-46. Psychol. Assn; Personnel & Guid. Assn; Psychomet. Soc; Ed. Res. Assn; Nat. Coun. Measurements in Ed. Development and validation of an attitude scale for ministers; counseling; measurement and evaluation. Address: Dept. of Psychology, St. Andrews Presbyterian College, Laurinburg, N.C. 28352.

SMITH, DR. ANNA GREENE, b. U.S. Oct. 19, 12. SOCIOLOGY, ECONOMICS. B.A., Cumberland, 32; M.A., George Peabody Col, 36; Columbia, 38 & 40; Rosenwald fel., North Carolina, 43-44, univ. fel., 43-45, Ph.D. (sociol), 49; California, 59. Teacher, high sch., Tenn., 32-35; instr. sociol., La. Polytech., 36-42; asst. prof. ECON. & SOCIOL., Meredith Col., 46-48; ASSOC. PROF., AGNES SCOTT COL., 49- Summer vis. prof., North Carolina, 52, Emory, 58-61, Oglethorpe, 60. Consult. South. Regional Coun., 51-52. Sociol. Assn; Econ. Assn. Population; regionalism; rural and urban communities; population changes in the south; community change through city growth. Publ: How to study the South; Population changes in Georgia, Ga. Sci. Quart; Southern regional literature, Southwest. Soc. Sci. Quart. Address: Dept. of Sociology, Agnes Scott College, Decatur, Ga. 30030.

SMITH, PROF. ANTHONY J(OSEPH), b. Cincinnati, Ohio, Oct. 8, 16; m. 41; c. 3. PSYCHOLOGY. A.B., Columbia, Los Angeles, 39, Ph.D. (psychol), 45. Instr. PSYCHOL, Illinois, 45-46; asst. prof., KANSAS, 46-51, assoc. prof., 51-54, PROF, 54-, CHMN. DEPT., 53-62, 66- Lectr., Minnesota, 44-45; U.S. Pub. Health Serv. spec. res. fel., Tavistock Clin., London, Eng., 62-63. Personnel technician, Los Angeles County Civil Serv. Cmn., 41. Consult. Vet. Admin. AAAS; Psychol. Assn. Group dynamics; group discussion processes; group psychotherapy; phases in group development. Publ: Consonance of interpersonal perception and individual effectiveness, Human Rel.; Developmental changes in cognitive balance, J. Psychol., 65; co-auth. Recognition thresholds for value-related words: differences between inner-directed and other-directed subjects, J. Personality & Soc. Psychol., 66. Address: Dept. of Psychology, University of Kansas, Lawrence, Kans. 66044.

SMITH, DR. A(RCHIBALD) DONALD, b. Elliot's Cove, Newf., Feb. 2, 22; nat; m. 47; c. 2. CLINICAL PSYCHOLOGY. B.A., Amherst Col., 49; Ph.D. (psychol), Rochester, 57. Assoc. clin. psychologist, Rochester State Hosp., N.Y., 54-65; CHIEF CLIN. PSYCHOLOGIST, MONROE COUNTY MENT. HEALTH CLIN. FOR COURTS & PROB. DEPTS., 65- Assoc. clin. lectr., Rochester, 55-65, asst. prof., 60-61, clin. assoc. sch. med. & dent., 65- Consult. Attica State Prison, 57-65; Genesee Valley Presbytery, 65-; N.Y. State Div. Youth, 66- U.S.A.F., 42-45, Sgt. Psychol. Assn. Group and individual psychotherapy; criminal psychology; family problems. Address: 80 Towpath Lane, Rochester, N.Y. 14618.

SMITH, DR. ARTHUR E(DWARD), b. Doon, Iowa, May 15, 26; m. 46; c. 2. EDUCATIONAL PSYCHOLOGY. B.S., Illinois State, 48, M.S., 49; Ed.D., Illinois, 57. Dir. guid., Charleston High Sch., Ill., 49-52; asst. prof. counseling, Southern Illinois, 55-58; exec. asst., Nat. Merit Scholar. Corp., 58-60, dir. sch. servs., 60-61, dir. ed. servs., 61-62, v-pres., 62-67; ASSOC. PROF. ED. PSYCHOL. & DIR. STUDENT COUNSELING BUR., MINNESOTA, MINNEAPOLIS, 67- U.S.N.R., 43-46, Ens. Psychol. Assn; Personnel & Guid. Assn; Ed. Res. Assn. Selection and counseling of able students; social perception; educational measurement. Publ: What tests can tell you about you; Some social psychological aspects of the high school orientation program, J. Ed. Sociol. Address: Student Counseling Bureau, 101 Eddy Hall, University of Minnesota, Minneapolis, Minn. 55455.

SMITH, DR. ARTHUR J(AMES) R(ALPH), b. Simcoe, Ont., Jan. 7, 26; m. 48; c. 3. ECONOMICS, MATHEMATICS. B.A., McMaster, 47; M.A., Harvard, 49, univ. fel., 49-50, Soc. Sci. Res. Coun. fel. & Ph.D. (econ), 55. Economist,

Fed. Reserve Bank New York, 50-54; Can. off., Nat. Indust. Conf. Bd., 54-57; dir. res. & secy-treas., Private Planning Assn. of Can., 57-63; dir., ECON. COUN. OF CAN., 63-67, CHMN., 67- Lectr., McGill, 55-56. Dir. res., Can-Am. Cmt., 57-63; secy., Can. Trade Cmt., 57-63; mem., Soc. Sci. Res. Coun; Sci. Coun. of Can., 67- Am. Econ. Assn; Can. Econ. Soc. Money and banking; international trade and payments; economic fluctuations and growth; government economic policy. Publ: The Canadian economy, Univ. Kiel, 67; Canada's policy problem, In: Canada and the new international economy; The Economic Council of Canada, Can. Banker, 1/64. Address: Economic Council of Canada, P.O. Box 527, Ottawa, Ont., Can.

SMITH, DR. A(RTHUR) LAMONT, b. U.S., Feb. 9, 12; m. 36; c. 3. CRIMINOLOGY. B.A., Redlands, 35; M.S., Southern California, 44, D.P.A., 57. Asst. probtn. officer, San Bernardino County, Calif., 35-59; asst. to warden & parole officer, fed. corrections inst., U.S. Dept. Justice, 39-41; assoc. warden, State Inst. Men, Calif., 41-45, 46-52; dist. dir., UNRRA, U.S. Govt., Germany, 45-46; exec. officer, State Bd. Corrections, Calif., 52-60; LECTR. CRIMINOL., SCH. CRIMINOL., CALIFORNIA, 60- Lectr., Southern California, 43-44; Sacramento State Col., 58-60. Spec. consult., Senate Judiciary Cmt., Calif., 60-61; Calif. Assembly Cmt. Criminal Procedure, 63-64; Calif. Joint Legis. Penal Code Rev. Cmt., 65-66. Soc. Pub. Admin; Soc. Criminol; Correctional Assn; Int. Assn. Chiefs Police. Evaluation of prison operations and treatment procedures; probation, parole and correctional administration; capital punishment; correctional legislation. Publ: Study guide for manual of correctional standards, Am. Correctional Assn., 68; Field experience—the potential for learning, West. Interstate Cmn. Higher Ed., 12/65; Probation and parole report committee on criminal procedure, Assembly, State of Calif., 1/65. Address: School of Criminology, University of California, Berkeley, Calif. 94720.

SMITH, DR. AUSTIN M, JR, b. Wills Point, Tex., Mar. 15, 30; m. 57; c. 2. ACCOUNTING. B.B.A., Southern Methodist, 57, M.B.A., 60; Ph.D. (acct), Illinois, 67. Staff acct., Arthur Andersen & Co., 60-62; instr. ACCT., Arlington State Col., 62-63; Illinois, 63-66; ASST. PROF., Washington (Seattle), 66-67; TEXAS, ARLINGTON, 67- Acct. Assn; Inst. Cert. Pub. Acct. Accounting theory; auditing. Address: 1806 Cresthaven Dr., Arlington, Tex. 76010.

SMITH, BERNARD J(OSEPH), b. Liverpool, Eng., Aug. 29, 00; nat; m. 29; c. 8. URBAN & REGIONAL DEVELOPMENT, SOCIOLOGY. B.Eng., Liverpool, England, 23, M.Eng., 26. Field engr., Underpinning & Found. Co., New York, 24; engr. inspector, N.Y. & N.J. Tel. Co., 24-25, underground conduit engr., Ohio Bell Tel. Co., 25-26; asst. sanit. engr., Alexander Potter, New York, 26-30; design engr., Humble Oil & Ref. Co., Tex., 30-32; city mgr. munic. admin., Baytown, 32-33; engr. exam., Pub. Works Admin., Ft. Worth, 34-37, dir. res. & personnel, 38-41, acting state dir. urban & regional planning, Pub. Work Reserve, 41-42, asst. regional rep. & economist, Nat. Housing Agency, Dallas, 42-47; CONSULT. ENGR. & ECONOMIST, 47- Lectr., Texas Christian, 40-43; Southern Methodist, 47-53. Chief plans & reports unit, corps engrs., San Francisco Dist., 57-65, staff engr., San Francisco Bay Conserv. & Develop. Cmn., 65-66. Del. Fed. Personnel Coun., Dallas-Ft. Worth Area, Tex., 43; state chmn., Consult. Eng. Coun., 56; mem. resources group, Gov. Task Force on Transportation, Calif., 67- AAAS; Econ. Assn; Planning Assn; fel. Soc. Civil Eng.; Water Works Assn; Acad. Polit. & Soc. Sci. Interaction of environment, fusional culture, space demands, social forces and economic determinants, in urban and regional planning; international relations, economics; social trends. Publ: Town building; Elements of housing market analysis; The tides of San Francisco Bay. Address: 22 Sea Cliff Ave., San Francisco, Calif. 94121.

SMITH, DR. BERNICE S, Psychol, see 10th ed, Soc. & Behav. Vols.

SMITH, PROF. BERT A(USTIN), b. Auburn, Nebr., July 20, 20; m. c. 3. POLITICAL SCIENCE. A.B., Nebraska, 42; Stanford, 43; M.A., Missouri, 50. From asst. instr. to instr. hist. & polit. sci., Missouri, 46-50, asst. to dir. bur. govt. res., 58-60; instr., Monticello Col., 50-52; Christian Col., 52-58; ASSOC. PROF. POLIT. SCI., INDIANA UNIV. PA., 60- Summer vis. prof., Cent. Mo. State Col., 55. Consult., State Dept. Agr., Mo., 56. U.S.A., 42-46. Polit. Sci. Assn; Acad. Polit. & Soc. Sci. Analysis of American national governments, especially political parties and legislative processes. Address: 366 N. Fifth St., Indiana, Pa. 15701.

SMITH, DR. BERTRAM J(OSEPH), b. New York, N.Y., Aug. 7, 16; m. 51. PSYCHOLOGY. Bacc. en Phil., Louvain, 39; M.A., Minnesota, 50, Ph.D. (psychol), 54. Instr. biol., Seton Hall Col., 47-48; Boston Col., 48-50; res. psychologist, aero med. lab., U.S. Air Force, 51-52, chief res. br., hq. 8th Air Force, 52-55, res. psychologist, Cambridge Res. Center, 55-56; eng. psychologist, Gen. Elec. Missile & Space Vehicle Dept., 56-63; Appl. Sci. Assocs., 63-65; ASSOC. PROF. BEHAV. SCI., DREXEL INST., 65- U.S.A., 43-45. AAAS; Psychol. Assn; Human Factors Soc; Inst. Elec. & Electronics Eng. Human engineering; psychophysiology of vision; human factors in aircraft accidents. Publ: Design and evaluation of the human subsystem in missile and space systems; Criteria for design of training devices; Studies in organizational behavior. Address: 236 Makefield Rd., Morrisville, Pa. 19067.

SMITH, DR. BRENTON H, Mod. European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SMITH, PROF. BRUCE LANNES, b. Webster Groves, Mo., Dec. 11, 09; m. 46; c. 2. POLITICAL SCIENCE. Ph.B., Chicago, 33, Gen. Ed. Bd. fel., 36-38, Ph.D., 57. Asst. polit. sci., Chicago, 34-38; instr. econ., N.Y. Univ., 38-41; propaganda & orgns. analyst, spec. defense unit, U.S. Dept. Justice, 41-43; sr. intel. officer, For. Econ. Admin., 43-44; res. & anal. br., Off. Strategic Servs., 44-45; attaché to U.S. polit. adv., Germany, 45-46; dep. chief pubs. control br., info. control. div., U.S. Mil. Govt. for Germany, 46-48; res. assoc. soc. sci. div., Chicago, 48-50; assoc. prof. POLIT. SCI., For. Serv. Inst., U.S. Dept. State, 50-53; MICH. STATE, 53-59, PROF, 59- Lectr., grad. sch., American Univ., 42, 43, 60. Ed. Int. Polit. Sci. Abstracts, 51- Polit. Sci. Assn; Acad. Polit. & Soc. Sci; Sociol. Assn; Am. Pub. Opinion Res; World Assn. Pub. Opinion Res; Soc. Int. Develop. Public opinion and propaganda; international communication. Publ: Co-auth. International communication and political opinion, 46 & Propaganda, communication and public opinion,

- 46, Princeton; auth, Indonesian-American cooperation in higher education, Mich. State Univ, 60. Address: Dept. of Political Science, Michigan State University, East Lansing, Mich. 48823.
- SMITH, PROF. BULKELEY, JR, b. Worcester, Mass, Mar. 11, 21; m. 47; c. 1. SOCIOLOGY. B.A. Yale, 47, M.A., 54, univ. scholar, 54-55, Henry A. Page fel, 55-57, Ph.D.(sociol), 58. Instr. Eng, Yale, 47-48; asst. prof. SOCIOL. MT. HOLYOKE COL, 57-65, ASSOC. PROF, 65- With Am. Field Serv, 42-45. Fel. Sociol. Asn; Brit. Inst. Race Rel. Race relations; the community; urban ecology; stratification; colored immigrants in Britain. Publ: Holyokes Negro families; Differential residential segregation of working class Negroes in New Haven, Am. Sociol. Rev; The newcomers, Lancet, 10/65. Address: Dept. of Sociology, Mount Holyoke College, South Hadley, Mass. 01075.
- SMITH, DR. BURKE M(CUIRE), b. Durham, N.C., Aug. 23, 12; m. 41. PSYCHOLOGY. A.B. Duke, 34, M.A., 37, Ph.D.(psychol), 47. Chief clin. psychologist, Vet. Admin. Ment. Hyg. Clin. N.C., 47-50, chief clin. psychol. serv, Vet. Admin. Hosp, Roanoke, Va. 50-60; ASSOC. PROF. PSYCHOL. & CHIEF CLIN. PSYCHOLOGIST, SCH. MED, VIRGINIA, 61- Consult, Vet. Admin. Hosp, Salem, Va. 60- U.S.N.R., 42-46, Lt. AAAS; Psychol. Asn. Drug effects on sensory and extrasensory perception; clinical psychology; effects of sodium amytal upon visual perception of forms; use of drugs in psychiatric interviews. Publ: Co-auth, Unconscious motivation and the polygraph test, Am. J. Psychiat, 63 & Effectiveness and processes of interviewing with drugs, J. Psychiat. Res, 66; auth, The polygraph, Sci. Am, 67. Address: Box 129, University of Virginia Hospital, Charlottesville, Va. 22901.
- SMITH, PROF. C. FRANK, Statist, see 10th ed, Soc. & Behav. Vols.
- SMITH, PROF. CALEB A(LLEN), b. Boston, Mass, Oct. 10, 14; m. 37; c. 4. ECONOMICS. S.B. Harvard Col, 37; fel, Harvard, 41-43, M.A., 42, Ph.D., 43. Instr. econ, Harvard, 43-46; asst. prof, Swarthmore Col, 46-48; prof. & chmn. dept. econ. & bus. admin. & admin. asst. to pres, Wilmington Col, 48-50; assoc. prof. ECON, Brown, 50-66; PROF-IN-CHARGE, SOUTHEAST. MASS. TECH. INST, 66- Vis. lectr, Harvard Univ, 59-62; prin, Kaimosi Training Col, Kenya, 63-65. Econ. Asn; Royal Econ. Soc. Economic validity of accounting conventions; effects of religious ideas on economic thought. Publ: Cost-output relation for the U.S. Steel Corporation, Rev. Econ. Statist; contrib, Survey of the empirical evidence on economies of scale, Bus. Concentration & Price Policy. Address: Dept. of Economics, Southeastern Massachusetts Technological Institute, Dartmouth, Mass. 02747.
- SMITH, PROF. CARL E(LLSWORTH), Psychol, see 10th ed, Soc. & Behav. Vols.
- SMITH, PROF. CARL O, b. Carbondale, Ill, Oct. 26, 04; m. 3; c. 3. POLITICAL SCIENCE. B.Ed, South. Ill. Norm. Univ, 25; Chicago, 26; A.M. Iowa, 33, Ph.D., 35. Instr. POLIT. SCI, WAYNE STATE, 35-37, asst. prof, 37-43, asst. prof, 43-54, PROF, 54- Polit. Sci. Asn. Political processes; book of ballots; hate propaganda in Detroit. Address: Dept. of Political Science, Wayne State University, Detroit, Mich. 48202.
- SMITH, DR. CARLYLE S(HREEVE), b. Great Neck, N.Y., Mar. 8, 15; m. 42; c. 2. ANTHROPOLOGY. A.B. Columbia, 38, Ph.D., 49. Asst. prof. ANTHROP, KANSAS & asst. curator anthrop, mus. natural history, 47-54, assoc. prof. & assoc. curator, 54-60, PROF, 60-, curator, 60-68. Archaeol. field work, N.Y., 32-43, 46-47, N.Dak, 38, Nebr, 39, La., 40-41, Kans, 47- & S.Dak, 50-53, 55, 59; mem. Norweg. archaeol. exped, Easter Island & E.Pac, 55-56, France, 60, Marquesas Islands, 63 & Italy, 64; archaeol. guide, Lindblad Travel, Inc, N.Y., 67- Mem. div. behav. sci, Nat. Res. Coun-Nat. Acad. Sci, 64- U.S.A.A.F, 43-46. Fel. Anthropol. Asn; Soc. Archaeol. (1st v-pres, 54, asst. ed, 50-55); Ethnol. Soc; fel. Soc. Hist. Archaeol. Archaeology of coastal New York, Anthropol. Papers, Am. Mus. Natural Hist; The Spain site, a winter village in Fort Randall Reservoir, South Dakota, Bull. Bur. Am. Ethnol; A temporal sequence derived from certain AHU, Monogr. Sch. Am. Res. & Mus. N.Mex. Address: 2719 Harvard Rd, Lawrence, Kans. 66044.
- SMITH, DR. CAROLE ROBINSON, b. St. Louis, Mo, Sept. 4, 41; m. 64. SOCIAL PSYCHOLOGY. B.A., Washington (St. Louis), 63, Nat. Inst. Ment. Health grant, 64-67, M.A., 68, Ph.D.(soc. psychol), 67. RES. PROJ. DIR. I, ST. LOUIS COUNTY HEALTH DEPT, 67- Study of social organizations; the determinants and development of interpersonal relationships; attitude formation and change. Publ: Co-auth, Values, status and professors, Sociometry, 9/66 & Race, sex and belief as determinants of friendship acceptance, J. Personality & Soc. Psychol, 2/67. Address: St. Louis Co. Health Dept, 801 S. Brentwood Blvd, Clayton, Mo. 63105.
- SMITH, PROF. CARROLL EDWIN, b. Sandyville, W.Va, Oct. 14, 25; m. 57; c. 2. PSYCHOLOGY. A.B. Morris Harvey Col, 50; M.A., Columbia, 52; Ph.D.(psychol), Missouri, 60. Asst. prof. psychol, W.Va. State Col, 59-60; res. analyst, Voc. Rehab. Admin, 60-61; asst. prof. PSYCHOL, West. Col, 61-62; assoc. prof, RADFORD COL, 62-63, PROF, 63- Consult, bur. hearings & appeals, Soc. Security Admin, 63- Psychol. Asn. Learning; comparative psychology; animal social behavior; social psychology. Publ: Effect of anxiety on the performance of authoritarian and non-authoritarians in a small group situation, J. Psychol, 64. Address: Box 755, Radford College Station, Radford, Va. 24141.
- SMITH, PROF. CECIL N(UCKOLS), b. Cartersville, Va. May 25, 20; m. 46; c. 4. AGRICULTURAL ECONOMICS. B.S. Va. Polytech, 41; univ. fel, Virginia, 46-47, M.A., 47, Gen. Ed. Bd. fel, 47-48; Ph.D., California, 57. Asst. California, 48-50; assoc. prof. AGR. ECON, Va. Polytech, 51-52; FLORIDA, 52-63, PROF, 63-, AGR. ECONOMIST, AGR. EXP. STA, 63- Summers, Col-Bus. Exchange fel, 61, vis. prof, Southern Illinois, 62. Consult, Bur. Census, 57-59; state exp. sta. div, U.S. Dept. Agr, 57-62; agr. economist & chief of party, Univ. Fla-Agency Int. Develop. contract, San Jose, Costa Rica, 65-66. Chmn. tech. cmt, South. Regional Proj. Mkt. Flowers & Ornamentals, 54-58. U.S.N., 42-46, Comdr. Am. Agr. Econ. Asn; Econ. Asn;
- Int. Asn. Agr. Econ. Agricultural marketing; international trade. Address: Dept. of Agricultural Economics, University of Florida, Gainesville, Fla. 32603.
- SMITH, DR. CHARLES H(UGH), b. Cape Town, S.Africa, June 20, 35; m. 61; c. 3. ACCOUNTING, BUSINESS ADMINISTRATION. B.Comm, Cape Town, 58; M.S. Pa. State, 61, Haskins & Sells Found fel, 65, Lybrand Found. fel, 67, Ernst & Ernst Found. fel, 67, Ph.D.(bus. admin), 68. Jr. acct, H. Tarley & Co, S.Africa, 56-59, sr. acct, 59-60; mgr. ACCT, Cecil Kilpin & Co, 61-62; Greenwood, Poulton & Co, 62-64; instr, Pa. State, 65-66; ASST. PROF, WASHINGTON (SEATTLE), 68- Soc. Gen. Sys. Res; Am. Acct. Asn. Development of general framework for accounting theory using systems approach; ascertaining applicability of information theory and concepts such as information overload to accounting discipline in general and for solution of practical problems. Address: Mackenzie Hall, University of Washington, Seattle, Wash. 98105.
- SMITH, PROF. CHARLES J(AMES), Psychol, see Suppl. V to 11th ed, Phys. & Biol. Vols.
- SMITH, DR. CHARLES P(HILIP), b. Superior, Wis, Dec. 9, 31; m. 53. SOCIAL PSYCHOLOGY. B.A. Ohio Wesleyan, 53; Fulbright scholar, Vienna, 53-54; M.A. Michigan, 55, Ph.D.(soc. psychol), 61. Instr. PSYCHOL, Michigan, 58-59; lectr, Princeton, 59-61, asst. prof, 61-67; ASSOC. PROF, BROOKLYN COL, 67- Psychol. Asn. Human motivation; psychology of religion. Publ: Co-auth, Evaluation of the objectivity of the method content analysis & How to learn the method of content analysis for achievement, affiliation and power, In: Motives in fantasy, action and society. Address: Dept. of Psychology, Brooklyn College, Brooklyn, N.Y. 11210.
- SMITH, PROF. CHARLES U(LLMAN), b. Birmingham, Ala, Oct. 16, 23; m. 51; c. 1. SOCIOLOGY. B.S. Tuskegee Inst, 44; M.A., Fisk, 46; fel, Washington State, 48-50, Ph.D.(sociol), 50. Chmn. dept, SOCIOL, FLA. AGR. & MECH, 46-48, PROF, 50- Ford Ed. Forum fel, 55; fel, Connecticut & inst. geront, Michigan, 58; vis. prof, Fla. State. Consult, Gov. Bi-racial Cmn, Fla, 60; U.S. Off. Ed, 64- Sociol. Asn. Social pathology and stratification; intergroup relations. Publ: The sit-in demonstrations and the new Negro student, J. Intergroup Rel; Race human relations and the changing South, Phylon; co-auth, Negro protest leaders in a Southern community, Soc. Forces. Address: 2611 Potsdamer St, Tallahassee, Fla. 32304.
- SMITH, DR. CHRISTOPHER, b. Hornell, N.Y., Nov. 29, 11; m. 51. SOCIOLOGY. B.S. Springfield Col, 34; M.A. Columbia, 36, Ph.D.(sociol), 64. Instr. SOCIOL, Minnesota, 47-48; private researcher, 48-64; instr, HARTFORD, 64-65, ASST. PROF, 65- Demobilization Award, Soc. Sci. Res. Coun, 46. A.U.S., 42-46, M/Sgt. Sociol. Asn; Pop. Asn. Am. Urban sociology; social mobility; social theory; social change. Publ: Social selection in community leadership, Soc. Forces, 5/37. Address: Dept. of Sociology, University of Hartford School of Arts & Sciences, Hartford, Conn. 06119.
- SMITH, DR. CLAGETT GORDON, b. Washington, D.C., Dec. 4, 30; m. 60; c. 2. SOCIAL PSYCHOLOGY. B.A. Maryland, 53, M.A., 55; Ph.D.(psychol), Michigan, 61. Study dir. soc. psychol, inst. soc. res, Michigan, 60-64; ASSOC. PROF. SOCIOL, Wisconsin, Milwaukee, 64-68; NOTRE DAME, 68- Res. assoc. & Carnegie Found. res. grant, 60-64; prin. investr. & Off. Naval Res. grant, 64-66; prog. dir, Nat. Inst. Ment. Health grant, 66-68. Sociol. Asn; Psychol. Asn; Soc. Psychol. Study Social Issues. Social psychology of conflict resolution; organizational performance; decision and problem solving processes in small groups and complex organization; scientific creativity; mental health administration. Publ: Organizational factors in scientific performance, Univ. Wisconsin, 67; Organizational control structure, Human Rel, 63; Some conditions and consequences of intra-organizational conflict, Admin. Sci. Quart, 66. Address: Dept. of Sociology & Anthropology, University of Notre Dame, Notre Dame, Ind. 46556.
- SMITH, DR. CLARENCE E(RNEST), b. Riverside, Calif, Jan. 18, 15; m. 41; c. 2. ANTHROPOLOGY. B.A. California, Berkeley, 40, Ph.D.(anthrop), 50. Sr. preparator anthrop. mus. California, Berkeley, 47-50; asst. prof, San Francisco State Col, 50-53; dir, Palm Springs Desert Mus, 53-64; ASSOC. PROF. ANTHROP, CALIF. STATE COL. HAYWARD, 64-, CHMN. DEPT. GEOG. & ANTHROP, 66- Dept. Health, Ed. & Welfare grant & consult, Inland Valley Sch. Pilot Proj. Archaeol, 66- Soc. Am. Archeol; Anthropol. Asn; Asn. Mus. Archeology; prehistory; western United States; cultural ecology; primitive technologies; old world prehistory. Publ: Archeology of the Shasta Dam area, 52 & co-auth, Indians of southern California, 69, Univ. California; auth, Guide to the desert, Palm Springs Desert Mus, 59. Address: Dept. of Geography & Anthropology, California State College at Hayward, 25800 Hillary St, Hayward, Calif. 94542.
- SMITH, DR. CLODUS RAY, b. Blanchard, Okla, May 15, 28; m. 50; c. 3. AGRICULTURAL EDUCATION. B.S. Okla. Agr. & Mech. Col, 50; M.S. Okla. State, 55; Ed.D.(agr. ed), Cornell, 60. Instr. vet. agr. training prog, high sch, Okla, 49-50; asst. rural ed, Cornell, 57-59; asst. prof. AGR. ED, MARYLAND, 59-62, ASSOC. PROF, 62-, DIR. SUMMER SCH, 63- Danforth Found. sr. faculty assoc, 66- Dir. staff develop. training prog, Off. Ed, 65, leadership develop. seminars, 66, 67 & 68 & prog. planning budgeting syst. seminar, 67. Consult, Off. Econ. Opportunity. Voc. Asn. Leadership development and extension education; leadership development and technical education for state department of education personnel; rural recreation. Publ: Co-auth, Rural recreation for profit, Interstate, 66; auth, Planning and paying your way to college, Macmillan, 68. Address: Summer School Office, University of Maryland, College Park, Md. 20742.
- SMITH, DR. COLIN M(CPHERSON), b. Edinburgh, Scotland, Mar. 14, 27; Can. citizen; m. 62; c. 3. PSYCHIATRY. M.B. Ch.B. Glasgow, 49, M.D., 59; Can. Fed-Prov. scholar, London, 58-59; M.D. Saskatchewan, 62. Dep. dir. psychiat. res, SASK. DEPT. PUB. HEALTH, 56-66, DIR. PSYCHIAT. SERV, 67- Res. asst, inst. psychiat, Maudsley Hosp, Univ. London, 59; lectr, Saskatchewan, 60-62, asst. prof, 61-63, assoc. prof, 63-67, part-time clin. asst. prof, 67-, consult, univ. hosp, 56-67. Cert. specialist in psychiat, Royal Col. Physicians & Surg, Can, 55, fel, 56. Can. Psychiat. Asn; Can. Ment. Health

Asn. (award, 61); Royal Medico-Psychol. Asn. Alcoholism; narcolepsy; schizophrenia; philosophy of science; statistics; psychology; family studies in mental illness; follow up of psychiatric patients; psychiatric administration. Publ: Co-auth. The family doctor in a program of comprehensive psychiatric care, In: New aspects of the mental health services, Pergamon, 67; auth. The unscientific bases of psychiatry, J. Neuropsychiat, 3: 67-74, 61; co-auth. The comprehensive psychiatric unit in the general hospital, Am. J. Psychiat, 121: 52-57, 64. Address: Psychiatric Services, Saskatchewan Dept. of Public Health, Provincial Health Bldg, Regina, Sask, Can.

SMITH, DEAN CONSTANCE E(LIZABETH), b. Cleveland, Ohio, Nov. 3, 22. POLITICAL SCIENCE. A.B. Wellesley Col, 44; A.M. Radcliffe Col, 48, Ph.D.(govt), 51. Fulbright fel, London, 51-52; instr. govt. Wheaton Col, 53-54, asst. prof, 54-57; Douglass Col, Rutgers, 57-59, assoc. prof. & dir. res. & progs, Eagleton Inst, 60-61; dir, RADCLIFFE INST, 61-65, DEAN, 65- Political parties; international relations; political theory. Publ: Election and voting laws. Address: Radcliffe, 3 James St, Cambridge, Mass. 02138.

SMITH, PROF. CYRIL STANLEY, Phys. Metall, see 11th ed, Phys. & Biol. Vols.

SMITH, PROF. DAN T(HROOP), b. Chicago, Ill, Nov. 20, 07. FINANCE. A.B. Stanford, 28; London, 28-29; Ph.D. Harvard, 34; Sc.D. Iowa Wesleyan Col, 62. Instr. econ, HARVARD, 30-37, asst. prof. FINANCE, GRAD. SCH. BUS. ADMIN, 37-40, assoc. prof, 40-45, PROF, 45- Vis. prof, Stanford, 63 & 68. Spec. asst. to Secy. of Treas, 53-56, dep. to secy, 57-59. Civilian with U.S.A.A.F, 43-45. Econ. Asn. Federal finance and taxation. Publ: Effects of taxation on corporate financial policy; Federal tax reform; Tax factors in business decisions. Address: Graduate School of Business Administration, Harvard University, Boston, Mass. 02163.

SMITH, DR. DANIEL M, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SMITH, DR. DAVID A(UGUST), b. Paris, Tex, Feb. 3, 30; m. 51. GEOGRAPHY. B.A. Ohio State, 52; M.A. Michigan, 53, fel, 54-56, Ph.D.(geog), 59. Asst. GEOG, Michigan, 53-54; instr. Hawaii, 56-57; asst. prof, Pa. State, 57-63, ASSOC. PROF, STATE UNIV. N.Y. BUFFALO, 63- Summer res. geog, Kroger Co, 55. Asn. Am. Geog; Nat. Coun. Geog. Ed; Am. Geog. Soc; Regional Sci. Asn. Transportation geography; Western Europe. Address: Dept. of Geography, State University of New York, Buffalo, N.Y. 14214.

SMITH, DR. DAVID B(ERL) D(EAN), b. Willows, Calif, Apr. 13, 33; m. 60; c. 2. PSYCHOLOGY. B.A. California, Los Angeles, 58, Ph.D.(psychol), 64. Instr. psychol, res. psychologist & res. scholar, California, Los Angeles, 64; RES. PSYCHOLOGIST, NASA, AMES RES. CENTER, 65- U.S.A., 54-56. AAAS; Psychol. Asn; Soc. Psychophysiol. Res. Relationship of behavior to autonomic functions and the electroencephalogram; effects of stress and environmental factors on behavior and physiological functions; application of computer technology to psychophysiological research. Publ: Autonomic balance during phasic anxiety, 65 & co-auth. A cardiachometer with linear indication of beat-to-beat frequency, 68, Psychophysiology; auth. Stimulus duration and the human heart rate response, Psychonomic Sci, 68. Address: Ames Research Center, National Aeronautics & Space Administration, Moffett Field, Calif. 94035.

SMITH, PROF. D(AVID) C(HADWICK), b. India, Aug. 12, 31; nat. Can; m. 55; c. 2. ECONOMICS. B.A. McMaster, 53; fel, Harvard, 56-58, Ph.D.(econ), 59; M.A. Oxford, 59. Asst. prof. bus. admin, California, 59-60; ECON, QUEEN'S (ONT), 60-66, PROF, 66- Am. Econ. Asn; Can. Econ. Asn. Business cycles; economic policies in an open economy; wage-price issues. Address: Dept. of Economics, Queen's University, Kingston, Ont, Can.

SMITH, PROF. DAVID D(UNCAN), b. Montreal, Que, July 8, 27; m. 49; c. 5. PSYCHOLOGY. B.A. Sir Geo. Williams Univ, 49; M.A. Minnesota, 50; Ph.D. McGill, 57. Asst. to student counsr, Sir Geo. Williams Univ, 50-51, lectr. psychol. & student counsr, 51-56; personnel asst, Can. Nat. Rwys, 56-58; guid. officer, McGill, 58-60, asst. prof. psychol. & course dir, staff develop. insts, 59-60; assoc. prof. PSYCHOL, BISHOP'S (CAN), 60-65, PROF, 65-, HEAD DEPT, 60- AAAS; Am. Psychol. Asn; Can. Psychol. Asn; Int. Neuro-psychol. Soc. Learning theory; brain function. Publ: Mammalian learning and behavior, Saunders, 65. Address: Dept. of Psychology, Bishop's University, Lennoxville, Que, Can.

SMITH, DR. DAVID HORTON, b. Los Angeles, Calif, May 2, 39; m. 64. SOCIOLOGY, PSYCHOLOGY. A.B. Southern California, 60; hon. Woodrow Wilson fel, Harvard, 60-61, Nat. Sci. Found. fel, 60-63, A.M., 62, Ph.D.(sociol), 65. Res. fel, center int. affairs & lectr. SOCIOL, Harvard, 65-66; ASST. PROF, SOUTHERN CALIFORNIA, 66-. CO-DIR. LAB. ORGN. RES, 67- Res. grants, Russell Sage Found. & Carnegie Corp, 67-68. Consult, California, Berkeley, Harvard, Brandeis & Northeastern 64-67; Int. Bus. Mach. Corp. summer 67. Sociol. Asn; Psychol. Asn; Soc. Psychol. Study Social Issues. Formal volunteer organization participation, prevalence and structure; social and psychological effects of modernization; general theory of social groups; social research methodology and techniques. Publ: A psychological model of individual participation in formal voluntary organizations, Am. J. Sociol, 11/61; co-auth. The OM scale: a social-psychological measure of individual modernity, Sociometry, 12/66; Auth. A parsimonious definition of group: toward conceptual clarity and scientific utility, Soc. Inquiry, spring 67. Address: Dept. of Sociology & Anthropology, University of Southern California, University Park, Los Angeles, Calif. 90007.

SMITH, PROF. DAVID KINGSBURY, b. Proctor, Vt, Apr. 20, 21; m. 42; c. 4. ECONOMICS. A.B. Middlebury Col, 42; I.A. Harvard, 43, M.B.A. 46, M.A., 49, Ph.D., 51. Instr. ECON, Lake Forest Col, 46-47; asst. prof. MIDDLEBURY COL, 50-56, from assoc. prof. to PROF, 56- Found. Econ. Ed. fel, 51, 58. U.S.N.R., 43-46, Lt; U.S.A.R., 58-60, Capt. Econ. Asn. Government regulation of business; public utility economics. Address: Dept. of Economics, Middlebury College, Middlebury, Vt. 05753.

SMITH, DR. DAVID M(ARSHALL), b. Birmingham, Eng, July 16, 36; m. 61; c. 1. ECONOMIC GEOGRAPHY. B.A. Nottingham, 58, Ph.D.(geog), 61.

Res. asst. town & country planning, Staffordshire County Coun, 61-63; lectr. GEOG, Manchester, 63-66; vis. prof, SOUTHERN ILLINOIS, 66-67, ASSOC. PROF, 67- Am. Philos. Soc. res. award, Eng, 68-69; consult, Regional Develop. Agency, Greece, 65-66. Asn. Am. Geog; Inst. Brit. Geog. Industrial location and development, including both abstract theoretical work and practical application in the field of regional planning. Publ: The industrial archaeology of the East Midlands, David & Charles, 65; A theoretical framework for geographical studies of industrial location, Econ. Geog, 66. Address: Dept. of Geography, Southern Illinois University, Carbondale, Ill. 62901.

SMITH, DR. DAVID WAYNE, b. Lafayette, Ind, Apr. 16, 27; m. 48; c. 2. PSYCHOLOGY. B.S. Purdue, 49; M.S., Indiana, 53, Ph.D., 55. Prof. psychol. & asst. dean, Gustavus Adolphus Col, 52-54; dean & chmn. dept. psychol, Vincennes, 54-55; counsr. trainer, ARIZONA, 55-57, dir. spec. ed, 57-59, DIR. REHAB. CENTER & COORDINATOR CURRICULA REHAB, 59-, CHMN. UNIV-WIDE CMT. REHAB, 67- Consult, Ariz. Div. Voc. Rehab; Ariz. Training Center Handicapped, 67- Mem. spec. ed. & rehab. study, U.S. House Reps, 60; President's & Ariz. Gov. Cmts. Employ. Handicapped & Cmts. Aging, 60-; cmt. rehab. & spec. ed, West. Interstate Cmn. Higher Ed, 65-; policy bd, Gov. Cmt. Rehab. Planning, 66- Psychol. Asn; Personnel & Guid. Asn; Rehab. Asn. Coordination of research and study in rehabilitation; relation between physical type and personality variables; community relations; manpower mobilization of hardcore unemployed; vocational training of educable mentally retarded. Publ: Gifted children in tomorrow's world; Tomorrow is today; Relation between ratio indices of physique and selected scales of the MMPI, J. Psychol. Address: Rehabilitation Center, University of Arizona, Second & Vine Sts, Tucson, Ariz. 85721.

SMITH, DR. DENZEL D, b. York County, Nebr, Jan. 7, 12; m. 38; c. 3. EDUCATIONAL PSYCHOLOGY & MEASUREMENT. B.A. York Col, 36; M.A. Nebraska, Lincoln, 39, Ph.D.(ed. psychol. & measurement), 41. Teacher, elem. schs, Nebr, 32-35, teacher, high sch, 36-38; personnel officer, Nat. Youth Admin, 41-42; from asst. prof. to prof. psychol. dept. & dir. univ. counseling center, Maryland, 46-52; head personnel & training res. br, Off. Naval Res, 52-57, dir. psychol. sci. div, 57-61; dep. div. dir. instrnl. progs. & head instrnl. develop. sect, NAT. SCI. FOUND, 61-66, HEAD UNIV. SCI. DEVELOP. SECT, INSTNL. RELS, 66- Ed. specialist, inst. ed. leaders, U.S. Dept. Army, Tokyo, Japan, 50-51; consult. ops. res. off, Hopkins, 51-52; mem. consult. panel neuropsychiat, bur. med. U.S. Dept. Navy, 59-61. U.S.N.R., 42-46, Lt. Comdr. AAAS; Psychol. Asn. Performance measurement; counseling; learning and training; administration of science programs. Address: 3102 Lake Ave, Cheverly, Md. 20785.

SMITH, PROF. DICK, b. Milford, Tex, Sept. 9, 08. SOCIAL SCIENCE. B.A. Texas, 30, M.A., 31; M.A. Harvard, 38, Ph.D., 39. Dean men, TARLETON STATE COL, 33-34, instr. govt, 34-39, asst. prof, 39-45, assoc. prof, 45-48, prof. soc. sci. & head dept, 48-67, PROF. POLIT. SCI, 67- Res. asst, bur. munic. res, Texas, 44-45. U.S.A., 42-43. Polit. Sci. Asn. State and local government. Publ: How bills become law in Texas; Layman's guide to Texas state administrative agencies; co-auth. Texas government. Address: Box 2006 Tarleton Station, Stephenville, Tex. 76401.

SMITH, DR. DON C(RAWMER), b. Zanesville, Ohio, Dec. 1, 15; m. 40. COMMUNICATIONS. B.A. Alabama, 48; M.A. Ohio State, 49, Ph.D.(speech), 59. Asst. prof. radio, Alabama, 49-54, assoc. prof. radio & TV, 54-60; TELECOMMUN, SOUTHERN CALIFORNIA, 60-66, PROF, 66- Coast Artillery C, 43-46. Telecommunications; characteristics of the broadcast audience and broadcasting units; broadcast programming, management and advertising. Publ: Selectors of television programs, winter 61-62, Music programming in Los Angeles radio, spring 64 & co-auth. Women in broadcasting, fall 66, J. Broadcasting, Address: Dept. of Telecommunication, University of Southern California, Los Angeles, Calif. 90007.

SMITH, DR. DONALD E(UGENE), b. Phoenixville, Pa, Sept. 1, 27; m. 50. POLITICAL SCIENCE. B.A. & Th.B. East. Baptist Col, 51; B.D. East. Baptist Theol. Sem, 53; M.A. Pennsylvania, 53, Ph.D.(polit. sci), 56. Instr. POLIT. SCI, Pennsylvania, 55-56; Rhode Island, 56-57, asst. prof, 57-62, ASSOC. PROF, 62-64; PENNSYLVANIA, 64- Fulbright sr. res. fel, India, 60-61; dir, Carnegie Corp, N.Y. Proj, South. Asia, 61-64; Soc. Sci. Res. Coun. res. grant, Latin Am, 67. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Political development theory, especially the relationship of religion to political modernization. Publ: India as a secular state, 63, Religion and politics in Burma, 65 & ed. & contrib. South Asian politics and religion, 66, Princeton. Address: Dept. of Political Science, University of Pennsylvania, Philadelphia, Pa. 19104.

SMITH, PROF. DONALD GLEN, b. Streator, Ill, Feb. 4, 19; m. 43; c. 2. AGRICULTURAL ECONOMICS. B.S. Illinois, 47; M.S., 61. Fieldman farm mgt. Farm Mgt. Serv. Northeast. Ill. Farm Bur, 49-52; farm mgr. & asst. cashier, First Trust & Savings Bank Kankakee, 52-58; ASSOC. PROF. AGR. ECON, ILLINOIS, URBANA, 58- U.S.A., 41-46, Maj. Soc. Farm Mgr. & Rural Appraisers(Outstanding Serv. Award, 65). Farm management and finance; rural appraisal. Publ: Co-auth. Professional farm manager's handbook on services, Ill. Soc. Prfnl. Farm Mgr. & Rural Appraisers, 58 & Rural appraisal manual, Am. Soc. Farm Mgr. & Rural Appraisers, 67. Address: Dept. of Agricultural Economics, 305 Mumford Hall, University of Illinois, Urbana, Ill. 61801.

SMITH, DR. DONALD H, b. Chicago, Ill, Mar. 20, 32; m. 65. COMMUNICATIONS, EDUCATION. A.B. Illinois, 53; M.A. DePaul, 59, Chicago Bd. Ed. fel, 62; James Campbell Goodwill fel, Wisconsin, 63, Ph.D.(commun), 64. Teacher & counsr, high sch, Ill, 56-62; teaching asst. speech, Wisconsin, 62-64; asst. prof, NORTHEAST. ILL. STATE COL, 64-66, ASSOC. PROF. INNER CITY STUDIES & DIR. CENTER INNER CITY STUDIES, 66- Consult, anti-poverty inst, Univ. Wisconsin, 66; pub. schs, Richmond, Va, 66-67, Evanston, Ill, 67-; U.S. Off. Ed, 66-, Proj. Follow Through, 67; inst. human rels, Univ. Detroit, 66- Civil rights communications; cultural disadvantage. Address: Center for Inner City Studies, Northeastern Illinois State College, 700 E. Oakwood Blvd, Chicago, Ill. 60653.

- SMITH, DEAN DOUGLAS E(LSTOW), b. Sydenham, Ont, Mar. 10, 12; m. 40; c. 2. PSYCHOLOGY. B.A. Queen's (Can), 33, M.A. 34; Chicago, 34-35; Ph.D. (psychol), Harvard, 37. Lectr. PSYCHOL. ALBERTA, 37-41, asst. prof. 46-47, assoc. prof. 47-49, PROF. 49- DEAN ARTS, 62-, dean arts & sci, 57-62. Cnmr. Can. Welfare Coun, 62-66. Can. Army, 41-46, Lt. Col. Am. Psychol. Asn; Can. Psychol. Asn. Personnel selection in military services; prediction of success of university students; history of psychology. Address: 12411 Grandview Dr, Edmonton, Alta, Can.
- SMITH, DR. EDGAR A(LMA), Ed. Psychol, see 10th ed, Soc. & Behav. Vols.
- SMITH, DR. E(DMUND) ARTHUR, b. Port Hood, N.S. May 9, 05; nat; m. 27; c. 2. POLITICAL ECONOMY, GOVERNMENT. B.A. Washington (Seattle), 53, M.A. 54; Ph.D. Harvard, 57. From interviewer to prin. clerk, county pub. asst. off, State of Wash, 34-51; lectr. SOC. WORK, SCH. SOC. WORK, WASHINGTON (SEATTLE), 57-59, asst. prof. 59-62, assoc. prof. 62-68, PROF. 68- Polit. Sci. Asn. Effects of bureaucratic structure in public assistance administration; schematic representation of the case work treatment situation by symbols; social welfare organization; property, as a social welfare institution. Publ: Social welfare: principles and concepts, Asn. Press, 65; Bureaucratic organization: selective or saturative, Admin. Sci. Quart. Funding of building amortization and site clearance costs: a proposition, Land Econ. Address: 163 Eagleson Hall, University of Washington, Seattle, Wash. 98105.
- SMITH, PROF. EDWARD C(ONRAD), b. Weston, W.Va, Aug. 9, 91. POLITICAL SCIENCE. A.B. West Virginia, 15; A.M. Harvard, 20, Ph.D. 22. Instr. govt. Lafayette Col, 21; polit. sci. N.Y. UNIV, 21-23, asst. prof. 23-27, assoc. prof. 27-30, prof. 30-56, asst. dean univ. col. 40, 41, EMER. PROF. POLIT. SCI, 56- Vis. prof. pub. admin, Ankara, 56-58; vis. prof. govt. & chmn. dept. soc. sci, Bates Col, 59-61. Polit. Sci. Asn. American politics; legislation; the borderland in the Civil War. Publ: Co-auth, Dictionary of American politics, Barnes & Noble, 67. Address: 2206 Andrews Ave, Bronx, N.Y. 10453.
- SMITH, PROF. EDWARD K(ERSHAW), b. Buffalo, N.Y., Apr. 12, 22; m. 48; c. 4. ECONOMICS. B.A. Hobart Col, 46; fel. Buffalo, 46-48, M.A. 50; A.M. Harvard, 56, Ph.D. 60. Instr. econ, Buffalo, 48-49; staff economist, cmt. New Eng. Nat. Planning Assn, 51-54; asst. prof. econ, Northeastern, 53-56, res. assoc. bur. bus. & econ. res, 53-56, dir. inst. pub. admin. sch. bus, 53; asst. prof. ECON, Boston Col, 56-59, assoc. prof. 59-65; dep. asst. secy. commerce, U.S. Dept. Commerce, 65-68; PROF. ECON. & CHMN. DEPT. COLORADO STATE, SEPT, 68- Course dir. New Eng. econ. Boston Univ, 52; summer vis. prof, Colorado, 65. Res. assoc. & consult, Mass. Spec. Cmn. Taxation, 52; financial economist, Fed. Reserve Bank Boston, 52-53; fiscal adv. to Lt. Gov. Mass, 58-60; consult. bus. & defense serv. admin, U.S. Dept. Commerce, 62-63, chief econ. anal. div. area develop. admin, 63-64, consult, 65; U.S. Bur. Budget, 65. U.S.A. 43-46. Econ. Asn; Regional Sci. Asn; Nat. Tax Asn. Public finance; money and banking. Publ: Co-auth, Economic state of New England; auth, Massachusetts personal income tax revision; Fiscal policy and tax structure in Massachusetts. Address: Dept. of Economics, Colorado State University, Ft. Collins, Colo. 80521.
- SMITH, DR. EDWARD L(OUIS), Econ, see 10th ed, Soc. & Behav. Vols.
- SMITH, DR. EDWARD M, b. Pineville, N.C., Apr. 18, 31; m. 59; c. 2. MARKETING, ECONOMICS. B.S. North Carolina, 53, M.S. 62; Ph.D. (bus), Alabama, 65. Instr. pharm. admin, North Carolina, 57-61; lectr. MKT, ALABAMA, 64-65, ASSOC. PROF. 65- U.S.N. 53-57, Lt. (jg). Mkt. Asn. Consumer buying behavior; sales strategy; consumption expenditure patterns in developing economies. Publ: A laboratory experiment for establishing indifference points between brands of consumer products, Proc. Am. Mkt. Asn, 66; A laboratory study of consumers' brand preferences for brands of low-cost consumer goods, South. J. Bus, 67. Address: Dept. of Marketing, University of Alabama School of Commerce, University, Ala. 35486.
- SMITH, PROF. ELTON D(EE), b. Endeavor, Wis, June 15, 22; m. 48; c. 2. AGRICULTURAL ECONOMICS. B.S. Wisconsin, 48; Ph.D. 54. Statistician, bur. agr. econ, U.S. Dept. of Agr. 53-54; asst. prof. AGR. ECON, Florida, 54-55; Tennessee, 55-56, assoc. prof. 56-57; from assoc. prof. to PROF, KENTUCKY, 57- U.S.A.A.F. 43-46. Agr. Econ. Asn. Economic development; cooperative organization; rural labor economics. Publ: Nonfarm employment information for rural people & Restrictions on policy alternatives relating to underdeveloped regions of developed countries, J. Farm Econ; Structural provisions for member participation: their importance in cooperatives. Address: Dept. of Agricultural Economics, University of Kentucky, Lexington, Ky. 40506.
- SMITH, PROF. ELMER LEWIS, b. Newark, N.J., June 21, 20; m. 47. SOCIOLOGY. B.S. Fla. South. Col, 46; M.A. Western Reserve, 48; D.S.S. Syracuse, 56. Instr. sociol, Albright Col, 48-55, asst. prof. 55-57; PROF. SOCIOL. & DIR. DIV. SOC. SCI, MADISON COL.(VA), 57- Sociol. Asn; Acad. Polit. & Soc. Sci. Amish social system, demographic and other quantitative research pertaining to the life cycle of the Amish and Pennsylvania German folklore collection and classification; Virginia folklore. Publ: Amish people, Expo-Univ, 58; auth, Amish today, 61 & co-auth, Pennsylvania Germans of the Shenandoah Valley, 64, Pa. German Folklore Soc. Address: Dept. of Sociology, Madison College, Box 268, Harrisonburg, Va. 22812.
- SMITH, ERDIS WILLIAM, b. Seattle, Wash, May 6, 12; m. 39; c. 3. ECONOMICS. A.B. Fresno State Col, 35; M.A. California, 36, fel. 36-38. Head credit union exam, fed. credit union sect, Fed. Deposit Ins. Corp, 38-48; chief div. progs. & reports, BUR. FED. CREDIT UNIONS, U.S. DEPT. HEALTH, ED. & WELFARE, 48-57, REGIONAL REP, 57- Tobacco tax as a source of state revenue; history, operating procedures, examination and internal auditing procedures of federal credit unions. Publ: Report of Federal Credit Union operations; Federal credit unions, Soc. Security Bull. Address: 144 Sycamore Ave, San Anselmo, Calif. 94960.
- SMITH, DR. ERNEST A(LLYN), b. New York, N.Y., July 6, 11; m. 45; c. 1. SOCIOLOGY. B.B.A. N.Y. Univ, 40, A.M. 42; Ph.D., Columbia, 58. Asst. sociol, Columbia, 48-50; lectr. Hunter Col, 50-52; asst. prof. Marietta Col, 52-55; res. assoc. Juvenile Delinquency Eval. Proj. of New York, N.Y., 55-61; ASST. PROF. SOCIOL, HUNTER COL, 61- Sociol. Asn. Youth culture; juvenile delinquency; small groups; social structure and change; criminology. Publ: American youth culture; Dating and courtship in Pioneer College, Sociol. & Soc. Res. Address: 433 E. 75th St, New York, N.Y. 10021.
- SMITH, PROF. ETHEL SABIN, b. Windsor, Wis, July 25, 87; m. PSYCHOLOGY. A.B. Wisconsin, 08, A.M. 14; Ph.D. Illinois, 16. Asst. Illinois, 16-17; assoc. Bryn Mawr Col, 16-22; assoc. prof. PSYCHOL. & PHILOS, MILLS COL, 22-30, prof. 30-53, convener sch. grad. studies, 30-40, sch. nat. sci, 50-51, EMER. PROF, 53- Guest prof, Cottey Col, 60-61. Comparative religion; William James and pragmatism; American philosophy. Publ: Dynamics of aging; Passports at seventy; A furrow deep and true, Norton, 64. Address: 1525 Lakeside Dr, Apt. 10, Oakland, Calif. 94612.
- SMITH, DR. EUGENE V(ERNEST), b. Ft. Wayne, Ind, Dec. 2, 29; m. 51; c. 2. SOCIOLOGY. B.A. DePauw, 51; M.S. Trinity (Tex), 54; Ph.D. Purdue, 61. Instr. SOCIOL, Indiana, 60-61; ASST. PROF. ALABAMA, 61-64; BOWLING GREEN STATE, 64- U.S.A.F. 51-55, Sgt. Sociol. Asn. Industrial sociology; industrialization of underdeveloped areas. Address: Dept. of Sociology, Bowling Green State University, Bowling Green, Ohio 43402.
- SMITH, DR. EWART E(ARLE), b. Rockhaven, Sask, Sept. 9, 24; U.S. citizen; m. 48; c. 3. SOCIAL PSYCHOLOGY. B.A. Mich. State, 48, M.A. 49; Ph.D. Colorado, 56. Asst. Mich. State, 48-49; clin. psychologist, Ionia State Hosp, Mich, 49-50; inspector, U.S. Army Qm. Corp, Calif, 51-52; dep. probtn. officer, Alameda County Probtn. Dept, 52-54; asst. Colorado, 54-56; res. psychologist, Air Force Personnel & Training Res. Center, Stead Air Force Base, 56-57; asst. soc. scientist, Rand Corp, 57; res. assoc. Delaware, 57-59; sr. res. scientist, Los Angeles Div, Matrix Corp, 59-62; PRES, SERENDIPITY ASSOCS, 62- Psychol. Asn; Human Factors Soc. Small group research in stress and stress resistance; nature and function of joking behavior; attitude change. Publ: Effects of clear and unclear role expectations on group productivity and defensiveness & Individual versus group goal conflict, J. Abnorm. & Soc. Psychol; Defensiveness, insight and K scale, J. Consult. Psychol. Address: Serendipity Associates, 9760 Cozycroft Ave, Chatsworth, Calif. 91311.
- SMITH, PROF. F(ENELON) DEVERE, b. Thomson, Ga, Apr. 2, 06. ECONOMICS. B.S. South Carolina, 29, A.M. 42; Ph.D. Kentucky, 52. Head dept. commerce, high sch, S.C., 29-37, 38-41; Limestone Col, 37-38; supt. schs, S.C., 46-47; assoc. prof. ECON, SOUTH CAROLINA, 47-54, PROF, 54-, DIR. OFF. ADMIN, 67- Trustee, Palmer Col, 67- Mem. curriculum adv. cmt, Am. Develop. & Training Inst, Tenn, 67- Econ. Asn; Admin. Mgt. Soc. Development of cotton textile industry; business education curricula of the white senior colleges and universities in the southeastern states; office management. Address: 319 King St, Columbia, S.C. 29205.
- SMITH, DR. FLOYD R(AY), b. Terre Haute, Ind, Aug. 1, 19; m. 45; c. 7. GUIDANCE, COUNSELING. B.S. Cent. Mo. State Col, 48; M.Ed. Missouri, 50, Ed.D. 53. Teacher Shumway Jr. High Sch, Wash, 48-49; instr. ed, Missouri, 50-53; asst. prof. guid. & ed, Loyola (Ill), 53-55; teacher & counsr, CHICAGO STATE COL, 55-57, chmn. ed. dept, 57-58, dir. of testing, 58-59, guid. res. center, 59-65, ASSOC. PROF. PSYCHOL. & ACTING DEAN TEACHER ED, 65- U.S.A.F. 41-60, Capt. Psychol. Asn; Personnel & Guid. Asn. Changes in teachers attitudes; prediction of teaching success; mental health in teaching; use of programmed instruction for the development of guidance self-study techniques. Publ: Ed, Chicago Area Reading Association Conference Proceedings. Address: Dept. of Psychology, Chicago State College, 6800 S. Stewart Ave, Chicago, Ill. 60621.
- SMITH, PROF. F(RANK) LOREN, b. Denver, Colo, July 10, 20; m. 43; c. 4. EXPERIMENTAL PSYCHOLOGY. A.B. Oberlin Col, 42, M.A. 48; Ph.D. (psychol), Hopkins, 49. Asst. & jr. instr. PSYCHOL, Hopkins, 47-49; asst. prof. DELAWARE, 49-54, assoc. prof. 54-65, PROF, 65- U.S.A.A.F. 42-45. AAAS; Psychol. Asn; Acoustical Soc. Learning theory; psychoacoustics; perception. Address: Dept. of Psychology, University of Delaware, Newark, Del. 19711.
- SMITH, DR. GADDIS, U.S. Diplomatic Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SMITH, DR. GENE M(ARSHALL), b. Little Rock, Ark, June 14, 30; m. 60; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A. California, 51; Ph.D. (psychol), Rochester, 54. Asst. psychol, Rochester, 51-54; res. assoc. psychol. & anesthesiol, HARVARD, 54-60, assoc. 60-63, ASST. PROF. PSYCHOL, SCH. MED, 63-; PSYCHOLOGIST, MASS. GEN. HOSP, BOSTON, 64-, res. fel. psychol, 54-64. U.S. Pub. Health Serv. res. grants, 61-68; Coun. Tobacco Res. res. grant, 64-68; Spaulding-Potter Charitable Trusts res. grant, 66-68. Lectr. Am. Col. Physicians, 65; vis. prof. sch. med, Stanford, 66. Consult. Miller Assocs, Mass, 55; Chambers, Wiswell, Shattuck, Clifford & McMillan, 56-57; Laboure Sch. Nursing, 56-60; Mt. Hope Mach. Co, Mass, 59-62; Col. Basic Studies, Boston, 60; Raytheon Co, 64; Int. Bus. Mach. Corp, 67. AAAS; Psychol. Asn; N.Y. Acad. Sci. Effects of drugs on mood and behavior; personality theory and measurement; nonintellective correlates of academic success; psychodynamics of cigarette smoking; pain and pain relief; factors influencing post surgical recovery. Publ: Amphetamine sulfate and athletic performance, J. Am. Med. Asn; Personality correlates of cigarette smoking in students of college age, Ann. N.Y. Acad. Sci; Usefulness of peer ratings of personality in educational research, Ed. & Psychol. Measurement. Address: 8 Briarwood Ave, Peabody, Mass. 01960.
- SMITH, PROF. GEO(RGE) ALBERT, JR, b. Salt Lake City, Utah, Sept. 10, 05; m. 35; c. 3. BUSINESS ADMINISTRATION. A.B. Utah, 26; M.B.A. Harvard, 34, D.C.S. 37. From asst. prof. to assoc. prof. BUS. ADMIN, HARVARD, 37-45, PROF, 45-, asst. dean grad. sch. bus. admin, 39-45. Vis. prof, Yale, 54-55; prof, Mgt. Develop. Inst, Lausanne, Switz, 62-63; summer vis. prof, Stanford, 51-61 & Hawaii, 64 & 65. Consult. U.S. Mil. Estab. & U.S. Dept. Commerce, 37-; Fed. Deposit Ins. Corp, 65- Soc. Pub. Admin; Econ. Asn; Acad. Polit. Sci. Publ: Managing geographically decentralized companies. Publ: Business, society, and the individual, & co-auth. rev. ed, 67,

Irwin; co-auth. Policy formulation and administration. Address: Harvard University Business School, Morgan Hall, 328, Boston, Mass. 02163.

SMITH, DR. GEORGE CLINE, b. Cumberland, Md, Nov. 19, 18; m. 40; c. 1. ECONOMICS, STATISTICS. A.B. Washington (St. Louis), 39, A.M., 40, fel. & Ph.D.(econ), 42. Economist, War Prod. Bd, 42-43; U.S. Dept. Commerce, 46-47; U.S. Chamber of Commerce, 47-53, mgr. finance dept, 53-54; asst. v-pres. & chief economist, F.W. Dodge Corp, 54-56, v-pres, dir. & chief economist, 56-61; sr. partner, MacKAY-SHIELDS ECON, INC, 61-67, EXEC. V.PRES. & CHIEF ECONOMIST, 67- Lectr, American Univ, 50-52. Contrib. ed, Am. Builder, 66- Mem. adv. cmts, U.S. Dept. Labor, 48-53; U.S. Bur. Budget, 48-54; U.S. Census Bur, 48-; U.S. Dept. Commerce, 56-62; mem. Bus. Econ. Group, U.K. U.S.N., 43-46, Res, 46-50, Lt. AAAS; Econ. Assn. Statist. Assn. Bus. Econ. (pres, 60-61). Government finance; industrial location and development; construction industry economics; statistical methods and policy; economic analysis and forecasting. Publ: Socialism in America; Economics of the money supply; Lorenz curve analysis of industrial decentralization, J. Am. Statist. Address: MacKay-Shields Economics, Inc, 551 Fifth Ave, New York, N.Y. 10017.

SMITH, PROF. GEORGE HORSLEY, b. Roanoke, Va, Aug. 14, 08; m. 57. PSYCHOLOGY. A.B. George Washington, 39, M.A., 42; Ph.D.(psychol), Cornell, 44. Instr. PSYCHOL, George Washington, 44-46; asst. prof, Princeton, 46-48; assoc. prof, RUTGERS, 48-55, PROF, 55-, chmn. dept, 55-65. Consult, Dancer-Fitzgerald-Sample, 53- Managing ed, Pub. Opinion Quart, 46-48. Psychol. Assn. Advertising and marketing. Publ: Motivation research in advertising and marketing. Address: Dept. of Psychology, Conklin Hall, Rutgers, The State University, Newark, N.J. 07102.

SMITH, PROF. G(EOGE) MILTON, b. Southington, Conn, Mar. 10, 02; m. 28; c. 2. PSYCHOLOGY. S.B. Harvard, 24; Ph.D.(psychol), Columbia, 33. Lectr. PSYCHOL, Barnard Col, Columbia, 29-30; instr, CITY COL. NEW YORK, 30-37, asst. prof, 37-47, assoc. prof, 48-52, PROF, 53- Civilian with Off. Sci. Res. & Develop. Fel. Psychol. Assn. Statistics of mental organization; sensory changes at high altitude; personality adjustment. Publ: Simplified guide to statistics; More power to your mind; Effect of anoxia on sensory-motor reactions and subjective states. Address: Dept. of Psychology, City College of New York, New York, N.Y. 10031.

SMITH, PROF. G(EOGE) RALPH, b. Utica, N.Y., Sept. 13, 13; m. 51; c. 2. ECONOMICS. B.S. Hamilton Col, 37; M.S. Syracuse, 40, Ph.D.(econ), 54. Chmn. dept. econ, Triple Cities Col, Syracuse, 46-50; Harpur Col, State Univ. N.Y., 50-55; assoc. prof. MGT, LOYOLA (LA), 55-64, PROF, 64-, ACTING DEAN COL. BUS. ADMIN, 67-, dir. grad. div, 61-67. U.S.A.F., 41-46, Res, 46, Col. Econ. Assn. Managerial economics; business organization; economic history. Publ: Development of the Endicott Johnson Corporation: co-auth, Economic appraisal of resale price maintenance. Address: 1025 Wiegand Dr, Westwego, La. 70094.

SMITH, PROF. GERALD E(MERSON), b. Wilkinsburg, Pa, Nov. 10, 21; m. 49; c. 5. ECONOMICS. B.S. Mich. State Col, 47, M.A., 51; fel. Case, 53. Bus. analyst, Off. Price Stabilization, 51-52; dir. mgt. inst, Ohio Northern, 52-54; instr. indust. admin, Iowa State, 54-56; from instr. soc. studies to ASSOC. PROF. SOC. SCI, GEN. MOTORS INST, 56- Standar Oil Co.(Ohio) fel, 54; instr, Mich. State, 61. U.S. Merchant Marines, 43-45. Econ. Assn. Resource problems, water; economic development; forecasting. Address: General Motors Institute, Flint, Mich. 48502.

SMITH, DR. GERALD WAVERN, Eng. Econs, Indust. Eng, see 11th ed, Phys. & Biol. Vols.

SMITH, DR. GLENN R(OOSEVELT), b. Stanfield, N.C., Jan. 15, 05; m. 37; c. 2. AGRICULTURAL ECONOMICS. B.S. N.C. State Col, 29, M.S., 30; Ph.D.(agr. econ), Cornell, 39. Agent, agr. exp. sta, N.C. State Col, 30-35, assoc. agr. economist, 35-40; dir. res, Farm Credit Admin, S.C., 40-48; sr. mkt. technologist, COOP. STATE RES. SERV. U.S. DEPT. AGR, 48-51, EXP. STA. ADMINSTR. & PRIN. AGR. ECONOMIST, 51- Agr. Econ. Assn. Marketing; farm finance; agricultural prices. Address: 3019 N. Tuckahoe St, Arlington, Va. 22213.

SMITH, PROF. GUY-HAROLD, b. LaFarge, Wis, Jan. 1, 95; m. 26; c. 1. GEOGRAPHY. Ph.B. Wisconsin, 21, Ph.D.(geog), 27; Pennsylvania, 22-23. Assoc. GEOG, Illinois, 28-29; asst. prof, OHIO STATE, 27-28, 29-34, assoc. prof, 34-37, chmn. dept, 34-63, prof, 37-65, EMER. PROF, 65- Consult, mil. intel. div, U.S. Dept. Army, 42-45, 48-49; Waterways Exp. Sta, Vicksburg, 57-58. U.S.A., 17-18, 2nd Lt. Fel. AAAS (v-pres, 62); fel. Am. Geog. Soc; Assn. Am. Geog.(v-pres, 37, treas, 38-47); Nat. Coun. Geog. Ed; Polar Soc. Cartography; geomorphology; conservation. Publ: Co-auth, Japan, a geographic view; ed, Conservation of natural resources; auth, The first fifty years of the College of Commerce and Administration, Ohio State, 66. Address: Dept. of Geography, Ohio State University, Columbus, Ohio 43210.

SMITH, DR. HALBERT C(ALVIN), b. Libertyville, Ill, July 25, 34; m. 56; c. 2. URBAN LAND ECONOMICS. B.S. Purdue, 56; M.B.A. Indiana, 59; D.B.A. Illinois, 62. Res. asst. real estate & urban econ, Illinois, 59-62; asst. prof. BUS. ORGN, OHIO STATE, 62-66, ASSOC. PROF, 66-, res. grant, 63-64. Res. grant, Mortgage Bankers Assn. Am, 64-66; res. assoc. center real estate & urban econ. studies, Univ. Connecticut, summer 67. Real Estate & Urban Econ. Assn.(secy-treas, 65-67, 2nd v-pres, 68); Finance Assn. Publ: Co-auth, Monetary policy and real estate values, Appraisal J, 1/68; auth, Institutional aspects of interregional mortgage lending, J. Finance, 5/68 & Housing: are we paying more and getting less?, Bus. Horizons, winter 67. Address: College of Commerce & Administration, Ohio State University, 1775 S. College Rd, Columbus, Ohio 43210.

SMITH, PROF. HALE G(ILLIAM), b. Jacksonville, Ill, July 24, 18; m. 53; c. 3. ANTHROPOLOGY. B.A. Beloit Col, 40; M.A. Chicago, 45; Ph.D. Michigan, 52. Staff mem. aerial surv. Persia, Orient. Inst, Chicago, 42-43; asst. state archaeologist, Fla, 47-48; from assoc. prof. to PROF. ANTHROP. & ARCHAEOLOG. & HEAD DEPT, FLA. STATE, 49-, DIR. UNIV. MUS, 49- U.S.A., 43-45. Anthropol. Assn; Soc. Am. Archaeol. Archaeology of Florida, particu-

larly Spanish-Indian culture; museum techniques; coastal erosion in Florida, and aboriginal occupational areas. Publ: Crable site, Fulton County, Illinois, Univ. Michigan, 51; The European and the Indian, Fla. Anthropol. Soc. Mem, 56; El Morro, Fla. State Univ. Notes Anthropol, 62. Address: Dept. of Anthropology, G24 Bellamy Bldg, Florida State University, Tallahassee, Fla. 32306.

SMITH, DR. HARLAN M, b. Johnstown, Pa, Oct. 24, 14; m. 50; c. 3. ECONOMICS. A.B. Chicago, 36, A.M., 38, Ph.D.(econ), 49; fel, Harvard, 42-43. Tutor, Harvard, 42-43; instr. Brown, 47-49, asst. prof, 49-50; SCH. BUS. ADMIN, MINNESOTA, MINNEAPOLIS, 50-54, ASSOC. PROF, 54- Econ. Assn. Monetary theory; international economics; economic theory. Publ: Co-ed, Effect on Minnesota of a liberalization of United States Foreign Trade Policy; auth, Uses of Leontief's input-output analysis, Monogr. Cowles Cmn; The essentials of money and banking, Random, 68. Address: Dept. of Economics, School of Business Administration, University of Minnesota, Minneapolis, Minn. 55455.

SMITH, DR. HAROLD D, b. Churchville, Va, Mar. 12, 21; m. 44; c. 2. AGRICULTURAL ECONOMICS. B.A. Bridgewater Col, 43; M.S. Maryland, 47; Ph.D.(econ), American Univ, 52. Teacher, high sch, W.Va, 43; asst. agr. econ, MARYLAND, 46-47, asst. prof, 47-54, assoc. prof, 54-67, acting head dept. agr. econ, 67-68, ASSOC. DIR. EXTEN. SERV, 68- Farm Found. fel, Chicago, 57-58. Consult, nutrit. surv. team, Panama Nat. Insts. Health, 67. Poultry and livestock marketing; economic development of American agriculture. Address: Extension Service, College of Agriculture, University of Maryland, College Park, Md. 20742.

SMITH, PROF. HAROLD E(UGENE), b. Pa, Aug. 31, 16; m. 45; c. 3. SOCIOLOGY. B.S. Juniata Col, 36; B.S. Pa. State, 40; fel. & M.S. Va. Polytech, 41; Ph.D.(sociol), Cornell, 47. Instr. sociol, Akron, 47-48; asst. prof, Purdue, 48-55; assoc. prof. & head dept, Mt. Union Col, 55-57; from assoc. prof. to PROF. SOCIOLOG, NORTHERN ILLINOIS, 57- ACTING HEAD DEPT. SOCIOLOG. & ANTHROP, 68- Fulbright lectr, Thailand, 64-65, 65-66; consult. center res. soc. systs, American Univ, 67-68. U.S.A.A.F., 43-45, Maj. Sociol. Assn; Nat. Coun. Family Rels. Family; urban community; institutions. Publ: Sociology for Thai students, Thammasat Univ, 66; Health practices of Indiana families, Purdue Exp. Sta. Bull; Family interaction patterns of the aging: a review, In: Older people and their social world, Davis, 65. Address: Dept. of Sociology, Northern Illinois University, DeKalb, Ill. 60115.

SMITH, PROF. HARRY, JR, b. Middletown, Del, Mar. 4, 23; m. 51; c. 2. STATISTICS, MATHEMATICS. B.A. Delaware, 43, M.A., 48; London, 49-50; Ph.D.(exp. statist), N.C. State Col, 54. Instr. math, Delaware, 48-49; asst. statist, North Carolina, 50-53, instr. biostatist, 53-54, asst. prof, 54-55; statistician, Procter & Gamble Co, 55-58, head dept. math. & statist, 58-66; PROF. BIostatist, NORTH CAROLINA, 66- U.S.A., 42-46, Res, 46-56, Maj. Statist. Assn; Biomet. Soc.(East N.Am. Region); Soc. Qual. Control; Psychomet. Soc; Oil Chem. Soc. Design of industrial experiments, especially multivariate problems in both quantitative and qualitative variables. Publ: Multivariate analysis of variance: MANOVA, Biometrics; Applications of truncated distributions in process start-up and inventory control, Technometrics; Risk of hepatitis from whole blood and stored plasma, Surgery, Gynec. & Obstet. Address: Dept. of Biostatistics, University of North Carolina, Chapel Hill, N.C. 27514.

SMITH, HAYDEN W(ILLIAMS), b. Kansas City, Mo, June 10, 19; m. 47; c. 2. ECONOMICS, STATISTICS. A.B. Stanford, 49. Res. assoc. econ, Stanford, 52-53; asst. prof, California, 53-55; economist, Standard Oil Co.(N.J.), 55-64, econ. adv. Esso Standard East, Inc, 64-67; ECON. CONSULT, 67- U.S.A., 42-46, Sgt. Pop. Assn; Nat. Assn. Bus. Econ; Econ. Assn; Statist. Assn; Economet. Soc. Economic change; forecasting; economic growth and development; relation of population changes and economic changes; fiscal and monetary policy; productivity. Address: 8 Lafayette Rd, Larchmont, N.Y. 10538.

SMITH, PROF. HELEN L(EONORE), Econ. Geog, see 10th ed, Soc. & Behav. Vols.

SMITH, PROF. HENRIETTA T(AMAR), b. Huntsville, Ala, Dec. 9, 25. CHILD PSYCHOLOGY. B.A. Cincinnati, 46, M.A., 48; Ph.D. Radcliffe Col, 53. Instr. psychol, Allen, 47-49, 53-54; from instr. to asst. prof. develop. psychol, VASSAR COL, 54-62, assoc. prof. PSYCHOL, 62-68, PROF, 68-, fel, 66-67. Nat. Inst. Child Health & Human Develop. grant, 66-67. AAAS; Psychol. Assn; Soc. Res. Child Develop. Personality development; child development; cross-cultural research. Address: Dept. of Psychology, Vassar College, Poughkeepsie N.Y. 12601.

SMITH, PROF. HENRY CLAY, b. Catonsville, Md, May 9, 13; m. 38; c. 3. PSYCHOLOGY. A.B. St. John's Col.(Md), 34; Ph.D.(psychol), Hopkins, 39. Soc. investr, Dept. Pub. Welfare, Md, 38-40; instr. psychol, Vermont, 40-43; regional analyst, Off. War Info, D.C., 43; psychologist, Dravo Shipbuilding Corp, 43; dir. training & res, West. Elec. Co, Md, 43-45; assoc. prof. PSYCHOL, Knox Col, 45-46; Hamilton Col, 46-49; MICH. STATE, 49-61, PROF, 61- Fulbright res. prof, Italy, 55-56; consult. prof, Waseda Univ, Japan, spring 60. Fel. Psychol. Assn. Publ: Sensitivity to people, 66 & Personality development, 68, McGraw; co-auth, Readings in social perception, Van Nostrand, 68. Address: Dept. of Psychology, Michigan State University, East Lansing, Mich. 48823.

SMITH, DR. H(ENRY) DIXON, b. Walhalla, N.Dak, Jan. 29, 27; m. 48; c. 4. GEOGRAPHY. B.S. Minnesota, 48, M.A., 49, Carnegie grant, 52, Danforth Found. grant, 56-57, Ph.D., 60. Asst. prof. geog, Kans. State Teachers Col, 50-57, assoc. prof. geog. & dir. admin. & records, 58-63; DIR. ADMISSIONS & RECORDS, WYOMING, 63- U.S.N., 45-46, Res, 46-, Comdr. Assn. Am. Geog. Water resources; population studies. Publ: Lakes in Kansas, Kans. Sch. Naturalist; Analysis of the water resources of three river basins in western Minnesota; Water supply and oversupply in Kansas, Bull. Kans. Coun. Geog. Ed. Address: Division of Admissions & Records, University of Wyoming, University Station Box 3435, Laramie, Wyo. 82070.

- SMITH, PROF. HENRY LEE, JR, b. Morristown, N.J., July 11, 13; m. 39, 46; c. 4. ANTHROPOLOGY, LINGUISTICS. A.B. Princeton, 35, M.A. 37, Procter fel, 37-38, Ph.D. 38; hon. Litt.D. Wagner Col, 61. Lectr. Eng. Barnard Col, Columbia, 38-40; instr. Brown, 40-42; For. Serv. Inst. 46-55, dean, 55-56; chmn. dept. anthropol. & ling. STATE UNIV. N.Y. BUFFALO, 56-65, PROF. LING. & ENG. 56-, acting dir. prog. ling. 67-68. Dir. commun. workshop, Potsdam State Teachers Col, 50; Trask lectr. Princeton, 50; vis. prof. ling. inst. Indiana, 52; Inglis lectr. Harvard, 54; Fenton lectr. State Univ. N.Y. Buffalo, 55; Keller Mem. lectr. Hartford, 65; Korzybski Mem. lectr. Inst. Gen. Semantics, 65; vis. lectr. Pennsylvania, 66; keynote speaker, 34th annual reading conf. Claremont Grad. Sch, 67; lectr. Voice of Am. Forum Series on Lang. Ling. & Mod. World, 67. Consult. cmt. lang. prog. State Dept. Ed, Md, 51-56. Mem. cmt. lang. progs. Am. Coun. Learned Soc. 46-59; adv. screening cmt. Fulbright Found, 53-57; cmt. anthropol. & psychol. Nat. Res. Coun-Nat. Acad. Sci; panel of ling. adv. Am. Heritage Dictionary, 67- U.S. Dept. State del. UNESCO. Fel. AAAS; Ling. Soc; Mod. Lang. Asn; fel. Anthropol. Asn; Int. Soc. Gen. Semantics. Language and culture; linguistics and psychotherapy; linguistics and literacy; structure of English; historical Germanic linguistics; linguistics and anthropology in preparing Americans for overseas service; socio-dialectology. Publ: Linguistic science and the teaching of English; co-auth. Outline of English structure; co-auth. The linguistic readers, Harper, 64-67. Address: 301 Foster Hall, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- SMITH, PROF. HENRY P(ETER), b. Willard, Kans, Mar. 22, 10; m. 34; c. 3. EDUCATIONAL PSYCHOLOGY. Ph.D. Iowa, 43. Assoc. prof. psychol. Ariz. State Teachers Col, 43-44; asst. prof. ED. Syracuse, 44-47; assoc. prof. KANSAS, 47-53, PROF. 53- Psychol. Asn. Publ: Psychology in teaching reading; Psychology in teaching. Address: 1311 W. 21st Terr, Lawrence, Kans. 66044.
- SMITH, PROF. HOKE L(A FOLLETTE), b. Galesburg, Ill, May 7, 31; m. 53; c. 3. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A. Knox Col, 53; fel. & M.A. Virginia, 54; fel. & Ph.D. Emory, 58. Asst. prof. POLIT. SCI. Hiram Col, 58-66, assoc. prof. 66-67; PROF. & ASST. TO PRES. DRAKE, 67- Am. Polit. Sci. Asn. congressional fel. 64-65; dean, European Am. Study Center, 65-66. U.S.A., 54-56, Res. 56-64, Capt. Polit. Sci. Asn. Role of power and the decision making process; legislative process. Address: Office of the President, Drake University, Des Moines, Iowa 50311.
- SMITH, PROF. HOWARD R(OSS), b. Iowa, July 6, 17; m. 43; c. 3. MANAGEMENT. A.B. Simpson Col, 38; A.M. Louisiana, 40, Ph.D. 45. Instr. econ. Louisiana, 40-43; econ. analyst, War Prod. Bd, 43; assoc. dir. econ. res. Glenn L. Martin Co, 44; budget analyst, U.S. Bur. Budget, 45-46; PROF. ECON. GEORGIA, 46-, HEAD DEPT. MGT. & DIR. EXEC. DEVELOP. PROG, 63- Gen. Ed. Bd, fel. Harvard, 48-49. Ford Found. consult. mgt. develop. Cairo, Egypt, 62-63. Econ. Asn; Soc. Training & Develop; Acad. Mgt. American tariff. Publ: Group basis of democracy; government and business; American businessman in the American novel. Address: College of Business Administration, University of Georgia, Athens, Ga. 30602.
- SMITH, PROF. H(UGH) FAIRFIELD, b. Ayr, Scotland, Mar. 8, 04; nat; m. 30; c. 2. EXPERIMENTAL STATISTICS. B.Sc. Edinburgh, 26; M.S.A. Cornell, 28; Cambridge, 28-29; London, 35-37. Geneticist, Coun. Sci. & Indust. Res. Australia, 30-37; statistician, Rubber Res. Inst. Malaya, 37-50; prof. exp. statist. inst. statist. N.C. State Col, 50-56; agr. statistician, Food & Agr. Orgn, UN, 56-65; PROF. STATIST. CONNECTICUT, 65- Vis. prof. Philippines, 56-60; guest lectr. Univ. West Indies, 63-65. Mem. Soil Fertility Surv, Iran, 61-62; statist. adv. Govt. Pakistan, 63; Govt. Trinidad, 63-65. Statist. Asn; Biomet. Soc; Royal Statist. Soc; Eugenics Soc, Brit; Indian Soc. Agr. Statist. Publ: Discriminant function for plant selection, Ann. Eugenics, 36; Empirical law describing heterogeneity of agricultural crops, J. Agr. Sci, 38; Contributions to analysis of covariance, Biometrics, 57. Address: Dept. of Statistics, U-120, University of Connecticut, Storrs, Conn. 06268.
- SMITH, PROF. J. N, b. Rogersville, Mo, Apr. 28, 31; m. 56; c. 4. AGRICULTURAL ECONOMICS. B.S. Missouri, 52, M.S. 54, Ph.D.(agr. econ), 64. Asst. instr. AGR. ECON, Missouri, 52-54, instr. 54-59; asst. prof. SOUTHWEST MO. STATE COL, 59-60, assoc. prof. 60-64, PROF. 64- Agr. Econ. Asn; Econ. Asn. Economics of marketing milk and milk products; cooperative marketing and supply organizations. Address: Dept. of Agriculture, Southwest Missouri State College, Springfield, Mo. 65802.
- SMITH, DR. JAMES C(ALVIN), JR, b. Birmingham, Ala, Dec. 27, 28; m. 54; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S. Auburn, 50; M.S. Fla. State, 51, Ph.D. 59. Staff asst. human resources, Air Force Personnel & Training Res. Lab, 53-56; asst. prof. PSYCHOL. FLA. STATE, 59-63, assoc. prof. 63-67, PROF. 67- Asst. prof. Colgate, 60-61; summer fels. U.S. Naval Radiol. Defense Lab, 62 & 63. U.S.A.F. 53-56, 1st Lt. Psychol. Asn; Radiation Res. Soc. Comparative psychology vision; effects of ionizing radiation behavior. Publ: Co-auth. The bioelectric response of the insect eye to beta-radiation, J. Insect Physiol, 64, Odor discrimination in pigeons, Science, 66 & Development of water and saccharin preferences after simultaneous exposure to saccharin solution and gamma rays, J. Comp. & Physiol. Psychol, 67. Address: Dept. of Psychology, Florida State University, Tallahassee, Fla. 32301.
- SMITH, DR. JAMES E(LWOOD), b. Frederick, Md, May 21, 25; m. 48; c. 3. PSYCHOLOGY. M.A. Lehigh, 50; Ph.D.(psychol), Ohio State, 54. Counseling psychologist, Ohio State, 53-54; PARTNER, ROHRER, HIBLER & REPGLE, 54- U.S.N. 43-46, Lt.(jg). Psychol. Asn. Consultation to management; creativity; value research. Address: 2929 Via Pacheco, Palos Verdes Estates, Calif. 90274.
- SMITH, PROF. J(AMES) E(VERETT) KEITH, b. Royal, Iowa, Apr. 30, 28; m. 49. PSYCHOLOGY, STATISTICS. B.S. Iowa State Col, 49; A.M. Michigan, 52, Soc. Sci. Res. Coun. fel. 53-54, Ph.D. 55. Asst. statist. Iowa State Col, 49-50; asst. study dir. surv. res. Michigan, 50-51, asst. psychol. 51-53; staff psychologist, Mass. Inst. Tech, 54-64; res. psychologist, Ment. Health Res. Inst. MICHIGAN, 64-67, PROF. PSYCHOL. UNIV, 64- Consult, Nat. Inst. Gen. Med. Sci, 67-72. Fel. Psychol. Asn; Statist. Asn; Psychonomic Soc; Psychomet. Soc. Experimental design and analysis; mathematical models for behavior. Publ: Distribution-free statistics, In: Research methods in the behavioral sciences. Address: Dept. of Psychology, University of Michigan, Ann Arbor, Mich. 48104.
- SMITH, DR. JAMES REX, b. Chautauqua, Kans, Apr. 13, 21; m. 43; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A. Phillips, 43; B.D. Yale, 45; M.A. Southern California, 60, Ph.D.(sociol), 62. Assoc. dir. human rels. Nat. Conf. Christians & Jews, Inc, 58-61; ASSOC. PROF. SOCIOL. CALIF. STATE COL. FULLERTON, 61- Asst. prof. Southern California & Occidental Col, 59-61. U.S.N. 41-46, 51-53, Res. Comdr. Sociol. Asn; Asn. Marriage Counsr. Validating a test to delineate those with psychodynamics for therapy and counseling. Address: Dept. of Sociology, California State College at Fullerton, 800 N. State College Blvd, Fullerton, Calif. 92631.
- SMITH, DR. JAY M, JR, b. Denver, Colo, June 14, 32; m. 52; c. 8. ACCOUNTING. B.S. Brigham Young, 53, M.S. 60; Danforth, Sloan & Arthur Andersen fells. & Ph.D.(bus), Stanford, 65. Jr. auditor, Arthur Andersen & Co, 53-54, 56-57; instr. ACCT. Brigham Young, 57-60, asst. prof. 60-61; ASSOC. PROF. MINNESOTA, 64-, CHMN. DEPT. 67- U.S.A. 54-56. Acct. Asn; Inst. Cert. Pub. Act; Budget Execs. Inst. Communicative value of external financial reports; development of conversion indices and analysis of effect of different methods of accounting on decision processes. Publ: Co-auth. SMAC—a computerized practice case, McGraw, 64; auth. Systems flowcharting, 67 & Program flowcharting and decision tables, 67, Am. Inst. Cert. Pub. Accts. Address: 510 Westwood Dr, N. Minneapolis, Minn. 55422.
- SMITH, PROF. JEAN EDWARD, b. Washington, D.C, Oct. 13, 32; m. 59; c. 2. POLITICAL SCIENCE. A.B. Princeton, 54; Harvard, 56-57; Ph.D.(govt), Columbia, 64. Asst. prof. govt. Dartmouth Col, 63-65; assoc. prof. POLIT. SCI. TORONTO, 65-68, PROF. & ASSOC. CHMN. DEPT. 68- Res. assoc. center int. studies, Princeton. Consult. Hist. Eval. & Res. Orgn, 64-; Inst. Defense Anal, 66-68. U.S.A. 54-56, 57-61, Capt. Polit. Sci. Asn; Can. Econ. Asn. American government; Berlin & East Germany. Publ: The defense of Berlin, Hopkins, 63; Germany beyond the wall, Little, 68; Red Prussianism of the GDR, Polit. Sci. Quart, 9/67. Address: Dept. of Political Economy, University of Toronto, Toronto 5, Ont, Can.
- SMITH, DR. JEAN JUDSON, Psychol, see 10th ed, Soc. & Behav. Vols.
- SMITH, DR. JEAN P(AUL), b. Flagler, Colo, June 21, 33; m. 59; c. 2. PSYCHOLOGY. A.B. Nebraska, 55, M.A. 58, M.Ed. 59; M.S. Western Reserve, 61, Ph.D.(clin. psychol), 63. Asst. philos. Nebraska, 55-56, res. assoc. ed, 58-59; psychol. trainee, Vet. Admin. Hosp. Cleveland, Ohio, 60-62; staff psychologist, Walter Reed Gen. Hosp, 62-66; chief spec. studies br. bur. drug abuse control, Food & Drug Admin, 66-67; DIR. DIV. DRUG STUDIES, BUR. NARCOTICS & DANGEROUS DRUGS, U.S. DEPT. JUSTICE, 67- Instr. YMCA, 51-58; res. assoc. Highland View County Hosp, Cleveland, Ohio, 59-62. Consult. food & drug admin. center studies narcotics & drug abuse, Nat. Inst. Ment. Health, 67- Mem. Nat. Cmt. Drug Abuse Ed. & Info, 67-68; exec. secy. Abuse Depressant and Stimulant Drugs Adv. Cmt, 67-; interdept. liaison drug abuse res. & ed, Dept. Justice-Dept. Health, Education & Welfare, 68- U.S.A.R. 55-63, Med.Serv.C. U.S.A. 63-66, Capt. AAAS; Psychol. Asn. Cognitive studies of psychopathology; philosophical foundations of education; community education and action research; application of social science techniques to prevention and reduction of social problems. Publ: Co-auth. The relationship between physical improvement and psychological factors in chronically ill patients, J. Clin. Psychol. 63; auth. Aids to retrieval of information, Mil. Med, 64; The false illusion, Food & Drug Admin. Papers, 67. Address: 4126 Wexford Court, Kensington, Md. 20795.
- SMITH, PROF. JEANNE L(EVY), b. Mobile, Ala, Mar. 8, 21; m. 60; c. 1. PSYCHOLOGY. B.S. Alabama, 42, Kappa Kappa Gamma & Sigma Delta Tau fells, 46-48, M.A. 47; Ph.D. Pennsylvania, 52. Asst. psychol. Alabama, 46-47; Pennsylvania, 47-50, asst. instr. 50-52, instr. 52-53, psychiatrist, med. sch. 56-57, lectr. sch. nursing, 51-57; asst. prof. PSYCHOL. & counsr. PA. STATE, OGONTZ CAMPUS, 57-65, ASSOC. PROF. 65- Lectr. Bryn Mawr Col, 56-60; sch. nursing, Bryn Mawr Hosp, Pa, 57-61; Jefferson Med. Col, 60-64; Beaver Col, 63-64 & 65-67. AAAS; Psychol. Asn. Experimental method and design; learning theory; physiological concomitants of emotion; psychopharmacology; social and psychological characteristics of cardiac patients; student evaluation of instruction. Address: Dept. of Psychology, Pennsylvania State University, Ogontz Campus, Abington, Pa. 19001.
- SMITH, DR. JEROME, b. New York, N.Y, June 8, 31; m. 60. PSYCHOLOGY. B.A. N.Y. Univ, 52; M.A. Connecticut, 54, Ph.D. 60. U.S. Pub. Health Serv. fel. ment. retardation, Connecticut, 59-60, instr. psychol, 60-62; mem. tech. staff, Mitre Corp, 62-64; asst. prof. PSYCHOL. Okla. State, 64-66; CONNECTICUT, 66-67, ASSOC. PROF. 67- Res. consult. Hissom Mem. Center, Sands Springs, Okla, 64-66. AAAS; Psychol. Asn. Alternation behavior, motor learning; learning process in mental retardates; learning; perception; retardation. Address: Dept. of Psychology, University of Connecticut, Storrs, Conn. 06268.
- SMITH, DR. JOE PATTERSON, Polit. Sci, see 10th ed, Soc. & Behav. Vols, deceased 63.
- SMITH, PROF. JOEL, b. New York, N.Y, Dec. 7, 25; m. 53; c. 3. SOCIOLOGY. B.A. Queens Col.(N.Y.), 45; M.A. Columbia, 50; Ph.D.(sociol), Northwestern, 54. Instr. sociol. & anthropol. Mich. State, 51-55, asst. prof. 55-58; assoc. prof. DUKE, 58-67, PROF. SOCIOL. & DIR. GRAD. STUDIES, DEPT. SOCIOL, 67- Key census tract person, Lansing, Mich, 55-58; Durham, N.C. 58- Consult. Mich. State Dept. Ment. Health, 55-57; Mich. Bell Tel. Co, 57; Durham Community Planning Coun, 64-65; N.C. Fund, 67. Sociol. Asn; Statist. Asn; Pop. Asn. Am. Research methodology; mass communications; urban sociology and ecology. Publ: Co-auth. Social aspects of aging, Duke, 66; Local intimacy in a middle-sized city; Transportation: I social aspects, In: International Encyclopedia of the Social Sciences, 68. Address: Dept. of Sociology & Anthropology, Duke University, Durham, N.C. 27706.

SMITH, PROF. JOHN H(ENRY), b. Gilman, Iowa, July 18, 04; m. 36. STATISTICS. B.A. Iowa State Teachers Col, 35; M.B.A. Chicago, 39, Ph.D.(bus. admin), 41. Instr. statist. Chicago, 40-42; statistician, U.S. Bur. Labor Statist. 42-45, acting chief statistician, 45-47; PROF. STATIST. AMERICAN UNIV, 47- Statist. Assn; Biomet. Soc; Math. Assn; Inst. Math. Statist. Publ: Co-auth, Business and economic statistics. Address: 4803 Westway Dr, Washington, D.C. 20016.

SMITH, PROF. J(OHN) MALCOLM, b. Vancouver, B.C., Jan. 24, 21; U.S. citizen; m. 43; c. 2. POLITICAL SCIENCE. B.A. Washington (Seattle), 46; M.A., Stanford, 48, Haynes Found. fel, 49-50, Ph.D.(polit. sci), 51. Instr. govt. dept. pub. law & govt. Columbia, 50-52; asst. dir. west. region & exec. dir. Los Angeles world affairs coun. For. Policy Assn, 52-54; asst. prof. polit. sci., California, 54-57; consult. to asst. secy. manpower & personnel, U.S. Dept. Air Force, 57-58; to U.S. Cmnr. Civil Rights, 58-59; asst. to minority whip, U.S. Senate, 59-61; prof. govt. & asst. dir. govt. res. South Dakota, 61-62; vis. prof. POLIT. SCI., Arizona State, 62-65; PROF. & CHMN. DEPT. CALIF. STATE COL. HAYWARD, 65- Sheppard Found. fel, Columbia, 51-52; res. grant, Truman Library, 61. Consult. Calif. Elec. Power Co, 55. U.S.A., 43-46, Lt. Polit. Sci. Assn; Am. Soc. Int. Law. American constitutional law and national government. Publ: Powers of the President during crisis; California method of selecting judges, Stanford Law Rev. Address: Dept. of Political Science, California State College at Hayward, 25800 Hillary St, Hayward, Calif. 94542.

SMITH, DR. JOHN WALLACE, b. New Canaan, Conn., Aug. 3, 26; m. 54. SOCIOLOGY. B.A. Pennsylvania, 48, M.A., 51, Ph.D.(sociol), 59; cert. French lit, Paris, 49. Instr. sociol. Pennsylvania, 50-54; French, Haverford Col, 55-57, SOCIOLOGY, 57-60; asst. prof. DREXEL INST, 60-66, ASSOC. PROF, 66- Fulbright lectr. Am. polit. Univs. Bordeaux & Grenoble, 66-67. U.S.A., 44-46. Sociol. Assn. Political sociology, especially political parties and movements in France and the United States. Address: Dept. of Sociology, Drexel Institute of Technology, Philadelphia, Pa. 19104.

SMITH, DR. JOSEPH GEORGE, b. New York, N.Y., Nov. 28, 26; m. 51; c. 2. PSYCHOLOGY. B.A. Iowa, 49, U.S. Pub. Health Serv. fel, 49-52, M.A., 51, Ph.D.(psychol), 52. Intern. Worcester State Hosp, 50; asst. Cmn. Human Resources & Adv. Training, 52-54; assoc. soc. scientist, Rand Corp, 54-55, head develop. group, prog. dept, 55-56; v.pres. OXTOPY-SMITH INC, 56-58, PRES. 58- U.S.A., 44-46. AAAS; Psychol. Assn; Mkt. Assn; Asn. Pub. Opinion Res. Survey research; consumer behavior; marketing and advertising. Publ: Co-auth, Rorschach interpretation, advanced technique; auth, Influence of failure, expresses hostility and stimulus characteristics on verbal learning and recognition, J. Personality; co-auth, Some general problems of educating post-high school youth, Rev. Ed. Res. Address: Oxtoby-Smith Inc, 880 Third Ave, New York, N.Y. 10036.

SMITH, PROF. JOSEPH RUSSELL, Geog, see 9th ed, Soc. & Behav. Vols, deceased 66.

SMITH, PROF. KARL U(LRICH), b. Zanesville, Ohio, May 1, 08; m. 37; c. 4. PSYCHOLOGY. B.A. Miami (Ohio), 31; M.A. Brown, 33, Ph.D.(psychol), 35. Instr. psychol, Brown, 35-36; Rochester, 36-38, asst. prof, 38-43; asst. dir. in charge res, Nat. Defense Res. Cmt. Proj, Yale, 43-44; dir. res, WISCONSIN, 44-45, bur. indust. psychol, 45-47, assoc. prof. PSYCHOL, 46-47, PROF, 47-, DIR. BEHAV. CYBERNETICS, 63- Ford Found. vis. prof, Indiana. Consult. Gen. Elec. Co, 62-; Parker Pen Co, 66- AAAS; fel. Psychol. Assn; Soc. Exp. Psychol. Human engineering; perception and motion; human motion analysis; cybernetic theory of evolution; feedback theory of natural and human selection; behavioral and physiological cybernetics; experimental computer automation. Publ: Co-auth, Behavior of man, 58 & Cybernetic theory of evolution, 68, Holt; Perception and motion, Saunders, 62. Address: Dept. of Psychology, University of Wisconsin, Madison, Wis. 53715.

SMITH, PROF. KAY H(OGAN), b. Sandy, Utah, Mar. 6, 35; m. 56; c. 2. INDUSTRIAL & SOCIAL PSYCHOLOGY. B.A. Brigham Young, 57, M.A., 58; univ. fel, Wayne State, 58-60, Nat. Sci. Found. fel, 60, Ph.D.(indust. psychol), 62. Asst. PSYCHOL, Brigham Young, 56-58; asst. prof, Detroit Inst. Tech, 60-61; Mich. State, 61; BRIGHAM YOUNG, 61-65, ASSOC. PROF, 65- Res. dir, Nat. Inst. Ment. Health Alpine House, 64-66; res. psychologist, U.S. Army Behav. Sci. Res. Lab, 67-68. U.S.N., 57, Ens. Psychol. Assn. Personality and social psychology applied to problems of group productivity, especially role and self theory; attitude assessment and attitude theory. Publ: Ego strength and perceived competence as conformity variables, J. Abnorm. Soc. Psychol; co-auth, Dimensions of interpersonal perception in a meaningful ongoing group, Perceptual & Motor Skills, 66 & Effects of a rational appeal and of anxiety on conformity behavior, J. Personality & Soc. Psychol, 67. Address: Dept. of Psychology, Brigham Young University, Provo, Utah 84601.

SMITH, DR. KEITH V, b. Birmingham, Ala., Sept. 26, 37; m. 60; c. 1. BUSINESS ADMINISTRATION, OPERATIONS RESEARCH. B.S. Ohio State, 60, M.B.A., 61; Southern California, 62-63; Earhart Found. fel, Purdue, 64-65, Ford Found. fel, 65-66, Ph.D.(indust. admin), 66. Opers. res. analyst, N.Am. Aviation, Inc, 61-63; instr. econ, Purdue, 63-66; ASST. PROF. FINANCE & BUS. ECON, CALIFORNIA, LOS ANGELES, 66- Summer engr, Eastman Kodak Co, 60. Consult. Rand Corp, 67- Opers. Res. Soc. Am; Inst. Mgt. Sci; Finance Assn; Econ. Assn. Application of quantitative methods to problems of finance and investment management. Publ: Needed: a dynamic approach to investment management, Financial Anal. J., 5-6/67; A transition model for portfolio management, J. Finance, 9/67; co-auth, The cost of capital to the small firm, Eng. Economist, fall 67. Address: Graduate School of Business Administration, University of California, Los Angeles, Calif. 90024.

SMITH, PROF. KENDON, b. Minneapolis, Minn., July 4, 18; m. 45; c. 3. PSYCHOLOGY. A.B. Minnesota, 41; A.M. Princeton, 42, Ph.D.(psychol), 43. Psychologist, Off. Sci. Res. & Develop., D.C., 43-46; res. fel. PSYCHOL, Princeton, 46, instr, 46-47, asst. prof, 47-48; assoc. prof, Pa. State, 48-54, PROF. NORTH CAROLINA, GREENSBORO, 54-, head dept, 54-67. Mem, N.C. State Bd. Exam. Practicing Psychol, 67-69. AAAS; Psychol. Assn; Psy-

chonomic Soc. Perception; motivation and learning; systematics. Publ: Visual apparent movement in the absence of neural interaction, Am. J. Psychol; Conditioning as an artifact, Psychol. Rev; The naturalistic conception of life, Am. Scientist. Address: Dept. of Psychology, University of North Carolina at Greensboro, Greensboro, N.C. 27412.

SMITH, DR. KENNETH HOMAN, b. McAlester, Okla., Nov. 24, 28. ECONOMICS. B.A. Southern Methodist, 51, M.A., 57; Southern Fund fel, Oklahoma, 60-61, Ph.D., 62. Asst. ECON, Southern Methodist, 56-57; Oklahoma, 58-60; instr, HUNTER COL, 60-65, asst. prof, 65-67, ASSOC. PROF, 67- U.S.A., 54-56, Sgt. Econ. Assn. Administration of the escape clause in foreign trade agreements; economic and regional development of small town economies in the Southwest; international economics and economic development; labor; public policy. Publ: Co-auth, Economics, Doubleday, 65. Address: Dept. of Economics, Hunter College, 695 Park Ave, New York, N.Y. 10021.

SMITH, PROF. K(INSLEY) R(ICHARD), b. Chicago, Ill., Aug. 13, 06; m. 31; c. 3. INDUSTRIAL PSYCHOLOGY. B.S. Pennsylvania, 28, M.A., 30, Ph.D. (psychol), 36. Asst. prof. PSYCHOL, exten. PA. STATE, 36-37, asst. prof, 37-40, assoc. prof, 40-46, PROF, 47-, dir, Nat. Defense Res. Cmt. Proj, 42-43, contractors tech. rep, 44-45. Consult. Haller, Raymond & Brown, Inc, 52-55. Dipl. Am. Bd. Exam. Prfnl. Psychol. Chmn. panel antisubmarine warfare training, Nat. Res. Coun, 52-53. Fel. Psychol. Assn. Personnel selection and training; job analysis; motivation and morale. Publ: Fatigue, Psychol. Bull; Effectiveness of classification data in predicting billet performance in training the amphibious force, Off. Sci. Res. & Develop. Pub; Ventilation, In: Handbook of applied psychology. Address: Dept. of Psychology, Pennsylvania State University, University Park, Pa. 16802.

SMITH, DR. KIRK H(OWARD), b. Des Moines, Iowa, Feb. 19, 37; m. 59; c. 2. PSYCHOLOGY. B.A. Washington (Seattle), 58; Ph.D.(psychol), Minnesota, 63. Vis. instr. psychol, Indiana, 63-64; MEM. TECH. STAFF, BELL TEL. LABS, INC, 66- Med.Serv.C, U.S.A., 64-66, Capt. Psychol. Assn; Psychonomic Soc. Psycholinguistics, specifically acquisition and use of syntactic rules in natural language and in artificial linguistic material. Publ: Grammatical intrusions in the recall of structured letter pairs: mediated transfer or position learning?, 66 & Rule-governed intrusions in the free recall of structured letter pairs, 67, J. Exp. Psychol. Address: Room 2D-550, Bell Telephone Labs, Murray Hill, N.J. 07974.

SMITH, DR. L(ANGFORD) WHEATON, JR, b. San Francisco, Calif., Dec. 6, 28; m. 52; c. 3. BUSINESS ADMINISTRATION, COMPUTERS. B.A., St. John's Col.(Md), 48; M.B.A., Stanford, 51, Ph.D.(bus), 62. Instr. bus. admin, Menlo Col, 51-52; opers. res. analyst, Gen. Elec. Co, 52-56; mem. tech. staff, mgt. scis. dept, Ramo Wooldridge Corp, 56-57; staff analyst, Richfield Oil Corp, 57-62; spec. rep, IBM CORP, 62-63, PROG. MGR, 63- Asst. res. economist, California, Los Angeles, 60. Am. Acct. Assn; Statist. Assn; Economet. Soc; Nat. Assn. Acct; Opers. Res. Soc; Inst. Mgt. Sci; Asn. Comput. Mach. Computer application technology; management information systems. Address: 243 Ely Place, Palo Alto, Calif. 94306.

SMITH, PROF. LAWRENCE, Econ, see 10th ed, Soc. & Behav. Vols, deceased 66.

SMITH, DR. LEE H(ERMAN), b. Ector, Tex., Jan. 7, 35; m. 61; c. 1. STATISTICS, OPERATIONS RESEARCH. B.A. Texas A&M, 57, Ph.D.(statist), 64; M.S. Southern Methodist, 61. Engr. systs. anal, Chance Vought Aircraft, Tex, 57-59; opers. res. Tex. Instruments, Inc, 59-60; sr. engr, Temco Aircraft & Missiles, 60-61; eng. specialist, Ling-Temco-Vought, 64-65; asst. prof. statist, TEXAS, ARLINGTON, 65-67, ASSOC. PROF. STATIST. & ASSOC. DEAN, 67- Statist. Assn; Opers. Res. Soc. Am; Inst. Mgt. Sci. Application of statistics and mathematics in management and operations research. Publ: Statistical techniques in activation analysis, Analitica Chimica Acta, 10/66; Ranking procedures and subjective probability distributions, Mgt. Sci, 12/67. Address: 1454 Winding Brook Circle, Dallas, Tex. 75208.

SMITH, DR. LEO FRED, b. Burlington, Ill., May 17, 07; m. 33; c. 2. GUIDANCE. A.B. Occidental Col, 29; M.A. Chicago, 42, Ph.D.(eval), 43. Chmn. ed. res. off, ROCHESTER INST. TECH, 39-53, dir. counseling center, 41-53, dean instr, 53-60, V.PRES. ACAD. ADMIN, 60- Gen. Ed. Bd. fel. AAAS; Soc. Eng. Ed. Evaluation of curriculum; educational administration; engineering education. Publ: Co-auth, The technical institute. Address: Rochester Institute of Technology, Rochester, N.Y. 14614.

SMITH, DR. LEONA J(ONES), Granville, N.Y., Nov. 28, 12; m. 36; c. 2. PSYCHOLOGY. B.E. State Univ. N.Y. Albany, 48; M.S. Union Col.(N.Y.), 57; Ph.D.(relig. ed), N.Y. Univ, 63. Teacher, elem. sch, N.Y., 33-36; res. asst. psychol, UNION COL. CHARACTER RES. PROJ, 47-57, RES. PSYCHOLOGIST, 57- Psychol. Assn; Nat. Coun. Family Rel; Interam. Soc. Psychol. Personality development; learning; family climate. Publ: Co-auth, Let your husband be a man, and your wife a woman, Union Col. Character Res. Proj, 60 & The marriage climate, Bethany Press, 63; auth, Guiding the character development of the preschool child, Asn. Press, 68. Address: Union College Character Research Project, 10 Nott Terr, Schenectady, N.Y. 12308.

SMITH, DR. LESTER E(DWARD), b. Pittsfield, Mass., Apr. 27, 20. PSYCHOLOGY, SOCIOLOGY. A.B. Bates Col, 43; M.A., Stanford, 50, Ed.D. (counseling, student personnel & psychol), 54. Asst. head student personnel serv, Stanford village, Stanford, 50-51; asst. prof. ed. & sociol, Antioch Col, 51-54, counseling coordinator, freshmen personnel prog, 52-53; dean students, Washburn, 54-56, assoc. prof. ed. & sociol, 55-56; DIR. ed, Kans. Blue Cross & Blue Shield, 56-63; PLANNING, MANPOWER & ED, BLUE CROSS ASSOC, CHICAGO, 63- U.S.M.C., 43-46, Lt. Psychol. Assn; Personnel & Guid. Assn. Student-teacher relationships; educational experiences which facilitate self-discovery. Publ: Some implications of the theory of client-centered therapy for student personnel work; Relationship of home adjustment to campus adjustment. Address: 715 Washington Ave, Wilmette, Ill. 60091.

SMITH, PROF. LEWIS E(DWIN), b. Emerald, Pa., Nov. 16, 92. POLITICAL SCIENCE. A.B. Ursinus Col, 23; A.M. Columbia, 27; H.H.D. Albright Col,

55. Asst. prof, Schuylkill Col, 23-29; assoc. prof. POLIT. SCI, ALBRIGHT COL, 29-33, prof, 33-62, EMER. PROF, 62- Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Bicameral state legislatures. Address: Dept. of Political Science, Albright College, Reading, Pa. 19604.

SMITH, DR. LINCOLN, b. Brunswick, Maine, Feb. 12, 10. POLITICAL SCIENCE, JURISPRUDENCE. A.B., Bowdoin Col, 32; A.M. Wisconsin, 35, Ph.D., 45. Asst. U.S. hist. Yale, 43-44, instr. 44-45; polit. sci., Pennsylvania, 45-46; vis. asst. prof, California, Los Angeles, 46-47, asst. prof, 47-49; vis. scholar, Columbia, 49-51; asst. prof. POLIT. SCI, N.Y. UNIV, 56-59, ASSOC. PROF, 59- Summer vis. prof, New Brunswick, 66 & Dalhousie, 68. Regulatory administration; qualifications and trends in appointment of regulatory commissioners; appraisals of business expertise, political leadership and the manager system in local government. Publ: Power policy of Maine; Lawyers as regulatory commissioners, George Washington Law Rev; Granting municipal charters, Boston Univ. Law Rev. Address: Dept. of Political Science, New York University, New York, N.Y. 10003.

SMITH, PROF. LLOYD GEORGE, b. Butler, Ind, Mar. 14, 30. BUSINESS ADMINISTRATION. A.B. Ball State, 52; M.B.A. Indiana, 57, D.B.A. 63. Instr. & bus. mgr, high sch, 54-56; asst. prof. mkt, Arizona State, 59-64; assoc. prof, Northern Illinois, 64-67; PROF. MKT. & COORDINATOR M.B.A. PROG, WICHITA STATE, 67- Consult, Stephan Advert. Agency, Inc, 67- Ed, Proc. Nat. Conf. Am. Mkt. Asn, 64. U.S.A. 52-54. Mkt. Asn, (ed, bull, 64); Mgt. Asn; Econ. Asn; Soc. Adv. Mgt. Marketing; management; public relations; graduate education in business. Publ: Co-auth, Proc, First annual tax institute, Arizona State Univ, 60 & Reflections on progress in marketing, Am. Mkt. Asn, 65. Address: 7072 E. Kellogg, Apt. K, Wichita, Kans. 67207.

SMITH, DEAN LOUIS, b. Fayetteville, Tenn, Oct. 2, 05; m. 36; c. 1. POLITICAL SCIENCE. B.S. Peabody Col, 27; A.M. Vanderbilt, 30; Ph.D. Chicago, 49. Instr. jr. high dept, BERE A COL, 27-34, sr. high dept, 34-38, lower div, 38-40, assoc. prof. polit. sci, 40-44, dean upper div, 44-47, DEAN, 47-, PROF. POLIT. SCI. & ACAD. V.PRES, 66- Lectr, cols. & schs, India, 54; campus coordinator, Berea Col-Int. Coop. Admin, India, 58-62. Ed. consult, Ford Found, Mid. East & India, 56-58. Polit. Sci. Asn. Publ: Civil control of the military power in the United States; American democracy and military power. Address: Dept. of Political Science, Berea College, Berea, Ky. 40403.

SMITH, PROF. LOUIS M(ILDE), b. St. Louis, Mo, Dec. 24, 29; m. 50; c. 2. EDUCATIONAL PSYCHOLOGY. A.B. Oberlin Col, 50; M.A. Minnesota, 53, Ph.D. 55. Asst. psycho-ed. clin. Minnesota, 52-54; sch. psychologist, pub. schs. St. Paul, Minn, 53-55; asst. prof. ED. & PSYCHOL, WASHINGTON (ST. LOUIS), 55-61, assoc. prof, 61-65; PROF, 65- Psychol. Asn; Soc. Res. Child Develop; Ed. Res. Asn; Soc. Appl. Anthropol. Educational psychology; teacher behavior; classroom as a social system. Publ: Co-auth, Educational psychology, Knopf, 64 & The complexities of an urban classroom, Holt, 68; Concurrent validity of six personality and adjustment tests for children, Psychol. Monogr. Address: Graduate Institute of Education, Washington University, St. Louis, Mo. 63130.

SMITH, DR. LUKE M(ADER), b. Easton, Pa, Mar. 20, 12; m. 57. SOCIOLOGY. A.B. California, Los Angeles, 36; A.M. Harvard, 42, Ph.D. 48. Instr. Arizona, 46-48; asst. prof, St. Lawrence, 48-50; spec. instr. SOCIOL, Wayne, 50-51; acting asst. prof, Boston, 51-52; Sweet Briar Col, 52-53; Mary Washington Col. (Va), 53-54; Meredith Col, 54-55; asst. prof, Jacksonville State Col, 55-56; Buffalo, 56-58; assoc. prof, ALFRED, 58-67, PROF, 67-, CHMN. DEPT, 58- Sociol. Asn; Soc. Study Social Probs; Social role theory; community studies. Publ: Territorial variables in American local government; clergy; migration, authority structure and ideology. Address: Dept. of Sociology, Alfred University, Box 853, Alfred, N.Y. 14802.

SMITH, DR. M. ESTELLIE, b. Buffalo, N.Y., Dec. 1, 30. ANTHROPOLOGY. B.A. Buffalo, 62, M.A. 64, Ph.D. (anthrop), 67. ASST. PROF. ANTHROP. FLA. STATE, 66- Summer fcls, Nat. Inst. Ment. Health, 67, Nat. Found. Arts & Humanities & Am. Philos. Soc, 68. Fel. Anthropol. Asn; Ethnol. Soc. American Indian research, particularly social structure, social control and cultural change; American and European peasant societies; ethnolinguistics. Address: Dept. of Anthropology, Florida State University, Tallahassee, Fla. 32306.

SMITH, DR. M. GLENN, b. Easton, Pa, Aug. 26, 36; m. 58; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S. Pa. State, 58; M.S. Lehigh, 60; Link fel, Tufts, 63-64, Ph.D. (psychol), 67. Res. asst. psychol, Lehigh, 58-60; res. psychologist, U.S. Army Ordnance Human Eng. Labs, 60-61; teaching asst. PSYCHOL, Tufts, 61-65; ASST. PROF, HOBART & WILLIAM SMITH COLS, 65- AAAS; Psychol Asn; Human Factors Soc. Physiological correlates of learning. Publ: Co-auth, Effects of non-reinforcement on subsequent reinforced running behavior, J. Exp. Psychol, 62, Text-anxiety level, heart rate, and anagram problem solving, J. Personality & Soc. Psychol, 65 & Stimulus abstractness and emotionality as determinants of word-association, J. Verbal Learning & Verbal Behav. 66. Address: Dept. of Psychology, Hobart & William Smith Colleges, Geneva, N.Y. 14456.

SMITH, PROF. M(AHLON) BREWSTER, b. Syracuse, N.Y., June 26, 19; m. 47; c. 4. PSYCHOLOGY. B.A. Stanford, 39, M.A. 40; Rantoul scholar, Harvard, 40-41, Soc. Sci. Res. Coun. fel, 46-47, Ph.D. (soc. psychol), 47. Jr. analyst, Off. U.S. Coordinator of Info, 41; asst. prof. soc. psychol, Harvard, 47-49, res. assoc, lab. soc. reils, 47-49, Russian Res. Center, 48-49, prof. psychol. & chmn. dept, Vassar Col, 49-52; mem. staff, Soc. Sci. Res. Coun, 52-56; PROF. PSYCHOL, N.Y. Univ, 56-59; California, Berkeley, 59-68, assoc. dir, inst. human develop, 62-65, dir, 65-68; PROF. & CHMN. DEPT, CHICAGO, 68- Fel, Center Adv. Study Behav. Sci, 64-65. Ed, J. Soc. Issues, 50-55; J. Abnorm. & Soc. Psychol, 56-61. V.pres, Joint Cmn. Ment. Illness & Health, 55-61; mem. adv. cmt. soc. sci, Nat. Sci. Found, 66- psychol. training cmt, Nat. Inst. Ment. Health, 67- U.S.A. 42-45, Maj. Fel. Psychol. Asn; Sociol. Asn; Soc. Res. Child Develop; Soc. Psychol. Study Soc. Issues (pres, 58-59). Attitudes; personality; social psychology. Publ: Co-auth, American soldier, Princeton, 49, Opinions and personality, Wiley, 56 & Socialization

and society, Little, 68. Address: Dept. of Psychology, University of Chicago, Chicago, Ill. 60637.

SMITH, MALCOLM, Math, see 11th ed, Phys. & Biol. Vols.

SMITH, DR. MAPHEUS, Sociol, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 68.

SMITH, DR. MARILYN CHAPNIK, b. Toronto, Ont, Mar. 15, 42; m. 63; c. 1. PSYCHOLOGY. B.A. Toronto, 63; Ph.D. (exp. psychol), Mass. Inst. Tech, 66. ASST. PROF. PSYCHOL, TORONTO, 66- Asst. prof, Carleton, 67-68; Defence Res. Bd. res. grant, 67-69; Nat. Res. Coun. res. grant, 67-70. Psychol. Asn. Perception, especially visual masking and metacontrast; signal detection; information processing; parallel versus serial processing, using reaction time as an indicator; short term memory. Publ: Co-auth, Detection in metacontrast, J. Exp. Psychol, 68; auth, Theories of the psychological refractory period, Psychol. Bull, 67; RT to a second stimulus as a function of the intensity of a first stimulus, Quart. J. Exp. Psychol, 67. Address: Dept. of Psychology, University of Toronto, Toronto, Ont, Can.

SMITH, PROF. MARION B(USH), b. Anthony, Kans, Feb. 7, 93; m. 17; c. 4. SOCIOLOGY. A.B. Denver, 17, A.M. Colorado, 28; Ph.D. Louisiana, 37. Asst. ed, LA. STATE, 33-35, instr. sociol, 36-38, asst. prof, 38-41, assoc. prof, 41-44, dir. gen. exten. div, 41-44, prof. SOCIOL, 44-63, EMER. PROF, 63- Consult, Cmn. Higher Ed, La, 55-56. Sociol. Asn. Rural education; family relations. Publ: Sociological analysis of rural education in Louisiana; Survey of social science. Address: Dept. of Sociology, Louisiana State University, Baton Rouge, La. 70803.

SMITH, DEAN MARK W(ELDON), b. Columbus, Ohio, Oct. 11, 27; m. 50; c. 2. PSYCHOLOGY. B.A. Ohio State, 50, M.A. 51, fel. & Ph.D. (psychol), 53. Dir. voc. servs. & asst. prof. PSYCHOL, DENISON, 53-54, assoc. prof, 55-60, PROF, 60-, DEAN MEN, 54- Student personnel; educational psychology; personality theory. Publ: Older workers efficiency in jobs of various types, Personnel J; Evidence of potentialities of older workers in a manufacturing company, Personnel Psychol. Address: Box 658, Granville, Ohio 43023.

SMITH, DEAN MARY PHLEGAR, b. Ephrata, Pa, June 5, 98. ECONOMICS, SOCIOLOGY. A.B. Pennsylvania, 21; A.M. North Carolina, 27, Ph.D. 30. L.H.D. Hollins Col, 63. Lectr. soc. econ. & soc. res, Bryn Mawr Col, 30-31; asst. prof. sociol, Ohio, 31-32; assoc. prof. econ. & sociol, HOLLINS COL, 32-35, prof, 35-64, dean, 39-64, EMER. PROF. & EMER. DEAN, 64- Trustee, Va. Polytech. Inst, 44-53. Chmn. Va. Adv. Cmt. Schs. & Cols, 53-55; mem. South. Fels. Fund Cmt, 54-58; Va. Fulbright Cmt, 57- Statist. Asn. Address: Hollins College, Va. 24020.

SMITH, PROF. MAURICE P(ERRY), b. Waterloo, Iowa, Sept. 10, 20; m. 46; c. 4. PSYCHOLOGY. B.A. Iowa, 44, M.A. 47, Ph.D. (psychol), 48. Instr. PSYCHOL, Denver, 46; from asst. prof. to PROF, COLORADO, 48- AAAS; Psychol. Asn; Asn. Ment. Deficiency. Psychology of learning; mental retardation. Publ: Functional teaching of the mentally retarded, C.C. Thomas, 66. Address: Dept. of Psychology, University of Colorado, Boulder, Colo. 80302.

SMITH, PROF. MAYNARD, b. Wis, Nov. 1, 19; m. 47; c. 2. POLITICAL SCIENCE. Ph.B. Wisconsin, 40, Ph.M. 46; Ph.D. New Sch. Soc. Res, 53. Lectr. POLIT. SCI, Hunter Col, 47-50; from lectr. to PROF, HOBART COL, 50- Rockefeller fel, 56-57. Mem. N.Y. State Col. Proficiency Exam. Bd. in Am. Govt, 66- U.S.A.A.F. 42-45. Polit. Sci. Asn. Systematic political philosophy; American political theory. Address: Dept. of Political Science, Hobart College, Geneva, N.Y. 14456.

SMITH, MEADE E(UGENE), b. Midwest, Wyo, Oct. 16, 24; m. 51. INDUSTRIAL PSYCHOLOGY. B.S. Marshall Col, 50, M.A. 51; Western Reserve, 51-53. Res. assoc. indust. psychol, personnel res. inst, Western Reserve, 51-52; conf. leader personnel training, Ford Motor Co, 52-53; asst. prof. bus. admin, Baldwin-Wallace Col, 53-54; SYSTS. DESIGNER ELEC. DATA PROCESSING, Am. Steel & Wire Div, U.S. Steel Corp, 54-63, U.S. STEEL CORP, 63- U.S.A. 43-46. Psychol. Asn. Applied statistical research via electronic data processing; psychological statistics. Address: 3184 Morningside Dr, Allison Park, Pa. 15101.

SMITH, DR. MELTON V(ERN), b. Tahoka, Tex, Nov. 14, 28; m. 55; c. 2. EDUCATIONAL PSYCHOLOGY. B.S. North Texas State, 48; M.Ed. Texas, 51, M.A. 57, Ph.D. 58, L.L.B. 60. Teacher & counsr, Pilot Point Independent Sch. Dist, Tex, 48; teacher, Carey Sch. Dist, 48-49; pub. schs, 49-54; asst. prof. ed. psychol, Tennessee, 59-60; ed. psychol. & sch. law, Missouri, 60-63, assoc. prof, 63-64; PSYCHOLOGIST, ROHRER, HIBLER & REPLOGUE, 64- U.S.A.F. 54-56. Psychol. Asn. Learning processes; teaching machines and programmed materials; tests and measurements; industrial psychology. Publ: Self representations of American and Korean youth. Address: 302 Southwest Tower, 707 McKinney at Milam, Houston, Tex. 77002.

SMITH, PROF. MELVIN W(AYNE), b. Cullman, Ala, Dec. 20, 28; m. 52; c. 3. AGRICULTURAL ECONOMICS. B.S. Auburn, 51, M.S. 57; Ph.D. Ohio State, 60. Self employed, 51-52, 54-57; instr, Ohio State, 58-60; state specialist, fruit & veg. mkt, Auburn Exten. Serv, 60-61; PROF. econ. St. Bernard Col, 61-64; BUS. ADMIN, SAMFORD, 64- U.S.A. 52-54, Sgt. Econ. Asn; Agr. Econ. Asn; Mkt. Asn. Fruit and vegetable industry. Publ: Alabama's expanding peach industry; Analysis of the East Cleveland farmer's market. Address: Dept. of Business Administration, Samford University, Birmingham, Ala. 35209.

SMITH, PROF. MERVIN (GEORGE), b. Corunna, Ind, Apr. 6, 11; m. 42. AGRICULTURAL ECONOMICS. B.S. Purdue, 33, Ph.D. (agr. econ), 40. Asst. agr. econ, Purdue, 36-39, instr, 36-37, 39-42; agr. economist & attache, U.S. Dept. State, Mex, 42-45; res. dir, May Seed & Nursery Co, Iowa, 45-48; assoc. prof. agr. outlook & policy, exten, OHIO STATE, 48-50, prof, 50-53, PROF. AGR. ECON. & RURAL SOCIOL. & CHMN. DEPT, 53-, OHIO AGR. EXP. STA, 53-, ASST. DEAN COL. AGR. & HOME ECON, 66- Consult, Int.

Coop. Admin. 57-59, Agency Int. Develop. 66; Inter-Am. Inst. Agr. Sci. 64. Am. Agr. Econ. Assn; Soc. Int. Develop; Int. Assn. Agr. Econ. Agricultural policy; foreign agricultural development; farm management. Publ: Ed, Adjustments in agriculture: a national basebook; auth, Appraisal of foreign agricultural technical assistance programs in agriculture, Am. Farm Econ. Assn. J. Address: Agriculture Administration Bldg, Ohio State University, 2120 Fyffe Rd, Columbus, Ohio 43210.

SMITH, PROF. MILDRED B(ULLER), Agr. Econ, see 10th ed, Soc. & Behav. Vols.

SMITH, PROF. MONCRIEFF H(YNSON), JR, Psychol, see 11th ed, Phys. & Biol. Vols.

SMITH, DR. NATHAN, Russian Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SMITH, DR. NELSON FAY, b. Leominster, Mass, Feb. 15, 37; m. 66; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A. Colgate, 59, M.A. Col. William & Mary, 61; Nat. Inst. Ment. Health fel. & Ph.D.(psychol), Princeton, 63. Nat. Inst. Ment. Health fel, Princeton, 63-64, res. assoc. PSYCHOL, 64-65; ASST. PROF, RHODE ISLAND, 65- U.S. Pub. Health Serv. res. grant, 67-68. Consult, in-serv. ed. dept. & head geriat. res. div, R.I. Int. Health, 66- Psychol. Assn. Processes and variables of learning, especially as it relates to the developmental sequences. Publ: Co-auth, Role of response-linked fear in the effects of a single ECS on an avoidance response, 64, Species differences in activity during hunger and thirst, 2/66 & Effects of interpolated learning on the retention of an escape response in rats as a function of age, J. Comp. & Physiol. Psychol, 4/68. Address: Dept. of Psychology, University of Rhode Island, 44 Lower College Rd, Kingston, R.I. 02881.

SMITH, DR. NELSON LEE, b. Baltimore, Md, Feb. 15, 99; m. 55; c. 2. ECONOMIC. A.B. Dartmouth Col, 21, M.C.S. 22; Ph.D. Michigan, 28. Instr. econ, Dartmouth Col, 21-24, asst. prof, 24-34, prof, 34-37; chmn, State Pub. Serv. Cmn, N.H. 33-41; pres, Nat. Assn. R.R. & Utilities Cmns, 38-39; chmn. Bd. Invest. & Res. Transportation, 41-43; mem. Fed. Power Cmn, 43-55, v.chmn, 46-47, chmn, 47-50; v.pres, Am. Airlines, 55-61; prof. bus, grad. sch. bus, Columbia, 61-67; ECON. CONSULT, 61- Instr. Michigan, 22-24. Econ. Assn. Fair rate of return in public utility regulation. Publ: Co-auth, Economics, Vols. I & II. Address: P.O. Box 603, Madison, Conn. 06443.

SMITH, PROF. NEWLIN R(USSELL), b. Philadelphia, Pa, Jan. 26, 04. ECONOMIC. A.B. Swarthmore Col, 28; A.M. Columbia, 29, Ph.D. 44; Chicago, 31-32. Instr. econ, Buffalo, 29-31, 34, asst. prof, 36-42; economist, Off. Alien Property Custodian, 44-46; asst. prof. ECON, TUFTS, 46-50, assoc. prof, 50-67, PROF, 67- Econ. Assn; Finance Assn; Econ. Hist. Assn. Economic history; land for the small man, English and Welsh experience with publicly-supplied small holdings, 1860-1937. Address: Dept. of Economics, Tufts University, Medford, Mass. 02155.

SMITH, DR. NOEL W, b. Marion, Ind, Nov. 2, 33; m. 54; c. 2. PSYCHOLOGY. B.A. Indiana, 55, Ph.D.(psychol), 62; M.A. Colorado, 58. Asst. prof. PSYCHOL, Wis. State, 62-63; STATE UNIV. N.Y. COL. PLATTSBURG, 63-66, ASSOC. PROF, 66- Res. Found. of N.Y. grant-in-aid, 66-68. Psychol. Assn. Empirical establishment of spatial and temporal approach and avoidance gradients for conflict behavior predictors; logical analysis of facts of basic concepts in psychology; applications of facts of learning behavior to various situations. Publ: An empirical determination of an approach gradient, J. Comp. & Physiol. Psychol, 60; GSR measures of temporal approach and avoidance gradients, Psychol. Record, 65; Psychology and child discipline: applying research findings, Child & Family, 67. Address: Dept. of Psychology, State University of New York at Plattsburg, Plattsburg, N.Y. 12901.

SMITH, DR. NORTON E(UGENE), b. De Kalb, Ill, Aug. 13, 29; m. 57; c. 3. AGRICULTURAL ECONOMICS. B.S. Illinois, 51; M.S. Purdue, 55, Ph.D. 59. Asst. agr. econ, Purdue, 53-55; buyer, Marhoefer Packing Co, 55-56; instr. agr. econ, Purdue, 56-59, asst. prof, 59-63; mgr, feed planning res, Quaker Oats Co, 63-65; DIR. ECON. RES. & CORPORATE PLANNING, RATH PACKING CO, 65- Ord.C. U.S.A. 51-53. Agr. Econ. Assn; Sci. Res. Soc. Am. Business management analysis, especially operational efficiency of livestock assembly and meat packing firms; macro-economic analysis of livestock economy. Publ: Hog evaluation procedure for packing plants, agr. exp. sta, Purdue, 8/62; co-auth, Business coordination in the livestock industry, Iowa State Univ, 4/63; auth, Discussion: economic implications of market orientation, J. Farm Econ, 5/65. Address: Rath Packing Co, P.O. Box 330, Waterloo, Iowa 50704.

SMITH, DR. OLIN W(HITNEY), b. Ithaca, N.Y, June 15, 18; m. 42. PSYCHOLOGY. A.B. Cornell, 43, Ph.D.(indust. psychol, psychobiol, measurement), 53. Instr. PSYCHOL, Cornell, 50-51, res. assoc, 51-66; RES. PROF, BOWLING GREEN STATE, 66- Fel. Belgian Am. Ed. Found, Louvain, Belgium, 55-56; vis. lectr, Wells Col, 56-57, vis. assoc. prof, 57-58. Consult, Cain-Smith Assocs, 51- Mem. vision cmt, Nat. Res. Coun, 60- Psychol. Assn; Indust. Rels. Assn. Child and adult perception of depth, distance and motion; motor performance; analysis of criteria. Publ: Veridical perceptions of cylindricality: a problem of depth discrimination and object identification; Ball throwing responses to photographically portrayed targets. Address: Dept. of Psychology, Bowling Green State University, Bowling Green, Ohio 43402.

SMITH, DR. PATRICIA ANN, b. Des Moines, Iowa, Mar. 17, 29. PSYCHOLOGY. B.S. Wisconsin, 52, M.S. 54; Ph.D.(counseling psychol), Oregon, 62. Asst. prof. psychol, South. Ore. Col, 58-60; counsr, Univ. Oregon, 60-62; ment. health consult, Health Dept. San Jose, Calif, 62-65; ASST. PROF. PSYCHOL, SAN JOSE STATE COL, 65- Psychol. Assn. Motor skills; marriage and family life; educational-occupational counseling. Address: 3207 Myles Court, Number 4, San Jose, Calif. 95117.

SMITH, PROF. PATRICIA C(AN), b. Minneapolis, Minn, Oct. 28, 17; m. 42. PSYCHOLOGY. A.B. Nebraska, 39; Bryn Mawr Col, 39-40; Northwestern,

39; fel, Cornell, 40-42, Ph.D.(indust. psychol), 42. From personnel intern to technician, Aetna Life & Affiliated Co, Conn, 42-44; supvr. personnel div, Kurt Salmon Assocs, Wash, D.C., 44-48, res. supvr, 48-63; asst. prof. PSYCHOL, Cornell, 49-53, assoc. prof, 54-63; PROF, 63-66; BOWLING GREEN STATE, 66- Lectr, Ithaca Col, 48-49; vis. lectr, Wells Col, 49; Nat. Sci. Found. fel, 62-63. Fel. Psychol. Assn; Statist. Assn. Test analysis; business and industrial psychology; individual differences in susceptibility to monotony; measurement of job satisfaction; criterion analysis; task characteristics; job satisfaction; retraining of disadvantaged persons; measurement of activation; equitable payment. Publ: Co-auth, Principles of industrial psychology, Ronald, 54; auth, Developmental studies of spatial judgments by children and adults, Perceptual & Motor Skills Monogr, 66; The development of a method of measurement of job satisfaction: the Cornell studies, In: Studies in personnel and industrial psychology, Dorsey, rev. ed, 67. Address: 505 Donbar Dr, Bowling Green, Ohio 43402.

SMITH, DR. PAUL A(LAN) L(AWRENCE), b. Chicago, Ill, Apr. 11, 28; m. 56; c. 4. POLITICAL SCIENCE. B.S. Wisconsin, 50; M.A. Princeton, 53, Ph.D. 60; Ford intern, Columbia, 53-54. Vis. instr. POLIT. SCI, Columbia, 53-54; instr, Dickinson Col, 55-59, asst. prof, 59-60; Grinnell Col, 60-63, assoc. prof, 63-65; ASSOC. PROF, STATE UNIV. N.Y. BINGHAMTON, 65-, MASTER DICKINSON COL, 67- Nat. Center Ed. in Polit. faculty fel, Democratic Nat. Cmt, Wash, D.C., 64-65; State Univ. N.Y. Res. Found. faculty fel, 66-67, grants-in-aid, 67-68. Polit. Sci. Assn. Public opinion formation, especially international politics; structure and exercise of community leadership and power; political parties; decision-making; public policy leadership. Publ: Co-auth, Politics and social life, Houghton, 63 & Campaign decision-making, Wadsworth, 68; auth, Games of community politics, Midwest J. Polit. Sci, 63. Address: 8 Murray St, Binghamton, N.Y. 13905.

SMITH, PROF. PAUL EVEREST, b. Glenmont, Ohio, Mar. 25, 10; m. 40; c. 2. MARKETING, INDUSTRIAL RELATIONS. B.S. Ohio State, 32, M.A. 37; Ph.D. N.Y. Univ, 56. Ed. dir, Halle Bros. Co, 47-51; instr. retailing, N.Y. Univ, 51-56; from asst. prof. to PROF. MKT, GRAD. SCH. BUS. ADMIN, MICH. STATE, 56- Mkt. Assn. Marketing systems; psychological aspects of consumers; shopping centers as a system; human relations in industry. Publ: Selling in stores; Shopping center management. Address: Graduate School of Business Administration, Michigan State University, East Lansing, Mich. 48823.

SMITH, PROF. PAUL F, b. Mansfield, Ohio, Dec. 21, 19; m. 42; c. 2. ECONOMIC. A.B. Chicago, 41; M.A. Northwestern, 46; Ph.D.(econ), American Univ, 55. Instr. econ, Denison, 46-47; economist, Fed. Reserve Bd, 47-59; assoc. prof. FINANCE, PENNSYLVANIA, 59-64, PROF, 64-, chmn. dept, 63-67. U.S.N. 42-46, Lt. Comdr. Econ. Assn; Finance Assn. Money and banking; economic theory; consumer credit. Publ: Cost of consumer credit, Princeton, 64. Address: 31 Highview Dr, Radnor, Pa. 19087.

SMITH, PRES. PAUL S(AMUEL), b. Richmond, Ind, July 3, 97. POLITICAL SCIENCE. A.B. Earlham Col, 19; A.M. Wisconsin, 20, Ph.D. 27; hon. L.H.D. Calif. Col. Med, 55; hon. LL.D. Earlham Col, 61, Whittier Col, 62. PROF. AM. HIST. & POLIT. SCI, WHITTIER COL, 22-, PRES, 51- Hist. Assn; Polit. Sci. Assn. American political institutions and social idealism; American Constitution; American Electoral system. Address: Dept. of Political Science, Whittier College, Whittier, Calif. 90608.

SMITH, DR. PETER HOPKINSON, Latin Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SMITH, DR. P(ETER) J(OHN), b. Rakiaia, N.Z, Sept. 18, 31; m. 59. GEOGRAPHY. M.A. New Zealand, 54; fel, Toronto, 58-59, dipl, 59; Ph.D.(geog), Edinburgh, 64. Res. planner, Calgary Planning Dept, 58-59; asst. prof. GEOG, ALBERTA, 59-64, ASSOC. PROF, 64-, CHMN. DEPT, 67- Town Planning Inst. Can.(cert, 59); Can. Assn. Geog; N.Z. Geog. Soc. Urban and regional planning; urban-political geography; evolution of urban morphology with particular reference to political decision-making as an agent of urban change. Publ: Population and production: a introduction to some problems in economic geography, Dent & Sons, Can, 67; Changing objectives in Scottish new towns policy, Ann. Assn. Am. Geog, 66; Rural interests in the physical expansion of Edinburgh, B.C. Geog. Series, 66. Address: Dept. of Geography, University of Alberta, Edmonton, Alta, Can.

SMITH, DR. PHILIP A(LDEN), b. Dayton, Ohio, Mar. 11, 27; m. 51; c. 1. PSYCHOLOGY. B.A. Miami (Ohio), 48; M.S. Kentucky, 53, Ph.D. 55. Soc. worker, Dayton State Hosp, Ohio, 50-51; clin. psychol. trainee, Vet. Admin. Hosp, Lexington, Ky, 51-55, clin. psychologist, Ann Arbor, Mich, 55-56, clin. res. psychologist, 56-57, dir. psychol. res. sect, med. res. labs, 57-58; psychologist, training coordination, Syst. Develop. Corp, 58-59, mem. adv. study staff, command-control sysys, 59-60, head training eval. sect. 60-61, mem. prog. planning staff, bio-med. sysys. dept, 61-63; CHIEF REHAB. SERV, ACTON REHAB. CENTER, LOS ANGELES CO. DEPT. HOSPS, 64- Lectr, eve. exten, Michigan, 58; Pierce Col, 59-64; lectr, California, Los Angeles, 64-66. Private consult, 55-; res. consult, Nat. Inst. Ment. Health Hosp. Automation Proj, Calif. State Hosp, Camarillo, 63-65; consult. psychologist, Woodview Psychiat. Hosp, 63- U.S.A. 45-46. AAAS; Psychol. Assn. Computer-based information processing systems; clinical research methods and experimental design; therapeutic community processes; training mental health manpower. Publ: Impact of computers on automation of medical diagnosis, Behav. Sci; Comparison of three sets of rotated factor analytic solutions of self-concept data, J. Abnorm. & Soc. Psychol; Factor-analytic study of the self concept, J. Consult Psychol, 60. Address: 22411 Cass Ave, Woodland Hills, Calif. 91364.

SMITH, DR. PHILIP E(DWARD) L(AKE), b. Fortune, Newf, Aug. 12, 27; m. 59; c. 1. ANTHROPOLOGY. B.A. Acadia, 48; A.M. Harvard, 57, Ph.D. 62; Bordeaux, 58-59. Lectr. ANTHROP, Toronto, 61-63, asst. prof, 63-65, ASSOC. PROF, 65-66; MONTREAL, 66-, dir. prehist. exped, Iran, 67. Can. Nat. Res. Coun. grant, 67. Dir. prehist. archaeol. invest. Aswan Dam region, Egypt, UNESCO Cmn. of Can. Govt. & Nat. Mus, 62-63. AAAS; fel. Anthropol. Assn; Soc. Am. Archaeol; Brit. Prehist. Soc. Old world prehistoric archaeology; paleolithic and neolithic of Middle East, Europe, Africa and

Asia; prehistoric art. Publ: Le Solutréen en France, Univ. Bordeaux, 66; The late palaeolithic of Northeast Africa in the light of recent research, Am. Anthropol., 66; co-auth, Research in the prehistory of Central Western Iran, Science, 66. Address: Dept. of Anthropology, University of Montreal, Montreal 3, P.Q., Can.

SMITH, DR. PHILIP HILLYER, JR, Ling, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SMITH, DEAN RALPH CARLISLE, Chem. Eng, see 11th ed, Phys. & Biol. Vols.

SMITH, DR. R(ALPH) ELBERTON, b. Chicago, Ill, Dec. 30, 10; m. 42; c. 2. ECONOMICS. A.B. Col. Wooster, 35; A.M. Chicago, 46, Ph.D. 47. Instr. econ, Denver, 39-41; economist, War Prod. Bd, 42; asst. prof. econ, Northwestern, 47-50; econ. historian, off. mil. hist. U.S. Dept. Army, 50-56; vis. lectr, Indiana, 57-58; PROG. ECONOMIST, U.S. AGENCY INT. DEVELOP, Japan, 58-60, Cambodia, 60-63, ANKARA, TURKEY, 64- Lectr, Maryland, 52-57. U.S.N.R. 42-46, Lt. Comdr. Econ. Asn; Soc. Int. Develop. International economics; economic mobilization for war; scope and method in social science. Publ: Customs valuation in the United States: a study in tariff administration; The Army and economic mobilization, In: U.S. Army in World War II series; Value judgments and the social sciences, Am. Asn. Univ. Prof. Bull. Address: U.S. Agency for International Development AD/EP, APO New York 09254.

SMITH, PROF. RALPH EMERSON, Agr. Econ, see Suppl V to 11th ed, Phys. & Biol. Vols.

SMITH, RAYMOND C(HARLES), b. Amboy, Ill, Feb. 1, 96; m. 24; c. 2. AGRICULTURAL ECONOMICS. B.S. Illinois, 20; M.S. Cornell, 27; Ohio State, 30-31. County agr. exten. agent, Ohio State, 20-29, asst. prof. agr. econ, 29-33; v-pres. & secy, prod. credit corp, Farm Credit Admin, Ky, 33-35; regional dir, Farm Security Admin, Ind, 35-39; chief prog. analyst, bur. agr. econ, U.S. Dept. Agr, 39-45, asst. chief, 46-52; dir, U.S. Tech. Coop. For. Oper. Admin, Haiti, 52-55; chief agr. field party, Int. Coop. Admin, Costa Rica, 55-57; CONSULT. TECH. COOP, 57- U.S.A. 17-19. AAAS: Agr. Econ. Asn; Rural Sociol. Soc.(v-pres); Sociol. Asn. Rural social organization, opinion and attitude. Address: Rt. 1, Box 121, Clackamas, Ore. 97015.

SMITH, PROF. RAYMOND C(LARIS), b. Eagleville, Mo, Nov. 22, 19; m. 52; c. 2. AGRICULTURAL ECONOMICS. B.S. Missouri, 49; M.S. Illinois, 50, Ph.D.(agr. econ), 54. Asst. AGR. ECON, Illinois, 49-51; asst. prof, DELAWARE, 51-56, assoc. prof, 56-63, PROF, 63-, CHMN. DEPT, 65- U.S.A.A.F., 43-45. Agr. Econ. Asn. Agricultural marketing and prices. Publ: Co-auth, An experimental approach to the estimation of short-run price elasticity of demand for broilers, Bull. 344, 11/62, Pricing broiler flocks on a ready-to-cook versus a live basis, Bull. 346, 1/64 & Soybean marketing in Delmarva, Bull. 361, 5/66, Del. Exp. Sta. Address: College of Agricultural Sciences, University of Delaware, Newark, Del. 19711.

SMITH, PROF. RAYMOND T, b. Oldham, Eng, Jan. 12, 25; m. 51; c. 3. ANTHROPOLOGY. B.A. Cambridge, 50, M.A. 51, Ph.D.(anthrop), 54. Res. fel. sociol, inst. soc. & econ. res, Univ. West Indies, 54-59, prof. anthrop, 62-66; PROF. sociol. & anthrop, Ghana, 59-62; ANTHROP. CHICAGO, 66- Vis. prof, California, Berkeley, 57-58; McGill, 64-65; Nat. Sci. Found. res. grant, 67-69. R.A.F. 43-48, Capt. Anthropol. Asn. Family structure, race, social stratification and social change in the Caribbean and West Africa; urban problems in the Caribbean and United States. Publ: The Negro family in British Guiana, Routledge & Kegan Paul, 56; British Guiana, Oxford Univ, 62; Social stratification, cultural pluralism and integration in West Indian societies, Univ. Puerto Rico, 67. Address: Dept. of Anthropology, University of Chicago, 1126 E. 59th St, Chicago, Ill. 60637.

SMITH, DR. REED M(EREDITH), b. Johnstown, Pa, Feb. 26, 20; m. 51; c. 4. POLITICAL SCIENCE. B.A. Oberlin Col, 49; M.A. Pa. State, 54; M.A. Columbia, 53, cert, 54, Ph.D.(pub. admin), 61; fel, Pennsylvania, 59-60. Teacher, State Training Sch, N.J., 43-45; Westtown Friends Sch, Pa, 49-50; asst. polit. sci, Pa. State, 50-51; intern pub. admin, rent cmn, State Dept. Civil Serv, N.Y., 52-53, jr. exam, temporary state housing rent cmn, admin. off, 53-54; teacher, Morningside Sch, N.Y., 54-55; instr. hist. & polit. sci, Baldwin-Wallace Col, 55-58; lectr, pub. admin, Fels Inst. Local & State Govt, Pennsylvania, 60-61, asst. prof, 61-63; ASSOC. PROF. POLIT. SCI, BRADLEY, 63-, HEAD DEPT, 65- Lectr, City Col. New York, 53; Brooklyn Col, 54-55. With Civilian Pub. Serv, 41-45 & Am. Friends Serv. Cmt, 46-47. Polit. Sci. Asn; Soc. Pub. Admin. Public administration, especially state and local government; Soviet studies, especially Soviet government; urban studies; political transition in Illinois cities. Publ: The administrative reforms of the leader administration in Pennsylvania, 1955-59; State government in transition, Univ. Pennsylvania, 63. Address: Dept. of Political Science, Bradley University, Peoria, Ill. 61606.

SMITH, PRES. RHOTEN A(LEXANDER), b. Dallas, Tex, Jan. 17, 21; m. 42; c. 2. POLITICAL SCIENCE. A.B. Kansas, 46, M.A. 48; Ph.D. California, 55. Instr. polit. sci, Kansas, 47-49, 51-54, asst. prof, 54-57, assoc. prof, 57-58, res. assoc, govt. res. center, 47-49, 51-58; asst. California, 49-51; dean col. lib. arts, Temple, 61-67, PRES. NORTHERN ILLINOIS, 67- U.S.A. 43-45, Lt. Fel. AAAS; Polit. Sci. Asn. Political parties and pressure groups; political behavior and participation. Publ: Life of a bill; Republican primary fight: a study in factionalism. Address: Northern Illinois University, DeKalb, Ill. 60115.

SMITH, DR. RICHARD C(HANDLER), Forestry, see 11th ed, Phys. & Biol. Vols.

SMITH, DR. RICHARD FRANCIS, b. Kalamazoo, Mich, June 13, 40; m. 63; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A. Kalamazoo Col, 62; Ph.D.(psychol), Indiana, 67. Res. asst. PSYCHOL, Kalamazoo Col, 60-62; Indiana, 62-66, teaching assoc, 66-67; ASST. PROF, UTAH, 67- Lab. technician psychopharmacol, Upjohn Pharmaceut, 60-62. Soc. Exp. Anal. Behav; Animal

Behav. Soc. Operant response topography; inter-response time analysis; techniques for sensing population density in small mammals; applications of computers to the behavioral sciences. Publ: Laboratory control of behavior without laboratory restraint, Psychonomic Sci, 65; co-auth, Differential reinforcing effects associated with a schedule of reinforcement, Hendry, 67; auth, Behavioral events during pecking which produce 30 msec inter-response times, J. Exp. Anal. Behav, 68. Address: Dept. of Psychology, Annex 150, University of Utah, Salt Lake City, Utah 84112.

SMITH, DR. RICHARD KENT, b. Billings, Mont, June 30, 36; m. 60. EXPERIMENTAL PSYCHOLOGY. B.A. Montana, 61, M.A. 63; Ph.D.(psychol), Tulane, 65. ASST. PROF. PSYCHOL, AUBURN, 65- Grant-in-aid, 67- Dir. res, psychol. sect, Vet. Admin. Hosp, Tuskegee, Ala, 67- Psychol. Asn; Statist. Asn. Verbal learning; perceptual-motor learning; statistical analysis and design; behavioral pharmacology. Publ: Co-auth, Effects of a mnemonic technique applied to verbal learning and memory, 65 & auth, Effects of stimulus predifferentiation (familiarization) on stimulus and response generalization of a learned motor response, 67, Perceptual Motor Skills; co-auth, Food-reinforced response decrements as a function of amount of ionizing x-irradiation, Psychol. Reports, 65. Address: Dept. of Psychology, Auburn University, Thach Hall, Auburn, Ala. 36830.

SMITH, PROF. RICHARD L(EO), b. Salt Lake City, Utah, Jan. 14, 22; m. 45; c. 5. BUSINESS MANAGEMENT. B.A. Utah, 46; M.B.A. Northwestern, 47; D.C.S. Harvard, 56. Prof. acct, Brigham Young, 47-49, bus. mgmt, 49-60, chmn: dept, 52-58; assoc. prof. BUS. ADMIN, NORTHWESTERN, 58-62, PROF, 62- Stanford-Sloan faculty fel, 67-68. Consult. to Sudan, U.S. Agency Int. Develop, 66. Mgt. Asn. General management behavior and decision processes. Publ: Management through accounting, Prentice-Hall, 62; accounting influence on managerial decisions. Address: Dept. of Business Administration, Northwestern University School of Business, Evanston, Ill. 60201.

SMITH, DR. RICHARD PETRI, Pharmacol, see 11th ed, Phys. & Biol. Vols.

SMITH, DR. RICHARD V(ERGON), b. Ada, Ohio, June 28, 28; m. 60; c. 2. GEOGRAPHY. B.A. Miami (Ohio), 51; M.A. Northwestern, 52, scholar, 53-54, Ph.D.(geog), 57. Instr. GEOG, North Dakota, 54-57; asst. prof, MIAMI (OHIO), 57-64, assoc. prof, 64-68, PROF, 68- Vis. lectr, Univ. Southampton, 67; summers, Am. Coun. Learned Soc. travel grant, 64, Miami Univ. faculty res. fel, 67. Consult, Bur. Govt. Res, Ohio, 63-66. U.S.A. 47-48. Asn. Am. Geog; Am. Geog. Soc; Regional Sci. Asn; Pop. Asn. Am. Urban geography, including planning, population problems and resource development. Address: 217 Shideler Hall, Miami University, Oxford, Ohio 45056.

SMITH, DR. RICHARD W(ARREN), b. Denver, Colo, Jan. 2, 34. SOCIAL PSYCHOLOGY. B.A. Regis Col.(Colo), 55; univ. fel. & M.A., Colorado, 62, U.S. Pub. Health fcls. & Ph.D.(psychol), 66. Psychol. trainee, Vet. Admin. Hosp, Denver, 61-62; asst. PSYCHOL, Colorado, 60-65; ASST. PROF. SAN FERNANDO VALLEY STATE COL, 65- Participant, Nat. Sci. Found. Inst. Comput. Assisted Instr, summer 67. AAAS; Psychol. Asn. Cognitive theory, especially balance and dissonance models; use of computers in behavioral sciences. Address: Dept. of Psychology, San Fernando Valley State College, 18111 Nordhoff St, Northridge, Calif. 91324.

SMITH, DR. ROBERT D(AVID), b. Erie, Pa, Dec. 7, 37; m. 66; c. 1. MANAGEMENT. B.S. Gannon Col, 59; M.S. Pa. State, 64, Ph.D.(bus. admin), 66. Asst. to dean, Pa. State, 62-63, instr. MGT, 63-66, asst. prof, 66-68; ASSOC. PROF, KENT STATE, 68- Res. fel, Klein Inst, 66-67; lectr, exec. develop. progs, Rep. of Mex. Consult, U.S. Dept. Commerce, 66-67; Corning Glass Works, 67- U.S.A. 60-62, 1st Lt. Inst. Mgt. Sci; Acad. Mgt. Computer simulation of psychological decision processes, especially in the areas of personnel selection and performance appraisal; application of operations research models to behavioral science problems. Publ: Co-auth, Managerial control models: a systems approach, Holt, 68; auth, Application of Bayesian statistics to government quality assurance programs, J. Indust. Engr, 5/68; co-auth, Simulation of a psychological decision process in personnel selection, Mgt. Sci, 4/67. Address: Dept. of Management, Kent State University, Kent, Ohio 44240.

SMITH, ROBERT ELIOT, b. Arcachon, France, May 24, 99; U.S. citizen; m. 34. ANTHROPOLOGY, ARCHAEOLOGY. A.B. Harvard, 22. Staff mem, dept. archaeol, Carnegie Inst, 32-60; RES. ASSOC. MID. AM. CERAMICS, PEABODY MUS, HARVARD, 65- Spec. asst. to U.S. Mil. Attaché, Guatemala, 42-44. Anthropol. Asn; Soc. Am. Archaeol. Maya pottery and archaeology. Publ: Study of structure A-1 complex, Uaxactun, Peten, Guatemala; Pottery form Chipoc, Alta Verapaz, Guatemala; Ceramic sequence at Uaxactun, Guatemala. Address: One Orchard St, Marblehead, Mass. 01945.

SMITH, DR. ROBERT FRANKLIN, b. La Follette, Tenn, July 14, 25; m. 50. POLITICAL SCIENCE. Ph.D. Chicago, 55. Asst. prof. polit. sci, Southern Methodist, 55-58, ASSOC. PROF, 58-60; GOVT, SKIDMORE COL, 60- Summer faculty fel, Iowa, 56. U.S.N. 43-46. Polit. Sci. Asn. Political theory; international relations. Address: Dept. of Government, Skidmore College, Saratoga Springs, N.Y. 12866.

SMITH, PROF. ROBERT G(ILLEN), b. Dover, N.J., Oct. 16, 13; m. 42; c. 2. POLITICAL SCIENCE. A.B. Drew, 36; M.A. Columbia, 39, Ph.D.(hist. govt), 50. Instr. hist, DREW, 40-44, asst. prof. POLIT. SCI, 44-49, assoc. prof, 49-54, PROF, 54-, DIR. RES. INST. RES. GOVT, 63- Eagleton Found. grant-in-aid, 61; Danforth Found. fel, 61-62; tech. asst. serv, UN, 64-; adj. prof, Hunter Col, 65-67. Consult, Nat. Assn. Counties, 64-; temporary cmn. city finances, New York, 65-66. Mem. exec. cmt, Col-Fed. Agency Coun. & bd. dirs, Col-Fed. Internship Prog, 61-; Conf. Univ. Bur. Govt. Res, 65-; Task Force on Transportation Organization, New York, 66-67. Alumni achievement award, Drew, 60. Med. Admin. C, 42-46, Maj; Bronze Star Medal, 45. Polit. Sci. Asn; Soc. Pub. Admin. Regionalism; special-purpose government; urban government. Publ: Public authorities, special districts and local government, 64 & chap, In: Handbook on county organization and management, 67, Nat. Assn. Counties; co-auth, Perspectives in pragmatism, New Sch, New York, 67. Address: Dept. of Political Science, Drew University, Madison, N.J. 07940.

SMITH, DR. ROBERT G(RIFFIN), JR, b. Bainbridge, Ga, Sept. 25, 20; m. 44; c. 2. PSYCHOLOGY. B.A. Florida, 42, M.A. 47; Cornell, 43; Ph.D. (psychol), Illinois, 50. Supv. res. psychologist, Air Force Personnel & Training Res. Center, 50-57; assoc. prof. Tex. Tech. Col., 57-58; sr. scientist, HUMRRO, Ft. Bliss, 58-59, dir. res. 59-62, rep. hq. U.S. Continental Army Command, Ft. Monroe, 62-66, ASST. DIR. OPERS, 66- U.S.A., 42-46, Sgt. Psychol. Asn. Educational technology; training; selection and classification. Publ: Development of training objectives, 64, Controlling the quality of training, 65 & Design of instructional systems, 66, HUMRRO Report. Address: HumRRO, 300 N. Washington, Alexandria, Va. 22314.

SMITH, DR. ROBERT H(AROLD), b. East Orange, N.J., Aug. 17, 27; m. 51; c. 3; div; m. 65. ECONOMICS. B.Sc. Rutgers, 48, M.A. 49; univ. scholar, Syracuse, 49-51, Ph.D.(econ), 54. Economist, Stanford Res. Inst., 52-56; bus. res. assoc., Pa. R.R., 56-58; consult, Robert Heller & Assocs, Ohio, 58-63; v-pres, Elmendorf & Co. Inc., 63-66; v-pres. finance & admin. treas. & dir. Helme Prod. Inc., 66-67; ECONOMIST, WERTHEIM & CO, 67- U.S.N., 45-46. Econ. Asn; Statist. Asn. Business forecasting; market research; financial analysis; corporate organization. Address: Wertheim & Co, 1 Chase Manhattan Plaza, New York, N.Y. 10005.

SMITH, PROF. ROBERT HENRY TUFREY, b. Walcha, Australia, May 22, 35; m. 59; c. 2. ECONOMIC GEOGRAPHY. B.A. New England, Australia, 57; M.A. Northwestern, 58; Gen. Motors Holden's fel, Australian Nat. Univ., 60, univ. scholar & Ph.D.(geog), 62. Lectr. GEOG, Melbourne, 61-62; asst. prof. WISCONSIN, 62-64, assoc. prof., 64-67, PROF., 67- Soc. Sci. Res. Coun. res. grants, Australia, 62, N.Y., summer 63 & 57; Guggenheim fel, 64-65; assoc. res. fel, Nigerian Inst. Soc. & Econ. Res. & vis. lectr. Univ. Ibadan, 64-65; vis. fel, Univ. Sydney, 65-66; Asn. Am. Geogr. res. grant, 67 & travel grant, Int. Geog. Cong. London, July, 64. Asn. Am. Geog. Spatial structure of the economy, especially the tertiary sector. Publ: Commodity movements in southern New South Wales, Dept. Geog. Australian Nat. Univ., 62; co-auth. Interregional trade and money flows in Nigeria, 1964, Nigerian Inst. Soc. & Econ. Res., 67 & Oxford, (in press); auth. Method and purpose in functional town classification, Ann. Asn. Am. Geogr., 9/65. Address: Dept. of Geography, University of Wisconsin, Madison, Wis. 53706.

SMITH, PROF. ROBERT JOHN, b. Essex, Mo, June 27, 27. SOCIAL ANTHROPOLOGY. B.A. Minnesota, 49; M.A. Cornell, 51, Ph.D., 53. Asst. prof. sociol. & anthropol. CORNELL, 55-60, assoc. prof. ANTHROP, 60-63, PROF., 63-, CHMN. DEPT., 67-, dept. asian studies, 61-66. Nat. Sci. Found. res. grant, 66-68. Ed. Human Orgn., 61-66. U.S.A., 44-46. Fel. Anthropol. Asn; Japanese Sociol. Soc. Social effects of technological change; cross cultural comparative techniques. Publ: Co-auth. Two Japanese village & The Japanese and their descendants in Brazil, 67; Japanese kinship terminology, Ethnology. Address: 107 Northview Rd, Ithaca, N.Y. 14850.

SMITH, PROF. ROBERT LEHMAN, b. Altoona, Pa. Dec. 6, 15; m. 48; c. 2. ECONOMICS. B.A. Pa. State, 38, M.A. 49. Instr. ECON. PA. STATE, ALTOONA, 45-49, asst. prof., 49-53, ASSOC. PROF., 53- U.S.A., 43-46. Economic, social and cultural resources of Blair County, Pennsylvania. Publ: Basic industrial resources of the Altoona, Pennsylvania area, 49 & Basic data: economic, social, governmental of Blair County, Pennsylvania, 62. Bur. Bus. Res. Pa. State Univ. Address: Dept. of Economics, Pennsylvania State University, Altoona, Pa. 16601.

SMITH, DR. ROBERT LONDON, b. Alexandria, La, Oct. 13, 19; m. 49; c. 3. POLITICAL SCIENCE, PHILOSOPHY. B.A. Col. St. Joseph (N.Mex.), 54; M.A. Oklahoma, 55; Ph.D. (int. rels. orgn. & philos), American Univ., 64. Asst. dep. chief staff materiel, Off. Aerospace Res, U.S. Air Force, 60-63, asst. exec. dir. Off. Sci. Res. & proj. adminstr. post-doctoral res. prog. Nat. Acad. Sci., 63-65; ASSOC. PROF. POLIT. SCI. & HEAD DEPT. EVE. CLASSES & CORRESPONDENCE STUDY, ALASKA, 65- Mem. Air Force Hist. Found., 60-; Inst. on U.S. In World Affairs, 63- U.S.A.F., 41-65, Lt. Col. Fel. AAAS; Nat. Inst. Soc. & Behav. Sci; Polit. Sci. Asn. Foreign policy relations of the United States and Russia; regional organizations of Western Europe, and stimulation in international relations; national security. Publ: Co-auth. Squadron administration, Harrisburg Pub., 52; auth. Effects of German re-armament on U.S.-U.S.S.R. political relations, Univ. Oklahoma, 54 & The influence of USAF Chief of Staff Hoyt S. Vandenberg on United States national security policy, American Univ., 64. Address: Dept. of Evening Classes & Correspondence Study, University of Alaska, College, Alaska 99701.

SMITH, PROF. ROBERT S(AMUEL), b. Laconia, N.H., June 16, 20; m. 42; c. 5. AGRICULTURAL ECONOMICS. B.S. Cornell, 42, Hood Found, fel., 49-52, M.S. 50, Ph.D.(agr. econ), 52. Asst. agr. agent, Livingston County, N.Y., 42-44; agr. agent, Lewis County, 44-45; Belknap County, N.H., 47-49; coordinator young adult prog, STATE EXTEN. SERV. CORNELL, 52-54, PROF. FARM FINANCE, 54- Farm mgt. adv. Israeli Ministry Agr., 60-61. Agr. counsr. award, Fed. Land Bank Springfield, 66. U.S.A., 45-47. Agr. Econ. Asn. Farm credit and finance. Address: 441 Warren Hall, Cornell University, Ithaca, N.Y. 14850.

SMITH, PROF. ROBERT S(IDNEY), b. Waterbury, Conn, June 13, 04; m. 32; c. 2. ECONOMICS. A.B. Amherst Col., 27, A.M. 28; Amherst Mem. fel., Spain, 30-32; Ph.D. Duke, 32. Instr. ECON, DUKE, 32-38, asst. prof., 38-45, assoc. prof., 45-48, PROF., 48-, chmn. dept., 64-68. Guggenheim fel., 42; Ford Found. faculty res. fel., 59-60; hon. prof. & vis. prof. Costa Rica, 45; San Carlos, Guatemala, 49; vis. prof. North Carolina, 55-56; hon. consul, Guatemala, 55-63. Spanish and Hispanic economic history; American business history. Publ: The Spanish guild merchant, 40 & Mill on the Dan: a history of Dan River Mills, 60, Duke; Spanish population thought before Malthus. Address: Dept. of Economics, Duke University, Durham, N.C. 27706.

SMITH, DR. R(OBERT) TYNES, III, b. Baltimore, Md, Mar. 13, 09; m. 34; c. 2. STATISTICS. A.B. George Washington, 48, Ph.D.(math. statist), 56. Chief statist. br. traffic control div, off. chief transportation, U.S. War Dept., 40-46; chief waybill sect. Interstate Commerce Cmn., 46-58; asst. dir. commercial res. dept. Traffic Exec. Asn-East. R.R.S., 58-65; CHIEF DEMONSTRATIONS DIV, U.S. DEPT. TRANSPORTATION, 65- U.S.A., 40-46, Res.

47-, Lt. Col. Statist. Asn; Inst. Math. Statist. Sampling; mathematical statistics. Address: 3611 N. Albemarle St, Arlington, Va. 22207.

SMITH, PROF. ROBIN N(ELSON), b. Kamloops, B.C., May 18, 14; m. 42; c. 3. PSYCHOLOGY, EDUCATION. B.A., British Columbia, 37, M.A., 52; Ph.D., Columbia, 57. Teacher, high sch., Can., 38-39, sch. counsr. & teacher, 45-53; lectr. psychol. & teaching method, BRITISH COLUMBIA, 53-54, instr., 54-55, asst. prof., 55-59, assoc. prof., 59-64, PROF. ED. PSYCHOL., 64- Can. Army, 39-45, Res., 45-, Capt. Psychol. Asn. Educational psychology and measurement; educational diagnosis and remediation. Publ: Wipco vocational interest profile. Address: College of Education, University of British Columbia, Vancouver, B.C., Can.

SMITH, PROF. ROCKWELL C(ARTER), b. Holyoke, Mass., Mar. 6, 08; m. 31. RURAL SOCIOLOGY. A.B., DePauw, 28, D.D., 49; S.T.B., Boston, 31; Ph.D., Wisconsin, 42. Asst. sociol., Wisconsin, 37-40; PROF. RURAL SOCIOLOGY, GARRETT THEOL. SEM., 40- Rural Sociol. Asn; Sociol. Asn. Rural church and community; sociology of religion. Publ: The church in our town; Rural church administration; People, land and churches. Address: Dept. of Rural Sociology, Garrett Theological Seminary, Evanston, Ill. 60201.

SMITH, PROF. RONALD E(LWYNN), b. Ogden, Utah, June 12, 19; m. 46. PSYCHOLOGY. B.A. Utah, 48, M.A., 49, Ph.D.(psychol), 54. PROF. PSYCHOL., PORTLAND STATE COL., 54- Consult, Multnomah County Ment. Health Clin. & Vet. Admin. Hosp., 67- U.S.A.F., 42-46, Res., 50- Psychol. Asn. Psychosomatic reactions; counseling; psychotherapy. Address: Dept. of Psychology, Portland State College, Portland, Ore. 97207.

SMITH, PROF. ROY J(AMES), b. Hartford, S.Dak., Oct. 22, 04; m. 36; c. 1. AGRICULTURAL ECONOMICS. B.S. S.Dak. State Col., 33, M.S., 34; Ph.D. (agr. econ), California, 38. From instr. to asst. prof. AGR. ECON., CALIFORNIA, Davis, 36-39, Los Angeles, 39-48, assoc. prof., 48-55, PROF., 55-59, RIVERSIDE, 59- Consult, Ventura County Citrus Growers Cmt., 46-47; Israeli Citrus Mkt. Bd., 54-55; Australian Paper Mfrs. Ltd., 59-60; S.African Coop. Citrus Growers, Inc., 60; Northrop Corp., 61. Econ. Asn; Agr. Econ. Asn; Mkt. Asn. Agricultural labor use organization; wage systems; citrus fruit handling; citrus corrugated paper package; mechanical and hand packaging; sampling; bulk handling; fruit picking methods and its mechanization; carnation packaging. Publ: Fuller annual employment of farm labor, J. Farm Econ; The lemon pro-rate in the long run, J. Polit. Econ; co-auth. Economic factors in packing and marketing lemons in cartons versus standard wooden boxes, Giannini Found. Agr. Econ. Address: Dept. of Horticultural Science, University of California, Riverside, Calif. 92502.

SMITH, DR. S(JUNE), b. New Kensington, Pa, Mar. 6, 06. PSYCHOLOGY. B.S., Temple, 38; M.A., Columbia, 33; Ed.D. Pa. State, 45. Mem. faculty, Millersville State Col., 31-41; SUPVR. SPEC. ED., LANCASTER COUNTY SCHO., 41- Lectr. & coordinator spec. serv. center, Franklin & Marshall Col., 52-53, 54. Coun. Except. Children; Psychol. Asn; fel. Asn. Ment. Deficiency. In-service training of teachers; mental health; child growth and development. Publ: Educators mutual curriculum materials on community health. Address: 944 Olde Hickory Rd, Lancaster, Pa. 17601.

SMITH, PROF. SAMUEL VAN DYKE, b. Clearfield, Pa, Sept. 6, 25; m. 50; c. 4. BUSINESS ADMINISTRATION, MARKETING. B.S., Notre Dame, 48; M.L., Pittsburgh, 49; Ph.D.(bus. admin, mkt), St. Louis, 60. Asst. prof. mkt., Pittsburgh, 49-52; res. agent, Harvard, 52-53; asst. prof. mkt., Washington (St. Louis), 53-60, assoc. prof., 60-63, prof., 63-65; PROF. MKT. & CHMN. DEPT. MKT. & ADVERT., HOUSTON, 65- Cmt. Econ. Develop. res. grant, 60-61; Ford Found. Faculty res. fel., Williams Col., summer 61; Am. Investment Co. res. grant, 61-63; Int. Bus. Mach-Tulane summer res. fel., 64; lectr. Rice, fall 67; Tex. Coord. Bd. Higher Ed. res. grant, 67-68. Chmn. Am. Mkt. Asn. Nat. Conf., 60. U.S.N., 44-47, Lt.(jg). Collegiate Retailing Asn.(pres, 61-62); Mkt. Asn; Acad. Advert.(v-pres, 68). Market research; marketing information systems; organization of large scale business firms; university and college organization. Publ: Executive function of organization, Washington Univ., 61; co-auth. Essentials of marketing management, 66 & co-ed. Marketing information systems, 68, Houghton. Address: University of Houston College of Business, Houston, Tex. 77004.

SMITH, DR. SAMUEL WALLACE, Geog, see 10th ed, Soc. & Behav. Vols.

SMITH, DR. SEWARD, b. Rochester, N.Y., Sept. 9, 30; m. 57; c. 3. EXPERIMENTAL PSYCHOLOGY. A.B. Amherst Col., 53; Ph.D.(psychol), Rochester, 59. Res. assoc. exp. psychol., HumRRO, George Washington, 59-60, res. scientist, 60-63; sr. res. scientist, Boeing Co., Wash., 63-64; RES. PSYCHOLOGIST, NAVAL MED. RES. INST., 64- Instr. eve. div. Monterey Peninsula Col., 60-62. U.S.A., 53-55. Psychol. Asn; Psychonomic Soc. Small groups in confinement; sensory deprivation and social isolation; perceptual and motor skills; laboratory instrumentation; behavioral contagion. Publ: Stimulation seeking throughout seven days of sensory deprivation, Perceptual & Motor Skills, 8/67; Time-shared, perceptual-motor skills during 7 days of isolation, Psychonomic Sci., 67; Studies of small groups in confinement, In: Sensory deprivation: fifteen years of research, Appleton, 68. Address: Behavioral Sciences Department, Naval Medical Research Institute, National Naval Medical Center, Bethesda, Md. 20014.

SMITH, PROF. S(IDNEY) G(ERALD) DENIS, b. Edmonton, Alta., Oct. 3, 32; m. 61; c. 2. POLITICAL SCIENCE. B.A., McGill, 53; B.A., Oxford, 55, Imperial Order Daughters Empire scholar, 55-56, M.A. & B.Litt., 59; Rockefeller Fund fel., Toronto, 58-59. Instr. polit. sci., Toronto, 56-57, lectr., 57-58; York (Ont), 60-61, asst. prof., 61-63; POLIT., TRENT, 63-65, ASSOC. PROF., 65-, CHMN. DEPT., 66-, v-pres, 64-67, York Univ. summer res. grant, 62; Trent Univ. Arts Res. Fund grant, 66. Consult. spec. cmt. procedure & orgn. House Commons, 65. Managing ed. Can. Forum, 62-65; ed. J. Can. Studies, 66- Can. Econ. Asn; Polit. Sci. Asn. Canadian political parties; parliamentary system; modern political thought. Publ: Prairie revolt, federalism and the party system, In: Party politics in Canada, Prentice-Hall, 63, 66; The speakership of the Canadian House of Commons: some proposals, Queen's Printer, 65. Address: Dept. of Politics, Trent University, Peterborough, Ont., Can.

- SMITH, DR. SIDNEY L (AYTON), b. Baltimore, Md, May 17, 28; m. 48; c. 4. PSYCHOLOGY. S.B. Mass. Inst. Tech, 47, S.M. 48, Ph.D. (psychol), 54; Harvard, 50-51. Asst. indust. rels. sect. Mass. Inst. Tech, 48-50, res. analyst, center int. studies, 51-52, res. fel. psychol. sect, 52-54, res. assoc. sch. indust. mgt, 54-55; specialist prinl. personnel, small aircraft eng. dept, Gen. Elec. Co, 53-57; mgr. training, Electro-Mech. Res. Inc, Fla, 57; res. psychologist, Grumman Aircraft Eng. Corp, N.Y, 58; mem. tech. staff, human factors dept, MITRE CORP, BEDFORD, 58-60, HEAD HUMAN FACTORS SUBDEPT, 60- Lectr, grad. sch. eng, Northeastern, 65- Psychol. Asn; Human Factors Soc. Industrial psychology. Address: 455 Newtown Rd, Littleton, Mass. 01460.
- SMITH, DR. SPENCER B, Opers. Res, see 11th ed, Phys. & Biol. Vols.
- SMITH, DR. SPENCER M (ARION) JR, b. Ottumwa, Iowa, Dec. 6, 19; m. 43; c. 2. ECONOMICS, CONSERVATION. B.A. Iowa, 41, fel. & M.A., 42, Ph.D., 48. Asst. prof. statist, Kansas, 47-48; econ, Minnesota, 48-50; regional economist, Off. Price Stabilization, 50-52, div. economist, 52-53; asst. prof. econ, Maryland, 53-54; SECY, CITIZENS CMT. NATURAL RES, 54-; PRES, CONSULT. SERV. INC, 63- Economist & dir. econ. ed. workshop, Minnesota, 48; Small Bus. Admin. grant econ. res, Md. & D.C. Econ. consult, 47-; Civil Serv. Cmn, Minn, 48. Mem. & workshop economist, Coun. Econ. Ed, Md; Del. & participant, Nat. Conf. Air Pollution, 67. U.S.A., 42-45. Econ. Asn. Statist. Asn; Nat. Parks Asn. Effect of economic expansion on small business competition, government controls and changes of the economic structure; conservation of natural resources. Publ: Co-auth, Multiple purposes of forest lands & Natural resources, their protection and development; auth, Oil shale—blessing and burden, 5/67. Address: Consulting Services Inc, Suite 712, Dupont Circle Bldg, 1346 Connecticut Ave, N.W, Washington, D.C. 20036.
- SMITH, PROF. STANLEY HUGH, b. Trinidad, W.I, Oct. 23, 25; nat; m. 50; c. 1. SOCIOLOGY. A.B. Fisk, 49, A.M. 50; Ph.D. (sociol), Washington State, 53. Chmn. dept. sociol, Livingstone Col, 53-56; from assoc. prof. to PROF. SOCIOL. & CHMN. DIV. SOC. SCI, TUSKEGEE INST, 56- Consult, Tuskegee Vet. Admin. Hosp. Sociol. Asn; Soc. Study Social Probs. Minority group relations; social psychology; marriage and the family. Publ: Freedom to work; Sociological implications regarding implementation of integration in public schools, Quart. Rev. Higher Ed. Address: Division of Social Science, Tuskegee Institute, Ala. 36088.
- SMITH, PROF. STANLEY KECK, JR, b. Philadelphia, Pa, Apr. 15, 21; m. 60; c. 3. PSYCHOLOGY. B.A. Pennsylvania, 52; M.A. Temple, 53, Ph.D., 61. Asst. psychol, Temple, 53-54, instr, 54-60, summer dir, psychol. clin, 56-57; DIR. PSYCHOL. SERV. CENTER, ALBRIGHT COL, 60-, assoc. prof. PSYCHOL, 61-65, PROF, 65-, HEAD DEPT, 61- Consult, Berks Heim Hosp, 67- U.S.A.A.F., 43-45. Psychol. Asn. Intelligence; personality; interest; aptitude and achievement testing; vocational, educational and personality guidance. Publ: A factor analytic study of the Rosenzweig picture frustration study as a predictor of academic achievement. Address: Dept. of Psychology, Albright College, Reading, Pa. 19604.
- SMITH, DR. STANLEY W (ALLACE), Biophys, see 11th ed, Phys. & Biol. Vols.
- SMITH, PROF. STEPHEN C (ORY), b. Muncie, Ind, Oct. 21, 21; m. 44; c. 2. AGRICULTURAL ECONOMICS. B.A. DePauw, 43; Ph.D. (agr. econ), Wisconsin, 52. Instr. econ, Willamette, 44-46; from asst. to instr. agr. econ, Wisconsin, 46-50; agr. economist, Tenn. Valley Authority, 50-55; lectr. & as- soc. specialist natural resource & agr. econ, California, Berkeley, 55-62; prof. econ. Colorado State, 62-63, prof. econ, chmn. dept. & dir. natural resources center, 64-67; economist, Off. Secy. Army, 63-64; PROF. AGR. ECON. & ASSOC. DEAN SCH. NATURAL RESOURCES, WISCONSIN, MADISON, 67- Econ. Asn; Agr. Econ. Asn. Natural resources; policy; economic organization. Publ: The Public district in integrating ground and surface water management: a case study in Santa Clara County, Giannini Found; co-ed, Water resources development, economies and policies, Iowa State Univ, 64 & Water research, Johns Hopkins, 66. Address: School of Natural Resources, University of Wisconsin, Madison, Wis. 53706.
- SMITH, DR. TED C, b. Smithfield, Utah, Jan. 25, 21; m. 44; c. 5. SOCIOLOGY, ANTHROPOLOGY. B.A. Utah, 48, M.A., 49, Ph.D., 58. From asst. to PROF. SOCIOL, UTAH, 49-, CHMN. DEPT, 64- Mem. Bountiful City Planning and Recreation Cmns; S. Davis County Welfare Coun. U.S.N.R., 44-46. AAAS; Sociol. Asn; Pop. Asn; Ecol. Soc; Acad. Polit. & Soc. Sci; Soc. Appl. Anthropol. Community structure; strategic decision-making; power and influence in community approaches to problems and their solutions; forces which affect the course of community development; adaptability of community to change; bureaucratic structure and mental hospital administration; social movements and change; mass behavior. Publ: Structuring of power in a suburban community, Pac. Sociol. Rev; Community adaptation to suburban transformation. Address: Dept. of Sociology, University of Utah, Salt Lake City, Utah 84112.
- SMITH, DEAN T (HEODORE) H (AROLD), b. Cleveland, Ohio, Dec. 16, 99. BUSINESS ADMINISTRATION. A.B. Heidelberg Col, 21; M.B.A. Northwestern, 26; Ph.D. Ohio State, 40. Asst. prof. econ, North Dakota, 26-27; br. mgr. dir. mkt. res. & asst. to sales mgr, White Sewing Mach. Co, 27-33; prof. mkt. Penn Col, 35-41; Oklahoma, 41-43; spec. asst. bd. gov, Fed. Reserve Syst, 43-45; assoc. dir. mkt. res, Sverel, Inc, 45-46; prof. bus. admin. & dean sch, Montana, 46-58; dean grad. sch. bus, Air Univ, 58-60; PROF. BUS. ADMIN. & DEAN SCH. BUS. ADMIN. & ECON, CALIF. STATE COL. FULLERTON, 60- Lectr, American Univ, 44-45. Econ. Asn; Mkt. Asn. Marketing of used automobiles; small retailer credit sources. Address: School of Business Administration & Economics, California State College at Fullerton, 800 N. State College Blvd, Fullerton, Calif. 92631.
- SMITH, PROF. THOMAS C, Japanese Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SMITH, DR. THOMAS EWIN, b. Celina, Tenn, Aug. 31, 35; m. 67. SOCIOLOGY. B.A. Alabama, 57; M.A. 61; M.S. Hunter Col, 58; Nat. Inst. Ment. Health fel, Minnesota, 62-64, Ph.D. (sociol), 64. ASST. PROF. SOCIOL, Tex. Tech. Col, 64-66; BALL STATE, 66- Sociol Asn; Nat. Coun. Family Rels. Parent-adolescent relationships; college student dating behavior, and marital adjustment. Publ: The down-graded parent, Proc. Southwest Sociol. Asn, 66. Address: Dept. of Sociology-Anthropology, Ball State University, Muncie, Ind. 47306.
- SMITH, DR. THOMAS H (ARRY) F (RANCIS), Pharmacol, see 11th ed, Phys. & Biol. Vols.
- SMITH, PROF. T (HOMAS) LYNN, b. Sanford, Colo, Nov. 11, 03; m. 28; c. 2. SOCIOLOGY. B.S. Brigham Young, 28; A.M. Minnesota, 29, Ph.D. (sociol), 32; Harvard, 30-31; Soc. Sci. Res. Coun. fel, 29-31; hon. Dr, Brazil, 46, São Paulo, 49. Asst. prof. sociol. & rural sociol, La. State, 31-33, assoc. prof, 34-35, prof. & head dept, 35-47; prof. sociol. & anthropol, head dept. & dir. Inst. Brazilian Studies, Vanderbilt, 47-49; prof. SOCIOL, FLORIDA, 49-59, GRAD. RES. PROF, 59-, head dept, 61-63. Rosenwald Fund fel, 39; sr. agr. analyst, Am. Embassy, Rio de Janeiro, U.S. Dept. State, 42-43, San Salvador, 43, Bogota, 43-45; Guggenheim fel, 51, 54-59. Consult, Brazilian Cmn. Agrarian Policy, U.S. Dept. Agr, 52; human resources res. inst, U.S. Dept. Air Force, 53-55; Inter-Am. Inst. Agr. Sci, 61-63; Int. Labour Off, 64. Order of South. Cross, Brazil, 53; Medal of Merit, Uniao Cultural Brazil-Estados Unidos, 52; medal, Eloy Alfaro Int. Found, 55; Outstanding achievement award, Minnesota, 60. Sociol. Asn; Rural Sociol. Asn. (secy-treas, 36-40, pres, 41); Sociol. Res. Asn; Pop. Asn. Am. (v-pres, 65); Latin Am. Studies Asn; Colombian Acad. Jurisp; Int. Union Sci. Study Pop. Rural-urban sociology; population; Latin American cultures and institutions. Publ: Brazil, people and institutions; Fundamentals of population study; Colombia: social structure and the process of development, Univ. Florida, 67. Address: Dept. of Sociology, University of Florida, Gainesville, Fla. 32601.
- SMITH, PROF. THOMAS R (USSELL), b. Philadelphia, Pa, Dec. 15, 10; m. 37; c. 2. ECONOMIC GEOGRAPHY. A.B. Swarthmore Col, 33; Ph.D. (econ. geog), Columbia, 43. Lectr. econ. geog, Columbia, 37-42; chief Far East desk map intel. sect, map div, U.S. Dept. State, D.C. 45-46; vis. lectr. GEOG, Harvard, 46-47; assoc. prof, KANSAS, 47-55, PROF, 55-, CHMN. DEPT, 67-, dir. Center East Asian Studies, 62-67. Vis. prof, Netherlands Sch. Econ, 55-56. With Off. Strategic Serv; U.S.A., 44-45. Asn. Am. Geog. (ed, monographs). Geography of industrial location and of Far East; historical cartography. Publ: Industrial and commercial geography. Address: Dept. of Geography, University of Kansas, Lawrence, Kans. 66044.
- SMITH, T (ONAS) ARTHUR, b. Washington, D.C., Apr. 15, 23; m. 49; c. 3. INTERNATIONAL RELATIONS, ECONOMIC DEVELOPMENT. A.B. George Washington, 49, A.M. 62; dipl, U.S. Army War Col, 59. Officer, Cent. Intel. Agency, 49-55, sr. officer, 55-57, 58-61, chief long range plans, 57-58; sr. scientist, Tech. Opers, Inc, D.C. 61-65; proj. scientist, Booz-Allen Anal. Res. Inc, 65; chief cost res, U.S. DEPT. ARMY, 65-66, DIR. COST ANAL, 67- Prof. lectr, American Univ. & lectr, Civil Serv. Cmn, 67- Mem. cost res. cmt, U.S. Dept. Defense, 65- U.S.A., 45-47, Res, 47-, Capt. Econ. Asn; Polit. Sci. Asn; Hist. Sci. Soc. Government and politics of Latin America and Asia; international trade; systems analysis and public administration. Publ: The utilization of military resources, Govt. Printing Off, 67; co-auth, The impact of communication satellites on less developed areas, In: Science, technology and development, U.S. Dept. State, Vol. XII, 63; auth, Port security, Indust. Security, 4/65. Address: 9823 Vale Rd, Vienna, Va. 22180.
- SMITH, TYNAN, b. Portland, Ore, Apr. 8, 14; m. 44; c. 2. ECONOMICS. B.A. Reed Col, 37; fel, Colo. Col, 37-38, M.A. 38; univ. & Field fels, Chicago, 38-39. Economist, Fed. Deposit Inst. Corp, 40-42, 44-48; U.S. Dept. Commerce, 42-44, 49-50; Fed. Reserve Bd, 50-66, ASSOC. ADV. DIV. RES. & STATIST, BD. GOV, FED. RESERVE SYST, 66- Econ. Asn; Statist. Asn. Consumer credit banking; banking structure. Publ: Financial position of consumers, Fed. Reserve Bull; co-auth, Bank capital, the problem restated, J. Polit. Econ. & Structural limitations on bank competition, Law & Contemporary Probs, winter 67. Address: Division of Research & Statistics, Board of Governors, Federal Reserve System, Washington, D.C. 20551.
- SMITH, DR. VALENE L (UCY), Anthropol, Geog, see 11th ed, Phys. & Biol. Vols.
- SMITH, PROF. VEON G (EORGE), b. Malad City, Idaho, Dec. 7, 15; m. 39; c. 6. SOCIAL SCIENCE. A.B. Brigham Young, 41; Utah, 43; M.S. Western Reserve, 48. Chief soc. worker, Vet. Admin. Reno, Nev, 46-49; ASSOC. PROF. SOC. WORK & DIR. MARRIAGE & FAMILY COUNSELING BUR, UTAH, 49- U.S.A., 43-46. Asn. Marriage Counsr. Psychopathic personality. Publ: Co-auth, Marriage counseling with one marital partner: rationale and clinical implications, Soc. Casework, 6/67. Address: Graduate School of Social Work, University of Utah, Salt Lake City, Utah 84112.
- SMITH, PROF. VERNON L (OMAX), b. Wichita, Kans, Jan. 1, 27; m. 50; c. 3. ECONOMICS. B.S.E.E. Calif. Inst. Tech, 49; M.A. Kansas, 52; Ph.D. (econ), Harvard, 55. Instr. econ, Kansas, 51-52; economist, econ. res. proj, Harvard, 54-55; mem. mgt. sci. res. group, Purdue, 55-56, asst. prof. ECON, 55-58, assoc. prof, 58-61, prof, 61-67; PROF. BROWN, 67- Ford Found. faculty res. fel, 58-59; vis. prof, Stanford, 61-62; Nat. Sci. Found. res. grants, 62-66; vis. prof, Massachusetts, 68-69. Res. consult, Rand Corp, 57-59. Contrib. ed, Bus. Scope, 57- Econ. Asn; Economet. Soc. Economic theory. Publ: Investment and production, Harvard Univ, 8/61; The measurement of capital, In: Measuring the nation's wealth, submt. econ. statist, joint econ. cmt, U.S. Cong, 12/64, Nat. Bur. Econ. Res, 65; Experimental studies of discrimination versus competition in sealed bid auction markets, J. Bus, Vol. 40: 1, 1/67. Address: Dept. of Economics, Brown University, Providence, R.I. 02912.
- SMITH, PROF. VICTOR E (ARLE), b. Lansing, Mich, Apr. 9, 14; m. 40; c. 2. ECONOMICS. A.B. Mich. State Col, 35, A.M. 36; Ph.D. (econ), Northwestern, 40. Instr. econ. & statist, Northwestern, 40-42; asst. prof, Yale, 42-44; Wellesley Col, 44-47; ECON, Brown, 47-48; assoc. prof, MICH. STATE, 48-53, PROF, 53-, subproj. dir, consortium study Nigerian rural develop, 66-68. Fund Adv. Ed. faculty fel, 54-55; Ford Found. faculty res. fel, 58-

59. Consult, U.S. Dept. Treas, 51-53; Arthur D. Little, Inc, 65-66. Econ. Asn; Statist. Asn; Economet. Soc; Inst. Mgt. Sci. Classical demand theories; continuous and discontinuous factor substitution; linear programming analysis of human diets; least cost diets of Colombian working-class families; nutritional needs and efficient resource utilization in Nigeria. Publ: The statistical production function, Quart. J. Econ; The classicists use of demand, J. Polit. Econ; Electronic computation of human diets, Bur. Bus. & Econ. Res, Mich. State Univ, 64. Address: Dept. of Economics, Michigan State University, East Lansing, Mich. 48823.

SMITH, PROF. VIRGINIA, Psychol, see EHALT, PROF. VIRGINIA SMITH.

SMITH, DR. W. JOHN, Biol, Animal Behavior, see 11th ed, Phys. & Biol. Vols.

SMITH, DR. WALLACE F(RANCIS), b. Hartford, Conn, July 21, 26; m. 54. URBAN ECONOMICS. A.B. Yale, 47; M.A. Connecticut, 54; Ph.D. Washington (Seattle), 58. Instr. econ. Ore. State Col, 57-59; vis. asst. prof. real estate, CALIFORNIA, BERKELEY, 59-61, lectr, 61-65, asst. res. economist, 59-65, ASSOC. PROF. BUS. ADMIN, 65- Consult, Oakland Redevelop. Agency, 61; San Francisco Coun. of Churches, 64-66. U.S.A., 50-52, Res, 52-56. Econ. Asn. Economic theory of optimum use of housing stock in relation to private market performance and public policies. Publ: The income level of new housing demand, In: Essays in urban land economics, California, Los Angeles, 66; The low-rise speculative apartment & Filtering and neighborhood change, Monogr, 64. Address: School of Business Administration, University of California, Berkeley, Calif. 94720.

SMITH, DR. W(ALLACE) LYNN, Psychol, see 10th ed, Soc. & Behav. Vols.

SMITH, PRES. WALTER ALVAH SAMUEL, b. Thomas, Okla, Aug. 4, 29; m. 51; c. 3. PSYCHOLOGY. B.A. Redlands, 52; M.A. Pennsylvania, 54, Ph.D.(psychol), 56. Asst. prof. psychol, Nevada, 56-59; vis. asst. prof. California, Riverside, 59-60; assoc. prof. Redlands, 60-63; Alberta, 63-66, prof, 66-67; PRES. LETHBRIDGE, 67- U.S.A.F, 48-49, 50-51, S/Sgt. AAAS; Psychol. Asn; Asn. Instr. Res; Interam. Soc. Psychol; Can. Psychol. Asn. Decisions theory; history of psychology; organizational psychology; psychology of leadership, administration and sports. Publ: Co-auth, Tests of two theories of decision in an expanded judgment situation, J. Exp. Psychol, 56, A comparison of training methods, type of problem and apparatus in acquisition and extinction, 66 & The development of an inventory to measure ways of knowing, Psychol. Reports. Address: University of Lethbridge, Lethbridge, Alta, Can.

SMITH, PROF. WALTER B(UCKINGHAM), b. Galion, Ohio, Sept. 22, 95. ECONOMICS. A.B. Oberlin Col, 17; Chicago, 19-21; A.M. Harvard, 24. Ph.D. 28. From instr. to asst. prof. econ, Wellesley Col, 24-29; Sage prof, Williams Col, 29-50; James G. Boswell prof. AM. ECON. INSTS, CLAREMONT MEN'S COL, 50-67, JAMES G. BOSWELL EMER. PROF, 67- Vis. assoc. prof. California, 31-32. Economic history. Publ: Fluctuations in American business; Economic aspects of the second bank of the United States. Address: Dept. of Political Economy, Claremont Men's College, Claremont, Calif. 91717.

SMITH, DEAN WALTER DOUGLAS, b. Harriman, Tenn, Nov. 18, 18; m. 47; c. 2. PSYCHOLOGY. B.A. Lincoln Mem. Univ, 43; M.A. Michigan, 47, Ph.D. 50. Asst. prof. psychol, Fla. State, 50-55, assoc. prof, 55-58, prof, 58-59; PROF. PSYCHOL. & DEAN FACULTY, WINTHROP COL, 59-. V.PRES, 66- U.S.N, 43-46, Lt.(jg). Psychol. Asn. Developmental psychology. Address: Dept. of Psychology, Winthrop College, Rock Hill, S.C. 29730.

SMITH, WALTER J(OSEPH), b. New York, N.Y., July 11, 13. PSYCHOLOGY. M.A. Fordham, 45; fel, Loyola (Ill), 47-49, Ph.D. 52. Instr. psychol, Loyola (Ill), 49-52; asst. prof, Detroit, 52-55; Catholic Univ, 56-66; CHIEF CHAPLAINCY RES. PROG, VET. ADMIN, 66- Consult, Vet. Admin, 59-66. AAAS; Psychol. Asn; Soc. Sci. Study Relig; Acad. Relig. & Ment. Health; N.Y. Acad. Sci. Experimental social psychology; psychology of religion; professional problems of psychologists; personality theory; decision making. Address: Chaplaincy Research Program, 151-K, Veterans Administration Hospital, Washington, D.C. 20422.

SMITH, DR. WALTER O(TIS), b. Crestview, Tenn, Sept. 27, 17; m. 54; c. 2. CLINICAL & EDUCATIONAL PSYCHOLOGY. B.A. Ariz. State Col, 51, M.A. 55; fel, Merrill-Palmer Sch, 54-55; Ph.D. Mich. State, 59. Asst. psychol, Ariz. State Col, 50-51; trainee clin. psychol, Vet. Admin. Hosp, Ft. Custer, Mich, 55-56, 57-58; asst. psychol, Mich. State, 56-57; clin. psychologist, Vet. Admin. Hosp, Waco, Tex, 59; PSYCHOLOGIST, PHOENIX UNION HIGH SCHO. & COL. SYST, 59- Psychometrist, Lansing Sch. Syst, Mich, 56-57; spec. instr, Arizona State, 60, 62. Sig.C, 41-46, 51-52, 1st Lt. Psychol. Asn. Choosing appropriate methods of re-education from study of habitual modes of adaption associated with various personality disorders. Publ: Rotary pursuit performance in reactive and process schizophrenics. Address: 1940 E. Luke Ave, Phoenix, Ariz. 85016.

SMITH, PROF. WARREN L(OUNSBURY), b. Watertown, N.Y., Mar. 23, 14; m. 43; c. 3. ECONOMICS. B.A. Michigan, 47, M.A. 49, Ph.D. 52. Asst. prof. ECON, Virginia, 53-56; assoc. prof, Ohio State, 56-57; MICHIGAN, 57-59, PROF, 59-, chmn. dept, 63-67. Vis. lectr, Harvard, 58-59. Consult, Fed. Reserve Bank Richmond, Va, 54-56; joint econ. cmt, U.S. Cong, 59-60; Cmn. Money & Credit, 60; U.S. Dept. Treas, 61; Coun. Econ. Adv, 61-, sr. staff mem, 62-63. U.S.A.A.F, 42-45, Sgt. Econ. Asn; Finance Asn; Economet. Soc. Use of monetary and fiscal policy to achieve national objectives of economic growth and stability. Publ: On the effectiveness of monetary policy, Am. Econ. Rev; Monetary fiscal policy and economic growth, Quart. J. Econ; Debt management in the United States. Address: Dept. of Economics, University of Michigan, Ann Arbor, Mich. 48104.

SMITH, DR. WATSON, b. Cincinnati, Ohio, Aug. 21, 97; m. 43; c. 1. ANTHROPOLOGY. Ph.B. Brown, 19, hon. LL.D. 64; LL.B. Harvard, 24; California, Berkeley, 34-35. CURATOR SOUTHWEST. ARCHAEOLOGICAL, PEABODY MUS, 46-, field dir, Upper Gila Exped, 49, 51. Field dir, Wupatki Exped, Mus. North. Ariz, 48, res. assoc, 48-, trustee, 54; res. assoc. Univ. Arizona, 52- Trustee, Brown, 50-64, fel, 64; trustee, Sch. Am. Res, Santa

Fe, 54-60; Ariz-Sonora Desert Mus, 62- U.S.A., 18; U.S.A.A.F, 42-45, Maj. Anthropol. Asn; Soc. Am. Archaeol; Ethmol. Soc. Archaeology and ethnology of American southwest; primitive law. Publ: Kiva mural decoration of Awatovi; co-auth, Zuni law, Peabody Mus. Papers & Excavation of Hawikuh, Contributions Mus. Am. Indian. Address: 5045 E. Grant Rd, Tucson, Ariz. 85716.

SMITH, WELLINGTON E(ARL), b. Longview, Wash, Dec. 1, 26; m. 51. PSYCHOLOGY. B.S. Oregon, 51, M.S. 52. Staff psychologist, command control center, INT. BUS. MACH. CORP, 56-60, develop. engr. & mgr. human factors dept, 60-61, ADV. ENGR, gen. prod. div, 61-65, SYSTS. DEVELOP. DIV, 66- U.S.N, 44-46. AAAS; Human Factors Soc. Measurement of man-computer communications for semi-automatic monitoring and control; human performance aspects of computer maintenance. Publ: Random walk monitoring technique; co-auth, Improving radar trail detection in clutter; auth, A model for a series processing system, Human Factors, 2/67. Address: Dept. 491, Systems Development Division, International Business Machines Corp, Monterey & Cottle Rd, San Jose, Calif. 95114.

SMITH, PROF. WENDELL I(RVING), b. Mass, May 7, 21; m. 47; c. 1. PSYCHOLOGY. A.B. Bucknell, 46, M.A. 48; Ph.D.(psychol), Pa. State, 51. PROF. PSYCHOL, BUCKNELL, 46-, CHMN. DEPT, 58- Am. Nurses Found. fel, 56, fel. animal behav, Pa. State, 57. U.S.N, 42-45. Psychol. Asn. Animal and human learning and motivation; comparative psychology. Publ: The industrial nurse; co-auth, Conditioning and instrumental learning, 66 & Guide to psychology, 67, McGraw. Address: Dept. of Psychology, Bucknell University, Lewisburg, Pa. 17837.

SMITH, DEAN WENDELL R(OSS), b. Shenandoah, Iowa, Mar. 4, 11; m. 35; c. 3. ECONOMICS, MARKETING. B.S.C. Iowa, 32, M.A. 35, Ph.D.(econ, mkt), 41. Asst. mkt. Iowa, 34-35, instr, 35-41, asst. prof, 41-45, assoc. prof, 45-47, prof, 47-54, head dept, 49-54; partner, Alderson & Sessions, 54-58, v.pres, Alderson Assocs, Inc, 58-59; staff v.pres. mkt. develop, Radio Corp. Am, 59-62; pres, Mkt. Sci. Inst, 62-68; PROF. MKT. & DEAN SCH. BUS. ADMIN, MASSACHUSETTS, 68- Prof, Wharton Sch, Pennsylvania, 62-68. Chmn. nat. mkt. adv. cmt, U.S. Dept. Commerce, 67- With off. Price Admin, 42-43. Mkt. Asn.(pres, 58-59). Marketing theory; channels of distribution; trade area theory. Publ: Public utility economics; Applied economic analysis. Address: School of Business Administration, University of Massachusetts, Amherst, Mass. 01002.

SMITH, LT. COL. WESLEY C, U.S.A., b. Boston, Mass, Dec. 22, 18; m. 46; c. 2. GEOGRAPHY, SOCIAL SCIENCE. B.S. Pa. Mil. Col, 43, hon. B.M.S., 47; M.A. Columbia, 60. CORPS ENGRS, U.S. ARMY, 42-, instr. mar. reading, Army Engr. Sch, 43-45, surv. & drafting, U.S. Mil. Acad. 45-47, asst. prof. surv. & drafting & asst. coach, Pa. Mil. Col, 47-52, asst. prof. surv, U.S. MIL. ACAD, 52-56, ASSOC. PROF, 56-60, GEOG. & AS-TRON, 60- Consult, Grolier Ed. Corp, 63-65. Asn. Am. Geog. Publ: Co-auth, Geography as a professional field, U.S. Off. Ed, 66. Address: Dept. of Earth, Space & Graphic Science, U.S. Military Academy, West Point, N.Y. 10996.

SMITH, DR. WESLEY GEORGE, b. Brandon, Man, July 8, 30; m. 53. AGRICULTURAL ECONOMICS, ECONOMICS. B.S.A. Manitoba, 51; M.S. Minnesota, 53; Ph.D.(agr. econ, statist), Iowa State 58. Economist, Can. Dept. Agr, 52-55; asst. & res. assoc. prod. econ, Iowa State, 55-58; asst. prof. farm mgt, Delaware, 58-59; AGR. ECONOMIST, TENN. VALLEY AUTHORITY, 59-, summers, consult, Govt. Korea, 63, U.S. Agency Int. Develop, 65. Am. Agr. Econ. Asn; Can. Agr. Econ. Soc. Economic development; economics of fertilizer use in crop and food production; land use; labor mobility. Publ: Co-auth, An inventory of land and its use, 4/66 & auth, A comparative study of the Tennessee Valley with special reference to agriculture, 7/66, Tenn. Valley Authority; co-auth, The potential uses of mineral resources in food production in North America, Iowa State Univ, 10/67. Address: Tennessee Valley Authority, F-112A NFDC, Muscle Shoals, Ala. 35660.

SMITH, DR. WHITNEY, JR. b. Arlington, Mass, Feb. 26, 40; m. 62; c. 2. POLITICAL SCIENCE, VEXILLOLOGY. B.A. Harvard, 61; A.M. Boston, 62, Ph.D.(polit. sci), 68. DIR, FLAG RES. CENTER, 62- Instr, Boston, 64-68; creator, nat. flag of Guyana, 66. Res. consult, World Book Encyclop, 62-; Encyclop. Americana, 65- Mem. bd. dir, Hill Pub. Co, 66- N.A.M. Vexillological Asn.(pres, 67-); Int. Fedn. Vexillological Asn.(secy-gen, 67-) Vexillology, heraldry and sphragistics, especially their functions in political systems. Publ: Co-auth, Flags of the United Nations, UN Off. Info, 61; auth, Bibliography of flags of foreign nations, Hall, 65; Flag book of the United States, Morrow, 69. Address: Flag Research Center, 17 Farmcrest Ave, Lexington, Mass. 02173.

SMITH, PROF. WILEY, b. Milan, Tenn, Sept. 26, 97; m. 22; c. 2. PSYCHOLOGY. A.B. Union (Tenn), 24; M.A. Peabody Col, 28, Ph.D.(psychol), 31. Adj. prof. PSYCHOL, South Carolina, 31-33; Asheville Norm. & Teachers Col, N.C, 35-36; prof. & head dept, APPALACHIAN STATE, 36-65, EMER. PROF, 65- AAAS; Psychol. Asn. Personality; projective techniques. Publ: Relative quickness of visual and auditory perception, J. Exp. Psychol; Direction orientation in children, J. Genetic Psychol; co-auth, Range and modifiability of consonance in certain musical intervals, Am. J. Psychol. Address: Dept. of Psychology, Appalachian State University, Boone, N.C. 28608.

SMITH, PROF. WILFORD EMERY, b. Salt Lake City, Utah, May 16, 16; m. 40; c. 5. SOCIOLOGY. B.A. Utah, 43; fel, Brigham Young, 47-48, M.A. 48; fel, Washington (Seattle), 50-51, Ph.D. 52. Instr. SOCIOLOGICAL, BRIGHAM YOUNG, 48-50, asst. prof, 50-52, assoc. prof, 52-60, PROF, 60- Fel, inst. on freedom & competitive enterprise, Claremont Colls, 53. U.S.A., 44-46, Res, 46-, Lt. Col. Sociol. Asn. Educational and religious aspects of morality; criminology; sociology of education; urban sociology. Publ: Co-auth, Introductory sociology; auth, The urban threat to Mormon norms, Rural Society. Address: Dept. of Sociology, Brigham Young University, Provo, Utah 84601.

SMITH, PROF. W(ILFRED) NYE, JR, b. Syracuse, N.Y., Nov. 8, 21; m. 44; c. 2. MANAGEMENT SCIENCE. B.M.E. Clarkson Tech, 43; M.B.A. Syra-

- cuse, 51; D.B.A. Indiana, 58. Instr. bus. admin, CLARKSON TECH, 46-51, asst. prof. 51-58, assoc. prof. INDUST. MGT, 58-64, PROF, 64- U.S.A., 43-46, Sgt. Acad. Mgt. Business simulation as a teaching tool to prepare students for participative management, especially small group organization and decision making. Publ: Co-auth, Integrated simulation, South-Western Pub. Address: Dept. of Industrial Management, Clarkson College of Technology, Potsdam, N.Y. 13676.
- SMITH, DR. WILLARD E, b. Hastings, Nebr, May 4, 28; m. 52; c. 3. POLITICAL SCIENCE. B.A. Nebraska, 51, Johnson fel. & M.A., 62, Ph.D.(polit. sci), 65. Investigating agent, Nebr. State Liquor Control Cmn, 50-51; reporter, Lincoln Evening Jour, 51-52; civilian transl, counterintel. corp, U.S. Army, 52-55; asst. prof. POLIT. SCI, Stephen F. Austin State Col, 63-64; Mankato State Col, 65-66; WIS. STATE, OSHKOSH, 66-68, ASSOC. PROF, 68- Prof, Omaha, summer 66; Wis. Bd. Regents res. grant, 67-68. U.S.A., 55-57. Polit. Sci. Asn. Comparative politics; West German civil-military relations. Publ: Political education in the West German Bundeswehr, Univ. Microfilms, 65. Address: Dept. of Political Science, Wisconsin State University, Oshkosh, Wis. 54901.
- SMITH, PROF. WILLARD H (ARVEY), Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SMITH, PROF. WILLIAM A, Soc. Sci, see 10th ed, Soc. & Behav. Vols.
- SMITH, DR. WILLIAM ADAMS, JR, Indust. Eng, see Suppl. V to 11th ed, Phys. & Biol. Vols.
- SMITH, DR. WILLIAM C, b. Monroe, La, Feb. 27, 32; m. 55; c. 4. ANTHROPOLOGY. A.B. California, Berkeley, 59, Nat. Inst. Ment. Health fel, 61-63, Ph.D.(anthrop), 65. Asst. prof. ANTHROP, California, Davis, 63-67; Soc. Sci. Res. Coun. fel, California, Los Angeles, 67-68; ASSOC. PROF, CENT. WASH. STATE COL, 68- U.S.N., 52-53. Fel. Anthropol. Asn; Soc. Am. Archaeol; Ethnol. Soc. North American archaeology and ethnology; deductive and quantitative methods of analysis. Address: Dept. of Anthropology, Central Washington State College, Ellensburg, Wash. 98926.
- SMITH, DR. WILLIAM C (ARLSON), Sociol, see 10th ed, Soc. & Behav. Vols.
- SMITH, DR. WILLIAM F, b. Boston, Mass, Mar. 10, 24; m. 48; c. 3. PSYCHOLOGY. A.B. Northeastern, 51; M.S. Massachusetts, 52; Ph.D. Mich. State, 56. Asst. psychol. sch. pub. health, Harvard, 52, res. asst, 53; intern, Childrens Center, Metrop. Detroit, 53-54; trainee, Dearborn Vet. Admin. Hosp, 55-56; instr, Mich. State, 56-57; psychologist, Dayton Child Guid. Center, 57-58; PROF. PSYCHOL, Fla. Agr. & Mech, 59-61; Gibbs Jr. Col, 62-65; ST. PETERSBURG JR. COL, CLEARWATER CAMPUS, 65-, ASST. DIR. INSTNL. RES, 67- Consult, Volunteers in Serv. to Am. St. Petersburg, 64; consult. psychologist, Head Start Prog, Pinellas County, 67. U.S.A., 43-46. AAAS; Psychol. Asn. Perception; learning; personality; clinical psychology; educational research. Publ: Test performance as a function of anxiety: instructions and instructors; contrib, The psychologist and voluntary health insurance, Am. Psychol. Asn, 66. Address: Dept. of Psychology, St. Petersburg Junior College, Clearwater, Fla. 33515.
- SMITH, PROF. WILLIAM M, b. Zanesville, Ohio, July 15, 21; m. 50; c. 1. PSYCHOLOGY. A.B. Miami (Ohio), 43; M.A. Princeton, 48, Ph.D., 50; hon. M.A. Dartmouth Col, 62. Instr. PSYCHOL, Princeton, 50-52, asst. prof, 53-58; assoc. prof, DARTMOUTH COL, 58-62, PROF, 62-, CHMN. DEPT, 61-, CHMN. DIV. SOC. SCI, 65-, assoc. dean faculty arts & sci, 65-67. Fulbright res. scholar, Belgium, 53-54; Nat. Sci. Found. sr. fel, 64-65. AAAS; Psychol. Asn; Psychonomic Soc. Perception; visual-motor behavior; vision and eye motion; feedback mechanisms in behavior organization. Publ: Co-auth, Behavior of man, Holt, 58; Perception and motion, Saunders, 62. Address: 5 Parkway, Hanover, N.H. 03755.
- SMITH, DR. WILLIAM M (ARION), b. Pasadena, Calif, May 9, 27; m. 52; c. 2. PSYCHOLOGY. B.A. California, Los Angeles, 53; M.S. George Washington, 57, Ph.D.(psychol), 64. ASST. prog. officer, cmt. int. geophys. year, Nat. Acad. Sci, 55-56, sci. personnel officer, antarctic prog, 56-58; res. psychologist, George Washington, 59-62; Calif. Dept. Ment. Hyg, 62-64; SOC. PSYCHOLOGIST, DIV. NEUROPSYCHIAT, WALTER REED ARMY INST. RES, WALTER REED ARMY MED. CENTER, 64- Nat. Sci. Found. grants, 58-62. Antarctic serv. medal, 66. U.S.A.A.F., 45-47. AAAS; Psychol. Asn. Ecology of small groups; cross cultural factors in mental illness; visual perception. Address: Walter Reed Army Institute of Research, Walter Reed Army Medical Center, Washington, D.C. 20012.
- SMITH, PROF. WILLIAM M (ARTIN), JR, b. Flint, Mich, Nov. 24, 11; m. 38; c. 4. SOCIOLOGY. B.S. Ohio State, 34; M.S. Cornell, 37; Ph.D.(sociol), 42. Asst. rural sociol, exten, Ohio State, 34-35; exten, Cornell, 35-37, instr, 37-43; asst. prof. rural youth, exten, Illinois, 45-46; vis. prof. rural sociol, Arkansas, 46-47; assoc. prof. FAMILY REL, PA. STATE, 47-51, PROF, 51-, AGR. EXTEN, 59- Grant Found. fel, Merrill-Palmer Inst, 54-55; Fulbright prof, Wageningen, 64-65. Summer consult, Univ. Arkansas, 49-51 & Columbia, 52; consult, Ariz. State Col, 54. Ed. Family Coordinator, 67- Mem. Governor's Cmt. Children & Youth, Pa, 64- Fel. Sociol. Asn; Asn. Marriage Couns; Adult Ed. Asn; Rural Sociol. Soc; Nat. Coun. Family Rels.(pres, 66-67). Family relationships and roles; family life education; patterns of dating and courtship. Publ: Co-auth, Dating, mating & marriage; Can we meet the needs of tomorrow's family?, What's New in Home Econ, 9/67; Family relationships: communicating a concept, Marriage & Family, 2/68. Address: 428 E. Hamilton Ave, State College, Pa. 16801.
- SMITH, DR. WILLIAM N (ATHANIEL), Ed. Psychol, see 10th ed, Soc. & Behav. Vols.
- SMITH, DR. WILLIAM REED, b. Salt Lake City, Utah, Apr. 1, 25; m. 56; c. 5. INDUSTRIAL PSYCHOLOGY. B.S. Utah, 49; M.S. 50, Ph.D. 60. Res. psychologist, State Dept. Employ. Security, Utah, 49-51; Univ. Utah, 54-60; Air Force Cambridge Res. Lab, 60-62; assoc. prof, Northeastern, 62-63; dir. mgt. develop, Xerox Corp, N.Y. 63-87; MEM. FACULTY PSYCHOL,
- TEXAS A&M, 67- Consult, Asst. Secy. Labor & sr. adv, Center Int. Mgt. Studies, 64- U.S.N., 43-46, Res, 46-68, Comdr. Psychol. Asn; Acoustical Soc. Aptitude test construction; psychoacoustics; automated medical diagnosis; creativity research; human factors; international management methods. Publ: Empathy and writing ability, perceptual and motor skill; co-auth, Identification of communication abilities; auth, Factors in organization effectiveness, Orgn. J. Warsaw, Poland, 66. Address: 1822 Shadow Wood Dr, College Station, Tex. 77843.
- SMITH, WILLIAM S (PENCER), b. Collins, Ga, June 14, 06; m. 35; c. 2. BUSINESS ADMINISTRATION. B.C.S. Ga. Inst. Tech, 32; M.B.A. Georgia, 48. Head dept. commerce, S.Ga. Col, 36-39; prof, eve. col, Atlanta, 39-47; pres, S.Ga. COL, 47-64, EMER. PRES, 64- Proj. dir, Nat. Youth Admin, 39-43; regional chief manpower utilization, War Manpower Cmn, 43-45; pres, Venetian Blinds, Inc, Ga, 45-47. Regent, Am. Found. Greece, 55- Acad. Polit. & Soc. Sci. Personnel policies of youth. Address: South Georgia College, Douglas, Ga. 31533.
- SMITH, PROF. WILLIAM STEPHEN, Speech, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- SMITH, MAJ. WILLIAM Y (OUNG), Econ, Govt, see 10th ed, Soc. & Behav. Vols. Latest known address: 601 COS GP, APO New York.
- SMITH, DR. WILSON, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SMITH, WRAY, Appl. Math, see 11th ed, Phys. & Biol. Vols.
- SMITHBURG, PROF. DONALD WINSTON, b. Seattle, Wash, May 9, 16; m. 42; c. 1. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B. Washington (Seattle), 37; Soc. Sci. Res. Coun. fel, 45-46; Ph.D.(soc. sci), Harvard, 51. Commun. analyst, Off. War Info, 42-43; procedure analyst, Off. Price Admin, 43-45; instr. polit. sci, Ill. Inst. Tech, 46-47, asst. prof, 47-51, assoc. prof, 51-60, PROF, 60-67, ADMIN. SCI, ALABAMA, HUNTSVILLE, 67- Mem. grad. coun, Ed. in Pub. Admin, 65- Polit. Sci. Asn; Soc. Pub. Admin. Organization theory; political sociology. Publ: Co-auth, Public administration. Address: Dept. of Political Science, University of Alabama, Huntsville, Ala. 35807.
- SMOCK, PROF. CHARLES D, b. Darke Co, Ohio, Oct. 7, 24; m. 46; c. 2. PSYCHOLOGY. B.S. Ball State, 48; fel, Syracuse, 52-53, Ph.D.(psychol), 53. Asst. prof. personality develop, Iowa, 53-56, res. dir. Child Study Center, 56-57; assoc. psychopharmacol, Univ. Pa. Hosp, 57-58; assoc. prof, child psychol, Purdue, 58-62, prof. develop. psychol. & dir. child clin. training, 62-67; PROF. DEVELOP. CHILD PSYCHOL, GEORGIA, 67- Nat. Sci. Found. sr. scientist, Geneva, Switz, 63-64. Consult, Nat. Analysts, Inc, 57-58; gov. adv. coun. & adv. bd, child div, State Dept. Ment. Health, Ind, 59-67. U.S.A.A.F. Lt. AAAS; Psychol. Asn; Soc. Res. Child Develop. Cognitive and perceptual development, theory and history of child development, effects of early experience on later phases of development. Address: Dept. of Psychology, University of Georgia, Athens, Ga. 30621.
- SMODE, DR. ALFRED F, b. Germany, May 21, 25; nat; m. 46; c. 1. INDUSTRIAL & EXPERIMENTAL PSYCHOLOGY. Ph.B. Detroit, 50, fel, 50-52, M.A., 52; Ph.D.(psychol), Ohio State, 57. Asst. Willow Run Labs, Michigan, 52-53, res. assoc, 54; assoc, Roger Bellows & Assocs, 53-54; res. assoc, lab. aviation psychol, Ohio State, 54-57; sr. psychologist, Dunlap & Assocs, Inc, 57-64; dir. training res. div, BioTech, Inc, Va, 64-66; CHIEF SCIENTIST, DUNLAP & ASSOCS, INC, 66- Lectr, Bridgeport, 59-61; N.Y. Univ, 61-63; adj. assoc. prof, City Col. New York, 63-64. U.S.A.F., 43-46, Res, 46-, Maj. Psychol. Asn. Human engineering, especially military and industrial engineering; analysis of complex systems; learning-training programs. Address: Dunlap & Associates, Inc, 1 Parkland Dr, Darien, Conn. 06820.
- SMOKE, PROF. KENNETH L (UDWIG), b. Lorain, Ohio, Nov. 1, 03; m. 43; c. 1. PSYCHOLOGY. A.B. Ohio State, 24, scholar, 24-25, A.M., 25, fel, 30-31, Ph.D.(psychol), 31; fel, Northwestern, 25-26; Sage scholar, Cornell, 29-30. PROF. PSYCHOL, Mary Baldwin Col, 31-38; Juniata Col, 38-46; GETTYSBURG COL, 46- Fel. Psychol. Asn. Concept learning; social psychology. Address: Dept. of Psychology, Gettysburg College, Gettysburg, Pa. 17325.
- SMOLANSKY, DR. OLES M, b. Ukraine, May 20, 30; U.S. citizen; m. 66; c. 1. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A. N.Y. Univ, 53; M.A. Columbia, 55, Ph.D.(polit. sci), 59. Instr. polit. sci, California, Los Angeles, 60-62; asst. prof. INT. RELS, LEHIGH, 63-66, ASSOC. PROF, 66- Rockefeller Found. & Ford Found. For. Area Training Prog. fel, 62-63. Polit. Sci. Asn; Asn. Adv. Slavic Studies; Mid. East Inst. Soviet and Middle Eastern area studies; Soviet-Arab relations. Publ: Moscow-Cairo crisis, 1959, Slavic Rev, 12/63; Moscow and the Suez Crisis, 1956, a reappraisal, Polit. Sci. Quart, 12/65; Social stratification in the underdeveloped world: the Soviet approach, II Politico, 9/66. Address: Dept. of International Relations, Lehigh University, Bethlehem, Pa. 18015.
- SMOLENSKY, DR. EUGENE, b. Brooklyn, N.Y., Mar. 4, 32; m. 52; c. 2. ECONOMICS. A.B. Brooklyn Col, 52; M.A. American Univ, 56; Ph.D. Pennsylvania, 61. Asst. prof. ECON, Haverford Col, 60-64; ASSOC. PROF, Chicago, 64-68; WISCONSIN, 68- Consult, Bur. Labor Statist, 64-; Soc. Security Admin, 64- U.S.N., 56-60. Econ. Asn; Regional Sci. Asn. Economic theory; regional science. Publ: Co-auth, Aggregate supply and demand analysis, Harper, 64 & Structure of multiplier-accelerator models of the United States economy, 1909-1951, Int. Econ. Rev. Address: Dept. of Economics, University of Wisconsin, Madison, Wis. 53706.
- SMOLINSKI, DR. LEON, b. Poland, Aug. 6, 23; nat. ECONOMICS. A.M. Cincinnati, 53; Ford fel, Columbia, 54-57, Perkins Scholar & Rand fel, 57-58, Ph.D., 60. Res. assoc. Columbia, 58-60; asst. prof. ECON, BOSTON COL, 60-62, assoc. prof, 62-68, PROF, 68- Assoc. Russian Res. Center, Harvard, 60-; res. fel, Harvard, 63-64; Am. Coun. Learned Socs. res. grant, 63-64, 67-68; vis. lectr, Mass. Inst. Tech, 66-67. Consult, Rand Corp, 57-62. Econ. Asn; Asn. Adv. Slavic Studies; Asn. Study Soviet-Type Econ. Economic the-

ory; analysis of Soviet economy; econometrics. Publ: Co-auth, Hungarian national income and product, Columbia, 63; auth, Scale of Soviet industrial establishments, *Am. Econ. Rev.* 62; What next in Soviet planning, *For. Affairs*, 64. Address: Dept. of Economics, Boston College, Chestnut Hill, Mass. 02167.

SMOLINSKY, DR. HAROLD J (AY), b. Vineland, N.J., Aug. 30, 23; m. 46; c. 3. PSYCHOLOGY. A.B. Temple, 47, A.M. 48; Ph.D. N.Y. Univ. 55. Psychol. intern. Alton State Hosp, Ill, 50-51; sr. psychologist, Embreeville State Hosp, Pa, 51-55; dir. psychol. serv. Wernersville State Hosp, Pa, 55-62; dir. Phila. Psychol. Serv. Edward N. Hay & Assocs, 62-64; private psychologist, 65-66; PRIN, EDWARD N. HAY & ASSOCS, 66- Consult, Juvenile Court, Chester County, 53-55; psychologist, Reading Hosp, 59-; consult, Bethany Children's Home, 65-67. U.S.A. 43-46. Psychol. Asn; Am. Acad. Polit. & Soc. Sci; Int. Soc. Clin. & Exp. Hypnosis. Theory of organization design and function; executive motivation; compensation and selection; theory of manpower utilization in complex social and industrial structures. Address: Edward N. Hay & Associates, 121 S. Broad St, Philadelphia, Pa. 19107.

SMOOT, DR. KENNETH E, b. Bethel, Mo, Feb. 23, 31; m. 54; c. 2. PSYCHOLOGY. A.B. Missouri, 54, A.M. 57, Ph.D. (psychol), 63. Asst. prof. PSYCHOL, Ft. Hays Kans. State Col, 60-64, ASSOC. PROF, 64-66; WIS. STATE, EAU CLAIRE, 66- AAAS. Psychology of learning and perception; physiological psychology. Publ: Performance after failure as a function of interpolated activity, *J. Genetic Psychol.* 62; co-auth, Response latency in the monkey as a function of duration of interruption of an instrumental act, *Psychol. Record*, 1/65. Address: Dept. of Psychology, Wisconsin State University, Eau Claire, Wis. 54701.

SMUCKER, DR. LEONARD, b. Smithville, Ohio, Apr. 3, 28; m. 51; c. 4. CLINICAL PSYCHOLOGY. A.B. Bluffton Col, 50; B.D. Bethany Sem, 55; Ph.D. Southern California, 59. Dep. counsr. Off. Counsr. & Ment. Health, Los Angeles County, Calif, 58; fel. Merrill-Palmer Inst, 59-60; staff psychologist, Beatty Mem. Hosp, 60-63; CLIN. PSYCHOLOGIST, OAKLAWN PSYCHIAT. CENTER, 63- Instr. Goshen Col, 60. Private practice, 61- Psychol. Asn; Asn. Marriage Counsr; Soc. Sci. Study Relig. Individual and group psychotherapy; personality theory; person perception. Publ: Spring: a therapeutic relationship, *Herald*, 5/67; Human encounter, personality types, and implicit theories of personality. Address: Oaklawn Psychiatric Center, 2600 Oakland Ave, Elkhart, Ind. 46514.

SMUCKLER, DR. RALPH H (ERBERT), b. Milwaukee, Wis, Apr. 10, 26; m. 46; c. 3. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A. Wisconsin, 48, M.A. 49, Ph.D. (polit. sci), 52. Instr. POLIT. SCI, MICH. STATE, 51-53, asst. prof, 53-56, assoc. prof, 56-63, PROF, 63-, DEAN INT. PROGS, 68-, asst. dean 57-60, assoc. dean, 60-68. Asst. chief adv. Mich. State Univ-Int. Coop. Admin. Prof, Vietnam, 55-56, chief adv, 58-60; v-pres, Ed. & World Affairs, 63-64; Ford Found. rep, Pakistan, 67- U.S.A. 44-46. Soc. Pub. Admin; Polit. Sci. Asn. American foreign policy; politics of economic aid and technical assistance; community power structure and attitudes toward foreign affairs. Publ: Politics in the press; Leadership and participation in urban political affairs. Address: Dept. of Political Science, Michigan State University, East Lansing, Mich. 48823.

SMYKAL, DR. ANTHONY, JR, b. Hodonin, Czech, Sept. 3, 20; nat; m. 42; c. 2. EDUCATIONAL & CLINICAL PSYCHOLOGY. B.A. Okla. State, 49; M.S. Oklahoma, 50; Ed.D. Pacific (Calif), 61. Asst. psychologist, Griffin Mem. Hosp, Norman, Okla, 49-50; asst. psychol, Oklahoma, 50; clin. psychologist, Univ. Hogs. Ment. Hyg. Clin, Oklahoma City, 50-53, dept. ment. hyg, Modesto State Hosp, Calif, 53-60; INSTR. PSYCHOL. & COUNSELING PSYCHOLOGIST, MODESTO JR. COL, 60- U.S.A. 43-44. Psychol. Asn. Electro-convulsive therapy; projective techniques; analysis of developmental factors related to academic achievement. Publ: Wechsler-Bellevue subtest score changes resulting from electric convulsive therapy & Significance of the Rorschach pure color response, *Okla. Acad. Sci*; co-auth, Etiological studies of psycho-pathic personality: asocial type, *J. Clin. Psychol.* Address: 910 Valerie Lane, Modesto, Calif. 95350.

SMYKAY, DR. EDWARD W (ALTER), b. South River, N.J., Feb. 24, 24; m. 47; c. 1. ECONOMICS. B.S. Rutgers, 48; M.S. Maine, 52; Ph.D. (pub. utilities, transportation), Wisconsin, 56. ASST. PROF. econ, Marquette, 54-56; TRANSPORTATION, MICH. STATE, 56- Chmn. carrier liaison cmt, Off. Emergency Transportation, 66-67; chmn, Presidential Cmn. Parcel Distribution, 67; pres, Nat. Coun. Phys. Distribution Mgt, 67, chmn. bd, 68. U.S.A.A.F. 43-46, 2nd Lt. Econ. Asn. Transportation; public utility economics. Publ: Co-auth, Physical distribution management, Macmillan, 61, rev. ed, 68 & Bibliography on physical distribution management, Nat. Coun. Phys. Distribution Mgt, 67; auth, Prime 100: new routes to system profits, *Am. Mgt. Asn.* 67. Address: Dept. of Marketing & Transportation Administration, Graduate School of Business, Epley Center, Michigan State University, East Lansing, Mich. 48823.

SMYTHE, DR. CYRUS FIELD, JR, b. New York, N.Y., Apr. 25, 28. ECONOMICS. B.A. Univ. of the South, 51; Ph.D. (econ), Washington (Seattle), 61. ASSOC. PROF. LABOR ECON, MINNESOTA, MINNEAPOLIS, 61- Econ. Asn; Indust. Rels. Res. Asn. Labor relations and law. Publ: Individual and group interests in collective labor relations, 6/62 & co-auth, Individuals' procedural rights in union disciplinary actions, 4/66, Labor Law J; auth, Collective bargaining under executive order 10988—trends and prospects, *Pub. Personnel Rev.* 10/65. Address: School of Business, University of Minnesota, Minneapolis, Minn. 55455.

SMYTHE, DR. DALLAS W (ALKER), b. Regina, Sask, Mar. 9, 07. ECONOMICS. A.B. California, 28, Ph.D. 37. Economist, Cent. Statist. Bd, D.C. 37-38, sr. economist, wage & hour div, 38-41; prin. economist, div. statist. standards, Bur. Budget, 41-42; chief economist, Fed. Communication Cmn, 43-48; prof. econ, Illinois, Urbana, 48-57, res. prof. communications, inst. communications res. & grad. sch, 54-63; CHMN. DIV. SOC. SCI. & CHMN. ADMIN. CMT. OF GRAD. SCH. COMMUNICATIONS M.A. PROG, SASKATCHEWAN, REGINA, 63- Statist. Asn. Economics of communications. Address: Division of Social Sciences, University of Saskatchewan, Regina, Sask, Can.

SMYTHE, DR. HUGH H (EYNE), b. Pittsburgh, Pa, Aug. 19, 13; m. 39; c. 1. ANTHROPOLOGY, SOCIOLOGY. A.B. Va. State Col, 36; scholar, & M.A. Atlanta, 37; Strong grant, Fisk, 37-39, univ. fel, 38-39; Rosenwald fel, Chicago, 39-41, Am. Coun. Learned Soc. grant, 41; Ph.D. (anthrop), Northwestern, 45; Columbia, 50-51. Prof. anthrop. & sociol. Tenn. State Col, 45-46; asst. dir. dept. spec. res, Nat. Asn. Adv. Colored People, 47-49; res. dir, W.B. Graham & Assocs, 49; vis. prof, Yamaguchi Nat. Univ, Japan, 51-53; PROF. SOCIOL, BROOKLYN COL, 53- Prof, Morris Brown Col, 44; Am. Friends Serv. Cmt. scholar, 50; dir. res, State Cmn. Against Discrimination, N.Y., 56; Ford Found. Int. res. fel, Africa, 57-58; Soc. Sci. Res. Coun. grant-in-aid, 60; Fulbright prof, 63-64; field supvr, Oper. Crossroads, Africa, 60; sr. adv, U.S. Mission to UN, 61-62; U.S. sr. adv, Nat. Res. Coun. Thailand, 63-64; ambassador, Syrian Arab Repub, 65-67, Malta, 67- Consult, spec. ops. res. off, American Univ, 61-; polit. sci. faculty, Chulalongkorn, Bangkok, 63-64; Youth in Action, N.Y., 65. Mem. nat. cmt, Sponsors Mod. Community Developers, 58; spec. adv. cmt. ed. in Africa, Inst. Int. Ed, 59; U.S. Senate For. Rels. Cmt, 59. Mem. U.S. Del. Prog. Cmt. & Exec. Bd, UNICEF, 61, 62, Econ. & Soc. Coun, UN, 61, 62, Gen. Assembly, 61, Spec. Cmn, 62, Capital Develop. Fund, 62; UN Conf. Eliminate Statelessness, 61; subcm, Prev. of Discrimination & Protection of Minorities, 62; Human Rights Cmt, 62; Status of Women Cmt, 62; Social Cmn, 62; Statist. Cmn, 62; Spec. Fund Governing Coun, 62; Int. Coffee Conf. & Int. Cong. Africanists, 62; participant, nat. conf, U.S. Nat. Cmn. for UNESCO, 61; bd. mem, Oper. Crossroads Africa, 58-; mem. nat. res. bd. media anal. proj, President's Cmn. Civil Disorders, 67- British Colonial Award, 49. U.S.A. 43. Fel. Anthropol. Asn; fel. African Studies Asn; fel. Soc. Appl. Anthropol; Inst. Race Rels. Brit; Int. Soc. Sci. Study Race Rels; Asn. Teachers Chinese Lang. & Culture; Asian Soc; Japan Soc; Mid. East Inst. Race and culture contact; African and Asian affairs; New World Negro problems; international affairs; modern developments and studies in new leadership groups. Publ: Co-auth, New Nigerian elite, Stanford, 60; Educating the culturally disadvantaged child, McKay, 66; auth, Intergroup relations & Sociology in Japan, In: Contemporary sociology. Address: 345 Eighth Ave, New York, N.Y. 10001.

SMYTHE, PROF. L (IMEN) T (OWERS), Econ, see 10th ed, Soc. & Behav. Vols.

SMYTHES, DR. MABEL M (URPHY), b. Montgomery, Ala, Apr. 3, 18; m. 39; c. 1. ECONOMICS. A.B. Mt. Holyoke Col, 37; M.A. Northwestern, 40; nat. fel, Wisconsin, 40-41, Laird fel, 41-42, Rosenwald fel, 41-42, Ph.D. (econ, law), 42. From asst. prof. to assoc. prof. econ. & bus. admin. & acting head, Lincoln (Mo), 42-45; prof, Tenn. State Col, 45-46; lectr. econ, Brooklyn Col, 46-47; vis. lectr, Shiga Univ, Japan, 51-53; sr. core teacher, NEW LINCOLN HIGH SCH, 54-59, PRIN, 59- Lectr, City Col. New York, 59-60; assoc. prof. teachers summer workshop on Africa, Queens Col. (N.Y.), 62; Fulbright Found. lectr, Nicosia, Cyprus, 66. Consult, John Tavis, Inc, 47-51. Trustee, New York Urban League, Conn. Col. & Int. Schs. Serv, 64- Mem. adv. cmt, Oper. Crossroads Africa, 58-; group leader, Africa, 58; mem. bd, Women's Africa Cmt, 58-; cmm. int. affairs, YWCA Nat. Bd, U.S. Adv. Cmn. Ed. Exchange, 61-62; U.S. Adv. Cmn. Int. Ed. & Cultural Exchange, 62-65; mem. & dir, Cmt. Assessing Progress Ed, 64- Econ. Asn; Acad. Polit. & Soc. Sci. Economic effects of intergroup tensions; African affairs; current urban problems of integration in education; planning curriculum for integrated schools. Publ: Co-auth, New Nigerian elite, Stanford Univ, 60 & 62 & Intensive English conversation, Kairyudo Press, Japan; co-ed, Curriculum for understanding, Union Free Sch. Dist. 13, 9/65. Address: 345 Eighth Ave, New York, N.Y. 10001.

SNADEN, DR. JOHN W, Geog, see 10th ed, Soc. & Behav. Vols.

SNAVELY, DR. HOWARD J, b. Ponca City, Okla, Nov. 1, 34; m. 57; c. 3. BUSINESS ADMINISTRATION. B.B.A. Oklahoma, 56; M.B.A. Denver, 64; D.B.A. Colorado, 68. Jr. acct, Peat, Marwick, Mitchell & Co, 56-57, sr. acct, 60-63; ASST. PROF. ACCT, TEXAS, ARLINGTON, 65- U.S.A.F. 57-60, Capt. Acct. Asn. Theory of accounting. Publ: Accounting information criteria, *Acct. Rev.* 4/67. Address: 2003 Westview Terr, Arlington, Tex. 76010.

SNAVELY, PROF. TIPTON R (AY), b. Jonesville, Va, Nov. 23, 90. ECONOMICS. A.B. Emory & Henry Col, 12; A.M. Virginia, 15, Ph.D. 19; A.M. Harvard, 18. Instr. ECON, VIRGINIA, 18-19, adj. prof. & assoc. prof, 19-24, prof, 24-61, EMER. PROF, 61-, chmn. dept, 23-56. Econ. adv. State Chamber Commerce, Va, 25-34; consult, Bur. Labor, 40-44; U.S. Bd. Transportation, 42-43. Chmn, State Milk Cmn, Va, 38-39, 42-49, assay cmm, U.S. Mint, 40; State Legis. Cmn. to Study Sales Tax, 44-45. Am. Econ. Asn; Royal Econ. Soc; Int. Inst. Pub. Finance. Taxation; public finance; history of economic thought. Publ: George Tucker as political economist, 64 & The department of economics at the University of Virginia, 1825-1956, 67, Univ. Virginia; Public utilities, 33. Address: Dept. of Economics, Rouss Hall, University of Virginia, Charlottesville, Va. 22903.

SNAVELY, PROF. WILLIAM P (ENNINGTON), b. Charlottesville, Va, Jan. 25, 20; m. 42; c. 3. ECONOMICS. B.A. Virginia, 40, M.A. 41, Ph.D. (econ), 50; Harvard, 41, 46. Instr. ECON, CONNECTICUT, 47-50, asst. prof, 50-55, assoc. prof, 55-61, PROF, 61-, HEAD DEPT, 66- Ford Found. fel, 51-52; Found. Econ. Ed. fel, 52; economist, Jordan Develop. Bd, Ford Found. Prog, 61-62. Ford Found. consult, Lebanese Ministry Planning, 64-65. U.S.A. 42-45, Capt. Econ. Asn; Finance Asn. Money and banking; Middle East economic development. Publ: Co-auth, Textbook on intermediate economic theory; auth, Long run prospects of Italian agriculture, *Am. J. Econ. & Soc*; The asset reserve plan, *South. Econ. J.* Address: 9 Storrs Heights Rd, Storrs, Conn. 06268.

SNEAD, PROF. RODMAN E, Geog, see 11th ed, Phys. & Biol. Vols.

SNELL, DR. DAVID A, b. San Antonio, Tex, Mar. 8, 31. ECONOMICS, BUSINESS ADMINISTRATION. Ph.D. Texas, 60. Lectr. finance, Texas, 57-59; asst. prof. bus. admin, California, Los Angeles, 59-62; ECON. ADV. NAT. BANK COMMERCE, 62- Mem. dept. appl. econ. Cambridge, 62. Res. consult, Cmn. Money & Credit, 60. U.S.A. 54-56. Econ. Asn; Finance Asn; Am. Acct. Asn. Publ: Co-auth, Cases in corporate financial management, Analysis of technical components of federal lending policies toward business

enterprise and agriculture & Availability and adequacy of external finance for small business. Address: 3810 Westernman, Houston, Tex. 77005.

SNELL, PROF. HAMPTON K(ENT), b. Harvey, Ill, Mar. 10, 04; m. 28; c. 1. **TRANSPORTATION ECONOMICS**. A.B. Wisconsin, 25, Ely scholar, 27-28; A.M., 28; West Virginia, 26-27; Strathcona fel, Yale, 28-29, Ph.D., 41. Asst. to economist, Am. Transit Assn, 29; asst. statistician, Am. Tel. & Tel. Co., 29-30; from asst. prof. to assoc. prof., Montana, 30-36; assoc. prof. **TRANSPORTATION**, Southern California, 36-42; PROF, grad. sch., U.S. Dept. Agr., 42-47; TEXAS, AUSTIN, 47- Chief R.R. unit, War Prod. Bd, 42-43; head prog. specialist, mat. & equip. div., Off. Defense Transportation, 43-44; asst. dir., Indust. Col. Armed Forces, 44-45; asst. to v-pres. res. Asn. Am. R.R.'s, 45-47; prof. sch. for. serv., Georgetown, 46-47. Consult, various indus. & agencies, 35-41, 47-; transportation task force, Hoover Cmn, 54; Resources Protection Bd, 42-45; UN consult. transportation, Govt. Egypt, 59; Int. Coop. Admin-State Dept., Govt. Indonesia, 61; consult, Govt. Brazil-Agency Int. Develop., Rio de Janeiro, 64-65; Off. Transportation Res. U.S. Dept. Commerce, 64; Off. Emergency Transportation, U.S. Dept. Transportation, 67. Econ. Asn; Soc. Traffic & Transportation; Transportation Res. Forum. Rate structures and transport factors affecting various cities, industries and regions; transportation cost and analysis; resources and transportation; national defense executive reserve, United States Department of Transportation. Publ: Air transportation; contrib, Transportation in America; Inland waterway transport—Mississippi and Gulf System, U.S. Dept. Commerce, 65. Address: Dept. of Management, University of Texas, Austin, Tex. 78712.

SNELL, PROF. JOHN L(ESLIE), JR, Mod. European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SNELGROVE, PROF. (JOHN) LOUIS, b. Ozark, Ala, May 11, 28; m. 49; c. 2. **PSYCHOLOGY**. B.A. Emory, 52; M.A. Alabama, 56, Ed.D. 60. Teacher, high schs, Ala, 55-59; PROF. PSYCHOL, Union (Tenn), 60-68; Lambuth Col, 68- Consult, McGraw-Hill Book Co, 67. U.S.N., 46-48. Psychol. Asn. Test scores to predict college grades; underachievement of high school students. Publ: Psychological experiments and demonstrations, McGraw, 67; co-auth, Psychology: principles and applications, 69 & Record of activities and experiments, 69, Harcourt. Address: Lambuth College, Jackson, Tenn. 38301.

SNELLINGS, DR. AUBREY N(ELSON), b. Stafford, Va, Oct. 2, 17; m. 48; c. 3. **ECONOMICS**. B.A. Virginia, 51, M.A., 53, Ph.D.(econ), 55. Asst. prof. econ, Centre Col, 55-56; Tennessee, 56-60, assoc. prof. finance, 60-62; economist, FED. RESERVE BANK RICHMOND, 62-66, ASST. V-PRES, 66- U.S.A., 42-46. Econ. Asn; Finance Asn. Monetary theory and policy; public finance; business finance. Address: Federal Reserve Bank of Richmond, Ninth & Franklin Sts, Richmond, Va. 23213.

SNIDE, DR. JOHN D(AVID), b. Canton, Ohio, Jan. 9, 30. **PSYCHOLOGY**. B.S. Ohio State, 51, M.A., 52, Ph.D.(physiol. psychol), 56. Asst. instr. psychol, Ohio State, 55-56; res. psychologist, Pennsylvania, 56-57; asst. prof. psychol, George Washington, 57-59; DAYTON, 65-68, RES. PSYCHOLOGIST, INFO. SCI, 68- AAAS; Psychol. Asn. Learning; motivation; physiological psychology; information science. Publ: Co-auth, Development and experimental evaluation of a retrieval system for Air Force control display information, U.S. Air Force Tech. Report, AFFDL-TR-67-19; co-auth, Primary stimulus generalization of the GSR under two conditions, 54 & The influence of non-reinforcement of a component of a complex stimulus on resistance to extinction of the complex itself, 55, J. Exp. Psychol. Address: Dept. of Information Science, University of Dayton, Dayton, Ohio 45409.

SNIDECOR, PROF. JOHN C(LIFTON), b. Washta, Iowa, Oct. 18, 07; m. 29; c. 1. **SPEECH PATHOLOGY**. A.B. California, 31; M.A. Iowa, 37, Ph.D. (speech), 40. Teacher speech & psychol. & dean admin, Antelope Valley Jr. Col, 32-36; teacher speech, Idaho, 37-39; Santa Barbara Col, California, 40-43; mem. staff, Nat. Acad. Sci., D.C., 43; psychol. corp. Nat. Defense Res. Cmt, N.Y., 44; chmn. dept. speech & dir. speech & hearing clin, CALIFORNIA, SANTA BARBARA, 46-48, dean appl. arts, 48-59, PROF. SPEECH, 48- U.S.N.R., 44-46, Lt. Comdr. Psychol. Asn; fel. Speech & Hearing Asn; Speech Asn. Speech intelligibility; experimental phonetics; speech pathology; experimental studies of the pitch and duration characteristics of superior speakers; speech of American Indian; esophageal speech. Address: Dept. of Speech, University of California, Santa Barbara, Calif. 93106.

SNIDER, DR. BILL C(ARL) F, b. Cedar Rapids, Iowa, July 11, 20; m. 54; c. 1. **STATISTICS**. B.A. Wichita, 42, M.A., 51; Ph.D. Iowa, 55. Res. assoc. prev. ment. health, child welfare res. sta, IOWA, 56-65, comput. center, 62-65, ASST. PROF. STATIST., COL. ED. & COMPUT. CENTER, 65. Ed. Res. Asn; Psychol. Asn; Asn. Comput. Mach; Statist. Asn. Mental health; statistics and preventive mental health. Publ: Relation of growth in causal orientation to insecurity in elementary school children, Psychol. Reports; Attitude of kindergarten children toward specifically prepared story materials, J. Exp. Ed; An approach to the teaching of human behavior. Address: College of Education, Room W-408, East Hall, University of Iowa, Iowa City, Iowa 52240.

SNIDER, PROF. CLYDE F(RANK), b. Savonburg, Kans, Mar. 5, 04; m. 30; c. 1. **POLITICAL SCIENCE**. A.B. Kansas, 28, A.M., 30; Indiana, 30-33; Ph.D., Illinois, 36. Asst. POLIT. SCI, ILLINOIS, URBANA, 34-36, instr. 38-39, assoc. 39-41, asst. prof., 41-43, assoc. prof., 43-49, PROF., 49- chmn. dept., 57-61, div. soc. sci., 58-60. Consult, State Cmt. Govt. Econ, Ind., 34. Polit. Sci. Asn. Township government in Indiana; county government in Illinois; American state and local government. Publ: Local government in rural America. Address: Dept. of Political Science, University of Illinois, Urbana, Ill. 61801.

SNIDER, PROF. DELBERT A(RTHUR), b. Fayetteville, Ohio, Jan. 11, 14. **ECONOMICS**. A.B. Cincinnati, 36, A.M., 37; Grad. Inst. Int. Studies, 36; Ph.D., Chicago, 51. Economist, U.S. Treas. Dept., 40-43, as. treas. rep., Paris, 48-47; assoc. prof. econ, Miami (Ohio), 47-48, 49-53; U.S. mem. Greek currency cmt, Bank of Greece, 48-49; PROF. ECON, MIAMI (OHIO), 53- Participant, vis. scientist prog, Am. Econ. Asn, 66-67. Econ. Asn. Inter-

national economics. Publ: Economics: principles and issues; Economic myth and reality, Prentice-Hall, 65; International monetary relations, 66. Address: Dept. of Economics, Miami University, Oxford, Ohio 45056.

SNIDER, PROF. H(AROLD) WAYNE, b. Puyallup, Wash, Apr. 16, 23; m. 60; c. 2. **ECONOMICS, BUSINESS ADMINISTRATION**. B.A., Washington (Seattle), 47, M.A., 50; Huetner Found. fel, Pennsylvania, 50-54, Ph.D.(econ), 55. Assoc. prof. bus, Ill. Wesleyan, 54-58; asst. prof. ins, Wharton Sch, Pennsylvania, 58-63; PROF. INS. & RISK & CHMN. DEPT., TEMPLE, 63- Ins. ed, Prentice-Hall, Inc, 63- U.S.A., 42-46. Mgt. Asn. Corporate risk management; automobile, life and general insurance. Publ: Co-auth, The growing job of risk management, Am. Mgt. Asn, 62; Risk and insurance, Prentice-Hall, 64; ed. & contrib, Risk management, Irwin, 64. Address: Dept. of Insurance & Risk, School of Business Administration, Temple University, Philadelphia, Pa. 19122.

SNIDER, DR. JAMES G(RANT), b. Rush Springs, Okla, Mar. 21, 28; m. 53; c. 2. **PSYCHOLOGY, EDUCATIONAL PSYCHOLOGY**. B.S. Idaho, 52, M.S., 54; Ph.D.(ed. psychol), Stanford, 64. Assoc. prof. ed. psychol, Calgary, 60-67; SR. RES. SCIENTIST, INT. DIV. AM. INSTS. RES, 67- U.S.A., 46-48. Interam. Soc. Psychol. Language behavior; measurement of meaning; academic achievement. Publ: Co-auth, Semantic differential technique: a sourcebook, Aldine, 68; auth, A comparison of all-inclusive conceptualization in the delinquent and non-delinquent, Can. J. Corrections, spring, 65; The Dam measure, Psychol. Reports, 12/67. Address: American Institutes for Research, 135 N. Bellefield Ave, Pittsburgh, Pa. 15213.

SNIDER, PROF. MAX D(ONALD), b. Hunt, Ill, May 27, 15; m. 39; c. 5. **ECONOMICS**. B.S. Illinois, 36, M.S., 37; M.B.A., Stanford, 41. Asst. grad. sch. bus, Stanford, 39-41; asst. prof. econ, LEHIGH, 46-63, ASSOC. PROF. MKT. & ASST. DEAN COL. BUS. ADMIN, 63-, asst. to dean, 62-63. U.S.A., 41-46, Col. Mkt. Asn. Marketing. Publ: Collab, Principles of advertising; co-auth, Readings in marketing. Address: College of Business Administration, Lehigh University, Bethlehem, Pa. 18015.

SNIPES, DR. WALTER THOMAS, b. Kannapolis, N.C., Apr. 10, 32; m. 53; c. 2. **EDUCATIONAL PSYCHOLOGY**. B.S. Oglethorpe, 60; M.Ed. Mercer, 62; Ed.D.(ed. psychol), Georgia, 64. Teacher, jr. high sch, Ga, 56-60; elem. sch, 60-62; teaching asst, Georgia, 62-64; asst. prof. PSYCHOL, APPALACHIAN STATE, 64-66, ASSOC. PROF. & CHMN. DEPT., 66- Psychol. Asn. Child and adolescent psychology. Publ: Promotion and moving, Elem. Sch. J, 5/65; co-auth, The relationship of mobility to achievement in reading, arithmetic, and language in selected Georgia elementary schools, J. Ed. Res, 3/66; auth, The effect of moving on reading achievement, Reading Teacher, 12/66. Address: Dept. of Psychology, Appalachian State University, Boone, N.C. 28607.

SNITZLER, DR. JAMES R, b. Bellingham, Wash, Aug. 25, 18; m. 41, 67; c. 2. **ECONOMICS, POLITICAL SCIENCE**. B.A. Washington (Seattle), 43; M.B.A. Columbia, 49, Ph.D.(econ), 59. Asst. prof. gen. econ. & transportation, sch. bus. & tech, Oregon State, 49-52; economist, U.S. Dept. Agr., 52-56, asst. chief transportation, res. br. transportation, 56-60; consult. econ. & transportation to eng. res. & govt. insts, U.S. Africa, Cent. & S.Am, 60-65; consult. transportation, Regional Off. for Cent. Am. & Panama, Agency Int. Development, Guatemala, 65-66; DIR, CONSULTORA LATINOAMERICANA, LTDA, 66- Mem. Transportation Res. Forum, 62- Meritorious award, U.S. Dept. Agr, 58. U.S.A., 44-46, 1st Lt. Econ. Asn; Soc. Traffic & Transportation. International economics; sectorial analysis and the economic and engineering feasibility of infrastructure projects in the underdeveloped economies. Publ: Improving the efficiency of truck delivery operations for wholesalers, J. Mkt, 5/60; co-auth, Transportation of seed, In: SEED, The Agriculture Yearbook, 61 & Transportation planning in Central America, Traffic Quart, 7/66. Address: P.O. Box 1672, Guatemala, Cent. Am.

SNODGRASS, DR. FLORENCE T(HOMPSON), Psychol, see 10th ed, Soc. & Behav. Vols.

SNODGRASS, PROF. MILTON M(OORE), b. Linesville, Pa, July 9, 31; m. 51; c. 2. **AGRICULTURAL ECONOMICS**. B.S. Pa. State, 51; M.S., Purdue, 55, fel, 55-56, Ph.D.(agr. econ), 56. Asst. agr. econ, Purdue, 53-54, asst. prof. 56-59, assoc. prof. 59-64, prof., 64-67; PROF. INT. AGR. & HEAD DEPT. & COORDINATOR OVERSEAS ED. PROGS, CALIF. STATE POLYTECH. COL, 67- Econ-in-action fel, Case, 57; vis. fel, Kasetsart Univ, Bangkok, 64-65. Award, Am. Agr. Econ. Asn, 56. U.S.A.F., 51-53. Agricultural marketing and interregional competition. Publ: Co-auth, Agriculture, economics, and growth, Appleton, 64; auth, Linear programming approach to interregional competition in dairying; Impediments to obtaining, retaining, and developing competent undergraduate teachers, J. Farm. Econ, 67. Address: Dept. of International Agriculture, California State Polytechnic College, Kellogg-Voorhis Campus, 3801 W. Temple Ave, Pomona, Calif. 91766.

SNOEK, DR. JAAP DIEDRICK, b. The Netherlands, Jan. 31, 31; nat; m. 55; c. 1. **SOCIAL PSYCHOLOGY**. B.A. Western Reserve, 54, M.A., 55; Soc. Sci. Res. Coun. fel, 58-59; Ph.D. Michigan, 60. Asst. res. center for group dynamics, Michigan, 56-58, study dir. indust. ment. health, Inst. Soc. Res, 59-62; asst. prof. PSYCHOL, SMITH COL, 62-68, ASSOC. PROF., 68- Training assoc, Nat. Training Labs, 62; vis. asst. prof, Carnegie Inst. Tech, 66-67. Psychol. Asn. Social influence processes; interpersonal attraction. Publ: Co-auth, Organizational stress, Wiley, 64 & Study of tensions and adjustment to role conflict, J. Soc. Issues; auth, Role strain in diversified role sets, Am. J. Sociol, 66. Address: Dept. of Psychology, Smith College, Northampton, Mass. 01060.

SNORTUM, DR. JOHN R, b. Canby, Minn, Sept. 17, 35; m. 57; c. 2. **PSYCHOLOGY**. B.A. Concordia Col, 57; Ph.D.(psychol), Washington State, 62. Clin. intern psychol, West. State Hosp, Wash, 61-62; asst. prof. PSYCHOL, Concordia Col, 64-67; ASSOC. PROF., CLAREMONT MEN'S COL, 67- Staff psychologist, Voc. Training Center, N.Dak., 64-67. Med.Serv.C, U.S.A., 62-64, Capt. Psychol. Asn. Objective testing; group therapy; mental retardation. Publ: Performance of different diagnostic groups on the Bender-Gestalt, J. Consult. Psychol, 65; Probability learning and gambling behavior in the psy-

chopathic deviate, *J. Gen. Psychol.* 68. Address: 438 W. 12th St, Claremont, Calif. 91711.

SNOW, DR. DEAN RICHARD, b. Sleepy Eye, Minn, Oct. 18, 40; m. 63. ANTHROPOLOGY. B.A. Minnesota, 62; Ph.D.(anthrop), Oregon, 66. ASST. PROF. ANTHROP, MAINE, 66- Prin. investr, Nat. Sci. Found. res. grant, Maine, 67. Fel. Anthrop. Assn. Archaeology and ethnology of the New World especially the Indians of North America; archaeological theory and method; Mesoamerican archaeology. Address: Dept. of Anthropology, 30 S. Stevens Hall, University of Maine, Orono, Maine 04473.

SNOW, DR. JOHN WILLIAM, b. Aug. 2, 39; U.S. citizen; m. 63; c. 1. ECONOMICS. B.A., Toledo, 62; Nat. Defense fel. & Ph.D.(econ), Virginia, 65; LL.B., George Washington, 67. Instr. econ, Virginia, summer 64; labor economist, U.S. Dept. Labor, 64-65; ASST. PROF. ECON, MARYLAND, 65- Instr. Inst. Defense Anal, summer 66; lectr, Inter-Am. Defense Col, 67. Consult, Nat. Cong. Petrol. Retailers, 65-67. Am. Econ. Assn; Royal Econ. Soc. Legal and economic problems of regulation, particularly antitrust and transportation regulatory policy. Publ: Perspectives on economics, Interstate, 67; The law and economics of developing technology, George Washington Prog. Policy Studies, fall 67; Air freight forwarding: a legal and economic analysis, *J. Air Law & Commerce*, fall 66. Address: Dept. of Economics, University of Maryland, College Park, Md. 20742.

SNOW, DR. LORENZO HESS, b. Brigham City, Utah, Sept. 8, 18; m. 48. SOCIOLOGY. A.B. Brigham Young, 50; M.A. Northwestern, 55; Ph.D.(sociol), Ohio State, 66. Instr. SOCIOL, North Dakota, 58-60; Arizona, 60-62, asst. prof, 62-67; ASSOC. PROF. CALIF. STATE COL, HAYWARD, 67- U.S.A.F, 39-46, 1st Lt. Sociol. Assn; Statist. Assn; Nat. Conv. Family Rels; Rural Sociol. Soc. Marriage and family; demography. Address: Dept. of Sociology, California State College at Hayward, Hayward, Calif. 94542.

SNOW, DR. PETER G(ORDON), b. Boulder, Colo, July 3, 33; m. 58; c. 1. POLITICAL SCIENCE. B.A. Tex. Tech. Col, 58, M.A. 60; Ph.D.(polit. sci), Virginia, 63. Asst. prof. POLIT. SCI, IOWA, 62-66, ASSOC. PROF, 66- Henry L. & Grace Doherty Found. res. fel, 66-67. U.S.A. 53-55, Sgt. Polit. Sci. Assn; Latin Am. Studies Assn. Latin American politics, especially the political party systems of the region and of Argentina. Publ: Argentine radicalism, Univ. Iowa Press, 65; Government and politics in Latin America: a reader, Holt, 66; Parties and politics in Argentina, *Midwest J. Polit. Sci.*, 65. Address: 84 Olive Court, Iowa City, Iowa 52240.

SNOW, DR. R(EUBEN) J(OSEPH), b. Cedar City, Utah, Oct. 15, 37; m. 62; c. 2. POLITICAL SCIENCE. B.A. Utah, 62, univ. fel. & M.A. 64; M.A. Northwestern, 65, Soc. Sci. Res. Coun. fel, 65-66, Ph.D.(polit. sci), 66. Res. fel. ed. & polit. center adv. study ed. admin, Univ. Oregon, 66-67; ASST. PROF. POLIT. SCI, CALIFORNIA, SANTA BARBARA, 67- Political Sci. Assn. Metropolitan and urban politics; education and politics; state and local politics; political research methods. Address: Dept. of Political Science, University of California, Santa Barbara, Calif. 93106.

SNOW, DR. RICHARD E(RIC), b. Newark, N.J., June 6, 36; m. 58; c. 4. PSYCHOLOGY. EDUCATION. B.A. Virginia, 58; M.A. Purdue, 60. Ph.D.(psychol), 63. Instr. instructional media res. audio visual center, Purdue, 60-62, asst. prof, 62-65, assoc. prof, 65; res. assoc. ED. PSYCHOL, Stanford Center Res. & Develop Teaching, STANFORD, 66-67, ASST. PROF. SCH. ED, 67- Participant, Stanford Res. Conf. Learning & Ed. Process, summer, 65; adv. summer inst. psychol. measurement theory, Netherlands Univ. Found. Int. Coop, 66. AAAS; Psychol. Assn. Nature of aptitude; measurement of individual differences; uses of film and television in psychological research; personnel psychology; research methodology. Publ: Co-auth, Individual differences and instructional film effects, *J. Ed. Psychol.*, 65 & Toward a psycholinguistics of cinema, *Audio Visual Commun. Rev.*, 67; auth, Brunswikian approaches to research on teaching, *Am. Ed. Res. J.*, 68. Address: School of Education, Stanford University, Stanford, Calif. 94305.

SNOWBARGER, DR. MARVIN R, b. Los Angeles, Calif, Oct. 9, 36; m. 53; c. 2. ECONOMICS. B.S. California, Los Angeles, 60; Ph.D.(econ), Michigan, 66. ASST. PROF. ECON, SAN JOSE STATE COL, 66- Asn. Comput. Mach; Statist. Assn. Consumer expenditures; federal personal income tax; union membership. Publ: Co-auth, Consumer expenditures for durable goods, *Nat. Bur. Econ. Res.*, 67. Address: Dept. of Economics, San Jose State College, San Jose, Calif. 95114.

SNOWBARGER, DEAN VERNON ANDREW, b. Sylvia, Kans, May 15, 15; m. 38; c. 3. SOCIOLOGY. A.B. Bethany Nazarene Col, 38; M.A. Oklahoma, 42; Ph.D.(sociol), Southern California, 54. Teacher, Bresee Acad, Kans, 38-40; from assoc. prof. sociol. & hist. to PROF. SOCIOL. & DEAN STUDENTS, BETHANY NAZARENE COL, 40- Instr. exten. dept. Oklahoma, 48-49; asst. sociol. res. lab, Southern California, 52-54; spec. instr. Occidental Col, 53-54. Mem. Am. Coun. Family Rels. Nat. Ed. Assn; Sociol. Assn. Family relations; race relations; social statistics. Address: 3000 Oakridge Dr, Bethany, Okla. 73008.

SNOWDEN, PROF. JAMES G(REEN), b. St. Helen, Ky, Apr. 11, 21; m. 43; c. 2. EDUCATIONAL PSYCHOLOGY. A.B. Kentucky, 42, M.A. 47; Ed.D. (ed. psychol), Indiana, 53. Prof. ed. & dean men, Vincennes, 50-54; asst. prof. ED, EASTERN KENTUCKY, 54-59, assoc. prof, 59-64, PROF, 64- U.S.A.A.F, 43-46. Psychol. Assn. Classroom instruction techniques at graduate level; educational measurement. Publ: An analysis of teachers' interpretations of statistical and psychological terms. Address: 118 Longview Dr, Richmond, Ky. 40475.

SNOWDEN, DR. ROBERT F(ORT), b. Oakland, Calif, May 2, 19; m. 41; c. 5. PSYCHOLOGY. A.B. California, Berkeley, 41, M.A. Los Angeles, 53, Ph.D.(psychol), 56. Prod. asst, Samuel Goldwyn Prods, Inc, 46-48; chief psychologist, Dwight Palmer & Assocs, 48-52; psychologist, Edward Glaser & Assocs, 52-56; PARTNER CONSULT. PSYCHOL, Glaser, Snowden & Assocs, 56-61. SNOWDEN, SULLIVAN & GOODWIN, 61- Consult, adminstr, Fed. Aviation Agency, 61-62. Mem. res. adv. Civil Aeromed. Res. Inst, 62-65. Cert. indust. psychol, Am. Bd. Exam. Prinl. Psychol, 62. U.S.A. 41-46,

Lt. Col. AAAS; Psychol. Assn; Soc. Proj. Tech. Selection and development of scientific and executive personnel; interaction between formal and informal organization and individual personality. Publ: Top management and the Rorschach, In: Further developments in the Rorschach technique. Address: 2540 Huntington Dr, San Marino, Calif. 91108.

SNOXELL, PROF. L(e VERNE) F, b. Lane, S.Dak, Jan. 31, 14; m. 49. PSYCHOLOGY. B.A. Yankton Col, 36; M.A. South Dakota, 40; Chicago, 47; Utah, 50; Ph.D.(psychol), Denver, 53. Voc. adv. Vet. Admin, 47-48, personal counsr, 48-50; counsr, Colo, 51-53; PROF. PSYCHOL. & PRIN. STUDENT PERSONNEL WORKER, MINNESOTA, MINNEAPOLIS, 53- U.S.A. 42-46. Psychol. Assn; Personnel & Guid. Assn. Counseling and guidance; teaching. Address: Room 302, Eddy Hall, University of Minnesota, Minneapolis, Minn. 55455.

SNYDER, PROF. CARL DEAN, b. Lansing, Mich, Aug. 6, 21; m. 51; c. 3. ECONOMICS, SOCIOLOGY. B.S. Heidelberg Col, 44; M.A. Miami (Ohio), 48; D.S.Sc.(econ, sociol), Syracuse, 63. Asst. instr. citizenship, Syracuse, 55-57; asst. sociol, State Univ. N.Y. Upstate Med. Center, 56-57; asst. prof. ECON, EASTERN MICHIGAN, 57-64, assoc. prof, 64-67, PROF, 67- Assoc. dir, Univ. Michigan-Nat. Defense Ed. Act Summer Inst. Adv. Econ. Ed, 66, dir, 67. Award, Kazanjian Found, 62. U.S.A.A.F, 43-46, 1st Lt. Econ. Assn; Indust. Res. Res. Assn; Sociol. Assn. Labor economics; industrial sociology; social philosophy; occupations; meaning of work. Publ: Resourcefulness in planning an economic workshop, In: Economic education experiences of enterprising teachers, Joint Coun. Econ. Ed, 63; Industrial unions can lose the battle for the white collar worker, *Dissertation Abstracts*, 64; The UAW and white collar unionization, *Mgt. Personnel Quart.*, winter 66. Address: Dept. of Economics, Eastern Michigan University, Ypsilanti, Mich. 48197.

SNYDER, PROF. CHARLES R(OYCE), b. Haverford, Pa, Dec. 28, 24; m; c. 4. SOCIOLOGY. B.A. Yale, 45, M.A. 49, Ph.D.(sociol), 54. Sociologist, center alcohol studies, Yale, 51-60, asst. prof. SOCIOL, univ, 56-60; PROF. SOUTHERN ILLINOIS, 60-. CHMN. DEPT, 64- Consult, behav. sci. training cmt, Nat. Inst. Gen. Med. Sci, 62-64; mem. planning cmt. & dep. chmn. prog, Int. Cong. Alcohol & Alcoholism, 66-68. U.S.N. 44-46. Sociol. Assn; Soc. Study Social Probs. Deviance and social disorganization, especially sociological investigation of alcohol problems. Publ: Alcohol and the Jews; co-ed, Society, culture, and drinking patterns. Address: 705 Taylor Dr, Carbondale, Ill. 62901.

SNYDER, PROF. CLINTON A, b. St. Louis, Mich, June 24, 22; m. 46; c. 2. SOCIOLOGY, SOCIOLOGY OF EDUCATION. B.S. Mich. State, 43, B.A. 54, Ph.D.(sociol), 63. Clerk, Wohler Corp, Mich, 37-43; lab. engr. Gen. Elec. Co, Ind, 43-44; mat. test engr, Howell Elec. Motors, Mich, 46-47; teacher, high sch, Mich, 48-55; from instr. to PROF. SOC. SCI, MICH. STATE, 56- Vis. prof. & proj. dir. diffusion study instr. TV, Ohio State, 61-63; summer exchange prof, Ryukyus, 66. U.S.N. 44-46, Res, 48-56, Lt. Fel. Sociol. Assn; Nat. Ed. Assn. Role theory; diffusion of educational practices; early childhood socialization. Publ: Co-auth, Instructional television and the classroom teacher, *AV Commun. Rev.*, spring 65; Preschool child's awareness and anticipation of adult sex-roles, *Sociometry*, 6/66. Address: Dept. of Social Science, Michigan State University, East Lansing, Mich. 48823.

SNYDER, DR. DAVID ELMER, b. Chicago, Ill, Aug. 26, 32. GEOGRAPHY. B.A. Valparaiso, 54; M.A. Northwestern, 56, Ph.D. 59. ASST. PROF. GEOG, Wharton Sch, Pennsylvania, 59-65; YALE, 65- Asn. Am. Geog; Am. Geog. Soc; Nat. Coun. Geog. Ed. Regional geography of Latin America; economic and urban geography. Publ: Commercial passenger linkages and the metropolitan nodality of Montevideo, *Econ. Geog.*; Urban places in Uruguay and the concept of a hierarchy. Address: Dept. of Geography, Yale University, New Haven, Conn. 06520.

SNYDER, DAVID M, Exp. Psychol, see 10th ed, Soc. & Behav. Vols.

SNYDER, PROF. DOROTHY M(AY), b. Jeannette, Pa, Mar. 24, 10. EDUCATIONAL PSYCHOLOGY, GUIDANCE. B.S. Pa. State Teachers Col, 48; M.A. Columbia, 48, Ed.D.(guid), 53. Instr. State Univ. N.Y. Teachers Col. Genesee, 50-52; reading consult, pub. schs, Cumberland County, Pa, 53-55; from instr. to PROF. PSYCHOL. & DIR. READING CLIN, INDIANA UNIV. PA, 55- Psychol. Assn; Personnel & Guid. Assn; Int. Reading Assn. Address: 56 S. Sixth St, Indiana, Pa. 15701.

SNYDER, DR. ELDON E(UGENE), b. Anthony, Kans, Sept. 6, 30; m. 51; c. 2. SOCIOLOGY. A.B. Southwestern Col, 52; M.S. Kansas, 56, univ. fel, 59-60, Danforth fel, summer, 61, Ed.D.(ed, sociol), 62. Teacher, high schs, 52-53, 56-59; from instr. to assoc. prof. sociol. & anthrop, Kans. State Teachers Col, 60-64; from asst. to ASSOC. PROF. SOCIOL, BOWLING GREEN STATE, 64- U.S. Off. Ed. res. grant, 67; participant, Nat. Sci. Found. Inst. Col. Teachers of Anthrop, summer, 62. U.S.A. 53-55, Sgt. Sociol. Assn. The school as a social system; adolescent subculture; Mexican-American migrant worker in Ohio. Publ: Socioeconomic variations, values, and social participation among high school students, *J. Marriage & the Family*, 5/66; Differential effects of innovation on the student social structure of a high school, *Sociol. Quart.*, winter 67; Sociology of education: a description of the field, *Sociol. & Soc. Res.*, winter 68. Address: Dept. of Sociology, Bowling Green State University, Bowling Green, Ohio 43402.

SNYDER, DR. ELEANOR M, b. Dunellen, N.J., Nov. 20, 14. ECONOMICS. B.A. Conn. Col. Women, 36; M.A. Columbia, 38, Ph.D. 61. Specialist prices & cost of living, bur. labor statist, U.S. Dept. Labor, 42-56; sr. economist, Farm Proj, Nat. Planning Assn, 62-66; DIR. GOUVERNEUR ECON. RES. PROJ, MED. & HEALTH RES. ASN. NEW YORK, INC, 66- Economist, Franklin D. Roosevelt Found, 54, 60; staff economist, Joint Econ. Cmt. U.S. Cong, 55. Econ. Assn; Statist. Assn. Income consumption and distribution; input-output analysis. Publ: Impact of long-term structural changes in family expenditure, 1888-1950, In: *Consumer behavior; Cost of living indexed for special classes of consumer; A study of causes of dependency during a period of high-level employment.* Address: Medical & Health Research Association of New York City, Inc, 40 Worth St, Room 716, New York, N.Y. 10013.

- SNYDER, DR. ELOISE C (OLLEEN), b. Hazleton, Pa, May 13, 28. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A. Lycoming Col, 53; M.A. Pa. State, 53, Ph.D.(sociol), 56. Instr. SOCIOL, Southern Illinois, 56-57, asst. prof, 57-62, assoc. prof, 62-67; VIS. PROF, South Carolina, 67-68; COLUMBIA COL. (S.C.), 68- Fel, Inter-Univ. Coun. Soc. Geront, 59. Sociol. Asn. Political sociology; marriage and family sociology; small groups; social psychology and gerontology. Publ: Co-auth, Marriage: an examination of the man-woman relationship; auth, Supreme Court as a small group, Soc. Forces; Uncertainty and the Supreme Courts decisions, Am. J. Sociol. Address: Senate Plaza, Columbia, S.C. 29201.
- SNYDER, FREDERIC W (INKLER), b. Bridgeton, N.J., Apr. 15, 25; m. 48; c. 4. PSYCHOLOGY. B.A. Wichita, 49, fel, 49-50, M.A., 51. Engr. Int. Bus. Mach. Corp, 42-43; asst. psychol, Wichita, 47-48, instr, 50-53; asst. res. psychologist, Menninger Found, Kans, 53-56; res. engr, human factors unit, BOEING CO, 56-60, head performance eval. group, 61-67, CHIEF HUMAN FACTORS STAFF, WICHITA DIV, 67- Mem. cmt. hearing & bioacoustics, Armed Forces-Nat. Res. Coun, 61- U.S.A., 43-46, Res, 46-, Capt. Psychol. Asn; Human Factors Soc. Human factors; perception; human vibration; laboratory instrumentation and simulators; engineering psychology. Publ: Co-auth, Vision with spatial inversion; co-auth, Information processing and problem solving, J. Exp. Psychol; auth, Vibration and vision, In: Visual capabilities in the space environment, Pergamon, 65. Address: 997 N. Recla, Wichita, Kans. 67212.
- SNYDER, PROF. GLENN, b. Superior, Wis, Oct. 8, 24; m. 51; c. 2. INTERNATIONAL RELATIONS, POLITICAL SCIENCE. B.S. Oregon, 48; M.A. Columbia, 53, Ph.D.(polit. sci), 56; fel, Wesleyan, 53-55. Reporter, Wall Street J, 49-51; res. assoc, inst. war & peace studies, Columbia, 55-58; center int. studies, Princeton, 58-60; assoc. prof. int. rels, Denver, 60-62; via. assoc. prof, California, Berkeley, 62-64; from assoc. prof. to PROF. POLIT. SCI, STATE UNIV. N.Y. BUFFALO, 64- Soc. Sci. Res. Coun. summer grant, Dartmouth Col, 58. U.S.A.A.F., 43-45, 2nd Lt. National security policy; civilian-military relations; international relations theory. Publ: Deterrence by denial and punishment; Deterrence and defense; Stockpiling strategic materials, Chandler Pub, 66. Address: Dept. of Political Science, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- SNYDER, DR. HELEN I (RENE), b. Emporia, Kans, Dec. 19, 22. PSYCHOLOGY. B.A. & B.S. Kans. State Teachers Col, 47; M.A. Colo. State Col, 50; Bur. Ed. fel, Illinois, 57-58, Ph.D.(psychol. ed), 58. Counsr. pub. sch, Kans, 47-54; instr, High Sch. Gifted Children, Univ. Illinois, 54-57; asst. prof. ED. PSYCHOL, PA. STATE, 58-66, ASSOC. PROF, 66- AAAS; Psychol. Asn; Soc. Res. Child Develop. Interpersonal-perception distortion as a function of the learning process; processes associated with conceptualization of the learner's world; human learning. Publ: Contemporary educational psychology: some models applied to the school setting, Wiley, 68. Address: Dept. of Educational Psychology, Pennsylvania State University, 314 Educational & Psychological Center II, University Park, Pa. 16802.
- SNYDER, PROF. J. HERBERT, b. McCloud, Calif, May 5, 26; m. 48; c. 3. AGRICULTURAL ECONOMICS. B.S. California, Berkeley, 49, Ph.D.(agr. econ), 54. Instr. AGR. ECON, CALIFORNIA, DAVIS, 53-55, asst. prof, 55-60, assoc. prof, 60-66, PROF. & CHMN. DEPT, 66- Adv, Harvard Univ-Ford Found, to Govt. Pakistan, 59-60; consult, Calif. Joint Legis. Cmt. Open Space, 67- Mem. adv. cmt. land use probs, Calif. Assembly Cmt. Agr, 64-; chmn. steering cmt. Calif. regional land use info. sys. proj, Calif. State Off. Planning, 66-68. U.S.N.R., 44-46. Agr. Econ. Asn; Geophys. Union; Soc. Farm Mgr. & Rural Appraisers; Soil Conserv. Soc. Am. (award, 67). Land and water economics; development economics, especially on agriculture; regional planning. Publ: Problems and possibilities in planning for agricultural development, Econ. Develop. & Cultural Change, 1/64; A program for agricultural land use in urbanizing areas, J. Farm Econ, 12/66; Programs for more effective land use, Proc. Ann. Meeting Agr. Res. Inst. Nat. Acad. Sci, 10/67. Address: Dept. of Agricultural Economics, University of California, Davis, Calif. 95616.
- SNYDER, J (EROME), Bus. Admin, see 10th ed, Soc. & Behav. Vols.
- SNYDER, DR. MONROE B (ENJAMIN), b. New York, N.Y., May 21, 33; m. 60; c. 2. PSYCHOLOGY. B.A. Florida, 54, M.A., 55; Ph.D.(psychol), Pa. State, 63. Jr. personnel technician, exams. div, N.Y. State Dept. Civil Serv, 55-56, personnel technician, 57, 58; sr. psychologist, HRB-Singer Inc, Singer Co, 58-63, sr. res. psychologist & mgr. mgt. info, 63-65; sr. res. scientist & prog. dir, Human Sci. Res, 65-68; MEM. PRIN. STAFF, OPERS. RES. INC, 68- Psychol. Asn; Soc. Info. Sci; Human Factors Soc. Systems test and evaluation; research methods, strategy and management; information systems; task and systems analysis; man in relation to his developing environment and newly recognized societal problems. Publ: Some behavioral aspects of test and evaluation, In: Electronic handling of information: testing and evaluation, Thompson, 67; An examination of methods used in a study of decision making, Am. Library Assn. Bull, 12/67; co-auth, Methodology for test and evaluation of document retrieval systems: a critical review and recommendations, Human Sci. Res, 1/66. Address: 1500 Northcrest, Silver Spring, Md. 20904.
- SNYDER, DR. MURRY A (BRAHAM), b. New York, N.Y., Feb. 17, 20; m. 46; c. 4. PSYCHOLOGY. A.B. City Col. New York, 42; M.A. N.Y. Univ, 50, Ph.D.(psychol), 55. Counsr, Old Farms Convalescent Hosp, Avon, Conn, 46; Vet. Admin, Hartford, Conn, 46-47; psychotherapist, Nat. Hosp. Speech Disorders, 47-62, supvr. dysphemia dept, 58-62; DIR, SPEECH REHAB. INST, 62- Private practice, 55- U.S.A., 42-46, Sgt. Psychol. Asn; Speech & Hearing Assn. Psychotherapy with the speech handicapped; psychotherapy, etiology and dynamics of stuttering; parent counseling; intricacies of individual and group therapeutic experience; projective testing. Publ: Stuttering and coordination, Logos; Etiologies of stuttering, In: Psychological and psychiatric aspects of speech and hearing; Evaluating the personality of the stutterer, In: Psychotherapy of stuttering. Address: 61 Irving Place, New York, N.Y. 10003.
- SNYDER, DR. PAUL WAYNE, b. Girardville, Pa, Apr. 13, 32; m. 62; c. 1. SOCIOLOGY, GEOGRAPHY. B.S. Fla. State, 58, M.S., 61; Ph.D.(sociol), Florida, 68. Instr. Sociol, Lamar State Col, 62-63; asst. prof. soc. studies, Miss State Col. Women, 65-66; ASSOC. PROF. SOCIOL. & HEAD DEPT, VALDOSTA STATE COL, 66- U.S.A.F., 49-53. Sociol. Soc. Social problems and deviancy. Publ: Social issues of today, Bruce, 68; On the superiority of women, Ladder, 1/67; Now let's sexually integrate the schools, N.Am. Rev, 5/67. Address: Dept. of Sociology, Valdosta State College, Valdosta, Ga. 31601.
- SNYDER, PROF. RICHARD C (ARLTON), b. Kingston, N.Y., Aug. 21, 18; m. 42. POLITICAL SCIENCE. A.B. Union Col.(N.Y.), 37; A.M. Columbia, 39, univ. fel, 39-40, Ph.D., 45. Instr. Columbia, 42-46, asst. to dean col, 43-46; asst. prof. polit. sci, Princeton, 46-50, assoc. prof, 50-55, mem. orgn. behav. proj, 50-54; prof. polit. sci, Northwestern, 55-60, Benjamin Franklin prof, 60-65, chmn. dept. polit. sci. & co-dir. prog. grad. training & res. int. rels, 57-65; PROF. POLIT. SCI. & ADMIN, CALIFORNIA, IRVINE, 65-, dean grad. sch. admin, 65-67. Fel, Center Adv. Study Behav. Sci, 56-57; vis. fel, Nat. Behav. Sci. Inst, 63-64; pres. fel, Northwestern, 63-64; vis. scholar, Russell Sage Found, 67-68. Consult, Ford Found; U.S. Off. Ed, 62. Ed. Pub. Opinion Quart, 50-53. Admin. secy. war & peace proj, Coun. For. Rel, 44-45; dir, For. Policy Anal. Proj; mem. adv. cmt. Proj. Michelson, Naval Ord. Test Sta; 59; bd. trustees, Soc. Sci. Found, Denver, 61; Calif. Statewide Soc. Sci. Study Cmt, 66-67. Polit. Sci. Asn.(v.pres, 66-68). Social and political decision-making; nature of political systems; foreign policy and international relations; relationship of behavioral sciences to political analysis. Publ: Co-auth, Roots of political behavior, Am. Book Co, 49; National and international decision-making, Inst. Int. Order, 61; Foreign policy decision-making, Macmillan, 62. Address: 500 Humanities-Social Science, University of California, Irvine, Calif. 92664.
- SNYDER, RICHARD G (ERALD), Phys. Anthropol, see 11th ed, Phys. & Biol. Vols.
- SNYDER, RICHARD M, Econ, see 10th ed, Soc. & Behav. Vols.
- SNYDER, DR. ROBERT E (MILE) J (AMES), b. Hillsboro, Ill, July 29, 22; m. 44; c. 2. MARKETING. B.A. Illinois, 44; M.A. Iowa, 47, Ph.D.(mkt), 64. Sales mgr, Radio Sta. KOKX, Iowa, 47; owner & manager, Radio Sta. KKIC, 47-51; Radio Sta. WKID, Ill, 51-54; sales mgr, KCRG-TV, Iowa, 54-55; instr. MKT, Iowa, 58-64, asst. prof, 64-65; ASSOC. PROF. ROOSEVELT, 65-, ACTING CHMN. DEPT, 68- Real estate broker, 55-66; Am. Asn. Advert. Agencies summer fel, Foote, Cone & Belding, 67. Sig. C, U.S.A., 42-46, 1st Lt. Mkt. Asn. Advertising; musical taste research related to radio station programming; developing relevant variables for predicting success of small market ultra high frequency television stations. Publ: A two group discriminant analysis to predict success for UHF television stations in the small market, page 139-142. Reflections on progress in marketing, Am. Mkt. Asn, 65. Address: 400 E. Randolph St, Apt. 3322, Chicago, Ill. 60601.
- SNYDER, DR. ROBERT WILLIAM, b. Wellsville, N.Y., Jan. 12, 32. LAND & RESOURCE ECONOMICS. B.S. Cornell, 53; M.S., 61, Ph.D.(agr. econ), 65; Alfred, 58. Exten. assoc. AGR. ECON, Cornell, 63; ASST. PROF, MINNESOTA, ST. PAUL, 65- U.S.A.F., 55-58, Capt. Agr. Econ. Asn. Non-agricultural use of rural land; farm non-farm land use conflicts; comprehensive planning; economic development of rural areas; local government; public administration and finance. Address: Dept. of Agricultural Economics, University of Minnesota, St. Paul, Minn. 55101.
- SNYDER, DR. RUSSELL ALLAN, b. Coffeen, Ill, Oct. 23, 30; m. 54; c. 2. ECONOMICS. A.B. Illinois, 52, M.A., 61, Ph.D.(econ), 64. Asst. instr. ECON, Illinois, 59-62; asst. prof, N.Dak. State, 62-66; ASSOC. PROF, NEBRASKA, OMAHA, 66- U.S.A., 52-57, Res, 57-, Maj. Econ. Asn. Social insurance systems; integration of public and private medical care payment programs; economics of manpower. Publ: Co-auth, The Omaha unemployment study: a proposal for further research, 5/67 & The Omaha unemployment feasibility study, 6/67 & auth, What to expect in Omaha: a review of the state of the art on technological displacement in Armour & Company; and criteria of success for the 1968 closing in Omaha, Nebraska, 2/68, Urban Studies Center, Univ. Omaha. Address: Dept. of Economics, University of Nebraska, Omaha, Nebr. 68101.
- SNYDER, DR. SALLY, b. Seattle, Wash, Apr. 28, 30. ANTHROPOLOGY. B.A. Washington, 51, Ph.D.(anthrop), 64. Res. asst. blood-grouping, Washington, 51-52, asst. anthrop, 52-54 & 56-57; res. asst. ethnog, 52-54; instr. anthrop, Portland State Col, 58; psychiat, La. State, 59-60; res. assoc, res. facility, Rockland State Hosp, 60-61; cultural anthropologist, Merrill-Palmer Inst, 61-66; ASSOC. PROF. ANTHROP, ALBERTA, 66- Consult, dept. spec. ed, Wayne State, 66- Prin. witness, Indian Land Claims Cases, 52- AAAS; fel. Anthropol. Asn; Folklore Soc. Skagit ethnology using folkloristic data; drug research of mental patients; Maltese ethnology; population genetics; American humor and character; interaction studies. Address: Dept. of Anthropology, University of Alberta, Edmonton, Alta, Can.
- SNYDER, THORN KNIGHT, b. Indianapolis, Ind, June 5, 19; m. 46; c. 3. INDUSTRIAL ECONOMICS & PSYCHOLOGY. B.S. Indiana, 47, fel, 47-49, A.M., 49; Purdue, 49-55. Instr. econ, Purdue, 49-55; sr. econ. analyst, ARABIAN AM. OIL CO, 55-59, petrol. economist, 59-61, staff economist, 62, assoc. economist, 62-65, CHIEF ECONOMIST, 65- Econ. Asn; Asn. Bus. Econ; Soc. Petrol. Eng. Economics of international petroleum industry; economics of Saudi Arabia; labor economics. Address: Arabian American Oil Co, Box 2601, Dhahran, Saudi Arabia.
- SNYDER, PROF. WARREN A (RTHUR), b. Spokane, Wash, Dec. 22, 18; m. 50; c. 1. ANTHROPOLOGY, LINGUISTICS. B.A. Washington (Seattle), 48, Ph.D.(anthrop), 57. Asst. prof. ANTHROP, SACRAMENTO STATE COL, 55-67, PROF. & CHMN. DEPT, 67- U.S.A.A.F., 42-45, Sgt. AAAS; Anthropol. Asn; Ethnol. Soc. Linguistic analyses of American Indian languages, especially the Salishan languages of Puget Sound. Address: 2730 Marquette Dr, Sacramento, Calif. 95826.

SNYDER, PROF. WILLIAM ULRICH, b. Shippensburg, Pa, July 10, 15; m. 43. PSYCHOLOGY. A.B. Gettysburg Col, 38; M.A. Duke, 38; Ph.D. (psychol), Ohio State, 43. Instr. psychol, Ohio State, 39-40, 41-42, sch. psychologist, 42-43, asst. prof. psychol, 44-45; jr. personnel technician, occup. sect, U.S. Employ. Serv, 40-41; dir. & psychologist, Des Moines Child Guid. Center, 43-44; asst. prof. psychol, Ohio State, 44-45; Pa. State, 45-47, assoc. prof, 47-52, Prof, 52-62, assoc. dir. psychol. clin, 45-56, dir, 56-62; PROF. PSYCHOL. & CHMN. DEPT. & DIR. CLIN. TRAINING, OHIO, 62- Consult, Vet. Admin, 48- Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn. Counseling; psychotherapy. Publ: The psychotherapy relationship; Dependency in psychotherapy, Macmillan, 63; Group report of a program of research in client-centered psychotherapy. Address: 214 Peach Ridge Rd, Route 3, Athens, Ohio 45701.

SNYGG, PROF. DONALD, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.

SOARES, DR. ANTHONY T(HOMAS), b. Fall River, Mass, Sept. 30, 23; m. 54; c. 2. EDUCATIONAL PSYCHOLOGY. B.S. Boston Col, 53, M.Ed. 54; Ed.D. (ed. psychol), Illinois, 62. Dir. guid. pub. schs, Mass, 54-56; instr. psychol. & dir. residence counseling, Eastern Illinois, 56-59; instr. ed. psychol. & child develop, Illinois, Urbana, 59-62; asst. prof. ed. psychol, Boston Col, 62-65; ASSOC. PROF. PSYCHOL, BRIDGEPORT, 65- Res. grant, 66-67. Summers vis. lectr, Eastern Illinois, 65 & Illinois, Urbana, 66. Consult, Voc. Rehab. & Coop. Ed. Proj, Bridgeport, Conn, 67- U.S.N. 43-45. AAAS; Psychol. Asn; Nat. Soc. Study Ed; Ed. Res. Asn. Self-perceptions of disadvantaged and non-disadvantaged children; adjustment and occupational choice. Publ: Co-auth, Self-description and adjustment correlates of occupational choice, J. Ed. Res, 9/68, Reverse identification: a new dimension in identification process, Ment. Hyg, 10/67 & Interest in recreational reading of junior high school students, J. Reading, 10/67. Address: Dept. of Psychology, University of Bridgeport, Bridgeport, Conn. 06602.

SOBEL, DR. IRVIN, b. Akron, Ohio, June 13, 17; m. 44; c. 2. ECONOMICS. B.S. Ohio State, 37, M.A. 48; M.A. Chicago, 48, Ph.D. 41. From asst. prof. to assoc. prof. ECON, Washington (St. Louis), 49-59, prof, 59-68; CHMN. DEPT. FLA. STATE, 68- Vis. prof, Northwestern, 52, 55; Hebrew Univ, 56-57; Ford fel, 56-57; vis. prof, Bologna, Italy, 58-59; Univ. Rome, 65-66. U.S.A.A.F. 42-46. Econ. Asn; Arbit. Asn; Acad. Arbit; Indust. Res. Asn. Minority groups in the economy; labor movements; labor market analysis. Publ: Small city job markets, Univ. Illinois, 58; Manpower policy and the older worker in OECD countries, Orgn. Econ. Coop. & Develop, 65; The junior college district of St. Louis-St. Louis County—a socio-economic profile, Washington Univ, 67 & Asn. Jr. Cols. (in press). Address: Dept. of Economics, Florida State University, Tallahassee, Fla. 32306.

SOBEL, DR. RAYMOND, b. Poughkeepsie, N.Y., Jan. 19, 17; m. 47; c. 4. CHILD PSYCHIATRY. A.B. Harvard, 37; M.D. N.Y. Univ, 41; dipl. psychoanal, William A. White Inst, 49; hon. M.A. Dartmouth Col, 66. Intern, Morristown City Hosp, New York, 41-42; chief resident, psychiat. inst, Grasslands Hosp, New York, 46-47; psychiat. div, Bellevue Hosp, New York, 47-48; res. fel. child psychiatrist, Jewish Bd. Guardians, 48-50, staff psychiatrist, 50-51; asst. attend. psychiatrist, N.Y. State Psychiat. Inst, New York, 53-60; assoc. prof. psychiat. & pediat. & head div. child psychiat, sch. med, Washington (Seattle), 60-64; PROF. PSYCHIAT, MED. SCH. & PSYCHIAT. DIR. STUDENT HEALTH SERV, DARTMOUTH COL, 64- Mem. faculty, William A. White Inst, 52-59; asst. clin. prof, col. physicians & surgeons, Columbia, 53-60; U.S. Pub. Health Serv. res. grant, 67. Chief psychiatrist, Hawthorne Cedar Knolls Sch, 51-53; psychoanalyst, & child psychiatrist, 49-60. Dipl. Nat. Bd. Med. Exam; dipl. psychiatrist & child psychiatrist, Am. Bd. Psychiat. & Neurol. Med.C. U.S.A. 42-45, Maj. Fel. Acad. Child Psychiat; fel. Orthopsychiat. Asn; fel. Psychiat. Asn; Acad. Psychoanal; Soc. Res. Child Develop; Psychol. Asn; Soc. Study Social Probs. Publ: Why patients are confused: a cross-discipline study of the expectations child psychotherapists have of their patients, Am. J. Orthopsychiat, 34: 316-317; co-auth, Repetitive poisoning in children: a psychosocial study, Pediatrics, 35: 641-651; auth, Special problems of late adolescence and college years, In: Frontiers of psychoanalysis, Basic Books, (in press). Address: Dept. of Child Psychiatry, Dartmouth College Medical School, Hanover, N.H. 03755.

SOBOL, DR. JOHN A(NDREW), b. Worcester, Mass, July 19, 20; m. 60. GEOGRAPHY. B.S.E. Mass. State Col. Fitchburg, 42; M.A. Clark, 49; Ph.D. Michigan, 61. ASST. PROF. GEOG, MEMPHIS STATE, 56- U.S.A.F. 42-46, 51-52, Capt. AAAS; Asn. Am. Geog; Geog. Soc; Coun. Geog. Ed. Latin American industrial development through more comprehensive utilization of economic, human and natural resources. Address: Dept. of Geography, Memphis State University, Memphis, Tenn. 38111.

SOBOTKA, DR. STEPHEN PAUL, b. Vienna, Austria, June 11, 26; nat; div; c. 2. ECONOMICS. Ph.B. Chicago, 48, A.M. 50, Ph.D. 52. Asst. dir. res. transportation center, Northwestern, 57-59; res. assoc. & assoc. prof, grad. sch. bus, Chicago, 59-61; sr. staff assoc, Arthur D. Little, Inc, 61-64; MGR. MKT. ECON. SHELL OIL CO, 64- U.S.A. 44-46, 1st Lt. Econ. Asn; Economet. Soc. Regional and transportation economic research. Publ: Economic value of United States Merchant Marine; Prices of used commercial aircraft, 1959-1965; Michigan's employment problem: the substitution against labor. Address: Shell Oil Co, 50 W. 50th St, New York, N.Y. 10021.

SOCAS, DR. ROBERTO E, b. New York, N.Y., Sept. 23, 29; m. 65; c. 1. POLITICAL SCIENCE. A.B. Columbia Col, 50; M.I.A. Columbia, 55, Ph.D. (int. rels), 65. Analyst. for. affairs, Legis. Reference Serv, Library Cong, 60-61; consult. Latin Am, Spec. Opera. Res. Off, 61; lectr. POLIT. SCI, City Col. New York, 62-64; ASST. PROF, FORDHAM, 64- U.S.N. 50-53, Res, 53-, Lt. Comdr. Polit. Sci. Asn. French naval doctrine and naval policy; United States defense policy; Latin American politics and regional integration. Publ: U.S. Naval Base, Guantanamo Bay, Cuba, Library Cong, 61; Contrib. U.S. Army Area Handbook on Colombia, Govt. Printing. Off, 61. Address: Dept. of Political Science, Fordham University, Rose Hill Campus, Bronx, N.Y. 10458.

SODDEN, DR. JACOB, b. Brooklyn, N.Y., July 3, 20; m. 45; c. 3. SOCIOLOGY. A.B. Brooklyn Col, 41; A.M. N.Y. Univ, 43, Ph.D. (sociol), 62. Instr. SO-

CIOL, Wash. Sq. Col, N.Y. Univ, 63-64, asst. prof, 66-67, lectr, univ. col, 64-65; ASST. PROF, Stern Col, Yeshiva, 65-66; C.W. POST COL, LONG ISLAND, 67- Sociol. Asn; Soc. Study Social Probs. Sociology of religion; urban transportation. Address: 3822 Sedgwick Ave, Bronx, N.Y. 10463.

SODERBERG, PROF. GEORGE A, Speech Path, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

SODERBERG, DR. MARGARET, b. Pontiac, Mich, Oct. 30, 32. POLITICAL SCIENCE. B.A. Marygrove Col, 54; M.S.L.S. Catholic Univ, 57; M.A. Wayne State, 60; Ph.D. (polit. sci), Washington (St. Louis), 63. Young adult librn, Detroit Pub. Library, 56-60; ASST. PROF. POLIT. SCI, EASTERN ILLINOIS, 62- Instr, Wayne State, 59-60; acting head reference dept, Hamtramck Pub. Library, 59-60; participant, U.S. Off. Ed. summer seminar, Chile, 67. Polit. Sci. Asn. Address: Dept. of Political Science, Eastern Illinois University, Charleston, Ill. 61920.

SOFEN, PROF. EDWARD, b. Brooklyn, N.Y., Oct. 5, 19; m. 52. POLITICAL SCIENCE. A.B. Brooklyn Col, 43; A.M. Columbia, 46, Ph.D. (govt), 63. Instr. POLIT. SCI, MIAMI (FLA), 47-49, asst. prof, 49-55, assoc. prof, 55-64, PROF, 64-, GRAD. FACULTY, 66-, MEM. CMT. MUNIC. RES, 54- Ford Found. res. team, 57-59; Nat. Center Ed. Polit. faculty fel, City of San Diego, 64-65. Summer consult, Prince George's County Govt. Study Cmn, 66. Polit. Sci. Asn; Soc. Pub. Admin; Acad. Polit. Sci. Trend towards the de-nationalization of civil liberties. Publ: The Miami metropolitan experiment, Indiana Univ, 63 & rev. ed, Doubleday, 66; Financial dilemma Miami-Dade style, Nat. Civic Rev, 4/62; Retreat at Warner Springs, Pub. Mgt, 8/65. Address: Dept. of Government, University of Miami, Coral Gables, Fla. 33124.

SOFFER, DR. BENSON, b. Rockaway Beach, N.Y., Sept. 6, 25. ECONOMICS. Ph.D. (econ), Princeton, 56. Labor economist, Wage Stabilization Bd, 51-52; R.R. & Airline Wage Bd, 52-53; res. asst, Brookings Inst, 55-58; asst. prof, Pittsburgh, 58-61; assoc. prof. indust, Pennsylvania, 61-63; ECONOMIST, Cmt. Econ. Develop, 63-66; U.S. DEPT. COMMERCE, 66- U.S.A. 44-46. Econ. Asn; Indust. Rels. Res. Asn. Labor-management relations; benefit-cost analyses of manpower and human resource programs; industrial economics. Publ: Theory of trade union development, Labor Hist; Effects of long term contracts on general wage movements, Quart. J. Econ; On union rivalries and the minimum differentiation of wage patterns, Rev. Econ. & Statist, 2/59. Address: 300 M St. S.W., Washington, D.C. 20024.

SOFFER, DR. L(EON), b. Philadelphia, Pa, July 4, 20; m. 58; c. 3. CLINICAL PSYCHOLOGY. B.S.S. City Col. New York, 48; M.S. Illinois, 50, Ph.D. (clin. psychol), 56. Staff psychologist, Kankakee State Hosp, Ill, 49-52; psychol. trainee, Vet. Admin. Hosps, Danville & Chicago, 52-55; supv. psychologist, Chicago State Hosp, 55-56; clin. psychologist, Vet. Admin. Hosp, Downey, 56-58; supv. psychologist, ment. hyg. clin, Vet. Admin. Regional Off, Phila, Pa, 58-61, clin. psychologist, day center, 61-64; admin. dir, Drenk Mem. Guid. Center, Mt. Holly, N.J. 64-68; DEP. HEALTH CMNR, OFF. MENT. HEALTH & MENT. RETARDATION, CITY OF PHILA, Pa, 68- Consult, Camden County Psychiat. Hosp, Lakeland, N.J. 61-68; dept. oral med, sch. dent, Pennsylvania, 65-67. Sig.C. U.S.A. 42-45. Psychol. Asn. Personality dynamics; projective techniques; individual and group psychotherapy. Address: 305 Walnut Place, Havertown, Pa. 19083.

SOFFER, DR. REBA NUSBAUM, Mod. European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SOHLER, DR. KATHERINE B(EATRICE) BERRIDGE, b. Cambridge, Mass, May 31, 19; wid; c. 2. EPIDEMIOLOGY. B.A. Radcliffe Col, 41; M.A. Yale, 43, Jr. Sterling fel, 47-48, Ph.D. (int. rels), 50, M.P.H. 61, Dr.P.H. 66. Asst. int. rels, Yale, 42-47, res. asst. pub. health, 56-60; field off. dir, Res. Found. Ment. Hyg. Inc, 61-63; res. assoc. epidemiol, Yale, 66-67; STUDY DIR, MENDOCINO STATE HOSP, CALIF. STATE DEPT. MENT. HYG, 67- Res. assoc, Columbia, 61-63. AAAS; Pub. Health Asn; Statist. Asn. Epidemiology; mental illness; evaluation studies. Address: P.O. Box 466, Talmage, Calif. 95481.

SOKA, PROF. GEORGE R, b. Chicago, Ill, June 7, 18. PSYCHOLOGY. B.A. Birmingham-South. Col, 48; M.A. Peabody Col, 50, Ph.D. 53. Asst. prof. psychol, Memphis State, 52-57; acting chief dept, Ment. Health Inst, Iowa, 57-58; PROF. PSYCHOL. & CHMN. DEPT, WIS. STATE, OSHKOSH, 59- U.S.A. 53-56, Sgt. Psychol. Asn. Learning theory; projective techniques. Address: Dept. of Psychology, Wisconsin State University, Oshkosh, Wis. 54901.

SOJA, DR. EDWARD WILLIAM, b. New York, N.Y., May 4, 40; m. 65; c. 1. GEOGRAPHY. B.A. Hunter Col, 60; M.S. Wisconsin, 61; Ph.D. (geog), Syracuse, 66. Instr. GEOG, Syracuse, 65; ASST. PROF, NORTHWESTERN, 65- Vis. lectr, Ibadan, 67-68. Co-prin. investr, curriculum develop. African studies, U.S. Off. Ed, 67-68. Geog. Soc; Asn. Am. Geog; African Studies Asn. African studies; geographical perspectives in African modernization and political integration; communications as spatial interaction; perception of space; distance and environment. Publ: Geography of modernization in Kenya, Syracuse, 68; auth. & ed, Urban geography in Africa, African Urban Notes, 67; Communications and territorial integration in East Africa: an introduction for transaction flow analysis, E. Lakes Geogr, 68. Address: Dept. of Geography, Northwestern University, Evanston, Ill. 60201.

SOKOL, DR. ROBERT, b. New York, N.Y., May 26, 26; m. 51; c. 3. SOCIOLOGY. A.B. Long Island, 49; Princeton, 49-50; Ph.D. Columbia, 61. Asst. Harvard, 53-56; instr. & asst. prof, Tufts, 56-61; asst. prof. SOCIOLOGY, DARTMOUTH COL, 61-65, ASSOC. PROF, 66-, asst. prof. psychiat, Dartmouth Med. Sch, 61-63. Sociol. Asn; Pop. Asn. Social stratification; mass communications; political sociology; population. Publ: Co-auth, Emotional adjustment, social organization and psychiatric treatment rates, Am. Sociol. Rev, 8/65; auth, Power orientation and McCarthyism, Am. J. Sociol, 1/68; Research exercises for introductory sociology: the data card technique, Am. Sociologist, 68. Address: Dept. of Sociology, Dartmouth College, Hanover, N.H. 03755.

- SOKOLNICKI, PROF. ALFRED JOHN**, b. Milwaukee, Wis, May 21, 18; m. 51. **SPEECH PATHOLOGY**. Ph.B. Marquette, 42, M.A. 47; summer, Southern California, 47; Wisconsin, 49-50; L.H.D. Alliance Col, 61. Instr. **SPEECH THER.** SCH. **SPEECH, MARQUETTE**, 45-53, asst. prof, 53-58, assoc. prof, 58-62, PROF, 62-, MEM. FACULTY, GRAD. SCH, 47- Summers vis. lectr, spec. workshop speech ther, Catholic Univ, 56 & spec. workshop speech probs, DePaul, 58. A.U.S. 42-45, M/Sgt. Acad. Aphasia; Am. Speech & Hearing Assn; Speech Assn; Am. Int. Assn. Logopedics & Phoniatrics. Speech therapy; aphasia; phonetics; teaching of English as a second language; diagnostic evaluations of speech defects; terminology in speech pathology. Publ: The training of speech and hearing clinicians, Bull. Nat. Cath. Ed. Assn, 8/60; Therapeutic considerations in speech correction—aphasia, J. Wis. Speech & Hearing Assn, summer 64; Speech and the aphasic child, Cath. Educator, 5-6/65. Address: School of Speech, Marquette University, 625 N. 15th St, Milwaukee, Wis. 53233.
- SOKOLSKI, DR. ALAN**, b. New York, N.Y. Jan. 5, 31; m. 56; c. 2. **ECONOMICS**. B.M.E. Cornell, 53; M.B.A. Columbia, 59, univ. study awards, 59-61, Eastman Kodak fel, 61, Ph.D.(econ), 62; Eastman Kodak fel. & Carnegie travel grant, Nigeria, 61. Engr. West. Union Tel. Co, New York, 53-54; asst. proj. adminstr, Hazeltine Electronics Corp, N.Y., 56-57; proj. eng, Foster Wheeler Corp, 57-59; economist African econ. affairs, bd. gov. Fed. Reserve Syst, 62-63; asst. prog. economist, Agency Int. Develop, Nigeria, 63-65; SR. **ECONOMIST AFRICAN ECON. AFFAIRS**, U.S. DEPT. STATE, 65- Summer mkt. intern pharmaceutical, Chas. Pfizer & Co, N.Y., 60; lectr, for. serv. inst, U.S. Dept. State, 63-; prof. lectr, Catholic Univ, 67-; Carnegie travel grant, Nigeria. U.S.A.F. 54-56, Res, 56-, Maj. Econ. Assn; fel. African Studies Assn. Major economic developments in or closely related to Africa; analysis of politico-socio-economic problems of Africa. Publ: The establishment of manufacturing in Nigeria, Praeger, 65. Address: 915 Hyde Rd, Silver Spring, Md. 20902.
- SOLARZ, DR. ANDREW K(ASMER)**, b. Cleveland, Ohio, Feb. 24, 26; m. 54; c. 2. **PSYCHOLOGY**. A.B. Ohio, 50; fel, Illinois, 51-54, Ph.D.(psychol), 55. Res. psychologist, Tyndall Air Force Base, 54-55; chmn. dept. psychol, Rockford Col, 55-58; asst. prof, California, Davis, 58-66, res. psychologist, radiobiol. proj, sch. vet. med, 60-66; asst. chief res. grants, div. accident prev, DEPT. HEALTH, ED. & WELFARE, 66-67, HEALTH SCIENTIST ADMINSTR, HEALTH SERV. & MENT. HEALTH ADMIN, 67- Guest scholar, center adv. study, Brookings Inst, 64-65. U.S.A. 44-46, Sgt. AAAS; Psychol. Assn. Comparative and physiological psychology; integrative principles of behavior; interdisciplinary communication; application of psychological principles and methods to social and political thought; research on health needs and services. Publ: Effects of hydration on the running and drinking performance of thirsty rats, J. Comp. & Physiol. Psychol; Perceived activity in semantic atlas words as indicated by a tapping response, Perceptual & Motor Skills, 63; Classification of emotional responses and their relation to dominance-submission in adult Beagle dyads, Psychol. Reports, 65. Address: 3703 Whispering Lane, Falls Church, Va. 22041.
- SOLBERG, DR. ERLING D**, b. Kvinesdal, Norway, Dec. 20, 02; nat. **AGRICULTURAL ECONOMICS**. B.B.A. Washington (Seattle), 34, B.L. 36; D.J.S. Wisconsin, 53. Dep. prosecuting attorney, King County, Wash, 38; soc. sci. analyst, div. land econ, bur. agr. econ, U.S. DEPT. AGR, 39-41, AGR. **ECONOMIST**, 41-51, farm econ. res. div, ECON. RES. SERV, 51-60, farm econ. div, 61-65, NAT. RESOURCE ECON. DIV, 65- Lectr, Minnesota, 61. Mem. panel roadside control, White House Conf. Nat. Beauty, 65. Superior serv. award, U.S. Dept. Agr, 64. Agr. Econ. Assn; Soc. Planning Off; Inst. Planners; Soil Conserv. Soc. Legal-economic research pertaining to farm tenancy and group measures for influencing land use, especially forest resource laws, rural planning-zoning laws, ordinances and related techniques. Publ: New laws for new forests: Why and how of rural zoning, U.S. Dept. Agr. Info. Bull; Legal aspects of farm tenancy in Texas, Agr. Exp. Sta. Bull, Texas. Address: U.S. Dept. of Agriculture, Economic Research Service, Washington, D.C. 20250.
- SOLBERG, DR. KRISTEN**, b. Turner Co, S.Dak, Apr. 13, 17; m. 44; c. 3. **PSYCHOLOGY**. B.A. Augustana Col, 42; Ed.M. South Dakota, 50; Ed.D.(ed. psychol), Wyoming, 53. Prof. psychol. & ed. & dean students, Pacific Lutheran, 53-64, dir. summer session, 55; asst. dir. Wash. Cmt. Ment. Health & Retardation, 64-65; **PSYCHOLOGIST, VET. ADMIN. HOSP. AMERICAN LAKE**, 65- U.S.N.R., 42-46. Psychol. Assn; Personnel & Guid. Assn. Group and individual psychotherapy; evaluation. Address: 870 S. 121st St, Tacoma, Wash. 98444.
- SOLDOSKY, PROF. ROBERT M(ELVIN)**, b. St. Louis, Mo, Aug. 12, 20; m. 47; c. 2. **ECONOMICS, FINANCE**. B.S.C. St. Louis, 42; M.A. Washington (St. Louis), 48, Ph.D.(econ. & finance), 53; Harvard, 50; Chicago, 51. Instr. bus. admin, Arkansas, 48-51; from asst. prof. to PROF. **FINANCE, IOWA**, 54- Summers, vis. prof, California, Los Angeles, 60; Morgan Guaranty fel, 65. U.S.A. 42-46, Res, 46-67, Lt. Col. Business finance; capital markets; investments; risk premiums on securities. Publ: Lectures in financial management; Growth yields on a common stock: theory and tables; College and university retirement programs. Address: College of Business Administration, University of Iowa, Iowa City, Iowa 52240.
- SOLDWEDEL, DR. BETTE J(EAN)**, Ed. Psychol, see 10th ed, Soc. & Behav. Vols.
- SOLECKI, PROF. RALPH S(TEFAN)**, b. Brooklyn, N.Y., Oct. 15, 17; m. 55. **ANTHROPOLOGY**. B.S. City Col. New York, 42; M.A. Columbia, 49, Ph.D., 58. Archaeologist, river basin surveys, Bur. Am. Ethnol, Smithsonian Inst, 48-54, collab. archaeol, 54-57, assoc. curator, U.S. Nat. Mus, 57-59; asst. prof. ANTHROP. COLUMBIA, 59-61, assoc. prof, 61-65, PROF, 65-, asst, 54-55. Fulbright res. scholar, 52-53. Consult, UNESCO, 59. Anthropol. Assn; Soc. Am. Archaeol. Archaeology; physical anthropology; early man. Address: Dept. of Anthropology, Columbia University, New York, N.Y. 10027.
- SOLEMAN, PROF. ALLEN R(ALPH)**, b. Minn, July 5, 13. **PSYCHOLOGY**. B.A. Minnesota, 36; M.A. Wayne, 48; fel, Michigan, 49-52, Ph.D., 53. Training specialist, U.S. Civil Serv. Cmn, 42, assoc. dir. admin. intern prog, 46-47; advisement & guid. officer, Vet. Admin. Cent. Off, 47; jr. instr. psychol, Michigan, 49-52; vis. assoc. prof, 59-60; asst. prof. & dir. bur. indust. psychol, servs, N.C. State Col, 53-56; assoc. prof. psychol, Maryland, 56-59; PROF. MGT. PSYCHOL, SCH. BUS. ADMIN, Rochester, 60-62; MINNESOTA, MINNEAPOLIS, 62- Lectr, center adv. study orgn. sci, Wisconsin, 60-; sch. bus. admin, Michigan, 62- Consult, Internal Revenue Serv, 56-62; Fed. Aviation Agency, 60-; U.S. Dept. Interior, 60- U.S.A. 42-46. AAAS; Psychol. Assn. Interpersonal relations in work groups; leadership in relation to small group functioning; individual and group problem solving; methodology in executive education; intrinsic work incentives. Publ: Co-auth, Supervisory and executive development; auth, Role playing in management education, Wayne State, 68; co-auth, Contribution of the discussion leader to the quality of group thinking, Human Rel. Address: School of Business Administration, University of Minnesota, Minneapolis, Minn. 55414.
- SOLES, DR. STANLEY**, U.S. citizen; m; c. 2. **EDUCATIONAL SOCIOLOGY, SOCIAL PSYCHOLOGY**. B.A. Southern California, 50; M.A. Stanford, 52, Ed.D.(ed. sociol), 59. Head dept. soc. studies, high sch, Calif, 51-56; asst. prof. ed. sociol. & philos. of ed, San Francisco State Col, 58-63, assoc. prof, 63-68; dir, Urban Training Center Community Action for San Francisco Bay Area, 67-68; ASST. DIR. COMMUNITY RELS, CENTER URBAN ED, 68- Summer vis. prof, West. Wash. State Col, 59, Nat. Defense Ed. Act Inst, 65; dir. regional community action training, San Francisco Bay Area, 65-67. Consult, Community Surv. Mission Dist. San Francisco, Mission Neighborhood Centers, Inc; Dist. Comm. Syst. Oakland, 63-65; Rutgers, 65; San Francisco Econ. Opportunity Coun, 65. Mem. bd, Mission Neighborhood Centers, Youth Br, 59-65; San Francisco Soc. Psychiat. Seminar Inc, 63-64; chmn, San Francisco New Careerist Conf. Cmt. & reporter of curriculum plan for non-prfnls, Off. Econ. Opportunity, D.C., 66; mem, Mayor's Task Force New Careers in San Francisco, 66-67; panel mem, Nat. Conf. Urban Training Centers, Detroit & resource person in mgt. systs, Off. Econ. Opportunity, D.C., 67; New Careers, panel mem, Nat. Assn. Community Develop. & Nat. Conf. Anti-Poverty Agencies, Columbia, 68. U.S.A.A.F. 43-45. Sociol. Assn; Ed. Res. Assn; Philos. Ed. Soc; Int. Soc. Community Develop. Role and career development; social psychological problems and issues in education; urban education; community development and new approaches to education. Publ: Social forces affecting education, Rev. Ed. Res, 6/60; Role expectations and internal organization of secondary schools, J. Ed. Psychol, 1/61; Educational quackery external to schools, Phi Delta Kappan, 3/64. Address: Center for Urban Education, 105 Madison Ave, New York, N.Y. 10016.
- SOLHEIM, DR. WILHELM G(ERHARD)**, II, b. Champaign, Ill, Nov. 19, 24; m. 47, 63; c. 5. **ANTHROPOLOGY, ARCHAEOLOGY**. B.A. Wyoming, 47; M.A. California, 49; Philippines, 49-52; Ariz. State Mus. fel, Arizona, 54-55, Ph.D.(anthrop), 59. Lectr. anthrop, Univ. of the East, Manila, 50-52; prov. pub. affairs officer, U.S. Infor Serv, Philippines, 53-54; asst. prof. anthrop. & archaeol, Fla. State, 60-61; ANTHROP, HAWAII, 61-64, assoc. prof, 64-67, PROF, 67- Res. assoc. mus. & inst. archaeol. & ethnol, Philippines, 49-54; Fulbright sr. fel, Sarawak Mus, Borneo, 58-59; specialist, Am. Specialist Prog, Malaya, 60; Nat. Sci. Found. grant archaeol. salvage in north-east. Thailand, 63-66; Nat. Endowment Humanities sr. fel, 67-68. Mem, Southeast Asian Develop. Adv. Group, 66- U.S.A.A.F. 43-46, Capt. Fel. AAAS; Anthropol. Assn; Polynesian Soc; Far-East. Prehist. Assn.(exec. secy. & ed, Asian Perspectives, 57-); fel, Philippine Assn. Adv. Res. Prehistoric archaeology of Southeast Asia, especially Late Neolithic to beginning of history; prehistoric and present day pottery. Publ: Sa-huynh pottery relationships in Southeast Asia, Asian Perspectives; The archaeology of central Philippines: a study chiefly of the iron age and its relationships, monograph 10, Nat. Inst. Sci. & Tech, Manila, 64; Southeast Asia and the West, Science, 67. Address: Dept. of Anthropology, 2550 Campus Rd, University of Hawaii, Honolulu, Hawaii 96822.
- SOLIDAY, DR. STANLEY M(ILTON)**, b. Logan, Ohio, Apr. 23, 29. **EXPERIMENTAL PSYCHOLOGY**. B.Sc. Ohio State, 52, M.A., 58, Nat. Insts. Health fel, 59-61, Ph.D.(psychophysiol), 62. Res. psychologist, Battelle Mem. Inst, Ohio, 61-62; res. specialist human factors, N.Am. Aviation, Inc, 62; ASSOC. PROF. PSYCHOL, LAMAR STATE COL, 67- Med.Serv.C, U.S.A., 53-55. AAAS; Psychol. Assn; Human Factors Soc. Man-machine relationships; neuropsychology; avoidance learning. Publ: A simulator investigation of pilot performance during extended periods of low altitude-high speed flight, NASA, 64; Effects of task loading on operator performance during low-altitude high-speed flight, U.S. Army Transportation Res. Command, 65; Simulation of low altitude high speed mission performance, U.S. Air Force Systs. Command, 67. Address: 1945 21st St, Beaumont, Tex. 77706.
- SOLIE, DR. RICHARD JOHN**, b. Barron, Wis, Sept. 19, 33; m. 54; c. 3. **ECONOMICS, INDUSTRIAL RELATIONS**. B.S. Wis. State, Superior, 55; Nat. Defense Ed. Act. fel, Tennessee, 61-64, Ph.D.(econ), 65. Sales mgr, Beneficial Standard Life Ins. Co, 55-60; teacher, high sch, Mont, 60-61; asst. prof. ECON, Centre Col, 64-66; ASSOC. PROF. NORTH DAKOTA, 66- Econ. Assn; Indust. Rels. Res. Assn. Vocational training of unemployed workers; geographical mobility of labor; manpower planning. Publ: The employment effects of retraining the unemployed, Indust. & Labor Rels. Rev, 1/68; chap, In, Retraining the unemployed, Univ. Wisconsin, 68. Address: AFIT Minuteman School, University of North Dakota, Minot, AFB, N. Dak. 58701.
- SOLKOFF, DR. NORMAN**, b. Brooklyn, N.Y., May 14, 33. **EXPERIMENTAL & CLINICAL PSYCHOLOGY**. B.A. Brooklyn Col, 54; M.A. & Ph.D. Iowa, 57. Clin. psychol. trainee, Vet. Admin. Hosp, 54-56; intern & U.S. Pub. Health Serv. clin. psychologist, State Hosp, Conn, 57-58; asst. prof. PSYCHOL, Wisconsin, 58-62; ASSOC. PROF. STATE UNIV. N.Y. BUFFALO, 62- Clin. psychologist, County Hosp, Milwaukee, Wis, 58-; res. grants, Buffalo Children's Hosp, 65-67 & United Health Found. West. N.Y., 66-67; gen. res. support, State Univ. N.Y. Consult, Niagara Falls Coun. Soc. Agencies, 63-65. AAAS; Psychol. Assn. Race of examiner as a variable in research with children; early experiences and subsequent development of premature infants; curiosity behavior in children. Publ: Effects of frustration on perceptual motor performance, Child Develop, 64; Frustration and perceptual motor performance in institutionalized delinquent and non-delinquent boys, Int. J. Soc. Psychiat, 65;

Personality characteristics of medical and law students, *J. Med. Ed.* 67. Address: Dept. of Psychiatry, State University of New York, Buffalo, N.Y. 14221.

SOLLENBERGER, PROF. I(SAAC) J(ACOB), Finance, see 10th ed, Soc. & Behav. Vols.

SOLLENBERGER, PROF. RICHARD T(ALBOT), b. Baltimore, Md, Feb. 1, 07; m. 33; c. 2. PSYCHOLOGY. B.A. Virginia, 30, M.S. 33, Ph.D.(psychol.) 36. Clin. psychologist, univ. hosp. Virginia, 33-36; from asst. to instr., Yale 36-40; asst. prof. psychol. MT. HOLYOKE COL., 40-42, from assoc. prof. psychol. to PROF. PSYCHOL. & ED., 46-, chmn. dept. psychol., 46-48. U.S.A.A.F., 42-46, Lt. Col. Psychol. Asn. Adolescent behavior and personality; frustration and aggression. Address: Dept. of Psychology & Education, Mt. Holyoke College, South Hadley, Mass. 01075.

SOLLEY, PROF. CHARLES M(ARION), JR., b. Ashdown, Ark., Jan. 18, 25; m. 47; c. 2. PSYCHOLOGY. B.A., Centenary Col., 49; M.S., Tulane, 51; Ph.D. (psychol.), Illinois, 54. Asst. training res. lab., Illinois, 51-54, Ford fel. exp. personality, 54-55; U.S. Pub. Health Serv. fel. clin. res., Menninger Found., 55-56, co-dir. perceptual learning proj., 56-58; assoc. prof. PSYCHOL., WAYNE STATE, 58-63, PROF. 63. U.S.A., 43-45. Psychol. Asn. Perception; concept formation; problem solving. Publ: Co-auth., Development of the perceptual world, Basic Books, 60 & Men, management, and mental health, Harvard, 63. Address: Dept. of Psychology, Wayne State University, 474 W. Warren Ave., Detroit, Mich. 48202.

SOLLIE, DR. CARLTON R(AYMOND), SR., b. Sidon, Miss., Sept. 22, 24; m. 47; c. 3. SOCIOLOGY. B.A., Millsaps Col., 59; M.A., Miss. State, 60, Ph.D.(sociol.), 63. Asst. sociologist, MISS. STATE, 62-64, asst. prof. SOCIOL., 64-65, ASSOC. PROF., 65-, LEADER RURAL SOCIOL. & COMMUNITY ORGN., COOP. EXTEN. SERV., 62- Vis. prof., Garrett Theol. Sem., summer 66. U.S.A.F., 43-46, Sgt. Rural Sociol. Soc. Land tenure characteristics of northeast Mississippi; analysis of structural aspects of poverty in rural areas. Publ: Adoption of recommended forestry practices, Miss. State Univ. Agr. Exp. Sta., 66; Doing things the community way, Miss. State Univ. Extens. Serv., 66; Reputational techniques for leadership identification, Rural Sociol., 65. Address: Dept. of Sociology & Anthropology, Mississippi State University, State College, Miss. 39762.

SOLNIT, DR. ALBERT J(AY), b. Los Angeles, Calif., Aug. 26, 19; m. 49; c. 4. PSYCHIATRY, PEDIATRICS. B.A., California, 40, M.D., 43; N.Y. Psychoanal. Inst., 55; hon. M.A., Yale, 64. Intern., Long Island Col. Hosp., 44, asst. res. pediat., 44-45; res., San Francisco Hosp., 47-48; asst. res. psychiat., sch. med., YALE, 48-49, sr. res., 49-50, fel. child psychiat., child study center, 50-52, instr. psychiat. & pediat., SCH. MED., 52-53, asst. prof., 53-60, assoc. prof., 60-64, PROF. PSYCHIAT. & PEDIAT. & CHIEF PSYCHIATRIST, 64-, DIR. CHILD STUDY CENTER, 66- Spec. consult., children's bur., U.S. Dept. Health, Ed. & Welfare, 67- Mem. Cmt. to Estab. Child Anal. Sect. in Am., 63-; task force V, Joint Cmn. Ment. Health Children, 66-68. U.S.A.F., 45-47. Psychoanal. Asn; fel. Psychiat. Asn; Acad. Child Psychiat.; Acad. Pediat. Psychoanalytic studies of child development; psychiatric studies of children in crises. Publ: Co-auth., Modern perspectives in child development, Int. Univs, 63 & Learning with teachers, In: Children, U.S. Children's Bur., 67; auth., The psychiatric council: applied psychiatry in an anti-poverty program, Am. J. Orthopsychiat., 4/67. Address: Child Study Center, Yale University, 333 Cedar St., New Haven, Conn. 06510.

SOLO, PROF. ROBERT A(LEXANDER), b. Philadelphia, Pa., Aug. 2, 16; m. 57; c. 1. ECONOMICS. B.S., Harvard, 38; M.A., American Univ., 41; Ph.D. (econ.), Cornell, 52. Economist, U.S. Dept. Commerce, 39-40; War Prod. Bd., 40; asst. to head, Combined Raw Materials Bd., 40-41; from instr. to asst. prof. econ., Rutgers, 52-55; vis. prof., McGill, 55-56; asst. prof., City Col. New York, 57-59; econ. consult., Econ. Develop. Admin., P.R., 59-61; proj. dir., civilian appln. results mil. res. & develop. proj., Nat. Planning Assn., 61-63; consult. sci. & ed. Orgn. Econ. Coop. & Develop., France, 63-64; vis. lectr. econ. develop., Sorbonne, 64-65; res. assoc. sci. & develop. off. for. secy., Nat. Acad. Sci., 65; res. econ. economist, Princeton, 65-66; PROF. ECON. & MGT. & DIR. INST. INT. BUS. & ECON. DEVELOP. STUDIES, MICH. STATE, 66- Vis. lectr., Emory; New Sch. Soc. Res.; Buffalo; Michigan. Consult. submt., U.S. Senate Cmt. of Judiciary on Patents, Trademarks & Copyrights; consult. to adminstr., NASA, 65-67. McKinsey Found. award, 62. U.S.N., 42-45, Lt. Econ. Asn; Econ. Hist. Asn; Asn. Evolutionary Econ; P.R. Acad. Arts & Sci. Economics of scientific research and development; development of backward areas; comparative economic systems; antitrust; philosophical basis of economics. Publ: Economics and the public interest; Synthetic rubber: a case study in technological development under government direction; Economic organizations and social systems, Bobbs, 67. Address: Institute of International Business & Economic Development Studies, Michigan State University, East Lansing, Mich. 48823.

SOLOMON, DR. ARTHUR LEWIS, Speech Pathol., Human Rel., see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

SOLOMON, DR. DANIEL, b. Chicago, Ill., May 11, 33; m. 63; c. 1. SOCIAL PSYCHOLOGY. B.A., Antioch Col., 56; M.A., Michigan, 56; Ph.D.(soc. psychol.), 60. Res. assoc. adult ed., Center Study Liberal Ed. Adults, 59-63; SR. RES. ASSOC. CHILD DEVELOP., INST. JUVENILE RES., 63- Psychol. Asn; Soc. Res. Child Develop; Sociol. Asn. Development of linguistic and social abilities, and achievement dispositions in children; teachers' and parents' teaching styles and their effects. Publ: Co-auth., Teacher behavior and student learning, *J. Ed. Psychol.* 64; auth., Teacher behavior dimensions, course characteristics, and student evaluations of teachers, *Am. Ed. Res. J.* 66 & The generality of children's achievement-related behavior, *J. Genetic Psychol.* 68. Address: Institute for Juvenile Research, 232 E. Ohio St., Chicago, Ill. 60611.

SOLOMON, DARWIN D(ALE), b. Carllie, Wyo., Aug. 11, 19; m. 50; c. 2. RURAL SOCIOLOGY. B.S., Wyoming, 43; Russell-Sage scholar, Cornell, 50, M.A., 51, Dennison fel., 54-55. Rice prod. asst. & agr. exten. specialist, Spec. Tech. & Econ. Mission, Thailand, 51-53; res. & teaching asst., Cornell,

53-54, instr. rural sociol. exten., 55-56; exten. rural sociologist, Maryland, 56-58; chief training officer, Center Community Studies, Sask., 58-60, admin. asst. prog. resources, 60-62; tech. officer, spec. fund proj., FOOD & AGR. ORGN., UN, 62-64, UNICEF, 64-68, RURAL INSTS. OFFICER, 68-, group leader, interne prog., Geneva, Switz., 66. Sociol. Asn; Rural Sociol. Soc; Soc. Appl. Anthropol.; Adult. Ed. Asn; Acad. Polit. & Soc. Sci.; Can. Asn. Adult Ed; Agr. Econ. Asn; European Soc. Rural Sociol. Social change; community development; sociological factors in adult education; organizational arrangements for area development, especially the roles of agency representatives in change. Publ: Value factors in migration; Problems in community development, a projection of problems and needs in research by social scientists, *Rural Sociol. Soc. J.*; co-auth., Survey and assessment of the role of agricultural extension in comprehensive resource development, In: Resources for tomorrow. Address: Food & Agriculture Organization, Via Delle Terme Di Caracalla, Rome, Italy.

SOLOMON, DR. DAVID N(ATHAN), b. Montreal, Que., May 5, 17; m. 46; c. 2. SOCIOLOGY. B.A., McGill, 39, M.A., 42; Ph.D.(sociol.), Chicago, 52. Statistician, Dom. Bur. Statist., Can., 46; instr. statist., Chicago, 48-49; defense res. sci. officer, Defence Res. Bd., Can., 49-56; asst. prof. SOCIOL., MCGILL, 56-61, ASSOC. PROF., 61- Can. Army, 42-46, Res., 48-, Capt. AAAS; fel. Sociol. Asn; Soc. Appl. Anthropol.; Can. Sociol. & Anthropol. Asn. Occupations; professions, including studies of Chicago physicians in private practice; complex organizations; Canadian Army recruits; scientists in industry. Publ: Sociological research in a military organization, *Can. J. Polit. Sci.*; Professional persons in bureaucratic organizations, Ethnic and class differences among hospitals as contingencies in medical careers, *Am. J. Sociol.* Address: Dept. of Sociology & Anthropology, McGill University, Montreal, Que., Can.

SOLOMON, E(DWARD) C(RAWFORD), b. Clarksdale, Miss., Mar. 23, 09; m. 35; c. 1. SOCIOLOGY. B.S., Ga. Sch. Tech., 33; fel., Peabody Col., 39-40, M.A., 40; fel., Vanderbilt, 40-42; summer, Chicago, 41, Rosenwald Fund fel., 41-42. Pres., Dodd Col., 37-39; dir. field work, Sarah Lawrence Col., 45-64; EXEC. DIR., MORNINGSIDES HEIGHTS, INC., 64- U.S. Maritime Serv., 42-45, Lt.(jg). Sociol. Asn. Inter-group relations. Address: 54 Morningside Dr., New York, N.Y. 10025.

SOLOMON, DR. ELINOR HARRIS, b. Brookline, Mass., Feb. 26, 23; m. 57; c. 3. ECONOMICS, FINANCE. A.B., Mt. Holyoke Col., 44; A.M., Harvard, 45, Ph.D.(econ.), 48. Res. asst. econ., Boston Fed. Reserve Bd., 45-49; financial economist, bd. gov. Fed. Reserve Syst., 49-56; int. economist, U.S. Dept. State, 56-58; prof. lectr. money & banking, American Univ., 65-67; CONSULT. BANKING, U.S. DEPT. JUSTICE, 66-, antitrust div., 61-62. Financial & econ. consult., 60- Publ: Money demand and the interest rate level, *Quart. J. Econ.*, spring, 51; co-auth., Bank mergers in the United States, 11/67 & Savings flows and financial institutions, 6/68, *El Resparmio*. Address: 6805 Delaware St., Chevy Chase, Md. 20015.

SOLOMON, PROF. EZRA, b. Rangoon, Burma, Mar. 20, 20; nat; m. 49. ECONOMICIS. B.A., Rangoon, 40; Ph.D.(finance), Chicago, 50. Instr. bus., Chicago, 49-50, asst. prof. FINANCE, 50-54, assoc. prof., 54-56, prof., 57-61; prof. & dir. int. center for adv. mgt. ed., STANFORD, 61-64, DEAN WITTER PROF., 65- Vis. prof., Mass. Inst. Tech., 60. Consult., U.S. Senate Currency & Banking Cmt; Govt. Man., Can; Am. Inst. Cert. Pub. Acct., 66- Ed. *J. Bus.* 53-57. R.N.R., 42-47, Lt. Econ. Asn; Finance Asn. Monetary economics; finance; business forecasting. Publ: Money and banking; ed., Management of corporate capital; auth., The theory of financial management, Columbia, 63. Address: Graduate School of Business, Stanford University, Stanford, Calif. 94305.

SOLOMON, DR. HENRY, b. New York, N.Y., Nov. 28, 26. MATHEMATICAL ECONOMICS. B.A., Brooklyn Col., 49; M.A., N.Y. Univ., 50, Ph.D., 60. Res. assoc. logistics & math. econ., George Washington, 50-57, sr. scientist, 57-58, sr. staff scientist & dep. prin. investr. logistics res. proj., 58-66; asst. adminstr. econ., U.S. Small Bus. Admin., 66-67; PROF. ECON., SR. STAFF SCIENTIST & DEP. PRIM. INVESTR. LOGISTICS RES. PROJ., GEORGE WASHINGTON, 67- U.S.A., 45-46. Econ. Asn; Statist. Asn; Economet. Soc. Logistics; statistics; economic theory; management science. Address: Dept. of Economics, George Washington University, 707 22nd St. N.W., Washington, D.C. 20006.

SOLOMON, PROF. HERBERT, Math. Statist., see 11th ed, Phys. & Biol. Vols.

SOLOMON, DEAN LAWRENCE N(ORVAL), b. Los Angeles, Calif., Apr. 23, 29; m. 57; c. 2. PSYCHOLOGY. B.A., San Diego State Col., 50; univ. fel., Illinois, 50, U.S. Pub. Health Serv. fel., 52-53, Ph.D., 54. Res. psychologist, U.S. Navy Electronics Lab., 51-55, 57-58; lectr. psychol., Louisville, 55-56; spec. lectr. human rels., California Western, 58-62; res. assoc., West. Behav. Sci. Inst., 59-62; exec. secy. cmt. psychol. nat. & int. affairs, Am. Psychol. Asn., 62-64; spec. lectr. human rels., California Western, 64-67; res. assoc., WEST. BEHAV. SCI. INST., 64-67, ASSOC. FEL., 67-; DEAN INTENSIVE STUDY DIV., U.S. INT. UNIV. ELLIOTT CAMPUS, 67- Asst., Illinois, 51-52; lectr., California, 57-59; private practice, 57-60. Psychol. Asn. Human relations and values; psychotherapy. Publ: Co-auth., The self-directed therapeutic group: an exploratory study, *West. Behav. Sci. Inst.* 64 & Int. J. Group Psychother., 64; The self-directed therapeutic group: three studies, *J. Counseling Psychol.* 66; The programmed group: a new rehabilitation resource, *Int. J. Group Psychother.* 68. Address: 7761 Starlight Dr., La Jolla, Calif. 92037.

SOLOMON, DR. L(EONARD) F., b. New York, N.Y., June 8, 30; m. 53; c. 1. PSYCHOLOGY, SOCIOLOGY. B.A., Brooklyn Col., 52; Ph.D., N.Y. Univ., 57. Asst. soc. psychol., N.Y. Univ., 53-56; fel. soc. sci. & commun., Bell Tel. Labs., 56-57; res. soc. psychologist, Vet. Admin., 57-60; asst. prof. PSYCHOL., BOSTON, 60-67, ASSOC. PROF., 67- Lectr., grad. sch. pub. admin. & soc. work, N.Y. Univ., 58-60; U.S. Pub. Health Serv. fel., 67-68; prin. investr., Nat. Inst. Ment. Health. Consult., Vet. Admin., 60- Fel. Psychol. Asn; Soc. Psychol. Study Social Issues. Experimental social psychology; experimental psychopathology; small groups; social perception. Publ: Reactions to evaluations by others, Sociometry; Influence of power relation-

- ships upon interpersonal trust & Characteristics of untestable schizophrenics, *J. Abnorm. & Soc. Psychol.* Address: 109 Sargent St, Newton, Mass. 02158.
- SOLOMON, MORRIS J, b. New York, N.Y., Mar. 22, 19; m. 41; c. 4. STATISTICS. B.A., Brooklyn Col., 41; M.A., Columbia, 47. Statistician consumer econ, U.S. Dept. Agr., 48; price economist consumer expenditures, U.S. Dept. Labor, 49-50; anal. statistician logistics, U.S. Dept. Air Force, 50-54; math. statistician opera. res, U.S. Bur. Census, 54-55; Am. Greetings Corp., 55-57; Atlas Powder Co., 57-59; math. statist. adv, Indian Statist. Inst., India, 59-61; adv. proj. anal. State Planning Orgn. of Turkey, 61; chief opera. res. br., U.S. Bur. Census, 61-66; PRES. PROJ. DEVELOP. INC., 67- Vis. lectr. grad. sch. pub. & int. affairs, Univ. Pittsburgh, 63-65. Consult, Ford Found. Small Scale Indust. Team to India, 62; UN Center Indust. Develop., 63-65; Space & Missile Div., Gen. Elec. Co., Pa., 67; Center Training in Regional Econ. Develop., Fortaleza, Brazil, 67; UN Center Water Resources, N.Y., 67- Dir. proj. anal. workshops, Venezuela, 64, Cent. Am., Mex. & Colombia, 65, Brazil, 66 & Brazil & Peru, 67. U.S.A., 42-46, Lt. AAAS; fel. Statist. Asn; Inst. Mgt. Sci; Opera. Res. Soc. Am; Asn. Cost Eng; Soc. Int. Develop. Operations and marketing research; sampling; linear programming; management; problems of economic development of newly developing countries; project analysis and implementation; information systems. Publ: Better plant utilization in India—a blueprint for action, Asia Pub. House, Bombay, India, 63; Project analysis, Orgn. Am. States, 66; Optimum operation of a complex activity under conditions of uncertainty, *J. Opera. Res. Soc. Am.*, 11/54. Address: Project Development Inc, 404 E. Indian Spring Dr, Silver Spring, Md. 20901.
- SOLOMON, DR. MUHAMMAD HASSIM, b. Johannesburg, S. Africa, Nov. 23, 34. GOVERNMENT, CRIMINOLOGY. B.A., South Africa, 63; Fulbright Hayes fel, Southern Illinois, 65-66, M.A., 66, South African overseas fel, 66-67, Broadway House Agency Int. Develop. fel, 66-68, Ph.D. (govt), 68. Teacher, elem. schs, 54-60; dept. head & sr. asst, high sch, 61-64; res. & training asst. govt. & corrections, Southern Illinois, 65-68; ASST. PROF. CRIMINOL. INST. BEHAV. SCI. & CONTEMPORARY CORRECTIONS & SOCIOL. DEPT., SAM HOUSTON STATE COL., 68- Prin, Alexandra Combined Sec. & Primary Sch, 65-; admin. intern, div. criminol., Ill. State Penitentiary, summer 66. Polit. Sci. Asn; Soc. Criminol; Correctional. Asn. Educational administration and supervision; concept of minimum security; representative bureaucracy as a concept for philosophy of the therapeutic community on collaborative regime in correctional administration. Address: Institute of Behavioral Sciences & Contemporary Corrections, Sam Houston State College, Huntsville, Tex. 77341.
- SOLOMON, DR. NEIL, Physiol, see 11th ed, Phys. & Biol. Vols.
- SOLOMON, DR. PAUL, b. Boston, Mass., Feb. 24, 27; m. 53; c. 3. PSYCHOLOGY. A.B., Colby Col., 48; M.A., Clark, 51, Ph.D., 59. Psychometrist, Monson State Hosp., 49-52; psychologist, Myles Standish State Sch., 52-56, head psychologist, 56-58; PSYCHOLOGIST, Bristol County Ment. Health Clins. & Fall River Pub. Schs., 58-62; PSYCHIAT. CONSULT. SERV., 62- Consult, State Dept. Ment. Health, Mass., 59-; Mass. Rehab. Cmn., 62- U.S.N., 44-46. Psychol. Asn. Social functioning of mentally or physically handicapped persons. Publ: Studies of contour. III Negative after images, *Am. J. Psychol.*; Differential Rorschach scores of successfully placed mental defectives, *J. Clin. Psychol.*; Structural and genetic aspects of Rorschach responses, *J. Proj. Tech.* Address: 401 County St, New Bedford, Mass. 02740.
- SOLOMON, DR. RICHARD H, b. Philadelphia, Pa., June 19, 37; m. 60; c. 2. POLITICAL SCIENCE. S.B., Mass. Inst. Tech., 60, Ph.D. (polit. sci), 66; Yale, 63-64. ASST. PROF. POLIT. SCI., MICHIGAN, 66- Soc. Sci. Res. Coun, Joint Cmt. Contemporary China field res. fel, 68-69. Polit. Sci. Asn; Asn. Asian Studies. Chinese political culture; Chinese political behavior both internal and international. Publ: Educational themes in China's changing culture, 10-12/65 & Communication patterns and the Chinese revolution, 10-12/67, *China Quart.*; Parochialism and paradox in Sino-American relations, *Asian Surv.*, 12/67. Address: Center for Chinese Studies, University of Michigan, Ann Arbor, Mich. 48104.
- SOLOMON, PROF. RICHARD LESTER, b. Boston, Mass., Oct. 2, 18; m. 44; c. 2. PSYCHOLOGY. A.B., Brown, 40, univ. fel, 41-42, M.Sc., 42, Ph.D. (psychol), 47. Res. psychologist, Nat. Defense Res. Cmt., 42-43, 44-45; res. psychophysiol., Off. Sci. Res. & Develop., 43-44; instr. PSYCHOL., Brown, 46-47; from asst. prof. to prof. & assoc. dir. lab. soc. rels, Harvard, 47-60; PROF., PENNSYLVANIA, 60- Guggenheim fel, 57-58. AAAS; Psychol. Asn. (ed, Psychol. Rev); Soc. Exp. Psychol; Psychonomic Soc; Am. Acad. Arts & Sci. Psychology of conditioning and learning; social learning; physiology of emotion. Address: Dept. of Psychology, University of Pennsylvania, Philadelphia, Pa. 19104.
- SOLOMON, DR. RICHARD S (AMUEL), b. Syracuse, N.Y., Sept. 7, 12; m. 40; c. 2. PSYCHOLOGY. A.B., Syracuse, 33, scholar, 33-35, M.A., 35, fel, 35-37, Ph.D. (psychol), 37. Instr. psychol, Syracuse, 37-38; chief psychologist, Personnel Inst., Ill., 38-42; psychol. res. dir. personnel, Standard Register Co., Ohio, 42-45; CONSULT. PSYCHOLOGIST, 45- Dipl., Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn. Mental deterioration; statistics; aptitude testing applied to business and industrial positions. Address: 349 W. First St, Dayton, Ohio 45402.
- SOLOMON, DR. ROBERT, b. New York, N.Y., May 2, 21; m. 46; c. 3. ECONOMICS. B.A., Michigan, 42; M.A., Harvard, 47, Ph.D. (econ), 52. Economist int. finance, BD. GOVERNORS, FED. RESERVE SYST., 52-56, sr. economist monetary anal., 56-60, chief capital mkt. sect., 60-62, asst. to dir., div. res. & statist., 62-63, assoc. adv., 63-64, adv., 64-65, ADV. TO BD., 65-, DIR. DIV. INT. FINANCE, 66- Instr., Hopkins, 48-49; prof. lectr., American Univ., 57-62, adj. prof., 62- U.S.A.A.F., 42-45, 1st Lt. Econ. Asn. Monetary theory; fiscal policy; international monetary arrangements; balance of payments problems. Publ: Galbraith on market structure and stabilization policy, *Rev. Econ. Statist.*; Bankers acceptance financing in the United States, *Fed. Reserve Bull.*; A note on the full employment budget surplus, *Rev. Econ. Statist.*, 2/64. Address: 8502 W. Howell Rd, Bethesda, Md. 20034.
- SOLOMON, DR. SAMUEL R (ANDOLPH), b. New York, N.Y., Aug. 24, 09. POLITICAL SCIENCE. A.B., Syracuse, 30, Maxwell scholar, 30-33, A.M., 31, Ph.D., 49. Instr. soc. studies, high schs., N.Y., 36-42, chmn. dept., 39-42; instr. polit. sci., Syracuse, 46-51; vis. prof., State Univ. N.Y. Teachers Col., Brockport, 51-52; asst. prof., soc. studies & ed, State Univ. N.Y. Col. Geneseo, 53-57; LECTR. SOC. SCI., DEPT. HIST. & SOC. SCI., EASTERN MICHIGAN, 60-, CHMN. DEPT. POLIT. SCI., 65- Asst. prof., State Univ. N.Y. Col. Geneseo, summer 59. Ed. consult, Col. Blue Book, 57-66. Mem. planning cmt. & faculty, forum on state & local govt, Mich. State, 67, Western Michigan, 68. U.S.A.A.F., 42-46, Capt. Polit. Sci. Asn; Acad. Polit. Sci. American, state and local government; public administration; history. Publ: Governor as legislator, *Nat. Munic. Rev.*; Governors: 1950-1960; Master of the House, 2/68, *Nat. Civic Rev.* Address: Dept. of History & Social Sciences, Eastern Michigan University, Ypsilanti, Mich. 48197.
- SOLOMON, DEAN THOMAS R, b. Macon, Ga., Mar. 18, 04; m. 25; c. 3. POLITICAL SCIENCE. A.B., Wayne, 29, M.A., 33; Ph.D. (polit. sci), Michigan, 39. PROF. POLIT. SCI., PRAIRIE VIEW AGR. & MECH. COL., 39-42, 54-, DEAN STUDENTS, 54-, head dept. & registr., 42-54. Polit. Sci. Asn; Personnel & Guid. Asn; Acad. Polit. & Soc. Sci. Political parties; American government; international organization. Address: P.O. Box D, Prairie View Agricultural & Mechanical College, Prairie View, Tex. 77445.
- SOLOMONS, PROF. DAVID, b. London, Eng., Oct. 11, 12; m. 45; c. 2. ACCOUNTING. B.Com., London Sch. Econ., 32; D.Sc. (econ), London, 66. Lectr. ACCT., London Sch. Econ., 46-48; reader, London, 48-55; PROF., Bristol, 55-59; PENNSYLVANIA, 59- Vis. assoc. prof., California, 54; prof. mgt. develop. inst., Univ. Lausanne, 63-64. Fel. Inst. Chartered Acct. Eng. & Wales. R.A.S.C., 39-45, Capt. Am. Acct. Asn; Nat. Asn. Acct; Am. Econ. Asn; Inst. Mgt. Sci; Royal Econ. Soc. Accounting theory, especially asset valuation and income measurement; cost analysis and control; measurement and control of divisional performance in business. Publ: Divisional performance: measurement and control, *Financial Exec. Inst.*, 65 & Irwin, 68; ed, *Studies in cost analysis*, Irwin, 68; auth, *Determination of asset values*, *J. Bus.* Address: Dept. of Accounting, Wharton School of Finance, University of Pennsylvania, Philadelphia, Pa. 19104.
- SOLON, DR. JERRY ALAN, b. New York, N.Y., Mar. 19, 19; m. 41; c. 3. SOCIOLOGY. B.A., City Col. New York, 41; M.A., American Univ., 51, Ph.D. (sociol), 64. Res. asst. pub. assistance, U.S. Soc. Security Admin., 42; res. analyst handicapped & older workers, U.S. Employ. Serv., 42-48; health progs., U.S. Children's Bur., 48-52; hosp. & med. facilities, U.S. Pub. Health Serv., 52-56; dir. med. care studies, Beth Israel Hosp., Boston, Mass., 56-62, instr. sch. nursing, 60-62; prof. med. & hosp. admin, grad. sch. pub. health, Pittsburgh, 62-68; CHIEF, HEALTH SERV. ORGN. BR., HEALTH SERV. & MENT. HEALTH ADMIN., U.S. PUB. HEALTH SERV., 68- Res. assoc., Cmn. Chronic Illness, 54-56; instr. sch. pub. health, Harvard, 58-60; adj. prof. med. & hosp. admin, Pittsburgh, 68- Consult. to various vol. & govt. health orgns. U.S.N., 43-46. Sociol. Asn; Pub. Health Asn; Asn. Teachers Prev. Med; Hosp. Asn. Medical sociology; research and program planning; organization and administration of medical care; social work; community planning and organization for health and welfare services; public and child health; aging; research methodology. Publ: Nursing homes, their patients and their care, *Monogr.* 46, U.S. Pub. Health Serv., 57; sr. auth, *Delineating episodes of medical care 3/67 & Changing patterns of obtaining medical care in a public housing community: impact of a service program*, 5/67, *Am. J. Pub. Health.* Address: Health Services Organization Branch, Division of Medical Care Administration, U.S. Public Health Service, 800 N. Quincy St, Arlington, Va. 22203.
- SOLOW, PROF. ROBERT M (ERTON), b. Brooklyn, N.Y., Aug. 23, 24; m. 45; c. 3. ECONOMICS, STATISTICS. A.B., Harvard, 47, A.M., 49, Ph.D., 51; Soc. Sci. Res. Coun. fel, Columbia, 49-50; LL.D., Chicago, 67. Asst. prof. statist., MASS. INST. TECH., 50-54, assoc. prof., 54-58, PROF. ECON., 58- Fel, Center Adv. Study Behav. Sci., 57-58; sr. economist, Coun. Econ. Adv., 61; Ford Found. faculty res. fel, 63-64; Devries lectr., Rotterdam, 63; Marshall lectr., Cambridge, 63; Wicksell lectr., Stockholm, 64; Eastman prof., Oxford, 68-69. Econ. Asn. (John Bates Clark medal, 61); Economet. Soc. (pres, 64). Theory of economic growth; capital and interest theory. Publ: Capital theory and the rate of return, *North Holland*, 63; Nature and sources of unemployment in the U.S., *Almquist & Wiksell*, 64; Neoclassical growth with fixed factor proportions, *Rev. Econ. Studies*, 4/66. Address: Dept. of Economics, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- SOLTERER, DR. JOSEF, b. Vienna, Austria, Dec. 28, 97; m. 29; c. 2. ECONOMIC STATISTICS. B.S., Miss. South. Col., 27; A.M., Georgetown, 30, Ph.D. (econ), 32, hon. LL.D., 57; hon. Sc.D., Cath. Univ. Chile, 54. From instr. to PROF. ECON., GEORGETOWN, 30-, CHMN. DEPT., 39- Fulbright prof., Innsbruck, 55; guest prof., Munich, 59; lectr., Univ. Col. Ireland, 61; lectr. & consult, Inst. Tech. & Higher Ed. Mex., 47; Cath. Univ. Chile, 54. Consult, U.S. Bur. Inter-Am. Affairs, 45-. Econ. Asn; Economet. Soc; Statist. Asn; Soc. Indust. & Appl. Math. Theory of economic organization; income distribution. Publ: Principles of the pluralistic economy, *Dunker & Humblot*, 65; Theory of economic pluralism, *Rev. Soc. Econ.*; Freedom and law in income distribution. Address: Dept. of Economics, Georgetown University, Washington, D.C. 20007.
- SOLTIS, DR. CHARLES, b. McKeesport, Pa., Apr. 21, 21. ECONOMICS. B.A., Duquesne, 48; M.A., Pittsburgh, 49, Ph.D. (econ), 55. Asst. prof. econ. & bus. admin, Norwich, 52-54; instr. indust., Pittsburgh, 55-56; asst. prof. gen. bus., Mich. State, 56-59; PROF. MGT. & BUS. ADMIN., KENT STATE, 59- U.S.A., 42-45. Econ. Asn; Acad. Mgt; Soc. Personnel Admin. Labor economics; business administration; public finance; personnel management. Address: College of Business Administration, Kent State University, Kent, Ohio 44240.
- SOLTOW, DR. JAMES H (AROLD), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SOLZBACHER, DR. WILLIAM, b. Honnef, Germany, Feb. 1, 07; nat; m. 31; c. 4. SOCIOLOGY, POLITICAL SCIENCE. Bonn, 26-28; M.A., Cologne, 30,

Ph.D.(sociol. & polit. sci), 31. Lectr. int. affairs, Am. Peoples Col. Europe, Austria, 32-37; traveling secy, World Student Serv. Fund, 42; assoc. ed, Cath. Intercontinental Press, 42-50; asst. prof. hist. & polit. sci, Col. of Mt. St. Vincent, 50-51; chief prog. schedule sect, VOICE OF AM, U.S. DEPT. STATE, 51-53, monitoring staff, U.S. INFO. AGENCY, 54-67, head broadcasts in Esperanto, 60-67, POLICY APPLN. OFFICER LATIN AM, 67- Dir. study tours, Affiliated Schs. & Seminars Int. Study & Training, 53-54. AAAS; fel. Sociol. Asn; Hist. Asn; Ling. Soc; Mod. Lang. Asn; Acad. Polit. & Soc. Sci; Acad. Polit. Sci; Acad. Econ. & Polit. Sci; Asn. Adv. Slavic Studies; Soc. Sci. Study Relig; Int. Cmn. Esperanto & Sociol; Polynesian Soc. Language problems in international relations; origin and structure of totalitarian governments; information and propaganda. Publ: Walter Rathenau als Sozialphilosoph; Idoles, Bolchevisme-Racisme-Etatisme; Interlanguage. Address: 6030 Broad St, Washington, D.C. 20016.

SOMERS, DR. BERNARD J(OSEPH), b. Pittsburgh, Pa, Dec. 8, 25; m. 48; c. 2. CLINICAL PSYCHOLOGY. A.B. Dartmouth Col, 48; M.A. Columbia, 52, Ph.D. 58. Psychologist, Quaker Emergency Serv. Readjust. Center, 49-50; intern psychol, Inst. Crippled & Disabled, 52-53, staff psychologist, 53-57, sr. psychologist, 57-60; staff psychotherapist, Bleuler Psychother. Center, 59-60; asst. prof. REHAB. COUNSELING, CALIFORNIA STATE COL. LOS ANGELES, 60-63, ASSOC. PROF., 63- Sch. psychologist, Ringwood Schs. & Lakeland Regional High Sch, 59-60; staff psychotherapist, Ingleside Psychiat. Hosp, 63-66. U.S.N. 43-46, Ens. Psychol. Asn; Acad. Psychother. Rehabilitation; group, family and individual psychotherapy; developmental psychology; psychology and social issues. Publ: A rehabilitation center program for mental patients, Ment. Hyg; Displaced hostility in physically handicapped and nonhandicapped subjects, Am. Psychologist; Give me what is really mine, Voices. Address: Dept. of Psychology, California State College at Los Angeles, Los Angeles, Calif. 90032.

SOMERS, PROF. GERALD (GEORGE), b. Toronto, Ont, Aug. 6, 22; m. 45; c. 2. ECONOMICS, INDUSTRIAL RELATIONS. B.A. Toronto, 44, M.A. 46; Ph.D. California, 51. Asst. prof. econ, West Virginia, 49-54, assoc. prof, 54-57, dir. inst. indust. rels, 54-57; assoc. prof. ECON. WISCONSIN, 57-59, PROF., 60-, INST. INDUST. RELS. RES. INST., 64-. ED. J. HUMAN RESOURCES, 66- Arbitrator, labor-mgt. disputes, 51- Consult, Can. Dept. Labor, 63 & 66; Off. Econ. Opportunity, U.S. Dept. Labor, 65- R.C.A.F., 42-45. Econ. Asn; Indust. Rels. Res. Asn.(ed, 58-). Labor market; wages and employment; collective bargaining. Publ: Co-auth, Adjusting to technological change, Harper, 63; Labor, management, and social policy: essays in the John R. Commons tradition, 63 & Retraining the unemployed: case studies of the current experience, 68, Univ. Wisconsin. Address: Dept. of Economics, 7460 Social Science Bldg, University of Wisconsin, Madison, Wis. 53706.

SOMERS, DEAN HAROLD M(ILTON), b. Toronto, Ont, Sept. 30, 15; nat. m. 39; c. 3. ECONOMICS. B.Com. Toronto, 37; Chicago, 40; Soc. Sci. Res. Coun. fel, 40-41; fel, Michigan, 41-42; Ph.D.(econ), California, 42; LL.B., Buffalo, 56. Asst. prof. econ, Buffalo, 42-45, assoc. prof, 45-46, prof, 46-61, dean sch. bus. admin, 47-61; PROF. ECON. CALIFORNIA, LOS ANGELES, 61-, DEAN DIV. SOC. SCI, 67-, chmn. dept. econ, 61-66. Consult, res. div, Off. Price Admin, 43; State Dept. Commerce, N.Y., 44-45, City of Buffalo budget div, 46-47; Mayor's Employ. Cmt, 45-46; fiscal div, UN, 50-53; Assembly Cmt. on Revenue & Taxation, Calif, 63-65; Econ. Youth Opportunities Agency & City Coun. Cmt. on Revenue & Taxation, Los Angeles, 66-67; N.Y. State Joint Legis. Cmt. on Intergovt. Fiscal Rels, 67; consult & chmn, nat. panel in soc. sci. under Higher Ed. Facilities Act of 1963, U.S. Off. Ed, 65-67. Am. Econ. Asn; Economet. Soc; Am. Finance Asn; Am. Bar Asn; Nat. Tax Asn. Government finance; business cycles; economic theory; reform of federal tax structure to promote stability and growth; improvement of federal-state-local fiscal relationships and reform of state-local tax structures; program budgeting at the local level. Publ: Public finance and national income; The sales tax, Calif. Legis, 64; contrib, Growth of the American economy. Address: Dept. of Economics, University of California, Los Angeles, Calif. 90024.

SOMERS, PROF. HERMAN M, b. Brooklyn, N.Y. Apr. 11, 11; m. 46; c. 2. PUBLIC ADMINISTRATION, POLITICAL SCIENCE. B.S. Wisconsin, 33, univ. fel, 34; M.A. Harvard, 40, Littauer fel, 37, 40, Ph.D. 47. Dir. res. & statist. State Emergency Relief Admin, Wis, 34-35; chief statistician, State Dept. Welfare, 35-39; sr. economist, Nat. Resources Planning Bd, 41; res. assoc, cmm. soc. sect. Soc. Sci. Res. Coun, 41-42; sr. economist, War Prod. Bd, 42; economist, Off. War Mobilization & Reconversion, 46-47; vis. lectr. govt, Harvard, 47-48; PROF. polit. sci. & chmn. dept, Haverford Col, 48-63, POLIT. & PUB. AFFAIRS, PRINCETON, 63- Vis. prof, N.Y. Sch. Soc. Work, Columbia, 45, 55, 58; fel, Fund. Adv. Ed, 51-52; sr. Fulbright res. fel, London Sch. Econ, 55-56; vis. prof, California, 56-57; sr. res. fel, Soc. Sci. Res. Coun, 60-61; vis. res. govt. prof, Brookings Inst, 60-61; counsellor soc. security, Int. Labor Off, 62-63; Ford res. prof, 65-66; summers, vis. prof, Harvard, 50, 52; Wisconsin, 55. Consult, coun. indust. health, Am. Med. Asn, 44-45; Brookings Inst, 50-51, 58-59; U.S. Dept. Labor, 51-54; Nat. Security Resources Bd, 52-53; U.S. Mutual Security Agency, 52-53; President's Cmn. Vet. Pensions, 55-56; bur. voc. rehab, State Dept. Ed. Calif, 56-57; spec. studies proj, Rockefeller Bros. Bd. Fund, 56-57; State Dept. Soc. Welfare, Calif, 60; inst. indust. rels, California, 61; U.S. Food & Drug Admin, 61; Soc. Security Admin, 65-67; Dept. Health, Ed. & Welfare, 65- Pb. mem. health & welfare cmt, Nat. Wage Stabilization Bd, 52-53; mem. bd. trustees, Inter-Univ. Case Prog, 55-; polit. sci. selection cmt, Conf. Bd. Associated Res. Couns, 57-61; human needs panel, President's Cmn. Nat. Goals, 60; President-Elect Kennedy's Task Force Health & Soc. Sect, 60-61; Nat. Adv. Coun. Soc. Security, 63-65; President Johnson's Task Force Health Legis, 64; chmn, Employ. Security Coun. N.J., 64-67; mem. bd. trustees, Hosp. Serv. Plan N.J., 64-; health ins. benefits adv. coun, Dept. Health, Ed. & Welfare, 68- Elizer Wright award, Am. Risk & Ins. Asn, 62. A.U.S., 42-46, Lt. Col. AAAS; Am. Polit. Sci. Asn; Am. Soc. Pub. Admin; Am. Indust. Rels. Res. Asn. Social insurance and welfare; organization and financing of medical care and medical economics. Publ: Co-auth, Doctors, patients, and health insurance; auth, Presidential agency; co-auth, Medicare and the hospitals, Brookings Inst, 67. Address: Woodrow Wilson School of Public & International Affairs, Princeton University, Princeton, N.J. 08540.

SOMERS, J(OHN) C(AMERON), Econ. Bus. Admin, see 10th ed, Soc. & Behav. Vols.

SOMERS, DR. ROBERT H, b. Rochester, N.Y., June 27, 29; m. 50, 67; c. 6. SOCIOLOGY, STATISTICS. B.A. Antioch Col, 53; M.A. Columbia, 56, Ph.D. (sociol), 61. Res. assoc, Bur. Appl. Soc. Res, 56-61; ASST. PROF. SOCIOL, Michigan, 61-64; CALIFORNIA, BERKELEY, 64- Prin. investr, Nat. Sci. Found. res. grant, 60-62; Ford Found. consult, Minas Gerais, 66; mem. math. soc. sci. bd, Nat. Sci. Found. Seminar Quant. Hist, Cornell, 67. AAAS; Sociol. Asn; Statist. Asn. Political sociology; research methodology; social statistics. Publ: Simple measure of association for the triple dichotomy, J. Royal Statist. Soc, 64; The mainsprings of the rebellion: a survey of students at Berkeley, November, 1964, In: The Berkeley revolt, Doubleday, 65; Measures of association, In: Encyclopedia of the social sciences, 68. Address: Dept. of Sociology, University of California, Berkeley, Calif. 94720.

SOMERVILLE, DR. ADDISON WIMBS, b. Greensboro, Ala, Aug. 6, 27. PSYCHOLOGY, SPECIAL EDUCATION. B.S. Howard, 48, M.S. 50; Ph.D.(psychol), Ill. Inst. Tech, 63. Intern clin. psychol, Crownsville State Hosp, Md, 50; guid. dir, high sch, N.C., 53-54; staff psychologist, Elgin State Hosp, Ill, 54; clin. & counseling psychologist, inst. psychol. serv, Ill. Inst. Tech, 54-58; sch. psychologist, dept. pupil appraisal, D.C. Bd. Ed, 58-59; chief sch. psychologist, Francis W. Parker Sch, Ill, 59-64; asst. dir. planning ment. health, Govt. Virgin Islands, 64-65; asst. prof. psychol, SACRAMENTO STATE COL, 65-67, PSYCHOL. & SPEC. ED, 67-68, ASSOC. PROF., 68-, coordinator grad. studies prog. compensatory ed, 67-68. Lectr. Calif. Hwy. Patrol, 66- Consult, north. reception center, Calif. Youth Authority, 65-; youth opportunity center, Calif. Dept. Employ, 66- Med.C. U.S.A., 50-52, Sgt. Asn. Correctional Psychol; Soc. Proj. Tech. & Personality Assessment; Psychol. Asn; Coun. Except. Children. Psychological factors in reading disability; effects of parent-child relationships upon classroom behavior; psychology of the culturally different; integration of schools; counseling of deprived; self-concept and racial identification terms. Publ: Co-auth, Manual for counselors-in-training, Sacramento State Col, 66; The persistence of vocational preference in successful individuals, J. Psychol, 50; auth, Curriculum and deprived child, J. Correctional Psychology, 68. Address: Dept. of Psychology, Sacramento State College, 6000 Jay St, Sacramento, Calif. 95816.

SOMIT, DR. ALBERT, b. Chicago, Ill, Oct. 25, 19. POLITICAL SCIENCE. A.B. Chicago, 41, Ph.D. 47. Personnel technician, Chicago Park Dist, 43-45; instr. polit. sci, N.Y. Univ, 45-47, asst. prof, 47-51, assoc. prof, 53-60, prof. pub. admin, 60-66; CHMN. DEPT. POLIT. SCI. STATE UNIV. N.Y. BUFFALO, 66- Chester W. Nimitz prof, Naval War Col, 61-62. U.S.A., 51-53. Polit. Sci. Asn; Soc. Pub. Admin; Acad. Polit. & Soc. Sci. Political theory; American politics; public administration. Publ: Co-auth, American political science: a profile of a profession, Atherton, 64 & The development of American political science: from Burgess to behavioralism, Allyn & Bacon, 67. Address: Dept. of Political Science, State University of New York, Buffalo, N.Y. 14226.

SOMMER, DR. LOUISE, Econ, see 9th ed, Soc. & Behav. Vols, deceased 64.

SOMMER, PROF. ROBERT, b. New York, N.Y., Apr. 26, 29; m. 57; c. 3. PSYCHOLOGY. B.A., Hobart Col, 50; M.S., Oklahoma, 52; Ph.D., Kansas, 56. Asst. Menninger Found, 53-56; fel, Southeast. La. Hosp, 57; res. psychol, Sask. Hosp, Can, 57-61; asst. prof, Alberta, 61-63; from assoc. prof. to PROF. PSYCHOL, CALIFORNIA, DAVIS, 63- Psychol. Asn; Sociol. Asn. Environment and behavior; social psychology. Address: Dept. of Psychology, University of California, Davis, Calif. 95616.

SOMMERFELD, PROF. ROY E(LMER), b. Benton Harbor, Mich, May 8, 14; m. 42; c. 3. PSYCHOLOGY. B.S. West. Mich. Col, 37; M.A. Michigan, 47, Ph.D.(ed. psychol), 52. Interviewer & counsr, bur. psychol. serv, Michigan, 46-47, asst. to dir. bur. appointments, 47-50, testing div, bur. psychol. serv, 50-52; asst. prof. ed. psychol, Okla. Agr. & Mech. Col, 52-54, assoc. prof, 54-58, dir. reading clin, 54-56; asst. prof. ed, NORTH CAROLINA, 56-58, assoc. prof, 58-63, PROF. ED. PSYCHOL. & CHMN. GRAD. STUDY IN ED, 63- Instr. Mich. State Norm. Col, 51-52. U.S.A., 41-46, Capt. Psychol. Asn; Ed. Res. Asn. Reading; improving the effectiveness of instruction; selection of candidates for teacher-education. Publ: Evaluation of tachistoscope in reading improvement programs, Proc. Southwest Reading Conf; Problems in evaluating college reading programs. Address: School of Education, University of North Carolina, Chapel Hill, N.C. 27514.

SOMMERS, ALBERT T(RUMBULL), b. Milford, Conn, July 30, 19; m. 46; c. 2. ECONOMICS. A.B. Columbia, 39; A.M. N.Y. Univ, 49. Sr. economist & partner, Boni, Watkins, Mounteer & Co, 47-50; asst. dir. div. bus. econ, NAT. INDUST. CONF. BD, 51-57, dir. div. bus. econ, 57-60, dir. econ. res, 61-65, V.PRES. ECON. RES, 65- Lectr, Columbia, 53-58; Nat. Asn. Bus. Econ. fel, 66- Mem. bus. res. adv. cmt, Secy. Labor, 58-; Conf. Res. Income & Wealth, 66- U.S.A., 42-46, Capt. Econ. Asn; Statist. Asn; Nat. Asn. Bus. Econ. Business forecasting and cycles. Publ: Contrib, How economists forecast, Prentice-Hall, 66; auth, The new economics; Economic potentials of the United States in the next decade. Address: National Industrial Conference Board, 845 Third Ave, New York, N.Y. 10022.

SOMMERS, PROF. LAWRENCE M(ELVIN), b. Clinton, Wis, Apr. 17, 19; m. 49. GEOGRAPHY. B.A. Wisconsin, 42, Ph.M., 46; Am-Scandinavian Found-Soc. Sci. Res. Coun. fel, Norway, 48; Ph.D.(geog), Northwestern, 50. Instr. geog. & geol, MICH. STATE, 49-51, asst. prof, 51-53, assoc. prof, 53-55, PROF. GEOG. & HEAD DEPT., 55- Off. Naval Res. grant, Denmark, 53. Mem. cmt. geog. adv. off. naval res, Nat. Res. Coun, 58-61. U.S.A., 42-45. AAAS; Asn. Am. Geog; fel. Am. Geog. Soc; Coun. Geog. Ed. Geography of Europe, especially of the Scandinavian countries; field geography; methodology; commercial fishing in Norway. Publ: Co-auth, Introduction to geography: selected readings, Physical geography: selected readings & Cultural geography: selected readings, Crowell, 67. Address: Dept. of Geography, Michigan State University, East Lansing, Mich. 48823.

- SOMMERS, DR. VITA S, b. Vienna, Austria, June 9, 06; nat; m. CLINICAL PSYCHOLOGY. Ph.D. Columbia, 43. Psychologist & dir, Home of Dependent Children, Vienna, 35-38; PSYCHOLOGIST & SUPVR, VET. ADMIN. MENT. HYG. CLIN, 46- Austrian-Am. Inst. Int. Ed. fel. Fel. Psychol. Asn; Group Psychother. Asn; Soc. Proj. Tech; Orthopsychiat. Asn. Psycho-cultural problems; physically handicapped; psycho-diagnostic and psycho-therapeutic problems. Publ: Influence of parental attitudes on the personality of handicapped children; Group therapy with members of minority groups; Vocational choice as an expression of conflict in identification. Address: 931 S. Windsor Blvd, Los Angeles, Calif. 90019.
- SOMMERS, DR. WALDO, b. Baltimore, Md, May 27, 08; m. 37; c. 4. PUBLIC ADMINISTRATION, PERSONNEL MANAGEMENT. B.A. Heidelberg Col, 27; Columbia, 31-32; M.A. Yale, 34, Ph.D. 48. Instr. Eng. & librn, Lingnan Univ, 27-30; secy. to pres, Peck, Stow & Wilcox Co, Conn, 36-39; asst. prof. sociol, Syracuse, 46-48; vis. prof. sociol. & acting chmn. dept, Ohio Wesleyan, 49-50; assoc. prof. PUB. ADMIN. GEORGE WASHINGTON, 59-61, PROF, 61-, COORDINATOR MGT. INTERN SCHOLAR. PROG, 59-, dir. Air Force Adv. Mgt. Prog, 61-65, grad. progs. pub. admin, 61-63. Personnel & training officer, U.S. Govt, 39-59; lectr, Indust. Col. Armed Forces, 66-67. Consult, Brookings Inst, 63-64. Fel. Sociol. Asn; Soc. Personnel Admin. (books ed, Personnel Admin, 61-); Pub. Personnel Asn; Soc. Pub. Admin. Behavioral scientific analyses of personnel management and public administration; research methodology in business and public administration. Publ: Reorganizing federal personnel management, 1945-1960; Bookbinding as an occupation in New York City, N.Y. State Dept. Labor Bull. Address: 4928 Hampden Lane, Bethesda, Md. 20014.
- SONDEL, DR. BESS, b. Chicago, Ill, Jan. 6, 94; wid; c. 1. COMMUNICATIONS, COMPUTER SCIENCE. Ph.B. Chicago, 31, Ph.D.(hist. of ideas), 38. Lectr. commun. & human rels, Chicago, 32-55, prof. lectr. commun, 35-62, consult, indust. rels. center, 50-55, grad. sch. bus, 57-59; ADJ. PROF. SCI. INFO, GRAD. SCH, ILL. INST. TECH, 65-, RESEARCHER COMPUT. RECOGNITION OF SEMANTIC PATTERNS, 67- Summer res. assoc. to Prof. Patrick Merredith Leeds, 66. Speech Asn. Field theory of communication; practical applications of field theory; semantics, psychology and logic of communication. Publ: Communication: a field theory; Univ. Chicago, 58; The humanity of words, World, 58; Operations-research: a two-stage semantic process, IEEE Trans, 6/65. Address: 2052 Lincoln Park W, Chicago, Ill. 60614.
- SONDER, DR. OTTO L(OUIS), JR, b. Williamsport, Pa, Apr. 18, 25. SOCIOLOGY. B.A. American Univ, 48; M.A. Bucknell, 49; D.Ed.(sociol), Pa. State, 64. Instr. polit. sci. & sociol, Pa. State, 49-51; SOCIOLOGICAL, DePauw, 51-53, asst. prof, 53-56; LYCOMING COL, 56-58, ASSOC. PROF, 58-, CHMN. DEPT. SOCIOLOG. & ANTHROP, 56- U.S.A., 43-44. Sociol. Asn; Anthropol. Asn; Nat. Coun. Family Rel; Nat. Coun. Crime & Delinquency; Personnel & Guid. Asn. Social psychology; marriage and the family education; research and counseling; social stratification; public opinion. Address: Dept. of Sociology & Anthropology, Lycoming College, Williamsport, Pa. 17701.
- SONDEREGGER, DR. THEO BROWN, b. Birmingham, Ala, May 31, 25; m. 47; c. 3. PSYCHOLOGY. B.Sc. Fla. State Col. Women, 46; M.A. Nebraska, 49 & 60, Nat. Inst. Ment. Health fel, 63-64, Ph.D.(psychol), 65. ASST. PROF. PSYCHOL, NEBR. WESLEYAN, 65- Instr. med. sch, Nebraska, 65-; Nat. Insts. Health res. grant, 68-69. Psychol. Asn. Conflict theory; behavioral gradients using intracranial stimulation; communication dysfunctioning. Publ: Co-auth, Thermal enzymes, 49 & Thermal enzymes II; cytochromes, 50, Arch. Biochem; Acquisition of meaning through context, Psychonomic Sci, 64. Address: Dept. of Psychology, Nebraska Wesleyan University, Lincoln, Nebr. 68504.
- SONDERMANN, DR. FRED A, b. Horn, Germany, Dec. 20, 23; nat; m. 50; c. 3. INTERNATIONAL RELATIONS. A.B. Butler, 49; M.A. Indiana, 50; Jr. Sterling & Overbrook fels. & Ph.D.(int. rels), Yale, 53. Instr. POLIT. SCI. COLO. COL, 53-55, asst. prof, 55-58, ASSOC. PROF, 58-, assoc. dean col, 61-65. Ford Int. Rel. fel, Stanford, 55-56; summer vis. prof, Denver, 56; Arizona, 67. Pres, Int. Studies Asn, 62-63, ed, Int. Studies Quart. Theory of international relations; foreign policy process. Publ: Co-auth & ed, Theory and practice of international relations, Prentice-Hall, 1st ed, 60, 2nd ed, 66; auth, Study of international relations: 1956 version, In: World politics, Vol. 10, 57; Linkage between foreign policy and international politics, In: International politics and foreign policy, Free Press of Glencoe, 61. Address: Dept. of Political Science, Colorado College, Colorado Springs, Colo. 80903.
- SONENBLUM, DR. SIDNEY, Econ, see 10th ed, Soc. & Behav. Vols.
- SONES, DR. A(MMI) MERLIN, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 64.
- SONNE, DR. THOMAS R, b. Warren, Pa, Aug. 27, 10; m. 38; c. 1. PSYCHOLOGY. B.S. Tulsa, 37; Ed.M. Buffalo, 50, Ed.D. 56. Counseling psychologist, Vet. Admin, 46-48; supv. psychologist, 48-63, CHIEF COUNSELING PSYCHOL, VET. ADMIN. HOSP, CANANDAIGUA, N.Y., 63- U.S.A.A.F., 43-46, Sgt. Psychol. Asn; Personnel & Guid. Asn. Rehabilitation of veterans with psychiatric disabilities; supervision and training of counselors; attitudes and values in counseling. Address: 103 Gibson St, Canandaigua, N.Y. 14424.
- SONNENFELD, PROF. J(OSEPH), b. New York, N.Y., Sept. 1, 29; m. 52; c. 3. HUMAN GEOGRAPHY. B.S. Ore. State Col, 52; Wenner-Gren Found. fel, 54; Arctic Inst. N.Am. grant-in-aid, 54; Ph.D.(geog), Hopkins, 57. Instr. GEOG, Delaware, 55-57, asst. prof, 57-62, assoc. prof, 62-68; PROF, TEXAS A&M, 68- Arctic Inst. N.Am. res. grant-in-aid, 63-65. AAAS; Asn. Am. Geog; Am. Geog. Soc. Behavioral geography; sensing and perception of natural environment; environmental personality; adaptation to extreme environments. Publ: Variable values in space and landscape: an inquiry into the nature of environmental necessity, J. Soc. Issues, 67; Environmental perception and adaptation level in the arctic, Dept. Geog. Res. Paper 109, Univ. Chicago, 67. Address: College of Geosciences, Texas A & M University, College Station, Tex. 77843.
- SONNINO, DR. M(ARIO) A(NTHONY), b. Rome, Italy, May 1, 15; nat; m. 45; c. 2. BUSINESS MANAGEMENT, ECONOMICS. C.Sc.D. Rome, 38; M.A., George Washington, 45; Ph.D.(econ), American Univ, 49, M.B.A., 54. Assoc. mkt. specialist, U.S. Dept. Agr, 42-43; SUPVRY. ECON. ADV. & CHIEF COMMERCIAL RATES, CIVIL AERONAUT. BD, 43- Lectr, American Univ, 42-; Prince George's Col, 61-; adv. grad. studies, American Univ, 58- Econ. Asn; Soc. Adv. Mgt; Statist. Asn; Transportation Res. Forum; Soc. Traffic & Transportation. Transportation; business organization; control-ership. Publ: Taxation of air commerce; Cost of air transportation. Address: 2023 Jameson St, Hillcrest Heights, Md. 20031.
- SONSTEGAARD, DR. MILES H(ARRY), b. Osnabrock, N.Dak, July 5, 24; m. 50; c. 4. ECONOMICS, OPERATIONS ANALYSIS. B.S.C. North Dakota, 50; M.B.A. Denver, 51; Ph.D. Oregon, 58; Centenary Col, 58-59. Statistician, Arkansas, 54-57; economist, United Gas Corp, 57-64; SR. INDUST. SPECIALIST, INDUST. RES. & EXTEN. CENTER, ARKANSAS, 64- U.S.A., 43-46. Econ. Asn; Transportation Res. Forum; Economet. Soc. Operations research; regional economics, especially of Arkansas; plant location theory; energy economics; economics of transportation, public utilities and natural resources. Publ: Economic situation in Arkansas, Ark. Bus. Bull; Ton-mile estimates for the natural gas pipeline industry, Gas, 6/64. Address: Industrial Research & Extension Center, University of Arkansas, P.O. Box 3017, Little Rock, Ark. 72202.
- SONSTEGARD, PROF. MANFORD A(LDRICH), b. New London, Minn, Feb. 23, 11; m. 39; c. 4. PSYCHOLOGY, GUIDANCE. B.E. Minn. State Teachers Col, 37; M.A. Minnesota, 41; Ph.D.(ed, psychol, sch. admin, guid, counseling), Northwestern, 51. Teacher, rural sch, Minn, 30-34, prin, elem. schs, 35-36, jr. high sch, 37-42, high sch, 42, counsr. & supvr, 45; asst. prof. soc. studies, Iowa State Teachers Col, 45-49, assoc. prof. & child guid. consult, 50-55; asst. ed. psychol, Northwestern, 49-50; teacher & adv, U.S. Opers. Mission, Ethiopia, 55-56; acting area prog. dir, Eritrea, Africa, 56-57; dir. guid. & counseling, Malcolm Price Lab. Sch, State Col. Iowa, 57-63, prof. teaching col, 59-63; PROF. guid. & ed. psychol, Southern Illinois, Edwardsville, 63-67, GUID. & COUNSELING, WEST VIRGINIA, 67- Dir, Iowa Community Centers Guid, Parent & Children, 51-; Teachers Training Sch, Ethiopia, 55-56; summers, lectr, Knox Col, B.W.I, 59, vis. prof, Wayne State, 59-61. Consult, Ministry Ed, Ethiopia, 56-57; pub. schs, Iowa, 59-61; Andrews Independent Sch. Dist, Tex, 61; basic adult ed. prog, Ed. Sysys. Corp. Off. Econ. Opportunity, 67-; Yough Sch. Dist, Pa, 68- Psychol. Asn; Personnel & Guid. Asn; Soc. Adlerian Psychol.(exec. secy, 60-65, pres, 65-67); N.Y. Acad. Sci. Effects of group counseling methods upon behavioral correction of dysfunctioning children. Publ: Interaction processes and personality growth of children, Group Psychother; co-auth, Helping student teachers utilize consultant services; co-ed, Adlerian family counseling, a manual for counseling centers. Address: 62 Oglebay Hall, West Virginia University, Morgantown, W.Va. 26506.
- SOPCHAK, DR. ANDREW L(EO), b. Auburn, N.Y., Jan. 2, 19; m. 50; c. 1. CLINICAL PSYCHOLOGY. A.B. Syracuse, 46, M.A. 48; fel, Sloan Kettering Inst. & Mem. Hosp, 56-58; Ph.D. Adelphi Col, 57. Instr. psychol, Maine, 47-52; asst. Adelphi Col, 53-55; intern clin. psychol, Mem. Hosp, 55-56; CHIEF PSYCHOLOGIST, Middlesex County Ment. Health Clin, 58-60; DePaul Clin, 60-61; ONONDAGA COUNTY CHILD GUID. CLIN, 61-, ASST. DIR, 62- Clin. instr. State Univ. N.Y. Upstate Med. Center, 62-; lectr, Syracuse, 62- Psychol. consult, DePaul Clin, 61- AAAS; Psychol. Asn; Group Psychother. Asn; N.Y. Acad. Sci. Identification in the process of personality development; music as a projective technique for evaluating personality as a therapeutic agent; physical symptoms related to psychological stresses. Publ: Parental identification and tendency toward disorders as measured by the MMPI; Individual differences in response to different types of music; Exogenous sex hormones and their relation to lifelong adaptations in women with metastatic breast cancer. Address: 17 Heritage Circle, Syracuse, N.Y. 13209.
- SOPHER, PROF. DAVID E, b. China, Feb. 26, 23; nat. GEOGRAPHY. A.B. California, 48, M.A. 50, Ph.D. 54. Instr. GEOG, Minnesota, 51-54; res. assoc. Am. Geog. Soc, 54-55; Santa Clara County Planning Cmn, Calif, 55-56; asst. prof, Sacramento State Col, 56-63, assoc. prof, 63-64; PROF, SYRACUSE, 64- Asn. Am. Geog; Asn. Asian Studies. Human geography, especially of South Asia. Publ: Geography of religions, Prentice-Hall, 67; The sea nomads, Mem. Nat. Mus, Singapore, 65. Address: Dept. of Geography, Syracuse University, Syracuse, N.Y. 13210.
- SORAUF, PROF. FRANK J, b. Grand Rapids, Mich, May 31, 28. POLITICAL SCIENCE. B.A. Wisconsin, 50, M.A. 52, Ph.D.(polit. sci), 53; Harvard, 50-51. Instr. polit. sci, Pa. State, 53-55, asst. prof, 55-60; vis. assoc. prof. govt, Arizona, 60-61; asst. prof. POLIT. SCI, MINNESOTA, MINNEAPOLIS, 61-62, assoc. prof, 62-65, PROF, 65-, CHMN. DEPT, 66- Polit. Sci. Asn. (Atherton award, 62). Political parties; constitutional law; judicial process; American politics. Publ: Party and representation, Atherton, 63; Political parties in the American system, 64 & Party Politics in America, 68, Little. Address: Dept. of Political Science, University of Minnesota, 1414 Social Sciences, Minneapolis, Minn. 55455.
- SORCHER, DR. MELVIN, b. New York, N.Y., Feb. 26, 30; m. 57; c. 3. SOCIAL & INDUSTRIAL PSYCHOLOGY. B.S. Long Island, 51, M.A. 52; Ph.D. (psychol), Syracuse, 65. CONSULT, PSYCHOL. FIELD RES, GEN. ELEC. CO, 65- Lectr, Syracuse Univ, 65- U.S.A., 52-54, S/Sgt. Psychol. Asn. Social-psychological factors and issues in an industrial environment, in areas such as motivation, attitudes, conflict, performance. Publ: Cementing union relationships at the bottom, Personnel J, 11/67; co-auth, Motivating factory employees, Personnel, 1-2/68 & Eight ways to motivate factory employees, Supv. Mgt, 2/68. Address: 6324 Danbury Dr, Jamesville, N.Y. 13078.
- SORENSEN, PRES. CLARENCE WOODROW, b. Loup City, Nebr, Apr. 6, 07. GEOGRAPHY. Ph.D. Chicago, 51. Spec. lectr. geog, Minnesota, 38-48; asst. prof, Illinois State, 49-50, assoc. prof, 51-56, prof, 56-62, dean grad. sch, 59-62; PRES, AUGUSTANA COL, 62- Consult, Encyclop. Britannica Films. Asn. Am. Geog. Urban and educational geography. Publ: Co-auth, Learn-

ing to look at our world, The changing New World & The changing Old World. Address: Office of President, Augustana College, Rock Island, Ill. 61201.

SORENSEN, ERIC EDGAR, b. Red Deer, Alta, Jan. 27, 20; m. 48. OPERATIONS ANALYSIS. B.Sc. Queen's (Ont), 42. Supvr. ops. res. Brit. Am. Oil Co. Ltd, 53-58, dir. ops. res, 58-61; supvr. ops. res. Tidewater Oil Co, 61-62; dir. ops. res. Dole Corp, Calif, 62-63; consult, Planet Assoc, 63-65; MGR. OPERS. RES. MATSON RES. CORP, 65- Can. Army, 42-46. Capt. Ops. Res. Soc. Am; Inst. Mgt. Sci; Can. Oper. Res. Soc. Statistics; design of experiments; linear programming; gaming theory; industrial mathematical model building; planning and control. Publ: Automation and operations research, Chem. in Can; Operations research and computers in an integrated oil company, Proc. Can. Conf. Comput. & Data Processing; Regional rain model with space and time correlated structure, Inst. Mgt. Sci, 11/67. Address: 66 Cleary Court, San Francisco, Calif. 94109.

SORENSEN, DR. HAROLD B, b. La Moure, N.Dak, Apr. 4, 16; m. 41; c. 2. AGRICULTURAL ECONOMICS. B.S. S.Dak. State Col, 40; M.S. Okla. Agr. & Mech. Col, 48; Minnesota, 49-51; Ph.D. Texas A&M, 55. Asst. prof. AGR. ECON. TEXAS A&M, 51-56, ASSOC. PROF. 56-, MEM. GRAD. SCH. FACULTY, 60-, assoc. mem. 56-60. Proj. leader, Tex. Agr. Exp. Sta, 51- Summer U.S. Agency Int. Develop. consult, Dominican Repub, 65 & 66. Tex. Agr. Exp. Sta. rep, secy, & chmn, South. Regional Veg. Mkt. Tech. Cmty; secy & chmn, South. Regional Hort. Specialties Mkt. Tech. Cmty; Tex. Agr. Exp. Sta. rep. & v-pres, South. Regional Citrus Mkt. Tech. Cmt. U.S.A., 43-46, Sgt. Agr. Econ. Assn. Marketing of fruits, vegetables and ornamental plants. Publ: Today's magic fruit and vegetable market, 8/65, co-auth, A surging industry—Texas wood, summer 66 & auth, Expansion . . . marks Texas nursery industry, spring 67, Tex. Agr. Progress. Address: Dept. of Agricultural Economics, Texas A&M University, College Station, Tex. 77843.

SORENSEN, DR. MOURITS A(XEL), b. Bemidji, Minn, July 8, 21; m. 42; c. 1. PSYCHOLOGY. B.S. Bemidji State Col, 49; M.A. Washington (St. Louis), 51; Ed.D.(psychol), North Dakota, 64. Teacher, Pub. schs, 49-61; ASSOC. PROF. COUNSELING, NORTHERN ILLINOIS, 61- U.S.A.F. 40-46, T/Sgt. Psychol. Asn; Personnel & Guid. Asn. Evaluation of psychological testing and counseling. Publ: Low ability dropouts versus low ability graduates, 10/60 & Counseling marginal students on classroom behavior, 5/62, Personnel & Guid. J; Geographic influence on SVIB F-M scores, Sch. Counsr, 5/63. Address: 407 Gayle Ave, De Kalb, Ill. 60115.

SORENSEN, DR. PAUL G(ILBERT), b. Chicago, Ill, Feb. 18, 25; m. 54; c. 2. PSYCHOLOGY. B.S. Wisconsin, 48; M.A. Hawaii, 51; Oxford Univ, 54-55; fel, Purdue, 55-57, Ph.D.(modifying behav), 57. Personnel exam. test develop, State Bur. Personnel, Wis, 48-49; consult. clin. psychol, Tripler Gen. Hosp, Honolulu, Hawaii, 49-51; indust. rels. analyst, Arabian Am. Oil Co, 52-54; clin. & res. psychologist, Warneford & Park Hosps, Oxford, Eng, 54-55; personnel studies coordinator soc. sci. indust, Lago Oil & Transport Co, Ltd, Aruba, Netherlands Antilles, 57-60, mgr. develop. & compensation, 60-64; mgt. develop, Univac, N.Y. 64-65; v-pres, Irwin A. Zuckerman, Inc, 65-66; PRES, PARALLEL PLANNING CORP, 66- Personnel consult, State of Hawaii, 49-51. AAAS; Psychol. Asn; Indust. Rel. Res. Asn. General management consulting; executive counsel; selection systems. Address: 10 Vine St, Bronxville, N.Y. 10708.

SORENSEN, DR. PHILIP H(OWARD), b. Bellingham, Wash, Dec. 26, 24; m. 50; c. 3. PSYCHOLOGY. B.A. & B.Ed. Washington State, 48, M.A. 50; Oregon, 50-52; summer, Reed Col, 52; Kans. State Col, 52-54; Rosenberg fel, Stanford, 55-56, Ph.D.(ed. psychol), 58. Asst. counsr, Washington State, 48-50; soc. adv. pub. schs, Ore, 50-52; asst. dean students, Kans. State Col, 52-55; psychologist, STANFORD RES. INST, 56-63, SR. PSYCHOLOGIST, 63- Lectr, Stanford, 57-58, summer, 65. U.S.N.R. 42-46, Res, 46-, Comdr. Psychol. Asn; Ed. Res. Asn; Research Soc. Human learning; personal, group and organizational functioning and effectiveness; educational systems and procedures; multivariate analyses of personnel performance in institutional settings. Address: 968 Elsinore Court, Palo Alto, Calif. 94303.

SORENSEN, DR. ROBERT C(HAKIN), b. Lincoln, Nebr, Sept. 7, 23; m. 43; c. 2. SOCIAL PSYCHOLOGY, POLITICAL SCIENCE. A.B. Chicago, 44, M.A. 48, Ph.D.(sociol), 54; fel, Northwestern, 47-48. Dir. labor rels, Scott Radio Labs, Inc, 45-46; dir. pre-legal div, John Marshall Law Sch, 46-48; asst. prof. law, Nebraska, 48-52; ops. analyst & Korean team leader, ops. res. off, Hopkins, 52-54; dir. audience res, Radio Free Europe, Germany, 54-58; dir. res. United Newspapers Mag. Corp, 59-61; v-pres. & dir. res, D'Arcy Advert. Co, Inc, 61-66; EXEC. DIR. CENTER ADV. PRACTICE, INTERPUB. INC, 66- V.chmn. tech. cmt. Advert. Res. Found. & chmn. cmt. for joint Adv. Res. Found-DuPont visual effectiveness study. AAAS; fel. Sociol. Asn; Mkt. Asn; Polit. Sci. Asn; Asn. Pub. Opinion Res. Design and application of behavioral science research to policy problems and decision making in advertising and marketing, political warfare, civil and criminal litigation and mass communications. Publ: Sociological aspects of psychological warfare, In: Contemporary sociology; co-auth, Admissibility and use of opinion research evidence, N.Y. Univ. Law Rev. Address: Center for Advanced Practice, Interpublic Inc, 485 Lexington Ave, New York, N.Y. 10017.

SORENSEN, DR. A(LMA) GARTH, b. Aurora, Utah, Apr. 8, 18; m. 46; c. 2. EDUCATIONAL PSYCHOLOGY. Ph.D.(ed. psychol), Utah, 50. Asst. prof. ED. PSYCHOL, Utah, 50-53; CALIFORNIA, LOS ANGELES, 53-60, assoc. prof, 60-68, PROF, 68- U.S.A., 42-46. Psychol. Asn. Personality; learning; selection of personnel. Publ: Teacher selection, Education; Changes in GATB scores with college training, Calif. J. Ed. Res; Note on the fakability of the Minnesota teacher attitude inventory, J. Appl. Psychol. Address: 17741 Lull St, Reseda, Calif. 91335.

SORENSEN, PROF. FRANK E, b. Phillips, Nebr, Mar. 20, 03; m. 30; c. 2. GEOGRAPHY. B.A. Nebraska, 32, M.A. 36, Ph.D., 40, Ohio State, 36-37. Instr, NEBRASKA, 38-39, asst. prof. sec. ed, 39-42, assoc. prof, 42-43, sch. admin. & sec. ed, 45-47, PROF. SEC. ED. & LECTR. GEOG, 48-, DIR. SUMMER SESSIONS & CHMN. DEPT. ED. SERV, 47-, supvr. soc. sci,

teachers col. high sch, 38-42. Dir. supy. & curriculum, State Dept. Pub. Inst, Nebr, 43-45; ed. & tech. training, Tech. Coop. Admin, 52-53. Chmn. tech. assistance bd, Link Found; former mem, Air Training Command Adv. Bd; mem, Men of Space Adv. Bd; NASA Ed. Adv. Cmt; Coun. Soc. Studies. Brewer award, 46; Vandenberg award, 59; U.S. Air Force citation of honor, 62; citation of honor, Air Force Asn, 64. Asn. Am. Geog; Coun. Geog. Ed. Educational geography; elementary and secondary school curriculum; aerospace education. Publ: Co-auth, Exploring near and far; Knowing our neighbors; auth, Countdown in education, Overview. Address: 103 Teachers College, University of Nebraska, Lincoln, Nebr. 68508.

SORENSEN, PROF. HERBERT, b. Dawson, Minn, Apr. 12, 98; m. 24; c. 1. EDUCATIONAL PSYCHOLOGY. B.S. Minnesota, 24, M.A. 25, Ph.D.(psychol), 28. Statistician, Northwestern, 24-25; asst. ed. psychol, Minnesota, 25-26, instr, 26-28, asst. prof, 28-37, assoc. prof, 37-38; pres, Minn. State Teachers Col, Duluth, 38-46; surv. higher ed. in Ky, Guffenhausen & Assocs, 46-47; prof. ED. PSYCHOL, Kentucky, 47-49, Distinguished Prof, 49-67; PROF, SOUTH FLORIDA, 67- Grant, Carnegie Corp, 33-35; Fulbright lectr, Oslo, 50-51. AAAS; Psychol. Asn. Adult abilities; motivation and guidance; statistics. Publ: Statistics for students of psychology and education; Psychology in education, 4 eds; co-auth, Psychology for living, 3 eds. Address: College of Education, University of South Florida, Tampa, Fla. 33620.

SORENSEN, DR. JAY B, b. New York, N.Y, Apr. 23, 29; m. 59. COMPARATIVE GOVERNMENT, POLITICS. B.S. Columbia, 53, M.A. 56, Ph.D. 62; U.S.-U.S.S.R. exchange grant, 58; Fulbright fel, 59-60; Danish State grant, 59-60; Am. Scandinavian Found. grant, 60-61. Lectr. Am. Govt, Columbia, 58-59; instr. Soviet polit, Princeton, 60-62, ASST. PROF, 62-65; GOVT, SMITH COL, 65- Lectr, City Col. New York, 58-59. Polit. Sci. Asn. Soviet industrialization; labor in western Europe, Soviet Russia and underdeveloped countries. Publ: What do Soviet trade unions do? Bus. Week; Behind Khrushchev's smokescreen, Horizons. Address: Dept. of Government, Smith College, Northampton, Mass. 01060.

SORENSEN, DR. JOHN L(EON), b. Smithfield, Utah, Apr. 8, 24; m. 46; c. 8. ANTHROPOLOGY. B.S. Brigham Young, 51, M.A. 52, M.S. Calif. Inst. Tech, 52; Nat. Sci. Found. fel, California, Los Angeles, 55-58, Ph.D. 61. Archaeologist, New World Archaeol. Found, 53; instr. archaeol, Brigham Young, 53-55, asst. prof. anthrop, 58-62, assoc. prof, 62-64; mem. tech. staff, GEN. RES. CORP, 64-67, DIR. BEHAV. SCI. DIV, 67- Soc. sci. analyst, U.S. Naval Ord. Test. Sta, Calif, 62-63. U.S.A.A.F. 43-46, Res, 50-51, 1st Lt. Fel. Anthropol. Asn; fel. Soc. Appl. Anthropol. Nuclear American culture history; theory and method in study of industrial societies; behavioral sciences study of insurgency; structure and process of science, especially anthropology. Publ: Chronological ordering of the Mesoamerican preclassic, Mid. Am. Res. Records, 55; Urban insurgency studies, 66 & Social costs, benefits for urban transportation planning, 67, Gen. Res. Corp. Address: 2601 Mesa School Lane, Santa Barbara, Calif. 93105.

SORENSEN, DR. L(EONARD) ORLO, b. Minn, Dec. 14, 23; m. 52. AGRICULTURAL ECONOMICS. B.S. Minnesota, 51, M.S. 53, Ph.D.(agr. econ), 63. Asst. prof. AGR. ECON, KANSAS STATE, 55-64, ASSOC. PROF, 64- Vis. lectr, Minnesota, 62-63. U.S.A., 42-46. Agr. Econ. Asn. Agricultural marketing. Address: Dept. of Agricultural Economics, Kansas State University, Manhattan, Kans. 66502.

SORENSEN, PROF. VERNON L(YLE), b. Filmore County, Minn, Dec. 18, 22; m. 45; c. 4. AGRICULTURAL ECONOMICS. B.A. & M.S. Minnesota, 48, fel, 51-53, Ph.D. 53. Bus. analyst, St. Paul Bank for Coops, 49-50; asst. prof. AGR. ECON, MICH. STATE, 53-58, assoc. prof, 58-66, PROF, 66- Prin. admin. & consult, agr. & int. policy, Orgn. Econ. Coop. & Develop, 64-66. U.S.N. 43-45. Agr. Econ. Asn.(award, 53). Agricultural marketing; international trade. Address: 2048 Roseland Ave, East Lansing, Mich. 48823.

SORENSEN, DR. WAYNE W, b. Twin Falls, Idaho, Apr. 27, 35; m. 58; c. 2. INDUSTRIAL PSYCHOLOGY, PSYCHOLOGICAL MEASUREMENT. B.B.A. Minnesota, 59, M.A. 61, Ph.D.(indust. psychol), 64. Indust. psychologist, Eastman Kodak Co, 64-67; DIR. RES, STATE FARM INS. CO, 67- U.S.A., 54-56. Psychol. Asn. Measurement and understanding of human behavior within organization based on sound, experimental and statistical designs. Publ: Tests of mechanical principle as a suppressor variable for the prediction of a mechanical repair job, J. Appl. Psychol, fall 66; co-auth, Response set in interest inventory triads, Ed. & Psychol. Measurement, 65. Address: State Farm Insurance Co, 112 E. Washington St, Bloomington, Ill. 61701.

SORIANO, DR. ABRAHAM, b. Jerusalem, Israel, July 27, 30; U.S. citizen; m. 60; c. 1. MANAGEMENT SCIENCE, OPERATIONS RESEARCH. B.I.E. Rensselaer Polytech, 54; M.S.E. Hopkins, 60, Ph.D.(opers. res), 62; Nat. Sci. Found. res. fel, Cornell, 60-61. Res. engr. ops. res. & indust. eng, U.S. Elec. Motors, Inc, 54-56; ops. res. researcher, Hopkins, 56-60; supvr. ops. res. group, autometrics div, N.Am. Aviation, Inc, 62-63; Inst. Defense Anal. sci. consult, weapons eval group, Off. Secy. Defense, 63-67; MGR. MGT. SERV. CENT. RES. DIV, AIRCO, INC, MURRAY HILLS, 67- Ops. Res. Soc; Inst. Mgt. Sci; Inst. Math. Statist. Quantitative analyses in support of decision making in business and industrial problems as well as military and defense areas. Publ: Co-auth, On the economic application of airlift to resupply and its impact on inventory levels, Inst. Defense Anal, 10/67; auth, On the problem of batch arrivals and its application to a scheduling system & Comparison of two scheduling systems, Ops. Res. J, 5-6/66. Address: Claridge House Apt. 905, Claridge Dr, Verona, N.J. 07044.

SORKIN, DR. CYLVIA A(ARON), b. St. Louis, Mo, Nov. 29, 14; m. 36; c. 2. ECONOMICS. B.S. Washington (St. Louis), 35, M.S. 36, Ph.D. 41. Asst. to prof, Washington (St. Louis), 38-41, instr. sch. bus, 41-43, asst. prof. commerce & finance, 43-50, chmn. grad. sch. div. counseling & personnel, 48-50; BUS. CONSULT. & LECTR, 50- Mem. defense adv. cmt. women serv, U.S. Dept. Defense, 54-58. Leffingwell Key in Mgt. Econ. Asn; Statist. Asn; Acad. Polit. & Soc. Sci. Human relations; personnel problems; opinion research surveys in the fields of management; psychological and human

interest studies in the area of executive development for women in business. Publ: Are you normal?; Would you hire yourself?; How to handle the boss! Address: 2 Jaccard Lane, St. Louis, Mo. 63131.

SORKIN, DR. ROBERT D, b. New York, N.Y., May 24, 37; m. 60; c. 2. PSYCHOLOGY. B.S.E.E, Carnegie Inst. Tech, 58; M.A, Michigan, 62, Ph.D. (psychol), 65. Engr, Martin Co, 58-60; asst. res. engr. & teaching fel, Michigan, 60-63, assoc. res. engr, sensory intel. lab, 63-65; asst. prof. PSYCHOL, PURDUE, 65-68, ASSOC. PROF, 68- Lectr, Michigan, 64. U.S.A, 60. AAAS; Acoustical Soc. Am. Experimental psychology; sensory psychology; psychoacoustics; mathematical psychology. Publ: Extension of the theory of signal detectability to matching procedures in psychoacoustics, 62 & Uncertain signal detection with simultaneous contralateral cues, 65, J. Acoustical Soc. Am; Temporal interference effects in amplitude discrimination, J. Perception & Psychophys, 66. Address: Dept. of Psychology, Purdue University, Lafayette, Ind. 47907.

SOROKIN, PROF. PITIRIM A(LEXANDROVITCH), Sociol, see 10th ed, Soc. & Behav. Vols, deceased 68.

SORREL, DR. WILLIAM E(DWIN), Neuropsychiat, see 11th ed, Phys. & Biol. Vols.

SORRELL, DR. VERNON G(UY), b. Irving, Kans, Oct. 17, 97. ECONOMICS. A.B, Iowa, 22; A.M, Illinois, 24; Ph.D, California, 29. Asst. prof, Oregon, 29-30; prof. econ. & bus. admin. & head dept, New Mexico, 30-47, dean col. bus. admin, 47-63; RETIRED. Dist. price officer, Off. Price Admin, N.Mex, 42-43, regional price exec, Colo, 43-44. Ed, N.Mex. Bus. Rev, 31-40. Econ. Asn; Polit. Sci. Asn. Address: 1236 Girard Blvd. N.E, Albuquerque, N.Mex. 87106.

SORSBY, DR. FELMAN B(ASCOM), b. Hempstead, Tex, Aug. 27, 22; m. 47; c. 4. PSYCHOLOGY. B.A, Texas, 47; M.S, Pittsburgh, 49, Ph.D, 51. Lectr, Pittsburgh, 49-50; psychologist, Vet. Admin. Hosp, Temple, Tex, 51-55, Little Rock, Ark, 55-59, Danville, Ill, 59-61, chief psychologist, Vet. Admin. Center, Jackson, Miss, 61-66; CONSULT. PSYCHOLOGIST, 66- Dipl. Am. Bd. Exam. Prfnl. Psychol, 57. U.S.A.A.F, 42-46. Psychol. Asn. Psychological counseling; psychotherapy; rehabilitation. Address: 1443 Springdale Dr, Jackson, Miss. 39211.

SOSKIN, DR. WILLIAM F(RANCIS), b. Hamtramck, Mich, Aug. 15, 16; div. PSYCHOLOGY. B.S, Mich. State Norm. Col, 40; M.A, Michigan, 43, Ph.D. (psychol), 47; Ed.M, Harvard, 43. Psychotherapist, Habit Clin, Boston, Mass, 43-45; instr. psychol, Michigan, 45-47; asst. prof, Chicago, 48-55; dir. task force res, Joint Cmn. Ment. Illness & Health, 56-59; res. assoc, McLean Hosp, sch. med, Harvard, 59-62; psychologist, off. planning, Nat. Inst. Ment. Health, 62-66; vis. lectr. psychol, CALIFORNIA, BERKELEY, 66-67, RES. PSYCHOLOGIST, PSYCHOL. CLIN, 67- Consult, Joint Cmn. Ment. Health Children & Youth, 67-68. AAAS; Psychol. Asn; Orthopsychiat. Asn. Personality and psychopathology; vocal communication; social interaction; psychotherapy; patterns of drug use among adolescents and youth; development of new forms of psychotherapy for adolescent drug users. Publ: Influence of four types of data on diagnostic conceptualization in psychological testing, J. Abnorm. & Soc. Psychol, 56: 69-67; co-auth, Judgement of emotion in word-free voice samples, J. Commun, 9: 73-80 & The study of spontaneous talk, In: The stream of behavior, Appleton, 63. Address: Psychology Clinic, Tolman Hall, University of California, Berkeley, Calif. 94720.

SOSNICK, DR. STEPHEN H(OWARD), b. Portland, Ore, Feb. 24, 30; m. 51; c. 4. AGRICULTURAL ECONOMICS. B.A, California, 50, Ph.D(econ), 56. Instr. econ, Princeton, 54-57; PROF. AGR. ECON, CALIFORNIA, DAVIS, 57- Nat. Sci. Found. fel, 63-64. Econ. Asn; Agr. Econ. Asn(res. award, 63). Agricultural marketing; industrial organization; economic theory. Publ: A critique of concepts of workable competition, Quart. J. Econ; Stock dividends are lemons, not melons, Calif. Mgt. Rev; Depreciation: the offsetting interest method, Acct. Rev. Address: Dept. of Agricultural Economics, University of California, Davis, Calif. 95616.

SOTO, ANTHONY, O.F.M, b. Tucson, Ariz, Oct. 22, 21. SOCIOLOGY. B.A, San Luis Rey Col, 44; M.A, Catholic Univ, 50. Prof. sociol, San Luis Rey Col, 50-67. Sociol. Asn. Sociology of rural and minority groups, including migrant workers; religious sociology. Publ: Migrants in your parish, Homiletic & Pastoral Rev; The Bracero story, Commonwealth; The Bracero, Cath. Rural Life. Address: Our Lady of Guadalupe, 2020 E. San Antonio St, San Jose, Calif. 95116.

SOUDEK, PROF. JOSEF, b. Podmokly, Czech, May 31, 05; nat; m. 32. ECONOMICS. Dipl, Frankfurt, 27, Dr. rer. pol, 28. Res. assoc, inst. soc. res, Columbia, 36-42; instr. ECON, QUEENS COL.(N.Y.), 42-47, asst. prof, 47-53, chmn. dept, 51-56, assoc. prof, 53-62, PROF, 62- Lectr, sch. gen. studies, Columbia, 45-58, assoc. seminar on renaissance, 60-; Ford faculty fel, 53-54; Am. Coun. Learned Socs. grant, 59. Invest. counsr, Socres Corp, 37-45. Econ. Asn. International economics; monetary theory; history of economic thought. Publ: Social consequences of business cycles; auth, Aristotle's theory of exchange, Proc. Am. Philos. Soc; co-auth, German experience with stocks and inflation, Bankers Mag. Address: Dept. of Economics, Queens College, Flushing, N.Y. 11367.

SOUERWINE, DR. ANDREW H(ARRY), b. Slatington, Pa, Feb. 29, 24; m. 49; c. 2. PSYCHOLOGY. A.B, Ursinus Col, 47; A.M, Pennsylvania, 48; Ph.D. (psychol), Connecticut, 54. Asst. psychol. dept, Pennsylvania, 47-49; instr. psychol, Trinity Col.(Conn), 49-54, asst. prof, 54-58, acting head dept, 54-56, chmn. dept, 56-58; staff psychologist, Travelers Ins. Co, 58-59, dir. mgt. confs, 59-63, asst. secy, 63-66, dir. career planning & develop, 66-67; ASSOC. PROF. INDUSTR. ADMIN. & ADMINSTR. HARTFORD MBA PROG, CONNECTICUT, 67- Res. assoc, Psychol. Corp, 51-53; assoc. Personnel Lab, 54-58; George Fry & Assocs, 56-58; vis. lectr, grad. prog, Univ. Hartford, 59-61; Hartford Col. Women, 60-62; Connecticut, 63-67. U.S.A, 43-46. Psychol. Asn. Industrial psychology; psychology as science; management development. Publ: Relationships between parents and sons on authoritarianism, Am. Psychol; More value from personnel testing, Harvard Bus. Rev;

Motivating career employees, Proc. Annual Conf. Life Off. Mgt. Asn, 64. Address: School of Business Administration, University of Connecticut, 39 Woodland St, Hartford, Conn. 06105.

SOUKUP, GERVASE JOSEPH, O.S.B, b. St. Paul, Minn, Jan. 9, 20. ECONOMIC, FINANCE. A.B, St. John's (Minn), 42; A.M, St. Louis, 50, Ph.D, 54. Bursar & asst. bus. mgr, ST. JOHN'S (MINN), 48-48, instr. ECON, 52-56, asst. prof, 56-62, ASSOC. PROF, 62- Gen. Elec. fel, Chicago, 64. Econ. Asn. Labor and agricultural economics; investments. Publ: Descriptive analysis of the St. Louis, Missouri, milk market, 1946-1951. Address: Dept. of Economics, St. John's University, Collegeville, Minn. 56321.

SOUKUP, DR. JAMES R(UDOLPH), b. Madison, Ill, Nov. 3, 28; m. 51; c. 1. POLITICAL SCIENCE. B.A, Wayne State, 50; M.A, Minnesota, 52; Fulbright res. grant, Japan, 54-56; fel, Michigan, 55-56, Ph.D, 57. Asst. surv. res. center, Michigan, 53-54; instr. polit. sci, TEXAS, AUSTIN, 56-59, asst. prof, 59-64, ASSOC. PROF. GOVT, 64-, ASSOC. DIR. ASIAN CENTER, 66- Fulbright res. grant, Japan, 61-62; Fulbright-Hays res. grant, Japan, 67-68. Chmn, Nat. Screening Cmt. Student Fulbright Grants to Asian Countries, 65-66. Polit. Sci. Asn; Asn. Asian Studies. Comparative study of parties and interest groups; the Japanese political process; Texas politics. Publ: Co-auth, Party and factional division in Texas, Univ. Texas, 64; auth, Labor and politics in postwar Japan: a study of interest group attitudes and activities, J. Polit. & Business political participation in Japan: continuity and change, In: Studies on Asia, Vol. VI, 65. Address: 7006 Shoal Creek Blvd, Austin, Tex. 78731.

SOULE, DR. DON M(ARION), b. Hoquiam, Wash, Feb. 3, 24; m. 50; c. 2. REGIONAL ECONOMICS, PUBLIC FINANCE. B.A, Washington (Seattle), 49; M.S, Wisconsin, 51, Ph.D.(econ, pub. finance), 53. Asst. Wisconsin, 51-53; asst. prof. ECON, Humboldt State Col, 53-55; Illinois, 55-59; KENTUCKY, 59-61, ASSOC. PROF, 61-, COORDINATOR GRAD. STUDY ECON, 67- DIR. res. labor statist, Ky. Dept. Labor, 64-65, adv. res. & statist, 65-67. Consult, Kroger Co, Ohio, 61. U.S.N, 41-45. Taxation. Publ: Shifting of corporate income tax, J. Finance; Are interstate tax load differences important as business costs?, Taxes; Ability-to-pay taxation as discriminatory pricing of government services, Land Econ, 5/67. Address: Dept. of Economics, University of Kentucky, Lexington, Ky. 40506.

SOULE, GEORGE, b. Stamford, Conn, June 11, 87; m. 39; c. 1. ECONOMICS. B.A, Yale, 08. Ed, New Rep, 23-46; vis. prof. econ, Rutgers, 48-49; prof, Bennington Col, 49-57; RETIRED. Dir. at large, Nat. Bur. Econ. Res, 22-; Sterling Mem. lectr, law sch, Yale, 40; vis. prof, Colgate, 58; Wash. Col, 58-59; Tennessee, 61-62. Consult. & ed, Twentieth Century Fund, 49-55. U.S.A, 18, 2nd Lt. Fel. AAAS. Economic growth; labor; social and economic history. Publ: Time for living, 55 & Planning U.S.A, 67, Viking; The evolution of central economic planning from before World War I: a trend with meaning to the future, Saturday Rev, 1/13/68. Address: 31 Gibson St, Cambridge, Mass. 02138.

SOULE, DR. JOHN, b. Detroit, Mich, May 22, 41; m. 62; c. 2. POLITICAL SCIENCE. B.A, Mich. State, 64, fel, 65, M.A, 66; Ph.D.(polit. sci), Kentucky, 68. ASST. PROF. & RES. ASSOC. POLIT. SCI, FLA. STATE, 67- Polit. Sci. Asn. Political psychology; political parties; pressure groups; legislative behavior; methodology. Address: Dept. of Government, Florida State University, Tallahassee, Fla. 32306.

SOURS, DR. JAMES K(INGSLEY), b. Corydon, Iowa, Sept. 16, 25; m. 47; c. 3. POLITICAL SCIENCE. B.A, Wichita, 49; fel. & M.P.A, Harvard, 51, Ph.D, 54. Dir. student personnel serv, Wichita, 51-56, asst. prof. polit. sci. & asst. to pres, 51-58, dean students, 56-60, prof. polit. sci. & head dept, 58-65, dean univ. col, 61-65; EXEC. V.PRES. & V.PRES. ED. SERV, AM. COL. TESTING PROG, 65- U.S.N.R, 43-46. Soc. Pub. Admin. Municipal government and administration; intergovernmental relations. Publ: Some observations on the management of large cities. Address: 2842 Eastwood Dr, Iowa City, Iowa 52240.

SOUTH, DR. ORON P(ERCY), b. Cullman, Ala, May 27, 17; m. 48. BEHAVIORAL & SOCIAL SCIENCE. B.S, Auburn, 39, M.S, 40; Ph.D.(hist), Vanderbilt, 67. Asst. prof. hist, Auburn, 45-46; res. assoc, aerospace studies inst, Air Univ, 47-64; consult. orgn. change, 64-67; assoc. prof. appl. behav. sci, Vanderbilt, 67-68; PROG. DIR, MIDWEST GROUP HUMAN RESOURCES, 68- Prof. lectr, George Washington, 61-63; vis. lectr, Vanderbilt, 65-67. Consult, Atomomic Res. Center, Ala, 59-64. Mem, inst. appl. behav. sci, Nat. Training Labs. U.S.A, 42-46, Lt. Col. Acad. Polit. & Soc. Sci. Applied behavioral science; learning models in experience-centered training and education; philosophy and method in social science research. Publ: New dimensions in leadership, Air Univ. Quart. Rev, 60; Air warfare, In: Collier's Encyclop, 62; The case for a regional organization to facilitate personal and social growth, Mind over matter, 67. Address: 2 W. 40th, Suite 200, Kansas City, Mo. 64111.

SOUTHALL, DR. AIDAN WILLIAM, b. Nuneaton, Eng, Sept. 11, 20; m. 45; c. 2. ANTHROPOLOGY, SOCIOLOGY. B.A, Cambridge, 42, M.A, 57; Ph.D. (soc. anthrop), London Sch. Econ, 52. Lectr. soc. studies, Makerere Univ. Col, Uganda, 45-48; res. fel. soc. anthrop, Colonial Off, London, 49-51; E.African Inst. Soc. Res, Uganda, 51-57, chmn. inst, 57-61; prof. sociol. & soc. anthrop, Makerere Univ. Col, 57-64, dean faculty soc. sci, 63-64; PROF. ANTHROP, SYRACUSE, 64- Vis. prof, Chicago, 61-62; California, Los Angeles, 62; Nat. Sci. Found. res. grant, Madagascar, 66-67. Anthropol. Asn; African Studies Asn. Ethnography of Africa in general; Nilotic societies, particularly East Africa and Madagascar; political anthropology; stateless society; structural anthropology; religion and social change; urban anthropology. Publ: Alur society: a study in processes and types of domination, Heffer, Eng, 56; co-auth, Townsman in the making, E.Africa Inst. Soc. Res, 67; auth, An operational theory of role, Human Rel, 59. Address: Dept. of Anthropology, Syracuse University, 119 College Place, Syracuse, N.Y. 13210.

SOUTHARD, DR. CURTIS G, b. N.C, Feb. 27, 10; m. 33; c. 2. MENTAL HEALTH. B.S, North Carolina, 32; M.D, N.Y. Univ, 34. Intern. Med. Cen-

ter, Jersey City, N.J. 35-36; res. N.J. State Hosp, Greystone Park, 36-37; asst. surgeon, dispensary, U.S. Pub. Health Serv, Wash, D.C. 39-40, res. psychiatrist, N.Y. State Psychiat. Inst, 40-41, chief, neuropsychiat. serv, Springfield Med. Center, Mo, 41-44, med. officer, U.S. Quarantine Sta, Fla, & B.W.I. 44-45, chief psychiatrist, staff, U.S. Pub. Health Serv, Hosp, Ft. Worth, Tex, 45-47, consult. psychiatrist, regional off, 47-50, radiation safety officer, Nat. Insts. Health & Atomic Energy Cmn, Oper. Greenhouse, S.Pac, 50, asst. chief community serv. br, Nat. Inst. Ment. Health, 50-54, chief, 54-63; dir, Montgomery County Ment. Health Center, Silver Spring, Md, 63-67, prin. investr, Nat. Inst. Ment. Health proj. grant, 63-68; chief, bur. ment. health, Montgomery County Health Dept, 65-67; REGIONAL DIR, MD. DEPT. MENT. HYG, 67- Private practice, 37-38; lectr, sch. pub. health, Hopkins, 49-50; U.S. Pub. Health Serv. prin. investr, 63- Consult, antimalarial drug res, Nat. Insts. Health, Tex, 47; Alderson Reformatory for Women, W.Va, 47-49. Mem. adv. coun. rehab. proj, Arlington County Hosp, Va, 57-58; chmn. adv. cmt, Am. Psychiat. Mus, D.C. 66- U.S. Pub. Health Serv. commendation medal, 63. Dipl. Am. Bd. Psychiat. & Neurol, 46. Med.C. U.S.A, 34-35, 38-39; U.S.P.H.S. 39-63, Med. Officer. Fel. Psychiat. Asn; fel. Am. Med. Asn; Pub. Health Asn; fel. Col. Psychiat. Community mental health and psychiatry; program planning, development, administration, evaluation, financing and staffing; construction and organization of facilities. Publ: Comprehensive care of the mentally ill, Annual reports Nat. Inst. Ment. Health proj. grant, 63, 64-65 & 66; co-auth, The mental health exchange: an important function of a community mental health center, Community Ment. Health J, 66. Address: 6909 Hillmeade Rd, Bethesda, Md. 20034.

SOUTHARD, DR. FRANK A (LLAN), JR, b. Cleveland, Ohio, Jan. 17, 07; m. 31. INTERNATIONAL ECONOMICS. A.B. Pomona Col, 27; Ph.D. California, 30. From asst. prof. to prof, Cornell, 31-48; assoc. dir. res. & statist, Fed. Res. Bd, 48-49; asst. dir. monetary res, U.S. Dept. Treas, 41-42, dir. off. int. finance, 47-48, spec. asst. to U.S. Secy. Treas, 49-62; U.S. Exec. Dir. INT. MONETARY FUND, 49-62, DEP. MANAGING DIR. & V.CHMN. EXEC. BD, 62- Guggenheim fel, 40; hon. fel, Soc. Sci. Res. Coun, 40, mem. personnel cmt, 49-52; adv. bd, Coast Guard Acad, 50-55. Hart, Schaffner & Marx prize, 31; Legion of Merit, 45; Order of the British Empire, 45. Econ. Asn; Newcomen Soc; Finance Asn. American industry in Europe; Canadian-American industry; foreign exchange practice and policy. Address: International Monetary Fund, 19th & H Streets, N.W., Washington, D.C. 20431.

SOUTHARD, DR. WILLIAM ROY, b. Ryan, Okla, June 13, 33; m. 53; c. 2. TRANSPORTATION, MARKETING. B.B.A., Oklahoma, 57; M.B.A., Texas, 63, Ph.D.(transportation), 68. Traffic mgr, Pillsbury Co, 57-62; lectr. MKT. & TRANSPORTATION, Texas, 63-66; ASST. PROF. MISSOURI, COLUMBIA, 66- Mgr, Southard & Assocs, 66- U.S.A, 53-55. Commodity flow sampling methodology; transportation legal economics; experimental design and transportation pricing; factor analysis in exploratory transportation research. Address: Business & Public Administration Bldg, University of Missouri, Columbia, Mo. 65201.

SOUTHERN, J(AMES) ALBERT, b. Mayodan, N.C. Aug. 19, 16. PSYCHOLOGY. A.B. Duke, 50, M.A., 53; Ohio State, 58-61. Psychometrist, Duke, 51-56; res. assoc, HumRO, 56-58; res. psychologist, behav. sci. div, aeromed. lab, U.S. DEPT. AIR FORCE, 58-59, chief manned systs. sect, 59-60, chief bioastronaut. br, strategic & tactical systs, 60-64, SR. HUMAN FACTORS ENGR, AERONAUT. STSTS. DIV, 64- U.S.A, 45-46. AAAS; Psychol. Asn; Human Factors Soc; Int. Soc. Gen. Semantics. Aviation training and safety; human engineering and communication. Publ: Kuder electrical engineers occupational scale for counseling college students, J. Counseling Psychol; co-auth, Evaluating a measurement project, Personnel & Guid. J; Machines that communicate and designers who don't, In: U.S. Air Force 13th Air Force Science & Engineering Symposium, Arnold Eng. Develop. Center, 9/66. Address: 5372 Barrett Dr, Dayton, Ohio 45431.

SOUTHWICK, PROF. CHARLES H(ENRY), Zool, see 11th ed, Phys. & Biol. Vols.

SOUTHWICK, DR. LAWRENCE, JR, b. Northampton, Mass, Sept. 5, 38; m. 61; c. 2. ECONOMICS, MANAGEMENT SCIENCE. B.S. Case, 60; M.B.A. Western Michigan, 63; M.S. Carnegie Inst. Tech, 65, Ph.D.(econ), 67. Sys. test engr, West. Elec. Co, 60-63; ASST. PROF. MGT. SCI, STATE UNIV. N.Y. BUFFALO, 66- Econ. Asn; Economet. Soc. Economics of social problems, including education, welfare and crime; development of techniques for economic analysis. Address: School of Business Administration, State University of New York at Buffalo, Buffalo, N.Y. 14214.

SOUTHWORTH, DR. CONSTANT, b. Duluth, Minn, Aug. 12, 94; m. 27. ECONOMICS. A.B. Harvard, 15; Ph.D. Brookings Instn, 29. Mem. staff, U.S. Dept. Commerce, 21-22, 26-27, 28-33; Inst. Econ. D.C. 23; Better Homes in Am, 27-28; consumers adv. bd, Nat. Recovery Admin, 33-36; trade agreements div, U.S. Dept. State, 36-41, commercial policy div. & Off. Brit. Commonwealth & North. European Affairs, 42-58; econ. consult, 58-62; partner, Tariff & Trade Assocs, 62; RETIRED. Mem. staff, Off. Price Admin, 41-42. U.S.A, 18. Econ. Asn. United States-Canadian economic relationships; price problems in American industries; treatment of enemy private property; value of colonies. Publ: The French colonial venture; Toward free trade with Latin America; Changes in trade restrictions between Canada and the United States. Address: Apt. 733 B, 4000 Cathedral Ave. N.W., Washington, D.C. 20016.

SOUTHWORTH, HERMAN M(CDOWELL), b. Binghamton, N.Y. Apr. 7, 09; m. 35; c. 4. AGRICULTURAL ECONOMICS. A.B. Cornell, 30; Iowa State Col, 38-41. Agr. economist, bur. agr. econ, U.S. Dept. Agr, 40-43, asst. to chief, 50-53, asst. to dep. adminstr. res. & statist, agr. mkt. serv, 53-57; agr. economist, War Food Admin, 43-47; bus. economist, Coun. Econ. Adv, 47-50; prof. AGR. ECON, Pa. State, 57-66; ASSOC. AGR. DEVELOP. COUN, INC, 66- Invited prof, Seoul, 67- Mem. cmt. agr. econ, Soc. Sci. Res. Coun, 52-66, chmn, 59-66. Rockefeller pub. serv. award, 54. Am. Agr. Econ. Asn(ed, J. Farm Econ, 59-62); Can. Agr. Econ. Soc; Int. Agr. Econ. Agr. Agricultural policy and marketing; food economics; agricultural development. Publ: Co-auth, Marketing policies for agriculture; co-ed. &

co-auth, First Chap: Agricultural development and economic growth, Cornell Univ, 67; co-auth, School lunch program and agricultural surplus disposal. Address: Agricultural Development Council, Inc, 630 Fifth Ave, New York, N.Y. 10020.

SOUTHWORTH, PROF. J. ALFRED, b. Sulphur Springs, Ark, June 19, 20; m. 49; c. 3. PSYCHOLOGY. B.S. U.S. Naval Acad, 43; A.M. Harvard, 55, Ph.D.(clin. psychol), 56. Eng. trainee, Gen. Elec. Co, 46-49; res. psychologist, Boston State Hosp, 55; guild. counsr, Newton Pub. Schs, Mass, 55-56; staff clin. psychologist, Vet. Admin. Hosp, Albany, N.Y. 56-57; chief psychologist, Boston Dispensary, 57-61; PROF. PSYCHOL. & DIR. COUNSELING CENTER, MASSACHUSETTS, AMHERST, 61- Clin. instr. sch. med, Tufts, 59-61. Consult, Raytheon Corp, Mass, 59-61; Maimonides Sch, Mass, 60-61; Windham Col, 67-; Vet. Admin. Hosp, Northampton, Mass, 67- U.S.N, 40-46, Lt. Psychol. Asn; Personnel & Guid. Asn. Counseling and psychotherapeutic process; nonintellective characteristics of college students. Publ: Muscular tension as a response to psychological stress in rheumatoid arthritis and peptic ulcer, Genetic Psychol. Monogr, 58; co-auth, Sex knowledge, intelligence and sexual adjustment, J. Soc. Psychol, 61 & Validation of freshmen test battery, Ed. & Psychol. Measurement, (in press). Address: Counseling Center, University of Massachusetts, Amherst, Mass. 01002.

SOUTHWORTH, PROF. S(HIRLEY) D(ONALD), Econ, see 10th ed, Soc. & Behav. Vols.

SOUTHWORTH, PROF. WARREN H(ILBOURNE), b. Lynn, Mass, Feb. 10, 12; m. 37; c. 2. HEALTH EDUCATION. B.S. Massachusetts, 34; M.A., Boston, 35; fel, Mass. Inst. Tech, 39-41, Dr.P.H., 44. Teacher, high schs, Mass, 36-39; res. consult, State Dept. Pub. Health, 41-42; prof, Panzer Col, 42-43; sch. health coordinator, State Dept. Pub. Instr, Wis, 44-47; assoc. prof. HEALTH ED, WISCONSIN, 44-54, PROF, 54- Field rep, Am. Soc. Health Asn, 44; lectr, Forsyth Dent. Infirmary, 40-42; Boston City Hosp, 40-42. Civilian with U.S.A, 44. AAAS; fel. Pub. Health Asn; fel. Sch. Health Asn; fel. Asn. Health, Phys. Ed. & Recreation; fel. Col. Health Asn. Physiology of pathogenic fungi and blood capillaries; health education in schools and colleges. Publ: Hygiene, 55 & Science of health, 57, McGraw; co-auth, Health education, Nat. Ed. Asn, 61. Address: School of Education & Medical School, University of Wisconsin, Madison, Wis. 53706.

SOWELL, PROF. THOMAS, b. Gastonia, N.C., June 30, 30. ECONOMICS. A.B., Harvard Col, 58; fel, Columbia, 58-59, A.M., 59; Chicago, 59-61. Economist, U.S. Dept. Labor, 61-62; instr. econ, Douglass Col, Rutgers, 62-63; lectr, Howard, 63-64; econ. analyst, Am. Tel. & Tel. Co, 64-65; ASST. PROF. ECON, CORNELL, 65- U.S.M.C., 51-53. Econ. Asn. History of economic thought; labor economics; history of ideas. Publ: Marx's increasing misery doctrine, Am. Econ. Rev; Marx's capital after one hundred years, Can. J. Econ. & Polit. Sci, 2/67; The evolutionary economics of Thorstein Veblen, Oxford Econ. Papers, 8/67. Address: Dept. of Economics, Cornell University, Ithaca, N.Y. 14850.

SOWER, PROF. CHRISTOPHER, b. Manistee, Mich, June 1, 12; m. 37; c. 4. SOCIOLOGY. B.S. Ashland Col, 34; A.M., Ohio State, 36, Ph.D., 48. Area supvr, Nat. Youth Admin, 36-37; sociologist, Am. Youth Cmn, Am. Coun. Ed, D.C. 41-43; U.S. Dept. Agr, 43-46; PROF. SOCIOL. & ANTHROP, MICH. STATE, 46- Area supvr, Am. Red Cross, Gt. Brit. & West. Europe, 43-45; Fulbright res. scholar, Ceylon, 55-56; mem, UN Mission, 61. Sociol. Asn; Rural Sociol. Soc; Soc. Appl. Anthropol. Large scale organizations; community organization. Publ: Co-auth, Community involvement, Free Press of Glencoe, 57. Address: Dept. of Sociology, Michigan State University, East Lansing, Mich. 48823.

SOX, DR. ELLIS D(EAN), Prev. Med, Pub. Health Admin, see 11th ed, Phys. & Biol. Vols.

SPACHE, PROF. GEORGE D(ANIEL), b. New York, N.Y. Feb. 22, 09. PSYCHOLOGY. B.S. N.Y. Univ, 33, M.A., 34, Ph.D., 37. Sch. psychologist, Friends Sem, N.Y. 36-44; instr. ed. psychol, sch. ed, N.Y. Univ, 44-49; sch. psychologist, Westchester County, N.Y. 49-50; PROF. ED. & HEAD READING LAB. & CLIN, FLORIDA, 50- Psychologist, Horace Greeley Sch, N.Y. 44-48; instr. Univ. Col. Rutgers, 48-49; mem. staff, coop. res. proj, U.S. Off. Ed, 64-65. Pres. Readings Res. Serv. Inc, 62- Consult. psychologist, 40-49. Fel. Psychol. Asn; Nat. Reading Conf. (pres, 61-64); Int. Reading Asn. (pres, 54-55). Diagnostic and remedial work in reading; reading and visual difficulties; reading tests. Publ: Toward better reading, Garrard, 63; Reading in the elementary school, Allyn & Bacon, 64; The art of efficient reading, Macmillan, 2nd ed, 66. Address: 7221 Sandy Bluff Dr, Jacksonville, Fla, 32211.

SPADARO, PROF. LOUIS M(ICHAE), b. Manhattan, N.Y. Oct. 11, 13; m. 39; c. 4. ECONOMICS. A.B. City Col. New York, 32, M.S., 33; Ph.D.(econ), N.Y. Univ, 55. Instr. econ, FORDHAM, 38-46, asst. prof, 46-55, assoc. prof, 55-58, asst. dean sch. bus, 55-59, PROF. ECON, 58-, CHMN. DEPT, 66- Econ. Asn; Finance Asn. Distribution theory; economic thought; methodology. Publ: Averages and aggregates in economics, In: On freedom & free enterprise; Economics: an introductory view, Bruce, 68; The heuristic value of simulation in economic research, Proc. Am. Statist. Asn, 67. Address: 1670 W. Eighth St, Brooklyn, N.Y. 11223.

SPAETH, PROF. HAROLD J(OSEPH), b. Chicago, Ill, June 8, 30; m. 52; c. 4. POLITICAL SCIENCE. A.B. Xavier, 52, M.A., 53; Ph.D.(polit. sci), Cincinnati, 56. Admin. asst. & caseworker, Am. Nat. Red Cross, 53-56; instr. POLIT. SCI, DETROIT, 56-59, asst. prof, 59-62, assoc. prof, 62-63; vis. assoc. prof, MICH. STATE, 63-64, ASSOC. PROF, 64- Instr. Cincinnati, 56. Consult, Mich. State Am. Fedn. Labor-Cong. Indust. Orgn, 63-64; mem, Mich. Democratic State Cent. Cmt. & chmn, Mich. Democratic State Platform & Resolutions Cmt, 67- Polit. Sci. Asn; Psychomet. Soc. Judicial behavior; methodology. Publ: Co-auth, Judicial decision making, Macmillan, 64; auth, An introduction to supreme court decision making, 65 & The Warren Court, 66, Chandler Pub. Address: 5400 Blue Haven Dr, East Lansing, Mich. 48823.

SPAETH, RAYMOND JULIUS, b. Salina, Kans, Nov. 13, 07; m. 31; c. 2. **ECONOMICS, BUSINESS ADMINISTRATION.** B.A. American Univ, 30; M.B.A. Harvard, 32; hon. O.H.L., Ill. Col. Optom, 66. Bursar, American Univ, 32-40; V.PRES. & TREAS. ILL. INST. TECH, 40- Consult, South Side Planning Bd, Chicago, 46-, dir, 52-60, pres, 55-60. Trustee, Cook County Sch. Nursing, 54-, v.pres, 60-; trustee, Morgan Park Acad, 54-63, v. chmn, 56-63; mem. lay adv. bd, St. Xavier Col. (Ill), 58-, trustee, 62-; mem. lay adv. bd, De La Salle Acad, 58. Panel mem. white collar workers div, Nat. War Labor Bd, 44; dir, Beverly Bank, 51-63, pres, 60-63; dir, Aermotor Co, 58-59; pres. & dir, Beverly Agency, Inc, 60-63; dir, Tri-State Bank, 60-63, mem. exec. cmt, 61-63; dir. & mem. exec. cmt, Mount Greenwood State Bank, 61-63; pres. & dir, Bevdale, Inc, 61-63; dir, Riverdale Bank, 61-63; organizer & dir, Beverly Commons Bldg. Corp, 62-63; v.pres, secy. & treas, Uarco, Inc, 63-64. Assoc. mem, Inst. Planners. University administration; banking. Address: Illinois Institute of Technology, 3300 S. Federal St, Chicago, Ill. 60616.

SPAFFORD, PROF. WILLIAM F (RANKLIN), Econ, see 10th ed, Soc. & Behav. Vols, deceased 62.

SPAHR, PROF. MARGARET, b. New York, N.Y., Apr. 10, 93. **POLITICAL SCIENCE.** A.B. Smith Col, 14; A.M. Columbia, 19, Ph.D. 26, LL.B. 29. Instr. hist. & soc. sci, HUNTER COL, 25-27, asst. prof, 28-37, assoc. prof. **POLIT. SCI.** 38-59, EMER. PROF. 60- **Polit. Sci. Asn; Soc. Polit. & Legal Philos.** Constitutional law and political philosophy. Publ: The Supreme Court on the incidence and effects of taxation; Readings in recent political philosophy; History: the growth of political ideas and institutions, In: *Fundamentals of political science.* Address: 20 Conz St, Northampton, Mass. 01060.

SPAHR, DR. WALTER E (ARL), b. Centerville, Ind, June 27, 91; wid; c. 3. **ECONOMICS.** A.B. Earlham Col, 14; California, 15; A.M. Wisconsin, 17; Ph.D. Columbia, 25. Prof. hist. & govt, Muskingum Col, 18-19; instr. econ, Dartmouth Col, 19-20; Columbia, 20-23; from asst. prof. to prof, N.Y. Univ, 23-56; EXEC. V.PRES. **ECONOMISTS NAT. CMT. MONETARY POLICY,** 56-Mem. faculty, Am. Inst. Banking, N.Y. 20-28; lectr, Brooklyn Inst. Arts & Sci, 28-29; assoc. prof, Princeton, 27; dir, N.Y. Air Brake Co, 47-66. Simonds prize, 29; cert. of merit, Freedoms Found, 49. Trustee, Tax Found. Econ. Asn. Economic principles and problems; clearing and collection of checks; Federal Reserve system and control of credit; methods and status of scientific research; proper monetary and banking system for the United States. Publ: Ed, Monetary notes, 27 Vols. Address: 8 Michigan Rd, Bellerose, N.Y. 11426.

SPAIGHTS, DR. ERNEST, b. St. Petersburg, Fla, Sept. 4, 35; m. 59; c. 1. **COUNSELING PSYCHOLOGY.** B.S. Central State, 60; M.A. Ohio State, 62, Ph.D. (student personnel, counseling psychol), 65. Teacher, pub. schs, Ohio, 60-61, counsr, 61-65, coordinator freshman ed, 63-65; ASST. PROF. ED. **PSYCHOL. & CO-ORD. 12TH ST. PROJ, WISCONSIN, MILWAUKEE,** 65-Consult, Ft. Custer Job Corp Center, Mich, Milwaukee Hosp. Coun. & Wis. Hosp. Asn, 66-; Grafton Pub. Schs, Wis. Ed. Projs, Inc, Madison Center, Wis, Proj. OFF & Wesley Found. Prog. Tutoring & Counseling, 67- U.S.A. 54-57, 2nd Lt. Psychol. Asn; Ed. Res. Asn; Personnel & Guid. Asn. Student personnel; behavioral techniques of individual and group psychotherapy; application of behavioral therapeutic techniques with the disadvantaged. Publ: Accuracy of self-estimation of junior high school students, 5-6/65 & Social reinforcement counseling as an adjunct to a course in education, 2/67, J. Ed. Res; Effects of social reinforcement as a technique in counseling, J. Col. Student Personnel, 3/67. Address: Dept. of Educational Psychology, Garland Hall, 112B, University of Wisconsin, Milwaukee, Wis. 53211.

SPAIN, PROF. AUGUST O (RAN), b. Austin, Tex, Oct. 15, 07; m. c. 1. **GOVERNMENT.** A.B. Texas, 29, A.M. 31; Cowles fel, Yale, 31-34, Ph.D. 37. Instr. politics, Colgate, 34-36; asst. prof. polit. sci, Hendrix Col, 36-38; asst. mgr, Consumer Credit Firm, Tex, 38-42; from asst. prof. to assoc. prof. **GOVT, TEXAS CHRISTIAN,** 46-50, PROF, 50-, CHMN. DEPT, 50-, acting chmn. dept, 49-50. Exchange lectr, San Andres, Bolivia, 57; vis. lectr, St. Mary's Inst. Int. Rel. Mem. citizens' cmt. on law enforcement, N. Cent. Tex. Coun. Govts, 67-68. U.S.N.R., 42-46, Lt. Comdr. **Polit. Sci. Asn.** Political theory; federalism; comparative and international politics. Publ: Bolivia: case study in welfare state politics; The political theory of John C. Calhoun; co-auth, Legislative redistricting in Texas, Arnold Found, 65. Address: 2320 Edwin St, Ft. Worth, Tex. 76110.

SPAIN, DR. HAROLD L, Econ, see 10th ed, Soc. & Behav. Vols.

SPANER, DR. FRED E, b. New York, N.Y., May 26, 18; m. 40; c. 4. **CLINICAL PSYCHOLOGY.** B.S. City Col. New York, 38; M.S. Northwestern, 39; Ph.D. (psychol), Purdue, 50. Asst. Iowa, 39-41; consult, State Child Welfare Serv, Iowa, 41-43; psychologist, Vet. Admin. Regional Off, Chicago, Ill, 46-48, chief clin. psychol. serv, Vet. Admin. Hosp, Marion, Ind, 50-53, chief psychol. serv, Vet. Admin. Hosp, Pittsburgh, Pa, 53-56, area chief psychologist, Vet. Admin. Area Med. Off, Trenton, N.J., 56-57, chief psychol. serv, Vet. Admin. Hosp, Downey, Ill, 57-68; MEM. COMMUNITY MENT. HEALTH CENTERS STAFFING BR, NAT. INST. MENT. HEALTH, 68- Lectr, Indiana, 50-53; Purdue, 52-53; Northwestern, 58; Loyola (Ill), 60-67. Dipl. Am. Bd. Exam. Prfnl. Psychol, 55. U.S.A., 43-45. AAAS; fel. Psychol. Asn; Group Psychother. Asn; Acad. Psychother. Group processes; interaction; psychotherapy; social and group impact on attitudes and behavior; mental hospital patient as a product of institutional setting and atmosphere; community mental health. Address: National Institute of Mental Health, Barlow Bldg, Chevy Chase, Md. 20014.

SPANGLER, DR. DONALD P (AUL), b. Des Moines, Iowa, Sept. 22, 30; m. 67. **PSYCHOLOGY.** B.A. Drake, 51; M.A. Iowa, 53; Ph.D. (ed. psychol), Western Reserve, 61. Res. psychologist, Highland View Hosp, Cleveland, Ohio, 57-61, prin. investr. aging res, 61-63; res. dir, Nat. Paraplegia Found, 63-65; **SOC. ADMIN. ADV. REHAB. SERV. ADMIN, U.S. DEPT. HEALTH ED. & WELFARE,** 65- Lectr, Western Reserve, 61-63; Howard, 66-67. Mem, Nat. Adv. Cmt. Sheltered Workshops, 64-66. U.S.A., 54-58. Psychol. Asn; Nat. Rehab. Asn. Psychometrics; psychological aspects of physical disability;

gerontology; spinal cord injury. Publ: Service needs of paraplegics and quadriplegics, Prestige Reprods, Ill, 66; co-auth, An analysis of psychomotor responses of audit hemiplegic patients, Arch. Phys. Med. & Rehab, 61 & The effects of age, sex, & physical disability upon manifest needs, J. Counseling Psychol, 62. Address: 270 M St, S.W., Washington, D.C. 20024.

SPANGLER, DR. RICHARD CHURCHILL, b. Oak Park, Ill, Dec. 3, 19. **ECONOMICS.** B.A. California, Los Angeles, 48, M.A. 50, Ph.D. 55. Assoc. ECON, California, Los Angeles, 52-53; instr, Whittier Col, 53-55, asst. prof, 55-59; Montana State, 59-60; Hawaii, 60-63; ASSOC. PROF. & CHMN. DEPT, FRESNO STATE COL, 63- Ford Found. teaching fel, Claremont, 57-58; summers, Haynes Found. fel, 57, Ford faculty res. fel, 58. Econ. Asn. Publ: Railroads: the monopoly that used to be, Mont. Bus. Rev; Corporate dividends as a stabilizer & The effect of population growth upon state and local government expenditures, Nat. Tax J. Address: Dept. of Economics, Fresno State College, Fresno, Calif. 93726.

SPANIER, IRENE J (ULIE), b. Wickrath, Germany, July 2, 06. **CLINICAL & SOCIAL PSYCHOLOGY.** M.S. City Col. New York, 52, fel, 52-54; Columbia, 57-61. Asst. regional adv. cent. coun. health ed, Eng, 45-47; clin. asst. City Col. New York, 54-55, lectr. ed, 55-57; supvr. clin. psychologist, sch. ment. health unit, Rockland County Community Ment. Health Bd, Monsey, N.Y. 57-62; psychologist, Edenwald Sch. of Jewish Child Care Asn, N.Y. 63-64; SUPV. PSYCHOLOGIST CHILD PSYCHIAT. DIAG. & THER, HARLEM HOSP, COLUMBIA UNIV, 67- Clin. psychologist, Children's Seizure Clin, Presby. Med. Center, Columbia, 54. Psychol. Asn; Int. Coun. Psychol. Mental health consultation to schools; brain damage in children. Publ: Analysis of the work of the school mental health unit of the Rockland County Community Mental Health Board, J. Orthopsychiat. Address: 167 E. 82nd St, New York, N.Y. 10028.

SPANIER, DR. JOHN WINSTON, b. Bad Oeynhausen, Germany, July 21, 30; nat; m. 61. **POLITICAL SCIENCE.** B.A. Harvard, 52, M.A. 54; Ph.D. Yale, 57. ASST. PROF. **POLIT. SCI. FLORIDA,** 57- Summer res. fel, center int. affairs, Harvard, 61; vis. prof, Texas, 62; Haverford Col, 62-63; assoc. mem. staff, Hist. Eval. Res. Orgn, D.C.; lectr, Peace Corps Progs. Arms control consult, Bendix Corp. **Polit. Sci. Asn.** American foreign policy, particularly the focus on the relationships between foreign policy and military strategy and tactics. Publ: The Truman-MacArthur controversy and the Korean War, Harvard, 59; co-auth, Politics of disarmament: a study in Soviet-American gamesmanship; auth, World politics in an age of revolution. Praeger, 67. Address: Dept. of Political Science, University of Florida, Gainesville, Fla. 32601.

SPANIOL, DR. ROLAND DEAN, b. Streator, Ill, June 17, 31; m. 52; c. 6. **BUSINESS MANAGEMENT, DATA PROCESSING.** B.S. Illinois State, 53, M.S. 56; Illinois, 56-60; Ph.D. (bus. data processing), Iowa, 67. Teacher, high schs, Ill, 53-60; instr. bus. admin, Eastern Illinois, 60-62, asst. prof. mgt. data processing, 62-65; instr. off. mgt. data processing, Iowa, 65-66; asst. prof. MGT. DATA PROCESSING, EASTERN ILLINOIS, 66-67, ASSOC. PROF, 67-, Res. Cmt. res. grant, 65-67. Consult, East. Ill. Develop. & Serv. Unit, 66- Data Processing Mgt. Asn. Business curricula in electronic data processing. Publ: An analysis of the preparation and functions of business electronic data processing systems analysts with implications for collegiate business data processing curricula, State Univ. Iowa, 67; co-auth, Determining training needs, Soc. Training Dirs, 6/62. Address: 1040 Seventh St, Charleston, Ill. 61920.

SPANIOLO, DR. CHARLES V, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SPANNER, DR. MARVIN, b. New York, N.Y., June 2, 25; m. 47; c. 2. **PSYCHOLOGY.** A.B. California, 48, M.A. 51, Ph.D. (psychol), 55. Sr. clin. psychologist, Conn. State Hosp, 54-57; instr. med. psychol, sch. med, California, Los Angeles, 57-62; chief psychologist, Woodview Hosp, 63-68. Private practice clin. psychol, 59- Consult, Laurence Sch, 62- Dipl. clin. psychol, Am. Bd. Exam. Prfnl. Psychol, 61. U.S.A., 43-46. Psychol. Asn. Psychotherapy; prediction of personality characteristics of others. Address: 16661 Ventura Blvd, Encino, Calif. 91316.

SPARKS, CHARLES PAUL, b. Lawrence Co, Ky, Oct. 9, 15; m. 41; c. 2. **PSYCHOLOGY.** B.Sc. Ohio State, 36, M.A. 38; Tulane, 49-51. Psychologist, pub. schs, Ohio, 37-40, dir. psychol. serv, Ind, 40-42; unit head personnel res, Adj. Gen. Off, U.S. Dept. Army, 46-48; proj. dir, Richardson, Bellows, Henry & Co, Inc, N.Y., 48-50, regional dir, 51-54, v.pres, 55-59, dir. & exec. v.pres, 60-62, dir. & pres, 63; **PERSONNEL RES. COORDINATOR, HUMBLE OIL & REF. CO,** 64- U.S.A., 42-46, Capt. Fel. Psychol. Asn. Measurement and evaluation of personnel; studies of organizational effectiveness; motivation of employees. Publ: Co-auth, Outline of general psychology. Address: 7715 Dashwood Dr, Houston, Tex. 77036.

SPARKS, PROF. DADE, Hist, Govt, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SPARKS, DR. DONALD T (ENNYSON), b. Leonardville, N.B. Can, July 24, 19; nat; m. 54; c. 2. **INTERNATIONAL RELATIONS.** A.B. Maine, 40, M.A. 46; Ph.D. (int. rels), Chicago, 54. Asst. Am. govt, Syracuse, 47-48; RESEARCHER, U.S. GOVT, 52- Lectr, American Univ, 56-58. U.S.A., 42-46, Res. 46-, Lt. Col. American consular relations during the Civil War period; influence of American public opinion on foreign policy. Address: 5221 Gilpin Dr, Springfield, Va. 22151.

SPARKS, DR. WILLARD ROBERT, b. Blanchard, Okla, Oct. 10, 36; m. 55; c. 1. **AGRICULTURAL ECONOMICS, ECONOMETRICS.** B.S. Okla. State, 57, M.S. 59; Ph.D. Mich. State, 61. Asst. econ, Okla. State, 57-58; Mich. State, 58-60, res. technician, 60-61; commodity analyst, Connell & Co, 61-63; RES. DIR, COMCO AFFILIATE, COOK & CO. & RIVERSIDE INDUSTS, 63- Economist. Soc; Statist. Asn. Use of mathematics and statistics in economic forecasting; development of econometrics and mathematical economics; development of adequate computer programs for price forecasting; commodity prices; international economics; United States agricultural policy. Address: 5345 Lexington Rd, Memphis, Tenn. 38117.

SPARLIN, DR. ESTAL E(RNEST), b. Fairfax, Okla, Aug. 7, 07; m. 28; c. 5. POLITICAL SCIENCE. B.J. Missouri, 31, M.A. 32, Ph.D.(polit. sci), 36. Instr. polit. sci, Missouri, 34-37; asst. prof. govt, Arkansas, 37-42; state price exec, Off. Price Admin, Ark, 42-45; legis. consult, Mo. Legis. Res. Cmn, 45-47; asst. dir, St. Louis Govt. Res. Inst, 47-53; DIR, CLEVELAND CITIZENS LEAGUE & GOVT. RES. INST, 53- Polit. Sci. Asn; Soc. Pub. Admin; Govt. Res. Asn; Int. City Mgr. Asn. Local government; state and local taxation; public administration. Publ: Administration of public printing in the states; Inequalities in the Arkansas assessment system; Improvement district financing in Arkansas. Address: 3090 Corydon Rd, Cleveland Heights, Ohio 44118.

SPARROW, DR. FREDERICK TOMLINSON, b. Washington, D.C. Dec. 4, 30; m. 53; c. 2. ECONOMICS, OPERATIONS RESEARCH. B.S. Michigan, 53, Ford Found. fel, 58-62, Ph.D.(econ, ops. res), 63; M.B.A. Cornell, 56. Ops. analyst, U.S. Atomic Energy Cmn, 56-58; asst. prof. DEPTS. ECON. & OPERS. RES. HOPKINS, 62-66, ASSOC. PROF, 66- Consult, Gen. Elec. Corp, 59-60; Aircraft Armaments Inst, 64-; C&P Tel. Co. Md, 64- U.S.M.C., 51-52. Econ. Asn; Economet. Soc; Inst. Mgt. Sci; Opers. Res. Soc. Am. Mathematical programming models of resource allocation; managerial economics. Address: 203 Oakdale Rd, Baltimore, Md. 21210.

SPARROW, DR. SARA STELLE, b. Minneapolis, Minn, May 9, 33. PSYCHOLOGY, SPEECH PATHOLOGY. B.A. Montclair State Col, 58; M.A. Florida, 62, fel, 65, Ph.D.(psychol), 68. Speech therapist, Orange County Schs, 58-61, coordinator speech ther, 62-64; speech clinician, Florida, 65; FEL. CHILD DEVELOP. & PSYCHOL, YALE, 68- Psychol. Asn; Speech & Hearing Asn. Cleft palate: community mental health: brain-behavior relationships: special learning disabilities. Publ: Co-auth, Cinefluorographic analysis of velopharyngeal function, Cleft Palate J, 10/64. Address: Dept. of Psychology, Yale University, New Haven, Conn. 06511.

SPAULDING, DEAN ALBERT C(LANTON), b. Chateau, Mont, Aug. 13, 14; m. 31; c. 2. ANTHROPOLOGY. B.A. Montana, 35; A.M. Michigan, 37; fel, Columbia, 39-40. Ph.D.(anthrop), 46. Asst. prof. anthrop. & asst. curator, Kansas, 46-47; asst. prof. anthrop, Michigan, 47-53, assoc. prof, 53-60, prof, 60-61, assoc. curator archaeol, 47-51, curator, 51-60; prog. dir. anthrop. hist. & philos. sci, Nat. Sci. Found, 59-63; prof. anthrop. & head dept, Oregon, 63-66; PROF. ANTHROP. CALIFORNIA. SANTA BARBARA, 66-. DEAN COL. LETTERS & SCI, 67-. Fel. Anthrop. Asn; Soc. Am. Archaeol.(pres, 63-64). North American prehistory, especially Great Plains and Aleutian areas; archaeological methodology. Publ: Current status of Aleutian archaeology; Statistical techniques for the discovery of artifact types; Archaeological investigations on Agattu, Aleutian Islands, Anthropol. Papers. Univ. Michigan, 62. Address: Dept. of Anthropology, University of California, Santa Barbara, Calif. 93106.

SPAULDING, DR. A(SA) T(IMOTHY), b. Columbus Co, N.C. July 22, 02; m. 33; c. 4. STATISTICS. B.S. N.Y. Univ, 30; M.A. Michigan, 32; hon. LL.D. Shaw, 58, N.C. Col. Durham, 60; D.B.A. Morgan State Col, 61; hon. LL.D. North Carolina, Chapel Hill, 67. Consult, actuary, Winston Mutual Life Ins. Co, 34-38; Dunbar Life Ins. Co, 38-45; PRES. ACTUARY, CONTROLLER & DIR. N.C. MUTUAL LIFE INS. CO, 45- Frederick Douglass Sesquicentennial Commemoration lectr, Rochester, 67. Trustee, Howard; Shaw; Am. Freedom from Hunger Found, 64-; J.C. Smith Univ, 67- Actuary, Nat. Negro Ins. Asn, 34-36 & 38-40, 1st v.pres, 40-41, pres, 41-43, chmn. exec. cmt, 43-44, mem. bd. dirs, coord. cmt. & prog. cmt, 53-54 & 54-55; dir. Mech. & Farmers Bank; Mutual Savings & Loan Asn; chmn. bd. Bankers Fire & Casualty Ins. Co; mem. exec. & finance cmts. & treas, James E. Shepard Mem. Found; dir. Chain Investment Corp; dir. & v.pres, Realty Serv. Inc; mem. sub. cmt. vol. home mortgage credit prog. Fed. Housing & Home Finance Agency, 54-57, nat. cmt. vol. home mortgage credit prog, 57-; v.chmn. N.C. adv. cmt, U.S. Cmn. Civil Rights, 59-; mem. bd. dir. W.T. Grant Co, N.Y. 64-; mem. U.S. Dept. Commerce Trade Mission, Cent. Am. & Repub. Panama, 64; Am. Assembly Arden House, N.Y. 64; bd. trustees, Nat. Conf. Christians & Jews; adv. coun, President's Youth Opportunity Campaign, 66; nat. adv. cmt. minority affairs, U.S. Info. Agency, 67-; bd. voc. ed, Wash. Tech. Inst, 67-; U.S. trade & investment mission, Ghana, Zambia & Congo, 67; community & regional develop. group, U.S. Chamber Commerce, 67-; bus. leadership adv. coun, Off. Econ. Opportunity, 67-; UN Day Cmt, 67; steering cmt. Urban Coalition, 67-; Citizen's Cmt. Peace with Freedom in Vietnam, 67- Mem. U.S. del. inaugural ceremonies of pres. of Liberia, 56; UNESCO Gen. Conf, New Delhi, India, 56; nat. defense exec. reserve, U.S. Dept. State, 57-61. Presidential citation, 46; John B. Russwurm Award, Nat. Newspaper Publishers Asn, 66. AAAS; Statistic. Asn; Math. Soc; Inst. Math. Statist; Inst. Mgt; Nat. Asn. Adv. Colored People; Acad. Actuaries; Mgt. Asn. Life insurance costs; mortality studies. Publ: Impact of the changing world on women's organizations, economically; Moral and spiritual values: America's greatest need; North Carolina mutual—a symbol of Negro enterprise, Christian Sci. Monitor, 60. Address: 1608 Lincoln St. Durham, N.C. 27701.

SPAULDING, PROF. CHARLES B(ARTHOLOMEW), b. Aberdeen, Wash, June 2, 08; m. 30; c. 2. SOCIOLOGY. A.B. Southern California, 32, M.A. 33, fel, 33-34, Ph.D. 39. From instr. to prof. sociol. & econ. & chmn. dept. sociol, Whittier Col, 34-52; assoc. prof. SOCIOL. CALIFORNIA. SANTA BARBARA, 52-58. PROF. 58-. SPEC. ASST. TO CHANCELLOR, 64-66, 67-, chmn. dept. soc. sci, 56-59, dean div. letters & sci, 59-61, chmn. dept. sociol. & anthrop, 61-64. Pub. panel mem, War Labor Bd, 43-45; enforcement cmmr, Regional Wage Stabilization Bd, 51-53. Sociol. Asn; Labor Res. Asn; Nat. Coun. Family Rels. Marriage and the family; industrial sociology. Publ: An introduction to industrial sociology. Address: Dept. of Sociology, University of California, Santa Barbara, Calif. 93106.

SPAULDING, DR. IRVING A(NDRUSS), b. Marble Rock, Iowa, Oct. 31, 17; m. 59. SOCIOLOGY. B.S. Iowa State Col, 41; M.S. Kentucky, 42; Ph.D. Cornell, 44. Assoc. prof, Clemson Col, 44-46; ASST. PROF, Douglass Col, 46-49; SOCIOL, RHODE ISLAND, 49- Fulbright lectr, Chingmai, 65-66. Sociol. Asn; Rural Sociol. Soc; Anthropol. Asn; Social psychology and social theory; perspective on urbanization. Publ: Social system concepts as suc-

cessive approximations, 62 & Of human values, 63, Sociol. & Soc. Res. Address: Dept. of Sociology, University of Rhode Island, Kingston, R.I. 02881.

SPAULDING, DR. J. LLOYD, b. Oakland, Iowa, Oct. 25, 14; m. 40; c. 3. ECONOMICS. B.S. Iowa State, 36; Ph.M. Wisconsin, 38; Ph.D. Minnesota, 49. Res. aide land econ, Resettlement Admin, 36-37; asst, Wisconsin, 37-38; asst. agr. economist, div. land econ, U.S. Dept. Agr, D.C. 38-42; assoc. prof. econ, Bethel Col.(Kans), 47-52; exec. secy, Am. Friends Serv. Cmt, 52-56; ASSOC. PROF. ECON, BETHEL COL.(KANS), 56- Econ. Asn; Agr. Econ. Asn. Agricultural economics. Address: Dept. of Economics, Bethel College, North Newton, Kans. 67117.

SPAULDING, PROF. KENNETH, b. Albion, Nebr, Oct. 14, 03; m. 24; c. 3. ECONOMICS, SOCIOLOGY. B.S. George Peabody Col, 33, M.A. 34, Ph.D. 44. Prof. soc. studies & head teachers training dept, Bowling Green Col. of Commerce, 38-43; prof, W.Liberty State Col, 43-55, acad. dean, 46-55; from assoc. prof. to PROF. ECON, E. TENN. STATE COL, 55- Mem. teacher ed. cmt, State Bd. Ed, W.Va, 47-55; bd. adv, Milligan Col, 64- Econ. Asn. Geography; consumer economics. Publ: Co-auth, Money and banking & Principles of economics; auth, Dean looks at the single curriculum, Ed. Digest. Address: Box 2522, East Tennessee State College, Johnson City, Tenn. 37601.

SPAULDING, MARSHALL (SATTLEY), b. Springfield, Ill, Dec. 5, 04; m. 42. POLITICAL SCIENCE, ECONOMICS. B.A. California, Los Angeles, 28; Hopkins, 28-31. Assoc. economist, bur. labor statist, U.S. Dept. Labor, 38-39, hearings officer, wage & hour div, 39-41; manpower economist, War Prod. Bd, 42-45; ops. analyst, UNRRA, China, 45-47; mgt. consult, UN, 47; orgn. & methods expert, off. comptroller, U.S. Dept. Army, 48-50; orgn. consult, Govt. Am. Samoa, U.S. Dept. Interior, 50; prog. analyst, OFF. COMPTROLLER, U.S. DEPT. ARMY, 51-65, SPEC. ASST. TO DIV. DIR. & SR. PROG. PROGRESS ANALYST, 65- Polit. Sci. Asn; Soc. Adv. Mgt; Adult Ed. Asn; Inst. Mgt. Organization of governmental agencies; operations progress analysis; constitutional law. Address: 407 Cloverway, Alexandria, Va. 22314.

SPAULDING, DR. PATRICIA JOYCE), b. Detroit, Mich, Nov. 6, 20. CLINICAL PSYCHOLOGY. A.B. Cent. Mich. Col, 44; M.A. Michigan, 48, Ph.D. (psychol), 53. Sr. psychologist, Kresge Eye Inst, Detroit, Mich, 49-53; res. assoc, dept. biopsychol, Chicago, 53-56; PSYCHOLOGIST, Ill. Children's Hosp. Sch, Chicago, 56-58; CURTIS HIXON REHAB. CENTER, TAMPA GEN. HOSP, 58- Alumnae achievement award, Stephens Col, 66. Psychol. Asn; Rehab. Asn; Nat. Asn. Disability Exam. Development of young blind children; emotional aspects of physical handicaps; development of methods for more accurate evaluation of handicapped children and adults. Publ: Co-auth, Blindness in children; auth, Cranbrook Project, report on psychological findings, Kresge Eye Inst. Bull. Address: 10 Adalia Ave, Apt. 109, Tampa, Fla. 33606.

SPAULDING, PROF. SETH J, b. Tucson, Ariz, Dec. 17, 28; m. 62. INTERNATIONAL AFFAIRS, EDUCATION. B.A. Univ. of the Americas, 48; M.A. Ohio State, 50, Ph.D.(ed. res), 53. Ed. specialist, Pan Am. Union, D.C. 51-54; sr. adv. Ford Found, Burma & N.Y. 54-59; chief res. & serv, U.S. Off. Ed, 60-63; assoc. prof. ED. & INT. AFFAIRS, PITTSBURGH, 63-66, PROF, 66-, chmn. int. & develop. ed. prog, 64-68. Dir. dept. sch. & higher ed, UNESCO, 68- Agency Int. Develop. consult, Guatemala, 64-68. Mem. U.S. del. World Minister's Ed. Conf, Tehran, 66; chmn. int. res. cmt, Am. Ed. Res. Asn, 66-68. Am. Ed. Res. Asn; Nat. Asn. Ed. Broadcasters. Education and its role in and reciprocal relationship with economic, social and political change; new educational strategies and techniques. Publ: A Spanish readability formula, Mod. Lang. J, 56; Programmed instruction: an international directory, UNESCO, 67; co-auth, International development education, Rev. Ed. Res, 4/68. Address: United Nations Educational, Scientific & Cultural Organization, Place Fontenay, Paris VII, France.

SPAYNE, PROF. ROBERT WILLIAM, b. Worcester, Mass, Nov. 5, 30; m. 61; c. 2. GEOGRAPHY. EARTH SCIENCE. B.S. Ed. Mass. State Col, Worcester, 53; Clark, 55-56; M.A. Oberlin Col, 59. ASSOC. PROF. GEOG. & EARTH SCI, MASS. STATE COL, BOSTON, 57- Geology of the Boston Basin; marine resources of Massachusetts; historical geology; physical geography. Publ: Co-auth, Manual of physical geography, W.C. Brown, 68. Address: Dept. of Geography, Massachusetts State College at Boston, 625 Huntington Ave, Boston, Mass. 02115.

SPEAR, DR. STANLEY A(LLAN), b. New York, N.Y. Dec. 8, 30; m. 55; c. 3. CLINICAL PSYCHOLOGY. B.A. N.Y. Univ, 52, alumni scholar, 52-53; U.S. Pub. Health Serv. fel, Northwestern, 53-54; State Dept. Ment. Health Training fel, Tenn, 56-59; Ph.D. Vanderbilt, 60. Asst. psychol, Vanderbilt, 54-56, counsr, 57-59; teacher & counsr, Peabody Col, 55-56; intern clin. psychol, Chattanooga Guid. Clin, 56-57, staff clin. psychologist, 59-61, sr. clin. psychologist, 61-65. CHIEF PSYCHOLOGIST, CHATTANOOGA PSYCHIAT. CLIN, 65- Lectr, Chattanooga, 59- Consult, kindergarten teachers coun, Chattanooga, 62-64, pub. schs. soc. workers, 63-65, pub. schs. class emotionally disturbed children, 65-; psychol. consult, Headstart Prog, Chattanooga Pub. Schs, 67, Headstart Follow-Through Prog. & Mid. Sch. Prog, 67-68; Chattanooga Reeducation Center, 67-68. Psychol. Asn. Nature and measurement of empathy and its relation to personality; personality theory; psychotherapy; perception; group play therapy with elementary school age children. Address: Chattanooga Psychiatric Clinic, 1028 E. Third St, Chattanooga, Tenn. 37403.

SPEAR, JAMES E(UGENE), Econ, Bus. Admin, see 10th ed, Soc. & Behav. Vols.

SPEAR, DR. NORMAN EBERMAN, b. Canton, Ohio, Oct. 15, 37; m; c. 1. EXPERIMENTAL PSYCHOLOGY. B.S.(math) & B.S.(psychol), Bowling Green State, 59; M.S. Northwestern, 61, Ph.D.(exp. psychol), 63. Res. asst. psychol, Bowling Green State, 59; res. asst. psychol, Northwestern, 59-63, lectr. psychol. & statist, 61-63; asst. prof. PSYCHOL, RUTGERS, 63-65, ASSOC. PROF, 65- Summer lectr, Illinois, Chicago, 61 & 62. Psychol. Asn;

- Psychonomic Soc. Publ: Retention of reinforcer magnitude, *Psychol. Rev.*, 74: 216-234; co-auth. Association by contiguity, *J. Exp. Psychol.* 67: 161-171 & Simultaneous and successive contrast effects of reward magnitude in selective learning, *Psychol. Monogr.* Vol. 80, No. 10. Address: Dept. of Psychology, Rutgers University, New Brunswick, N.J. 08903.
- SPEARS, PROF. WILLIAM D(AVID), b. Chattanooga, Tenn, Oct. 13, 26; m. 52; c. 2. PSYCHOLOGY. A.B. Chattanooga, 50, M.Ed. 51; Ph.D.(psychol), Peabody Col, 54. Asst. chemist, Peerless Woolen Mills, Ga, 46-50; from teacher to acting chmn. dept. psychol, Chicago Teachers Col, 54-56; asst. to assoc. prof. ed, Florida, 56-61; HEAD PROF. PSYCHOL, AUBURN, 61-Consult, Sunland Training Center, Fla, 60; Vet. Admin. Hosp, Tuskegee, Ala, 64-66; Georgian Clinic, Atlanta, 65-66; Ed. Projs, Inc, 67- Regional dir. Headstart eval, Ed. Testing Serv, 66. U.S.N, 44-45. AAAS; Psychol. Asn; Statist. Asn; Psychomet. Soc; Ed. Res. Asn; Nat. Coun. Measurement in Ed. Learning; general theoretical psychology; experimental design. Address: Dept. of Psychology, Auburn University, Auburn, Ala. 36830.
- SPECK, DR. ELDRED C(LAUDE), b. Abbottsford, Wis, Mar. 28, 18; m. 42; c. 2. ACCOUNTING. B.A. Wis. State Teachers Col, 40; M.A. Northwestern, 48, Ph.D. 53. ASSOC. PROF. acct. & mgt, col. commerce, Kentucky, 48-57; acct, Miami (Fla), 58-59; ACCT. & MGT, McNeese State Col, 59-60; TEXAS WOMAN'S UNIV, 60- U.S.A.F, 41-47, Res, 47-, Lt. Col. Acct. Asn. Accounting; management; labor problems. Address: 804 Crest Oak Place, Denton, Tex. 76201.
- SPECTOR, PROF. AARON J(OHN), b. Morrisville, Pa, May 12, 21; m. 48; c. 2. PSYCHOLOGY. B.S. Long Island, 48; California, Los Angeles, 48-49; Ph.D. Boston, 53. Instr. psychol, Massachusetts, 51-53; res. psychologist, officer ed. res. lab, Maxwell Air Force Base, Ala, 53-56; head motivation & morale res. br, U.S. Naval Personnel Res. Field Activity, D.C., 56-57, asst. dir, personnel res. dept, 57-59; v.pres. & dir. soc. sci. dept. Nat. Analysts, Inc, 59-67; PROF. SOCIOL. & DIR. INST. SURV. RES, TEMPLE, 67- U.S.N, 42-45. Psychol. Asn; Pub. Health Asn; Asn. Pub. Opinion Res. Sample survey and health care research; personnel measurement. Publ: Supervisory characteristics and attitudes of subordinates, *Personnel Psychol*; Basic dimensions of the corporate image, *J. Mkt*; Methodological study of incidence of acute rheumatic fever, *J. Am. Pub. Health*, 68. Address: Institute for Survey Research, 1910 N. Broad St, Philadelphia, Pa. 19121.
- SPECTOR, DR. JOHANNA L(ICHTEBERG), Ethnomusicol, Jewish Music, see 5th ed, *Dir. Am. Scholars*, Vol. I, Hist.
- SPECTOR, DR. NAHUM J(ACOB), b. Brooklyn, N.Y, June 7, 31; m. 54; c. 2. POLITICAL SCIENCE. B.A. Brooklyn Col, 52; M.A. New Sch. Soc. Res, 54; M.B.A. N.Y. Univ, 57, Ph.D.(polit. Sci), 65. Cmns. analyst ins. N.Y. Life Ins. Co, 55-59, syst. analyst, 60-66; ASST. PROF. POLIT. SCI, BRIDGEPORT, 66- Consult, Republican Town Charter Cmt. Fairfield, 66- U.S.A, 53-55. Polit. Sci. Asn; Acad. Polit. Sci; Acad. Polit. & Soc. Sci. Decision-making of officials in government and the impact of political party affiliation upon the decision-making process. Address: Dept. of Political Science, University of Bridgeport, Bridgeport, Conn. 06602.
- SPECTOR, DR. PAUL, b. Brooklyn, N.Y, June 27, 28; m. 58; c. 2. PSYCHOLOGY. B.A. Brooklyn Col, 49; Du Pont fells, Virginia, 49-53, M.A. 52, Ph.D. (psychol), 54. Asst. Virginia, 50-54; sr. res. scientist, INT. RES. INST. AM. INSTS. RES, 54-63, exec. scientist, 64, DIR. 64- Lectr, Howard, 56. Consult, Gen. Elec. Co, 58; Mil. Assistance Inst, 58-60; Inst. Defense Anal, 58-; Agency Int. Develop, 62-; Int. Mkt. Inst; U.S. Dept. Navy. AAAS; Psychol. Asn; Soc. Appl. Anthropol, N.Y. Acad. Sci. Intercultural personnel operations; analysis of behavior; training and innovation in developing countries. Publ: Working effectively overseas; co-auth. Research on the specific leader behavior patterns most effective in influencing group performance; auth. Communication and motivation in community development. Address: American Institutes for Research, 8555 16th St, Silver Spring, Md. 20910.
- SPECTOR, DR. SHERMAN DAVID, Hist. of Russia & East Cent. Europe, see 5th ed, *Dir. Am. Scholars*, Vol. I, Hist.
- SPECTOR, PROF. STANLEY, Hist. Polit. Sci, see 5th ed, *Dir. Am. Scholars*, Vol. I, Hist.
- SPECTOR, DR. WILLIAM S, Physiol, Endocrinol, see 11th ed, *Phys. & Biol. Vols.*
- SPEER, PROF. GEORGE SCOTT, b. Oak Park, Ill, Sept. 24, 08; m. 36; c. 2. PSYCHOLOGY. A.B. Cent. YMCA Col, 34; S.M. Chicago, 36. Psychologist, Berkshire Indust. Farm, 36-37; child guid. serv, Sangamon County, 37-40; dean students & asst. prof. psychol, Cent. YMCA Col, 40-45; PROF. & DIR. INST. PSYCHOL. SERV, ILL. INST. TECH, 45-; convention mgr. & staff consult, Am. Psychol. Asn, D.C., 58-64. Consult, Morgan Park Mil. Acad, 46-60; Chicago Cmn. Human Rels, 50-52; Village of Oak Park, 53-; Wur-litzer Found, 55- Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn; Soc. Eng. Ed; Asn. Ment. Deficiency; Personnel & Guid. Asn. Executive selection; occupational interest-test patterns; personality measurement. Publ: Kuder interest test patterns of fire protection engineers, *J. Appl. Psychol*; Counselors and occupational information, *Personnel & Guid. J*; Influence of occupational information on occupational goals, *Occupation*. Address: Illinois Institute of Technology, 55 E. 33rd St, Chicago, Ill. 60616.
- SPEER, DR. JAMES PAUL, II, b. Comanche, Okla, Oct. 13, 17; m. 46; c. 4. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A. George Washington, 41, Yale, 45-46; Texas, 48; Harvard, 61; Ph.D.(polit. sci) Colorado, 67. Clerk, U.S. State Dept, 37-41, for serv. officer, 41-47; exec. dir, United World Federalist of Tex, 47-48; stock broker, Speer & Co, 53-63; lectr. int. rels, Methodist Church, 63-65; instr. POLIT. SCI, Colorado, 65-67; asst. prof, Colorado State, 66-67, ASSOC. PROF. TEMPLE BUELL COL, 67- U.S.A, 44-45, 2nd Lt. Polit. Sci. Asn; Int. Studies Asn, Int. Peace Res. Asn. International politics, law and organization. Publ: Reinhold Niebuhr plays Hamlet, *Christian Century*, 3/67; Hans Morgenthau and the world state, *World Polit*, 1/68. Address: Dept. of Political Science, Temple Buell College, Denver, Colo. 80220.
- SPEICHER, DR. JOSEPH L(EWIS), b. Kityang, China, Mar. 1, 03; U.S. citizen; m. 46. PERSONNEL PSYCHOLOGY. B.A. Ohio State, 38, M.A. 39; Ph.D. (psychol), Syracuse, 43. Res. psychologist, Adj. Gen. Off, U.S. Dept. Army, 44-47; chief exam. br, govt. sect, Supreme Comdr. Allied Powers, Japan, 47-51; consult. suprvy training, R.B.H. & Co, Lebanon & Saudi Arabia, 52; personnel res. consult, State Employ. Serv, N.Y, 53-57; Psychol. Bus. Res, 57-58; personnel selection, Cmn. Pub. Admin, Venezuela, 58-61; training prog. specialist, Ford Found. Mission to North. Nigeria, 61-63; WITH FORD FOUND. PUB. ADMIN. PROJ. FOR GOVT. SAUDI ARABIA, 64- Prin. assoc, J.L. Jacobs & Co, 58-, consult. personnel admin, 64- U.S.A, 42-46, 1st Lt. Psychol. Asn; Pub. Personnel Asn. Personnel research, selection, evaluation and training. Publ: Personnel selection guides; Examination of Japan's upper bureaucracy, *Personnel Admin*; Human abilities and personnel selection, *Kuomin*. Address: c/o Ford Foundation, P.O. Box 928, Riyadh, Saudi Arabia.
- SPEIER, DR. HANS, b. Berlin, Germany, Feb. 3, 05; nat; c. 2. SOCIOLOGY. Berlin, 23-25; Ph.D.(sociol), Heidelberg, 28. Prof. sociol, grad. faculty, New Sch. Soc. Res, 33-42, 47-48; analyst, Fed. Communications Cmn, 42-44; propaganda policy adv, Off. War Info, 44-45; assoc. chief occupied areas div, U.S. Dept. State, 46-47; chief soc. sci. div, RAND CORP, 48-60, chmn. RES. COUN, 61-62, MEM, 62- Sr. fel. Coun. For. Rels, New York, 64-65. Consult, U.S. Dept. State, 48-52; Res. & Develop. Bd, 49-53. Sociol. Asn; Am. Acad. Arts & Sci. Foreign affairs; communications; historical sociology. Publ: Social order and the risks of war; German rearmament and atomic war; Divided Berlin. Address: The Rand Corp, 1700 Main St, Santa Monica, Calif. 90406.
- SPEISER, DR. ALLEN, b. New York, N.Y, Mar. 21, 24; m. 54. COUNSELING. PSYCHOLOGY. B.S. N.Y. Univ, 52, M.A. 53, Ph.D.(voc. rehab), 60. Voc. counsr, Fedn. Employ. & Guid. Serv, 53-56; voc. consult, Altro Health & Rehab. Serv, Inc, 55-60; dir. rehab. aged, Coun. Workshop Sr. Citizens, 60-62; proj. & workshop dir, Bezalel Workshop, Inc, 62-64; EXEC. DIR. VOC. REHAB. CONSOL. INDUSTS. GREATER SYRACUSE, INC, 64- Nat. Inst. Ment. Health res. grant, 62-64; lectr, Syracuse, 65- Consult, U.S. Dept. Health, Ed. & Welfare, 66-; Cmn. Accreditation Rehab. Facilities, 68- Psychol. Asn; Personnel & Guid. Asn. Vocational rehabilitation and psychological adjustment of physically, emotionally and socially handicapped individuals; sheltered workshop adjustment of the handicapped. Address: 117 Woodmancy Lane, Fayetteville, N.Y. 13066.
- SPEISMAN, PROF. JOSEPH C(HESTER), b. New York, N.Y, Mar. 28, 24; m. 46; c. 3. PSYCHOLOGY. B.A. California, 51, M.A. 52; Merrill-Palmer fel, 53-54; Ph.D. Michigan, 56. Clin. psychol. trainee, Vet. Admin, 51-53; asst. psychol, psychother. res. proj, Nat. Insts. Health, Michigan, 54-56; res. assoc, 56-57, asst. psychologist, univ. psychol. clin, 54-56, instr. psychol, 56-57; asst. prof, California, Berkeley, 57-62; dep. dir. manpower & training div, Nat. Inst. Ment. Health, 62-68; PROF. PSYCHOL. & CHMN. DEPT, BOSTON, 68- Co-prin. investr, Nat. Inst. Ment. Health grant, 59-62. Consult, Vet. Admin, 58-; Contra Costa County Rehab. Proj, Calif, 58-62. U.S.A, 42-46. AAAS; Psychol. Asn. Psychological stress; psychopathology; personality theory. Publ: Co-auth. Experimental reduction of psychological stress based on ego-defense theory, *J. Abnorm. & Soc. Psychol*, 68: 359-380; auth. Autonomic monitoring of ego-defense processes, *Int. Psychoanalysis* and current biological thought, *Univ. Wisconsin*, 65; co-auth. An emerging scientist-professional role in psychology, *Am. Psychologist*, 22: 839-847. Address: Dept. of Psychology, Boston University, Boston, Mass. 02215.
- SPELLACY, PROF. EDMUND F(RANK), b. Lima, Ohio, Feb. 28, 06; m. 39; c. 2. PUBLIC ADMINISTRATION & LAW. B.A. Stanford, 27, M.A. 31; Ph.D. Harvard, 35. Lectr. polit. sci, Washington (Seattle), 35-36, assoc. prof. 36-46, dir. bur. govt. res. & inst. govt. 36-39; prof. govt. HAWAII, 46-66, acting dean col. arts & sci, 47, col. bus. admin, 52, 53-54, vet. adv, 51-56, dean col. gen. studies, 56-66, PROF. POLIT. SCI, 66-, vis. prof, 39-40. U.S.N.R, 42-46, Lt. Comdr. Address: Dept. of Political Science, University of Hawaii, Honolulu, Hawaii 96822.
- SPELMAN, DR. JOSEPH W(ORCESTER), Path, see 11th ed, *Phys. & Biol. Vols.*
- SPELT, DR. DAVID K(IRBY), b. Camden, N.J, June 24, 08; m. 35; c. 2; m. 54; c. 2. PSYCHOLOGY. A.B. Haverford Col, 30; Brown, 32-33; Ph.D.(psychol), North Carolina, 38. Asst. prof. psychol, Mississippi, 38-41; prof. & head dept, Mary Baldwin Col, 41-46; assoc. prof, Florida, 46-47; prof. & chmn. dept. Muhlenberg Col, 47-51; consult. psychologist, ROHRER, HIBLER & REPLOGLE, 51-55, PARTNER, 55- AAAS; Psychol. Asn; Acad. Relig. & Ment. Health. Fetal development of behavior; learning; personality. Address: Rohrer, Hibler & Replogle, Suite 402, 660 E. Mason St, Milwaukee, Wis. 53202.
- SPELT, PROF. J(ACOB), b. Netherlands, Nov. 7, 19; nat; m. 47; c. 4. GEOGRAPHY. Whitbeck fel. & M.A. Wisconsin, 47; Ph.D. Utrecht, 55. From instr. to WEST. PROF. GEOG. TORONTO. 48- Can. Asn. Geog; Royal Netherlands Geog. Soc; Netherlands Asn. Econ. & Soc. Geog. Urban geography; geography of Europe. Publ: Urban development in south central Ontario. Publ: Co-auth. The changing face of Toronto—a study in urban geography, *Queen's Printer*, Can, 65, 67; auth. Southern Ontario. In: *Canada. a geographical interpretation*, Methuen, 68. Address: Dept. of Geography, University of Toronto, Toronto 5, Ont. Can.
- SPENCE, DR. DONALD P(OND), b. New York, N.Y, Feb. 8, 26; m. 51; c. 4. PSYCHOLOGY. A.B. Harvard, 49; Ph.D.(clin. psychol), Columbia, 55; N.Y. Psychoanal. Inst, 61-66. Clin. psychol. intern, Wichita Guid. Center, 52-53; asst. PSYCHOL, Menninger Found, 53-54; RES. CENTER FOR MENT. HEALTH, N.Y. UNIV, 54-55, res. assoc, 55-56, res. asst. prof, 56-64, res. assoc. prof, 64-67, ASSOC. PROF, 67- Sr. fel. Nat. Insts. Health, 61-U.S.A, 44-46. AAAS; Psychol. Asn; N.Y. Acad. Sci. Perception outside awareness; selection and impact of day residues; influence of anxiety on

perception. Publ. Ed. Broad scope of psychoanalysis, Grune, 67; auth. Subliminal perception and perceptual defense, Behav. Sci, 67; co-auth. Sensitivity to latent cues as a function of two changes in skin resistance, Psychosomatic Med, 68. Address: Research Center for Mental Health, New York University, Washington Square, New York, N.Y. 10003.

SPENCE, PROF. ERNEST JOHN, b. Winnipeg, Man, Apr. 14, 15; m. 38; c. 3. MANAGEMENT, FINANCE. B.A. Manitoba, 35; B.Commerce, Queen's (Ont), 38; M.B.A. Northwestern, 39, Ph.D.(finance), 47. Div. chief & asst. to chmn, Wartime Prices & Trade Bd, Can, 42-47; asst. gen. mgr. fur trade dept. Hudson's Bay Co, 47-49; pres, Can. Food Prod. Ltd, 49-59; exec. v.pres, Triarch Corp, Ltd, 59-65; PROF, FACULTY ADMIN. STUDIES, YORK (ONT), 66- Lectr. & consult, Western Ontario, 65-66; dir, Triarch Corp, Ltd, 65-68; consult, Econ. Coun. Can, 65-68; partner, Urwick, Currie & Partners, Ltd, 66-68. Officer, Order of the Brit. Empire, 46. Newcomen Soc; Econ. Asn; Can. Inst. Int. Affairs. Corporation finance; corporate mergers; acquisitions tax policy. Publ. Canadian wartime price control policy, Queen's Printer, Can, 46. Address: 166 Lytton Blvd, Toronto 12, Ont, Can.

SPENCE, PROF. JANET T (AYLOR), b. Toledo, Ohio, Aug. 29, 23; m. 60. PSYCHOLOGY. A.B. Oberlin Col, 45; Ph.D.(psychol), Iowa, 49. Instr. psychol, Northwestern, 49-51, asst. prof, 51-56, assoc. prof, 56-61; res. psychologist, neuropsychiat. dept, Vet. Admin. Hosp, Iowa City, Iowa, 61-64; res. assoc. psychol, univ. res. inst, TEXAS, 64-65, assoc. prof. ed. psychol, 65-67, PROF. PSYCHOL. & ED. PSYCHOL, 67-, CHMN. DEPT. PSYCHOL, 68-Res. consult, Vet. Admin, 53-61. Fel. Psychol. Asn; Psychonomic Soc. Motivational; personality; experimental psychopathology. Publ: Co-auth, Elementary statistics; Motivational components of manifest anxiety, In: Anxiety and behavior, Academic, 66; auth, Personality scale of manifest anxiety, J. Abnorm. & Soc. Psychol. Address: Dept. of Psychology, University of Texas, Austin, Tex. 78712.

SPENCE, PROF. RALPH B (ECKETT), b. La Crosse, Wis, Apr. 1, 01; m. 24; c. 2. PSYCHOLOGY. A.B. Wisconsin, 22; A.M. Columbia, 24, Ph.D. 27. From instr. to prof. ED, TEACHERS COL, COLUMBIA, 25-66, EMER. PROF, 66- Fulbright fel, Pakistan, 55-56; chief of party, Teachers Col, Columbia-Agency Int. Develop. team, Afghanistan, 56-61; res. specialist, Inter Suburban Ed. Planning, Va, 66-67; vis. prof, res. & develop. center, Georgia, 67-68. Consult, State Dept. Ed, N.Y., 43-49, State Youth Bd, 49-51. Mem. staff, Nat. War Labor Bd. & Off. Civilian Defense, 42-43. AAAS; Psychol. Asn; Adult Ed. Asn. U.S.; Ed. Res. Asn; Sociol. Asn; Soc. Psychol. Study Social Issues; Soc. Appl. Anthropol. Adult education; curriculum research. Publ: Public school adult education in New York State, 1944-47; Reducing juvenile delinquency; co-auth, Adult education. Address: Research & Development Center, University of Georgia, Athens, Ga. 30601.

SPENCE, PROF. BERKLEY ARNOLD, b. Logan, Utah, Aug. 23, 35; m. 60; c. 3. SOCIOLOGY, ANTHROPOLOGY. B.A. Brigham Young, 60, M.A., 62; Nat. Defense Ed. Act fel, Cornell, 62-65, for. area training fel, 65-67, Ph.D.(rural sociol), 67. PROF. SOCIOL, INTERAM. CENTER INTEGRAL DEVELOP. WATER & LAND, ORGN. AM. STATES PROJ, 67- Sociol. Asn; Rural Sociol. Soc. Developmental sociology; communications theory of development; sensitivity training as a tool for improving cross-cultural communications. Publ: Stability and change in an intervillage system of Highland Guatemala, Latin Am. Studies Prog. Cornell, 67; co-auth, Differentiation and solidarity in agricultural communities, Human Orgn, (in press). Address: CIDIAT, Apt. 219, Mérida, Venezuela.

SPENCER, DR. BYRON GRANT, b. Rosetown, Sask, July 23, 41. ECONOMICS. B.A. Queen's (Ont), 63; univ. fel, Rice, 63-65, Ford Found. fel, 66-67, Ph.D.(econ), 67. ASST. PROF. ECON, McMASTER, 66- Am. Econ. Asn; Can. Econ. Asn; Royal Econ. Soc. Corporation income tax shifting and incidence; macroeconomic theory; econometrics. Publ: The shifting of the corporation income tax in Canada, Can. J. Econ, 2/69. Address: Dept. of Economics, McMaster University, Hamilton, Ont, Can.

SPENCER, PROF. D(ANIEL) L(LOYD), b. New York, N.Y., Mar. 5, 16; m. 48; c. 3. ECONOMICS. B.S. Pratt Inst, 38; A.B. Columbia Col, 41, M.A. California, 50; fel, American Univ, 50-52, Ph.D.(econ), 53. Researcher, Eng. Found, N.Y., 40-42; economist, Japanese occup, 46-48; Renegotiation Bd, 52-53; asst. prof. ECON, Berea Col, 53-54; American Univ, 54-57; assoc. prof, Southern Illinois, 57-60; PROF. & CHMN. DEPT, HOWARD, 60- Vis. lectr, North. Va. Center, 55-57; Wash. Int. Center, 60-; Indust. Col. Armed Forces, 60-65; Bus. Coun. Int. Understanding, 64-66; Air Force Off. Sci. Res. grant, 64-67. Consult. planning, Indian Statist. Inst. New Delhi, 58-59; mem. adv. cmt, Small Bus. & Guid. Center, 63- U.S.N.R., 43-46, Lt. Comdr. Econ. Asn; Asn. Asian Studies; Soc. Int. Develop. Economic development; international economics; national income theory; business and government. Publ: India, mixed enterprise and Western business, Nijhoff, 59; Military transfer of technology, U.S. Air Force Off. Aerospace Res, 67; co-auth, Transfer of technology to developing countries, Praeger, 67. Address: Dept. of Economics, Howard University, Washington, D.C. 20001.

SPENCER, DR. DOROTHY M (ARY), b. Eddystone, Pa, June 16, 07. ANTHROPOLOGY. Soc. Sci. Res. Coun. fel, Pennsylvania, 35-36, Ph.D.(anthrop), 37. Guggenheim fels, 41-42, 46-47; mem. staff, Off. Strategic Serv, 42-45; off. Intel. res. U.S. Dept. State, 49-53; VIS. LECTR. ANTHROP. S.A.S.I.A. PENNSYLVANIA, 53- Fel. Anthropol. Asn. Anthropology of India. Publ: Disease, religion and society in the Fiji Islands; Fijian dreams and visions; Indian fiction in English, Univ. Pennsylvania, 60. Address: 806 W. Montgomery Ave, Bryn Mawr, Pa. 19010.

SPENCER, DR. DOUGLAS, b. Des Moines, Iowa, Oct. 20, 98; m. 28. PSYCHOLOGY. A.B. California, 25; M.A. Columbia, 31, Ph.D.(psychol), 38. Asst. dean men, California, 25-26; consult. psychologist, N.Y., 27-42; asst. ed. psychol, teachers col, Columbia, 30-31, co-dir. consultation center, 31-32, 33, instr. & dir. guid. lab, 38-39; asst. prof. psychol, Queens Col. (N.Y.), 39-48; staff psychologist & assoc. dir. mil. psychol. & leadership dept, U.S. Mil. Acad, 48-54; CONSULT. PSYCHOLOGIST & PSYCHOTHERAPIST, 54-From psychologist to exec. v.pres, Hauser Assocs, 34-37; psychol. assess-

ment, Off. Strategic Serv, 45-46. Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn; Orthopsychiat. Asn; Asn. Marriage Counsr.(secy, 60-63). Personality measurement; psychotherapy; marriage counseling. Address: 730 River Rd, Piermont-on-Hudson, N.Y. 10968.

SPENCER, DR. EBER ALLEN, JR, b. Jackson, Miss, May 12, 26; m. 53; c. 3. PUBLIC LAW, GOVERNMENT. A.B. Tufts, 49; M.A. New Hampshire, 51; Ph.D.(pub. law, govt), Columbia, 64. Lectr. Eng. Columbia, 51-52; instr. GOVT, NORWICH, 52-55, asst. prof, 55-58, ASSOC. PROF, 59- Polit. Sci. Asn. American constitutional law and the judicial process. Address: Dept. of Government, Norwich University, Northfield, Vt. 05663.

SPENCER, LT. COL. E(DWIN) C(ORNELIUS), U.S.A.F, Math, see 11th ed, Phys. & Biol. Vols.

SPENCER, DR. GEORGE ELWOOD, b. Taylorsville, Utah, May 29, 12; m. 34; c. 6. RURAL SOCIOLOGY, CULTURAL ANTHROPOLOGY. B.S. Utah State, 33, M.S., 35; Ford fel, Cornell, 55-56, Ph.D., 58. Voc. agr. instr, Cent. Union High Sch. & Jr. Col, Calif, 38-48; head voc. ed. div, Orange Coast Col, 48-49; adv. agr. ed. Inst. Inter-Am. Affairs, Guatemala, 49-50, Bolivia, 50-51; farm mgr, Harold Hunt Ranch, 51-53; adv. agr. ed. Int. Coop. Admin, Jordan, 53-55, chief ed. div, Cambodia, 57-60, chief community develop, Philippines, 60-66, ASSOC. DIR. U.S. PEACE CORPS, PHILIPPINES, 66- Sociol. Asn; Rural Sociol. Soc; Soc. Int. Develop. Community development and adult education. Publ: Co-auth, Values and the adoption of farm practices, Rural Sociol. Address: American Embassy/Peace Corps, Manila, Philippines.

SPENCER, DR. GEORGE M (INARD), b. Sanford, Fla, Mar. 10, 28; m. 53; c. 3. INDUSTRIAL & PERSONNEL PSYCHOLOGY. B.S. Rollins Col, 50; M.S. Fla. State, 52, Ph.D., 55. Teacher, Winter Park High Sch, 50-51; staff asst. personnel, INT. BUS. MACH. CORP, 56-58, mgt. ed, 58, prog. mgr. personnel develop, 59-65, mgr. employ. & placement, 65-67, ED. MGR, 67- Instr. Appalachian State Teachers Col, summer, 55; lectr. sch. bus, Florida Atlantic, 68- Psychol. Asn. Personnel development; test construction and validation for employee selection and placement; management education; group dynamics laboratory in leadership and sensitivity. Publ: Freshman orientation program, J. Higher Ed; co-auth, Validation of the Minnesota Engineering Analogies Test, Personnel Psychol. Address: 630 N.W. Seventh Ave. Boca Raton, Fla. 33432.

SPENCER, DR. GEORGE W, South Asian Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SPENCER, PROF. HENRY R (USSELL), Polit. Sci, see 10th ed, Soc. & Behav. Vols.

SPENCER, PROF. JOSEPH E. b. Bolivar, Mo, Sept. 11, 07; m. 32; c. 1. GEOGRAPHY. A.B. California, Los Angeles, 29, Ph.D.(geog), Berkeley, 36. Asst. dist. dir, Salt Admin, Chinese Nat. Govt, 32-40; instr. GEOG. CALIFORNIA, LOS ANGELES, 40-42, asst. prof, 42-47, assoc. prof, 47-52, PROF, 52- Fulbright lectr, Univ. Malaya, Singapore, 57-58, U.S.A., 42-45, Lt. Col. Fel. Asn. Am. Geog.(ed. Annals, 64-69). Cultural and economic geography; geography of the Orient. Publ: Land and people in the Philippines; Asia, east by south, a cultural geography; co-auth, Philippine Island world, Univ. California, 67. Address: Dept. of Geography, University of California, Los Angeles, Calif. 90024.

SPENCER, PROF. KATHERINE, b. Reading, Mass, Aug. 7, 13. SOCIAL ANTHROPOLOGY. B.A. Vassar Col, 35; Soc. Sci. Res. Coun. fel, Chicago, 41-42, M.A., 44, Ph.D., 52. Case consult, Am. Red Cross, 42-44; soc. sci. analyst, U.S. Off. War Info, 44-46; asst. soc. rels, Harvard, 46-50, assoc. dir. community health proj, sch. pub. health, 53-57; asst. prof, N.Y. Sch. Soc. Work, Columbia, 50-52; assoc. prof. SOC. SCI. & RES. METHOD. SCH. SOC. WORK, BOSTON, 54-64, PROF. 64-, LECTR. ANTHROP. DEPT. SOCIOL. & ANTHROP, 61- Res. assoc, McLean Hosp, 56-67; dept. psychiat. Harvard Med. Sch. 60-66. Consult. rev. cmt. Nat. Inst. Ment. Health, 63-66; soc. serv. br. div. Indian health, U.S. Pub. Health Serv, 64- Fel. Anthropol. Asn; Soc. Appl. Anthropol. Mythology; personality and culture; medical anthropology; social work research. Publ: Ed. Sociocultural elements in casework: a case book of seven ethnic case studies; auth, Mythology and values; Reflections of social life in the Navaho origin myth. Address: School of Social Work, Boston University, 264 Bay State Rd, Boston, Mass. 02215.

SPENCER, PROF. LELAND, b. Canton, Pa, Apr. 25, 96; m. 22. AGRICULTURAL ECONOMICS. B.S. Cornell, 18, Ph.D.(agr. econ), 23. Instr. farm mgt, N.Y. STATE COL. AGR. CORNELL, 20-23, asst. prof. MKT, 23-25, prof, 25-64, EMER. PROF, 64- Spec. expert in charge field invest. milk & cream costs, U.S. Tariff Cmn, 26; acting assoc. economist, Giannini Found, California, 30; dairy mkt. economist, Farm Credit Admin, 34-36. Consult. study milk distribution costs, State Dept. Agr, N.J., 42. Mem. Governor's Cmt. Milk, N.Y. & Fed. Order Milk Cmt, 61. U.S.A., 17-19. Agr. Econ. Asn.(v.pres, 35); Int. Asn. Agr. Econ. Marketing dairy products; marketing and prices of milk. Publ: Milk distribution costs; Milk distribution and pricing in Great Britain & Milk control programs of the north-eastern states, Bull. Cornell Agr. Exp. Sta. Address: 24 Cornell St, Ithaca, N.Y. 14850.

SPENCER, LYLE M, b. Atlanta, Ga, May 10, 11; m. c. 7. SOCIOLOGY, PSYCHOLOGY. B.A. Washington (Seattle), 33, M.A., 35; univ. fel, Chicago, 36-37, Marshall Field fel, 37-38. PRES. SCI. RES. ASSOCS, INC, 38-42, 45-Dir, Int. Bus. Mach. Corp, 66- Trustee, Midwest Res. Inst. & Menninger Found, 55-; chmn. bd. trustees, Roosevelt Univ; trustee, Univ. Chicago & first Colver-Rosenberger lect, grad. sch. ed, 66. Psychol. Asn; Sociol. Asn; N.Y. Acad. Sci. Address: Science Research Associates, 259 Erie St, Chicago, Ill. 60611.

SPENCER, PROF. MILTON H (ARRY), b. New York, N.Y., Mar. 25, 26; m. 57; c. 3. ECONOMICS, BUSINESS ADMINISTRATION. B.S. N.Y. Univ, 49, M.A., 50; Ph.D., Cornell, 54. Instr. econ, Queens Col.(N.Y.), 49-52; asst. agr. econ, State Exp. Stas, Cornell, 52-54; asst. prof. bus. admin, De Paul, 54-55; assoc. exp. BUS. ECON, WAYNE STATE, 55-62, PROF. 62- Econo-

- mist, Armour & Co, Ill, 54; distinguished vis. lectr. Univ. Chile, 58; Valparaiso, 58; Buffalo, 59; Hebrew Univ. Israel, 60; Hawaii, 66-67; res. fcls. Wayne State, 62, 65-66. Adv. domestic & for. govt. agencies, 58- U.S.A.A.F, 43-45. Econ. Asn; Mkt. Asn; Statist. Asn; Inst. Mgt. Sci; Asn. Bus. Econ; Opers. Res. Soc. History of economic thought; managerial economics; business and economic forecasting; quantitative methods in economics, business and social sciences; management and marketing theory and research; energy economics; industrial organization and control; mathematical social science. Publ: Economic thought; Managerial economics; Business and economic forecasting. Address: School of Business Administration, Wayne State University, Detroit, Mich. 48202.
- SPENCER, DEAN MORRIS N(ELSON), b. Red Oak, Iowa, Sept. 6, 21; m. 42; c. 2. POLITICAL SCIENCE. A.B. Iowa, 42; A.M. Nebraska, 47, Ph.D. 50. Prof. polit. sci. Huron Col, 49-57, dean & registr. 52-57; PROF. GEOG. & DEAN, CARROLL COL (WIS), 57- U.S.A.F.R., 42-, Lt. Col. Land grant of the Union Pacific Railroad. Address: Dept. of Geography, Carroll College, Waukesha, Wis. 53186.
- SPENCER, PROF. RICHARD C(ARLETON), b. Lincoln, Nebr, Dec. 18, 93; m. 15. POLITICAL SCIENCE. A.B. Colorado, 21, A.M. 22; Ph.D.(polit. sci.) Illinois, 28. Prof. polit. sci. Univ. of the Pacific, 21-22; soc. sci. Linfield Col, 22-25; asst. polit. sci. Illinois, 25-27; asst. prof. Western Reserve, 28-39; vis. prof. Cincinnati, 39-40; bus. economist, div. res. Works Progress Admin, 40-42; govt. orgn. specialist, govts. div. U.S. Bur. Census, 42-47; vis. prof. Nebraska, 47-48; prof. POLIT. SCI., COE COL, 48-66, EMER. PROF., 66- Mem. For. Asn-World Affairs Center; pres. Midwest Conf. Polit. Sci., 60-61. U.S.A., 18. Polit. Sci. Asn. Lawmaking institutions; comparative and local government. Publ: Topical index to national constitutions; co-auth. American state legislatures. Address: 3037 Henderson Ave. S.E., Cedar Rapids, Iowa 52403.
- SPENCER, PROF. RICHARD E(DWARD), b. Hackensack, N.J., Oct. 4, 27; m. 49; c. 7. EDUCATIONAL PSYCHOLOGY. B.A. Hobart Col, 50; M.A. Colorado, 51; Ph.D. Illinois, 57. Teacher, high sch. N.J., 50-51; instr. & dir. pub. rels. State Univ. N.Y. Teachers Col, 51-52; asst. Univ. Illinois, 52-55; supt. testing & res. pub. sch. Mich, 55-58; specialist measurement & eval. Teachers Col, Columbia, Afghanistan, 58-60; res. asst. div. acad. res. serv. Pa. State, 60-64; assoc. prof. ED. PSYCHOL., ILLINOIS, URBANA, 64-67, PROF., 68-, HEAD MEASUREMENT & RES. OFF. INSTR. RE-SOURCES, 64- Consult. Int. Bus. Mach, 56-57; Walker Mfg. Co, 56-57. U.S.N., 45-46. Coun. Measurement in Ed; Ed. Res. Asn. Computer technology in education; intercultural test construction; measurement of English as a second language; evaluation of foreign aid. Publ: Co-auth. American professions and overseas technical assistance, Pa. State Univ, 65; auth. A study of an assumption about high school and college equivalency in language training, 10/67 & College foreign language placement and intervening years problem, 11/67, Mod. Lang. J. Address: 807 S. Birch St, Urbana, Ill. 61801.
- SPENCER, DR. ROBERT A(LLAN), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SPENCER, DEAN ROBERT C, b. Chicago, Ill, Mar. 28, 20; m. 41; c. 5. POLITICAL SCIENCE. A.B. Chicago, 43, M.A. 52, univ. fel, 52-53, Ph.D.(polit. sci.), 55. Instr. polit. sci. & sociol. St. Michaels Col, 49-51, asst. prof. polit. sci., 53-60, prof. govt., 60-63, dir. summer session, 61-63, asst. to pres., 63-65; prof. polit. sci. & chmn. dept. & dean summer sessions, RHODE ISLAND, 65-67, DEAN GRAD. SCH, 67- Res. assoc. indust. rels. center, Chicago, 52-53; exten. lectr. N.Y. State Sch. Indust. & Labor Rels, Cornell, 55-56; State Senator, Vt, 58-62; Nat. Cmt. faculty fel. & res. dir. Democratic Nat. Cmt, D.C., 62-63. Chmn. task force personnel, Vt. Little Hoover Cmn, 57-58. U.S.C.G., 43-45, Lt.(jg). Polit. Sci. Asn; Indust. Rels. Res. Asn. Industrial relations. Address: 50 Ferry Rd, Saunderstown, R.I. 02874.
- SPENCER, PROF. ROBERT F(RANCIS), b. San Francisco, Calif, Mar. 30, 17; m. 48. ANTHROPOLOGY. A.B. California, 37, Ph.D.(anthrop.) 46; M.A. New Mexico, 40. Instr. ANTHROP. Reed Col, 46-47; asst. prof. Oregon, 47-48; MINNESOTA, MINNEAPOLIS, 48-52, assoc. prof. 52-56, PROF. 56-Grant, Am. Philos. Soc, 48, 49; Off. Naval Res, 52; Arctic Inst. N.Am, 53; Asia Found, 54; Guggenheim Found. fel, 65-66. Fel. AAAS; fel. Anthropol. Asn. Far East and Arctic ethnography; linguistics; culture history; literature and culture in Pakistan. Publ: The North Alaskan Eskimo, Smithsonian Inst, 59; co-auth. The native Americans, Harper, 65. Address: Dept. of Anthropology, College of Liberal Arts, University of Minnesota, Minneapolis, Minn. 55455.
- SPENCER, DR. VIVIAN EBERLE, b. New Castle, Pa, Oct. 27, 07. STATISTICS. A.B. Oberlin Col, 28, M.A. 29; Pittsburgh, 29-33; summers, Chicago, 30-31, 33; Columbia, 34; fel. Pennsylvania, 33-35, Ph.D.(math), 36. Asst. math. Pittsburgh, 29-33; assoc. economist, Nat. Res. Proj, Pa, 36-39; from asst. economist to CHIEF, MINERALS STAFF, U.S. BUR. CENSUS, 40-Prof. lectr. American Univ, 62- Dir. statist. staff, President's Mat. Policy Cmn, 51-52. Statist. Asn; Math. Asn; Math. Soc. Orthogonal polynomials; fuel efficiency; labor productivity; raw materials; mineral industries. Address: 4725 Western Ave. N.W., Washington, D.C. 20016.
- SPENGLER, DEAN EDWIN H(AROLD), b. New York, N.Y., Apr. 4, 06. ECONOMICICS. B.S. City Col. New York, 25; A.M. Columbia, 28, Ph.D. 30. Admin. asst. City Col. New York, 25-26, instr. econ, 25-30; mem. dept. BROOKLYN COL, 30-36, acting chmn. div. 30-31, grad. div. 35-41, Asst. prof. ECON, 36-41, assoc. prof. 41-49, PROF., 49-, DEAN SCH. GEN. STUDIES & SUMMER SESSIONS, 50-, dir. eve. session, 49-50. Lectr. grad. div. Columbia, 41-43. Consult. Nat. Resources Planning Bd. & urban redevelopment, sta. Mass. Inst. Tech, 42-43; Mayor's Cmt. Mgt. Surv. Finance Study, N.Y., 50-51; State-City Fiscal Rels. Cmt, 55-56. Dir. Citizen's Housing & Planning Coun, N.Y., 46- U.S.A.A.F, 43-46, Capt. Econ. Asn. Taxation; land economics and liberal education of adults; land values in New York in relation to transit. Publ: Introduction to business; Urban taxation. Address: 134 Fonda Rd, Rockville Centre, N.Y. 11570.
- SPENGLER, PROF. JOSEPH JOHN, b. Piqua, Ohio, Nov. 19, 02; m. 27. ECONOMICICS. A.B. Ohio State, 26, scholar, 26-27, M.A. 29, Ph.D.(econ), 30, L.H.D. 65; fel. Brookings Inst, 28. Asst. prof. Arizona, 30-32, assoc. prof. 33-34; econ, DUKE, 32-37, from prof. econ. & dir. grad. studies econ. to JAMES B. DUKE PROF. ECON, 37- Regional price exec. Off. Price Admin, 42-43; soc. sci. adv. Nat. Sci. Found, 60-62, mem. adv. cmt. govt. progs. behav. sci. div. behav. sci. 62-70. Mem. Soc. Res. Coun, 49-61. Fel. AAAS (v.pres, 58); Am. Econ. Asn.(v.pres, 50); fel. Statist. Soc; Pop. Asn.(v.pres, 53-54, pres, 55-56); Am. Econ. Hist. Asn.(v.pres, 55, pres, 65); Economet. Soc; Regional Sci. Asn; Soc. Gen. Syst. Res; Philos. Soc; Sociol. Asn; Inst. Mgt. Sci; Royal Econ. Soc; Brit. Econ. Hist. Soc; Int. Union Sci. Study Pop. Population problems; history of economic thought; economic growth. Publ: Contrib. Theories of economic growth; ed, Population theory and policy & Essays in economic thought: Aristotle to Marshall. Address: Dept. of Economics, Duke University, Durham, N.C. 27706.
- SPERBER, DR. ZANWIL, b. New York, N.Y., Feb. 3, 26; m. 55; c. 3. PSYCHOLOGY. B.S. City Col. New York, 49; M.A. Michigan, 51, U.S. Pub. Health Serv. & Merrill-Palmer fcls, 51-52, univ. fel, 53, Ph.D. 56. Intern psychol. psychol. clin. inst. human adjust, Michigan, 52-53, asst. staff psychologist & asst. dept. psychol, 53-55, res. assoc. & coordinator psychother. res. proj, 54-55; from instr. to asst. prof. psychol. & staff psychologist, psychiat. clin. student health serv. California, Los Angeles, 55-58; coordinator cerebral palsy res. proj. Children's Hosp, Phila, Pa, 58-61; CHIEF PSYCHOLOGIST, DEPT. CHILD PSYCHIAT, MT. SINAI HOSP, 61-Clin. assoc. dept. psychol. Southern California, 62-65; lectr. dept. psychol. California, Los Angeles, 66-, summer vis. instr. California, 56. Consult. Nat. Inst. Neurol. Diseases & Blindness, 59-60; consult. psychologist, San Fernando Valley Child Guid. Clin, 65- AAAS; Psychol. Asn; Soc. Res. Child Develop; Orthopsychiat. Asn. Interpersonal communication and factors leading to accurate and inaccurate interpersonal perceptions; child development, particularly social stimulation as related to language and personality development from the neonatal period. Publ: Co-auth. The problem of the eczema-asthma complex: a developmental approach, In: Psychoanalysis and current biological thought, Univ. Wisconsin, 65; auth. Test anxiety and performance under stress, J. Consult. Psychol; Context as a source of information in rating depth of interpretation, J. Gen. Psychol. Address: Dept. of Child Psychiatry, Mt. Sinai Hospital, 110 N. Hamel Rd, Los Angeles, Calif. 90048.
- SPERLING, DR. GEORGE, Physiol. Optics, see 11th ed, Phys. & Biol. Vols.
- SPERLING, DR. OTTO E(LMER), Psychiat, see 11th ed, Phys. & Biol. Vols.
- SPERLING, DR. PHILIP I(RVING), b. Brooklyn, N.Y., Sept. 25, 16; m. 45; c. 1. PSYCHOLOGY. A.B. N.Y. Univ, 37; Edinburgh, 37-39; A.M. Columbia, 40; Ph.D. Michigan, 49. Mem. faculty psychol. Bennington Col, 48-51; res. psychologist, U.S. Dept. Air Force, 51-56; U.S. Dept. Army, 56-62; dep. dir. spec. opers. res. American Univ, 62-65; RES. ADMINSTR. SOC. SCI. AGENCY INT. DEVELOP, 65- Mem. exec. coun. cmt. on vision & cmt. on hearing & bio-acoustics, Armed Forces-Nat. Res. Coun, 56-62. U.S.A.A.F, 41-46, Capt. Fel. AAAS; fel. Psychol. Asn. Research administration in social sciences with reference to foreign areas. Address: 6919 River Oaks Dr, McLean, Va. 22101.
- SPERLING, DR. SALLY E, b. Minneapolis, Minn, May 7, 30; div. PSYCHOLOGY. B.A. Minnesota, 54, M.A. 56; Nat. Sci. Found. fel, Columbia, 55-56; Ph.D.(psychol.), Michigan, 61. Vis. asst. prof. PSYCHOL., Minnesota, 60-61; lectr. CALIFORNIA, RIVERSIDE, 61-62, asst. prof. 62-67, ASSOC. PROF. 67- Nat. Sci. Found. res. grants, 62-64, 65-68. Psychol. Asn. Discrimination learning processes as they affect acquisition and transfer. Publ: Reversal learning and resistance to extinction: a review of the rat literature, 5/65 & Reversal learning and resistance to extinction: a supplementary report, 65, Psychol. Bull; Position responding and latency of choice in simultaneous discrimination learning, J. Exp. Psychol, 67. Address: Dept. of Psychology, University of California, Riverside, Calif. 92502.
- SPERLING, SAMUEL, b. New York, N.Y., Dec. 29, 16; m. 54; c. 1. EDUCATIONAL PSYCHOLOGY. B.A. City Col. New York, 36, M.S. 39. Voc. counsr. New York Dept. Welfare, 39-41; training officer voc. rehab. Vet. Admin, N.Y., 47-50; indust. specialist, U.S. Air Force Procurement, 50-51; tech. writer, training pub. center, U.S. Dept. Navy, 51-57; info & ed. officer, DIV. RADIO. HEALTH, U.S. PUB. HEALTH SERV, 57-60, CHIEF AUDIO-VISUAL & DESIGN SECT, DEPT. HEALTH, ED. & WELFARE, 60- U.S. Pub. Health Serv. award. U.S.A.A.F, 43-46. Fel. Psychol. Asn; Personnel & Guid. Asn; Adult Ed. Asn; Pub. Health Asn. Training manuals for classroom and home study; audiovisual aids in health education and information programs; methodology and techniques in adult education; methods of changing public attitude toward environmental factors especially radiation and fallout. Publ: Patternmaker; Surveyor; Airplane structures. Address: 10215 Duwain Place, Silver Spring, Md. 20902.
- SPERO, PROF. STERLING D, b. Brooklyn, N.Y., Nov. 20, 96. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B. Columbia, 18, A.M. 20, Ph.D. 24. Res. fel. New Sch. Soc. Res, 24-25; Soc. Sci. Res. Coun, 25-27; res. assoc. univ. coun. res. in soc. sci. Columbia, 28-31, assoc. int. inst. soc. res. 36-37; res. assoc. Twentieth Century Fund, 34-35; lectr. div. grad. studies, Brooklyn Col, 35-36; PROF. PUB. ADMIN. GRAD. SCH. PUB. ADMIN, N.Y. UNIV, 38-, acting dean sch, 59-60. Consult. Cmn. Inquiry Pub. Serv. Personnel, 35; State Cmt. Constitutional Convention, N.Y., 38, State Cmn. Revising Constitution, 58; spec. staff rels. off. Bd. Ed. New York City, 55-59, Cmn. Govt. Orgn, 59; Ohio Legis. Serv. Cmn, 58-59. Mem. pub. panel & chmn. regional trucking panel, War Labor Bd, 42-45. Soc. Pub. Admin; Polit. Sci. Asn; Indust. Rels. Res. Asn; Acad. Polit. Sci; Arbit. Asn. Publ: Government as employer; Labor relations in British nationalized industry; co-auth. The black worker. Address: 30 E. Ninth St, New York, N.Y. 10003.
- SPEROFF, B(ORIS) J(AMES), b. Hammond, Ind, Dec. 27, 24; m. 55; c. 3. PSYCHOLOGY. A.B. Indiana, 47; M.S. Ill. Inst. Tech, 51. Asst. psychol. indust. rels. center, Chicago, 52-53, res. assoc. 53-54, proj. dir. 54-55,

asst. prof, 56-59; dir. indust. rels, Lithographers & Printers Nat. Assn, Inc, 59-62; PRACTICING PSYCHOLOGIST, 62- Lectr, Roosevelt, 62-; vis. assoc. prof, Michigan Tech, 64. Consult, E.Chicago Schs, 62-; consult. psychologist, Hammond Clin. & N.W. Ind. Alcoholism Clin, 64- U.S.A., 43-44. AAAS; Psychol. Assn. Labor and management relations; sociometry; empathy; group psychotherapy. Publ: Group psychotherapy and role-playing in labor relations: a case study, Group Psychother; The psychology of creative selling, spring 68 & The psychology of leadership, winter 68, Personnel J. Address: 8145 Van Buren Ave, Munster, Ind. 46321.

SPERRAZZO, PROF. GERALD, b. New York, N.Y., Dec. 16, 31; m. 61. CLINICAL PSYCHOLOGY. B.A., Idaho, 53; fel. & M.A., St. Louis 56; Ph.D. (clin. psychol.), Ottawa, 61. Psychol. intern, St. Elizabeth's Hosp, 59-60; psychologist, dept. correction, Youth Center, D.C., 60-61; asst. prof. PSYCHOL. & psychologist, psychol. servs. bur, Georgetown, 61-66; PROF, SAN DIEGO, 66- Consult, Nat. Security Agency, D.C., 63-65. U.S.A., 53-55. Psychol. Assn. Cognitive functioning in normal and abnormal subjects; prediction of academic achievement; identification and utilization of creative ability. Publ: Psychology and international relations, Georgetown Univ, 65; Racial differences on progressive matrices and co-auth. Further normative data on the progressive matrices, J. Consult. Psychol. Address: Dept. of Psychology, University of San Diego, San Diego, Calif. 92110.

SPERRY, PROF. ROGER WOLCOTT, b. Hartford, Conn, Aug. 20, 13; m. 49; c. 2. PSYCHOBIOLOGY. A.B., Oberlin Col, 35, A.M., 37; Ph.D. (zool), Chicago, 41. Nat. Res. Coun. fel, Harvard, 41-42; res. fel. biol, 41-46, res. assoc, Yerkes Labs. Primate Biol, 42-46; asst. prof. anat, Chicago, 46-52, assoc. prof. psychol, 52-53; chief develop. neurol, Nat. Insts. Health, 52-54; HXON PROF. PSYCHOBIOLOGICAL INST. TECH, 54- Mem. staff res. proj., Office Sci. Res. & Develop, 43-45; exp. psychol. study sect, Nat. Insts. Health, 67- Nat. Acad. Sci.; AAAS; Soc. Zool; Physiol. Soc. Assn. Anat; Psychol. Assn; Psychonomic Soc; Soc. Develop. Biol; Soc. Nat; Acad. Arts & Sci; Int. Brain Res. Orgn. Nerve endorgan transplantation; central nervous plasticity, embryogenesis of behavioral nerve nets; neuropsychology of perception, learning and memory; split-brain analysis of cerebral organization; mind-brain relations. Publ: Physiological plasticity and brain circuit theory, In: Biological bases of behavior, Univ. Wisconsin, 58; Embryogenesis of behavioral nerve nets, In: Organogenesis, Holt, 65; Brain bisection and mechanisms of consciousness, In: Brain and conscious experience, Springer, 66. Address: Division of Biology, California Institute of Technology, Pasadena, Calif. 91109.

SPETH, DR. EDWARD W (ILLIAM), b. Pittsburgh, Pa, May 11, 16; m. 48. CLINICAL PSYCHOLOGY. B.S., Pittsburgh, 49, M.S., 52, Ph.D. (psychol), 53. Sr. psychologist, Pittsburgh Child Guid. Center, 53-56, dir. psychol. serv. Children's Hosp. Psychiat. Clin, 56-58; West. Pa. Diag. & Eval. Center, 58-61; exec. dir. community ment. health, Southeast Community Guid. Assn, Inc, Pa, 61-67; DIR. CHILD CARE PROJS, STATE MENT. HEALTH DIV, 67- Clinical instr. med. sch, Oregon, 68- U.S.A.A.F., 42-45, Sgt. Psychol. Assn; Orthopsychiat. Assn. Community mental health; differential diagnosis of children, especially brain damage; psychotherapy. Publ: Pastoral counseling in a metropolitan suburb; contrib. Rorschach study of child development. Address: State Mental Health Division, 2570 Center St. N.E., Salem, Ore. 97310.

SPIAGGIA, DR. MARTIN M (ARIO), b. New York, N.Y., Apr. 20, 18. CLINICAL & EDUCATIONAL PSYCHOLOGY. B.S., City Col. New York, 42; M.A., N.Y. Univ, 49, Ph.D. (psychol. ed. psychol), 58. Intern & clin. psychologist, State Dept. Ment. Hyg, N.Y., 47-48; psychometrician, adv. unit, City Col. New York, 48-49, voc. counsr. & res. asst., 49-50; psychologist & guid. counsr., New York Youth Bd, Community Ment. Health Bd, 50-58; SCH. PSYCHOLOGIST, EAST MEADOW SCH. SYST., 58- Summer instr., Hofstra, 67, faculty assoc., 67- Consult. psychologist, 54-; clin. psychologist, St. Anthony's Guid. Clin, 58- U.S.A., 52-45. Psychol. Assn. Psychotherapy, personality dynamics, cultures and cultural relations. Publ: Investigation of the personality traits of art students, Ed. & Psychol. Measurement; Prejudice verbalization among children, J. Ed. Psychol; Dynamic vocational counseling junior high school guidance project, J. Ed. Sociol. Address: 709 Park Ave, Huntington, N.Y. 11743.

SPICER, PROF. EDWARD H (OLLAND), b. Cheltenham, Pa, Nov. 29, 06; m. 36; c. 3. ANTHROPOLOGY. B.A., Arizona, 32, M.A., 33; Ph.D. (anthrop), Chicago, 39. Instr. ANTHROP, ARIZONA, 39-41, assoc. prof., 46-49, PROF, 49- Soc. Sci. Res. Coun. grant-in-aid, Ariz, 40-41; Guggenheim fel, Mex, 41-42, 55-56; soc. sci. analyst, U.S. Off. Indian Affairs, D.C., 42-43; prin. soc. sci. analyst, War Relocation Authority, 43-46; grants, Viking Fund, Mex, 47-48; vis. prof., field seminar, Cornell, 49-51; Nat. Sci. Found. sr. fel, 63-64. Consult, Stanford Res. Inst, 54; U.S. Off. Ed. & U.S. Dept. Interior, 67. AAAS; fel. Anthropol. Assn. (ed. Am. Anthropologist, 60-64); Soc. Appl. Anthropol. (v. pres). North Mexican ethnology; acculturation; applied anthropology. Publ: Ed, Perspectives in American Indian culture change; auth, Cycles of conquest: the impact of Spain, Mexico and the United States on Indians of the Southwest, 62 & co-auth, Six faces of Mexico, 66, Univ. Arizona. Address: Dept. of Anthropology, University of Arizona, Tucson, Ariz. 85721.

SPICER, PROF. GEORGE WASHINGTON, b. Flint Hill, Va, Oct. 31, 97. POLITICAL SCIENCE. A.B., Randolph-Macon Col, 20; summers, Virginia, 21, 22; Ph.D., Hopkins, 26. Acting assoc. prof. govt, Col. William & Mary, 23-24, prof. POLIT. SCI, 26-28; assoc. prof., VIRGINIA, 28-38, PROF, 38-, leader round table local govt, inst. pub. affairs, 33, 34. V.chnm. in charge res, State Cmn. County Govt, Va, 30-32, chmn., 32-38; leader forum, U.S. Off. Ed, Tenn, 36. Consult, Nat. Resources Cmt, 37-38; U.S. Cmn. Civil Rights, 59. Polit. Sci. Assn; Soc. Pub. Admin. State and local government; constitutional law and party politics; law and practice of governmental administration. Publ: Constitutional status and government of Alaska; Fifteen years of county manager government in Virginia; The Supreme Court and fundamental freedoms, Appleton, 59, 2nd ed, 67. Address: Dept. of Government, 344 Cabell Hall, University of Virginia, Charlottesville, Va. 22903.

SPIEGEL, DR. DONALD E (LWIN), b. Randall, Kans, May 6, 26. CLINICAL PSYCHOLOGY, HUMAN RELATIONS. B.A., Kansas, 51, M.A., 55, Ph.D., 58. Trainee clin. psychol, Vet. Admin, 54-58; RES. PSYCHOLOGIST, BRENTWOOD HOSP, VET. ADMIN. CENTER, 58- U.S.A., 51-58. Psychol. Assn. Role of dread in suicidal behavior; standardization of the Spiegel Personality Inventory; physiological correlates of psychological defenses; psychological and physiological responses to sound and color environments. Publ: Role of dread in suicidal behavior, J. Abnorm. & Soc. Psychol, 63; Effects of carphenazine, trifluoperazine and chlorpromazine on ward behavior, physiological functioning and psychological test scores of chronic schizophrenic patients, J. Nervous & Ment. Disease, 67; Autonomic balance and reactivity in relation to indices of psychopathology on the MMPI, J. Proj. Tech. & Personality Assessment, 67. Address: Brentwood Hospital, 183B, Veterans Administration Center, Wilshire & Sawtelle, Los Angeles, Calif. 90073.

SPIEGEL, DEAN FREDERICK CHARLES, b. Akron, Ohio, Sept. 27, 23; m. 47; c. 1. POLITICAL SCIENCE. B.S., Illinois State, 49, M.S., 50; Ph.D., Illinois, 58. From assoc. prof. to PROF. POLIT. SCI. & ASSOC. DEAN SCH. BUS. & PUB. ADMIN, MISSOURI, COLUMBIA, 55- Polit. Sci. Assn. Constitutional law. Publ: Illinois Court of Claims. Address: Dept. of Political Science, University of Missouri, Columbia, Mo. 65201.

SPIEGEL, DR. HAROLD R (OBERT), b. Cheboygan, Mich, May 7, 10; m. 40; c. 2. ECONOMICS. A.B., Albion Col, 32, hon. D.B.A., 66; M.A., Tufts Col, 34; univ. fel, Michigan, 34-45; univ. fel, Chicago, 35-36; Littauer fel, Harvard, 38-39, adv. mgt. prog, 58; Nat. War Col, 49-50. Sr. economist int. econ, U.S. Dept. Treas, 37-42; Am. Embassy, Eng, 42-44; from dep. dir. off. finance & develop. policy to chief div. financial affairs, U.S. Dept. State, 44-50; for. exchange mgr. & asst. treas. int. finance, Arabian Am. Oil Co, N.Y., 50-63; exec. asst. to Secy. Navy, 63-65; EXEC. SECY. & MEM. EXEC. MGT. COUN, ARABIAN AM. OIL CO, 65- Secy, Aramco Overseas Co, 65- Coun. For. Rel.; Econ. Assn. International finance; money and banking. Publ: Co-auth, Central bank and stabilization fund. Address: Arabian American Oil Co, Box 2502, Dhahran, Saudi Arabia.

SPIEGEL, PROF. HENRY W (ILLIAM), b. Berlin, Germany, Oct. 13, 11; nat; m. 47; c. 2. ECONOMICS. Heidelberg, Cologne, Zurich & Leyden, 30-33; J.U.D., Berlin, 33; Cornell, 36; Ph.D., Wisconsin, 39. Asst. prof. ECON, Duquesne, 39-42; lectr, CATHOLIC UNIV, 43-45, assoc. prof., 46-50, PROF, 50- Lectr, Mich. State Col, 42; Guggenheim fel, 46; lectr, Wisconsin, 47; Hopkins, 49-50; Howard, 54-63; Dumbarton, 55; economist, U.S. Dept. State, 45; lectr, Trinity Col. (D.C.), 56-62; Indust. Col. Armed Forces, 57, 59, 60, 61, 63, 65; Idaho, 58; Maryland, 59, 62-; Washington, 61; California, 62; Virginia, 66. Consult, President's Materials Policy Cmn, 51; Pub. Adv. Bd. for Mutual Security, 52; cmt. pub. works, U.S. House Reps, 62. U.S.A., 42-45. Econ. Assn; Arbit. Assn; Royal Econ. Soc. Economic theory; international economics; Latin American economic problems. Publ: Development of economic thought; Current economic problems; Rise of American economic thought. Address: Dept. of Economics, Catholic University of America, Washington, D.C. 20017.

SPIEGEL, DR. JOHN PAUL, b. Chicago, Ill, Mar. 17, 11; m. 35; c. 4. PSYCHIATRY, SOCIOLOGY. B.A., Dartmouth Col, 34; M.D., Northwestern, 38. Chief psychiat. clin, Michael Reese Hosp, Chicago, Ill, 46-51, attend. physician, 50-54, assoc. dir. inst. psychiat. & psychosom. res. & training, 51-54; res. assoc, lab. soc. rels, Harvard, 54-66, assoc. clin. prof. psychiat, sch. med, 57-66; PROF. SOC. PSYCHIAT, FLORENCE HELLER GRAD. SCH. ADV. STUDIES IN SOC. WELFARE, BRANDEIS, 66- Lectr, sch. soc. serv. admin, Chicago, 49-51; dept. soc. rels, Harvard, 53-, sch. med, 66-; Edward T. Gibson lectr, Kansas, 56; lectr, Tulane, 58. Assoc. attend. physician, Cook County Psychopath. Hosp, Chicago, Ill, 47-49. Chmn. cmt. on family, Group for Adv. Psychiat, 50-; mem. cmt. disaster studies, Nat. Res. Coun, 52-58; conf. group processes, Josiah Macy Jr. Found, 54-58; behav. sci. study sect, div. res. grants, Nat. Insts. Health, 58-62. Fel. Sociol. Assn; Psychiat. Assn; Psychosom. Soc; Soc. Appl. Anthropol. Social psychiatry; effect of family relationships and socio-cultural background of family on the psychological processes of the individual in sickness and health; military psychiatry; war neuroses. Publ: Co-auth, Men under stress & The family of the psychiatric patient, In: The handbook of American psychiatry; auth, Classification of body messages, Arch. Gen. Psychiat, 9/67. Address: Lemberg Center for the Study of Violence, Brandeis University, Waltham, Mass. 02154.

SPIEGEL, DR. JOSEPH, b. New York, N.Y., Oct. 27, 28; m. 53; c. 5. PSYCHOLOGY. A.B., Louisville, 50, M.A., 51; Ph.D. (psychol), Columbia, 60. Ed. adv, U.S. Dept. Air Force, Europe, 56-58; mem. tech. staff, syst. sci. dept, MITRE CORP, 59-61, sub-dept. head syst. design, 61-67; MANAGING DIR. DIGITAL SYST. EQUIP. GROUP, VIATRON COMPT. SYST. CORP, 68- U.S.A.F., 53; U.S.A., 53-55, 2nd Lt. AAAS; Psychol. Assn. Human reliability; design of man-machine systems; problem solving as a function of available information. Publ: Human factors in technology; co-auth, Military information systems—the design of computer-aided systems for command, Praeger, 64 & Information system science, Spartan, 65. Address: Wheeler Rd, Ashby, Mass. 01431.

SPIEGEL, DR. STANLEY, b. Brooklyn, N.Y., Apr. 18, 25; m. 51. PSYCHOLOGY. B.A., Adelphi Col, 50; M.S., City Col. New York, 52; Ph.D. (psychol), 57; W.A. White Psychoanal Inst, 62- Asst. psychol, testing & guid. bur, City Col. New York, 50-51; staff psychologist, Highland Hosp, Asheville, N.C., 51-53; asst. psychol. clin, Florida, 54-55, clinician, 55-56, res. asst, J. Hillis Miller Health Center, 56-57; clin. psychologist, Portsmouth Guid. Center, Va, 57-62; private practice, 62- Lectr, Col. William & Mary, 58-61. Dipl. Am. Bd. Exam. Prfnl. Psychol, 65. U.S.A.A.F., 43-46. Psychol. Assn. Psychoanalysis; projective techniques; personality theory. Publ: Use of puppets as a therapeutic tool with children, Va. Med. Monthly; Obstacles to non-clinical roles of mental health clinics, Ment. Health in Va. Address: 4 Edgewater Lane, South Nyack, N.Y. 10960.

SPIEGELGLAS, DR. STEPHEN, b. Lemberg, Austria, Oct. 8, 21; nat. M.A., Washington (St. Louis), 52; Ph.D. (econ), Wisconsin, 54. Instr. statist, Washington (St. Louis), 51-52; asst. prof. econ, Wisconsin, Milwaukee, 54-57;

BUS. ADMIN. Northwestern, 57-60; ASSOC. PROF. Boston, 60-62; Temple, 64-67; DREXEL INST., 67- Am. Econ. Assn; Statist. Assn; Royal Econ. Soc. International economics; statistics. Publ: World exports of manufactures 1956 vs. 1937, Manchester Sch. Econ. & Soc. Studies; Statistical investigation of the industrialization controversy, J. Statist. Assn; Some aspects of state-to-state commodity flows in the United States, J. Regional Sci. Address: Drexel Institute of Technology, Philadelphia, Pa. 19104.

SPIEGELMAN, DR. J(OSEPH) MARVIN, b. Los Angeles, Calif., May 26, 26; m. 53; c. 2. CLINICAL PSYCHOLOGY. B.A. California, Los Angeles, 48, M.A., 50, Ph.D. (psychol), 52; dipl. C.G. Jung Inst. Switz, 59. Clin. psychol. trainee, Vet. Admin., 51-53; PRACTICING PSYCHOLOGIST, 59- Fel. Inst. Int. Ed. Zurich, 56; Bollingen Found. fel., 56-59; lectr., California, Los Angeles, 60-66. Consult., Mt. Sinai Hosp., Los Angeles, 61-; Camarillo Hosp., 62-63; Patton Hosp., 67-68. Dipl., Am. Bd. Exam. Prinf. Psychol., 59- U.S. Merchant Marine & U.S.N.R., 44-46, Med. Serv. C., 53-55, Capt. Psychol. Assn. Analytical psychology. Publ: Psychological assessment of primitive culture; Chaps, In: Developments in the Rorschach technique; Implications of transference, 66. Address: 427 N. Camden Dr., Beverly Hills, Calif. 90210.

SPIEGELMAN, MORTIMER, b. Brooklyn, N.Y., Dec. 10, 01. DEMOGRAPHY. M.E. Polytech. Inst. Brooklyn, 23; M.B.A. Harvard, 25; Columbia, 39-43. Mem. staff, Metrop. Life Ins. Co., 26-48, asst. statistician, 49-52, assoc. statistician, 53-65, statistician, 65-66; STAFF STATISTICIAN, AM. PUB. HEALTH ASSN, 67- Chmn. pop. panel, intensive rev. cmt. appraisal census prog., Secy. Commerce, 53; dir., Soc. Sci. Res. Coun., 52-57; mem., tech. adv. cmt. on 1960 pop. census, U.S. Census Bur., 56-63. Fel. Am. Statist. Assn; fel. Am. Pub. Health Assn; Pop. Assn. Am. (treas., 52-54); fel. Soc. Actuaries; Biomet. Soc.; Inst. Actuaries, Gt. Brit; Int. Union Sci. Study Pop. Statistical aspects of mortality, life table, morbidity, family, human fertility, population distribution, aged, medical economics and money value of man. Publ: Introduction to demography, Harvard, 68; Ensuring medical care for the aged; Irwin, 60; Significant mortality and morbidity trends in the United States since 1900, Am. Col. Life Underwriters, 66. Address: 90 Riverside Dr., New York, N.Y. 10024.

SPIEGELMAN, DR. ROBERT G., b. San Francisco, Calif., Feb. 15, 28; m. 55; c. 2. ECONOMICS. B.S. California, Berkeley, 49; Ford Found. fel., India, 55-56; Ph.D. (econ), Columbia, 59. Instr. econ. Pomona Col., 57-59; SR. ECONOMIST, STANFORD RES. INST., 59- U.S.N.R., 51-53, Lt. (jg). Econ. Assn; Regional Sci. Assn. Regional economic development planning; economics of education; public policy research. Publ: Application of multiple regression analysis to the study of industry location, U.S. Dept. Agr. (in press) & Analysis of urban agglomeration, Agr. Econ. Report No. 96, 66; On activity analysis models in regional development planning, Papers & Proc. Regional Sci. Assn, 12/68. Address: 6 Manor Place, Menlo Park, Calif. 94025.

SPIELBERG, DR. JOSEPH, b. Harlingen, Tex., Jan. 30, 36; m. 63; c. 1. CULTURAL ANTHROPOLOGY. B.A. Texas, Austin, 58, M.A., 59; Ph.D. (anthrop), Mich. State, 65. Res. instr. sociol, MICH. STATE, 61, res. assoc. anthrop, 62, teaching asst., 62-63, res. assoc. labor & indust. rels., 63-64, ASST. PROF. ANTHROP., 64- Res. grant, Latin Am. Studies Center, Mich. State, 65-66; Fulbright lectr., Costa Rica, 67. Anthropol. Assn. Cultural ecology and community social organization in Mexico and Central America; socio-cultural factors in health and medical care among Mexican-Americans in the United States. Publ: Co-auth., Aspects of Couvade in Texas and Northeast Mexico, In: Summa Antropologica, Nat. Inst. Anthropol. & Hist. Mexico, 66 & Social and cultural factors in the responses of Mexican-Americans to medical treatment, J. Health & Soc. Behav., 12/67; auth., Small village relations in Guatemala, Human Orgn. (in press). Address: Dept. of Anthropology, Michigan State University, East Lansing, Mich. 48823.

SPIELBERGER, PROF. CHARLES D(ONALD), b. Atlanta, Ga., Mar. 28, 27; m. 52; c. 1. PSYCHOLOGY. B.S., Ga. Inst. Tech., 49; B.A., Iowa, 51, M.A., 53, Ph.D. (psychol), 54. Asst. prof. med. psychol., Duke, 55-58, psychol., 58-62, assoc. prof., 62-63; prof., Vanderbilt, 63-65; training specialist, Nat. Inst. Ment. Health, 65-67; PROF. PSYCHOL. & DIR. CLIN. TRAINING, FLA. STATE, 67- Consult., Vet. Admin., 56-; Fed. Correctional Inst., Tallahassee, Fla., 68-; Calif. Dept. Ment. Health, 68. U.S.N.R., 45- Lt. Comdr. Psychol. Assn; Psychonomic Soc. Publ: Auth. & ed., Anxiety and behavior, Academic, 66; co-auth., Contributions to general psychology, Ronald, 68; auth., Descriptive behaviorism vs cognitive theory in verbal conditioning, Psychol. Rev., 66. Address: 3312 North Shore Circle, Tallahassee, Fla. 32306.

SPIELMAN, PROF. RALPH, b. Leipzig, Germany, Oct. 30, 14; nat; m. 44; c. 1. SOCIOLOGY. M.A. Michigan, 47, Ph.D. (sociol), 53. Instr. SOCIOLOGY, Cincinnati, 51-52; asst. prof., Wellesley Col., 52-55; vis. lectr., Kentucky, 55-58; PROF. BUCKNELL, 58- U.S.A., 43-46. Sociol. Assn; Pop. Assn. Human ecology; urban society. Address: Dept. of Sociology, Bucknell University, Lewisburg, Pa. 17837.

SPIELMANN, DR. HEINZ, b. Vienna, Austria, Nov. 3, 19; nat; m. 51; c. 2. AGRICULTURAL ECONOMICS. B.A. Washington (Seattle), 49, M.A., 54; Ph.D. (agr. econ), Washington State, 62. Mkt. analyst, State Dept. Agr., Wash., 55-56; asst. prof. agr. econ. & econ. Mont. State Col., 60-64; ASSOC. PROF. AGR. ECON. HAWAII, 64- Hawaii participant, Consumption & Use Patterns for Dairy Prod. & their Substitutes Proj. U.S.A., 41-45. Marketing policy; cooperation and cooperatives. Publ: Auth., Demand analysis and market development for fresh and potentially gamma irradiated papaya on United States mainland markets, 68 & co-auth., Some aspects of financial planning in agricultural cooperatives, 68, Hawaii Agr. Exp. Sta. Bull.; Financing farmers cooperatives in Hawaii, Hawaii Agr. Exp. Sta. Econ. Report, 68. Address: Dept. of Agricultural Economics, University of Hawaii, Honolulu, Hawaii 96822.

SPIER, DR. LEO, U.S. citizen. INTERNATIONAL BUSINESS, ECONOMICS. B.S. Cornell, 55; M.B.A., Washington, 59, D.B.A. (int. bus), 62. Asst. prof. INT. BUS. California, Berkeley, 62-67; ASSOC. PROF., PA. STATE, 67- Lectr., Bechtel Corp., 66- Consult., Kaiser Indus. Int., 65- Econ. Assn; Acad. Polit. Sci.; Acad. Polit. & Soc. Sci. Interdisciplinary analyses of business behavior in the international environment. Publ: Co-auth., Graph

theory as a method for studying business behavior, In: Interdisciplinary studies in business behavior, South-Western Pub., 62; auth., Implication of the 1962 trade exposition act, Calif. Mgt. Rev., 64; Restrictive business practices and competition in the E.E.C., Calif. Law Rev., 65. Address: College of Business Administration, Pennsylvania State University, University Park, Pa. 16802.

SPIER, PROF. ROBERT F(OREST) (AYTON), b. Seattle, Wash., June 12, 22; m. 51. ANTHROPOLOGY. B.A. California, 47; Winthrop scholar, Harvard, 48, Hemenway fel., 48-49, Viking Fund fel. & A.M., 49, Ph.D. (anthrop), 54. Instr. ANTHROP. Missouri, Columbia, 49-51; instr., Minnesota, 51-52; MIS-SOURI, COLUMBIA, 52-54, asst. prof., 54-61, assoc. prof., 61-66, PROF., 66- NATO fel., Netherlands, 60-61; vis. assoc. prof., Oregon, 62-63. C.Eng., U.S.A.A.F., 42-46. Fel. Anthropol. Assn. History of technology; material culture of aboriginal peoples; Yokuts Indians of California; plant domestication. Publ: Some notes on the origin of Taro, Southwest. J. Anthropol.; Skeletal remains from the Campbell Site, Mo. Archaeologist; Tool acculturation among 19th-century California Chinese, Ethnohistory, 58. Address: Dept. of Anthropology, University of Missouri, Columbia, Mo. 65201.

SPIES, DR. GORDON, b. Richmond, Eng., Oct. 8, 18; U.S. citizen; m. 45; c. 2. PSYCHOLOGY. B.A. Sir George Williams, 60; M.A. Cornell, 62, Nat. Inst. Ment. Health fel. & Ph.D. (psychol), 64. Asst. prof. PSYCHOL., Lake Forest Col., 64-67; ASSOC. PROF. & CHMN. DEPT. MONMOUTH COL. (ILL), 67- Res. assoc., State Univ. N.Y. Vet. Col., Cornell, summer 64. AAAS; Psychol. Assn. Neural substrates of motivation and learning. Publ: Co-auth., Conditioning of the nictitating membrane in the frog, Rana Pipiens, 6/64 & auth., Food versus intracranial self-stimulation in food deprived rats, 10/65, J. Comp. & Physiol. Psychol.; auth., A study of retroactive inhibition under unilateral cortical depression, Psychonomic Sci., 4/67. Address: Dept. of Psychology, Monmouth College, Monmouth, Ill. 61462.

SPIESS, PROF. ELIOT B(RUCE), Genetics, see 11th ed, Phys. & Biol. Vols.

SPIETH, DR. HERMAN T(HEODORE), Zool., see 11th ed, Phys. & Biol. Vols.

SPIETH, DR. WALTER, b. Des Moines, Iowa, Oct. 2, 25. EXPERIMENTAL PSYCHOLOGY. B.A., Iowa, 48, M.A., 51, Ph.D. (psychol), 52. Res. assoc. psychol., Southern California, 52-54; res. psychologist, oper. applns. lab., U.S. Air Force Cambridge Res. Center, 54-59; chief behav. sci. sect. res. proj. aging, Fed. Aviation Agency, 59-65; SCIENTIST-ADMINSTR. ADULT DEVELOP. & AGING BR., NAT. INST. CHILD HEALTH & HUMAN DEVELOP., 65- U.S.N., 44-46. Psychol. Assn; Geront. Soc. Age, chronic diseases and performance; changes in behavior with age. Address: National Institute of Child Health & Human Development, Bethesda, Md. 20014.

SPIGEL, DR. IRWIN M(YRON), Exp. Psychol., see 11th ed, Suppl. IV to Phys. & Biol. Vols.

SPIKER, DR. CHARLES C(ALVIN), b. Thomas, Okla., Mar. 6, 25; m. 44; c. 1. PSYCHOLOGY. A.B. San Francisco State Col., 48, M.A., Iowa, 49, Ph.D., 51. Asst. CHILD PSYCHOL., CHILD WELFARE RES. STA., IOWA, 48-51, asst. prof., 51-55, assoc. prof., 55-59, PROF., 59- DIR., 62- acting dir., 60-62. U.S.A., 43-46, Sgt. Fel. Psychol. Assn; Soc. Res. Child Develop. Learning of children and effects of children's language on other aspects of their behavior. Publ: Experiments with children on the hypotheses of acquired equivalence and distinctiveness of cues, Child Develop.; Research methods in children's learning, In: Handbook of research methods in child development. Address: Institute of Child Behavior & Development, University of Iowa, Iowa City, Iowa 52240.

SPIKLA, PROF. BERNARD, b. New York, N.Y., Aug. 12, 26; m. 53. PSYCHOLOGY. B.A., N.Y. Univ., 49; M.S. Purdue, 50, Ph.D., 52. Asst. psychol., Purdue, 50, voice sci., 50-52; res. psychologist, combat crew lab, Randolph Air Force Base, 52-53; staff psychologist, human eng. dept, spec. devices center, U.S. Dept. Navy, 53-55; asst. prof. PSYCHOL., Washburn, 55-57; DENVER, 57-61, assoc. prof., 61-64; PROF., 64- Nat. Inst. Ment. Health res. grant, 65-67. Social psychology; personality. Address: Dept. of Psychology, University of Denver, Denver, Colo. 80210.

SPILLER, DR. BERTRAM, b. Lynn, Mass., June 1, 19; m. 56; c. 1. SOCIOLOGY. B.S. Northeastern, 42, M.A., Boston, 47, Ph.D. (sociol), 61. Res. asst. delinquency, Spec. Youth Proj., 58-61; asst. prof. SOCIOLOGY, Washburn, 61-63, acting head dept., 63-65, assoc. prof., 64-67, chmn. dept., 66-67; ASSOC. PROF., BRIDGEPORT, 67- Nat. Inst. Ment. Health res. grant, 60-61. Consult., Menninger Found., Topeka, Kans., 62-64. U.S.A.A.F., 42-46, S/Sgt. Sociol. Assn; Soc. Criminol.; Soc. Study Social Probs. Juvenile delinquency and corrections; social stratification. Publ: Delinquency and middle class goals, J. Criminal Law, Criminol. & Police Sci., 65; The seven steps program, Prison J., 66. Address: Dept. of Sociology, University of Bridgeport, Bridgeport, Conn. 06602.

SPILLER, DR. EARL A(LEXANDER), JR., b. Buffalo, N.Y., Aug. 15, 34; m. 56; c. 2. ACCOUNTING, FINANCE. B.A. Ohio Wesleyan, 56; Rodkey fel., Michigan, 56-57, M.B.A., 57, Ford Found. fel., 57-59, Ph.D. (bus. admin), 60. Asst. Merrill Found. Tax Res., Michigan, 59, instr. ACCT., 59-60; asst. prof., WASHINGTON (ST. LOUIS), 60-64, ASSOC. PROF., 64- Faculty res., Arthur Andersen & Co., 67-68. Am. Acct. Assn; Econ. Assn; Nat. Assn. Acct. Development of accounting concepts and theory; managerial accounting and finance. Publ: Co-auth., Ethics and standards in American business, Houghton, 64; auth., Financial accounting: basic concepts, Irwin, 66; Theory and practice in the development of accounting, Acct. Rev., 64. Address: Graduate School of Business, Washington University, St. Louis, Mo. 63130.

SPINDEN, DR. H(ERBERT) J(OSEPH), Anthropol., see 10th ed, Soc. & Behav. Vols., deceased 67.

SPINDLER, PROF. CHARLES ROBERT, b. Livonia, Mo., May 7, 19; m. 43; c. 5. MARKETING, ECONOMICS. B.S. Northeast Mo. State Teachers Col., 39-40; M.A., Iowa, 42; Washington (St. Louis), 46-47. Teacher, high sch., Mo., 39-40; 46-48; Iowa, 40-42; prof. econ. & head dept., Mo. Valley Col., 48-50;

PROF. MKT. & CHMN. DEPT, MEMPHIS STATE, 50- Summer vis. prof. Cent. Wash. State Col. 67. Econ. consult. Standard Oil Co. 60; consult. Brick Muller & Assoc., 60-; Union Planters Nat. Bank, 66; Forcum-Lannom, Inc. 67. U.S.N. 42-45, Res. 45-, Lt. Comdr. Mkt. Asn; Mgt. Asn. Increasing efficiency of marketing operation; population and store location studies; consumer preference studies; development of continuous consumer panel; pricing studies; employee attitudes; new product testing. Publ: Co-auth. Principles of marketing; auth. Distributive education: a challenge to Tennessee high schools, In: Educational quest. Address: Dept. of Marketing, College of Business Administration, Memphis State University, Memphis, Tenn. 38111.

SPINDLER, PROF. GEORGE DEARBORN, b. Stevens Point, Wis. Feb. 28, 20; m. 42; c. 1. **SOCIAL ANTHROPOLOGY.** B.S. Wis. State Col. 40; M.A. Wisconsin, 47; Ph.D. California, Los Angeles, 52. Res. assoc. ED. & ANTHROP. STANFORD, 50-52, asst. prof. 52-55, assoc. prof. 55-60, PROF. 60- Fel. Center Adv. Study Behav. Sci. 56-57; Burton lectr. Harvard, 57. Co-ed. Case studies in Cultural Anthropol. Ed. & Culture, Methods in Anthropol. 60-; ed. Am. Anthropologist, 62-66. Mil. Intel. U.S.A. 42-45. Anthropol. Asn. Cultural transmission; personality and culture; urbanization and modernization in German villages. Publ: Sociocultural and psychological processes in Minomini acculturation, Univ. California, 55; co-auth. Culture and education, 63 & Culture in process, 67, Holt. Address: Dept. of Anthropology, Stanford University, Stanford, Calif. 94305.

SPINDLER, PROF. HERBERT GEORGE, b. Stratford, Wis. Feb. 21, 11; m. 40; c. 1. **AGRICULTURAL ECONOMICS.** B.A. Wisconsin, 38; M.B.A. Boston, 42. Auditor, Fed. Milk & Mkt. Admin. 39-46; sr. asst. acct. Haskins & Sells, 47-48; off. mgr. McCadam Cheese Co. 48; ASST. PROF. AGR. ECON. RES. & MKT, MASSACHUSETTS, AMHERST, 48- Milk marketing, especially cost and volume factors. Publ: Labor costs on retail milk routes & What price in adjoining markets and milksheds? Agr. Exp. Bull; Effects of sales of milk in multiple quart containers, Exp. Sta. Bull. Address: Dept. of Agricultural Economics Research, University of Massachusetts, Amherst, Mass. 01003.

SPINDLER, DR. LOUISE S(CHAUBEL), b. Chicago, Ill. Mar. 4, 17; m. 42; c. 1. **ANTHROPOLOGY.** B.A. Carroll Col.(Wis), 38; Wisconsin, 47-49; California, Los Angeles, 48-49; Wenner-Gren Found. grant & M.A. Stanford, 52, Ph.D.(women & culture change), 56. Asst. coordinator culture change res, STANFORD, 52-57, RES. ASSOC. & LECTR. ANTHROP. 57- Co-ed. Case Studies in Cultural Anthropol. Holt, Rinehart & Winston, Inc. 61- Fel. Anthropol. Asn.(asst. ed. Am. Anthropologist, 62-66). American Indians and cultural dynamics, especially relationships between the social, psychological and cultural dimensions during the process of acculturation. Publ: Women and culture change, Am. Anthropol. Asn. 62; co-auth. Culture in process, Holt, 67; auth. Witchcraft in Menomini acculturation, Caxton Press, 68. Address: Dept. of Anthropology, Stanford University, Stanford, Calif. 94305.

SPINGARN, JAMES A(LAN), b. New York, N.Y. June 8, 28; m. 55; c. 2. **CLINICAL PSYCHOLOGY.** B.A. Miami (Fla), 49, M.S. 50; N.Y. Univ. 50-54. Asst. clin. psychologist, Mount Sinai HOSP. 52-53, supv. psychologist, 53-54, res. fel. child psychiatrist, 60-62, instr. hypnosis, 61-62; psychologist in charge, Hosp. Joint Diseases, 58-63; CLIN. PSYCHOLOGIST, 62- Staff psychotherapist, Brooklyn Med. Assoc. Neurol. & Psychiat. 61-62; Wash. Square Consult. Center, 62-63. Adv. panel mem. proj. Respect for Drugs, col. pharm. Columbia, 66- Consult. div. voc. rehab. State Ed. Dept. 58-Head psychol. dept. Naval Med. Field Res. Lab, Camp Lejeune, N.C. 55-57, Med.Serv.C. 54-57, Lt.(jg). AAAS; Psychol. Asn; Group Psychother. Asn; Asn. Appl. Psychoanal; Soc. Sci. Study Sex. Hypnosis; drug addiction; individual group psychoanalysis. Publ: Brain injury and morphine withdrawal, Psychol. Bull; co-auth. The psychogenic etiology of premature births, Psychosom. Med. 5-6/63. Address: 16 E. 98th St, New York, N.Y. 10029.

SPINGARN, JEROME, b. Jersey City, N.J. Feb. 27, 14; m. 44; c. 2. **LAW, POLITICAL SCIENCE.** A.B. Dartmouth Col. 35; LL.B. Columbia, 39. Legis. asst. U.S. Senate, 46-47; asst. to chmn. House com. lobbying activities, U.S. Cong. 48-49; asst. res. dir. Democratic Nat. Cmt. 51-52; lawyer, 53-55; staff dir. ARMS CONTROL, Disarmament Studies Proj. 55-57; Nat. Planning Asn. 57-62; SR. ADV. U.S. ARMS CONTROL & DISARMAMENT AGENCY, 62- Vis. prof. Fairleigh Dickinson, 56-57; prof. lectr. American Univ. 65- Secy, President's Task Force on Disarmament, 61; mem. U.S. del. Eighteen Nation Disarmament Conf. 67. U.S.N. 43-46, Lt. Comdr. Polit. Sci. Asn; Soc. Int. Law; Inst. Strategic Studies. Arms control; communications. Publ: Is disarmament possible?, Pub. Affairs Pamphlets, 56; New approaches to disarmament, For. Policy Asn. 61. Address: 3212 McKinley St. N.W., Washington, D.C. 20015.

SPINNER, PROF. ALLEN HAMILTON, Indust. Eng. see 11th ed, Phys. & Biol. Vols.

SPINRAD, PROF. WILLIAM, b. New York, N.Y. Aug. 13, 17; m. 53; c. 2. **SOCIOLOGY.** B.S.S. City Col. New York, 41; M.A. Columbia, 50, Ph.D. 55. From instr. to asst. prof. sociol. Rutgers, 55-59; assoc. prof. soc. sci. Paterson State Col. 59-65; PROF. SOCIOL. ADELPHI, 65- Res. consult. urban studies center, Rutgers, 65-66. U.S.A. 42-46. Sociol. Asn; Soc. Study Social Probs. Public opinion and communication; political, urban and industrial sociology; sociology of civil liberties. Publ: Correlates of trade union participation, Am. Soc. Rev. 4/60; Power in local communities, Soc. Probs. winter 65; The socio-political orientations of C. Wright Mills, Brit. J. Sociol. 3/66. Address: Dept. of Sociology, Adelphi University, Garden City, N.Y. 11530.

SPIRER, PROF. JESS, b. Verona, Pa. May 13, 11; m. 36; c. 2. **CLINICAL PSYCHOLOGY.** A.B. Pittsburgh, 31, M.A. 33, Ph.D.(psychol.) 39; LL.B. Duquesne, 43. Psychol. intern. West. State Penitentiary, Pa. 33-34, psychologist, 34-42, sr. psychologist, 42-45; PROF. PSYCHOL. & SOCIOL., MIAMI (FLA), 45-, DIR. UNIV. GUID. CENTER, 47- Lectr. Pittsburgh, 43-45; State Dept. Pub. Instr. Pa. 43-45. Dipl. Am. Bd. Exam. Prinl. Psychol. 48; Fel. Psychol. Asn; Soc. Proj. Tech. assoc. Acad. Neurol. Dynamics of behavior; problems of childhood and adolescence. Address: University Guidance Center, University of Miami, Coral Gables, Fla. 33124.

SPIRO, DR. ALAN ARTHUR, b. New York, N.Y. Dec. 19, 30; m. 54. **ECONOMICS.** B.A. Brooklyn Col. 53; Ph.D. Columbia, 60. Instr. ECON, Adelphi Col. 55-56; Bard Col. 56-58; Hofstra Col. 58-61; asst. prof. CITY COL. NEW YORK, 61-66, ASSOC. PROF. 66- Micro-economics; business cycles; economic growth. Publ: Empirical research and the rate of interest, Rev. Econ. & Statist; Wealth and the consumption function & The direction of change of consumption during business cycle contractions, 10/63, J. Polit. Econ. Address: 17 Lexington Ave, New York, N.Y. 10010.

SPIRO, DR. BENJAMIN P(AUL), b. Concise, Switz, June 8, 17; m. 63; c. 1. **ECONOMICS, POLITICAL SCIENCE.** M.A. Lausanne, 39 & 40, Dr.(polit. sci.), 41; Columbia, 41-42. Secy, Legation of Switz, D.C. 43-44; for. trade, Irving Trust, N.Y. 45-46; asst. prof. int. econ. & corp. finance, Duke, 46-47; ops. officer, World Bank, 47-59; prog. mgr. int. finance, Stanford Res. Inst. 59-60; consult. develop. instn. Inter-Am. Develop. Bank, 60-61, for. econ. & financial consult. 61-62; PRES. BENJAMIN SPIRO ASSOCS. INC. 62- Pres. Bank-Fund Credit Union, D.C. 59-60. For. econ. & financial consult. to int. orgns. including UN, Food & Agr. Orgn. Inter-Am. Develop. Bank, World Bank & Int. Labor Off. also Swiss, U.S. & Brazilian govts. & private corps. Swiss Army, 37-41. Econ. Asn. International relations and economics; corporate finance. Publ: Auth. articles & publ. on econ. develop. indust. & develop. instns. in developing areas, including Brazil, Colombia, Peru, Uruguay & Zambia. Address: 24 California St, San Francisco, Calif. 94111.

SPIRO, PROF. HERBERT J(OHN), b. Hamburg, Germany, Sept. 7, 24; nat; m. 58; c. 2. **POLITICAL SCIENCE.** Holtzer fel. Sheldon traveling fel. & Ph.D.(polit. sci.) Harvard, 53. Fulbright grant, Germany, 53-54; instr. govt. Harvard, 54-57, asst. prof. 57-61; assoc. prof. POLIT. SCI. Amherst Col. 61-65; PROF. PENNSYLVANIA, 65- Rockefeller Found. fel. 58-59; Guggenheim fel. 59-60; Fulbright res. prof. Rhodesia & Nyasaland, Africa, 59-60; Soc. Sci. Res. Coun. fcls. 59-60 & 67-68; chmn. Asian & African Studies Prog. Amherst, Mt. Holyoke & Smith Colls. & Univ. Massachusetts, 64-65. U.S.A. 43-45, Sgt. Bronze Star Medal with Oak Leaf Cluster. Am. Polit. Sci. Asn; Soc. Polit. & Legal Philos; fel. African Studies Asn; Int. Polit. Sci. Asn. Comparative government; political theory. Publ: World politics; Government by constitution; Politics in Africa. Address: Dept. of Political Science, University of Pennsylvania, Philadelphia, Pa. 19104.

SPIRO, PROF. MELFORD E(LLIOT), b. Cleveland, Ohio, Apr. 26, 20; m. 50; c. 2. **SOCIAL ANTHROPOLOGY.** B.A. Minnesota, 41; Pac. Sci. Bd. fel. Northwestern, 47-48, Ph.D. 50. From instr. to asst. prof. ANTHROP. Washington (St. Louis), 48-52; asst. prof. Connecticut, 52-55; assoc. prof. 55-57; PROF. Washington (Seattle), 57-64; CHICAGO, 64- Soc. Sci. Res. Coun. fel. 51-52, faculty res. fel. 55-57, dir. 60-62; Nat. Inst. Ment. Health res. grant, 58-60; fel. Center Adv. Study Behav. Sci. 58-59; dir. Human Rel. Area Files, 60-; Nat. Sci. Found. res. grant, 61-62; res. fel. anthropol. soc. sci. res. inst. Univ. Hawaii, 67-68; Nat. Insts. Health res. grant, 68-71. AAAS; Anthropol. Asn; Asn. Asian Studies; Ethnol. Soc.(pres. 68-69). Culture and personality; comparative religion. Publ: Kibbutz: venture in utopia, 55 & Children of the kibbutz, 58, Harvard; Burmese supernaturalism, Prentice-Hall, 67. Address: Dept. of Anthropology, University of Chicago, Chicago, Ill. 60637.

SPIRO, DR. MICHAEL HANS, b. Regensburg, Germany, Aug. 17, 32; U.S. citizen; m. 64; c. 1. **ECONOMICS.** B.S. Carnegie Inst. Tech. 56; M.I.A. Yale, 58; Ph.D.(econ). Mass. Inst. Tech. 65. Sr. analyst computers, Honeywell, Inc. 61-65; ASST. PROF. BUS. ADMIN. & ECON. PITTSBURGH, 65- Econ. Asn; Inst. Mgt. Sci. Economic theory; labor and managerial economics; computer simulation of economic systems. Publ: Employment impact of government procurements, Brookings Inst. 68. Address: Graduate School of Business, University of Pittsburgh, Pittsburgh, Pa. 15213.

SPITZ, DR. ALLAN AUGUST, b. Birmingham, Ala. Oct. 9, 28; m. 56; c. 2. **POLITICAL SCIENCE.** M.A. Mich. State, 54, Ph.D.(polit. sci.) 64; Ford fel. California, Berkeley, 54-55; Fulbright fel. Tokyo, 55-56. Instr. soc. sci. Mich. State, 60-62; asst. prof. POLIT. SCI. Hawaii, 62-65; WASHINGTON STATE, 65-67, ASSOC. PROF. & ACTING DIR. OFF. INT. PROGS. 67- Summers, consult. East-West Center, Univ. Hawaii, 65, Center Develop. Changes, Univ. Ky. 67. U.S.M.C. 46-48. Polit. Sci. Asn; Acad. Polit. Sci; Soc. Pub. Admin. Contemporary politics of east and southeast Asia, especially problems of development and modernization. Publ: Contemporary China, Washington State Univ. 67; Modernization and development, Univ. Kentucky, 68; American democratic transplantation, Polit. Sci. Quart. 9/67. Address: Dept. of Political Science, Washington State University, Pullman, Wash. 99163.

SPITZ, PROF. DAVID, b. New York, N.Y. Dec. 13, 16; m. 42; c. 2. **POLITICAL SCIENCE.** B.S.S. City Col. New York, 37; A.M. Columbia, 39, Ph.D. (polit. sci.) 48. Instr. POLIT. SCI. OHIO STATE, 47-49, asst. prof. 49-52, assoc. prof. 52-57, PROF. 57-, fel. 50. Ford faculty fel. 51-52; summer vis. prof. Hunter Col. 54; Fund for Repub. fel. 55; Rockefeller fel. 55-56, 60; vis. prof. Cornell, 58-59; Kenyon Col. 60-61; Fulbright vis. prof. Bologna Center, Hopkins, 62-63; summer vis. prof. California, Berkeley, 67. U.S.A. 41-45. Polit. Sci. Asn; Soc. Polit. & Legal Philos. Political philosophy. Publ: Patterns of anti-democratic thought, Macmillan, 49, rev. ed. 65; Democracy and the challenge of power, Columbia, 58; The liberal idea of freedom, Univ. Arizona, 64. Address: Dept. of Political Science, Ohio State University, 216 N. Oval Dr, Columbus, Ohio 43210.

SPITZ, DR. HERMAN, b. Paterson, N.J. Mar. 2, 25; m. 52; c. 2. **PSYCHOLOGY.** A.B. Lafayette Col. 48; Ph.D. N.Y. Univ. 55. Clin. psychologist, Trenton State Hosp. N.J. 51-57; res. assoc. EXP. PSYCHOL. E.R. JOHNSTONE TRAINING & RES. CENTER, 57-62, DIR. RES. 62- U.S.A. 43-45. Psychol. Asn. Perception; information theory and illusions as related to mental retardation. Publ: Present status of the Köhler-Wallach theory of satiation, Psychol. Bull. 1/58; Field theory in mental deficiency, In: Handbook of mental deficiency, McGraw, 63; The role of input organization in the learning and memory of mental retardates; In: International review of research in mental retardation, Vol. 2, Academic, 66. Address: E.R. Johnstone Training & Research Center, Bordentown, N.J. 08505.

- SPITZE, PROF. ROBERT G(EOGE) F(REDERICK), b. Berryville, Ark. Oct. 12, 22; m. 44; c. 2. AGRICULTURAL ECONOMICS. B.S. Arkansas, 47; Knappfel, Wisconsin, 50, Ph.D.(agr. econ), 54. Asst. AGR. ECON, Wisconsin, 47-50, instr, 51; asst. prof, Tennessee, 51-54, assoc. prof, 54-56, PROF, 56-60; ILLINOIS, URBANA, 60-, asst. to head dept. teaching, 64-67. Am. Farm Econ. Assn. travel grant, Int. Assn. Agr. Econ, France, 64; Center Int. Comp. Studies suppl. grant, Wye Col, London & Wash, D.C., 67-68. U.S.N.R. 43-46, Lt. Econ. Asn; Am. Agr. Econ. Asn; Int. Assn. Agr. Econ. Agricultural policy; agricultural finance; economic development. Publ: Determinants of capital formation in agriculture, In: Capital and credit needs in a changing agriculture; Agricultural economics teaching and our domestic problems, 12/62; Agricultural economics—predictive or prescriptive, 8/65, J. Farm Econ. Address: Dept. of Agricultural Economics, University of Illinois, Urbana, Ill. 61801.
- SPITZER, DR. ALLEN, Cultural Anthropol, see 10th ed, Soc. & Behav. Vols, deceased 67.
- SPITZER, DR. EMIL G(EOGE), b. Troppau, Austria, Nov. 11, 00; nat; m. 27. ECONOMICS. J.U.D. Vienna, 27; League of Nations fel, Geneva, 30; A.M., Harvard, 43. Bank official, Austria, 20-38; asst. ed. statist, Pub. Sch. Bd, Ind, 41; asst. cmt. res. soc. sci, grad. sch. pub. admin. & bus. admin, Harvard, 43-46; sr. economist, Int. Monetary Fund, 46-65; sr. econ. affairs officer, dept. econ. & soc. affairs, UN, 66-67; CONSULT. INT. ECON, INT. MONETARY FUND, 67- Spec. instr, civil affairs training sch, Boston, 43-44; Simmons Col, 43-44; lectr, Swarthmore Col, 44; instr, Tufts Col, 45; lectr, Catholic Univ, 48-50; American Univ, 50-52. Econ. Asn; Finance Assn. International economics; money, credit and banking; investment; financing of development; development planning; economic stabilization programs. Publ: Currency stabilization in Austria, In: Finance and development, Int. Monetary Fund & Int. Bank Reconstruction & Develop, 3/66. Address: 4631 49th St. N.W., Washington, D.C. 20016.
- SPITZER, DR. MORTON EDWARD, b. New York, N.Y., Jan. 3, 37; m. 65. PSYCHOLOGY. B.A., Brooklyn Col, 57; M.S., N.C. State, 59; Ph.D.(psychol), N.Y. Univ, 64. Sr. res. analyst, PURDUE INS. CO. AM, 64-68, ASSOC. DIR. RES. & OPER. ANAL, 68- Lectr, grad. sch. bus, Fairleigh Dickinson, 66- AAAS; Psychol. Asn. Organization and communication; consumer and employee motivation. Publ: Co-auth, Prompting vs. confirmation in paired associate learning, J. Exp. Psychol, 60, Expatriate selection research, In: Social science research reports, Vol. II, Standard Oil Co, N.J. 62 & A managerial selection study, Personnel Psychol, 64. Address: 77 E. 12th St, New York, N.Y. 10003.
- SPITZER, PROF. MURRAY, b. Detroit, Mich, Oct. 8, 04; m. 31; c. 2. ECONOMICS, MARKETING. A.B., Albion Col, 26; M.A., Southern California, 27. Instr. sociol, Wharton Sch. Finance, Pennsylvania, 27-29; mgr. mfg, Black Starr & Gorham, 29-43; mgr. nat. retail & mail order jewelry sales, Sears Roebuck & Co, 43-46; v.pres. & gen. mgr, Henry Kohn & Sons, 46-51; asst. merchandise mgr, G. Fox & Co, 51-54; merchandise mgr, Brown Thomsons, 54-56, asst. to pres, 56-57; ASST. PROF. mkt, Connecticut, 57-58; ECON, QUINNIPIAC COL, 58- Address: Dept. of Economics, Quinnipiac College, Hamden, Conn. 06107.
- SPITZER, PAUL S(TEVEN), b. New York, N.Y., Oct. 17, 19; m. 46; c. 3. PSYCHOLOGY. A.B., Michigan, 47, M.S., 48; California, 48-51. Staff psychologist, Contra Costa County Prob. Dept, Calif, 51-53; sr. clin. psychologist, NELLES SCH. BOYS, STATE DEPT. YOUTH AUTHORITY, 53-61, SUPV. PSYCHIAT. TREATMENT, 61- Consult, El Dorado County Pub. Schs, 53. C.Eng, Med.Serv.C, Res, 46-, Maj. Psychol. Asn. Crime and delinquency; correctional psychology; treatment methods. Address: 11850 E. Whittier Blvd, Whittier, Calif. 90601.
- SPITZER, DR. STEPHAN P, b. Vienna, Austria, Oct. 2, 33; U.S. citizen; m. 57; c.1. SOCIOLOGY, PSYCHOLOGY. B.A., Cent. Wash. State Col, 57; M.S., Washington (Seattle), 60, Ph.D.(sociol), 63. Res. assoc. psychiat, Washington (Seattle), 60-63, instr. SOCIOL, 61-63; asst. prof, IOWA, 63-67, ASSOC. PROF, 67- Iowa Ment. Health Authority Psychiat. Patient Career res. grant, 65-68. Sig.C, 52-55. Sociol. Asn. Social perception and interaction; personality disturbances. Publ: Co-auth, The mental patient, McGraw, 68; auth, Consensual states and communicative behavior, Sociometry, 64; co-auth, The self concept: test equivalence and perceived validity, Sociol. Quart, 66. Address: Dept. of Sociology, University of Iowa, Iowa City, Iowa 52240.
- SPIVA, DR. GEORGE ANTHONY, JR, b. Joplin, Mo, Jan. 11, 28; m. 50; c. 3. ECONOMICS. B.S., Missouri, 50, M.A., 51; fel, Texas, 53-56, Ph.D.(econ), 58. Instr. corp. finance, Missouri, 50-52; econ, West. Mil. Acad, 52-53; finance, Texas, 57-58; asst. prof, ECON, Tennessee, 58-59; vis. prof, Cadiz Mada, Jogjakarta, 59-61; assoc. prof, Tennessee, 61-65; vis. prof, Agrarian Univ, Peru, 65-67; ASSOC. PROF, TENNESSEE, 67- U.S.N., 45-47. Econ. Asn. Economic development and planning. Address: 3701 Maloney Rd, Knoxville, Tenn. 37920.
- SPIVACK, DR. GEORGE, b. New York, N.Y., May 16, 27; m. 51; c. 2. PSYCHOLOGY. B.A., Hunter Col, 49; M.A., Columbia, 50; Ph.D.(psychol), Pennsylvania, 54. Trainee clin. psychol, Vet. Admin, 50-54; psychol. coordinator, Devereux Schs, 54-57; dir. psychol. res, Devereux Found. Inst. Res. & Training, 57-67; DIR. RES. & EVAL. SERVS, COMMUNITY MENT. HEALTH CENTER & RES. ASSOC. PROF. PSYCHIAT, HAHNEMANN MED. COL, 67- Lectr, grad. sch. ed, Pennsylvania, 67- Consult, family schizophrenia proj, Phila. Psychiat. Hosp, 59- Dipl, Am. Bd. Exam. Prfnl. Psychol, 59. U.S.N., 45-46. Psychol. Asn. Personality development and individual differences; effects of brain damage in children; nature of ego mechanisms and intellectual functioning. Publ: Experience of time as a determinant of self control, Arch. Gen. Psychiat; Child-rearing attitudes of emotionally disturbed adolescents, J. Consult. Psychol; Perceptual processes, In: Handbook in mental deficiency. Address: Research & Evaluation Services, Community Mental Health Center, Hotel Philadelphia, 314 N. Broad St, Philadelphia, Pa. 19102.
- SPIVACK, MAYER DAVID, b. Cambridge, Mass, Dec. 29, 38; m. 59. CITY PLANNING, ENVIRONMENTAL ANALYSIS. Boston, 54-55; Harvard, 60-61; M.C.P., Mass. Inst. Tech, 64. Res. & design engr, gyro res. group, instrumentation lab, Mass. Inst. Tech, 59-62; assoc. dir. phys. planning res. for ment. health center planning, Med. Found, Inc, Boston, 64-66; DIR. ENVIRON. ANAL. & DESIGN, LAB. COMMUNITY PSYCHIAT, HARVARD MED. SCH, 66- Consult, exp. city proj, Univ. Minnesota, Minneapolis, 66; Mass. Dept. Ment. Health & Springfield Ment. Health Center, 67. Nat. Inst. Ment. Health Archt. Consult. Sect. official rep, meetings, Am. Psychiat. Asn, Am. Orthopsychiat. Asn. & researchers & socio-phys. environ. confs, Am. Inst. Architects, 67. AAAS. Influence of physical environment upon individual psychological and social behavior. Publ: Sensory distortions in tunnels and corridors, Hosp. & Community Psychiat, 1/67; Some psychological implications of mental health center architecture, (in press); co-auth, Mental health facilities: a model for physical planning. Address: 58 Fenwood Rd, Boston, Mass. 02115.
- SPIVACK, DR. S(YDNEY) S(HEPHERD), b. Boston, Mass, Dec. 13, 07; m. 56; c. 3. SOCIAL PSYCHOLOGY, SOCIOLOGY. M.A., Columbia, 53, Ph.D., 59. Exec. asst. broadcasting, Columbia Broadcasting Syst, N.Y., 37-41; philanthrop, John Hay Whitney Found, 46-48; v.pres. & gen. mgr. pub. Interior Design Pub. Co, 48-50; asst. bur. appl. soc. res, Columbia, 53-55, res. assoc, 55-63; LECTR. SOCIOL. & RES. SOCIOLOGIST, PRINCETON, 63- U.S.A.A.F., 41-46, Res, 46-, Lt. Col. Fel. Sociol. Asn; Psychol. Asn; Soc. Appl. Anthropol; Soc. Study Soc. Probs. Sociology of medical practice, religion and art; comparative analysis of career patterns of Negro and white college graduates. Publ: Impact of religion on medical behavior; co-auth, Observations on organized social research in the United States, J. Int. Soc. Sci; auth, Doctor's role in family planning, J. Am. Med. Asn, 4/64. Address: Far Hills, N.J. 07931.
- SPIVEY, DR. JAMES E(DWARD), b. Pensacola, Fla, Apr. 22, 35; m. 65. EXPERIMENTAL PSYCHOLOGY. B.A., Hardin-Simmons, 60; univ. fel. & Nat. Sci. Found. fel, Texas, Austin, 62-63, Ph.D.(exp. psychol), 64. Nat. Inst. Ment. Health fel. EXP. PSYCHOL, Texas, Austin, 64-65; ASST. PROF, KENTUCKY, 65-, univ. faculty summer res. fcls, 66 & 67. Univ. Kentucky Faculty Res. Fund grants, 65-68; Res. Equipment Fund grant, 66-67; Nat. Inst. Health res. grant, 66-67. AAAS; Psychol. Asn; Psychonomic Soc. Learning; motivation; systematic psychology. Publ: Co-auth, Effect of goal-box similarity on the after-effect of nonreinforcement and resistance to extinction, 63 & auth, Resistance to extinction as a function of number of N-R transitions and percentage of reinforcement, 67, J. Exp. Psychol; co-auth, Extinction performance as a function of R-R transitions with abbreviated training, Psychonomic Sci, 67. Address: Dept. of Psychology, University of Kentucky, Lexington, Ky. 40506.
- SPLAWN, DR. ROBERT E, b. Frederick, Okla, Oct. 22, 28; m. 50; c. 2. PSYCHOLOGY, EDUCATIONAL ADMINISTRATION. B.S., Oklahoma Baptist, 55; Ed.M., Midwestern, 58; Ed.D.(guid. sch. admin), Oklahoma, 66. Teacher, high sch, Okla, 54-58, prin, 58-62, supt. of pub. schs, 62-66; asst. prof. ED. & PSYCHOL, WEST TEXAS STATE, 66-67, ASSOC. PROF, 67- Consult, Panhandle Ed. Serv. Orgn, 66- U.S.A.F., 50-53, S/Sgt. Attitudes of the members of local boards of education; devising and standardizing an instrument to be used on a nation-wide basis. Publ: Co-auth, Administering the nongraded school, West Texas Univ, 67; auth, The parent and school discipline, Tex. Parent Teacher, 5/67; The school board and school discipline, Okla. Teacher, 9/67. Address: Dept. of Education & Psychology, West Texas State University, Canyon, Tex. 79015.
- SPOEHR, PROF. ALEXANDER, b. Tucson, Ariz, Aug. 23, 13; m. 41; c. 2. ANTHROPOLOGY. A.B., Chicago, 34, Ph.D.(anthropol), 40; hon. D.Sc., Hawaii, 59. Archaeol. field worker, Field Mus. Nat. Hist. Colo, 37-38, asst. curator N.Am. ethnol. & archaeol, 40-44, Chicago Nat. Hist. Mus, 44-46, curator oceanic ethnol, 46-53, ethnol. field worker, Marshall Islands, 47; Palau Islands, 49-50; prof. anthrop, Yale, 53-61; chancellor, East-West Center; Hawaii, 62-63; UNIV. PROF. ANTHROP, PITTSBURGH, 64- Ethnol. field worker, Chicago, 38-39; Guggenheim fel, 52, dir, Bernice P. Bishop Mus, 53-61; U.S. Cmmr, S.Pac. Cmm, 57-61. Chmn, Pac. Sci. Bd, Nat. Acad. Sci, 58-61; mem, adv. cmt. govt. progs. behav. sci, Nat. Res. Coun, 65-; adv. cmt. soc. sci, Nat. Sci. Found, 67- AAAS (v.pres. sect. H, 67); Anthropol. Asn.(pres, 65); Ethnol. Soc; Soc. Am. Archaeol. American Indian and Pacific ethnology and archaeology. Address: Dept. of Anthropology, University of Pittsburgh, Pittsburgh, Pa. 15213.
- SPOLSKY, DR. BERNARD J, Ling, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- SPONSLER, DR. GEORGE C(URTIS), III, Eng. Physics, see 11th ed, Phys. & Biol. Vols.
- SPORES, DR. RONALD, b. Eugene, Ore, Jan. 25, 31; m. 59; c. 2. ANTHROPOLOGY. B.S., Oregon, 53; M.A., Univ. of the Americas, 60; A.M., Harvard, 63, Ph.D.(anthropol), 64. ASST. PROF. ANTHROP, Massachusetts, 64-65; VANDERBILT, 65- U.S.A., 53-55. Fel. Anthropol. Asn; Latin Am. Studies Asn. Archaeology and culture history of Mexico; ethnology. Publ: The Mixtec and Zapotec at Spanish contact, In: Handbook of Middle American Indians, 65; The Mixtec kings and their people, Univ. Oklahoma, 67. Address: Dept. of Anthropology, Vanderbilt University, Nashville, Tenn. 37203.
- SPOTKOV, DR. ELIAS MORLENN, Biol, see 11th ed, Phys. & Biol. Vols.
- SPRADLIN, DR. BOBBY C, Oper. Res, Math, see 11th ed, Phys. & Biol. Vols.
- SPRADLIN, DR. JOSEPH E(DWARD), b. Bloom, Kans, July 12, 29; m. 48; c. 2. PSYCHOLOGY. A.B., Kansas, 51; M.S., Ft. Hays Kans. State Col, 54; Ment. Deficiency fel, George Peabody Col, 56-58, Ph.D., 59. Clin. psychologist, Winfield State Training Sch, 54-56; res. assoc, PARSONS RES. PROJ, 58-59, FIELD DIR, 59- Psychol. Asn; Asn. Ment. Deficiency. Communication. Publ: Language and communication, In: Handbook of mental deficiency. Address: 1612 Morgan, Parsons, Kans. 67357.

SPRADLIN, PROF. WILFORD WAYNE, b. Bedford Co, Va, Oct. 4, 32; m. 58; c. 2. **PSYCHIATRY**. B.A. Virginia, 53, M.D., 57. Staff psychiatrist, Vet. Admin. Hosp, Durham, N.C., 62, asst. chief psychiat, 63-64; assoc. med. center, Duke, 62-63, asst. prof., 64-67, chief psychiatrist, day unit & asst. head inpatient serv., 65-67; **PROF. PSYCHIAT. & CHMN. DEPT.** sch. med, WEST VIRGINIA, 67- AAAS; Psychiat. Assn. Techniques in teaching behavioral science. Publ: Drama as an adjunct to teaching human behavior, 4/66 & Family roles of the elderly as a focus in teaching comprehensive medicine, 11/67, J. Med. Ed; Day therapy, an indication of changing attitudes in psychiatry, N.C. J. Ment. Health, winter 66. Address: Dept. of Psychiatry, West Virginia University School of Medicine, Morgantown, W.Va. 26506.

SPRAGENS, DR. WILLIAM C(LARK), b. Lebanon, Ky, Oct. 1, 25; m. 64. **POLITICAL SCIENCE**. A.B. Kentucky, 47, M.A., 53; Falk fel. Mich. State, 60-61, Mich. Legis. intern, 61, Ph.D.(polit. sci), 66. Copy ed. & court reporter, Journal Herald, Dayton, Ohio, 55-58; tel. ed, Journal-Gazette, Ft. Wayne, Ind, 58-60; asst. **POLIT. SCI.** Mich. State, 61-62, asst. instr., 64-65; instr., Tennessee, 62-64; **ASST. PROF.** Millikin, 65-67; **WIS. STATE, OSHKOSH**, 67- Consult, Mich. Democratic Party Candidates for Legis., 64. A.U.S. 43-45. **Polit. Sci. Assn; Acad. Polit. Sci.** Public opinion; political parties and elections; methodology and political behavior; state and local government; American government and politics. Publ: Press coverage of congressional campaigns, Univ. Microfilms, 66; Civil rights activists and abolitionists: a comparative study of interest group tactics, J. Negro Hist, 10/68. Address: Dept. of Political Science, Wisconsin State University, Oshkosh, Wis. 54901.

SPRAGG, DEAN S(IDNEY) D(URWARD) SHIRLEY, b. North Battleford, Sask, June 18, 09; nat; m. 36; c. 2. **PSYCHOLOGY**. B.A. Washington (Seattle), 31, M.S., 32; Ph.D.(psychol), Yale, 35. Asst. comp. psychobiol. sch. med, Yale, 33-35, asst. labs. primate biol, 35-37; instr. **PSYCHOL.** Barnard Col, Columbia, 37-40; instr. & asst. prof., Queens Col.(N.Y.), 40-46; asst. prof., **ROCHESTER**, 46-48, assoc. prof., 48-52, **PROF.**, 52-, **DEAN GRAD. STUDIES**, 57-, chmn. dept., 60-67. Fulbright lectr., Tech. Univ. Germany, 55-56. Mem. grad. fel. cmt, Inst. Int. Ed, 63; grad. dean's exec. cmt, Afro-Am. Inst, 63-; secy-treas, Assn. Grad. Schs., 63-67; bd. dirs, Ed. Projs, Inc., 66- Fel. AAAS; fel. Psychol. Assn. Applied experimental psychology; perceptual motor learning; graduate and international education; perceptual-motor factors in tracking performance. Address: Administration Bldg, University of Rochester, Rochester, N.Y. 14627.

SPRAGUE, DR. GORDON WADSWORTH, b. Madelia, Minn, Aug. 31, 96; m. 20; c. 3. **AGRICULTURAL ECONOMICS**. B.A. Minnesota, 26, M.S., 28, Ph.D. (agr), 41. With U.S. Dept. Agr., 28-42; War Food Admin, 42-45; West. Condensing Co., 45-55; economist, Land O'Lakes Creameries, Inc., 55-68; **RETIRED**. U.S.N., 17-19. Agr. Econ. Assn; Mkt. Assn. Marketing; production analyses; price analysis. Publ: Economic survey of the live-poultry industry in New York City; Butter price quotations at Chicago; Marketing Maine potatoes in Maine and in Boston. Address: R.D. 1, Backus, Minn. 56435.

SPRAGUE, DR. RALPH HERBERT, JR., b. Chicago, Ill, Oct. 1, 38; m; c. 2. **QUANTITATIVE ANALYSIS, STATISTICS**. B.S. Anderson Col.(Ind), 60; M.B.A. Indiana, 62, D.B.A.(quant. bus. anal), 64. Asst. prof. bus. & econ, Anderson Col.(Ind), 64-67, dir. comput. center, 65-67; **ASST. PROF. SYSTS. MGT.** MARYLAND, 67- Summers, comput. systs. coordinator, Aerospace Res. Applications Center, 63, asst. to dir., 64, 65 & res. consult, 66. Assn. Comput. Mach. Computer models for financial planning. Publ: A comparison of systems for selectively disseminating information, Indiana Univ., 65. Address: Information Systems Management, University of Maryland College of Business & Public Administration, College Park, Md. 20742.

SPRAGUE, DR. ROBERT L(EE), b. Clinton, Ill, Oct. 6, 30; m. 51. **PSYCHOLOGY**. B.A. Anderson Col, 55; M.A. Indiana, 58, Ph.D.(clin. psychol), 60. Clin. psychol. trainee, Vet. Admin. Hosp, 58-60; instr. psychol, Anderson Col, 59-60; psychologist, Muscatatuck State Sch, 60-61, chief psychologist, 61-63; asst. prof. **PSYCHOL.** Northern Illinois, 63-64; **ILLINOIS, CHAMPAIGN**, 64-67, **ASSOC. PROF.**, 67-, **RES. PSYCHOLOGIST**, 64- Lectr., Indiana, 61-, clin. psychol. trainee, Riley Child Guid. Clin, 58-59. Consult, Dixon State Sch, Ill, 64-; Bartholomew Co. Ment. Health Clin, Ind, 67- AAAS; Psychol. Assn; Assn. Ment. Deficiency. Psychopharmacology of children; hyperactivity in children; learning of the mentally retarded. Publ: Co-auth. A factor analytic study of the responses of mental retardates in the WAIS, Am. J. Ment. Deficiency, 70:595-600; Relationship between activity level and delay of reinforcement, J. Exp. Child. Psychol, 3:390-397; Hyperactivity, In: Symptoms of psychopathology, Wiley. Address: Children's Research Center, University of Illinois, Champaign, Ill. 61820.

SPRAGUE, DR. RODERICK, b. Albany, Ore, Feb. 18, 33; m. 55; c. 2. **ANTHROPOLOGY**. B.A. Washington State, 55, M.A., 59; Ph.D.(anthrop), Arizona, 67. Asst. Washington State, 58-59, lab. asst, 59-60, staff archaeologist, 64-67; asst. Arizona, 60-62, 63-64, mus. asst. 62-63; **ASST. PROF. ANTHROP.** IDAHO, 67- Summers, instr. field methods, Washington State, 65-67. U.S.A., 56-58. Soc. Hist. Archaeol; fel. Anthropol. Soc; Soc. Am. Archaeol; Ethnol. Soc. Salvage and historical archaeology; culture change and acculturation; glass trade beads; cleaning and preservation of metallic artifacts; burial terminology and classification; burial pattern change in the plateau region; ethnohistory of plateau Indian groups; Northwest anthropology. Publ: Co-auth. Disposal of the dead at Point of Pines, Arizona, 65 & auth. A suggested typology and nomenclature for burial analysis, 68, Am. Antiquity; A preliminary bibliography of Washington archaeology, Northwest Anthropol. Res. Notes, 67. Address: Dept. of Anthropology, University of Idaho, Moscow, Idaho 83843.

SPRATLEN, PROF. THADDEUS H(AYES), b. Union City, Tenn, May 28, 30; m. 52; c. 5. **ECONOMICS, BUSINESS ADMINISTRATION**. B.S. Ohio State, 56, M.A., 57, John Hay Whitney fel, 58-59, Ph.D., 62. Statistician labor. econ, Ohio Bur. Unemployment, Compensation, 58-59; asst. bus. res, Ohio State, 59-61; instr. **ECON.** WEST. WASH. STATE COL, 61-62, asst. prof., 62-65, **ASSOC. PROF.**, 66- Vis. res. assoc. sch. bus. admin, California, Berkeley, 67-68; Found. Econ. Ed. summer fel, 64. Mem. Inter-Am. Statist. Inst, 58. U.S.A., 48-54, 1st Lt. Econ. Assn; Mkt. Assn; Statist. Assn. Marketing and

public policy; business and its environment; business behavior and performance; economics of higher education. Publ: The business environment, Best's Ins. News, life ed, 3/66; Ethical practice is good business practice, Mod. Nursing Home Adminstr, 5-6/67; co-auth. A regional impact model for measuring the flow of funds and income effect generated by institutions of higher learning: Ann. West. Regional Sci. Assn, 1/68. Address: Dept. of Economics & Business, Western Washington State College, Bellingham, Wash. 98225.

SPRATT, PROF. J(OHN) S(TRICKLIN), b. Pecos, Tex, July 5, 02; m. 26; c. 2. **ECONOMICS**. A.B. & M.A. Texas, 28, Carnegie fel, 50-51, Ph.D.(econ), 53. Head dept. soc. sci, San Angelo Col, 28-43; from assoc. prof. to **PROF.** **ECON.** SOUTHERN METHODIST, 46-, **DIR. UNDERGRAD. STUDIES ECON**, 58- Adj. prof., N.Texas State Col, 30-31; instr., Texas, 48-49; Continental Oil Co. res. grant, 67-68. Econ. Assn; Econ. Hist. Assn; Hist. Assn. Economic history; development of Texas and the Southwest; development of petroleum industry; economic problems in cotton production. Publ: Road to Spindletop, economic change in Texas, 1875-1901; Paradox of progress, spring 65 & Whispering America, summer 66, Southeast Rev. Address: 5314 Ridgedale Ave, Dallas, Tex. 75206.

SPRAY, DR. SHERRAD L., b. La Grande, Ore, Oct. 7, 35; m. 61; c. 2. **SOCIOLOGY**. B.S. Oregon, 58, Ford Found. fel, 61-62, Ph.D.(sociol), 62. Asst. prof. sociol, La. State, 62-64; **RES. ASSOC. HUMAN DEVELOP.** & **ASST. PROF.** CHICAGO, 64- Sociol. Assn; Soc. Appl. Anthropol. Mental health; professions; complex organizations. Publ: The cocktail lounge: a study of heterosexual relations in a public organization, Am. J. Sociol, 1/67; Mental health professions and the division of labor in a metropolitan community, Psychiatry, 2/68; Mental health professionals in Chicago: observations on origins and practice, In: Research in psychotherapy, Vol. III, Am. Psychol. Assn, 68. Address: Committee on Human Development, University of Chicago, 5835 S. Kimbark Ave, Chicago, Ill. 60637.

SPRECHER, DR. THOMAS B(ARTON), b. Pomona, Calif, Jan. 29, 27; m. 52; c. 2. **PSYCHOLOGY**. B.A. Denison, 52; M.A. Maryland, 56, Ph.D.(counseling psychol), 57. Instr. psychol. & counsr, Maryland, 56-57; consult. psychologist, Psychol. Serv., Pittsburgh, Pa, 57-60; staff psychologist, Psychol. Corp, N.Y., 60; indust. psychologist, eng. res. center, West. Elec. Co, N.J., 61-65; staff psychologist, Ed. Testing Serv, N.J., 65-66; **DIR. KETTERING PROJ.** RENSSELAER POLYTECH, 66- U.S.A., 45-46. Psychol. Assn. Organized problem solving through the identification of the various meanings of scientific creativity; selection and training appropriate to these meanings; development of information input and retrieval systems for scientific knowledge. Publ: Proposal for identifying the meaning of creativity; Study of engineers criteria for creativity, J. Appl. Psychol; Thesaurus of psychological techniques and variables, Psychol. Record. Address: 8 Hamilton Ave, Hopewell, N.J. 08525.

SPREEN, PROF. OTFRIED, b. Bochum, Germany, Nov. 7, 26; U.S. citizen; m. 58; c. 4. **PSYCHOLOGY**. B.A. Bonn, 48; M.A. Freiburg, 50, Ph.D.(psychol), 52. Clin. psychologist, Vet. Hosp, Bad Pyrmont, Germany, 52-55; Psychiat. & Neurol. Hosp, Bremen, 55-57 & 58-59; Fulbright fel. med. psychol, Washington (St. Louis), 57-58; instr. psychol, Saarlandes, 59-62; asst. prof. neurol. & psychol, Iowa, 62-66; assoc. prof. **PSYCHOL.** VICTORIA (B.C.), 66-67, **PROF.**, 67- Consult, Woodward State Hosp, Iowa, 62-66. Am. Psychol. Assn; Assn. Ment. Deficiency; Acad. Neurol; Acad. Aphasia (secy, 67-); German Soc. Psychol. Neuropsychology; psycholinguistics; perception; mental deficiency. Publ: Comparative studies of some psychological tests for cerebral damage, J. Nerv. & Ment. Diseases, 65; Parameters of abstraction, meaningfulness and pronunciability for 329 words, J. Verbal Learning & Verbal Behav, 66; Wechsler-test patterns and mental deficiency diagnosis in siblings and non-siblings, Am. J. Ment. Deficiency, 67. Address: Dept. of Psychology, University of Victoria, Victoria, B.C. Can.

SPREEN, WILLIAM C(HARLES), Statist, Meteorol, see Suppl. V to 11th ed, Phys. & Biol. Vols.

SPRENGEL, DR. DONALD P(HILIP), b. Chicago, Ill, Aug. 5, 38; m. 64; c. 1. **POLITICAL SCIENCE**. B.A. Loyola (Ill), 60; M.A., St. Louis, 62; Ph.D.(polit. sci), North Carolina, 66. Legis. intern **POLIT. SCI.** Univ. Kansas, 62-63; **ASST. PROF. & RES. ASSOC. INST. PUB. AFFAIRS, IOWA**, 65- **Polit. Sci. Assn; Nat. Munic. League.** State legislative-executive relations; gubernatorial staffs; political behavior of governors. Address: Institute of Public Affairs, University of Iowa, Iowa City, Iowa 52240.

SPRENKLE, DR. CASE M., b. Cleveland, Ohio, Aug. 18, 34; m. 57; c. 3. **ECONOMICS**. B.A. Colorado, 56; univ. fels, Yale, 56-58, M.A., 57, Ford Found. fel, 58-59, Ph.D.(econ), 60. Instr. **ECON.** Yale, 59-60; asst. prof., **ILLINOIS, URBANA**, 60-64, **ASSOC. PROF.**, 64- Econ. Assn. Monetary theory; fiscal policy; aggregative theory; risk theory; theory and measurement of expectations; demand for money by large economic units. Publ: Warrant prices as indicators of expectations and preferences, Yale Econ. Essays; Large economic units, banks, and the transactions demand for money, Quart. J. Econ, 8/66; Is the precautionary demand for money negative?, J. Finance, 3/67. Address: 1913 Harding Dr, Urbana, Ill. 61801.

SPIESTERSBACH, DR. DUANE CARYL, b. Pine Island, Minn, Sept. 5, 16; m. 46; c. 2. **SPEECH PATHOLOGY**. B.Ed. Winona State Teachers Col, 39; M.A. Iowa, 40, Ph.D.(speech path), 48. **PROF. SPEECH PATH.** IOWA, 48-, **DEAN GRAD. COL.**, 65-, **V.PRES. RES.**, 66- Mem. speech & hearing progrs. rev. panel, U.S. Off. Ed, 66-68; cmt. res. & res. admin, Assn. Grad. Schs, Assn. Am. Univa, 66-; dent. training cmt, Nat. Inst. Dent. Res, 67-71. Secy-gen, Int. Cong. Cleft Palate, 66-69. Speech & Hearing Assn.(v.pres, 61, pres, 65); Cleft Palate Assn.(secy-treas, 57-60, pres, 61-62). Psychosocial and physical management aspects of the cleft palate problem. Publ: Co-auth. Diagnostic methods in speech pathology, Harper, 63, in Japanese, Kyodo Isha Shuppan, 7/65; auth. Speech problems of patients with cleft lips and palates, In: Reconstructive plastic surgery, Saunders, 64; co-ed, Cleft palate and communication, Academic, 68. Address: Graduate College, University of Iowa, Iowa City, Iowa 52240.

SPRIGG, PROF. LOUIS R(IVERS), Polit. Sci., see 10th ed, Soc. & Behav. Vols., deceased 62.

SPRIGGS, PROF. D(ARRELL) L(EONARD), b. Fairfield, Ill., Nov. 13, 17. ECONOMICS. B.S. Illinois, 40, M.S., 47, Ph.D., 50. Asst. Illinois, 47-49; from asst. prof. to PROF. ECON. ARKANSAS, 49- Econ. Asn. Labor economics; general theory of labor economics. Address: Dept. of Economics, University of Arkansas, Fayetteville, Ark. 72701.

SPRINCE, DR. HERBERT, Biochem., see 11th ed, Phys. & Biol. Vols.

SPRINGBORN, DR. BRUCE A(LAN), b. Geneva, Ill., Nov. 21, 36; m. 64. INDUSTRIAL PSYCHOLOGY. A.B., Northwestern, 58; M.A., Michigan, 59, Ph.D. (psychol.), 63. PROG. COORDINATOR, GEN. MOTORS INST., 62- AAAS; Psychol. Asn; Indust. Rels. Res. Asn. Management manpower planning and development; selection and appraisal of executive talent; attitude and organization surveys. Publ.: Is perfect prediction a desirable goal?, Indust. Psychologist, 11/65. Address: 3186 W. Longlake Rd, Orchard Lake, Mich. 48033.

SPRINGER, DR. JOHN Y(OUNG), b. Zamboanga, Philippines, Oct. 3, 06; m. 42. ECONOMICS. A.B., Stanford, 27, M.B.A., 29, Ph.D. (econ), 42. Res. analyst, Nat. Investors Corp., N.Y., 29-30; instr., Stanford, 30-36; asst. prof., Duke, 36-42, assoc. prof., 46-47; asst. dir. res., Hawaii Employers Coun., 47-50; assoc. soc. scientist, RAND CORP., 50-56, exec. asst., COST ANAL. DEPT., 57-60, assoc. head, 60-61, COST ENGR., 62- U.S.N.R., 42-45, Res., 45-, Capt. Econ. Asn; Statist. Asn. Operations and cost analysis; statistics. Address: Rand Corp., 1700 Main St, Santa Monica, Calif. 90406.

SPRINGER, DR. KAYLA J(AFFE), b. New York, N.Y., Oct. 23, 29; m. 56; c. 3. CLINICAL PSYCHOLOGY. A.B., Radcliffe Col., 51; A.M., Clark, 52, Ph.D., 59; fel., Judge Baker Child Guid. Clin., 54-55. Asst. psychol. clin., Harvard, 50, 52; psychol. trainee, Vet. Admin. Hosps. & Clins., 52-54, 55-57; instr. psychol. res., dept. psychiat., CINCINNATI GEN. HOSP. UNIV. CINCINNATI, 59-63, ASST. PROF. PSYCHOL. DEPTS. PSYCHIAT. & PSYCHOL., 63- Genetic studies of perception, particularly with regard to organic pathology; objectification of verbal behavior; content analysis; creativity. Publ.: Co-auth, Anxiety scale applicable to verbal samples, 5: 593-605 & Environmental factors affecting functional creativity in gifted children, 5: 554-564, Am. Med. Asn. Arch. Gen. Psychiat.; Experiments with a method of assessing the variations in intensity of certain psychologic states occurring during the psychotherapeutic interview, In: Comparative psycholinguistic analysis of two psychotherapeutic interviews, Int. Univs., 63. Address: 3280 Observatory Ave, Cincinnati, Ohio 45208.

SPRINGER, DR. N(ATHANIEL) NORTON, Psychol., see 10th ed, Soc. & Behav. Vols., deceased 62.

SPRINGFIELD, DR. FRANKLYN BRUCE, b. New York, N.Y., June 6, 33. PSYCHOLOGY. B.A., New Sch. Soc. Res., 55; M.S., City Col. New York, 56; fel., N.Y. Univ., 58, Ph.D., 60. Psychol. intern., N.J. Neuro-Psychiat. Inst., 56-57; clin. psychologist, N.J. State Prison, 57-58; Arthur Brisbane Child Treatment Center, 58-59; prin. clin. psychologist, Essex County Guid. Center, 59-62; dir. dept. psychol., New York Psychiat. Center, 60- Instr., N.Y. Univ., 59-60; assoc. prof., Long Island, 66-67; dir. dept. child guid., Livingston Pub. Schs., 62-63. Private practice, 57-; consult., Am. Mgt. Psychologists, Inc., 66-68. Psychol. Asn; World Fedn. Ment. Health; fel. Int. Coun. Psychol. Psychoanalysis and psychotherapy; concept formation. Publ.: Concept of father and ideal self in a group of criminals and non-criminals; co-auth, Intensive treatment program for chronic psychiatric patients & Phones, phonies and psychologist. Address: 120 W. 58th St, New York, N.Y. 10019.

SPRINKEL, DR. BERYL W(AYNE), b. Richmond, Mo., Nov. 20, 23; m. 47; c. 3. FINANCE, ECONOMICS. B.S., Missouri, 47; univ. fel., Chicago, 49-50, Becker fel., 51-52, M.B.A., 48, Ph.D. (finance & econ), 52. Instr. finance & econ, Missouri, 48-49; lectr., Chicago, 50-51, instr., 51-52; ECONOMIST, HARRIS TRUST & SAVINGS BANK, 52-, V. PRES., 60-, DIR. RES., 63- Lectr., Chicago, 52- Consult., Fed. Reserve Bank, 55-59; Joint Econ. Cmn., 58 & 62; U.S. Bur. Census, 62- Alumni citation award, Chicago, 64. U.S.A., 43-45. Econ. Asn; Statist. Asn; Asn. Bus. Econ. Commercial and central banking; United States investment markets; business cycles. Publ.: Money and stock prices, Irwin, 64; Monetary growth as a cyclical predictor, J. Finance; co-auth, Effects of capital gains taxes on investment decisions, J. Bus. Address: 1429 Bunker Ave, Flossmoor, Ill. 60422.

SPRINKLE, DR. R(ONALD) LEO, b. Rocky Ford, Colo., Aug. 31, 30; m. 52; c. 4. PSYCHOLOGY, COUNSELING. B.A., Colorado, 52, M.P.S., 56, Ph.D. (counseling, guid), Missouri, 61. Counsr., Stephens Col., 56-59, acting dir. extra class activities, 59-61; asst. prof. psychol., North Dakota, 61-64, asst. dir. counseling center, 62-63, dir., 63-64; assoc. prof. guid., WYOMING, 64-65, asst. prof. PSYCHOL., 65-67, ASSOC. PROF., 67-, COUNSR., 65- Soc. Psychol. Study Soc. Issues study grant, 62. Consult., Aerial Phenomena Res. Orgn., 65- U.S.A., 52-54. AAAS; Parapsychol. Asn; Psychol. Asn; Personnel & Guid. Asn. Counseling process, including the use of hypnotic techniques; relationships of extra-sensory perception and unidentified flying object phenomena, including the investigation of claims of communication with unidentified flying object occupants. Publ.: Measured vocational interests and socio-economic background of college students & Counselor competence and the nature of man, Col. Ed. Record; Psychological implications in the investigation of UFO reports, In: Flying saucer occupants, Signet, 67. Address: Division of Counseling & Testing, University of Wyoming, P.O. Box 3708, Laramie, Wyo. 82070.

SPRINTHALL, DR. RICHARD C(LARK), b. Attleboro, Mass., Sept. 4, 30; m. 56; c. 2. PSYCHOLOGY. A.B., Brown, 52; M.S. & M.A., Boston, 54, Human Rels. Center fel., 55-56, Ph.D., 58. Instr. psychol., AM. INT. COL., 56-58, asst. prof. PSYCHOL., 58-62, ASSOC. PROF., 62-, CHMN. DEPT., 58- Dir., Horace Smith Fund, 57- Psychol. Asn. Social psychology; conformity behavior; learning; statistics and research methodology. Address: Dept. of Psychology, American International College, Springfield, Mass. 01109.

SPRINZEN, DR. HAROLD, Clin. Psychol., see 10th ed, Soc. & Behav. Vols.

SPOUSE, PROF. ROBERT T(HOMAS), b. Fallbrook, Calif., Jan. 11, 22; m. 47; c. 2. BUSINESS ADMINISTRATION, ACCOUNTING. B.A., San Diego State Col., 51; M.B.A., Minnesota, 52, Ph.D. (bus. admin), 56. Instr. acct., Minnesota, 52-55; asst. prof. bus. admin., California, Berkeley, 55-61, assoc. prof. bus. admin. & admissions officer, 61-63; lectr. bus. admin., Harvard, 63-65; PROF. ACCT., GRAD. SCH. BUS., STANFORD, 65- Vis. lectr. grad. sch. bus. admin., Harvard, 62-63. Consult., Stanford Res. Inst., 57-58; res. consult., Am. Inst. Cert. Pub. Acct., 60-62. U.S.A., 42-49, 1st Lt. Econ. Asn; Am. Acct. Asn. Theory of value and measurement of income; interaction of legal concepts and statutory provisions and generally accepted accounting principles and practices. Publ.: Significance of the concept of the corporation in accounting analyses, Acct. Rev.; Tentative set of broad accounting principles, In: Accounting flows: income, funds, and cash, Prentice-Hall, 65; Tentative set of broad accounting principles. Address: Graduate School of Business: Stanford University, Stanford, Calif. 94305.

SPOUT, PROF. HAROLD, b. Benzonza, Mich., Mar. 14, 01; m. 24; c. 2. POLITICAL SCIENCE. A.B. & A.M., Oberlin Col., 24; Western Reserve, 25-26; Carnegie fel., Wisconsin, 28-29, Ph.D., 29. Asst. prof. govt., Miami (Ohio), 26-27; acting asst. prof. polit. sci., Stanford, 29-31; instr. polit., PRINCETON, 31-35, asst. prof., 35-41, assoc. prof., 41-45, prof., 45-52, chmn. dept., 49-52, HENRY GRIER BRYANT PROF. GEOG. & INT. RELS., 52- Lectr., Army War Col., 37-38; Soc. Sci. Res. Coun. res. grants, 37-38 & 62-63; Penfield Found. grant, Pennsylvania, 40-41; Am. Philos. Soc. grant, 41-42; lectr., Nat. War Col., 47; vis. prof., Columbia, 48-50; Rockefeller Found. grant, 54-59; lectr., Naval War Col., 56; McCosh faculty res. fel., Princeton, 67-68. Summers, vis. prof., Pennsylvania, 38, Denver, 50. Consult., Off. War Info., 43; U.S. War Dept., 43; U.S. Dept. State, 44; U.S. Dept. Navy, 44-47. Mem. Coun. For. Rels., 43-; Naval Hist. Found., 47- Polit. Sci. Asn; Int. Studies Asn. International politics; political geography; British foreign policy; naval history. Publ.: Co-auth, Rise of American naval power, 39 & 66 & The ecological perspective on human affairs, 65, Princeton; Foundations of international politics, Van Nostrand, 62. Address: Center of International Studies, 101 Corwin Hall, Princeton University, Princeton, N.J. 08540.

SPROWLS, PROF. R(ILEY) CLAY, b. Medina, N.Y., July 22, 21; m. 50; c. 2. STATISTICS. Ph.D. (statist.), Chicago, 51. Instr. statist., Chicago, 49-51; from asst. prof. statist. to PROF. BUS. STATIST., CALIFORNIA, LOS ANGELES, 51- U.S.A., 43-46. Statist. Asn. Business statistics; electronic computers. Publ.: Elementary statistics; Statistical decisions by the method of minimum risk, an application, J. Am. Statist. Asn; Historical analysis of lottery terms, Can. J. Econ. & Polit. Sci. Address: Graduate School of Business Administration, University of California, 405 Hilgard Ave, Los Angeles, Calif. 90024.

SPRUILL, PROF. ALBERT W., b. Columbia, N.C., Aug. 5, 26; m. 56; c. 3. EDUCATION. B.S., A&T State, 49; M.S., Iowa State, 51; Ed.D. (agr. ed), Cornell, 58. County agent exten. ed., Jones County, N.C., 49-50; dir. div. agr. Miss., Voe. Col., 51-52; teacher trained agr. ed., Tuskegee Inst., 52-53; instr. grad. ed., A&T STATE, 55-56, asst. prof., 56-58, assoc. prof., 58-59, PROF., 59-61, ED., 61- Asn. Higher Ed. Rural education; public school desegregation; college culture; philosophy of education, especially higher education. Publ.: Great recollections from Aggield, Whitehead Printing, 64. Address: 806 Bellaire St, Greensboro, N.C. 27406.

SPRUILL, PROF. C(ORYDON) P(ERRY), b. Feb. 5, 99; m. 22. ECONOMICS. A.B., North Carolina, 20; B.Litt., Oxford, 22. Asst. prof. ECON., NORTH CAROLINA, 22-26, assoc. prof., 26-32, prof., 32-61, ALUMNI DISTINGUISHED PROF., 61-, dean gen. col., 36-55, faculty, 55-57. Instr. & tutor, Harvard, 29-30. Econ. Asn; Royal Econ. Soc. Economic history and theory; finances of the state of North Carolina; taxation of inheritances and estates. Address: Dept. of Economics, University of North Carolina, Chapel Hill, N.C. 27514.

SPRUNGER, DR. JAMES A(MSTUTZ), b. Orrville, Ohio, Apr. 28, 17; m. 48. PSYCHOLOGY. B.A., Ohio State, 48, M.A., 49; Ph.D. (psychol.), American Univ., 56. Occup. test technician, State Employ. Serv., Ohio, 50-51; res. psychologist, personnel res. br., Adj. Gen. Off., U.S. Dept. Army, 51-56; human factors scientist, Syst. Develop. Corp., Calif., 56-62; sr. tech. specialist, space & info. sys. div., N.A.M. ROCKWELL CORP., 62-67; MEM. TECH. STAFF, AUTONETICS DIV., ANAHEIM, 67- U.S.A., 41-45, Sgt. AAAS; Psychol. Asn; Human Factors Soc; Inst. Aeronaut. & Astronaut. Delineation and measurement of psychological dimensions involved in individual participation in a group; human factors support for manned space and information systems; personnel sub-system development for medical systems. Publ.: Ability of the individual to contribute to his group, Personnel Psychol. Address: 22245 Kittridge St, Canoga Park, Calif. 91303.

SPRUNGER, PROF. MEREDITH J(USTIN), b. Woodburn, Ind., Apr. 16, 15; m. 40; c. 2. PSYCHOLOGY. B.A., Lakeland Col., 37, B.D., 40; M.Th., Princeton, 41; Ph.D., Purdue, 47. Minister, Trinity United Church of Christ, Mulberry, Ind., 41-49; instr. psychol., Elmhurst Col., 49-50; minister, Grace United Church, Culver, Ind., 51-59; PROF. PSYCHOL. & CHMN. DEPT. LIB. ARTS, IND. INST. TECH., 59- Indust. testing consult. Psychol. Asn; Philos. Soc. Progressive religious and ethical developments. Address: Dept. of Psychology, Indiana Institute of Technology, Ft. Wayne, Ind. 46803.

SPUHLER, PROF. JAMES N(ORMAN), Anthropol., Biol., see 11th ed, Phys. & Biol. Vols.

SPULBER, PROF. N(ICOLAS), b. Brasov, Romania, Jan. 1, 15; m. 52; c. 1. ECONOMICS. M.A., New Sch. Soc. Res., 50, Halle fel., 51, Ph.D., 52. Res. assoc., center int. studies, Mass. Inst. Tech., 52-54; lectr. ECON., INDIANA, 54-55, assoc. prof., 55-61, PROF., 61- Ford Found. res. grant, 62-63; vis. prof., City Col. New York, 63-64. AAAS; Econ. Asn; fel. Royal Econ. Soc. Economic growth and development; national economies, Soviet Union and Eastern Europe. Publ.: Soviet economy; structure, principles and problems, Norton, 62; Soviet strategy for economic growth, Indiana, 64; The state and

economic development in Eastern Europe, Random, 66. Address: Dept. of Economics, Indiana University, Bloomington, Ind. 47401.

SPURLOCK, DR. HOOPER CLYDE, b. Gainesboro, Tenn, Dec. 7, 10; m. 56. AGRICULTURAL ECONOMICS. B.S.A. Tennessee, 35; M.A. Florida, 51, Ph.D. 58. Teacher, high sch, Tenn, 35-50; field asst. res. Florida, 50-55; ASSOC. PROF. AGR. ECON. CLEMSON, 55- Agr. Econ. Assn. Farm management research. Publ: Cost analysis of packing peaches in different type containers for the fresh market, 64, An economic analysis of harvesting, processing and storing coastal Bermuda grass, 66 & co-auth, Factors affecting use of southeastern cotton and competing fibers, 67, S.C. Exp. Sta. Bull. Address: Dept. of Agricultural Economics, Clemson University, Clemson, S.C. 29631.

SPURR, PROF. WILLIAM A.(LFRED), b. Washington, D.C. Dec. 24, 05. BUSINESS STATISTICS. A.B. Harvard, 25, M.B.A. 28; Ph.D. Columbia, 40. Financial statistician, West. Elec. Co, 30-35; from asst. prof. to assoc. prof. statist, Nebraska, 37-41; assoc. prof. Chicago, 46; PROF. BUS. STATIST. STANFORD, 46- Prin. indust. economist, War Prod. Bd, 42. U.S.N. 42-45. Statist. Assn; Econ. Assn; Assn. Bus. Econ. Statistical analysis applied to business; business forecasting. Publ: Co-auth, Business and economic statistics, 54, rev. ed, 61; Statistical analysis for business decisions, Irwin, 67. Address: Graduate School of Business, Stanford University, Stanford, Calif. 94305.

SPURRIER, PROF. LEO, Bus. Admin, see 10th ed, Soc. & Behav. Vols.

SPYCHALSKI, DR. JOHN C, b. Michigan City, Ind, July 6, 39; m. 62; c. 2. TRANSPORTATION ECONOMICS, PUBLIC POLICY. B.S. St. Joseph's Col.(Ind), 61; M.B.A. Indiana, 62, D.B.A. 65. Teaching assoc. transportation econ. sch. bus, Indiana, 62-65; asst. prof. BUS. ADMIN. col. bus. & pub. admin, Maryland, 65-68; ASSOC. PROF. COL. BUS. ADMIN, PA. STATE, 68- Res. assoc. inst. pub. utilities, Mich. State, 67-68. Consult, U.S. Dept. Commerce, 65; various bus. firms & govt. agencies. Econ. Assn. Business logistics; public utility economics and regulation; corporate administration. Publ: Discriminatory taxation of railroad property: Indiana, a case in point, Transportation J, winter 63; Nuclear steam-generation of electricity: its implications for the future of coal transport by railway and waterway, 7/6/67 & A railway agricultural exemption: one step toward greater efficiency in transport?, 11-12/67, Interstate Commerce Cmn. Practitioners' J. Address: Dept. of Business Logistics, College of Business Administration, Pennsylvania State University, University Park, Pa. 16802.

SQUIER, PROF. LESLIE H(AMILTON), Psychol, see 11th ed, Phys. & Biol. Vols.

SRBICH, DR. ALEXANDER L, b. Zajecar, Yugoslavia, Sept. 16, 14; U.S. citizen; m. 61; c. 3. INDUSTRIAL ENGINEERING, BUSINESS ECONOMICS. B.S. Officers Tech. Col. Belgrade, 37; M.A. Cologne, 49; B.S.E. & M.B.A. Michigan, 55; Ph.D.(mgt. & indust. eng), Minnesota, Minneapolis, 61. Asst. prof. Utah, 56-57; lectr, Minnesota, 57-59; ASSOC. PROF. MGT, SAN DIEGO STATE COL, 59- Participant, Managing Training Prog, Kans. & Mich, 56; vis. prof, Waseda Univ, Japan, 61; Philippines, 61; assoc. prof, exten, California, 61-; Ford Found. summer grants, Wisconsin, 65 & N.Y. Univ, 66. Consult, various bus. indus., & insts, 57-; consult. to Philippines & Japan, 57- Yugoslav Army, 37-41, Prisoner of War, Germany, 41-45. Inst. Indust. Eng; Acad. Mgt; Soc. Adv. Mgt; Soc. Tool & Mfg. Eng. International business; applications of management theory on practical industrial problems; productivity in business and industry. Publ: Theory and practice of production control in American industry, Waseda Univ, Tokyo, Japan, 8/61; Application of modern production management techniques to large metropolitan zoo operations, Bur. Bus. & Econ. Res, San Diego, Calif, 10/63. Address: 5129 La Dorna Dr, San Diego, Calif. 92115.

SRIVASTAVA, PROF. HARISHANKAR P, b. Varanasi, India, Jan. 1, 30; m. 49 c. 1. GEOGRAPHY. B.A. Benares Hindu Univ, 48, M.A. 50; Ph.D.(geog). Florida, 61. Lectr. GEOG. D.A.V. Col, Varanasi, 50-58; Madras, 62; instr, Kent State, 62-64; asst. prof, OTTAWA (ONT), 64-65, assoc. prof, 65-67, PROF, 67- Assn. Am. Geog; Can. Assn. Geog; Geog. Soc. India. Political geography; international boundaries; India-China and India-Pakistan boundaries. Address: Dept. of Geography, University of Ottawa, Ottawa 2, Ont, Can.

SRIVASTAVA, PROF. JAGDISH N(ARAIN), Math. Statist, see 11th ed, Phys. & Biol. Vols.

SRIVASTAVA, DR. RAMESH C, b. Mirpur, India, Mar. 21, 35; m. 56; c. 3. STATISTICS. B.Sc. Lucknow, 53, M.Sc. 55; Ph.D.(statist), Mich. State, 65. Asst. prof. STATIST, Lucknow, 56-59; lectr, Benares Hindu Univ, India, 59-61; from asst. to asst. instr, Mich. State, 61-65; ASST. PROF, OHIO STATE, 65- Vis. asst. prof, Stanford, 68. Inst. Math. Statist. Applied probability model and estimation. Address: Dept. of Mathematics, Ohio State University, 231 W. 18th Ave, Columbus, Ohio 43210.

SROGES, DR. RICHARD W, b. Chicago, Ill, Sept. 19, 31; m. 53; c. 1. PSYCHOLOGY. B.S. Roosevelt, 56, M.A. 62; Ph.D.(psychol), Northwestern, 62. Assoc. psychologist, Ill. Inst. Tech, 63-64, res. psychologist, 64-65; asst. prof. PSYCHOL, EASTERN MICHIGAN, 65-66, ASSOC. PROF, 66- U.S. Pub. Health Serv. fel, California, Los Angeles, 62-63. U.S.A. 53-55. A.A.A.S. Psychopharmacology; comparative and physiological psychology; operant conditioning; experimental aesthetics. Publ: Co-auth, Brain lesions and locomotor exploration in the Albino rat, J. Comp. & Physiol. Psychol, 64, Effects of bacterial endotoxin on operant behavior and drug-induced CNS activity, Pharmacologist, 65 & Curiosity in zoo animals, Behaviour, 66. Address: Dept. of Psychology, Eastern Michigan University, Ypsilanti, Mich. 48197.

SROLE, PROF. LEO, b. Chicago, Ill, Oct. 8, 08; m. 41; c. 2. SOCIOLOGY. B.S. Harvard, 33; Ph.D.(anthrop. sociol), Chicago, 40. Prof. & chmn. dept, Cols. of Seneca, 41-43; UNRRA welfare officer, Germany, 45-46; mem, bur. soc. res, Columbia, 47-48; res. dir, Anti-Defamation League, 48-52;

prof. sociol, med. col, Cornell, 52-59; vis. res. prof, Einstein Med. Col, 59-61; PROF. PSYCHIAT, State Univ. N.Y. Downstate Med. Center, 61-65; COL. PHYSICIANS & SURGEONS, COLUMBIA, 65-; CHIEF PSYCHIAT. RES, STATE PSYCHIAT. INST, N.Y. 65- Res. grant, Louvain, 66-; Nat. Inst. Ment. Health res. grant, Soc. Sci. Res. Unit, 67-71. U.S.A.A.F. 42-45. Fel. Sociol. Assn; fel. Anthrop. Assn. Community; social pathology; psychiatric sociology. Publ: Co-auth, Social systems of American ethnic groups; the Yankee City study, Yale, 45; Mental health in the metropolis: the midtown Manhattan study, McGraw, 62. Address: 151-39 25th Ave, Whitestone, N.Y. 11357.

STAAL, DR. MURRAY, b. New York, N.Y., Feb. 9, 22; m. 60. PSYCHOLOGY. B.S.S. City Col. New York, 49, Tremain scholar, 49-50; Ph.D. N.Y. Univ, 55. Asst. dir. admin. sch. gen. studies, CITY COL. NEW YORK, 52-55, asst. prof. PSYCHOL, 55-67, ASSOC. PROF, 67- Sig.C. U.S.A. 40-42. Psychol. Assn. Clinical psychology; theory building. Address: Dept. of Psychology, City College of New York, Convent Ave. at 139th St, New York, N.Y. 10031.

STAAR, PROF. R(ICHARD) F(ELIX), b. U.S., Jan. 10, 23; m. 50; c. 2. POLITICAL SCIENCE. B.A. Dickinson Col, 48; M.A. Yale, 49; Ph.D.(polit. sci), Michigan, 54. Res. specialist, U.S. Govt, 49-54; chmn. dept. soc. sci, Ark. State Col, 57-58; lectr, Univ. Maryland, Germany, 58-59; from assoc. prof. to PROF. POLIT. SCI. & CHMN. DEPT, EMORY, 59- Prof. Nat. War Col, 67-69. U.S.M.C.R. 60-, Lt. Col. Polit. Sci. Assn. Union of Soviet Socialist Republics; Eastern Europe. Publ: Poland, 1944-1962: the Sovietization of a captive people, La. State Univ, 62; The Communist regimes of Eastern Europe: an introduction, Stanford Univ. Hoover Inst, 67; ed. & co-auth, Aspects of modern Communism, Univ. South Carolina, 68. Address: 879 Clifton Rd, N.E. Atlanta, Ga. 30307.

STAATS, PROF. ARTHUR W(ILBUR), b. Elmsford, N.Y., Jan. 17, 24; m. 53; c. 2. PSYCHOLOGY. A.B. California, Los Angeles, 49, M.A. 53, Ph.D. (psychol), 56. Instr. psychol, Arizona State, 55-56, asst. prof, 56-58, assoc. prof, 58-60, prof, 60-64; vis. prof, California, Berkeley, 64-65; PROF, Wisconsin, 65-67; PSYCHOL. & ED. PSYCHOL, HAWAII, 67- Nat. Sci. Found. sr. faculty fel, London, 61-62. U.S.N. 42-45. Fel. AAAS; fel. Psychol. Assn; Sociol. Assn. Learning theory, language, personality, study and treatment of intellectual learning in children; individual and social human behavior. Publ: Complex human behavior, 63, Human learning, 64 & Learning, language and cognition, 68, Holt. Address: Dept. of Psychology, University of Hawaii, Honolulu, Hawaii 96822.

STAATS, PROF. CAROLYN K(AIDEN), Psychol, Sociol, see 10th ed, Soc. & Behav. Vols.

STAATS, DR. ELMER BOYD, b. Richfield, Kans, June 6, 14; m. 40; c. 3. POLITICAL SCIENCE. A.B. McPherson Col, 35, hon. LL.D. 68; A.M. Kansas, 36; fel, Brookings Inst, 38-39; Ph.D. Minnesota, 39. With U.S. Bur. Budget, 39-50, dep. dir, 50-53; res. dir, Marshall Field & Co, 53; exec. officer, oper. coord. bd, Nat. Security Coun, 54-58; dep. dir, U.S. Bur. Budget, 58-66; COMPTROLLER GEN. OF U.S., U.S. GEN. ACCT. OFF, 66- Lectr, American Univ, 41-43; George Washington, 44-46. Mem. Coun. State Govt. Res. Adv. Cmt, 66; President's Cmn. Budget Concepts, 67. Rockefeller pub. serv. award, 61; alumni achievement award, Minnesota, 64; distinguished serv. citation, Kansas, 66. Polit. Sci. Assn; Soc. Pub. Admin; Planning Assn; Acad. Polit. & Soc. Sci; Fed. Govt. Acct. Assn. Public administration; economics. Address: 5011 Overlook Rd. N.W., Washington, D.C. 20016.

STABLER, PROF. GEORGE MILLER, b. Ridley Park, Pa, Mar. 28, 28; m. 51; c. 4. SOCIOLOGY. B.A. Earlham Col, 50; M.S. Wisconsin, 53; Ph.D. Mich. State, 58. Asst. prof. sociol, Colo. Agr. & Mech. Col, 55-56; Col. Wooster, 56-57; sociol. & community dynamics, Earlham Col, 57-60; community consult. & assoc. prof, Community Develop. Inst, Southern Illinois, 60-62; PROF. SOCIOL. & CHMN. DEPT, ROCKFORD COL, 62- Consult. community ment. health, Singer Zone Center, Ill. Dept. Ment. Health, 66-; mem. Narcotics Adv. Coun, State of Ill, 68- Summer, exec. dir. Ford Found-Berea Col. Workshop on Urban Adjust. of Appalachian Migrants, Ky, 60. Fel. Sociol. Assn. Community development and social change; comparative social institutions; social values; action research on social psychological dynamics of community change promoting groups and their members. Publ: The experience of bankruptcy, Rockford Credit Assn, 66. Address: Dept. of Sociology, Rockford College, Rockford, Ill. 61101.

STACEY, BENJAMIN F(RANKLIN), b. Somerville, Mass, Apr. 26, 08; m. 30; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. A.B. Dartmouth Col, 29, M.Com.S. 30. Asst. indust. bur, Boston Chamber Commerce, 37-43; U.S. Civil Serv. Cmn, Mass, 43-46; regional economist, U.S. Dept. Commerce, 46-47; indust. analyst, FIRST NAT. BANK BOSTON, 47-56, asst. v.pres. BUS. RES. DEPT, 56-58, V.PRES, 58- Ed, New Eng. Letter. Trustee, N.E. Econ. Ed. Coun. & N.E. Econ. Res. Found; treas, N.E. Coun. Mem. bus. res. adv. coun, bur. labor statist, U.S. Dept. Labor, 60- Econ. Assn; Finance Assn; Nat. Assn. Bus. Econ. Address: 48 Old Brook Circle, Melrose, Mass. 02176.

STACEY, PROF. KARL, b. Pittsburg, Kans, May 11, 11. GEOGRAPHY. A.B. Colorado, 36, A.M. 37; Inst. Int. Ed. For. Exchange fel, Zurich, 38-39; Ph.D.(geog), Clark, 55; hon. scholar, Australian Nat. Univ, 67-68. Instr, Hunter Col, 42-43; instr. GEOG, KANSAS STATE, 43-44, assoc. prof, 47-59, PROF, 59- Fulbright prof, Tokyo Inst. Tech. & Nat. Ed. Univ, Japan, 56-57. U.S.A. 44-47. Assn. Am. Geog. Economic geography of petroleum reserves. Publ: Petroleum and gas in the economy of Oklahoma. Address: Dept. of Geology, Kansas State University, Manhattan, Kans. 66502.

STACHOWIAK, DR. JAMES G(REGORY), b. Milwaukee, Wis, Feb. 18, 32; m. 54; c. 4. PSYCHOLOGY. B.S. Wisconsin, 54; M.A. Kansas, 59, Ph.D. (psychol), 61. Chief psychol, Wyandotte County Ment. Health & Guid. Center, Inc, Kans, 61-62; asst. prof. PSYCHOL, KANSAS, 62-65, ASSOC. PROF, 65-, HEAD PSYCHOL. CLIN, 62- Consult, Wyandotte County Ment. Health & Guid. Center, Inc, 62-; Vet. Admin. Training Prog, 63-; Greater Kansas City Ment. Health Found, 64- Psychol. Assn; Nat. Coun. Family Rel; Ortho-

- psychiat. Asn. Family processes and interactions; community psychology; psychotherapy research. Publ: Co-auth, The hypnotic alteration of social attitudes, *J. Personality & Soc. Psychol.*, 7/65 & Consistency, rigidity, and power in the interaction patterns of clinic and nonclinic families, *J. Abnorm. Psychol.*, 6/67; auth, Psychological disturbances in children as related to disturbances in family interaction, *J. Marriage & Family*, 2/68. Address: Dept. of Psychology, University of Kansas, Lawrence, Kans. 66044.
- STACKFLETH, MAJ. EVAN DEAN, U.S.A.F, b. Anthony, Kans, Jan. 10, 32; m. 58; c. 2. INDUSTRIAL PSYCHOLOGY. B.S. Kansas State, 54; M.S. Trinity, 58; Ph.D.(psychol), Purdue, 65; Air Command & Staff Col, 67- Psychometrist, Assoc. Personnel Technicians, 53-54; U.S. AIR FORCE, 54-, res. psychologist, Air Force Personnel & Training Res. Center, 54-58, Aerospace Med. Res. Lab, 58-61, human performance engr, Sys. Eng. Group, 62-67. Psychol. Asn; Human Factors Soc. Personnel requirements; human engineering; training requirements. Publ: Co-auth, A data reduction technique applied to the development of qualitative and quantitative personnel requirements information: the keysort card system, Wright Air Develop. Div. Tech. Note, 60; auth, Test and evaluation of qualitative and quantitative personnel requirements information, Aerospace Med. Res. Lab. Tech. Documentary Report, 64. Address: 2615 Baldwin Brook Dr, Montgomery, Ala. 36111.
- STACKMAN, HARVEY A(LBERT), JR, b. South Bend, Ind, Oct. 31, 13; m. 36; c. 3. INDUSTRIAL PSYCHOLOGY. A.B. Indiana, 35; M.A. Columbia, 36; Yale, 41-51; Temple, 57-61. Mgr. personnel, West. Elec. Co, N.Y. 36-41; adminstr. indust. rels, Scovill Mfg. Co, Conn, 41-51; asst. to mgt. v-pres, Olin Winchester Arms Co, 51-55; dir. orgn. planning & mgt. develop, Radio Corp. Am. Nat. Broadcasting Co, 55-57; dean mgt. inst, Temple, 57-60; dir. south. states mgt. develop. & indust. econ, Univ. Alabama, 60-62; ECONOMIST, UNIV. SOUTH CAROLINA, 63-. Dipl. Am. Bd. Exam. Prfl. Psychol, 51. Psychol. Asn; Acad. Mgt; Inst. Mgt. Sci. Industrial organization and management with emphasis on management structure, planning, methods, systems and procedures; executive selection, functioning and development. Publ: Essentials of management; Industrial relations and personnel administration; co-auth, Industrial organization and management. Address: Dept. of Management, College of Business Administration, University of South Carolina, Columbia, S.C. 29208.
- STADDON, DR. J. E. R, b. Grayshott, Eng, Mar. 19, 37; m. 61; c. 1. EXPERIMENTAL PSYCHOLOGY. B.Sc. London, 60; Ph.D.(exp. psychol), Harvard, 64. Res. assoc. EXP. PSYCHOL, cmt. programmed instr, Harvard, 64; ASST. PROF. Toronto, 64-67; DUKE, 67- Res. grants, Nat. Res. Coun. Can, 65-67 & Nat. Inst. Ment. Health, 65-68. Psychol. Asn; Psychonomic Soc. Experimental and theoretical analysis of discrimination learning; computer simulation; philosophy of science. Publ: Some properties of spaced responding in pigeons, 8: 19-27 & Attention and temporal discrimination: factors controlling responding under a cyclic-interval schedule, 10: 349-59. *J. Exp. Anal. Behav.*; Asymptotic behavior: the concept of the operant, *Psychol. Rev.*, 5: 377-91. Address: Dept. of Psychology, Duke University, Durham, N.C. 27706.
- STADT, DR. Z(ACHARY) M(ICHLIN), Pub. Health, see 11th ed, Phys. & Biol. Vols.
- STAFFORD, PROF. ALFRED BREADING, b. Pittsburgh, Pa, June 22, 08; m. 41. HISTORY OF SCIENCE & TECHNOLOGY, MECHANICAL ENGINEERING. B.S. Carnegie Inst. Tech, 30; M.A. Pittsburgh, 39; Ph.D.(sociol), Chicago, 50. Engr. Gen. Elec. Co, 30-32; teacher, pub. schs, Pa, 34-39; sci. & math, Bakersfield Col, 39-40; engr, Douglas Aircraft Co, 41-45; PROF. MECH. ENG, Wyoming, 46-58; ARIZONA STATE, 58- Inst. Aeronaut. & Astronaut; Newcomen Soc; Soc. Hist. Tech. Growth trends in American invention, 1790-1965; theory and social effects of invention. Publ: Trends of invention in material culture, Univ. Chicago microfilm, 50; Is the rate of invention declining? *Am. J. Sociol.*, 5/52; co-auth, Social implications of technical advance, *Current Sociol.*, Vol. 1: 187-266 & UNESCO, 53. Address: Dept. of Mechanical Engineering, Arizona State University, Tempe, Ariz. 85281.
- STAFFORD, PROF. DAVID B(ENBOW), b. Greensboro, N.C, July 22, 18; m. 47; c. 5. SOCIOLOGY, ANTHROPOLOGY. A.B. Guilford Col, 38; A.M. Haverford Col, 39; Ph.D. Duke, 55. PROF. SOCIOL. & CHMN. DEPT, GUILFORD COL, 46- Sociol. Asn; Asn. Asian Studies. Social theory; sociology of religion. Address: Box 334, Guilford College, Greensboro, N.C. 27410.
- STAFFORD, PROF. HENRY H, b. Newton, Mass, May 18, 02; m. 30; c. 2. STATISTICS. B.B.A. Boston, 24. Dir. commodity dept. & ed. Service, Babson's Statist. Orgn, Inc, Mass, 28-41; prin. analyst, consumption mat. unit, div. indust. economy, U.S. Dept. Commerce, 41-42; economist, Am. Paper & Pulp Asn, N.Y., 42-43; head dept. bus. & indust. studies, Nat. Indust. Conf. Bd, 43-44; prof. BUS. STATIST. & head dept. bus. res. & statist, BOSTON, 44-59, EMER. PROF, 59- Lectr, Babson Adult Sch, 45-46; Babson Inst. Bus. Admin, 46. Statist. Asn; Mkt. Asn. Business research and statistics. Publ: Community dependency on the primary paper and pulp industry of the United States; Business statistics as a career. Address: 1220 26th Ave. N, St. Petersburg, Fla. 33704.
- STAFFORD, PROF. HOWARD A, JR, b. West Chester, Pa, Sept. 27, 33; m. 55; c. 2. GEOGRAPHY. B.S. West Chester State Col, 55; M.A. Iowa, 57, Ph.D. 60. Asst. prof. GEOG, Southern Illinois, 59-64; lectr, Wisconsin, 64-65; ASSOC. PROF, CINCINNATI, 65- Exchange lectr, Univ. Col. Wales, 66-67. Asn. Am. Geogr; Regional Sci. Asn. Economic and urban geography; quantitative research techniques. Publ: Manufacturing, In: High school geography project, Asn. Am. Geogr, 66; Population as a determinate of industrial type, *E. Lakes Geogr.*, 66; Evidence on the spatial organization of the economy, *Regional Studies*, 68. Address: Dept. of Geography, University of Cincinnati, Cincinnati, Ohio 45221.
- STAFFORD, DR. JOHN W(ILLIAM), b. Beaver, Okla, Aug. 28, 08. EXPERIMENTAL PSYCHOLOGY. A.B. St. Viator Col, 30; summers, Illinois, 30-32; M.A. Catholic Univ, 34; Ph.L. Louvain, 38. Ph.D.(psychol), 39. Instr. psychol, Col. of St. Francis, 35-36, 39-40; Catholic Univ, 40-44, asst. prof, 44-48, assoc. prof, 48-58, prof, 58-59, head dept. psychol. & psychiat, 47-59; prov. superior, Clerics of St. Viator, 59- Mem. chaplain serv. adv. cmt, Vet. Admin, 59-, chmn, 68-; mem. Nat. Adv. Coun. Voc. Rehab, 64-67; chmn, sensory study sect, soc. & rehab. serv. Dept. Health, Ed. & Welfare, 67- U.S.A.A.F., 44-46. Psychol. Asn. Classification of free-association responses; factorial analysis of personality; pastoral counseling. Publ: Fact, law and theory in psychology, *J. Gen. Psychol.*; co-auth, Experimental frustration in human adults, & Some patterns of manifest anxiety, *J. Clin. Psychol.* Address: 1100 Forest Ave, Evanston, Ill. 60202.
- STAFFORD, PROF. KENNETH R(AY), b. Ryan, Okla, Mar. 14, 22; m. 52. EDUCATIONAL PSYCHOLOGY. B.A. Oklahoma, 48, Ed.M. 50, Ph.D.(ed. psychol), 53. Asst. ed. psychol, Oklahoma, 50-53; staff mem, Ark. exp. teacher ed, Henderson State Teachers Col, 53-54; Arkansas, 54-55; instr. ed. psychol, E.Tex. State Col, 55-56, asst. prof. ed. psychol. & asst. dir, div. student personnel & guid, 56-57; asst. prof. Ed. PSYCHOL, ARIZONA STATE, 57-60, assoc. prof, 60-66, PROF, 66-, faculty res. grant, 63. Counsr, Vet. Admin, Ariz, 59-60; private practice, 59-61; U.S. Off. Ed. res. grant, 65. AAAS; Psychol. Asn; Ed. Res. Asn. Learning; cognitive processes; psycholinguistics. Publ: Co-auth, Basic teachings of the great psychologists, Doubleday, 65; auth, Problem solving as a function of language, U.S. Off. Ed. Res. Report, 8/66; co-auth, Radical reductionism, *Am. Psychologist*, 18/67. Address: Dept. of Counseling & Educational Psychology, Arizona State University, Tempe, Ariz. 85281.
- STAFFORD, DR. PAUL M, Indust. Eng, see 11th ed, Phys. & Biol. Vols.
- STAFFORD, DR. RICHARD E(LTON), b. Middleboro, Mass, May 10, 22; m. 55; c. 5. PSYCHOLOGY. M.A. Chicago, 58; A.M. Princeton, 59, Ed. Testing Serv. fel, 59-60, Ph.D.(psychol), 63. Test adminstr. & researcher psychomet, Human Eng. Lab. & Johnson O'Connor Res. Found, Pa, 49-55; asst. psychol, Chicago, 57-58; asst. in res, Princeton, 58-59; supvr. test develop, Pa. State, 60-63; dir. test bur, Parsons Col, 63-65; assoc. dir. twin study, Louisville, 65-67; ASSOC. PROF. PSYCHOL, OHIO STATE, 67- Res. assoc, Asn. Am. Med. Cols, Ill, 57; lectr, Rutgers, 58-59. U.S.A.F. 42-45, Res, 45-, Maj. Psychol. Asn; Soc. Human Genetics; Personnel & Guid. Asn; Nat. Coun. Measurement in Ed; Ed. Res. Asn. Vocational counseling; behavior genetics; psycholinguistics; statistics; individual differences; psychological measurement. Publ: Sex differences in spatial visualization as evidence of sex-linked inheritance, *Perceptual & Motor Skills*; Measures of misinformation, partial information and uninformaton related to personality traits & Evidence of an underlying genetic dichotomy for certain psychological traits, *Am. Psychologist*. Address: 2130 W. Granville Rd, Worthington, Ohio 43085.
- STAGER, DR. PAUL, b. Preston, Ont, July 14, 40; m. 65. PSYCHOLOGY. B.A. Western Ontario, 63; A.M. Princeton, 65, Ph.D.(psychol), 66. ASST. PROF. PSYCHOL, YORK (ONT), 66- Consult, personnel appl. res. unit, Can. Armed Forces, 67- Am. Psychol. Asn; Can. Psychol. Asn; Human Factors Soc. Decision-making; simulation techniques; employment of simulations in education and evaluation of military operations; psycho-physiology of vision. Publ: An integration of neurological factors in the spiral aftereffect, *Can. J. Psychol.*, 20: 400-406; Note on the use of information concepts in the assessment of group structure, *Perceptual & Motor Skills*, 8/66; Conceptual level as a composition variable in small group decision making, *J. Personality & Soc. Psychol.*, 2/67. Address: Dept. of Psychology, York University, Faculty of Arts & Science, Toronto, Ont, Can.
- STAGNER, PROF. ROSS, b. Waco, Tex, June 15, 09; m. 28; c. 2. PSYCHOLOGY. B.A. Washington (St. Louis), 29; M.A. Wisconsin, 30, Ph.D.(psychol), 32; hon. M.A. Dartmouth Col, 47. Asst. psychol, Wisconsin, 29-32, 33-34; Soc. Sci. Res. Coun. fel, 32-33; instr. psychol, People's Jr. Col, Ill, 34-35; asst. prof, Akron, 35-39; Dartmouth Col, 39-47, prof, 47-49; psychol. & indust. rels, Illinois, 49-57; PROF. PSYCHOL. & CHMN. DEPT, WAYNE STATE, 57- Asst. personnel mgr, Koppers Co, Pa, 43-45; Fulbright res. scholar, Italy, 55-56; Nat. Sci. Found. sr. fel, 62; Ford Found. res. fel, 63-64; Fulbright teaching award, London, 65-66. Consult, div. behav. sci, Nat. Res. Coun, 64-67. Mem. subcm. res, Nat. Manpower Adv. Cmt, 66-68. Fel. Psychol. Asn. Personality; perception; industrial conflict; international relations. Publ: Psychology of industrial conflict; Psychology of personality; Psychological aspects of international conflict, Brooks/Cole, 67. Address: Dept. of Psychology, Wayne State University, Detroit, Mich. 48202.
- STAHL, DR. EARL, b. South Bend, Ind, Nov. 8, 31; m. 56; c. 6. COUNSELING PSYCHOLOGY. B.M.Ed. Indiana, 54; M.S. Ohio, 56; Ph.D.(ed), Ohio State, 65. Teacher, pub. schs, Ohio, 56-59; teacher & counsr, pub. schs, Ind, 59-62; admin. asst. ed, Ohio State, 63-64, instr. ed. res, 64-65; asst. prof. PSYCHOL, WIS. STATE, OSHKOSH, 65-67, ASSOC. PROF, 67- U.S. Off. Ed. lectr, 65. Consult, Wis. Ed. Serv. Agency, 66-67; Fox Valley Career Develop. Center, 66- Personnel & Guid. Asn; Asn. Counsr. Ed. & Supv; Ed. Res. Asn. Transition of students from high school to college; communication between high schools and colleges; research to classify counselor sub-roles. Publ: Co-auth, PERT applications in education, U.S. Off. Ed, 66; auth, High school-college communication, Guid. J, 67; Researching school problems, Guidelines, 68. Address: Dept. of Psychology, Wisconsin State University, Oshkosh, Wis. 54902.
- STAHL, DR. O. GLENN, b. Evansville, Ind, Apr. 30, 10; m. 34; c. 2. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B. Evansville Col, 31; M.A. Wisconsin, 33; Ph.D.(polit. sci, pub. admin), N.Y. Univ, 36. Personnel worker, Tenn. Valley Authority, 35-41; chief classification & dep. dir. personnel, Fed. Security Agency, 41-48, dir. personnel, 48-51; exec. v.chmn, Fed. Personnel Coun, 51-54; DIR. BUR. POLICIES & STANDARDS, U.S. CIVIL SERV. CMN, 55- Mem. faculty, Tennessee, 39; grad. sch, U.S. Dept. Agr, 41-49; adj. prof, American Univ, 49-; UN tech. asst, Venezuela, 58-59; U.S. rep. conf. UN econ. cmn. Africa, Ethiopia, 64; vis. lectr, Chicago, Southern California, Fla. State, Princeton, Dartmouth; Salzburg Seminar in Am. Studies, 65; Ford Found. consult, India, 68. Career serv. award, Nat. Civil Serv. League, 67. Polit. Sci. Asn; Soc. Personnel Admin.(ed, jour, 45-55; Stockberger award, 62); Acad. Polit. & Soc. Sci; Soc. Pub. Admin; Pub. Personnel Asn.(pres, 65-66). Publ: Public personnel adminis-

tration; Training career public servants for the City of New York, Address: Bureau of Policies & Standards, U.S. Civil Service Commission, Washington, D.C. 20415.

STAHLKOPF, PROF. ELMER C, b. Horicon, Wis. Dec. 2, 00; m. 34; c. 2. POLITICAL SCIENCE. B.A. Wisconsin, 25, M.A. 29. Chmn. dept. bus. LITTLE ROCK, 30-57, assoc. prof. polit. sci. & econ. 57-67, EMER. ASSOC. PROF. POLIT. SCI. 67- Economics. Address: 1905 N. Taylor St, Little Rock, Ark. 72207.

STAHNKE, DR. ARTHUR A(LLAN), b. St. Paul, Minn. Apr. 9, 35; m. 58; c. 3. POLITICAL SCIENCE. B.A. Bethel Col.(Minn), 57; M.A. Minnesota, 60; Ph.D.(polit. sci.) Iowa, 66. Instr. POLIT. SCI. SOUTHERN ILLINOIS, 63-66; ASST. PROF. 66- Vis. asst. prof. Washington (St. Louis), 68. U.S.A.R. 57-63. Polit. Sci. Assn; Assn. Adv. Slavic Studies. Chinese communist political systems, especially their legal system. Publ: Co-auth, The people's procuratorate in Communist China, China Quart, 65-67; The evolution of party policy on the drafting of legal codes in Communist China, Am. J. Comp. Law, 67. Address: Dept. of Government, Southern Illinois University, Edwardsville, Ill. 62025.

STAIGER, DR. RALPH C(ONRAD), b. New York, N.Y., Sept. 10, 17; m. 45; c. 2. PSYCHOLOGY. A.B. Columbia, 39, M.A. 42; Ed.D.(psychol. of reading), Temple, 52. Supt. pub. schs. Pa. 43-47; reading consult. N.Y. 49-52; vis. lectr. Rutgers, 52; prof. psychol. & dir. reading clin. Southern Mississippi, 52-62; EXEC. SECY. INT. READING ASN, 62- Adj. prof. Delaware, 62- Consult, 49- Pres. Nat. Conf. Res. Eng. 59. Psychol. Assn. Perceptual factors in reading; readability of printed materials. Publ: Co-auth, New directions in reading, Bantam, 67; auth, Developments in reading and literacy education, UNESCO, 68; Certain language factors in the readability of primary reading textbooks, J. Ed. Res. Address: 701 Dallam Rd, Newark, Del. 19711.

STAIMAN, DR. MARTIN G, b. Altoona, Pa. May 24, 08; m. 42 c. 2. CLINICAL PSYCHOLOGY. B.A. Alfred, 31; M.A. Columbia, 32; Chicago, 46; Ph.D.(psychol.) N.Y. Univ. 49. Psychologist, New York City Penitentiary, 34-36, dir. classification, New York City Dept. Correction, 36-42; psychologist, ment. hyg. clin. Vet. Admin. Regional Off, N.J. 47-49; chief psychologist, ment. hyg. clin. Vet. Admin. Regional Off, Rochester & Buffalo clinics, N.Y. 49-52; neuropsychiat. serv. VET. ADMIN. HOSP. BUFFALO, 52-67, CHIEF PSYCHOL. SERV. 67- Lectr. Rochester, 50-64; clin. assoc. sch. med, State Univ. N.Y. Buffalo, 52-; lectr. dept. psychol. 58-65. Dipl. clin. psychol. Am. Bd. Exam. Prlnl. Psychol. 50. U.S.A. 42-46, 1st Lt. Psychol. Assn; Orthopsychiat. Assn; Group Psychother. Assn. Variables that differentiate patients who continue and discontinue treatment in mental hygiene clinic; individual and group psychotherapy, process of psychotherapy and psychodiagnostic testing. Publ: Exploration of the dynamics of non-directive psychotherapy, Personal Couns. Univ. Chicago, 47; co-auth, The social desirability of trait descriptive terms: applications to a schizophrenic sample, J. Soc. Psychol. 54: 37-45. Address: 23 Devon Lane, Williams-ville, N.Y. 14221.

STAINE, H(AROLD) A(DELBERT), b. Lorraine, Ohio, Aug. 22, 19; m. 50. ECONOMICS, POLITICAL SCIENCE. A.B. Agr. & Mech. Col. Tex. 46, M.S. 47; Missouri, 47-49; Vanderbilt, 49-51. Instr. Missouri, 47-49; asst. prof. econ. & polit. sci. Cent. Col.(Mo), 49-50; assoc. prof. econ. & chmn. dept. econ. & bus. admin. Carson-Newman Col. 51-55; Auburn, 56-59; TRAINING COORDINATOR, TEXTILES DIV. MONSANTO CO. 59- Instr. eve. dir. Lander Col. 65- U.S.A. 43-46. Acad. Polit. Sci; Econ. Assn; Sociol. Assn; Soc. Training & Develop. United States and Latin American trade during two wars. Publ: Co-auth, Principles of retailing & money and banking; co-auth, Public finance, Pitman. Address: 106 Woodcrest Rd, Greenwood, S.C. 29646.

STAKE, PROF. ROBERT E(ARL), b. Adams, Nebr. Dec. 18, 27; m. 51; c. 3. PSYCHOLOGY. B.A. Nebraska, 50, M.A. 55; Ph.D. Princeton, 58. Asst. prof. ED. PSYCHOL. Nebraska, Lincoln, 58-61, assoc. prof. 61-66; PROF. ILLINOIS, URBANA, 66- U.S.N. 46-47, 51-54, Res. 54-, Lt.(jg). Psychol. Assn. Psychometric methodology; programmed instruction; statistical analysis; use of computers for educational research. Publ: Learning parameters, aptitude and achievements, Psychomet. Monogr. Address: College of Education, University of Illinois, Urbana, Ill. 61801.

STALEY, DR. A(LVAH) EUGENE, b. Friend, Nebr. July 3, 06. INTERNATIONAL ECONOMIC DEVELOPMENT. A.B. Hastings Col. 25; Ph.D. Chicago, 28. Soc. Sci. Res. Coun. fel. Europe, 29-31; asst. prof. econ. Chicago, 31-37; grad. inst. int. studies, Geneva, 34-35; assoc. prof. int. econ. rels. Fletcher Sch. Law & Diplomacy, 37-39, prof. 39-44; Sch. Adv. Int. Studies & For. Serv. Training Center, D.C. 44-45; lectr. int. trade, grad. sch. bus. Stanford, 45-46; exec. dir. World Affairs Coun. North. Calif. 47-49; sr. int. economist, Stanford Res. Inst. 48-68, dir. basic res. int. develop. center, 57-65; CONSULT, FORD FOUND, INDIA, 68- Prof. ed. int. develop. ed. center, Stanford Univ. 65-68. Economist, Adminstr. Export Control, U.S. Bur. Budget, U.S. Dept. State & UNRRA, 42-44; econ. surv. mission, Int. Bank Reconstruction & Develop. Cuba, 50-51. Consult, UN Econ. Affairs Dept. 48-47, 61; Govt. India & Ford. Found, 55-57, 60 & 67-68; small indust. develop. Colombia, 62, Peru, 64; regional develop. Aswan, Egypt, 64; manpower planning off, Nat. Econ. Develop. Bd, Thailand, 65. Mem. Charter Conf. UN, San Francisco, 45; dir. study polit. implications of econ. develop. Coun. For. Rel. 52; mem. U.S. del. to UN Conf. Appl. Sci. & Tech. for Benefit of Less Developed Areas, 63; mem. Cmt. Ed. & Human Resources Develop. Ed. & World Affairs & chmn. submt. occupational ed, 65-AAAS; Econ. Assn. Human resources development; education's role in development; occupational education and training. Publ: The future of underdeveloped countries, Harper, 54, Praeger, rev. ed. 61; co-auth, Modern small industry for developing countries, McGraw, 65; auth, Planning occupational education and training for development, Stanford Int. Develop. Ed. Center, 67. Address: c/o Ford Foundation, 55 Lodi Estate, New Delhi, India.

STALEY, AUSTIN J(OHN), O.S.B. b. Pittsburgh, Pa. Oct. 21, 16. SOCIOLOGY. A.B. St. Vincent Col, 37, A.M. 38; Wisconsin, 45; A.M. Catholic Univ, 48; Ph.D.

Pittsburgh, 60. Head soc. studies dept, St. Vincent Prep. Sch, 41-47; from asst. prof. & head dept. to PROF. SOCIOL. ST. VINCENT COL, 48- Lectr, Seton Hill Col, 49- Am. Sociol. Assn; Brazilian Sociol. Soc. Patristic social thought; social thought of the sixth century. Address: Dept. of Sociology, St. Vincent College, Latrobe, Pa. 15650.

STALEY, DR. CHARLES E(ARL), b. Wichita, Kans. Feb. 17, 27; m. 54; c. 2. ECONOMICS. A.B. Kansas, 50; fels. Mass. Inst. Tech, 50-53, Ph.D.(econ), 56. Instr. Kansas, 53-57, asst. prof. ECON, 57-62, ASSOC. PROF. 62-65; STATE UNIV. N.Y. STONY BROOK, 65- Ford Found. faculty fel. 63-64. U.S.A. 45-46. Am. Econ. Assn; Royal Econ. Soc. International economics; economic theory and development. Publ: Response to agricultural prices in Costa Rica, Econ. J; Central American economic integration, South. Econ. J, 62; Growth, the balance of payments, and the contemporary adjustment mechanism, Economia Internazionale, 67. Address: Dept. of Economics, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.

STALEY, SISTER IGNATIUS, b. Syracuse, N.Y., Sept. 13, 04. SOCIOLOGY. A.B. DePaul, 49; A.M. Loyola (Ill), 61, Orgn. Am. States fel. 63, univ. fels. 65-67, Ph.D.(sociol), 67. Vis. lectr. SOCIOL. Loyola(Ill), 67; asst. prof. & chmn. dept. Fontbonne Col, 67-68; ASST. PROF. ST. MARY COL.(KANS.), 68- Racial prejudice in Chicago secondary schools; lower class workingmen's families and their adaptation to urbanization in Lima, Peru. Address: Dept. of Sociology, St. Mary College, Xavier, Kans. 66098.

STALEY, JOHN D, b. Philadelphia, Pa. Apr. 20, 24. BUSINESS MANAGEMENT, PSYCHOLOGY. A.B. Temple, 50, A.M. 51; Rutgers, 51-56, U.S. Steel Corp. fel. 53. Exten. assoc. indust. psychol. inst. labor-mgt. rels. Rutgers, 51-54; personnel mgr. Schweitzer Div. Kimberley-Clark Corp, 54-56; div. mgr. Am. Mgt. Assn, 56-60; dir. indust. rels. Genesco, Inc, 60-61, dir. manpower, 61-64; V.PRES. ABRAHAM & STRAUS, 64- Lectr. Rutgers, 51-56; field rep. auto. indust. tech. proj. Yale, 52-54; instr. Mutual Security Agency, U.S. Govt, 52-53; lectr. Columbia, 59-62. Psychol. Assn. Executive selection and development; management processes; organization planning; industrial relations research; productivity. Publ: The cost-minded manager, 61, co-auth, Improving individual productivity, 63 & auth, The disciplinary interview, 66, Am. Mgt. Assn. Address: 4 E. 10th St, New York, N.Y. 10003.

STALLER, DR. GEORGE J(OHN), b. Brno, Czech, May 7, 27; nat; m. 56; c. 4. ECONOMICS. Ford Found. fel. & Earhart Found. fels. Harvard, 57-58; Ph.D.(econ), Cornell, 59. Asst. prof. ECON. CORNELL, 60-65, ASSOC. PROF. 65- Econ. Assn. Planned economies; international trade; structure and growth of Soviet and east European economies. Publ: Fluctuations in economic activity: planned and free market economies, 6/64, Patterns of stability in foreign trade: OECD and COMECON, 50-63, 9/67 & Czechoslovakia: the new model of planning and management, 5/68, Am. Econ. Rev. Address: Dept. of Economics, Cornell University, Ithaca, N.Y. 14850.

STALLINGS, DR. JAMES LARKIN, b. Poseyville, Ind. Nov. 20, 30; m. 52; c. 2. AGRICULTURAL ECONOMICS. B.S. Purdue, 52, M.S. 56; Ph.D.(agr. econ), Mich. State, 59. Asst. prof. agr. econ. New Mexico State, 58-60; asst. prof. agr. econ. Nebraska & agr. economist, Econ. Res. Serv. U.S. Dept. Agr. 60-62; suprvy. statistician, Agr. Div. U.S. Bur. Census, 62-65; ASST. PROF. AGR. ECON. & ECON. WEST VIRGINIA, 65- Lectr. West Virginia Univ-Agency Int. Develop. contract, Agr. Col. Morogoro, Tanzania, 67- U.S.A. 52-54, 1st Lt. Agr. Econ. Assn; Econ. Assn; Can. Agr. Econ. Soc. Economics of agricultural production; land economics and marketing; economic development. Address: Dept. of Agricultural Economics, West Virginia University, Morgantown, W.Va. 26506.

STALNAKER, DR. ARMAND C(ARL), b. Weston, W.Va. Apr. 24, 16; m. 46; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. B.B.A. Cincinnati, 42; M.A. Pennsylvania, 45; Ph.D.(psychol. personnel), Ohio State, 51. Asst. prof. bus. orgn. Ohio State, 46-50; from assoc. regional mgr. to exec. gen. mgr. Prudential Ins. Co. Am. 50-63; ADMIN. V.PRES. TO EXEC. V.PRES. GEN. AM. LIFE INS. CO. 63- Psychol. Assn; Econ. Assn. Personnel selection; business organization; administrative management. Publ: Life insurance agency financial management, Irwin, 65. Address: 35 York Dr, St. Louis, Mo. 63144.

STALNAKER, DR. JOHN MARSHALL, b. Duluth, Minn. Aug. 17, 03; m. 33; c. 3. PSYCHOLOGY. B.S. Chicago, 25, M.A. 28; hon. LL.D. Purdue, 56, Centre Col. 60. Instr. psychol. Purdue, 26-30, asst. prof. ed. & psychol. 30-31; exam. Chicago, 31-36; from asst. prof. to prof. psychol. Princeton, 36-45; prof. psychol. Stanford, 45-49, dean students, 45-47; prof. psychol. & coordinator psychol. sci. & serv. Ill. Inst. 49-51; dir. studies, Am. Am. Med. Cols. 49-55; PRES. NAT. MERIT SCHOLAR. CORP. 55- Bingham Mem. lectr. 61. Consult. Fund for Adv. Ed. 52-53; Ford Found. 53-54; Nat. Sci. Found. 52-56. Dir. attitude measurement surv. Minnesota, 30-31; med. testing, Ed. Testing Serv; dir. & secy. Pepsi-Cola Scholar. Bd. 45-50; exec. dir. Cmn. Presidential Scholars, 64- Mem. sch. adv. bd. U.S. Air Force, 50-53; bd. foreign scholars, U.S. Dept. State, 62-67; chmn. Midwest Regional Panel on White House Fels, 65- Res. assoc. to assoc. secy. Col. Entrance Exam. Bd. 36-45, dir. Navy test. res. unit Army-Navy Col. qualifying test, 42-45. Presidential cert. of merit, 48; distinguished civilian serv. award, U.S. Navy, 46. Dipl. Am. Bd. Exam. Prlnl. Psychol. AAAS; fel. Psychol. Assn; Psychomet. Soc; Personnel & Guid. Assn; Coun. Measurement in Ed; Psychonomic Soc. Publ: Recognizing and encouraging talent, Am. Psychologist; National scholarship program, In: Applications of psychology; Essay types of examinations, In: Educational measurements. Address: 569 Briar Lane, Northfield, Ill. 60093.

STALVEY, PROF. J(AMES) B(ENJAMIN), b. Pittsboro, N.C. Dec. 9, 08; m. 36. GOVERNMENT. A.B. Duke, 30, M.A. 31; Ph.D.(polit. sci.), Illinois, 46. Prof. soc. sci. Lambuth Col. 31-40; asst. polit. sci. Illinois, 40-43; vis. instr. Duke, 45-46; asst. prof. GOVT. MIAMI (FLA), 46-47, assoc. prof. 47-49, PROF. 49- European dir. int. seminar prog. Am. Friends Serv. Cmt. 51-53. Civilian Pub. Serv. 43-45. Polit. Sci. Assn. Political theory, especially proletarian thought; international law and relations, especially regarding the United States and Europe. Address: Dept. of Government, University of Miami, Coral Gables, Fla. 33124.

- STAMBUK, PROF. GEORGE, b. May 24, 27; m. 48. INTERNATIONAL RELATIONS, POLITICAL SCIENCE. A.M. Indiana, 56, Whitney Found. fel. 56-57, Ph.D. 61. Admin. asst. Int. Refugee Orgn. 49-50; specialist for. lang. U.S. Info. Agency, 56; lectr. polit. sci. Indiana, 57-61, asst. prof. 61-62; assoc. prof. INT. AFFAIRS, GEORGE WASHINGTON, 62-66, PROF. 67- Am. Philos. Soc. grant, 63; Soc. Sci. Res. Coun. Cmt. Int. Orgn. grant, 65-66. Mershon prize, Ohio State, 61. Polit. Sci. Asn; Inst. Strategic Studies; Soc. Int. Law; Int. Polit. Sci. Asn. International politics, law and organization; United States foreign and military policy; Western European integration; comparative government. Publ: American military forces abroad, Ohio State Univ, 63; co-auth, Eastern European government and politics, Harper, 66; contrib. to various jour. Address: Naval War College Center, George Washington University, Newport, R.I. 02840.
- STAMM, DR. JOHN S, Psychol, see Suppl. V to 11th ed, Phys. & Biol. Vols.
- STAMPER, DR. CLETUS, b. Atlanta, Ga, Oct. 18, 17; m. 52. BUSINESS ADMINISTRATION. B.S. Va. State Col. 48; M.S. Columbia, 49, M.A. 50, Ed.D. (bus. ed), 62. Instr. econ. & bus. admin, Lincoln (Mo), 50-55; high sch, Ohio, 55-57; HEAD DEPT. ECON. & BUS. ADMIN, LINCOLN (MO), 57- Mem. Cmn. Ed. Bus. Professions, 65-68. U.S.A. 41-46, S/Sgt. Am. Acct. Asn; Nat. Bus. Ed. Asn. Influence of selected factors on research activity in American collegiate schools of business. Address: Dept. of Economics and Business Administration, Lincoln University, Jefferson City, Mo. 65101.
- STAMPER, CLIFFORD M, b. Covington, Ky, May 9, 29; m. 55. GEOGRAPHY. A.B. Kentucky, 52; M.S. Tennessee, 53; La. State, 58-61. Asst. prof. GEOG, Ga. State Col, 56-58; Murray State Col, 61-68; INSTR, WRIGHT STATE, 68- Am. Geog. Soc; Asn. Am. Geog. Historical geography of Eastern United States; agricultural geography. Address: Dept. of Geography, Wright State University, Dayton, Ohio 45431.
- STAMPOLIS, PROF. ANTHONY, b. Rockdale, Ill, Jan. 29, 20. ECONOMICS, POLITICAL SCIENCE. A.B. Michigan, 42; Littauer fel, Harvard, 42-44, M.P.A. 44, Ph.D.(polit. econ. & govt), 50. Economist, New Eng. Regional Off, Nat. War Labor Bd, 44-46; asst. prof. econ. & chmn. dept. Redlands, 48-49; asst. prof. indust. mgt. & indust. rels. col. commerce, Detroit, 50-51; prof. econ. commun. sch. pub. rels, Boston, 51-53; prof. econ. & polit. sci. & chmn. dept, Pacific Lutheran, 53-57; prof. polit. econ, Ga. State Col, 57-62; Fulbright prof. int. labor develop, Cyprus Ministry Labour, Nicosia, 62-63; prof. & chmn. econ. & bus. admin, Libya, 63-66; PROF. ECON. & CHMN. DEPT, TOLEDO, 66- With Fram Corp, R.I. 51; Crown Zellerbach Corp, Ore, 55; dir, World Affairs Coun. of Tacoma, 56-57; staff assoc, Governor's Cmn. Econ. & Reorgn, Ga, 59; Econ. Ed. fel, Chase Manhattan Bank, N.Y. 59; Ford Found. faculty fel, Duke, 61. Summers, Fulbright fel, Inst. Chinese Civilization, Tunghai Univ, 64. Gen. Elec. fels, seminar contemporary econ, Univ. Virginia & recent develop. in appl. econ, grad. sch. bus. Univ. Chicago, 67. Econ. Asn; Polit. Sci. Asn; Indust. Rel. Res. Asn; Planning Asn. Economic theory; labor relations; political theory and international relations. Publ: Employees' attitudes toward unionization, management and factory conditions; Comparison of state taxes on industry in the Southeast; Social economic development of Cyprus, Cyprus Ministry Labour, Nicosia, 64. Address: Apt. 201, 2732 Kenwood Blvd, Toledo, Ohio 43606.
- STAMPP, PROF. KENNETH M, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- STANBACK, PROF. THOMAS M(ELVILLE), JR, b. Spencer, N.C, Jan. 12, 20; m. 47; c. 6. ECONOMICS. B.S. North Carolina, 40; M.B.A. Harvard, 42; Ph.D. Duke, 54. Asst. prof. bus. admin, North Carolina, 47-53, econ, 53-55; res. assoc. inventory fluctuations, Nat. Bur. Econ. Res, 55-56; asst. prof. ECON, N.Y. UNIV, 56-57, assoc. prof, 57-66, PROF, 66- Mem. staff conserv. human resources proj. on employ. expansion Am. cities, 1940-1960, Columbia Univ. U.S.A.A.F, 42-45, Capt. Econ. Asn. Investment behavior during business cycles; economics of textile industry. Publ: Postwar cycles in manufacturers' inventories, Nat. Bur. Econ. Res, 62; co-auth, Electronic data processing in New York City: lessons for metropolitan economics, Columbia, 67; Textile cycle, characteristics and contributing factors, South. Econ. J. Address: 19 Wildwood Circle, Larchmont, N.Y. 10538.
- STANCILL, DR. JAMES MCN, JR, b. Orange, N.J, July 30, 32; m. 54; c. 3. FINANCE, ECONOMICS. B.A. George Washington, 54, M.B.A. 57; Ph.D. (econ. finance), Pennsylvania, 65. Sub-contract buyer, Melpar, Inc, Va, 54-59; salary officer, off. financial v-pres, Pennsylvania, 59-64, instr. FINANCE, Wharton Sch. Finance & Commerce, 61-64; ASST. PROF. SOUTHERN CALIFORNIA, 64- Finance Asn; Econ. Asn. Theory of business finance; capital markets; security analysis. Address: Dept. of Finance, School of Business, University of Southern California, University Park, Los Angeles, Calif. 90007.
- STANCLIFF, DR. MERTON WESLEY, b. Morristown, Vt, Apr. 30, 30; m. 56; c. 2. ANTHROPOLOGY. A.B. Vermont, 52; fel, Columbia, 60, Ph.D.(anthrop), 66. Instr. ANTHROP, Manitoba, 61-62, ASSOC. PROF, 62-66; BOSTON, 66- U.S.A. Fel. Anthropol. Asn; Ethnol. Soc. Cultural anthropology; peasant societies, European and general; basic values systems; culture change; acculturation; human cultural origins. Publ: A comparative study of value orientations among three ethnic groups living in the province of Manitoba, Univ. Manitoba, 65. Address: Dept. of Sociology & Anthropology, Boston University, Boston, Mass. 02215.
- STANDING, PROF. THEODORE G(EOGE), b. Earlham, Iowa, Sept. 21, 01. SOCIOLOGY. A.B. Penn Col, 25; A.M. Iowa, 29, Ph.D. 32. Asst. & instr. sociol, Iowa, 29-33, asst. prof, 36-37; asst. res. analyst, rural res. unit, Fed. Emergency Relief Admin. & Works Progress Admin, D.C. 34-35; prof. sociol, Okla. Agr. & Mech. Col, 38-40; rural sociologist, bur. agr. econ, U.S. Dept. Agr, 41-43; PROF. SOCIOL, STATE UNIV. N.Y. ALBANY, 43- Soc. Asn; Rural Sociol. Soc. Rural sociology; minority groups; family; community; mass media. Address: Dept. of Sociology, State University of New York at Albany, Albany, N.Y. 12203.
- STANDLEE, DR. LLOYD S(COTT), b. Twin Falls, Idaho, Sept. 15, 23; m. 52; c. 4. PSYCHOLOGY. A.B. Whitman Col, 48; M.A. Columbia, 51, Ed.D., 55. Exam. proctor, N.Y. Law Sch, 50-52; asst, New York Bd. Higher Ed, 51-52; from instr. to asst. prof, Indiana, 52-58; assoc. prof. psychol, Florida, 58-60; E.Carolina Col, 60; RES. PSYCHOLOGIST, U.S. NAVAL PERSONNEL RES. ACTIVITY, 60- Co-chmn. cmt. basic & continuing ed. adolescents & adults, Nat. Coun. Teachers English, 67- U.S.A. 43-46. Psychol. Asn. Personnel performance evaluation; teaching methodology; remedial reading; test construction. Publ: Validity of Archimedes spiral in discriminating memory ability of psychotics and of normals, Arch. Neurol. & Psychiat; Quizzes contribution to learning, J. Ed. Psychol; Teacher variables related to job performance, Psychol. Reports. Address: U.S. Naval Personnel Research Activity, San Diego, Calif. 92152.
- STANEK, DR. RICHARD J(AMES), b. Oak Park, Ill, Sept. 13, 27; m. 54; c. 4. PSYCHOLOGY. B.S. Loyola, 50, fel, 50-55, M.A. 53, Ph.D.(psychol), 56. Asst. prof. PSYCHOL, SANTA CLARA, 58-63, ASSOC. PROF, 63-, CHMN. DEPT, 61- Participant, Nat. Sci. Found. Col. Teachers Summer Res. Participation Progs, Michigan, 65 & 66. U.S.N. 45-46, 55-58, Res, 58-, Lt. Psychol. Asn. Study of the perceptual processes; perceptual constancies; research design and data analysis. Publ: Note on the presumed measures of masculinity and femininity, Personnel & Guid. J.; A note on the relation between the optic disc and the blind spot, 66 & Surface and volume judgments of three-dimensional shapes, 5/68, Psychonomic Sci. Address: Dept. of Psychology, University of Santa Clara, Santa Clara, Calif. 95053.
- STANFIELD, PROF. BORIS M(ICHAE), b. Tomsk, Russia, May 25, 89. ECONOMICS. Ph.D. Imp. Univ. St. Petersburg, 16; Berlin, 29-30. Ed, Krymski Vjestnik, 19-21; daily pub, 21-24; dir, Econ. Inst. Res. on Russia, 24-26; econ coun, Georgian Manganese Co, 26-29; instr. ECON, Columbia, 31-36, asst. prof, 36-55, assoc. prof, 55-58; VS. PROF, PUERTO RICO, 58- Vis. prof, Havana, 46; São Paulo, 49; Hawaii, 50; lectr, Spain, Malaya, Majorca & Canary Islands, 64; Japan, 67. Mem. For. Asn-World Affairs Center. Econ. Asn. System of economy and soviet government; crisis of western civilization. Address: 408 Hermes, Rio Piedras, P.R. 00923.
- STANFIELD, DR. ROBERT EVERETT, b. Brooklyn, N.Y, Dec. 28, 34; m. 60; c. 3. SOCIOLOGY. B.A. City Col. New York, 57; A.M. Harvard, 61, Ph.D. (sociol), 63. ASST. PROF. SOCIOL, MASSACHUSETTS, 63- Consult, Progress for Providence, Inc, R.I. 64-; Gov. Cmt. Crime, R.I. 67- Sociol. Asn; Soc. Study Social Probs. Juvenile delinquency and youth crisis, aetiology, prevention, and control; higher education; role orientations of students. Publ: Co-auth, Clinical and actuarial predictions of juvenile delinquency, In: Controlling delinquents, Wiley, 67; auth, The aetiology of family variables and gang variables in the aetiology of delinquency, Soc. Probs, spring 66; co-auth, Assessment of student role orientations in college, Proc. Am. Psychol. Asn, 66. Address: Dept. of Sociology, University of Massachusetts, Amherst, Mass. 01002.
- STANFORD, DR. STEPHEN SEDLEY, b. Carey, Idaho, May 16, 20; m. 50; c. 8. SOCIOLOGY. B.S. Brigham Young, 50, M.S. 51, Ph.D.(sociol), Colorado, 59. Asst. prof. sociol, West. State Col. Colo, 55-59; housing & design, Brigham Young, 59-61, ASSOC. PROF. housing & home mgt, 61-64; SOCIOL, Middle Tenn. State Col, 64-65; WEBER STATE COL, 65- Lectr, Brigham Young, summer 63, participant & mem. res. team, Conf. Student Counseling & Guid, 66. Student motivation for college attendance and selections of major fields; faculty and student attitudes toward campus policies and student advisement programs. Publ: Science and man, Westate News, 57. Address: Dept. of Sociology, Weber State College, 3750 Harrison Blvd, Ogden, Utah 84403.
- STANFORD, DR. PHILIP STROUD, b. Ridgewood, N.J, Dec. 22, 30; m. 60; c. 2. SOCIAL ANTHROPOLOGY. B.A. California, Santa Barbara, 52; Mexico City Col, 56-57; M.A. Hawaii, 59; Nat. Inst. Ment. Health fel, London Sch. Econ, 63-67, Ph.D.(soc. anthrop), 67. Teaching asst. anthrop, Hawaii, 58-63; ASST. PROF. SOC. ANTHROP, SAN DIEGO STATE, 68- U.S.A. 52-54. Anthropol. Soc; Royal Anthropol. Inst. Political and economic anthropology; cooperatives; overseas immigrant communities and home communities from which immigration occurred. Address: Dept. of Anthropology, San Diego State College, San Diego, Calif. 92115.
- STANFORTH, PROF. SYDNEY DALTON, b. Esther, Alta, Aug. 9, 24; m. 46; c. 2. AGRICULTURAL ECONOMICS. B.S.A. Saskatchewan, 48, M.Sc. 49; Ph.D.(agr. econ), Iowa State, 51. Tech. officer, Can. Dept. Agr, 48-49; PROF. AGR. ECON, WISCONSIN, MADISON, 51- R.C.A.F, 43-45, Flying Officer. Agr. Econ. Asn. Production economics; agricultural credit; private recreation. Address: Dept. of Agricultural Economics, University of Wisconsin, Madison, Wis. 53706.
- STANISLAWSKI, PROF. DAN, b. Bellingham, Wash, Apr. 20, 03; m. 34; c. 2. GEOGRAPHY. A.B. California, 37, Ph.D.(geog), 44. Instr, Syracuse, 41-42; lectr. & instr. GEOG, California, 42-45; asst. prof, Washington (Seattle), 45-47; assoc. prof, Pennsylvania, 47-49; PROF, Texas, 49-63; ARIZONA, 63- Guggenheim fel, 52-53; Soc. Sci. Res. Coun. traveling fel, 52-53; Fulbright lectr, Brazil, 61; Calouste Gulbenkian Found. summer grant, 65; Guggenheim Found. res. grant, 68-69. Historical geography of Latin America and the western Mediterranean; urban geography; distribution and economic significance of the wine-vine in the countries of Mediterranean Europe. Address: Dept. of Geography & Area Development, University of Arizona, Tucson, Ariz. 85719.
- STANISLAWSKI, DR. MICHAEL B, b. Berkeley, Calif, June 17, 36; m. 58. ANTHROPOLOGY. B.A. Stanford, 58; Ph.D.(anthrop), Arizona, 63. ASST. PROF. ANTHROP, Kansas State, 63-67; OREGON, 67- Fel. Anthropol. Asn; Soc. Am. Archaeol; Ethnol. Asn. Archaeology and ethnography of North America and Mesoamerica, particularly the American Southwest and central and northern Mexico; culture change studies; material culture and social organization. Publ: Extended burials in the prehistoric Southwest, Am. Antiq, 61; Mesoamerican influences in northeastern Arizona, Proc. 36th Int. Cong. Americanists, 66. Address: Dept. of Anthropology, University of Oregon, Eugene, Ore. 97403.
- STANKIEWICZ, PROF. W(LADYSŁAW) J(OZEF), b. Warsaw, Poland, May 6, 22. POLITICAL SCIENCE. M.A. St. Andrews, 44; Ph.D.(polit. sci), London,

52. Lectr. polit. sci., Polish Univ. Col. London, 47-52; res. assoc., Mid-European Studies Center, N.Y., 52-54; vis. fel., Center int. studies, Princeton, 54-55; economist, dept. econ., Govt. of Ont., 56-57; asst. prof., POLIT. SCI., BRITISH COLUMBIA, 57-61, assoc. prof., 61-65, PROF., 65- Summers, sr. economist, Govt. of Ont., 58, 59, vis. lectr., Toronto, 59. Polish Army, 40-47. Polit. Sci. Assn; Soc. Polit. & Legal Philos.; Can. Polit. Sci. Assn. Political theory and institutions; international politics and economic development; public philosophy; British government. Publ: Co-auth., Institutional changes in the postwar economy of Poland, Mid-European Studies Center, 55; auth., Politics & religion in 17th-Century France, Univ. California, 60; ed., Political thought since World War II, Free Press of Glencoe, 64. Address: Dept. of Political Science, University of British Columbia, Vancouver 8, B.C. Can.

STANLEY, DR. EMILO J(OSEPH), b. Požarevac, Yugoslavia, Jan. 13, 24; nat; m. 56; c. 4. GEOGRAPHY. B.A., Michigan, 55, M.A., 57, fel., 57-58, Ph.D.(geog.), 67. Instr. geog., San Diego State Col., 58-59; Beloit Col., 59-60, asst. prof., 60-64; polit. geog., Pitzer Col. & Claremont Grad. Sch., 64-67; coordinator comput.-assisted ed. curriculum prog., statewide air pollution res. center, California, Riverside, 67-68, PROJ. DIR., COMPUTER-ASSISTED LEARNING CURRICULUM PROG., COMPUTER FACILITY, CALIFORNIA, IRVINE, 68- Proj. dir., U.S. Pub. Health Serv., 67-71. Consult., for. demog. anal. div., U.S. Bur. Census, 65. AAAS; Asn. Am. Geog.; Geog. Soc.; Asn. Comput. Mach.; Air Pollution Control Assn. Research, development and international applications of computer-assisted instruction in air pollution and geography; political and economic geography of the Soviet Union and Yugoslavia. Publ: Regional distribution of Soviet industrial manpower: 1940-60, Praeger, 67. Address: Computer Facility, University of California, Irvine, Calif. 92664.

STANLEY, PROF. JOHN D(EANE), b. King's County, N.Y., Nov. 12, 24; m. 51; c. 2. BUSINESS ADMINISTRATION. A.B., Harvard, 48; M.B.A., Indiana, 50, D.B.A.(mgt), 54. Asst., Indiana, 52-53; asst. prof. mgt., Arkansas, 53-55; bus. orgn. & finance, Buffalo, 55-58; assoc. prof. mgt., Rochester, 58-63; PROF. BUS. ADMIN. & HEAD DEPT., TEXAS, ARLINGTON, 63- U.S.A., 43-45, 51-52, Capt. AAAS; Econ. Assn; Finance Assn; Inst. Mgt. Sci. Organizational and decision theories; informal organization. Publ: General staff: an analysis of its effectiveness, J. Acad. Mgt.; Management games, Personnel J.; Group influence on technological and organization change, Adv. Mgt. Address: Dept. of Business Administration, University of Texas at Arlington, Arlington, Tex. 76010.

STANLEY, DR. JOHN L(ANGLEY), b. Boston, Mass., Nov. 16, 37; m. 64; c. 1. POLITICAL SCIENCE. A.B., Kenyon Col., 60; Cambridge, 60-61; Ph.D.(polit. sci.), Cornell, 66. ASST. PROF. POLIT. SCI., CALIFORNIA, RIVERSIDE, 65- Haynes Found. summer fel., 67. Polit. Sci. Assn; Acad. Polit. Sci. History of American politics; American government, especially historical voting patterns; political theory and philosophy, especially modern political theory. Publ: Ed. & co-transl., The illusion of progress, Univ. California, 69; auth., Majority tyranny in Tocqueville's America: the failure of Negro suffrage, Polit. Sci. Quart., (in press). Address: 391 Two Tree Rd, Riverside, Calif. 92507.

STANLEY, PROF. JULIAN C(ECIL), JR., b. Macon, Ga., July 9, 18; m. 46; c. 1. EDUCATIONAL PSYCHOLOGY. B.S., Ga. South. Col., 37; Ed.M., Harvard, 48, Ed.D.(ed. psychol.), 50. Instr. ed., Harvard, 48-49; assoc. prof. ed. psychol., Peabody Col., 49-53; ed., Wisconsin, 53-57, prof., 57-62, prof. ed. psychol. & dir. lab. exp. design, 62-67, chmn. dept. ed. psychol., 62-63; PROF. ED. & PSYCHOL., HOPKINS, 67- Soc. Sci. Res. Coun. fel., Michigan, 55; fel. statist., Chicago, 55-58; Fulbright res. scholar, Louvain, 58-59; fel., Center Adv. Study Behav. Sci., 65-67. Chmn. cmt. aptitude tests, Col. Entrance Exam. Bd., 65-68. C.W.S., U.S.A., 42-45. Fel. AAAS; fel. Psychol. Assn; fel. Statist. Assn; Coun. Measurement in Ed.(pres., 63-64); Ed. Res. Assn.(pres., 66-67). Publ: Measurement in today's schools, Prentice-Hall, 4th ed., 64; co-auth., Experimental and quasi-experimental designs for research, 66 & ed., Improving experimental design and statistical analysis, 67, Rand McNally. Address: Dept. of Education, Johns Hopkins University, Baltimore, Md. 21218.

STANLEY, DR. MANFRED, b. Berlin, Germany, Nov. 19, 32; U.S. citizen; m. 62. SOCIOLOGY, POLITICAL SCIENCE. B.A., City Col. New York, 54; Nat. Inst. Ment. Health fel., N.Y. Univ., 61-62, Ph.D.(sociol.), 65. Res. assoc. SOCIOL., E.African Inst. Soc. Res., 60-61; ASST. PROF., Wagner Col., 62-67; SYRACUSE, 67- Sociol. Assn; Polit. Sci. Assn; African Studies Assn; Soc. Sci. Study Relig. Sociological theory with special reference to religion; emergent intelligensias; social change agents like transferred institutions, schools, missions; large-scale modernization and social planning. Publ: Social development as a normative concept, J. Developing Areas, 4/67; The turn to violence: a sociological view of insurgency, Inf. J. Comp. Sociol., 9/67; Modernization as the transformation of human status in sub-Saharan Africa, Centennial Rev., 9/67. Address: Dept. of Sociology, Syracuse University, Syracuse, N.Y. 13210.

STANLEY, DR. R(AYMOND) W(ALLACE), b. Allahabad, India, Oct. 9, 16; U.S. citizen; m. 49; c. 1. GEOGRAPHY. A.B., Chicago, 41, M.A., 47; Ph.D.(geog.), California, Los Angeles, 54. Asst. prof. GEOG., Peabody Col., 47-50; Instr., Fresno State Col., 53-54; ASST. PROF., Bradley, 54-56; SAN JOSE STATE COL., 56- U.S.N.R., 41-46. Asn. Am. Geog.; Nat. Coun. Geog. Ed. Political geography; South America. Publ: Co-auth., Map usage, 64 & Global understanding, 64, McCutchan. Address: 1177 Husted Ave, San Jose, Calif. 95125.

STANLEY, PROF. RICHARD L(EE), b. Los Angeles, Calif., Aug. 4, 27; m. 53; c. 3. ECONOMICS, LAW. B.Sc., Salmon P. Chase Col., 50, J.D., 55; M.B.A., Xavier (Ohio), 54. Bus. mgr., Salmon P. Chase Col., 51-54, Instr. acct., 52-54, dean sch. commerce, 54-62, prof. econ., 57-62, prof. law & asst. dean sch. law, 60-62; lectr., OHIO STATE, 62, assoc. prof. acct. col. commerce, 62-64, chmn. dept. prod. defense mgt. center, 65-67, PROF. CONTINUING ED., COL. ADMIN. SCI. & ASST. DIR. DEFENSE MGT. CENTER, 67- U.S.A., 44-47, Sgt. Econ. Assn; Am. Acct. Assn; Bar Assn. Government contract administration; business and government relations. Address: 1886 Southlawn Dr., Fairborn, Ohio 45324.

STANLEY, DR. WALTER C(ZEHURA), Psychol., see 11th ed, Phys. & Biol. Vols.

STANLEY, PROF. WILLIAM O(LIVER), JR., b. Sedalia, Mo., Oct. 26, 02; m. 33; c. 1. SOCIOLOGY. A.B., Baker, 28; summers, Colorado, 27, 34, Chicago, 28-29; A.M., Columbia, 38, Ph.D.(philos. of ed.), 51. From asst. to instr. philos. of ed., teachers col., Columbia, 35-39; asst. prof. philos. & psychol., Madison Col., 39-42; ed. psychol. & philos. of ed., ILLINOIS, URBANA, 42-51, assoc. prof. PHILOS. OF ED. & ED. SOCIOL., 51-54, PROF., 54-, chmn. div. soc. found. ed., 54-65. Lectr., seminar Am. studies, Kyoto & Doshisha Univ., Japan, 52. Editor, Ed. Theory, 65- Sociol. Assn; Philos. Assn; Philos. Ed. Soc.(secy-treas., 47-49, pres., 54). Theory of knowledge in relation to educational theory; theory of ethics in relation to educational theory; relation between school and society. Publ: Education and social integration, Teachers Col. Press, 53; co-auth., Fundamentals of curriculum development, Harcourt, 50 & 57; Social foundations of education, Holt, 58. Address: College of Education, University of Illinois, Urbana, Ill. 61801.

STANLY, DR. THOMAS JACKSON, b. Leesville, La., Aug. 8, 26; m. 48; c. 4. AGRICULTURAL ECONOMICS & EDUCATION. B.S., La. State, 47, M.S., 48, Ph.D.(agr. ed.), 56. Instr. vet. training, parish sch. bd., La., 47, parish supvr., 47-48; head dept. agr., NICHOLLS STATE COL., 48-57, DEAN DIV. APPL. SCI., 57- U.S.N., 44-46. Econ. Assn. Libraries; administration of higher education. Publ: Where do we go from here?, Agr. Ed. Mag., 52; Basic science requirements in agriculture curricula, 3/61 & A selected bibliography for an undergraduate college agricultural library, 12/62, J. Nat. Assn. Col. & Teachers Agr. Address: Division of Applied Sciences, Nicholls State College, Thibodaux, La. 70301.

STANNERS, DR. ROBERT FRANCIS, b. Feb. 24, 33; U.S. citizen; m. 59; c. 2. PSYCHOLOGY. B.S., Wisconsin, Milwaukee, 59; Ph.D.(psychol.), Iowa, 63. Asst. prof. PSYCHOL., Washburn, 62-65, ASSOC. PROF., 65-66; OKLA. STATE, 66- Res. consult., Menninger Found., Topeka, Kans., 62-66; Topeka Vet. Admin. Hosp., 62-66; Hissom Mem. Center, Okla., 66- U.S.A., 53-55. Psychol. Assn; Psychonomic Soc. Verbal behavior; psycholinguistics; memory. Publ: Interference effects in paired-associate learning produced by a first-order and second-order conditioning paradigm, J. Verbal Learning & Verbal Behav., 65; Similarity among the implicit stimuli and responses in mediated paired-associate learning, Psychonomic Sci., 66; Developmental changes in the recognition of beginning segments of English words, J. Ed. Psychol., 67. Address: Dept. of Psychology, Oklahoma State University, Stillwater, Okla. 74074.

STANSBURY, DR. PAUL W(ILLIAM), Psychol., see 10th ed, Soc. & Behav. Vols., deceased 64.

STANSFIELD, DR. CHARLES A., b. Philadelphia, Pa., Apr. 16, 37; m. 61; c. 1. GEOGRAPHY. B.S., West Chester State Col., 59; M.S., Pa. State, 61; Andrew Mellon fel., Nat. Acad. Sci. grant, & Ph.D.(geog.), Pittsburgh, 65. Asst. prof. GEOG., Delaware, 65-66; ASSOC. PROF., GLASSBORO STATE COL., 66- Asn. Am. Geog. Geography of recreation, especially of resort towns. Publ: A note on the urban-nonurban imbalance in recreational research, 64 & Measurement of recreational functions of American metropolitan areas, 65, Revue de Tourisme. Address: Dept. of Geography, Glassboro State College, Glassboro, N.J. 08028.

STANTON, DR. ALFRED H(ODGIN), Psychiat., see 11th ed, Phys. & Biol. Vols.

STANTON, PROF. BERNARD F(REELAND), b. Westerlo Twp., N.Y., Aug. 3, 25; m. 55; c. 3. AGRICULTURAL ECONOMICS. B.S., Cornell, 49; M.S., Minnesota, 50, Ph.D.(agr. econ.), 54; dipl., Oxford, 51. Instr. econ., Minnesota, 51-53; asst. prof. FARM MGT., CORNELL, 53-56, assoc. prof., 56-62, PROF., 62-, HEAD DEPT., 68- Anal. statistician, agr. mkt. serv., U.S. Dept. Agr., 60; Fulbright res. award, Helsinki, 66-67. Am. Agr. Econ. Assn; Int. Assn. Agr. Econ. Farm management; production economics, statistics and price analysis. Address: 10 Lakeview Dr., Ludlowville, N.Y. 14862.

STANTON, DR. ERWIN S., b. May 23, 30; m. 54; c. 1. INDUSTRIAL & PERSONNEL PSYCHOLOGY. B.A., Queens Col.(N.Y.), 52; A.M., N.Y. Univ., 53; Ph.D., Columbia, 58. Personnel mgr., Arwood Corp., 52-54; asst. personnel dir. & staff psychologist, United Merchants & Mfrs., Inc., 54-65; V.PRES. & GEN. MGR., McMURRAY CO. N.Y., 65- Lectr., City Col. New York, 59-, adj. assoc. prof., 66- Private practice, 60- Psychol. Assn; Acad. Mgt. Application of psychology to business and industry; executive training and development; morale and motivation; leadership in industry; employment; testing; personal counseling; college teaching; management and organization consulting. Publ: Company policies and supervisors' attitudes toward supervision, J. Appl. Psychol.; Which approach to management: democratic, authoritarian or—? Personnel Admin. Address: 1496 Gaston St., Wantagh, N.Y. 11793.

STANTON, FRANK, b. Muskegon, Mich., Mar. 20, 08; m. 31. PSYCHOLOGY. B.A., Ohio Wesleyan, 30; M.A., Ohio State, 32, Ph.D.(psychol.), 35. Mem. psychol. faculty, Ohio State, 31-35; mem. res. staff, COLUMBIA BROADCASTING SYST., INC., 35-38, dir. res., 38-42, advert., 41-42, v.pres. & gen. exec., 42-46, gen. mgr., 45-46, PRES., 46- Assoc. dir. off. radio res., Princeton, 37-40; dir., Columbia Broadcasting Syst., Inc.; Lincoln Center Performing Arts, Inc.; Pan Am. World Airways, Inc. Trustee, Center Adv. Study Behav. Sci., Inc., 52-, chmn. bd., 52-60; trustee, Rand Corp., 56-, chmn. bd., 61-67; trustee & mem. exec. cmt., Rockefeller Found., 61-; trustee, Carnegie Inst.; Washington Univ. Mem. adv. cmt. off. radio res., Columbia, 40-44, gov. cmt. bur. appl. soc. res., 44-56; Bus. Coun., 56-; bus. adv. coun., Dept. Commerce, 56-60, v.chmn., 59, mem. exec. cmt., 57-59, cmt. world econ. practices, 58-59; adv. panel, Security Resources Panel, 57; chmn., U.S. Adv. Cmn. Info., 63-; President's Gen. Adv. Cmt. on For. Assistance Progs.; bd. visitors, Air Force Sys. Command; adv. cmt. prod. tech. & society, Harvard; mem., N.Y. State Coun. Arts. Parlin award, Am. Mkt. Assn, 56; trustees award, Nat. Acad. TV Arts & Sci., 59; George Foster Peabody award, Grady Sch. Journalism, Univ. Georgia, 59, 60, 61 & 64; spec. honor award, Am. Inst. Architects, 67. Fel. AAAS; fel. Am. Acad. Arts & Sci;

fel. Psychol. Asn; Inst. Elec. & Electronics Eng; Coun. For. Rels. Audience measurement; opinion research. Address: Columbia Broadcasting System, Inc, 51 W. 52nd St, New York, N.Y. 10019.

STANTON, DR. HAZEL M(ARTHA), Psychol, see 10th ed, Soc. & Behav. Vols. Latest known address: 15675 S.W. Queen Victoria Pl, Portland, Ore. 97223.

STANTON, PROF. JEANNETTE ELIZABETH, U.S. citizen. PSYCHOLOGY. A.B. Wesleyan Col, 41; dipl. radiography, Emory, 42; M.A. Ohio State, 47, Ph.D.(psychol), 51. Asst. prof. PSYCHOL, OHIO WESLEYAN, 52-55, assoc. prof, 55-58, PROF, 58-, consult, Upward Bound Prog, 67. Vis. assoc. prof, psychol, Ohio State, 55-60 & 62-63, assoc. prof. res, 55-, dir. & consult, child study center, 55-60; vis. prof, Colorado, 64. Consult, State Dept. Ed, Ohio, 60-61. U.S.N. Lt.(jg). AAAS; Psychol. Asn; Asn. Ment. Deficiency; Int. Asn. Geront. Exceptional children; development of instrument for early identification of the gifted child; measurement of creativity in children. Publ: Co-auth, Factors involved in the educational placement of mentally retarded children, 59 & An additional phase of factors involved in the educational placement of mentally retarded children, 61, Ohio State Univ; auth, Educational placement of the mentally retarded child, Am. J. Ment. Deficiency, 63. Address: Dept. of Psychology, Ohio Wesleyan University, Delaware, Ohio 43015.

STANTON, DR. JOHN M(ICHAE), b. New York, N.Y., June 23, 15; m. 49; c. 3. PSYCHOLOGY. B.A., Fordham, 36, M.A., 49, Ph.D., 55. Trainee clin. psychol, Vet. Admin, 46-49; parole officer, STATE DIV. PAROLE, N.Y., 49-54, sr. parole officer, 54, asst. dir. field serv, 54-57, DIR. RES, 57- U.S.A., 41-45. Psychol. Asn. Personality make up and behavior of criminal offender; parole supervision and rehabilitation of criminal offender. Publ: The typical parolee & Arrest experiences of New York state parolees, Am. J. Correction; Why do parolees fail on parole?, N.Y. State Div. Parole. Address: 90 Elmsmere Ave, Elmsmere, N.Y. 12054.

STANTON, PROF. RALPH G(ORDON), Math, see 11th ed, Phys. & Biol. Vols.

STANTON, PROF. WILLIAM F, Econ, Law, see 10th ed, Soc. & Behav. Vols.

STANTON, PROF. WYLLYS G(ANNETT), b. St. Louis, Mo, July 4, 04; m. 27; c. 1. INDUSTRIAL ENGINEERING & PSYCHOLOGY. B.Sc. Yale, 26, M.Sc. Washington (St. Louis), 36; Ohio State, 46-49 & 67-68, Nat. Sci. Found. & W. Alton Jones Found. grants, 67. Plant engr, Ames Shovel & Tool Co, 26-27; jr. acct, Price, Waterhouse & Co, 27-28; rate engr, Union Elec. Co, Mo, 28-29; salesman & appraiser, various companies, 29-33; planning chief, St. Louis Farm Credit Admin, 33-40; Ralston Purina Co, 40-41; assoc. prof. indust. eng, Ohio State, 45-50; prof, Alabama, 52-54; Buffalo, 54-56; training dir. ed, Curtiss-Wright Corp, 56 & 57; PROF. INDUST. ENG, ALABAMA, 58- Vis. prof, State Univ. N.Y. Sch. Indust. Rels, Cornell, 55; Ga. Inst. Tech, 65; dir, NASA res. proj. simplicity in design, 66-68. Consult. indust. engr, 59- Ord. Dept. U.S.A., 26-46, Lt. Col. Fel. Inst. Indust. Eng; Nat. Soc. Prfnl. Eng. Manufacturing processes; personnel psychology; statistics; operations research. Publ: Teaching statistics to engineers, J. Eng. Ed; The industrial engineer as a professor & Professionalism in engineering, J. Indust. Eng. Address: Dept. of Industrial Engineering, University of Alabama, University, Ala. 35486.

STAPLES, DR. ETHEL J(ANES), b. Brooklyn, N.Y., Mar. 9, 12; m. 36; c. 2. CLINICAL PSYCHOLOGY. B.S. N.Y. Univ, 49, M.A., 51, Ph.D., 58. Teacher, Franklin Square Sch. Dist. 32-42, 47-50, psychometrist, 50-52; CHIEF PSYCHOLOGIST, E. WILLISTON PUB. SCHS, 52-; LECTR. PSYCHOL, SCH. ED, N.Y. UNIV, 55, 58- Private practice, 53-; assoc. grad. div, Adelphi Col, 59- Consult, Jack & Jill Nursery Sch, 53-58. AAAS; Psychol. Asn. Group psychotherapy with adolescents. Publ: I.O.'s in use & What are those inkblots, N.Y. State Ed. J. Address: 300 Pine St, Freeport, N.Y. 11520.

STAPLES, PROF. RUTH, b. Westborough, Mass, Dec. 22, 89. PSYCHOLOGY. B.Sc. Minnesota, 22, Laura Spelman Rockefeller scholar, 28-29, Ph.D., 30; M.A. Columbia, 26. Instr. home econ, NEBRASKA, 22-27, asst. prof, 27, assoc. prof. HOME ECON. & PSYCHOL, 27-52, prof, 52-56, EMER. PROF, 56- Psychol. Asn; Home Econ. Asn; fel. Soc. Res. Child Develop; fel. Geront. Soc. Child development; later maturity. Publ: Responses of infants to color, J. Exp. Psychol; Use of color in finger painting, Child Develop; Appreciations and dislikes regarding grandmothers, J. Home Econ. Address: 280 Baxter Blvd, Portland, Maine 04101.

STAPLEY, PROF. VIRGINIA MESSENGER, b. Basil, Kans, May 30, 00; m. 51; c. 3. PSYCHOLOGY. B.S. Kans. State Col, 22; M.S. Iowa State, 26; summer, Columbia, 34, 58; Ph.D.(child psychol), Iowa, 40. Asst. prof. CHILD DEVELOP, OKLA. STATE, 26-29, assoc. prof, 29-40, PROF, 40-, dir. nursery schs, 26-29, dir. nursery sch-kindergarten labs, 29-65, head dept. family rels. & child develop, 41-63. Coordinator, Fed. Training Proj. Child Care Personnel, 61-65; initiator & dir, Continuing Ed. Prog. Stillwater Adults, 67- Soc. Res. Child Develop. Child psychology; longitudinal comparative study of nursery school and non-nursery school children. Publ: Veteran's families go to school, J. Home Econ; What leaving home means to a small child, In: Childcraft. Address: 27 University Circle, Stillwater, Okla. 74074.

STAPP, PEYTON, b. Hardin, Mo, Feb. 26, 08; m. 40; c. 2. ECONOMICS. A.B. Missouri, 31, M.A. 33; Michigan, 34-36. Economist. Coord. Cmt. Cent. Statist. Bd. & War Progress Admin, 36-38; U.S. Housing Authority, 38-40; War Prod. Bd, 41; from economist to asst. chief off. statist. standards, U.S. Bur. Budget, 42-60, UN regional statistician, 60-62; ASSOC. DIR. STATIST. & ANAL. DIV. RES. GRANTS, NAT. INSTS. HEALTH, 62- U.S. rep. contrib. cmt, Food & Agr. Orgn, UN, 48-51; chief statist. surv. team to Philippines, 55-56; prfnl. lectr, Philippines. Dep. chief statist. mission to Supreme Comdr. Allied Powers, 47. AAAS; Econ. Asn; Statist. Asn. Statistical organization; federal support of research and development. Address: National Institutes of Health, Bethesda, Md. 20014.

STAPP, DR. WILLIAM B, Conserv, see 11th ed, Phys. & Biol. Vols.

STAR, MARTIN LEON, b. Brooklyn, N.Y., May 3, 28; m. 55; c. 1. MATHEMATICAL STATISTICS. B.B.A., City Col. New York, 48; N.Y. Univ. Math.

statist. asst, Aberdeen Proving Grounds, 50-52; qual. control supvr, Sonotone Corp, 52-55; asst. statistician, universal automatic comput. serv. bur, Remington Rand, Inc, 55-56; sys. analyst, Underwood Corp, 56-57; ops. res. consult, Stevens Inst. Tech, 57-58; asst. mgt. programming sect, Teleregister Corp, 58-61; sys. analyst, Nat. Data Processing Center, 61; prog. supvr. on-line banking sys. Nat. Cash Register Co, 61-67; MGR. PROG. APPLN, S.D. LEIDESDORF & CO, 67- U.S.A., 50-52. Statist. Asn; Asn. Comput. Mach. Digital computers; real time systems. Publ: Can you trust your records to an on-line processing center?, Auditgram, 1/67. Address: 180 E. 17th St, Brooklyn, N.Y. 11226.

STAR, DR. SHIRLEY A(NN) (MRS. WINSTON I. BRESLIN), b. Chicago, Ill, Feb. 18, 18; wid. SOCIOLOGY. A.B. Chicago, 39, Ph.D. 50. Sr. analyst, info. & ed. div, U.S. War Dept, 42-46; sr. study dir, opinion & attitude survs, Nat. Opinion Res. Center, 47-60; assoc. prof. ment. hyg, sch. hyg. & pub. health, Hopkins, 61-62; RES. CONSULT, 62-; LECTR. SOCIOL, CALIFORNIA, BERKELEY, 66- Res. assoc, Chicago, 50-60, proj. dir, center urban studies, 64-66. Sociol. Asn; Asn. Pub. Opinion Res; Soc. Study Social Probs. Social research methodology and methods; survey methods; attitudes and modes of thought, especially attitudes toward psychiatry, mental illness and health. Publ: American soldier: adjustment during army life, American Soldier: combat and its aftermath & Measurement and prediction, vols. in Studies in social psychology in World War II. Address: P.O. Box 1063, Berkeley, Calif. 94701.

STARBUCK, PROF. WILLIAM H(AYNES), b. Portland, Ind, Sept. 20, 34; m. 55; c. 3. PSYCHOLOGY, SOCIOLOGY. A.B. Harvard, 56; M.S. Carnegie Inst. Tech, 59, Ph.D.(indust. admin), 64. Instr. indust. mgt. & econ, Purdue, 60-64, asst. prof. admin. sci. & econ, 64-65, assoc. prof, 65-67; PROF. ADMIN. & SOCIOL, CORNELL, 67- Vis. assoc. prof, Hopkins, 66-67; Ed. Admin. Sci. Quart, 66- V. chmn. col. orgn. Inst. Mgt. Sci; mem. res. adv. cmt, U.S. Air Force Personnel Res. Lab, Lackland Air Force Base, Tex, 66- Individual choice and decision behavior; organization theory; administration of universities. Publ: Co-auth, Handbook of organizations, Rand McNally, 65; auth, The efficiency of British and American retail employees, Admin. Sci. Quart, 12/66; co-auth, An experimental study of risk-taking and the value of information, J. Bus, 4/67. Address: Graduate School of Business & Public Administration, Cornell University, Ithaca, N.Y. 14850.

STARCH, DR. DANIEL, b. La Crosse, Wis, Mar. 8, 83; m. 13. PSYCHOLOGY. B.A. Morningside Col, 03, Sc.D., 49; A.M. Iowa, 04, fel, 04-06, Ph.D.(psychol), 06; Harvard, 07-08. Instr. psychol, Iowa, 06-07; exp. psychol, Wellesley Col, 07-08; psychol, Wisconsin, 08-12, asst. prof, 12-17, assoc. prof, 17-20; asst. prof, Harvard, 20-23, assoc. prof, 23-26; FOUNDER, DANIEL STARCH & STAFF, 19-, CHMN, 55- Dir. res. dept, Am. Asn. Advert. Agencies, 24-32. AAAS; fel. Psychol. Asn; Mkt. Asn.(Converse award, 51); Statist. Asn. Learning; measurements of human behavior in marketing and communications; psychometrics. Publ: Educational psychology; Principles of advertising; How to develop your executive ability. Address: Daniel Starch & Staff, Starch Bldg, Mamaroneck, N.Y. 10543.

STARER, DR. EMANUEL, b. New York, N.Y., Sept. 19, 20; m. 47; c. 2. CLINICAL PSYCHOLOGY. B.S. City Col. New York, 41; M.A., N.Y. Univ, 47, Ph.D., 50. Psychologist, Vet. Admin, 47-51; asst. chief, testing & ther, VET. ADMIN. HOSP, Coatesville, Pa, 51-56, staff psychologist, NORTHPORT, 56-60, res. psychologist, 60-62; STAFF PSYCHOLOGIST, 62- Instr. N.Y. Univ, 49-50; Adelphi Col, 61-63. Dipl. Am. Bd. Exam. Prfnl. Psychol, 57. Award, Vet. Admin, 61. U.S.A., 42-45. Psychol. Asn. Psychotherapy techniques and evaluation; etiology of schizophrenia; diagnostic techniques for chronic patients. Publ: Cultural symbolism: a validity study, J. Consult. Psychol; Multiple choice Rorschach technique for increasing test productivity, J. Proj. Tech; Effects of frustration on the nursing process on kittens, J. Genetic Psychol, 64. Address: 5 Zoranne Dr, East Northport, N.Y. 11731.

STARK, DR. EDWARD A(LLAN), b. Glenburn, Pa, Sept. 26, 25; m. 47; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A., Wittenberg Col, 49; M.A., Bowling Green State, 50; Ph.D.(psychol), Ohio State, 55. Instr. psychol, Bowling Green State, 50-51; Heidelberg Col, 54-55; res. scientist, human resources res. off, George Washington, 55-59; eng. psychologist, Link Div, Gen. Precision, Inc, 59-60; staff psychologist, fed. sys. div, Int. Bus. Machine Corp, 60-63; ENG. PSYCHOLOGIST, Bell Aerosystems, Co, 63-66; LINK GROUP, GEN. PRECISION SYSTS, INC, 66- U.S.A.A.F, 43-46. Optical Soc; Psychol. Asn; Ord. Asn. Human factors engineering; sensory psychophysiology; military training research. Address: 13 Lincoln Ave, Montrose, Pa. 18801.

STARK, PROF. HARRY, b. Manchester, Mich, Feb. 13, 95; m. 25; c. 3. INTERNATIONAL ECONOMICS. Dr. Econ, Javerian Univ, Colombia, 45. For. trade rep, Nat. City Bank N.Y., Brazil, 19-20; mgr. Havana off, Am. Protective & Credit Serv. Corp, Cuba, 21-24; resident auditor, Havana Elec. Light & Power Co, 24-28; comptroller, Am. & For. Power Co, Argentina, 28-35; chief proj. auditor, U.S. War Dept, Ga, 40-41; chief Caribbean sect, bur. for. commerce, Wash, 41-42; commercial attaché, U.S. Embassy, Ecuador, 44-46; comptroller, Industrias Unidas, S.A., 45; prof. ECON, MIAMI (FLA), 50-65, EMER. PROF, 65- Creole Petrol. Corp. grant, 56. Guest lectr, Univ. Cuyo, 57. Sr. econ. analyst, U.S. Embassy, Colombia, 44-46; tech. consult, Banco de Venezuela, 47-50. U.S.A., 43-44, Capt. Econ. Asn. Latin American economics. Publ: Social and economic horizons in Latin America; Modern Latin America; New look at the free trade doctrine applied to present day United States. Address: Dept. of Economics, University of Miami, Coral Gables, Fla. 33124.

STARK, DR. ROSEMARY, b. Detroit, Mich, Nov. 9, 21; m. 43; c. 2. CLINICAL PSYCHOLOGY. Ph.B. Detroit, 43, M.A., 53; Ph.D.(clin. psychol), Wayne State, 60. Instr. psychol, Detroit, 54-56; intern clin. psychol, Lafayette Clin, 56-57; psychologist, Psychol. Serv. Center, Detroit, 57-58, dir, 58-64; CHIEF PSYCHOLOGIST, WILLIAM A. WHITE DIV, ST. ELIZABETHS HOSP, D.C., 64- Psychol. Asn; Acad. Psychother. Cerebral pathology; relationship of personality and motivational variables to academic success. Publ: Investigation of unilateral cerebral pathology with equated verbal and visual-spatial tasks, J. Abnorm. & Soc. Psychol. Address: 4925 41st St, N.W., Washington, D.C. 20016.

STARK, DR. STANLEY, b. New York, N.Y., May 3, 28; m. 55; c. 3. **PHILOSOPHICAL PSYCHOLOGY**. B.S.S., City Col. New York, 48, M.S., 49; Ph.D., Cincinnati, 54; M.A., Minnesota, 57. Asst. prof. psychol., Illinois, 57-61; **ASSOC. PROF. MGT.**, MICH. STATE, 62- U.S.A., 54-56. Psychol. Asn.; Sociol. Asn. Creativity; empathy; foresight; intuition; knowledge; leadership; Rorschach test. Publ.: Toward a psychology of knowledge: hypotheses regarding Rorschach movement and creativity, 65, Rorschach movement, fantastic daydreaming and Freud's concept of primary process, 66 & Toward a psychology of knowledge. II Two kinds of foresight and foresight theorizing, 66, Perceptual & Motor Skills. Address: 930 Lilac, East Lansing, Mich. 48823.

STARK, W(ALTER) R(USKIN), b. Washington, Iowa, Mar. 30, 97; m. 23. **ECONOMICS**. A.B., Michigan, 19. Mem. for. staff, Int. Banking Corp., Eng. Japan & China, 20-23; teacher acct., Mich. State Col., 23; mem. staff, div. res. & statist., Fed. Reserve Bd., 23-29; econ. adv., U.S. Dept. Treas., 29-34; economist, Loomis Sayles & Co., Inc., 35-58, v-pres., 58-62, dir., Loomis-Sayles Mutual Fund, 51-67; **ECON. CONSULT.**, 67- Asst. dir. div. res. & statist., Fed. Reserve Bd. & economist, Off. Econ. Stabilization, 42-43. U.S.A., 18. Econ. Asn. Business conditions and prospects; government finance; national economic policy. Address: 45 Garrison Rd., Hingham, Mass. 02043.

STARK, PROF. WERNER, b. Marienbad, Czech, Dec. 2, 09; m. 34. **SOCIOLOGY**. Dr. rer. pol., Hamburg, 34; Dr. jur., Prague, 36; London Sch. Econ., 30-31; Geneva, 33; M.A., Edinburgh, 47. Lectr. soc. legis., Sch. Polit. Sci., Prague, 37-39; guest lectr., econ., Cambridge, 41-42; lectr. soc. theory, Edinburgh, 45-51; reader hist. econ., Manchester, England, 51-63; **PROF. SOCIOLOGY**, FORDHAM, 63- Guest prof., Purdue, 60-61. Mem., Int. Inst. Sociol., 60. British Army, 44-45. Sgt. Sociol. Asn. Social sciences and theory; social philosophy and the history of social and economic ideas. Publ.: Ideal foundations of economic thought; Montesquieu: pioneer of the sociology of knowledge; Sociology of religion, Fordham, Vols. I & II; 66, Vol. III, 67. Address: Dept. of Sociology, Fordham University, Rose Hill Campus, Bronx, N.Y. 10458.

STARKEY, PROF. OTIS P(AUL), b. Buffalo, N.Y., Apr. 14, 06; m. 60. **ECONOMIC GEOGRAPHY**. B.S., Columbia, 27, M.A., 30, Ph.D. (econ. geogr.), 39. Instr. econ. geogr., Pennsylvania, 31-41, asst. prof., 41-42; geogr., Mil. Intel. Serv., U.S. War Dept., 42-45; econ. geogr., For. Liquidation Cmn., U.S. State Dept., 45-46; **PROF. GEOG. INDIANA**, 46- chmn. dept., 46-56. AAAS; Asn. Am. Geogr.; fel. Am. Geogr. Soc.; Nat. Coun. Geogr. Ed. Historical geography of United States and Caribbean area. Publ.: Co-auth., Introductory economic geography, Harcourt, 56; Commercial geography of the Eastern British Caribbean, Indiana Univ., 61; auth., The Anglo-American realm, McGraw, 68. Address: Dept. of Geography, Indiana University, Bloomington, Ind. 47401.

STARKWEATHER, PROF. ELIZABETH KEZIA, b. Knoxville, Tenn., Dec. 12, 14. **CHILD PSYCHOLOGY**. B.A., Brown, 36; M.A., Iowa, 38; fel., Merrill-Palmer Inst., 38-39; Ph.D. (child develop., family rels.), Cornell, 57. Child psychologist, N.H. & Mass., 39-42; Okla. City Child Clin., 43-44; child welfare div., Okla. Dept. Pub. Welfare, 44-54; **ASSOC. PROF. CHILD DEVELOP.**, OKLA. STATE, 57- Mem. Nat. Cmt. Early Childhood Ed.; World Orgn. Early Childhood Ed. Soc. Res. Child Develop.; Orthopsychiat. Asn.; Home Econ. Asn. Development of creative ability in young children. Publ.: Co-auth. The measurement of conforming and nonconforming behavior in pre-school children, Proc. Okla. Acad. Sci., 63 & In: Explorations in creativity, Harper, 67; An exploratory study of preschool children's freedom of expression, Proc. Okla. Acad. Sci., 64; auth., Problems in the measurement of creativity in pre-school children, J. Ed. Measurement, 64. Address: Dept. of Family Relations & Child Development, Oklahoma State University, Stillwater, Okla. 74074.

STARKWEATHER, PROF. JOHN A(MSDEN), Psychol., see 11th ed, Phys. & Biol. Vols.

STARLIGHT, DR. LAWRENCE L, b. New York, N.Y., July 2, 26; m. 52; c. 4. **ECONOMICS**. A.B., Dartmouth Col., 50; A.M., Harvard, 52, Ph.D. (econ.), 57. Int. economist, second secy. & consul., U.S. Dept. State, Wash., D.C. & Manila, Hong Kong & Budapest, 52-62; assoc. prof. econ., Bloomsburg State Col., 62-63; **SR. ECONOMIST**, CONTINENTAL OIL CO., 63- U.S.A.A.F., 45-46, Sgt. International oil industry; foreign trade among the centrally planned economies. Address: 191 Overlook Dr., Greenwich, Conn. 06830.

STARNER, PROF. FRANCES L, b. Forsyth, Mont., Oct. 29, 19. **POLITICAL SCIENCE, PUBLIC ADMINISTRATION**. B.A., Colo. State Col., 46; M.A., California, Los Angeles, 49, Soroptimist Int. fel., 53-54, Fulbright fel., 54-55, Ph.D., Berkeley, 58. Personnel asst., U.S. Naval Air Sta., 49-51; lectr. polit. sci., Philippines, 54-55; assoc., California, Davis, 57-58, acting asst. prof., 58-59; asst. prof. polit. sci. & pub. admin., San Jose State Col., 59-62; Rockefeller lectr. **POLIT. SCI.**, Singapore, 63-64; **ASSOC. PROF. NORTH CAROLINA**, CHARLOTTE, 67- Fulbright res. grant, Manila, 61-62; summer res. asst., Bur. Pub. Admin., California, Berkeley, 60; area studies coordinator & seminar dir., Peace Corps Training Progs., summers, 62 & 66. Correspondent, Far East. Econ. Rev., Hongkong, 63- Asn. Asian Studies; Polit. Sci. Asn. Comparative governments and international relations of Southeast Asia. Publ.: Magsaysay and the Philippine peasantry; General obligation bond financing by local governments: a survey of state controls, Univ. California, 61; Communism in Malaysia: a multifront struggle, In: The communist revolution in Asia, 65, rev. ed., 68. Address: Dept. of Political Science, University of North Carolina, Charlotte, N.C. 28205.

STAROBIN, DR. ROBERT, Am. Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

STARR, DR. ANNA S(PIESMAN), b. Olean, N.Y., Dec. 28, 91; m. 21; c. 2. **PSYCHOLOGY**. A.B., Elmira Col., 13, hon. L.H.D., 34; M.A., Pennsylvania, 20, Ph.D. (psychol.), 23. Probn. officer, Phila. Munic. Court, Pa., 15-20, psychologist, 20-25; lectr. psychol., Rutgers, 29-35, assoc. prof., 35-44, prof. & chmn. dept., 44-56, asst. dir. psychol. & ment. hyg. clin., 29-44, dir., 44-56; **CONSULT. PSYCHOLOGIST**, 56- Dipl., Am. Bd. Exam. Prfnl. Psychol. Fel.

Psychol. Asn. Drawing test for pre-school and elementary school children; diagnostic value of the audio-vocal digit memory span; techniques of differential diagnosis in infants, young children and with mental defectives. Address: 126 Montgomery St., Highland Park, N.J. 08904.

STARR, CHARLES E, JR, Chem. Eng., see 11th ed, Phys. & Biol. Vols.

STARR, PROF. CLARK D(EAN), b. Braham, Minn., June 20, 27; m. 51; c. 3. **SPEECH PATHOLOGY, AUDIOLOGY**. B.A., Hamline, 50; Denver, 52; Ph.D. (pathol., audiol.), Northwestern, 56. Psychologist, State Sch. Boys, Ill., 51-52; speech pathol. & audiol., MINNESOTA, MINNEAPOLIS, 54-56, asst. prof., 56-59, assoc. prof., 59-65, **PROF. SPEECH PATHOL.**, 63-, **DIR. SPEECH & HEARING CLIN. & DIV. SPEECH SCI, PATHOL. & AUDIOL.**, 65- Dir., Am. Bd. Exam. Speech Pathol. & Audiol., 67- U.S.N., 45-46. Psychol. Asn.; Speech & Hearing Asn. Speech and language development; organic and functional voice disorders; evaluation of clinical procedures; cleft palate; communication problems. Address: Speech & Hearing Clinic, University of Minnesota, Minneapolis, Minn. 55455.

STARR, PROF. ISIDORE, b. Brooklyn, N.Y., Nov. 24, 11; m. 40; c. 1. **POLITICAL SCIENCE, EDUCATION**. B.A., City Col. N.Y., 32; LL.B., St. John's, 36; M.A., Columbia, 39; S.J.D., Brooklyn Law Sch., 42; Ph.D. (polit. sci.), New Sch. Soc. Res., 57. Instr., high sch., N.Y., 34-61; lectr. ED., QUEENS COL. (N.Y.), 61-62, assoc. prof., 62-67, **PROF.**, 68- John Hay fel. humanities, 52-53; vis. lectr., grad. faculty, New Sch. Soc. Res., 58-60. Dir. workshop teaching Declaration Independence & Bill of Rights, Lincoln Filene Center, Tufts, 63; Nat. Defense Ed. Act Inst. Hist., Queens Col., 66-67. Pres., Nat. Coun. Soc. Studies, 64. U.S.A., 43-46, 1st Lt. Polit. Sci. Asn.; Hist. Asn. Improving instruction in the law in elementary and secondary schools, especially the Bill of Rights and the law of human rights. Publ.: Human rights in the United States, Oxford, 64; co-ed., The Negro in twentieth century America, Random, 67; auth., The Feiner case: freedom of expression, Encyclop. Britannica, 68. Address: 44-59 Kissena Blvd., Flushing, N.Y. 11355.

STARR, DR. LOUIS M(ORRIS), Hist., Journalism, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

STARR, PROF. MARTIN KENNETH, b. New York, N.Y., May 21, 27; m. 54; c. 2. **OPERATIONS RESEARCH**. B.S., Mass. Inst. Tech., 48; M.S., Columbia, 51, Ph.D., 53. Methods engr., Yale & Towne Mfg. Co., 48-50; officer of instr., dept. indust. eng., Columbia, 50-53; sys. analyst, Bell Tel. Labs., 49; asst. mgr. ops. res., Popular Merchandise Co., 54-56; assoc., Martin K. Starr Assocs., 56-60; assoc. prof. **PROD. MGT, GRAD. SCH. BUS, COLUMBIA**, 60-65, **PROF.**, 65- U.S.N.R., 45-47. Consult. ed., Harcourt, Brace & World, Inc., 63- AAAS; Ops. Res. Soc.; Soc. Gen. Syst. Res.; Inst. Mgt. Sci. (ed-in-chief, Mgt. Sci. Appln., 67-); Asn. for Ed. Int. Bus.; Human Factors Soc. Marketing; operations research; management science; applied decision systems and information management; modular production; technological change and diffusion; synthesis of behavioral and quantitative aspects of management. Publ.: Decision theory and product design, 63, Production management: systems and synthesis, 64 & co-auth., Structure of human decisions, 67, Prentice-Hall. Address: Graduate School of Business, Columbia University, 401 Uris Hall, 116th St. & Broadway, New York, N.Y. 10027.

STARR, DR. R(ICHARD) F(RANCIS) S(TRONG), b. Eau Claire, Wis., Mar. 1, 00; m. 30; c. 1. **SOCIAL ANTHROPOLOGY**. B.S., Cornell, 24; Peking Lang. Sch., 25; Harvard, 26, fel., 31-35; Chicago, 36; N.Y. Univ., 37; A.M., Princeton, 37, Ph.D., 38. Mem. China exped., Harvard, 24-25, registrar, Fogg Art Mus., 25-27, mem. Iraq exped., 27-29, dir., 29-31, mem. exped. to Turkey & dir. exped. to Sinai, 35; mem. Inst. Adv. Study, 35-40; lectr., Princeton, 40-41; exam., State Civil Serv. Cmn., N.J., 41-42; intel. specialist, U.S. Navy, 46-49; for. affairs specialist, U.S. Dept. State, 49-60, intel. res. specialist & socio-econ. br. chief, 61; Mid. East Br. chief U.S. Govt., 61-65; **RETIRED**: Carnegie fel., 37; Guggenheim fel., 38-39. U.S.N.R., 42-46, Capt. Archaeol. Inst. Mid. East. Inst.; Early Am. Indust. Asn. Near Eastern social anthropology; early American arts and crafts. Publ.: Excavations and Proto-sinaitic inscriptions of Serabit El Khadem; Indus Valley painted pottery; Nuzi. Address: P.O. Box 91, Upperville, Va. 22176.

STARR, DR. SELIG, Math., see Suppl V to 11th ed, Phys. & Biol. Vols.

STARY, DR. JAMES E(DWARD), b. Coraopolis, Pa., Apr. 26, 26. **CLINICAL PSYCHOLOGY**. B.S., Georgia, 51, M.S., 54; Ph.D. (clin. psychol.), La. State, 62. Staff psychologist, MISS. STATE HOSP., 53-57, **CHIEF PSYCHOL.**, SERV., 61- Clin. instr., dept. psychiat., sch. med., Mississippi, 62-, instr., exten. div., 63-67; lectr., Miss. Law Enforcement Acad., 67- Consult. psychologist, voc. rehab. div., Miss. State Dept. Ed., 64- Hosp. C., U.S.N., 44-47, 51-52. Psychol. Asn. Psychodiagnostic testing; criminal psychopathology; neuropsychology. Address: Mississippi State Hospital, Box 236, Whitfield, Miss. 39193.

STASCH, DR. STANLEY F(RANCIS), b. Chicago, Ill., Aug. 20, 31. **MARKETING, SYSTEMS ANALYSIS**. B.S.E.E., Notre Dame, 53, M.S.E.E., 57; M.B.A., Northwestern, 61, Ph.D. (mkt.), 64. Elec. engr., Sperry Gyroscope Co., 53 & 56; mkt. mgr., closed circuit tel. dept., comm. div., Motorola, Inc., 57-61; instr. **MKT.**, NORTHWESTERN, 63-64, asst. prof., 64-67, **ASSOC. PROF.**, 67-, sch. bus. res. grant, summers, 66 & 67. U.S.A., 54-56. Quantitative and computer analyses of complex interactive systems in economic and business organizations; computer simulations of innovation diffusion and their analyses. Publ.: Linear programming and space-time considerations in media selection, 12/65 & co-auth., Criteria in factor analysis, 9/67, J. Advert. Res.; auth., The stability of channel systems: two dynamic models, In: Science, technology and marketing, Am. Mkt. Asn., 66. Address: Dept. of Marketing, School of Business, Northwestern University, Evanston, Ill. 60201.

STATON, PROF. THOMAS F(ELIX), b. Ga., Mar. 19, 17; m. 51. **PSYCHOLOGY**. A.B.Ed., Georgia, 35, M.A., 36; fel. & Ph.D. (psychol.), Peabody Col., 49. Counsr., Georgia, 45-46; ed. adv. psychol. & ed., Air Univ., 46-60; **PROF. PSYCHOL. & HEAD DEPT.**, HUNTINGDON COL., 60-; **CONSULT. PSYCHOLOGIST**, 48- Vis. prof., Peabody Col., 51; La. State, 53. U.S.A., 42-45, Capt. AAAS; Psychol. Asn.; Acad. Psychother. Personnel and clinical psychology;

- evaluation. Publ: How to instruct successfully; Dynamics of adolescent adjustment; How to study. Address: P.O. Box 6133, Montgomery, Ala. 36106.
- STAUBER, B(ENJAMIN) RALPH, b. Chicago, Ill, July 25, 03; m. 26; c. 2. ECONOMICS, MATHEMATICS. B.S. State Col. Wash, 26; M.A. Minnesota, 28. Agricultural economist, div. land econ, U.S. DEPT. AGR, 30-37, in charge off. land use coord, 37-42, chief relocation planning div, 42-45, CHIEF AGR. PRICE STATIST. BR, 46- Award, U.S. Dept. Agr, 58. Statist. Asn; Inst. Math. Statist. Agricultural economy and estimates. Publ: Revised price indexes; Agriculture prices and parity; CED award most important economic problem to be faced in U.S. Address: Statistical Reporting Service, U.S. Dept. Agriculture, 14th & Independence, S.W., Washington, D.C. 20250.
- STAUDE, DR. JOHN RAPHAEL, Mod. European Hist, Sociol, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- STAUDINGER, DR. HANS, b. Worms am Rhein, Germany, Aug. 16, 89; nat; m. 12; c. 2. ECONOMICS. Ph.D. Heidelberg, 12. With State Ministry Econ, Germany, 19-27, Prussian Ministry Trade & Indust, 27-33, German Secy. State, 29-33, govt. referee, State Econ. Coun. & German Enquete Cmn, 24-27, mem, Fed. Coun, Germany, 27-33, German Parliament, 32; prof. econ, NEW SCH. SOC. RES, 34-60, ED, SOC. RES, 60-, dean grad. faculty, 41-43, 50-51, 53-60, v.chmn, 44-50, chmn. coun. res, inst. world affairs, 43-53, dir, 51-53. Econ. Asn; Pop. Asn; Am. Geog. Soc. Publ: The individual and society; The state as contractor. Address: Graduate Faculty, New School for Social Research, 66 W. 12th St, New York, N.Y. 10011.
- STAUFFACHER, DR. JAMES C, b. Waterloo, Iowa, Sept. 15, 06; m. 31. PSYCHOLOGY. B.S. Coe Col, 27; Ph.D.(psychol), Chicago, 36. Instr. psychol, Stephens Col, 36-42; chief psychologist, U.S. Dept. Army, Mo, 42-44; chief clin. psychologist, Regional Army Hosp, 44-46, U.S. Disciplinary Barracks, Mo, 46, Vet. Admin. Hosp, Tacoma, Wash, 47-54, chief res. psychologist, Vet. Admin. Cent. Off, Arlington, Va, 55-56, Vet. Admin. Psychiat. Eval. Proj, Exec. Off, 56, CHIEF res. unit, 57, PSYCHOL. SERV, VET. ADMIN. HOSP, AMERICAN LAKE, 58- Dipl, Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn. Evaluation of treatment in mental illness; differences in psycho-physiological response to stress; training in clinical and counseling psychology; personality correlates of professional achievement. Address: 11406 Clover Park Dr. S.W., Tacoma, Wash. 98499.
- STAUFFER, HOWARD C(ARL), b. Old Zionsville, Pa, Sept. 1, 23; m; c. 1. PHARMACEUTICAL CHEMISTRY & MARKETING. B.S. Maryland, 50; Temple, 51-52; Pennsylvania, 54-55. Indust. trainee, labs, dept. res. & develop. div, SMITH KLINE & FRENCH LABS, 50-51, scientist, 51-52, sr. develop. proj. adminstr, 52-57, sr. new prod. adminstr, 57-63, sr. sales trainer, Pa, 63-66, REGIONAL SALES MGR, LOS ANGELES, 66. U.S.N. 42-46. Chem. Soc; Pharmaceut. Asn. Pharmaceutical sales management and training; product development. Address: 20552 Oxnard St, Woodland Hills, Calif. 91364.
- STAUFFER, PRES. JOHN N(USLEY), b. Palmyra, Pa, Mar. 29, 15; m. 38; c. 4. PSYCHOLOGY. B.S. Juniata Col, 36, hon. LL.D, 64; M.A. Pennsylvania, 42; Harvard, 46-47; Ohio State, 49; D.Ed. Pa. State, 56. Teacher, Milton Hershey Sch, Pa, 36-43; sr. psychologist, Pa. Indust. Sch, 43-44; dir. YMCA Counseling Serv, Conn, 44-45; lectr. ed. guid. & asst. dir, vet. guid. center, Harvard, 45-47; asst. prof. psychol, Wittenberg, 47-53, assoc. prof, 53-57, prof, 57-68, dean students, 47-57, dean, 57-63, pres, 63-68; PROF. PSYCHOL. & PRES, JUNIATA COL, 68- Summer mem. grad. faculty, Pa. State, 53. AAAS. Testing; statistics; counseling; learning theory; selection of academic personnel. Publ: Judgments of liberal arts college teachers and deans regarding college teacher qualifications. Address: Juniata College, Huntingdon, Pa. 16652.
- STAUFFER, PROF. ROBERT BURTON, b. Philipsburg, Pa, May 3, 20; m. 45; c. 3. POLITICAL SCIENCE. B.S.Mus.Ed, West Chester State Col, 42; M.S.Mus.Ed, Oklahoma, 45, M.A, 47; Ph.D.(polit. sci), Minnesota, 54. Lectr, POLIT. SCI, Minnesota, 49-50; instr, HAWAII, 50-53, asst. prof, 53-57, assoc. prof, 57-63, PROF, 63- Fulbright vis. prof, Philippines, 63-64. Summers, vis. prof, Oregon, 59, Colorado, 61. Mem, Southeast Asia Develop. Adv. Group, 66- U.S.N.R, 42-46. Polit. Sci. Asn; Asn. Asian Studies; Soc. Appl. Anthropol. Study of causal factors associated with political development. Publ: The development of an interest group, Univ. Philippines, 66; Philippine legislators and their changing universe, J. Polit, 66; A legislative model of political development, Philippine J. Pub. Admin, 67. Address: Dept. of Political Science, University of Hawaii, Honolulu, Hawaii 96822.
- STAUFFER, DR. W(ILLIAM) H(ENRY), b. Pittsburgh, Pa, Dec. 17, 97. ECONOMICS. B.S. & M.S. Virginia, 23, Ph.D. 26. Instr. econ, Virginia, 24-26, assoc. res. prof, 27-29, assoc. prof, Georgia, 26-27; economist, state dept. taxation, Va, 29-37; dir. res. & statist, state unemploy. cmn, 38; state cmmr. pub. welfare, 38-44; dir. res. chamber of commerce, 45-52; dir. country opers. displaced persons div, UN Relief & Rehab. Admin, 44-45; CONSULT. ECONOMIST, GOVT. ORGN. & FISCAL AFFAIRS, 52- Econ. Asn; Pub. Welfare Asn. Social welfare; rural and urban living standards and taxation in Virginia. Address: Box 6263, Richmond, Va. 23230.
- STAUS, DEAN JAMES H(ARTMANN), b. Buchanan Co, Iowa, Apr. 4, 14. ECONOMICS, POLITICAL SCIENCE. A.B. Grinnell Col, 36; M.S. Iowa State, 37; Ph.D., Wisconsin, 45. Asst. prof, Tennessee, 41-46, assoc. prof. ECON. GRINNELL COL, 46-50, PROF, 50-, DEAN COL, 60-, PRO-VOST, 66-, acting pres, 64-65. Exam. & consult, cmm. cols. & univs, N. Cent. Asn. Cols. & Secondary Schs, 66- Mem. exec. cmt, Am. Conf. Acad. Deans, 68- Econ. Asn. Government and business. Publ: Supreme Court and the architects of economic legislation; The entrepreneur: the firm; co-ed, Teaching of elementary economics. Address: Grinnell College, Grinnell, Iowa 50112.
- STAVE, DR. BRUCE M(ARTIN), Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- STAVE, DR. DOUGLAS T, b. Mt. Vernon, Wash, Apr. 17, 31; m. 61; c. 3. PSYCHOLOGY, EDUCATION. B.A. Seattle Pac. Col, 55; M.Ed, Oregon, 59. Ed.D.(ed, psychol), 62. Teacher, elem. sch, Wash, 55-56; prof. Eng, Multnomah Sch. Bible, 56-59; ed, Judson Col, 59-60; Yeotmal Col, India, 63-66; ASST. PROF. psychol, North. State Col, 66-68; PSYCHOL. & ED, PACIFIC LUTHERAN, 68- Radio in education. Publ: Traveler's radio guide, Guide Book Pub, 68. Address: School of Education & Psychology, Pacific Lutheran University, Box 2068, Tacoma, Wash. 98447.
- STAVELY, DR. HOMER EATON, JR, b. Highland Park, N.J., Dec. 27, 39; m. 67. PSYCHOLOGY. B.A. DePauw, 61; Ph.D.(psychol), Princeton, 64. Asst. instr. PSYCHOL, Princeton, 61-63, res. asst, 63-64; ASST. PROF, Hamilton, 64-68; ALBION COL, 68- AAAS. Animal learning and motivation; cognition; social interaction. Publ: Effect of escape duration and shock intensity on the acquisition and extinction of an escape response, J. Exp. Psychol, 66. Address: Dept. of Psychology, Albion College, Albion, Mich. 49224.
- STAVRIANOS, PROF. BERTHA K(ELSO), b. Cambridge, Mass, May 13, 15; m. 40; c. 2. PSYCHOLOGY. A.B. Smith Col, 36, A.M. 38; fel, Columbia, 43-44, Ph.D. 45. Instr. psychol, Smith Col, 38-46; lectr, Roosevelt, 46-48; fel, Northwestern, 48-50, lectr, 50-51; PROF. PSYCHOL, NAT. COL. ED, 51-, dir, guid. center, 54- Acting asst. prof, Stanford, 53-54. Assoc. Psychol. Asn; Soc. Proj. Tech. Perception; learning; scientific method in anthropology; relationship of perceptual problems to reading difficulty in children; learning problems of perceptually handicapped and emotionally disturbed children. Publ: Investigation of sex differences in children as revealed by the Rorschach method; Relation of shape perception to explicit judgements of inclination, Arch. Psychol; Research methods in cultural anthropology in relation to scientific criteria, Psychol. Rev. Address: 219 Lincoln Dr, Glencoe, Ill. 60022.
- STAVSKY, DR. WM. H(AROLD), Psychol, see 10th ed, Soc. & Behav. Vols.
- STEADMAN, DR. ROBERT F(OSTER), b. Hurley, S.Dak, May 31, 04; m. 24; c. 5. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A. Dakota Wesleyan, 23; Ph.D.(polit. sci), Chicago, 28. Instr. prof, Akron, 28-29; asst. prof. polit. sci, Syracuse, 29, prof, 29-46; vis. prof. pub. admin, Nat. Inst. Pub. Affairs, 46-47; soc. sci. adv. President's sci. res. bd, U.S. Govt, 47; prof. govt, Wayne State, 47-48; controller, State Mich, 49-53; chmn. polit. sci, Wayne State, 53-56; v.pres. admin. res, Am. Mgt. Asn, 56-61; econ. adjust. adv, U.S. DEPT. DEFENSE, 61-63. DIR. IMPROV. MGT. IN GOVT. DIV. CMT. FOR ECON. DEVELOP, 63- Polit. Sci. Asn; Soc. Pub. Admin. Metropolitan areas; budgeting; administration of research. Publ: Public health organization in the region of Chicago; Administration for research. Address: Apt. C-609, 1111 Army-Navy Dr, Arlington, Va. 22202.
- STEAMER, PROF. ROBERT J(ULIUS), b. Rochester, N.Y., Oct. 14, 20; m. 47; c. 2. POLITICAL SCIENCE. B.A. Bucknell, 47; M.A. Virginia, 52; Ph.D. (polit. sci), Cornell, 54. Instr. Ogleshorpe, 52-55; polit. sci, Massachusetts, 55-56; assoc. prof. GOVT, La. State, 56-62; PROF. & CHMN. DEPT, LAKE FOREST COL, 62- U.S.A.A.F, 42-46. Polit. Sci. Asn. American constitutional law. Publ: Co-auth, Constitution: cases and comments; auth, Role of the federal district courts in the segregation controversy, J. Polit; Supreme Court and constitutional liberty at mid-century: the 1958-1959 term as a key, Temple Law Quart. Address: Dept. of Government, Lake Forest College, Lake Forest, Ill. 60045.
- STEARNS, DR. PETER N, Mod. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- STEARNS, DEAN (GEORGE) WENDELL, b. Manchester, N.H., July 1, 24; m. 49; c. 5. GUIDANCE, COUNSELING. B.A. New Hampshire, 48; summer, Nottingham, 48; M.S. Wisconsin, 51; Ed.D. Harvard, 47. Instr, high sch, N.H. 48-51; PROF. PSYCHOL. & ED, BERKSHIRE CHRISTIAN COL, 51-. DEAN ADMIN, 57- Mem. bd. christian ed, Advent Christian Church, 65- U.S.N, 43-46, Lt.(jg). Asn. Higher Ed. School and college personnel work; assessment by interview technique; church vocational guidance. Address: 160 Stockbridge Rd, Lenox, Mass. 01240.
- STEBBINS, DR. RICHARD P(ATE), b. Mt. Vernon, N.Y., Jan. 4, 13. INTERNATIONAL RELATIONS. A.B. Harvard, 33, A.M. 35, Ph.D. 40. Asst. hist, Radcliffe Col. & Harvard, 36-38; instr, Northeastern, 40; Soc. Sci. Res. Coun. fel, Inst. Adv. Study, 40-41; res. analyst, sect. chief & br. chief, Off. Coordinator of Info, 41-42; Off. Strategic Serv, 42-45; U.S. Dept. State, 45-49; mem. res. staff, COUN. FOR RELS, 49-62, SR. RES. FEL, 62- Guggenheim fel, 45. Mem. Coun. For. Rels. Hist. Asn. United States foreign policy; history. Publ: United States in world affairs; Documents on American foreign relations; co-auth, The Trollopes, the chronicle of a writing family. Address: Council on Foreign Relations, 58 E. 68th St, New York, N.Y. 10021.
- STEBBINS, DR. ROBERT ALAN, b. Rhinelander, Wis, June 22, 38; m. 64; c. 1. SOCIOLOGY. B.A. Macalester, 61; M.A. Minnesota, 62, Ph.D.(sociol), 64. Assoc. prof. SOCIOL, Presby. Col, 64-65; ASST. PROF, MEMORIAL UNIV, 65- Nat. Guard, 56-64, S/Sgt. Soc. Asn; Can. Sociol. & Anthropol. Asn. Sociology of music; symbolic interactionist social psychology; general sociological theory; deviance. Publ: Class, status and power among jazz and commercial musicians, Sociol. Quart, spring 66; A theory of the definition of the situation, Can. Rev. Sociol. & Anthropol, 8/67; A note on the concept of role distance, Am. J. Sociol, 9/67. Address: Dept. of Sociology & Anthropology, Memorial University, St. John's, Newfoundland, Can.
- STECHLER, DR. GERALD, b. New York, N.Y., Jan. 24, 28; m. 52; c. 2. DEVELOPMENTAL PSYCHOLOGY. Ph.B. Chicago, 46; B.S. Columbia, 51; U.S. Pub. Health Serv. fel, Yale, 52-55, M.S. 53, Ph.D. 56; Boston Psychoanal. Inst, 57. Intern. clin. psychol, Yale, 53-55; asst. PSYCHOL, SCH. MED, BOSTON, 55-59, res. instr, 59-61, res. assoc, 61-63, asst. res. prof, 63-65, ASSOC. RES. PROF, 65-, DEPT. PSYCHOL, UNIV, 65-, lectr, grad. sch, 59-60. Res. assoc. pediat, Boston Lying-in-Hosp, 57-62; U.S. Pub. Health Serv. res. career develop. award, 62-; vis. lectr, Harvard, 67-68. U.S.A., 46-48. Psychol. Asn; Soc. Res. Child Develop. Perceptual and affect-

tive development in infancy; child development. Publ: Sr-auth, Attention in the newborn: effect on motility and skin potential, *Science*, 66; Some observations on attention & arousal in the human infant, *J. Am. Acad. Child Psychiat.*, 66; A viewpoint on early affective development, In: *The exceptional infant*, Spec. Child Publ., 67. Address: Boston University School of Medicine, 80 E. Concord St, Boston, Mass. 02118.

STECKLE, PROF. LYNDE C(HARLES), b. Dalton, N.Y., July 29, 07; m. 32. PSYCHOLOGY. B.A. Miami (Ohio), 33; M.A. Ohio State, 34, Ph.D.(psychol.), 37. Asst. psychol. Ohio State, 34-39; asst. prof. Denison, 39-43, assoc. prof. 43-44, prof. & head dept. 44-48; psychol. consult. Rohrer, Hibler & Replogle, 48-52; partner, William, Lynde & Williams, 52-63; PROF. PSYCHOL., LAKE ERIE COL., 63- Consult. psychologist, William, Lynde & Williams, 63-Dipl. Am. Bd. Exam. Prnl. Psychol. Fel. Psychol. Asn. Development and therapy. Publ: Problems of human adjustment; Man in management. Address: Dept. of Psychology, Lake Erie College, Painesville, Ohio 44077.

STECKLEIN, PROF. JOHN ELLSWORTH, b. Denver, Colo., Nov. 6, 23; m. 52. EDUCATIONAL RESEARCH. A.B. Whittier Col., 44; M.S. Pa. State Col., 47; Ph.D. Wisconsin, 53. Lab. asst. Whittier Col., 43-44; asst. Pa. State Col., 44-47; instr. physics & math, Whittier Col., 47-49; asst. Wisconsin, 50-52; res. assoc. BUR. INSTNL. RES. MINNESOTA, MINNEAPOLIS, 52-53, asst. prof. ED. UNIV., 53-55, assoc. prof. 55-59, PROF., 59-, DIR. BUR., 55-, asst. dir. 53-55. Civilian with Off. Sci. Res. & Develop. Psychol. Asn; Statist. Asn; Psychomet. Soc; Asn. Instrnl. Res.(pres. 65-66). Electronics; factor analysis; development and analysis of tests; design and analysis of education research; evaluation in higher education; international education. Publ: How to measure faculty load; co-auth. Faculty attraction and retention; Intercollegiate athletics and academic progress, *Bur. Instrnl. Res. Univ. Minnesota*, 65. Address: Bureau of Institutional Research, University of Minnesota, 3338 University Ave. S.E., Minneapolis, Minn. 55414.

STECKLER, DR. GEORGE A(LLEN), b. Brooklyn, N.Y., July 20, 25; m. 48; c. 3. CLINICAL PSYCHOLOGY. B.A. Brooklyn Col., 48; Ph.D. Western Reserve, 54. Consult. clin. psychologist, Personnel Res. Inst. Western Reserve, 51-54; CLIN. PSYCHOLOGIST, 55- Sr. psychologist, Cleveland Receiving Hosp., Ohio, 51-53, 55-56; clin. psychologist, Mt. Sinai Hosp., Cleveland, 53-55; sch. psychologist, Bd. Ed. Summit County, 55; supv. psychologist, Fairhill Psychiat. Hosp., 57-61. Consult. Personnel Res. & Develop. Corp. U.S.A. 44-46. Psychol. Asn; Acad. Psychother. Psychotherapy; projective techniques; personality theory. Publ: Authoritarian ideology in Negro college students, *J. Abnorm. & Soc. Psychol.*; Affect of cortisone in treatment of psychotic illness, *J. Clin. & Exp. Psychol.*; EEG and a psychological battery in the diagnosis of organic psychoses, *Diseases of Nervous Syst.* Address: 3587 Washington Blvd, Cleveland, Ohio 44118.

STECKLER, DR. MELVIN JOHN, b. Minneapolis, Minn., Mar. 10, 28; m. 49, 66; c. 4. BUSINESS ADMINISTRATION, BEHAVIORAL SCIENCE. B.S.M.E. Washington (Seattle), 49, M.B.A. 57; Ford Found. fcls, Harvard, 58 & 60, D.B.A. 67. Design engr, L.N. Robertson Co., 49-50; cost engr, Puget Sound Fabricators, Inc., 50-51; develop. engr, Livermore Lab, Calif. Res. & Develop. Corp. & Argonne Nat. Lab., 51-53; refinery engr, Standard Oil Co. Calif., 53-55; instr. bus. admin. Washington (Seattle), 56-57; res. assoc. orgn. behav. Harvard, 58-60; asst. prof. BUS. ADMIN., Kansas, 61-66; AS-SOC. PROF., NAVAL POSTGRAD. SCH., 66- Consult. Ford Motor Co. & Boeing Airplane Co. 56-57; State of Kans., 64; City of Carmel-by-the-Sea, 66. U.S.N. 45-46. Soc. Adv. Mgt. Empirical study of human behavior in formal organizations toward the development of a science of administrative practice, especially problems of introducing organizational changes. Address: Dept. of Business Administration & Economics, Naval Postgraduate School, Monterey, Calif. 93940.

STEDMAN, PROF. LOUISE A(DELIA), Home Econ, see 11th ed, Phys. & Biol. Vols.

STEDMAN, PROF. M(URRAY) S(ALISBURY), JR., b. Pittsburgh, Pa., Dec. 2, 17; m. 42; c. 2. GOVERNMENT. A.B. Williams Col., 39; A.M. Columbia, 40, Ph.D. 47. Lectr. Columbia, 39-41; div. asst. U.S. Dept. State, D.C., 45-46; instr. Columbia, 46-47; asst. prof. Brown, 47-50; govt. Swarthmore Col., 50-52, assoc. prof. 52-57; dir. info. United Presby. Church, 57-60; gen. dir. pub. interpretation, Nat. Coun. Churches, 61-64; PROF. GOVT. & CHMN. DEPT. TRINITY COL.(CONN), 64- Prog. specialist, UNESCO, France, 53-54. Mem. Pub. Affairs Cmt, 60- U.S.A. 41-45, Capt. Polit. Sci. Asn; Soc. Pub. Admin; Acad. Polit. & Soc. Sci. American government, political history and political behavior; public administration. Publ: Religion and politics in America, Harcourt, 64; co-auth. The dynamics of modern government, McGraw, 66; ed, Modernizing American government, Prentice-Hall, 68. Address: Dept. of Government, Trinity College, Hartford, Conn. 06106.

STEDRY, DR. ANDREW CHARLES, b. New York, N.Y., Apr. 14, 36; m. 58. ECONOMICS, INDUSTRIAL MANAGEMENT. B.S. Carnegie Inst. Tech., 56, M.S. 57, Ph.D.(econ), 59. Asst. prof. indust. mgt. Mass. Inst. Tech., 61-64; assoc. prof. indust. admin. Carnegie-Mellon Univ., 64-68; PROF. BUS. ADMIN. & COMPUT. SCI., TEXAS, AUSTIN, 68- Ford Found. award, 59. U.S.A. 59-61, Res. 61-, 1st Lt. Econ. Asn; Am. Acct. Asn; Inst. Mgt. Sci. Budgetary control; goal oriented human problem solving behavior; inventory control. Publ: Budget control and cost behavior; Note on interest rates and the demand for money, *Rev. Econ. & Statist.*; Search-theoretic models of organizational response to budgeted multiple goods, *Mgt. Sci.* Address: College of Business Administration, University of Texas, Austin, Tex. 78712.

STEED, GTEL P, b. Cleveland, Ohio, May 3, 14; m. c. 1. ANTHROPOLOGY. B.A. N.Y. Univ., 38; fel. Columbia, 39-41. Ed. info. Cross-Cultural Index, inst. human rels., Yale, 43; lectr. anthropol. Hunter Col., 45-47; staff consult. res. contemporary culture proj., Columbia, 47-49, dir. contemporary India field proj., 49-54, 55-63; INSTR. ANTHROP. HOFSTRA, 63- Vis. prof. Fisk, 46. Consult. Ford Found. Proj., Brentwood Schs., L.I., 67-68; Prentice-Hall, Inc., 67-68. Ed-in-chief, *Monthly Summary Race Rel.*, 46. Fel. Anthropol. Asn; Ethnol. Soc. India, individual and society; contemporary cultures. Publ: Co-auth. Village India. Address: Dept. of Anthropology, Hofstra University, Hempstead, N.Y. 11550.

STEEDMAN, ELSIE VIAULT, Anthropol, see 10th ed, Soc. & Behav. Vols.

STEEGMANN, DR. A(LBERT) T(HEODORE), JR., b. Cleveland, Ohio, Aug. 15, 36; m. 64; c. 1. PHYSICAL ANTHROPOLOGY. B.A. Kansas, 58; M.A. Michigan, 61, Ph.D.(anthrop), 65. Instr. ANTHROP. Missouri, 64-65, ASST. PROF., 65-66; STATE UNIV. N.Y. BUFFALO, 66- Univ. Missouri Res. Coun. grant, 66; Nat. Sci. Found. res. grant, 67-70. U.S.A.R., 60- Anthropol. Asn; Asn. Phys. Anthropol.; Brit. Soc. Study Human Biol. Human physical and physiological response and adaptation to cold and other extreme environments; racial biology. Publ: Auth. Facial cold response and some variables of facial morphology, 65 & co-auth. Cold modification of cranio-facial morphology, 67, *Am. J. Phys. Anthropol.*; auth. Frostbite of the human face as a selective force, *Human Biol.*, 67. Address: Dept. of Anthropology, State University of New York at Buffalo, Buffalo, N.Y. 14214.

STEELE, DR. ALPHEUS T(HORNTON), b. Lawrence, Kans., 16. BUSINESS ADMINISTRATION. Wichita, 38; A.M. Duke, 40; Ph.D. Iowa, 50. Assoc. dean sch. bus. Western Reserve, 51-54; prod. planning dir. Mead Johnson & Co., 54-58; MEM. STAFF, SANDIA CORP., 58- U.S.N. 42-46. Inst. Mgt. Sci; Asn. Comput. Mach. Management science; management information system. Publ: The probability of human casualties at or near a missile test range, *Proc. Mil. Ops. Res. Soc.*, 10/67. Address: 945A Louisiana Dr. S.E., Albuquerque, N.Mex. 87108.

STEELE, CLARENCE A(TKINSON), b. Brailey, Ohio, Apr. 19, 06; m. 35; c. 4. ECONOMICS. B.S.C.E. Purdue, 29; Ph.M. Wisconsin, 33. Hwy. res. engr-economist, U.S. BUR. PUB. RDS, WASH. D.C., 33-62, dept. chief ECON. & REQUIREMENTS DIV., 62-66; ACTING CHIEF, 66- Mem. dept. econ. finance & admin. Hwy. Res. Bd., Nat. Acad. Sci-Nat. Res. Coun. div. finance tax & cost studies, secy. cmt. hwy. taxation & finance, chmn. cmt. econ. forecasting, liaison rep. adv. panel transportation planning, nat. coop. hwy. res. prog., 63-, mem. cmt. socio-econ. impact hwy., 67-, steering cmt. conf. transportation & community values, 68- Distinguished serv. award, U.S. Dept. Commerce, 58. Highway taxation, economics and finance; engineering economy; transportation. Publ: Characteristics of motor vehicle ownership and use, *Proc. Ann. Meeting Hwy. Res. Bd.*, 1/61; Long-range physical and financial planning for highways, *Bus. & Govt. Rev.*; Social, economic and financial aspects of highway planning, *Report Hwy. Res. Bd. Conf.*, 3/62. Address: 5901 18th St. N., Arlington, Va. 22205.

STEELE, PROF. ELROY J(UNIOR), b. Kirkwood, Ill., Aug. 25, 19; m. 45; c. 3. ECONOMICS. A.B. George Washington, 48; M.A. Iowa, 49, Ph.D. 57. Asst. prof. econ. & bus. admin. Kans. Wesleyan, 50-54; instr. ECON., Iowa, 54-57; assoc. prof. Washburn, 57-61; OMAHA, 61-67, FREDERICK W. KAYSER CHAIR, 67-, CHMN. DEPT., 63- Gen. Elec. Co. fcls, Virginia, 62 & Chicago, 64. U.S.A. 42-46. Econ. Asn. Money and banking. Publ: Essentials of economics. Address: Dept. of Economics, University of Omaha, Omaha, Nebr. 68101.

STEELE, DR. FRED I, b. Kansas City, Mo., Nov. 1, 38. ORGANIZATIONAL BEHAVIOR, SOCIAL PSYCHOLOGY. B.S. Yale, 60; Lipton Co. Lord Heyworth fel. Mass. Inst. Tech., 60-61, Nat. Defense Ed. Act fel., 61-63, Richard D. Irwin Found. fel., 63-64, Ph.D.(orgn. studies), 65. ASST. PROF. ADMIN. SCI., YALE, 64- Assoc. Nat. Training Labs, Inst. Appl. Behav. Sci. Psychol. Asn. Sensitivity training; interpersonal behavior; organizational behavior and organization change; environmental studies. Publ: Co-auth. Interpersonal dynamics, Dorsey, 64 & rev. ed., 68; auth. Interpersonal aspects of architect-client relationships, *Progressive Archit.*, 3/68; Personality and the laboratory style, *J. Appl. Behav. Sci.*, spring 68. Address: Dept. of Administrative Sciences, Yale University, 2 Hillhouse Ave., New Haven, Conn. 06520.

STEELE, DR. H(ENRY) B(INFORD), b. Houston, Tex., May 12, 31. ECONOMICS. B.A. Rice Inst., 53; fcls, Mass. Inst. Tech., 53-55, Ph.D. 57. Swedish-Am. Found. scholar, Stockholm, 51-52; instr. ECON., Mass. Inst. Tech., 55-57; asst. prof. Rice 57-66; ASSOC. PROF., HOUSTON, 66- Resources for the future res. grant shale oil econ., summer, 62. Consult. to various corp. for govt. & U.S. Govt. orgn. 58- Industrial organization and public policy, particularly in petroleum and pharmaceuticals industries; economic theory and taxation analysis; shale oil economics and policy; medical economics, especially drug costs and medical manpower. Publ: Monopoly and competition in the ethical drugs market, *J. Law & Econ.*, 10/62; Economic interpretation of the spatial distribution of physicians in the United States, *S. Econ. J.*, 7/63; Public policy problems of the crude oil industry, *Am. Econ. Rev.*, 3/64. Address: Dept. of Economics, University of Houston, Houston, Tex. 77004.

STEELE, PROF. H(ERBERT) ELLSWORTH, b. Spokane, Wash., June 2, 18; m. 43; c. 3. LABOR ECONOMICS. A.B. Nebraska, 40, A.M. 41; Ph.D. Ohio State, 47. Wage analyst, War Labor Bd. Ohio, 43-45; res. statistician occup. planning bd. Cleveland Welfare Coun., 46; asst. prof. ECON., Toledo, 46-49; assoc. prof. AUBURN, 49-51, RES. PROF., 51-, acting dean, sch. bus., 67-68. Consult. off. manpower policy eval. & res. U.S. Dept. Labor, 66, bur. employ. security, 66-67. Econ. Asn. Impact of industrialization on southern communities; workmen's compensation; personnel practices in the southeast. Publ: Personnel practices in the South, *Indust. & Labor Econ. Rev.*; Earned freedom for management, *Adv. Mgt.*; Compensation for occupational diseases among mine workers, *Ala. Lawyer.* Address: Dept. of Economics, Auburn University, Auburn, Ala. 36830.

STEELE, DR. HOWARD L(OUCKS), b. Pittsburgh, Pa., Jan. 27, 29; m. 52; c. 3. ECONOMICS, MARKETING. B.S. Washington & Lee, 50; M.S. Pa. State, 52; Ph.D.(agr. econ), Kentucky, 62. Asst. mkt. res. Pa. State, 51-52; sales mgr. Greenville Dairy Co., Pa., 52-56, secy. treas. 53-56; asst. agr. res. economist, Clemson, 56-57, assoc. agr. res. economist, 57-64, ASSOC. PROF. AGR. ECON., 58-64; OHIO STATE, 64- Asst. Kentucky, 58-59; vis. prof. Govt. Agr. Col., São Paulo, Ohio State Univ.-U.S. Agency Int. Develop. Contract, 64-66. Agr. mkt. consult. Agency Int. Develop. Brazil Mission, 67. Nat. Forensic award, 46. AAAS; Agr. Econ. Asn; Mkt. Asn. Agricultural, commercial and industrial marketing; demand theory; consumption economics; international agricultural development. Publ: Discussion: use

- of controlled experiments to estimate demand, *Proc. Asn. South. Agr. Workers Annual Convention*, 2/64; On the validity of projective questions, *J. Mkt. Res.* 8/64; *Introdução A Comercialização, Escola Superior De Agricultura Luiz De Queiroz Pub.* Ohio State Univ.-U.S. Agency Int. Develop, Brazil, 7/65. Address: Dept. of Agricultural Economics, Ohio State University, 2120 Fyffe Rd, Columbus, Ohio 43210.
- STEELE, DR. IAN KENNETH, *Brit. Imperial Hist.*, see 5th ed, *Dir. Am. Scholars*, Vol. I, Hist.
- STEELE, DR. JAMES R, b. Portland, Ore, July 27, 28. **PSYCHOLOGY**. B.A., Lewis & Clark Col, 52; M.S., Oregon, 56; U.S. Pub. Health Serv. fel, Washington (Seattle), 59; Ph.D.(psychol), 61. **ASST. PROF.** anthropol, Washington (Seattle), 61-62; **PSYCHOL.** SAN JOSE STATE COL, 62- Nat. Sci. Found. res. grant, 61-62. Soc. Psychol. Study Social Issues; Psychol. Asn. Personality structure; personality defenses; personality processes and political attitudes; comparative personality structure, cross cultural. Publ: *Hysteria and psychasthenia constructs as alternatives to manifest anxiety and conflict free ego functions*, *J. Abnorm. Psychol.* 68. Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 95114.
- STEELE, DR. L(OWELL) W(ESLEY), b. St. Johns, Antigua, B.W.I, Dec. 7, 25; m. 49; c. 4. **INDUSTRIAL ECONOMICS**. A.B. Harvard & Dartmouth Col, 46; M.B.A. Harvard, 48; Ph.D.(indust. econ), Mass. Inst. Tech, 52. Instr. indust. mgt, Boston, 48-50; res. assoc, sch. indust. mgt, Mass. Inst. Tech, 52-53; mem. staff personnel, GEN. ELEC. RES. & DEVELOP. CENTER, 53-64, MGR. RES. & DEVELOP. MGT, 64- Vis. lectr, Leeds, 60. U.S.N., 43-47, Lt.(jg). Industrial research administration. Publ: *Personnel practices in industrial laboratories*, *Personnel*; *Challenge of research management*, *Indust. & Eng. Chem.*; *What's the boss for?*, *Int. Sci. & Tech.* Address: 720 St. David's Lane, Schenectady, N.Y. 12309.
- STEEN, PROF. PAUL T(URE), *Sociol.*, see 10th ed, *Soc. & Behav. Vols.*
- STEPPER, DR. HERBERT F, b. Seattle, Wash, Aug. 22, 32; m. 65. **POLITICAL SCIENCE**. A.B., Stanford, 54; Princeton, 54-55; Nat. Defense Ed. Act fel, Fletcher Sch. Law, 60-63, A.M., 61, M.A.L.D., 62, Ph.D.(for. policy), 67. Intern. Carnegie Endowment Int. Peace, 55; U.S. Dept. State guide, Brussels Int. Expos, 57-58; asst. ed. & pub. welfare, legis. reference serv, Library Cong, 58-59; int. ed, off. ed, U.S. Dept. Health, Ed. & Welfare, 59-60; hist, Tufts, 61-63; instr. GOVT. Smith Col, 63-66; MASSACHUSETTS, AMHERST, 66-67, **ASST. PROF.** 67- U.S.A., 55-57. Polit. Sci. Asn. American diplomatic history and foreign policy; comparative government in Europe; international relations; Africa, politics and parties. Address: 6 Christian Lane, Whately, Mass. 01093.
- STEER, PROF. MAX DAVID, *Speech & Hearing Sci.*, see 11th ed, *Phys. & Biol. Vols.*
- STEERE, DR. GEOFFREY HAZARD, *Am. Studies*, U.S. Hist., see 5th ed, *Dir. Am. Scholars*, Vol. I, Hist.
- STEEVES, DR. ALLAN DANIEL, b. St. John, N.B., Oct. 6, 40. **SOCIOLOGY**. B.S.A., Toronto, 62, M.S.A., 64; Can. Coun. fel. & Ph.D.(sociol, soc. psychol), Mich. State, 67. **ASST. PROF.** RURAL SOCIOLOGY, CORNELL, 67- Soc. Asn.; Rural Sociol. Soc.; Agr. Econ. Asn. Sociology of industry and occupations together with the study of industrialization and modernization; social psychology and methods of social research. Publ: *Co-auth.* *Deprivation, discontent and social movement participation*, *Rural Sociol.* 67. Address: Dept. of Rural Sociology, Cornell University, Ithaca, N.Y. 14850.
- STEFANISZYN, BRONISLAW, b. Poland, Dec. 7, 06. **ANTHROPOLOGY**. Ph.D.(philos), Gregorian Univ, 54; Ph.D.(soc. anthropol), Witwatersrand, 57. Assoc. prof. **ANTHROP.** AFRICAN INST, DUQUESNE, 62-66, **PROF.** 66- Fulbright-Hays fel, 66. Mem. Inst. Soc. Res, Univ. Zambia, 50- Fel. Anthropol. Asn; Int. African Inst; fel. African Studies Asn. Social organization; magic; folklore; primitive mentality. Publ: *Social and ritual life of the Ambo*, Oxford Univ, 64; *Material culture of the Ambo of Northern Rhodesia*, Govt. Printer, Zambia, 64; *Funeral friendship in Central Africa*, Africa, Vol. XX, No. 4. Address: African Institute, Duquesne University, Pittsburgh, Pa. 15219.
- STEFANSSON, DR. VILHJALMUR, *Anthropol.*, *Geog.*, see 10th ed, *Soc. & Behav. Vols.*, deceased 62.
- STEFFENHAGEN, DR. RONALD ALBERT, b. Buffalo, N.Y., Nov. 6, 23; m. 50; c. 3. **MEDICAL SOCIOLOGY, SOCIAL PSYCHIATRY**. B.A. Buffalo, 50, 50-51; Nat. Tuberc. fel, Wayne State, 52-53, M.S.A., 53; univ. fel, Rochester, 58-59; Ph.D.(sociol), State Univ. N.Y. Buffalo, 66. Instr. gen. studies, Rochester Inst. Tech, 55-58; asst. sociol, Rochester, 58-59; asst. prof. gen. studies, Rochester Inst. Tech, 59-65, assoc. prof, 65-66; **ASST. PROF. SOCIOLOGY, VERMONT**, 66- U.S.A.F., 43-46. Sociol. Asn. Psychosomatic aspects of rheumatoid arthritis; use and abuse of drugs in the campus environment and public health experience. Address: Dept. of Sociology & Anthropology, University of Vermont, Burlington, Vt. 05401.
- STEFFLE, PROF. BUFORD (LOUIS), b. Peever, S.Dak, July 19, 16; m. 40; c. 2. **COUNSELING, GUIDANCE**. Ed.D. Southern California, 53. **Suprv. COUNSELING & GUID.** pub. schs, Calif, 50-53, asst. dir, 53-55; from asst. prof. to **PROF.** MICH. STATE, 55- Psychol. Asn; Personnel & Guid. Asn. (ed. Personnel & Guid. J.). School counseling; vocational development. Publ: *Co-auth.* *Administration of guidance services; Pupil personnel and guidance services; Theories of counseling*, McGraw, 65. Address: 1583 Hatch Rd, Okemos, Mich. 48864.
- STEFFY, DR. RICHARD A, b. Reading, Pa, Dec. 11, 36; m. 62; c. 2. **PSYCHOLOGY**. B.A., Albright Col, 58; U.S. Pub. Health Serv. fel, Illinois, 58-59, M.A., 60, Ph.D.(clin. psychol), 63. Psychol. trainee, Vet. Admin. Hosp, Danville, Ill, 61-63, staff psychologist, 63; chief psychologist, Lakeshore Psychiat. Hosp, Toronto, Ont, 63-65 & 66-67, dir. behav. res, 65-66; **ASSOC.**
- PROF. CLIN. PSYCHOL.** WATERLOO, 67- Adj. prof, Waterloo, 63-67. Consult, Lakeshore Psychiat. Hosp, 67- Mem. res. cmt, Ont. Ment. Health Found, 66- Am. Psychol. Asn; Can. Psychol. Asn. Perception and short-term memory; experimental psychopathology and behavior therapy research, particularly with schizophrenic, psychopathic, sexual offender and smoking populations. Publ: *Co-auth.* *Measurement of the severity of disorder in schizophrenia by means of the Holtzman Inkblot Test*, *J. Consult. Psychol.* 61; *Short term perceptual recognition memory for tachistoscopically presented nonsense forms*, *J. Exp. Psychol.* 65; *Sex-linked censure expectancies in process and reactive schizophrenics*, *J. Personality Psychol.* 66. Address: Dept. of Psychology, University of Waterloo, Waterloo, Ont, Can.
- STEFIC, DR. EDWARD C, b. Gloversville, N.Y., Oct. 6, 23; m. 53. **PSYCHOLOGY**. B.S., Union Col.(N.Y.), 47; M.A., Catholic Univ, 50, Ph.D.(psychol), 54. Instr. **PSYCHOL.** CATHOLIC UNIV, 51-56, **ASST. PROF.** 56- Consult, Vet. Admin, 60- U.S.A., 43-45. Psychol. Asn. Personality disorders; psychotherapy; psychodiagnostic testing. Address: Dept. of Psychology, Catholic University of America, Washington, D.C. 20017.
- STEG, DR. DOREEN ETHEL, b. Antwerp, Belgium, Jan. 31, 28; U.S. citizen; m. 47; c. 3. **PHILOSOPHY, EDUCATION**. B.A., N.Y. Univ, 48; M.A., Cornell, 51; Frances Sergeant Pepper fel, Pennsylvania, 57-59, univ. fel, 59-60, Ph.D.(philos. ed), 62. Teaching fel. French lang. & lit, Cornell, 48-51; teacher, elem. sch, 52-54; pub. sch, Pa, 56-59; high sch, 61-62; lectr. philos. & hist. of ed, Temple, 62-63; Nat. Sci. Found. fel, Pennsylvania, 63-64; assoc. prof. philos. & psychol, Glassboro State Col, 64-66; **ASSOC. PROF. HUMAN BEHAV. & DEVELOP. CHMN. DEPT. & DIR. EDISON RESPONSIVE ENVIRON. PROG.** DREXEL INST, 66- Consult, Phila. Bd. Ed, pub. schs, Pa. & adv. Elsemere Proj, Glassboro, N.J. Fel. AAAS; Comp. Ed. Soc; fel. Philos. Ed. Soc; Philos. Asn; Acad. Polit. & Soc. Sci; N.Y. Acad. Sci. Human behavior development; philosophy of education; epistemology; axiology; linguistics; cybernetics; computerized learning. Publ: *Some aspects of teaching and learning*, 64 & *System rules and ethics*, 66, *Philos. of Ed*; *A philosophical and cybernetic model of thinking*, *Int. Asn. Cybernetics*, 67. Address: Dept. of Human Behavior & Development, Drexel Institute of Technology, Philadelphia, Pa. 19104.
- STEGEMAN, DR. WILLIAM H(ENRY), b. N.Mex, Sept. 7, 14; m. 39; c. 1. **PSYCHOLOGY**. A.B., California, Los Angeles, 37; Ed.D., California, 47. Dir. guid, Contra Costa County, Calif, 40-47; prof. ed, Chico State Col, 47-53; dir. res, SAN DIEGO CITY SCHS, 53-62, **ASST. SUPT. CURRICULUM SERV. DIV.** 62- Psychol. Asn. Spelling; school administration and curriculum. Publ: *Measurement and control of forgetting rates in spelling*; *Living in kindergarten*; *Living in the primary grades*. Address: 4835 Bram Ave, Bonita, Calif. 92002.
- STEGEMANN, DR. KLAUS FRIEDRICH, b. Malchin, Germany, Mar. 7, 34; m. 62; c. 2. **ECONOMICS**. Dipl., Saarlandes, 60, Dr.rer.pol.(econ), 65. Trainee, Deutsche Shell A.G., 53-55; res. asst. ECON, Saarlandes, 61-65; vis. asst. prof, QUEEN'S (ONT), 67-68, **ASST. PROF.** 68- Guest, Mass. Inst. Tech, 65 & 66-67, vis. lectr, 66; fels, German Acad. Exchange Serv, 65-66 & German Res. Asn, 66-67. Econ. Asn; German Asn. Pub. Welfare. Behavior of oligopolistic groups; European economic integration; energy markets; competition and integration in the European steel industry. Publ: *Competition and integration in the Common Market (in German)*, Carl Heymanns, Germany, 66; *Workable competition after twenty years*, (in German), Hamburger Jahrbuch, 64; *Three functions of basing-point pricing and article 60 of the ECSC Treaty (in German)*, Kyklos, 67. Address: Dept. of Economics, Queen's University, Kingston, Ont, Can.
- STEGENGA, DR. JAMES A, b. Highland Park, Mich, Mar. 5, 37; m. 59; c. 3. **POLITICAL SCIENCE, INTERNATIONAL RELATIONS**. A.B., Michigan, 59; fel, California, Los Angeles, 65-66, Ph.D.(polit. sci), 66. Fel. Mershon Soc. Sci. Prog, Ohio State Univ, 66-67, asst. prof. **POLIT. SCI.** 66-68; **ASSOC. PROF.** PURDUE, 68- U.S.M.C.R., 54-59; U.S.A., 59-61, Res, 61-65, 1st Lt. Polit. Sci. Asn. United Nations peace-keeping; conflict theory; American foreign policy. Publ: *The politics of military policy*, Security Studies Proj, Univ. California, Los Angeles, 65; *The United Nations force in Cyprus*, Ohio State Univ, 68. Address: Dept. of Political Science, Purdue University, Lafayette, Ind. 47907.
- STEGER, DR. JOSEPH A(LOYUSIS), b. Drexel Hill, Pa, Feb. 17, 37; m. 61. **PSYCHOLOGY, STATISTICS**. B.A. Gettysburg Col, 60; M.S., Kansas State, 63, Dunlop fel. & Ph.D.(psychol), 64. Sr. res. analyst **PSYCHOL.** Prudential Ins. Co. Am, 64-66; **ASST. PROF.** STATE UNIV. N.Y. ALBANY, 66- U.S.A.F.R., 54. AAAS; Psychol. Asn; Statist. Asn; Sci. Res. Soc. Am. Applied experimental psychology; motivation and group dynamics. Publ: *Co-auth.* *The inhibitory effect of a secondary signal following the primary signal to react*, *J. Exp. Psychol.* 62; *auth.* *A simple management game*, *J. Bus. Ed.* 68; *co-auth.* *Thresholds of control-display lag as a function of display movement rates*, *Psychonomic Sci.* 68. Address: Dept. of Psychology, State University of New York, Albany, N.Y. 12203.
- STEGER, DR. W(ILBUR) A, b. New York, N.Y., July 30, 29; m. 49; c. 4. **ECONOMICS**. B.S., Yale, 50; M.S., Harvard, 52, univ. fel, 52-55, Lee Mem. fel, 53, Ph.D.(econ), 55. Sr. res. economist, logistics simulation lab, Rand Corp, 55-62; **PRES.** CONRAD RES. CORP, 63- Econ. Asn; Oper. Res. Soc. Am; Inst. Mgt. Sci; Economet. Soc; Soc. Gen. Syst. Res; Acad. Mgt. Simulation; systems design, analysis, management and cost analysis; logistics and transportation; tax policy. Address: CONRAD Research Corp, 5600 Forward Ave, Pittsburgh, Pa. 15217.
- STEGLICH, PROF. W(INFRED) G(EORGE), b. Giddings, Tex, Sept. 21, 21. **SOCIOLOGY**. A.B. Concordia Sem, 42; fel, Texas, 43-44, A.M., 45, Ph.D., 51. Instr. Texas, 46-48; New Mexico, 48-49; asst. prof. **SOCIOLOGY**, Colo. Agr. & Mech. Col, 49-53, assoc. prof, 53-57; Tex. Tech. Col, 57-59, prof. & head dept, 59-68; **PROF.** & **CHMN. DEPT.** TEXAS, EL PASO, 68- Summer vis. lectr, Texas, 61. Sociol. Asn. Demography; social change; marriage and family. Address: Dept. of Sociology, University of Texas at El Paso, El Paso, Tex. 79999.

STEHRMAN, DR. H(ARRY) ROBERT, b. Lancaster, Pa, Oct. 20, 26; m. 52; c. 3. PSYCHOLOGY, EDUCATION. A.B. Elizabethtown Col, 50; Bethany Biblical Sem, 50-51; M.A. Denver, 56, Ph.D.(counseling psychol), 60. Teacher, pub. schs, Mont, 52-53; elem. teacher, Ind, 53-55; intern psychol, Vet. Admin. Hosp, 60-61, STAFF PSYCHOLOGIST, 61-67; VET. ADMIN. MENT. HYG. CLIN, 67. U.S.N, 45-46. Psychol. Asn. Psychotherapy and psychological counseling; psychodiagnostic testing. Address: 12445 S.E. 25th Place, Bellevue, Wash. 98004.

STEHRMAN, PROF. J(ONAS) WARREN, b. Mountville, Pa, Oct. 13, 87. ECONOMICS. A.B. Lebanon Valley Col, 09; A.M. Pennsylvania, 10; Harvard, 13-15; Ph.D. Chicago, 22. Instr. econ, Colorado, 11-13; lectr, Rochester, 15-16; instr, MINNESOTA, 16-19, asst. prof, 19-23, assoc. prof, 23-28, prof. ECON. & FINANCE, 28-56, EMER. PROF, 56- Vis. prof, Macalester Col, 56-60. Econ. Asn; Finance Asn. Private finance; corporation financial practices. Publ: Financial history of the American Telephone and Telegraph Company. Address: 2333 Priscilla St, St. Paul, Minn. 55108.

STEIGERWALT, DEAN ALBERT KLECKNER, Hist, Econ, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

STEIGMAN, DR. MARTIN J(AY), b. Brooklyn, N.Y, Mar. 19, 34; m. 56; c. 2. PSYCHOLOGY. B.A. Brooklyn Col, 55; M.A. Texas, 58, Ph.D.(psychol), 61. Staff psychologist, Austin State Sch, Tex, 58-61, dir. psychol. serv, 61-66; coordinator outpatient dept. & clin. psychologist, Ill. State Pediat. Inst, Chicago, 66-67; ASST. ZONE DIR. MENT. RETARDATION, CHICAGO-NORTH ZONE, ILL. DEPT. MENT. HEALTH, 67- Asst. prof, col. med, Illinois, 66-; adj. asst. prof, grad. sch, Ill. Inst. Tech, 67- Consult, Univ. Texas, Austin, 63-66; Ill. Asn. Ment. Retarded, 66-; White House Conf. Children & Youth, Ill. Cm. Children, 67-; U.S. Pub. Health Serv, 67- Psychol. Asn; fel. Asn. Ment. Deficiency; Soc. Res. Child Develop. Personality development and learning in children; disorders in learning and behavior in children; mental subnormality. Publ: Co-auth, The effect of pretraining reinforcement schedules on children's learning, 60 & auth, Effects of discrimination conflict upon drive level, as manifested in children's performance, 64, Child Develop; Motivational level, task complexity, and learning in the mentally retarded: an hypothesis, Except. Children, 62. Address: Charles F. Read Zone Center, 4200 N. Oak Park Ave, Chicago, Ill. 60634.

STEIMEL, DR. RAYMOND J(OSEPH), b. Spearville, Kans, June 5, 24; m. 54; c. 3. PSYCHOLOGY. B.S. Kansas, 51, M.Ed, 55, Ph.D. 58. Teacher, high sch, Kans, 51-52; instr, St. Mary Plains High Sch. & Col, 52-55, summer, 57; asst. psychometrist, Kansas, 55, asst. dir. coop. testing serv, 56-58; ASSOC. PROF. PSYCHOL. & COUNSR. PSYCHOL. TESTING, CATHOLIC UNIV, 58- Consult, 61- Psychol. Asn; Personnel & Guid. Asn. Interest development and measurement; psychological testing; adolescent counseling; sociological and psychological problems of adolescents; decision making. Publ: Childhood experiences and masculinity and femininity scores & co-auth, Perceived parental influence and inventoried interests, 10: 289-295, J. Counseling Psychol; The relationship of need hierarchies to inventoried interests, Personnel & Guid. J, 42: 393-396. Address: University Counseling Center, Catholic University of America, Washington, D.C. 20017.

STEIN, ABE BERNARD, b. New York, N.Y, Sept. 16, 10; m. 47; c. 2. PSYCHOLOGY. B.S. Ohio State, 34; M.A. N.Y. Univ, 47; Utah, 50-56. Sr. psychologist, col. med, Utah, 55-60; Utah State Hosp, Provo, 60-62; CLIN. & CONSULT. PSYCHOLOGIST, 62- Ed, Provo Papers. U.S.A, 43-45, Sgt. Psychol. Asn. Publ: Co-auth, Mental health training and research in the western region; Measuring the effectiveness of educational TV, J. Asn. Ed. by Radio-TV; auth, Adolescent participation in community coordinating councils, Nat. J. Ed. Sociol. Address: 3056 S. 2700 East, Salt Lake City, Utah 84109.

STEIN, DR. ALETHA HUSTON, b. Urbana, Ill, May 16, 39; m. 61. PSYCHOLOGY, CHILD DEVELOPMENT. B.A. Stanford, 60; U.S. Pub. Health Serv. fel, Minnesota, 61-65, M.A. 62, Ph.D.(psychol), 65. ASST. PROF. CHILD DEVELOP. & FAMILY RELS, CORNELL, 65- Nat. Inst. Ment. Health grant, 67-68. Psychol. Asn; Soc. Res. Child Develop. Studies of imitation learning; sex-role acquisition; achievement in children. Publ: Identification as a process of incidental learning, J. Abnorm. & Soc. Psychol, 61; Imitative learning under conditions of nurturance and nurturance withdrawal, 64 & Imitation of resistance to temptation, 67, Child Develop. Address: Dept. of Child Development & Family Relationships, MVR, Cornell University, Ithaca, N.Y. 14850.

STEIN, DR. ARTHUR, b. New York, N.Y, Nov. 10, 32; m. 59; c. 1. PSYCHOLOGY. B.A. Brooklyn Col, 53; M.A. Michigan, 54, Ph.D. 58. Instr. psychol, sch. med, Buffalo, 58-62; asst. prof. ed, Queens Col.(N.Y.), 62-64; PSYCHOLOGIST, SYOSSET MED. CENTER, 64- Chief psychologist, child develop. prog, Children's Hosp, 59-62. Supvr, Bleuler Psychother. Center, 65- Psychol. Asn. Address: Syosset Medical Center, 175 Jericho Turnpike, Syosset, N.Y. 11791.

STEIN, DR. BRUNO, b. Vienna, Austria, July 19, 30; nat. ECONOMICS. A.B. N.Y. Univ, 50, A.M., 52, fel, 54-56, Ph.D.(econ), 59. Instr. ECON. N.Y. UNIV, 55-58, asst. prof, 59-63, assoc. prof, 63-68, PROF, 68-, ASST. DIR, INST. LABOR RELS, 63- Instr. grad. sch. bus, Columbia, 58; labor arbitrator. Consult, Virgin Islands Govt, 64; New York City Dept. Hosps, 66 & Dept. Soc. Serv, 67. U.S.A. 52-54. Econ. Asn; Indust. Rels. Res. Asn; Econ. Hist. Asn; Arbit. Asn. Labor and government economic policy during emergencies; arbitration; social insurance; public assistance and income maintenance. Publ: Wage stabilization during the Korean War: the role of the subsidiary wage boards, Labor Hist, spring 63; Loyalty and security cases in arbitration, Indust. & Labor Rels. Rev, 10/63 & N.Y. Law J, 5/64; co-auth, Local manpower date programs: an analysis, N.Y. Univ. Inst. Labor Rels, 66. Address: Dept. of Economics, New York University, New York, N.Y. 10003.

STEIN, DR. DONALD G, b. New York, N.Y, Jan. 27, 39; m. 60; c. 2. PHYSIOLOGICAL PSYCHOLOGY. B.A. Mich. State, 60, M.A. 62; Ph.D.(psychol), Oregon, 65. ASST. PROF. PHYSIOL. PSYCHOL, CLARK, 66- Nat. Insts.

Health fel. neuropsychol. Mass. Inst. Tech, 65-66; U.S. Pub. Health Serv. res. grant, 66-; Nat. Sci. Found. award, 67- AAAS; Psychol. Asn. Biological mechanisms of learning and memory; physiological bases of innate behavior patterns. Publ: Co-auth, Effects of hippocampal lesions and post-trial strychnine administration on maze behavior, J. Comp. Physiol. Psychol, 66; Pemoline levels in brain, Science, 67; auth, Magnesium pemoline: facilitation of learning when administered in pure DMSO, Life Sci, 68. Address: Dept. of Psychology, Clark University, Worcester, Mass. 01610.

STEIN, PROF. EMANUEL, b. New York, N.Y, Oct. 9, 08; m. 34; c. 2. ECONOMICS. B.S. N.Y. Univ, 28, A.M., 30, fel, 30-31, Ph.D., 33. Instr. econ, N.Y. UNIV, 31-38, asst. prof, 38-43, assoc. prof, 43-46, PROF, 46-, HUMANITIES & SOC. SCI, 67-, head dept. econ, 55-67, exec. dir, inst. labor rels. & soc. security, 48-62. Econ. Asn; Indust. Rels. Res. Asn; Acad. Arbit. Labor problems; housing; arbitrator and impartial umpire. Publ: Government and the investor. Address: Dept. of Economics, New York University, Washington Square East, New York, N.Y. 10003.

STEIN, DR. GEORGE H(ENRY), Mod. European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

STEIN, DR. HAROLD, Polit. Sci, see 10th ed, Soc. & Behav. Vols.

STEIN, DR. HARRY, Psychol, see 10th ed, Soc. & Behav. Vols.

STEIN, PROF. HARRY L, b. London, Eng, Dec. 29, 02; m. 29; c. 3. EDUCATIONAL PSYCHOLOGY. B.A. Manitoba, 22, M.A. 35; Ph.D.(ed. psychol), Minnesota, 42. Counsr, Daniel McIntyre Collegiate, Winnipeg, 39-45; assoc. prof. ED. PSYCHOL, Manitoba, 46-48, PROF, 48-56; BRITISH COLUMBIA, 56-, DIR. GRAD. STUDIES, COL. ED, 59- Hon. vis. lectr, Kellogg Found, Alberta, 56; vis. prof, Minnesota & Southern California; Can. Coun. Res. fcls, 64-65 & 68. Consult, Defence Res. Bd, Can, 48-53. Mem. Can. Math. Cong. Dipl. Am. Bd. Exam. Prfnl. Psychol, 52. Can. Army, 40-43. Fel. Am. Psychol. Asn; Math. Asn. Am; Am. Ed. Res. Asn; Can. Psychol. Asn. Teacher training; educational measurement. Publ: Graded series elementary arithmetics; co-auth, Guidance; The guidance worker, Gage, 65. Address: Graduate Division, Faculty of Education, University of British Columbia, Vancouver 8, B.C., Can.

STEIN, DR. HERBERT, b. Detroit, Mich, Aug. 27, 16; m. 37; c. 2. ECONOMICS. A.B. Williams Col, 35; Ph.D.(econ), Chicago, 58. Economist, Cmt. Econ. Develop, 45-48, assoc. res. dir, 48-56, res. dir, 56-66, v.pres. & chief economist, 66-67; SR. FEL, BROOKINGS INST, 67- Fel. Center Adv. Study Behav. Sci, 65-66. Chief econ. consult, Cmt. Econ. Develop, 67. Trustee, Fed. Statist. Users Conf, 57-67, pres, 62. Mem, Univ-Nat. Bur. Cmt. Econ. Res, 55. U.S.N, 44-45, Lt.(jg). Econ. Asn. Fiscal and monetary policy; economic stabilization and growth; taxes; budgeting. Publ: Co-auth, Jobs and markets, McGraw, 48; auth, The fiscal revolution, Univ. Chicago, 69; co-auth, High employment and growth, In: Goals for Americans, Prentice-Hall, 60. Address: 9342 Harvey Rd, Silver Spring, Md. 20910.

STEIN, DR. HERMAN D, b. New York, N.Y, Aug. 13, 17; m. 46; c. 3. SOCIOLOGY, SOCIAL WORK. B.S.S. City Col. New York, 39; M.S. Columbia, 41, D.S.W. 58. Caseworker, New York, 41-43; dir. publ. rels, Jewish Soc. Serv. Asn, 43-45; instr. res, New York Sch. Soc. Work, Columbia, 45-47, asst. prof. soc. work, 50-51; asst. dir, budget & res. dept, Am. Joint Distribution Cmt, France, 47-48, dir, welfare dept, 48-50; consult. admin, Am. Jewish Cmt, 51-52; lectr. soc. work, New York Sch. Soc. Work, Columbia, 53-58, prof, 58-64, dir. res. center, 59-64; prof. soc. work & dean sch. appl. soc. sci, CASE WESTERN RESERVE, 64-68, PROVOST SOC. & BEHAV. SCI, 67- Summers, faculty mem, sch. soc. work, Smith Col, 51-62. Consult, nursing sch, Yale; Mt. Sinai, New York; Albert Einstein Hosp, Phila, Pa, 50-62. Mem, training br. soc. work cmt, Nat. Inst. Ment. Health, 58-62, chmn, 60-62, mem. exp. & spec. training rev. cmt, 67-; UNESCO Meeting of Experts Soc. Sci. in Soc. Work Ed, France, 60; curriculum cmt, Coun. Soc. Work Ed, 60-62, first v.pres, coun, 64-66, pres, 66-; mem. res. adv. panel, welfare admin, Dept. Health, Ed. & Welfare, 64-67, chmn. ad hoc group res. specialists, 66-67; chmn, City of Cleveland Mayor's Cmn. Crisis in Welfare, 68; assoc. World Fedn. Ment. Health. Adv. Ed, Free Press, 64- AAAS; fel. Sociol. Asn; Psychol. Asn; Soc. Study Social Probs; Soc. Psychol. Study Social Issues; Soc. Appl. Anthropol. Asn. Social Workers. Sociocultural aspects of social work practice; organizational theory and administration in social welfare agencies; curricular development in social work education; comparative international developments in social work. Publ: Co-ed, Social perspectives in behavior; ed, Planning for the needs of children in developing countries, UNICEF, 65 & Social theory and social invention, Case Western Reserve Univ, 68. Address: 3211 Van Aken Blvd, Shaker Heights, Ohio 44120.

STEIN, DEAN JAY W(OBITH), b. Sauk Centre, Minn, June 19, 20; m. 53; c. 5. POLITICAL SCIENCE. B.A. Minnesota, 42; M.A. Stanford, 49; M.S. Columbia, 50, Ph.D.(polit. sci), 52; M.A. Syracuse, 60. Asst. prof. soc. studies & librn, Southwestern at Memphis, 54-57; librn, Elmhurst Col, 57-58; asst. dir. libraries, Syracuse, 58-60, admin. assoc. to v.pres. for acad. affairs & lectr, Maxwell Sch. Citizenship & Pub. Affairs, 60-61; asst. to pres, Drake, 61-64; dir, Higher Ed. Facilities Cmn. Iowa, 64-67; PROF. POLIT. SCI. & DEAN ARTS & SCI, WESTERN ILLINOIS, 67- Summer lectr, Columbia, 52, Simmons Col, 53, Southern California, 56, Wisconsin, 57, Syracuse, 58, Pittsburgh, 60, Minnesota, 64. U.S.N, 42-46. AAAS; Polit. Sci. Asn; Library Asn; Soc. Pub. Admin; Nat. Soc. Study Ed; Soc. Adv. Ed; Asn. Higher Ed. Public communications in human relations; political and social theory; educational sociology; administration. Publ: A classification for communications, Sch. Library Serv, Columbia, 52; The mind and the sword: the ideologues, Twayne, 61; The juris doctor, J. Legal Ed, 63. Address: 417 S. Madison, Macomb, Ill. 61455.

STEIN, DR. KENNETH B(EN), b. Detroit, Mich, Feb. 21, 21; m. 51; c. 3. CLINICAL PSYCHOLOGY. B.A. Wayne State, 42; Michigan, 42-43; Ph.D. Kansas, 52. Clin. psychologist, Vet. Admin. Hosp, Topeka, Kans, 47-52; Vet. Admin. Ment. Hyg. Clin, Seattle, Wash, 52-58, San Francisco, 58-62; LECTR. PSYCHOL. & RES. PSYCHOLOGIST, CALIFORNIA, BERKE-

- LEY, 62- Instr. California, 60-61; clin. psychologist, parole outpatient clin. State Dept. Corrections, Calif, 62- U.S.A., 44-46. AAAS; Psychol. Asn. Personality structure and dynamics in relation to perceptual, motor and ideational processes; development of psychotherapeutic model; development & standardization of test for cortical brain damage; adolescent and delinquent personality types. Publ: Perceptual defense and sensitization under neutral and involved conditions; Effect of brain damage upon speed, accuracy and improvement in visual motor functioning; Correlates of ideational preference dimension among prison inmates, Psychol. Reports, 10/67. Address: 3210 Tolman Hall, University of California, Berkeley, Calif. 94704.
- STEIN, DR. LARRY, Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.
- STEIN, DEAN LEONARD SIDNEY, b. Greenville, Miss, Aug. 2, 22; m. 51; c. 3. POLITICAL SCIENCE. Washington (St. Louis), 40-43; A.M. Chicago, 49, Ph.D. (polit. sci), 62. Asst. to dean univ. col. Chicago, 48-49, asst. dir. home study dept, 49-51, dir, 51-62; ASST. PROF. POLIT. SCI. & DEAN METROP. COL. ST. LOUIS, 62- Mem. adv. coun. degree-granting insts. Off. Supt. Pub. Instr. III, 62; Midwest Adv. Cmt. Speakers Serv. for UN, 62-65; adv. cmt. community health serv. proj, George Washington, 63-65; Adv. Coun. on Title I of 1965 Higher Ed. Act, Mo. Cmn. Higher Ed, 66; Drafting Cmt. State Tech. Serv. Act, Off. Gov. Mo, 66; St. Louis Regional Export Expansion Coun, U.S. Dept. Commerce, 66-69; St. Louis Small Bus. Adv. Coun, 67-68. U.S.A., 43-46. Adult Ed. Asn; Asn. Med. Record Librn; Polit. Sci. Asn. Public opinion on foreign policy; adult learning behavior. Publ: Liberal education for adults by mail, In: The Brandenburg memorial essays on correspondence instruction Univ. Wisconsin Exten. Div. Vol. I, 63; The liberal education of the dentist, J. Am. Col. Dentists, 10/64; Reports from the private universities; Saint Louis University, NUEA Spectator, 2-3/66. Address: Dept. of Political Science, St. Louis University, St. Louis, Mo. 63103.
- STEIN, DR. MARVIN, Med, see 11th ed, Phys. & Biol. Vols.
- STEIN, PROF. MAURICE R(OBERT), b. Buffalo, N.Y., Sept. 19, 26; m. 49. SOCIOLOGY, ANTHROPOLOGY. B.A. Buffalo, 49; Soc. Sci. Res. Coun. fel, Columbia, 51-52, Ph.D., 59. Asst. sociol. Buffalo, 47-49; instr. sociol. & anthrop, Dartmouth Col, 52-53; Oberlin Col, 53-55; asst. prof, BRANDEIS, 55-59, assoc. prof, 59-67, PROF. SOCIOL. & CHMN. DEPT, 67- Consult, sch. med, Boston, 60- U.S.A., 44-46. Sociol. Asn. American communities; social psychiatry; sociology of literature; social theory. Publ: Co-ed, Identity and anxiety; Reflections on community studies, Wiley, 64; Sociology on trial, Prentice-Hall, 64. Address: 59 Parker St, Cambridge, Mass. 02138.
- STEIN, PROF. MEYER L, b. Escanaba, Mich, July 30, 20; m. 49; c. 3. JOURNALISM. B.J. Missouri, 42; M.A., Stanford, 61. Reporter-ed, Daily Tribune, Mich, 46-51; reporter-rewrite, San Francisco Examiner, 51-61; ASSOC. PROF. JOURNALISM & CHMN. DEPT, N.Y. UNIV, 61- Consult, Am. Tel. & Tel. Co. U.S.A., 42-45, Sgt. Asn. Ed. in Journalism. Journalism history and principles; role and influence of presidential press secretaries in American history. Publ: Freedom of the press, 66 & Under fire: story of American war correspondents, 68, Messner; Write clearly... speak effectively, Cornerstone, 67. Address: One Morewood Oaks, Port Washington, N.Y. 11050.
- STEIN, DR. MICHAEL BERNARD, b. Oct. 20, 40; Can. citizen; m. 65. POLITICAL SCIENCE. B.A., McGill, 61; Woodrow Wilson fel, Princeton, 61-62, Harold Helm fel, 62-64, M.A., 63, Ph.D. (polit), 67. Asst. prof. POLIT. SCI., Carleton (Can), 65-68; ASSOC. PROF., MCGILL, 68- Res. assoc. center int. studies, Princeton, 67-68; Can. Coun. summer res. grant, 68. Am. Polit. Sci. Asn; Can. Polit. Sci. Asn. Comparative and Canadian politics; political parties and protest movements; ethnic group political participation; federalism and polyethnic societies. Publ: The structure and function of the finances of the ralliement des creditistes, Queen's Printer, Can, 66; Federal political systems and federal societies, World Polit, 7/68. Address: Dept. of Economics & Political Science, McGill University, Montreal 2, Que, Can.
- STEIN, DR. MONROE, b. New York, N.Y., Nov. 28, 20; div. CLINICAL PSYCHOLOGY. B.S., City Col. New York, 48, M.S., 49; Ph.D. (psychol), N.Y. Univ, 55. Psychol. intern, Toledo State Hosp, Ohio, 49-50; chief clin. psychologist, West State Hosp, Ft. Supply, Okla, 52-55; instr. Psychol, Hillcrest Nursing Sch. & chief clin. psychologist, psychiat. clin, Tulsa, 57-58; private practice, 58-62; clin. psychologist, Ment. Health Center St. Clair County, 62-63; chief clin. psychologist, Osawatomie State Hosp, Kans, 63-67; CLIN. DIR, SOUTHEAST KANS. MENT. HEALTH CENTER, HUMBOLDT, 67- Fel, Menninger Found, Kans, 55-57; vis. prof, Phillips, 59-60, consult, grad. sem, 61; lectr, Okla. State, 61; private practice, 63- Mil. Intel, 42-45, Sgt. Psychol. Asn. Diagnostic psychological testing; theories of personality; psychotherapy; community education in mental health problems; role of medical secretary and psychiatric nurse in relation to the patient; clinical training of pre-doctoral psychology students; training of clergymen in pastoral counseling. Publ: Problem-solving and perception; Traumatic war neuroses: a survey of behavior disturbances under combat stress and their prophylaxis and treatment, Neuropsychiatry; Toward an assessment of a volunteer workers program in a mental hospital, Vol. Admin, 67. Address: 201 S. Ninth St, Humboldt, Kans. 68748.
- STEIN, PROF. MORRIS I(SAAC), b. New York, N.Y., June 11, 21. PSYCHOLOGY. B.S., City Col. New York, 40, M.S., 42; M.A., Harvard, 43, Ph.D. (psychol), 49. Asst. psychol. ed. clin, City Col. New York, 40-41; intern, Rockland State Hosp, Letchworth Village, & State Sch. Boys, N.Y., 41-42; asst. psychol. clin, Harvard, 42-43, res. assoc. commn. psychoacoustic lab, 43-44; staff psychologist, Vet. Admin. & Boston Ment. Hyg. Clin, Mass, 47-48; res. assoc. & asst. prof. psychol, Chicago, 48-51, asst. prof, 51-54; assoc. prof, 54-60; PROF. PSYCHOL, GRAD. SCH., N.Y. UNIV, 60-, dir. res. center human rela, 60-63, 66-67. Instr., Wheaton Col. (Mass), 47-48; fel, Center Adv. Study Behav. Sci, 55-56; lectr, med. sch, Northwestern, 56-60; Hebrew Univ, summer, 51; Nat. Inst. Ment. Health res. career award, 62- Consult, Vet. Admin. & Hines Hosps. & Chicago Ment. Hyg. Clin, 48-51, 56-60; Peace Corps, 60-63, counsr, career info. serv, 65- Chmn. interdept. cmt. clin. counseling & psychol, Univ. Chicago, 56-59; mem. ment. health study sect. B, Nat. Inst. Ment. Health, 62-66; cmt. res. & develop, Col.
- Entrance Exam. Bd, 64-66. U.S.A., 44-46. AAAS; Psychol. Asn. Integrative factors of personality, perception, assessment, projective techniques, psychopathology, creativity, typological characteristics in naturalistic and experimental situations. Publ: The thematic apperception test, Addison-Wesley, 48, rev. ed, 55; co-auth, Methods in personality assessment, 56 & Creativity and the individual, 60, Macmillan. Address: 4 Washington Place, New York, N.Y. 10003.
- STEIN, DR. SAM I(RVING), Neuropsychiat, see 11th ed, Phys. & Biol. Vols.
- STEIN, DR. WILLIAM W(ARNER), b. Buffalo, N.Y., Oct. 9, 21; m. 49; c. 2. ANTHROPOLOGY. A.B., Buffalo, 49; Wenner Gren Found. fel, 51-52; Soc. Sci. Res. Coun. fel, 51-52; Ph.D. (anthrop), Cornell, 55. Instr. anthrop, Vanderbilt, 52-53; asst, Yale, 55-56; from asst. to assoc. prof. sociol. & anthrop, Miami (Fla), 56-61; asst. prof. ANTHROP, Alberta, 61-63; Kansas, 63-64, ASSOC. PROF., 64-65; STATE UNIV. N.Y. BUFFALO, 65-, CHMN. DEPT, 67- Fulbright lectr, Lima, 59; Nat. Insts. Ment. Health res. grant, Md, 60; summers, field instr, Columbia-Cornell-Harvard-Illinois Univ. Summer Field Session, Vicos, Peru, 62, area studies coordinator, Peace Corps Training Proj, Missouri, Kansas City, 64. U.S.A., 41-45. Fel. Anthropol. Asn; fel. Soc. Appl. Anthropol. Andean Indian communities; general and mental hospitals; rehabilitation agencies; life histories and cultural change. Publ: Hualcan: life in the highlands of Peru, Cornell, 61; Case of the hungry calves, Human Orgn, 57; Patterns of a Peruvian mental hospital, Int. J. Soc. Psychiat, 63. Address: 4242 Ridge Lea Rd, Amherst, N.Y. 14226.
- STEINBAUGH, PROF. ROBERT PAUL, b. Mineral City, Ohio, Aug. 25, 27; m. 67. BUSINESS ADMINISTRATION. B.Sc., Ohio State, 50, M.A., 52, Ph.D., 57; Indiana, 60; California, Berkeley, 64. Instr., Miami (Ohio), 53-55; Ohio State, 55-57; asst. prof. MGT, INDIANA STATE, 57-60, assoc. prof, 60-63, PROF., 63-, CHMN. DIV. BUS. ADMIN, 65- Fels, Ford Found, 59 & Bus. Econ, 60. U.S.A.-F, 46-47. Mgt. Asn; Acad. Mgt. Address: School of Business, Indiana State University, Terre Haute, Ind. 47809.
- STEINBERG, DR. ARTHUR RICHARD, Archaeol, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- STEINBERG, DAVID, b. New York, N.Y., May 30, 14; m. 42; c. 1. CLINICAL PSYCHOLOGY. B.S., City Col. New York, 35, M.S., 38; N.Y. Univ, 47-48. Teacher, adult ed. prog, New York City Bd. Ed, 35-38, psychologist, remedial reading & arithmetic, 38-41; personnel technician, U.S. War Dept, 41-47; staff psychologist, Kings County Psychiat. Hosp, Brooklyn, N.Y., 47-52; lectr's asst. psychol, Brooklyn Col, 48-52; SR. PSYCHOLOGIST, cerebral palsy units, New York City schs, 52-57; ALBERT EINSTEIN COL. MED, 57- Summers, lectr, teachers col, Columbia, 55-58. Consult, Asn. Help Retarded Children, New York, 54-57. Mem. cmt. ed. Coord. Coun. Cerebral Palsy, 55-56. Psychol. Asn; Asn. Ment. Deficiency; Orthopsychiat. Asn. Exceptional children, including the brain damaged and mentally retarded; play therapy with children. Publ: A schizophrenic child, Kings Co. Psychiat. Hosp. Case Reports; co-auth, Checking pupil progress in classes for cerebral palsied, Except. Children; Monograph on mental retardation for professional workers, U.S. Pub. Health Serv, 62. Address: 2440 Olinville Ave, Bronx, N.Y. 10467.
- STEINBERG, DR. DAVID JOEL, Southeast Asian & Philippine Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- STEINBERG, GUNTHER T(HEODORE), b. Waterloo, Iowa, Nov. 38, 12; m. 40; c. 2. ECONOMICS, STATISTICS. B.A., State Col. Iowa, 36; fel, Chicago, 36-38, M.A., 38. Personnel statistician, Hawthorne Works, WEST. ELEC. CO, Chicago, 41-45, statist. economist, N.Y., 45-53, chief, wage & salary admin. develop. dept, 53-57, asst. supt. mgt. position classification, 57-61, dir. dept. chief training center, 62, mgr. personnel data sys, 63-65, ASST. DIR. MGT. INFO. SYSTS, 66- Lectr, eve. sch, Chicago, 41-45. Econ. Asn; Statist. Asn; Economet. Soc; Inst. Math. Statist. Computer application to management information systems; management position classification and salary administration; business and economic forecasting; industrial depreciation methods and policies. Address: Western Electric Co, 222 Broadway, New York, N.Y. 10038.
- STEINBERG, DR. J(AY) LEONARD, b. Rio de Janeiro, Brasil, Jan. 20, 30; nat; m. 51; c. 2. COUNSELING PSYCHOLOGY. B.A., Adelphi Col, 50; M.A., Columbia, 51, Ed.D, 56. Psychologist, Morningside Ment. Hyg. Clin, New York, 52-54; instr. reading, Hofstra Col, 55-56, asst. dean students, 56-57; dir. Pasadena Counseling Center, Calif, 57-59; lectr. COUNSELING, CALIF. STATE COL. LOS ANGELES, 60-61, asst. prof, 61-65, ASSOC. PROF., 65-, DIR. REHAB. COUNSELING PROG, 67- Consult, city schs, Los Angeles, 65-, police dept, 66- Psychol. Asn; Personnel & Guid. Asn; Soc. Psychol. Study Social Issues. Understanding factors which encourage and inhibit creative performance; phenomenological theory and relationship to counseling; counseling theory and techniques; counselor education; group dynamics; interpersonal relations. Address: 268 N. Rexford Dr, Beverly Hills, Calif. 90210.
- STEINBERG, JOSEPH, Math. Statist, see 11th ed, Phys. & Biol. Vols.
- STEINBICKER, PROF. PAUL G(EORGE), b. Cincinnati, Ohio, Oct. 24, 06. POLITICAL SCIENCE. A.B., Xavier, 29; A.M., Cincinnati, 30, Taft fel, 30-31, Ph.D., 34. Instr. GOVT, ST. LOUIS, 34-37, asst. prof, 37-40, assoc. prof, 40-42, PROF. & DIR. DEPT, 45- Supvr, State Merit Sys, Mo, 42-45; vis. prof, California, Los Angeles, 58; Dayton, 68-69. Chmn. Mo. Personnel Bd, 61-; St. Louis County Charter Cmn, 63-64. Polit. Sci. Asn; Pub. Personnel Asn. Public personnel administration. Publ: Fundamentals of government; co-auth, Metropolitan reform in St. Louis, Holt, 63; auth, Readings in political science, Newman, 65. Address: Dept. of Political Science, St. Louis University, 221 N. Grand Blvd, St. Louis, Mo. 63103.
- STEINDL, DR. FRANK G(EORGE), b. Chicago, Ill, Aug. 26, 35; m. 61; c. 3. ECONOMICS. B.A., DePaul, 57; M.A., Illinois, 58; Ph.D. (econ), Iowa, 63. Instr. ECON, Iowa, 59-62; asst. prof, OKLA. STATE, 62-65, ASSOC. PROF., 65- Vis. economist, Fed. Reserve Bank Cleveland, 66-67. Econ. Asn.

Monetary theory; economic theory. Publ: Elasticity of expectations and the announcement effects of discount rate policy, Nat. Banking Rev, 9/64; A note on the ending of damped inflation and the price level, Kyklos, 64; Fiscal policy over the postwar business cycles, Nat. Tax J, 9/67. Address: Dept. of Economics, Oklahoma State University, Stillwater, Okla. 74074.

STEINER, DR. A(NDRE) L(OUIS), Animal Behavior, Psychophysiol, see 11th ed. Phys. & Biol. Vols.

STEINER, DELBERT M(ICHAE) L, b. Ft. Dodge, Iowa, June 6, 17; m. 40; c. 1. TRANSPORTATION ECONOMICS, STATISTICS. B.S.C. Iowa, 40; M.A. American Univ, 59. Asst. chief cost sect, Interstate Commerce Cmn, 47-50; chief statist. anal. & econ. eval, U.S. Secy. Defense, 50-54; sr. postal rate economist, U.S. Post Off. Dept, 54-59; CONSULT. TRANSPORTATION ECONOMIST, DELBERT M. STEINER & ASSOCS, 59- Consult, transportation cmt, Cmt. Orgn. Exec. Br. Govt, 55. Fleming awards, 48. U.S.A., 41-46, Res, 46-. Lt. Col. Statist. Asn; Economet. Soc; Econ. Asn. Transportation cost finding and rate making; measurements of demand for transportation and elasticity of transportation rates. Publ: Demand for transportation services by commodity, I.C.C. Practitioner's J. Equalization of transportation freight rates between modes of transportation, J. Am. Soc. Traffic & Transportation; Utilization of transportation flow data by Department of Defense. J. Am. Statist. Asn. Address: Delbert M. Steiner & Associates, 8120 Fenton St, Suite 303, Silver Spring, Md. 20910.

STEINER, PROF. GEORGE A(LBERT), b. Norristown, Pa, May 1, 12; m. 37; c. 1. MANAGEMENT ECONOMICS. B.S.C, Temple, 33; A.M. Pennsylvania, 34; Ph.D. Illinois, 37. Clerk, Reading R.R, 30-34; asst. econ, Illinois, 34-37, prof, 47-56; instr: finance, Indiana, 37-39, asst. prof, 39-42, asst. dir, bur. bus. res, 37-39; dir. reports & anal, controller div, War Prod. Bd, 42-43; dir. indust. statist. div, Civilian Prod. Admin, 46-47; PROF. MGT. & PUB. POLICY & DIR. DIV. RES. GRAD. SCH. BUS. ADMIN, CALIFORNIA, LOS ANGELES, 56-, managing ed, Calif. Mgt. Rev, 57-63. Lectr, Indust. Col. Armed Forces, 46-54; dir. requirements cmt. staff, Defense Prod. Admin, 51-52; policy dept, Defense Prod. Admin. & Off. Defense Mobilization, 52-53; mem. prof. adv. cmt. & consult, Off. Emergency Planning, 54-; sr. adv, Lockheed Aircraft Corp, 54-56. Consult, Civil Serv. Cmn, 41; U.S. Dept. Commerce, 47; Munitions Bd, 47; Nat. Security Resources Bd, 47-51; Lockheed Aircraft Corp, 55-; Rand Corp, 58-; Sys. Develop. Corp, 65-; nat. chmn, col. planning, Inst. Mgt. Sci, 68- U.S.A., 43; U.S.N., 43-46, Lt. Econ. Asn; Acad. Mgt.(secy. treas, 66-). Business and government planning; business and society relations. Publ: Co-auth, Multinational corporate planning, 65; Industrial project management, 67 & Top management planning, 68, Macmillan. Address: 13943 Cumpston St, Van Nuys, Calif. 91401.

STEINER, DR. GILBERT Y, b. New York, N.Y., May 11, 24; m. 50; c. 3. POLITICAL SCIENCE. A.B. Columbia, 45; M.A., 46; Ph.D., Illinois, 50. Res. assoc. labor & indust. rels, Illinois, 49-51, govt. & pub. affairs, 51, asst. prof, 51-54, assoc. prof, 54-59, prof, 59-64, dir, 58-64, sr. asst. dean grad. col, 56-58; vis. prof. polit. sci, California, Berkeley, 64-65; SR. STAFF, BROOKINGS INST, 66-. DIR. GOVT. STUDIES, 68- Dir. staff, Chicago Home Rule Cmn, Ill, 53-55; Soc. Sci. Res. Coun. fel, 57; Ford Found. travel & res. award, 61-62; spec. asst. to Gov. of Ill, 61-63; Carnegie Corp. study grant, 67- Consult, State Munic. League, State Legis. Coun, State Legis. Cmn. Munic. Revenue & State Legis. Cmn. Metrop. Govt, Ill. U.S.A., 43-46. Legislation; city government; welfare policy. Publ: Co-auth, Legislative politics in Illinois: auth, Metropolitan government and the real world, Loyola, 66; Social insecurity, Rand McNally, 66. Address: Brookings Institution, 1775 Massachusetts Ave. N.W., Washington, D.C. 20036.

STEINER, DR. GLORIA L(TWIN), b. Newark, N.J., Oct. 21, 22; m. 42; c. 3. PSYCHOLOGY, CHILD DEVELOPMENT. B.A. Pennsylvania, 44; M.S. City Col. New York, 56; Ed.D.(psychol), Columbia, 65. Case worker, home serv. dept, Am. Red Cross, Phila, Pa, 44-45; PSYCHOLOGIST, GARDEN SCH. & ESSEX CHILD DEVELOP. CENTER, BELLEVILLE, 58- Private practice, 58- Psychologist, guid. inst, Mt. Carmel Guid, Newark, 56-; Adler Consult. Center, N.Y., 56-59. Consult, Babies Hosp, Unit, United Hosps. of Newark, 67- AAAS; Psychol. Asn; Interam. Soc. Psychol. Cognitive development in childhood; childhood psychoses; psychotherapy with children and adolescents. Publ: Significance of some Adlerian concepts for the treatment of emotional disorders of childhood, In: Essays in individual psychology: Children's concepts of life and death: a developmental study, Microfilm, Univ. Michigan, 65. Address: 332 West End Rd, South Orange, N.J. 07079.

STEINER, PROF. GORDON J(OSEPH), b. Peekskill, N.Y., Aug. 23, 10. ACCOUNTING, ECONOMICS. B.S. Manhattan Col, 33; M.S. Columbia, 40; Ph.D. Fordham, 48. Instr. ACCT, Manhattan Col, 38-40; City Col. New York, 40-46; assoc. prof, MANHATTAN COL, 46-51, head dept, 46-61, PROF, 52-, asst. dean sch. bus, 53-61, dean ed. admin, 61-65. Pub. acct, 38-; instr, Am. Inst. Banking, 40-45, ed. dir, 55- Cmnr, State Ins. Fund, N.Y., 52-64. U.S.A., 42-46, Res, 46-. Lt. Col. Am. Acct. Asn. Governmental accounting and finance. Address: Dept. of Accounting, Manhattan College, Riverdale, Bronx, N.Y. 10471.

STEINER, PROF. H. ARTHUR, b. St. Louis, Mo, Feb. 22, 05. POLITICAL SCIENCE. A.B. California, Los Angeles, 27; A.M. Berkeley, 28, Ph.D. 30. Instr. POLIT. SCI, Michigan, 30-31; CALIFORNIA, LOS ANGELES, 31-32, asst. prof, 32-39, assoc. prof, 39-47, PROF, 47-, chmn. dept, 42, 46-48. Vis. prof, Nat. Chengchi Univ, 48-49; Fulbright res. fel, China, 48-49, India, 59-60; dir. studies, Nat. War Col, 51. U.S.M.C., 42-45, Res, 45-56, Col. Polit. Sci. Asn; Soc. Int. Law; Asn. Asian Studies. International relations; comparative government; Chinese communism. Publ: Principles and problems of international relations; Chinese communism in action; Communist China in the world community. Address: Dept. of Political Science, University of California, Los Angeles, Calif. 90024.

STEINER, DR. IVAN DALE, b. Bellaire, Mich, Sept. 30, 17; m. 48; c. 2. SOCIAL PSYCHOLOGY. A.B. Cent. Mich. Col, 41; M.A. Michigan, 48, univ. fel, 49-50, Ph.D.(soc. psychol), 52. Asst. study dir. soc. behav, inst. soc. res, Michigan, 50-51; asst. prof. sociol, Fla. State, 51-52; Ford Found. fel,

ILLINOIS, URBANA, 52-53, asst. prof. PSYCHOL, 53-56, assoc. prof, 56-61, PROF, 61-, HEAD DIV. SOC. & DIFFERENTIAL PSYCHOL, 67-, assoc. dean grad. col, 61-63. Ford Found. faculty fel, 59-60; vis. prof, Wisconsin, 64-65. Consult, Nat. Sci. Found, 65-67. Qm.C, U.S.A., 42-45, T/Sgt. Fel. Psychol. Asn; Sociol. Asn; Psychonomic Soc; Soc. Psychol. Study Social Issues. Group processes, especially interpersonal disagreements, social power and coordination of collective action. Publ: Co-auth, Current studies in social psychology, Holt, 66; auth, Personality and the resolution of interpersonal disagreements, Progress in Exp. Personality Res, 66; Models for inferring relationships between group size and potential group productivity, Behav. Sci, 66. Address: Dept. of Psychology, University of Illinois, Urbana, Ill. 61801.

STEINER, PROF. KURT, b. Vienna, Austria, June 10, 12; nat; m. 39. POLITICAL SCIENCE. J.D. Vienna, 35; Ford Found. fel, 53-54; Ph.D.(polit. sci), Stanford, 55. Judicial asst, Vienna, Austria, 35-36; private practice, 36-38; from instr. to dir, Berlitz Schs. Lange, Ohio & Pa, 39-43; from chief analyst to chief document div, int. prosecution sect, Supreme Comdr. Allied Powers, 46-48, prosecuting attorney & asst. to chief counsel, 48, chief civil affairs & civil liberties br. legis. & justice div, legal sect, 49-51; asst. prof. POLIT. SCI, STANFORD, 55-58, assoc. prof, 58-62, PROF, 62-, assoc. exec. head dept, 59-63. Vis. res. fel, center int. studies, Princeton, 55; dir, Stanford Center Japanese Studies, Tokyo, 62; vis. lectr, Free Univ. Berlin, 65. Summers, mem. faculty, Stanford Center in Germany, 58, dir, 61. Consult, Inst. Int. Ed, 55; counsr, Japanese Am. Soc. Legal Studies, 64-66. U.S.A., 44-48. Polit. Sci. Asn; Asn. Asian Studies. Comparative government and law. Publ: Local government in Japan, Stanford Univ, 65; co-auth, Political development in modern Japan, Princeton Univ, 68; Modernization and divorce rate trends in Japan, Econ. Develop. & Cultural Change. Address: 832 Sonoma Terr, Stanford, Calif. 94305.

STEINER, LEE R(ABENOWITZ), b. Superior, Wis, Nov, 18, 01; m. 35. PSYCHOLOGY. B.A. Minnesota, 24; Commonwealth fel. & M.S. Smith Col, 29. Clinician tuberc. clin, Michael Reese Hosp, Chicago, Ill, 24-27; supv. clinician, Inst. Juvenile Res, 29-31; spec. lectr. ment. health, Ill. Soc. Ment. Hyg, 32-33; PRACTICING PSYCHOLOGIST, 33- Lectr, Hunter Col, 44-48; assoc. prof, Queens Col.(N.Y.), 48-49; broadcaster, Sta. WEVD Univ. of Air, 48-; founder & dir. res, Inst. Interpersonal Res, 48-; lectr, Artist & Speakers Bur, N.Y., 50- Columnist, McFadden Pubs, 60- Ed. J. Acad. Psychologists in Marital Counseling, 67. Psychol. Asn. Adaptation of the principles of clinical psychology to education of laymen through radio broadcasting, columns, lectures, books; development of consultation in personal problems to professional status; scientific development of marital counseling. Publ: Where do people take their troubles, 45; Understanding juvenile delinquency; Romantic marriage: the 20th Century illusion, 64. Address: 45 W. 81st St, New York, N.Y. 10024.

STEINER, M(ATILDA) ELISABETH, b. U.S. Nov. 8, 13. PSYCHOLOGY. B.A. Rutgers, 35; M.A. Columbia, 36; N.Y. Univ, 52-54; New Sch. Soc. Res, 60- Tech. exam, occup. res. prog, U.S. Employ. Serv, 36-37; intern clin. testing, Rockland State Hosp, Orangeburg, N.Y., 39; med. statistician dental care study, Am. Col. Dentists, N.Y., 39-40; psychol. exam. employee rels, R.H. Macy & Co, 39-41; Josiah Macy Found. grant & asst. clin. psychol, Montreal Neurol. Inst. & Univ. Wisconsin, 41-43; res. psychologist, Gen. Elec. Co. Conn. & N.Y., 43-54; consult. indust. psychol, Lightolier, Inc, N.J. & N.Y., 54-63; voc. counsr, Voc. Adv. Serv, 64-65, dir. youth & work prog, 65-67; PSYCHOLOGIST, NEWARK BD. ED, 67- Josiah Macy, Jr. Found. grant & res. psychologist, sch. med, Texas, 55-57; Ittleson Found. grant & res. psychologist, sch. med, Temple, 59-61. AAAS; Psychol. Asn; fel. Soc. Proj. Tech; assoc. Acad. Relig. & Ment. Health; N.Y. Acad. Sci. Evaluation of personnel selection techniques in industry; clinical evaluations; mental retardation; neurological impairment. Publ: Psychologist in industry; Manual for Harrower blots; Manual for psychodiagnostic inkblots. Address: 220 Brookdale Ave, Newark, N.J. 07106.

STEINER, PROF. PETER O(TTO), b. New York, N.Y., July 9, 22; div; c. 2. ECONOMICS. A.B. Oberlin Col, 43; A.M. Harvard, 49, Ph.D.(econ), 50. Instr. bus. admin, California, 49-50, asst. prof. econ, 50-56; assoc. prof, Wisconsin, Madison, 57-59, PROF, 59-68; ECON. & LAW, MICHIGAN, 68- Soc. Sci. Res. Coun. faculty res. fel, 55-59; Guggenheim fel, 60-61; Ford Found. faculty res. fel, 65-66. U.S.N.R., 43-46, Lt. Econ. Asn; Statist. Asn. Economic theory and statistics; econometrics. Publ: Co-auth, Economics, Harper, 66; Peaks loads and efficient pricing, Quart. J. Econ; Choosing among alternative public investments, Am. Econ. Rev. Address: Dept. of Economics, University of Michigan, Ann Arbor, Mich. 48104.

STEINER, PROF. RODNEY, b. Los Angeles, Calif, June 11, 28; m. 53; c. 3. GEOGRAPHY. B.A. California, Los Angeles, 50, M.A., 51; Ph.D.(geog), Washington (Seattle), 54. PROF. GEOG, CALIF. STATE COL, LONG BEACH, 56- U.S.A., 54-56. Asn. Am. Geog. Am. Geog. Soc. Physical and urban geography, especially California. Publ: Co-auth, California: land of contrast, Wadsworth, 63; auth, Reserved lands and the supply of space for the southern California metropolis, Geog. Rev, 7/66; Large landholdings in the environs of Los Angeles, Calif. Geogr, 67. Address: Dept. of Geography, California State College at Long Beach, Long Beach, Calif. 90804.

STEINER, DR. WILLIAM GLENN, Clin. Psychol, Neurophysiol, see 11th ed, Phys. & Biol. Vols.

STEINER, PROF. WILLIAM HOWARD, Econ, Finance, see 10th ed, Soc. & Behav. Vols, deceased 66.

STEINGART, DR. IRVING, b. New York, N.Y., Jan. 28, 30; m. 59. PSYCHOLOGY. B.S. City Col. New York, 52, fel, 51-54; Ph.D.(clin. psychol), N.Y. Univ, 59. Sch. psychologist, New York Bur. Child Guid, 55-56; staff psychologist, ed. clin. city Col. New York, 56-58; Brooklyn Col, 58-59; sr. psychologist, Madeline Borg Child Guid. Inst, JEWISH BD. GUARDIANS, 59-61, asst. chief psychologist, 61-63, chief psychologist, 63-67, DIR. PSYCHOL. TRAINING, 67- Adj. assoc. prof, grad. dept. clin. psychol, N.Y. Univ, 62-; res. assoc, State Univ. N.Y. Downstate Med. Center, 67- Staff psychotherapist, Rockland County Center Ment. Health, 57-61. Private practice,

- 59- Psychol. Asn. Nonverbal forms of interpersonal communication; varieties of regressive behavior and experience; thought organization. Address: 131 Riverside Dr, New York, N.Y. 10024.
- STEINHAUS, PROF. ARTHUR H, Physiol, see 11th ed, Phys. & Biol. Vols.
- STEINHAUS, DR. HENRY W(ILLIAM), Econ, Math, see 10th ed, Soc. & Behav. Vols.
- STEINHAUSER, DR. FREDRIC R, b. Lamberton, Minn, July 16, 18; m. 49; c. 4. GEOGRAPHY, EDUCATION. B.S, Mankato State Col, 49; M.A, Chicago, 51; Ph.D.(geog), Minnesota, 60. Teaching asst, Mankato State Col, 47-49, MINNESOTA, MINNEAPOLIS, 54-57, from instr. to PROF. GEOG, 57-, univ. study grants community study, 65-66. State coordinator, Nat. Coun. Geog. Ed, 60-; Hill Found. grant community study, 65. Geog. consult, Univ. Minnesota Proj. Soc. Studies, 65-67; consult. & study dir, St. Anthony Park Community, 65- Asn. Am. Geog; Nat. Coun. Geog. Ed. Urban geography, especially city and community planning; geographic education, especially junior college teaching. Publ: Geography in the general college, Univ. Minnesota, 64; The study of geography, J. Geog, 67; co-auth, Community study of St. Anthony Park, St. Paul, Minn, Scherbert Pub, 67. Address: Dept. of Geography, General College, University of Minnesota, Minneapolis, Minn. 55455.
- STEINHOFF, DR. CARL ROBERT, b. Ellenville, N.Y, Mar. 26, 36; m. 60; c. 2. EDUCATIONAL ADMINISTRATION. A.B, Syracuse, 58, M.A, Ed, 59, Ford Found. fel, 62-63, Ed.D.(ed. admin), 66. Teacher, N. Syracuse Cent. Schs, 59-62; asst. ed. admin, Syracuse, 63-65; dir. instr. serv, Union Springs Cent. Schs, 64-65; ASST. PROF. ED. ADMIN, DIV. TEACHER ED, CITY UNIV. N.Y, 65- Consult, Center Urban Ed, 66-67; bd. ed, City of New York, 66-67; Sch. Univ. Teacher Ed. Center, 67-68. Ed. Res. Asn. Organizational theory. Publ: Co-ed, The administrative analysis of selected educational innovations, 64 & auth, Organizational climate in a public school system, 66, Syracuse; co-auth, A demonstration of the use of simulation in the training of school administrators, City Univ. New York, 67. Address: Office of Research & Evaluation, Division of Teacher Education, City University of New York, 33 W. 42nd St, New York, N.Y. 10036.
- STEININGER, PROF. FRED H, Sociol, see 10th ed, Soc. & Behav. Vols.
- STEINKAMP, DR. STANLEY WILLIAM, b. Chicago, Ill, Apr. 5, 27; m. 56; c. 4. ECONOMICS. A.B, Michigan, 51, M.A, 56, Ph.D, 58. Asst. study dir, Michigan, 52-55, study dir, surv. res. center, 55-58; res. asst. prof. econ. dept. & bur. econ. & bus. res, ILLINOIS, URBANA, 58-65, ASSOC. PROF. ECON, 65-, faculty summer fel, 62, univ. res. bd. grant, 63-65. Summer Ford fel, Minnesota, 61. U.S.A, 45-46. Econ. Asn; Statist. Asn; Economet. Soc. Systems theory; econometrics; theory of the firm. Publ: Co-auth, Business looks at banks: a study of business behavior; Survey reliability and interviewer competence, Bur. Econ. & Bus. Res, Univ. Illinois, 64. Address: 904 S. Carle, Urbana, Ill. 61801.
- STEINMAN, DR. FREDDA, b. New York, N.Y, Sept. 13, 29; m. 51. PSYCHOLOGY. M.A, New Sch. Soc. Res, 62, Ph.D.(psychol), 64. Asst. prof. PSYCHOL, Beaver Col, 63-64; Nat. Insts. Health fel, Maryland, 64-66, asst. prof, 66-67; TRINITY COL.(D.C), 67, ASSOC. PROF, 68- Psychonomic Soc. Experimental psychology; animal learning and retention; motivation. Publ: Co-auth, The retention of runway performance as a function of proactive interference, 63, Effect of prior interference upon retention of fixed-interval performance in rats, 65 & auth, Retention of alley brightness in the rat, 67, J. Comp. Physiol. Psychol. Address: Dept. of Psychology, Trinity College, Washington, D.C. 20017.
- STEINMAN, DR. KARL, b. Brooklyn, N.Y, Mar. 10, 10; m. 36; c. 1. PSYCHOLOGY. B.S, City Col. New York, 43; M.A, N.Y. Univ, 49, Ph.D.(clin. psychol), 53; William Alanson White Inst. Psychiat, 52-55. V.pres. & psychologist, Shailer Emery Lawton Found, 47-49; intern psychol, Cent. Islip State Hosp, 50-51; psychologist, Creedmoor State Hosp, 51-52, res. scientist & head dept, inst. psychobiol. studies, 52-53; CLIN. PSYCHOLOGIST, 53- Psychotherapist, Bleuler Psychother. Group, 51-54, asst. to dir, 54-55; clin. psychologist, Jamaica Med. Group, 51-53; dir. & psychotherapist, Oceanside Psychother. Center, 55-58. Consult, Avalon Sch. Retarded, 55. Mem. Coun. Psychoanal. Psychother, 58- U.S.A, 43-45, Sgt. AAAS; Psychol. Asn; Acad. Psychother; N.Y. Acad. Sci. Psychoanalysis; individual and group analytic psychotherapy; projective techniques; identification of test criteria in schizophrenia, including children; neuro-physiological psychology in determination of tranquilizer dosage levels. Publ: Validity of a projective technique in the determination of relative intensity in psychosis, Library Cong. Pub. Address: 449 Waukena Ave, Oceanside, N.Y. 11572.
- STEINMAN, DR. ROBERT M, b. New York, N.Y, May 14, 27; m. PSYCHOLOGY. City Col. New York, 42-44; D.D.S, St. Louis, 48; M.A, New Sch. Soc. Res, 62, Ph.D.(psychol), 64. Res. assoc. PSYCHOL, Pennsylvania, 61-63, Nat. Insts. Health fel, 63-64; asst. prof, MARYLAND, 64-67, ASSOC. PROF, 67- Res. grants, Univ. Maryland Gen. Res. Bd, 64, Nat. Inst. Neurol. Diseases & Blindness, 65- Teaching award, Univ. Maryland, 66. AAAS; Psychol. Asn; Optical Soc. Am. Vision; physiological optics; perception. Publ: Effect of target size, luminance and color on monocular fixation, J. Optical Soc. Am, 65; co-auth, Voluntary control of microsaccades during maintained monocular fixation, Science, 67; Fixation of targets near the absolute threshold, Vision Res, 68. Address: Dept. of Psychology, University of Maryland, College Park, Md. 20742.
- STEINMETZ, DR. LAWRENCE L(EO), b. Newburg, Mo, Sept. 26, 38; m. 58; c. 2. BEHAVIORAL SCIENCE. B.S, Missouri, 59, M.S, 60; Ph.D.(indust. rels), Michigan, 64. Mgt. trainee, Kroger Co, 59-60; mgt. analyst, U.S. Dept. Army, 61; asst. prof. MGT, COLORADO, 64-66, ASSOC. PROF, 66- Consult, Mgt. Health & Develop. Corp, 66- U.S.A, 60-61, 1st Lt. Acad. Mgt. Manpower management; managing the unsatisfactory performer. Publ: Grass roots approach to industrial peace, Bur. Indust. Rel, 66; co-auth, Managing the small business, Irwin, 68; auth, Managing the unsatisfactory performer, Addison-Wesley, (in press). Address: Dept. of Management, University of Colorado, Boulder, Colo. 80302.
- STEINMUELLER, DR. MILTON H(OMAR), b. Vancouver, Wash, June 26, 24; m. 45; c. 2. AGRICULTURAL ECONOMICS. B.S, Washington State, 49, M.A, 52; Ph.D.(agr. econ), Mich. State, 58. Instr. agr. econ, Washington State, 50-54; asst. Mich. State, 54-56; agr. economist, U.S. Dept. Agr, Mich. & Wash, 57-60; asst. prof. RESOURCE DEVELOP, MICH. STATE, 60-66, ASSOC. PROF, 66- Agr. Econ. Asn; Soil Conserv. Soc. Resource use and conservation; economic development and change. Address: Dept. of Resource Development, Michigan State University, East Lansing, Mich. 48823.
- STEINSCHNEIDER, DR. ALFRED, Pediat, see 11th ed, Phys. & Biol. Vols.
- STEINTHORSON, DR. D(ALLAS) H(ARMS), Econ, see 10th ed, Soc. & Behav. Vols.
- STEINTRAGER, DR. JAMES ALVIN, b. Detroit, Mich, May 22, 36; m. 60; c. 2. POLITICAL SCIENCE. B.A, Notre Dame, 58; H.B. Earhart fels, Chicago, 58-61, M.A, 60, Ph.D.(polit. sci), 63; grant, La. State, summer 62. Instr. GOVT, La. State, 61-63; ASST. PROF, TEXAS, AUSTIN, 63- Res. grant, res. inst, Texas, 65; Relm Found. travel & res. grant, London, Eng, 66-67; Soc. Rellig. in Higher Ed. fel, King's Col, London, 68-69. AAAS; Polit. Sci. Asn. The interrelations, tensions and conflicts between science, religion, society and politics. Publ: Political socialization and political theory, Soc. Res, spring 68. Address: Dept. of Government, University of Texas, Austin, Tex. 78712.
- STEINZOR, DR. BERNARD, b. New York, N.Y, Jan. 1, 20; m. 59. CLINICAL PSYCHOLOGY. B.S, City Col. New York, 41; M.A, Ohio State, 42; Ph.D, Chicago, 47. Assoc. psychologist, Menninger Clin, Kans, 48-50; mem. staff psychol, Sarah Lawrence Col, 50-60; CLIN. PSYCHOLOGIST, 52- Lectr, Union Theol. Sem.(N.Y), 61- Mem, N.Y. State Bd. Exam. Psychologists, 63- U.S.A.A.F, 42-45. Psychol. Asn. Clinical diagnosis and treatment; teaching processes, group dynamics and projective techniques. Publ: Co-auth, The healing partnership: the patient as colleague in psychotherapy, Harper, 67; auth, Development of intellectual qualities through college years, In: Achievement in the college years; Death and construction of reality, In: Festschrift for Gardner Murphy. Address: 365 West End Ave, New York, N.Y. 10024.
- STEISEL, DR. IRA M(URRAY), Psychol, see 11th ed, Phys. & Biol. Vols.
- STEKLER, DR. HERMAN, b. Vienna, Austria, Nov. 4, 32; nat; m. 67. ECONOMIC. A.B, Clark, 55; Woodrow Wilson & Soc. Sci. Res. Coun. fels, Mass. Inst. Tech, 55-56, Nat. Sci. Found, Soc. Sci. Res. Coun. & Gen. Elec. fels, 57-58, Gen. Elec. fel, 58-59, Ph.D.(econ), 59. Asst. prof. bus. admin, California, Berkeley, 59-66; vis. prof, BD. GOV, FED. RES. SYST, 66-67, ECONOMIST, 67- Econ. Asn. Economic forecasting; structure of the American economy; industrial organization and public regulation. Publ: Profitability and size of firm; Forecasting industrial production, J. Am. Statist. Asn; First difference and diffusion index forecasting, Rev. Econ. & Statist. Address: Board of Governors, Federal Reserve System, Washington, D.C. 20551.
- STELLAR, PROF. ELIOT, Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.
- STELLMACHER, PROF. HERBERT BOB, b. Dallas, Tex, June 11, 14; m. 52; c. 1. MARKETING. B.A, Texas, 35; M.B.A, Southern Methodist, 52. Copy writer advert, Swift & Co, Ill, 37-38; salesman printing, Stellmacher & Clark, Tex, 38-41, partner & sales mgr, Stellmacher & Son, 46-51; instr. & res. asst. mkt. & advert, Ill. Inst. Tech, 52-53; asst. prof, Houston, 53-54; mkt. North Texas State, 54-58; ASST. PROF. ECON. & CHMN. DEPT. MKT. & FOR. TRADE, HAWAII, 58- Summer vis. prof, Harvard, 61. Consult, Holst & Male Advert, 60; Honolulu Construct. & Draying Co, Ltd, 61. U.S.N, 41-46, Res, 46-55, Lt. Mkt. Asn; Econ. Asn. Foreign trade; public relations for academic institutions and businesses; business use of advertising contests; Hawaiian cost of living; small business failures; transportation and tourism. Publ: Advisory council for the university, Honolulu Star-Bull; Barron student operations, Intercollegiate Bibliog; University plans for business education, Hawaii Indust. Address: Dept. of Marketing & Foreign Trade, University of Hawaii, Honolulu, Hawaii 96822.
- STELLWAGEN, DR. WILLIAM TURNER, b. Ann Arbor, Mich, Dec. 15, 28; m. 52; c. 3. PSYCHOLOGY. B.S, Washington (Seattle), 52, M.S, 57, Ph.D, 59. Asst. prof. psychol, Mont. State Col, 59-60; from instr. to ASSOC. PROF. PSYCHOL, MICH. STATE, 60- AAAS; Psychol. Asn. Communication; psychology of language; statistics; perception. Address: Dept. of Psychology, Michigan State University, East Lansing, Mich. 48824.
- STELLY, DR. RANDALL, b. Kaplan, La, July 11, 17; m. 44; c. 3. AGRICULTURAL ECONOMICS. B.S, Southwestern Louisiana, 40; M.S, Agr. & Mech. Col, Tex, 47; Ph.D, La. State, 56. Mkt. analyst, Converted Rice, Inc, 47-48; res. assoc. AGR. ECON, La. State, 49-51; economist, Int. Coop. Admin, 51-55; ASSOC. PROF, TEXAS A&M, 56- U.S.A.A.F, 40-45, Capt. Agr. Econ. Asn. Economics of dairy, lamb and egg marketing; foreign market development and evaluation; agrarian problems in the Far East. Publ: Agrarian problems in Indochina; Economic evaluation of foreign market development; Economics of dairy marketing. Address: Dept. of Agricultural Economics, Texas A&M University, College Station, Tex. 77840.
- STELZER, DR. IRWIN M(ARK), b. New York, N.Y, May 22, 32; m. 66; c. 1. ECONOMICS. B.A, N.Y. Univ, 51, scholar, 51-52, M.A, 52; univ. fels, Cornell, 52-54, Ph.D.(econ), 54. Financial analyst, Economet. Inst, 52; instr. econ, Connecticut, 54-55; economist, W.J. Levy, Inc, 55-56; sr. consult. & v.pres, Bond, Watkins, Jason & Co, Inc, 56-61; PRES, NAT. ECON. RES. ASSOCS, INC, 61- Researcher, Twentieth Century Fund, 53-55; lectr, N.Y. Univ, 55-56; researcher, Brookings Inst, 56-57; lectr, City Col. New York, 57-58. Econ. Asn; Statist. Asn. Public control; labor law. Publ: Selected antitrust cases; Hot war in the energy industry, Harvard Bus. Rev; Technological progress and market structure, South. Econ. J. Address: National Economic Research Associates, Inc, 80 Broad St, New York, N.Y. 10004.
- STELZER, ROLAND O(TTO), b. Mishicot, Wis, Jan. 14, 01; m. 28; c. 4. AGRICULTURAL ECONOMICS. B.S, Wisconsin, 26, M.S, 30. Extens. economist, West Virginia, 29-35; Delaware, 35-39; state admin. officer, U.S.

DEPT. AGR, Del, 39-41, agr. economist, D.C., 41-59, DEP. DIR, price div, 59-62, POLICY & PROG. APPRAISAL DIV, AGR. STABILIZATION & CONSERV. SERV, 62- Agr. Econ. Assn. Publ: Milk distribution cost; Broiler cost study; Milk production cost. Address: 6407 Queens Chapel Rd, University Park, Hyattsville, Md. 20782.

STEMBER, PROF. CHARLES H(ERBERT), b. Brooklyn, N.Y., Dec. 7, 16; m. 58; c. 2. SOCIAL PSYCHOLOGY. B.S. Wisconsin, 41; fel. New Sch. Soc. Res, 52-53; Ph.D. Columbia, 55. Asst. study dir. pub. opinion, U.S. Dept. Agr, 41-42; info. analyst, off. war info, 42-43; study dir, nat. opinion res. center, 47-52; assoc. prof. econ. Pa. State, 56-57; soc. psychol. grad. sch. bus, Chicago, 57-58; lectr. teachers col. Columbia, 58-59; PROF. SOCIOL. & CHMN. DEPT, UNIV. COL. RUTGERS, 58- Consult. bur. appl. soc. res, Columbia, 54; Chicago Heart Assn, 57; Nat. Fedn. Blind, 57; Am. Jewish Cmt, 60-61. U.S.A., 43-46. Sociol. Assn; Assn. Pub. Opinion Res. Social psychology of prejudice and discrimination; images and attitudes of majorities toward minorities. Publ: Education and attitude change; co-auth, Interviewing in social research; Jews in the mind of America, Basic Books, 66. Address: 135 W. 87th St, New York, N.Y. 10024.

STEMBERGER, PROF. ANTHONY PAUL, b. Urbovo, Austria, May 7, 20; nat; m. 52; c. 4. AGRICULTURAL ECONOMICS. B.S. Pa. State, 51, M.S., 53; Ph.D. N.C. State Col, 56. Asst. agr. econ. Pa. State, 51-53; N.C. State, 53-56, asst. prof, 56-60, assoc. prof, 60-62; AGR. MKT, PA. STATE, 62-66, PROF, 66- C.W.S. U.S.A., 42-45. Poultry Sci. Assn; Agr. Econ. Assn. Poultry science; interregional competition on egg marketing; measuring and analyzing consumer demand; economics of location in performing marketing service for eggs and broilers; economic relationships between fertilization rates and corn yields. Publ: North Carolina eggs in interregional competition; Economic implications of using alternative production functions for expressing corn-nitrogen production relationships, N.C. Agr. Exp. Sta. Tech. Bull; co-auth, Economics of location in grading and cartoning eggs, Pa. State Agr. Exp. Sta. Bull. Address: Dept. of Agricultural Economics, Pennsylvania State University, University Park, Pa. 16802.

STEMPEL, DR. JOHN DALLAS, b. Easton, Pa, July 26, 38; m. 61; c. 1. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. A.B. Princeton, 60; M.A. California, Berkeley, 63, Ph.D.(polit. sci), 65. Lang. student French, U.S. DEPT. STATE, 65-66, consular officer, Am. Embassy, Conakry, Republic Guinea, 66, for. serv. officer, Am. Embassy, Bujumbura, Repub. Burundi, 66-68, ASSOC. OPERS. OFFICER, OPERS. CENTER, D.C., 68- Meritorious serv. award, U.S. Dept. State, 67. U.S.N., 60-62, Res, 62-, Lt. Polit. Sci. Assn; Acad. Polit. & Soc. Sci. American foreign policy, especially policy and decision making; administration and organization; international relations, especially political and economic development and the interaction between domestic and foreign politics. Address: Foreign Service Lounge, Dept. of State, Washington, D.C. 20520.

STEMPEL, JOHN E(MMERT), b. Bloomington, Ind, May 6, 03; m. 28; c. 2. JOURNALISM. A.B. Indiana, 23; M.S. Columbia, 28. Instr. journalism, Lafayette Col, 23-26; Indiana, 26-27; mem. staff, New York Sun, 29-36; news & managing ed, Easton Express, Pa, 36-38; prof. journalism & chmn. dept, Indiana, 38-68; RETIRED. Assoc. ed, Bloomington Star, Ind, 26-27. Mem. Am. Coun. Ed. Journalism, secy-treas, 55-68. Assn. Ed. Journalism. Newspaper management and influence; management of news staffs; media research. Publ: Style book of the Indiana Daily Student; co-auth, Newspaper editings, headlines and makeup. Address: 924 Atwater, Bloomington, Ind. 47401.

STENASON, DR. W(ALTER) J(OHN), b. Winnipeg, Man, Sept. 24, 30; m. 54; c. 3. ECONOMICS. B.Com, McGill, 52, M.Com, 54; Soc. Sci. Res. Coun. Can. fel. & Ph.D. Harvard, 61. Asst. transportation res, CAN. PAC. R.WY. CO, 52-54, res. economist, 56-58, dir. econ. res, 58-61, asst. to pres. & chmn, 61-66, V. PRES. CO. SERV, 66- Pres. & dir, Smithsons Holdings Ltd. & Can. Pac. Transport Co. Ltd, 66-; chmn. & dir, Smith Transport Ltd, 66-; dir, Can. Pac. Oil & Gas Co. Ltd, Provident Properties Ltd, Pac. Coast Terminals Co. Ltd, Pac. Coast Bulk Terminals Co. Ltd. & Can. Pac. Express Co. Ltd, 66-; Dom. Bridge Co. Ltd, 68- Am. Econ. Assn; Am. Statist. Assn; Can. Econ. Assn. Business organization and control; business, statistical and transportation economics. Publ: Co-auth, Avoidable cost of railway passenger service & Economics of competition in transportation industries. Address: Canadian Pacific Railway Co, Windsor Station, Montreal 3, Que, Can.

STENDER, ROBERT C(LARENCE), Polit. Econ, Govt, see 10th ed, Soc. & Behav. Vols.

STENDLER, PROF. CELIA B(URNS), Child Develop, Ed. Psychol, see LAVATELLI, PROF. CELIA B(URNS).

STENE, PROF. EDWIN O(TTO), b. Ashby, Minn, 00; m. c. 1. POLITICAL SCIENCE. A.B. Minnesota, 23, Ph.D. 31; Chicago, 26. Instr. POLIT. SCI, Cincinnati, 31-34; acting asst. prof, KANSAS, 34-37, asst. prof, 37-43, assoc. prof, 43-49, PROF, 49- Fel. Harvard, 47; vis. prof, Philippines, 54-55, 57-58; Indiana, 59-60; Univ. Hawaii, 64. Mem. Int. City Mgr. Assn. teaching staff, Adv. Mgt. Inst, 66. Polit. Sci. Assn; Soc. Pub. Admin; hon. mem. Int. City Mgr. Assn. Public administration; city manager government. Publ: Co-auth, Public administration in the Philippines, Univ. Philippines, 55; auth, The city manager: professional training and tenure, Govt. Res. Center, Univ. Kansas, 66; Case problems in city management, Int. City Mgr. Assn, 64. Address: 1644 University Dr, Lawrence, Kans. 66044.

STENGER, DR. CHARLES A(LBERT), b. Akron, Ohio, July 19, 22; m. 46. CLINICAL PSYCHOLOGY. B.S. Akron, 47; Ph.D.(psychol), Western Reserve, 52. Chief psychol. serv, Vet. Admin. Hosp, Coral Gables, Fla, 51-63; area chief psychol. serv, Vet. Admin. Area Med. Off, Trenton, N.J, 63-64; CHIEF PSYCHOL. IN GEN. MED. HOSPS, VET. ADMIN. CENT. OFF, D.C., 64- Consult, Group Health Assn, D.C., 67- Psychol. Assn. Programming for delivery of psychological services; behavior shaping techniques in adults and children. Address: 10650 Weymouth St, Apt. 201, Bethesda, Md. 20014.

STENNETT, DR. RICHARD GENE, b. Ridgetown, Ont, Mar. 4, 30; nat; m. 52; c. 2. CLINICAL PSYCHOLOGY. B.A. Western Ontario, 52, M.A., 53; fel. Nat. Res. Coun. Can, McGill, 55, Ph.D.(psychol), 56. Chief psychologist, Ont. Hosp, St. Thomas, 56-59; prog. dir. & clin. psychologist, Tri-County Ment. Health Center, 59-60, clin. psychologist & coordinator res, 60-65; RES. COORDINATOR, BD. ED, 65- Assoc. prof, Western Ontario, 65- Am. Psychol. Assn; Can. Psychol. Assn. Educational process research; preventive mental health. Address: Board of Education, 165 Elmwood Ave, London, Ont, Can.

STENSON, DR. HERBERT HALSTEN, b. Chicago, Ill, Sept. 24, 29; m. 63; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Wayne State, 56, M.A., 63; Ph.D. (psychol), Illinois, 65. Statistician, bus. res. dept, Chrysler Corp, 55-60; asst. dir, BEHAVIOR RES. LAB. ANTIOCH COL, 64-65, assoc. dir, 65-67, DIR, 67-, ASST. PROF. PSYCHOL, 64- Psychomet. Soc. Psychophysics of the perception of shape; mathematical models of perception and learning. Publ: The physical factor structure of random shapes and their judged complexity, 66, The psychophysical dimensions of similarity among random shapes, 68 & co-auth, A computer program to generate and measure random shapes, 68, Perception & Psychophys. Address: Dept. of Psychology, Antioch College, Yellow Springs, Ohio 45387.

STEPAKOF, HARRY, Statist, Bus. Admin, see 10th ed, Soc. & Behav. Vols.

STEPHAN, PROF. A(NTHONY) STEPHEN, b. Richmond, Va, Dec. 1, 05; m. 37; c. 2. SOCIOLOGY. A.B. Richmond, 26; A.M. Chicago, 30; Ph.D. Minnesota, 36. Supvr. ed. mat. proj, State Dept. Ed, Minn, 36-37; sr. res. analyst, Coun. Soc. Agencies, Minneapolis, 37-38; supvr, City Planning Survs. Proj, St. Paul, 38-39; assoc. prof. soc. sci, Stout State Col, 39-43, chmn. dept, 43-47; assoc. prof. SOCIOL, ARKANSAS, 47-53, PROF, 53-, CHMN. DEPT, 47- Fel. South. Regional Coun, 48-55. Mem. counseling cmt. church & soc, United Presby. Church, 59-62. Fel. Sociol. Assn. Race problems. Publ: Learning in leisure; Guide to studies of social conditions in the Twin Cities. Address: Dept. of Sociology & Anthropology, University of Arkansas, Fayetteville, Ark. 72701.

STEPHAN, PROF. FREDERICK F(RANKLIN), b. Chicago, Ill, May 17, 03; m. 25; c. 4. STATISTICS, SOCIOLOGY. B.A. Illinois, 24; M.A. Chicago, 26. Asst. Chicago, 25-27; instr. sociol, Pittsburgh, 27-29, asst. prof, 30-34; secy-treas. & ed, Am. Statist. Assn, D.C., 34-40; PROF. sociol. & statist, Cornell, 41-46; SOC. STATIST, PRINCETON, 47- Dir. bur. soc. res, Pittsburgh, 31-34; lectr, Columbia, 38; res. adv. Off. Prod. Mgt, D.C., 41-42; chief statist. serv, War Manpower Cmn, 42-43; asst. dir. bur. prog. & statist, War Prod. Bd, 44; European rep. soc. sci, Rockefeller Found, 45-46; dir. study sampling, Nat. Res. Coun. & Soc. Sci. Res. Coun, 46-48. Consult, cmt. human resources, res. & develop. bd, U.S. Navy, 47-50; sr. demog. consult, Pop. Coun, 64-68. Ed, Pub. Opinion Quart. Trustee, Rand Corp, 48-61; Nat. Opinion Res. Center. U.S.A.F., 44-45. AAAS (v. pres. soc. & econ. sci. sect, 47 & 61); fel. Statist. Assn (pres, 66); fel. Inst. Math. Statist; Sociol. Assn; Economet. Soc; Opers. Res. Soc. Am; Int. Statist. Inst; Int. Union Sci. Study Pop. Sampling methods for large-scale surveys; analysis of educational processes at Princeton University; organization of research programs. Publ: Co-auth, Sampling opinions; auth, The expected value and variance of the reciprocal and other negative powers of a positive Bernoullian variate, Ann. Math. Statist; Two queues under preemptive priority with Poisson arrival and service rates, Opers. Res. Address: Dept. of Statistics, Fine Hall, Princeton University, Princeton, N.J. 08540.

STEPHAN, DR. PAUL BROOKE, JR, African Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

STEPHANSON, PROF. EARL M(ARVIN), b. Butte, Mont, Sept. 25, 21; m. 45; c. 2. ECONOMICS. B.A. Montana, 49, M.A., 50. Asst. Wisconsin, 51-54; from asst. prof. to assoc. prof. econ. & bus. admin, Lakeland Col, 54-56; assoc. prof. econ, Indiana State, 56-62; REGIONAL LABOR ECONOMIST, BUR. EMPLOY. SECURITY, U.S. DEPT. LABOR, CHICAGO, 62- Participant, Gen. Elec. summer seminar, Univ. Chicago, 61. U.S.A., 42-46. Econ. Assn; Indust. Rels. Res. Assn. Unemployment compensation; interests theory; manpower programs; research and policy. Address: 219 Drake Lane, Des Plaines, Ill. 60016.

STEPHENS, PROF. ALONZO THEODORE, SR, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

STEPHENS, PROF. CEPHUS LEROY, b. Woodsfield, Ohio, July 4, 03; m. 34, 53; c. 1. POLITICAL SCIENCE. B.S. Ohio State, 29, A.M., 33, Ph.D., 41. Instr. polit. sci, Ohio State, 40-42; tutor & instr. GOVT, Harvard, 42-45; asst. prof, Rochester, 45-49; PROF, DENISON, 49-, chmn. dept, 49-62. Polit. Sci. Assn; Soc. Int. Law. American and comparative government; political theory. Address: Dept. of Political Science, Denison University, Granville, Ohio 43023.

STEPHENS, PROF. J(OHN) M(ORTIMER), b. Reston, Man, Nov. 16, 01; nat; m. 26; c. 2. PSYCHOLOGY. B.A. Manitoba, 25; Toronto, 27-28; Ph.D.(ed. psychol), Columbia, 32. Assoc. ed, HOPKINS, 30-37, assoc. prof. psychol, 37-41, ed, 41-47, prof. ED. & PSYCHOL, 47-65, EMER. PROF, 65- Vis. prof, California, Berkeley, 62-64; British Columbia, 65-67. U.S.A.A.F., 43-45, Lt. Fel. Psychol. Assn. Psychology of learning; analyses of teaching success; basic mechanisms of schooling. Publ: Educational psychology, 56, Psychology of classroom learning, 65 & The process of schooling, 67, Hilt. Address: P.O. Box 70, Shawnigan Lake, B.C., Can.

STEPHENS, DR. MARION LEE, JR, b. Little Rock, Ark, Jan. 1, 35; m. 60. PSYCHOLOGY, EDUCATION. A.B. Arkansas, 56, M.Ed., 58; Ed.D.(ed. psychol), Denver, 62. Teacher, Ford Found. Exp. Teacher Training, 56-57; asst. to supt. R-1 Sch. Dist, Jefferson County, Colo, 58-60; res. assoc. bur. ed. res, Univ. Denver, 60-62; asst. prof. psychol, Northeast La. State Col, 62-63; vis. prof. ed. res, State Col. Iowa, 63; ASSOC. PROF. PSYCHOL, SOUTHWEST MO. STATE COL, 63- Dir. psychol. eval, Ozark Area Head Start Prog, 65- Consult, Love & Assocs, 65-; Southwest Diag. Center & Vista Prog, 67- U.S.A.R., 57-63. Psychol. Assn. Evaluation and program

- planning; pre-school children; diagnosis of learning difficulties; developmental studies of concept formation; school facilities planning. Publ: Co-auth, Persuasibility of public and Catholic high school senior, *J. Soc. Psychol.*, 64 & An evaluation of programmed instruction, *J. Ed. Res.*, 65; auth, Educational research and the teacher, *Southwest Mo. Ed. Rev.*, 66. Address: Dept. of Psychology, Southwest Missouri State College, Springfield, Mo. 65802.
- STEPHENS, PROF. MARK W(HEELER), b. Evansville, Ind., Dec. 12, 29; m. 53; c. 2. CLINICAL PSYCHOLOGY. A.B. DePauw, 51; Fulbright scholar, Paris, 51-52; M.A., Ohio State, 54, Ph.D.(psychol.), 56. Asst. prof. PSYCHOL., PURDUE, 56-61, ASSOC. PROF., 61- Consult, Vet. Admin., 57-; Ind. Methodist Children's Home, 58-59. AAAS; Psychol. Asn. Personality, motivation and molar behavior; personality research methodology. Address: Dept. of Psychology, Purdue University, Lafayette, Ind. 47907.
- STEPHENS, DR. P(HILIP) H(OLCOMB), Econ, see 10th ed, Soc. & Behav. Vols, deceased 66.
- STEPHENS, PROF. RICHARD W(ALTON), b. Lancaster, Pa., May 25, 26; m. 49; c. 3. SOCIOLOGY. A.B. Franklin & Marshall Col., 51; M.A. North Carolina, 53, Ph.D.(sociol.), 56. Asst. prof. sociol., GEORGE WASHINGTON, 55-58, assoc. prof. sociol. & anthropol., 59-64, PROF. SOCIOL., 64- ASST. DEAN COL. ARTS & SCI., 61- Lectr., For. Serv. Inst., U.S. Dept. State, 59. Consult, Qm. Corps, U.S. Army, 58. U.S. Merchant Marine, 43-45; U.S.A.A.F., 45-47. Sociol. Asn; Am. Studies Asn. International population problems; complex organization; industrial sociology; organization of higher education. Publ: Co-auth, Power, presidents and professors, Basic Books, 66. Address: Dept. of Sociology, George Washington University, Washington, D.C. 20006.
- STEPHENS, DR. STEPHEN VINSON, b. Little Rock, Ark., Jan. 15, 39; m. 63. POLITICAL SCIENCE. B.S. Calif. Inst. Tech., 60; M.S. Illinois, 61; M.A. Yale, 63, Ph.D.(polit. sci.), 67. Assoc. res. & lectr. POLIT. SCI., Yale, 65-67; ASST. PROF., California, Los Angeles, 67-68; HOPKINS, 68- Physicist, Nat. Bur. Standards, summer 60. Polit. Sci. Asn. American government; methodology, especially quantitative methods; science and government. Address: Dept. of Political Science, Johns Hopkins University, Baltimore, Md. 21218.
- STEPHENS, DR. V. JERONE, b. Gwinnett Co., Ga., Oct. 21, 35; m. 62; c. 2. POLITICAL SCIENCE. A.B. Ga. State Col., 61; M.A. Indiana, 65, Ph.D.(polit. sci.), 67. ASST. PROF. POLIT. SCI., CINCINNATI, 67- U.S.A. 55-57. Polit. Sci. Asn. Logic of social inquiry and of functional analysis in political science. Address: Dept. of Political Science, University of Cincinnati, Cincinnati, Ohio 45221.
- STEPHENS, DR. WILLIAM NEWTON, b. Evansville, Ind., Feb. 3, 27; m. 47; c. 1. SOCIOLOGY, ANTHROPOLOGY. A.B. Colorado, 55; M.A. Boston, 56; Ed.D. Harvard, 59. Soc. Rel. fel., Harvard, 59-61; asst. prof. sociol. & anthropol. & res. assoc. bur. child res., Kansas, 61-65; ASSOC. PROF. SOCIOL., FLORIDA ATLANTIC, 65- U.S.A., 45-47. Sociol. Asn; Psychol. Asn; Soc. Psychol. Study Social Issues. Publ: The family in cross-cultural perspective, Holt, 63; Hypothesis and evidence, Crowell, 68; co-auth, Education & political leanings, In: Political science annual, Vol. II, Bobbs, 67. Address: Dept. of Sociology, Florida Atlantic University, Boca Raton, Fla. 33432.
- STEPHENS, PROF. WILLIAM P(AUL), b. Johnson City, Tenn., May 30, 20; m. 47; c. 2. AGRICULTURAL ECONOMICS. B.S. Tennessee, 48, M.S. 49; Ph.D.(agr. econ), Minnesota, 65. Asst. Tennessee, 48-49; assoc. prof. agr. econ, NEW MEXICO STATE, 49-65, PROF. AGR. ECON. & ASST. DIR. AGR. EXP. STA., 65- Outstanding serv. award, col. agr., New Mexico State Univ., 65. U.S.A.A.F., 41-45. Agr. Econ. Asn. Agricultural administration; livestock marketing. Publ: Cost of pumping irrigation water, Lea County, 1952. Farm organizations and incomes in the Mesilla Valley, New Mexico & Market information and selling of New Mexico cattle, N.Mex. State Agr. Exp. Sta. Bull. Address: Agricultural Experiment Station, New Mexico State University, P.O. Box 3130, Las Cruces, N.Mex. 88001.
- STEPHENS, CHARLES M., b. Kite, Ga., Oct. 23, 10; m. 36; c. 5. ECONOMICS. B.B.A., Emory, 30; M.A. Kentucky, 32. Res. acct., Ky. Tax Reduction Asn, 33; state supvr. Civil Works Admin, Munic. & County Finance Study, Ky, 33-34; admin. asst. bur. bus. res., Kentucky, 34; ECONOMIST, REGIONAL STUDIES STAFF, TENN. VALLEY AUTHORITY, 34- Consult, local govt. of Tenn. Valley region. State and local government and finances; public utility taxation; in-lieu tax payments on federal property; federal-state-local fiscal relations; regional economic development. Publ: Payments in lieu of taxes by public power systems; Industrial sites: a community problem; Local government improvement to aid industrial development, Tenn. Town & City, 1/63. Address: Regional Studies Staff, Tennessee Valley Authority, Knoxville, Tenn. 37902.
- STEPHENS, PROF. CHESTER M(ARK), b. Hartwell, Ohio, May 19, 05. SOCIOLOGY. B.S. Miami (Ohio), 35, A.M., 42; Ph.D., Ohio State, 50. Asst. prof. integrated soc. studies, MIAMI (OHIO), 48-52, assoc. prof. SOC. STUDIES & CHMN. DEPT., 52-61, PROF., 61- Sociol. Asn. Educational sociology; minority groups; family. Publ: Relation between the attitudes toward Negroes of white college students and the college or school in which they are registered, *J. Soc. Psychol.*; A case study of a milk marketing cooperative, *Rural Sociol.*; Married female school teachers, *Marriage & Family Living*. Address: 5877 Oxford-Milford Rd., Oxford, Ohio 45056.
- STEPHENS, F(RANCIS) M(ARION), b. Washington, D.C., June 15, 23; m. 41; c. 2. STATISTICS, ECONOMICS. A.B. Syracuse, 46, fel., 47-48. Acct. clerk Mason-Dixon Lines, 41-43; mgr. sales admin, bonded abrasives div, Carborundum Co., 48-67; MGR. PRICING & PROFIT PLANNING, MONROE INT. INC., LITTON INDUSTS, INC., 67- Bus. & Econ. Res. Center fel., Syracuse, 47-48. U.S.N. 43-46, Lt.(jg). Statist. Asn; Mkt. Asn. Sales administration; business forecasting; development of techniques. Publ: North-south wage differential, *South. Econ. J.* Address: Monroe International Inc, Litton Industries Inc, 550 Central Ave., Orange, N.J. 07051.
- STEPHENSON, DR. PAUL G., b. Rutherford, Tenn., Nov. 3, 32; m. 60; c. 3. POLITICAL SCIENCE. B.S. Tennessee, 59, M.A., 61; Ph.D.(polit. sci.), Emory, 65. Instr. POLIT. SCI., Miss. South. Col., 60-61; Emory, 63-64; asst. prof., TENNESSEE TECH., 64-67, ASSOC. PROF., 67- U.S.A.F., 52-56. Polit. Sci. Asn. Latin American politics. Publ: *Ed. Costa Rica: election factbook*, Inst. Comp. Study Polit. Sys., 65. Address: Dept. of Political Science, Tennessee Technological University, Cookeville, Tenn. 38501.
- STEPHENSON, DR. P(AUL) RONALD, b. Leavenworth, Ind., Mar. 6, 40; m. 63; c. 1. MARKETING. B.S. Indiana, 62; M.B.A. Ohio State, 63, Ph.D.(bus), 66. Asst. instr. MKT., Ohio State, 62-65; ASST. PROF., INDIANA, 66- Mkt. Asn. Consumer behavior; retail operations; channels of distribution; business logistics. Publ: Manufacturers' physical distribution service knowledge and penalties, *Proc. Transportation Res. Forum*, 63; co-auth, The semantic differential: an information source for designing retail patronage appeals, *J. Mkt.*, 67. Address: Dept. of Marketing, Graduate School of Business, Indiana University, Bloomington, Ind. 47401.
- STEPHENSON, DR. RICHARD MANNING, b. Algona, Iowa, Dec. 31, 18; m. 49; c. 3. SOCIOLOGY. B.A. California, Los Angeles, 41; M.A. Columbia, 48, Ph.D., 57. Instr. SOCIOL., DOUGLASS COL., RUTGERS, 48-52, asst. prof., 52-58, ASSOC. PROF., 58- CHMN. DEPT. & MEM. GRAD. FACULTY, 62- Res. assoc. med. center, Cornell, 57-58; prin. investr. Ford Found. res. grant, 63-66; Res. Coun. faculty fel., 66-67. Sociol. consult, N.Y. Infantile Paralysis Asn, 59; Essexfields Res. Cmt., N.J., 61. Med.C., 42-45, Sgt. Sociol. Asn. Social stratification and juvenile delinquency. Publ: Co-auth, Analysis of social systems; auth, Personality changes in the rehabilitation of delinquent boys, *Nat. Inst. Ment. Health*, 1/67; The rehabilitation of delinquent boys, *Ford Found.*, 67. Address: Dept. of Sociology, Douglass College of Rutgers the State University, New Brunswick, N.J. 08903.
- STEPHENSON, DR. RICHARD RYLE, Counseling Psychol, see 10th ed, Phys. & Biol. Vols.
- STEPHENSON, DR. ROBERT L(LOYD), b. Portland, Ore., Feb. 18, 19; m. 46. ANTHROPOLOGY. B.A. Oregon, 40, Lakeview Logging Co. fel., 41-42, M.A., 42; Ferguson fel., Michigan, 51-52, Ph.D.(anthrop), 56. Lab. supvr. archaeol., Texas, 40-41; asst. mus. curator, Oregon, 41-42; field archaeologist, river basin surv., Smithsonian Inst., 46-49, area field dir., Tex., 49-51, chief, Mo. Basin Proj., 52-63, asst. dir., river basin surv., 63-66; COORDINATOR NEV. ARCHAEOLOG. SERV., NEVADA, 66- RES. PROF. ARCHAEOLOG., 67- Asst. prof., Nebraska, 60-63. Asst. ed., Plains Anthropologist, 60-62, ed., 62-63; asst. ed., Am. Antiq., 61-63. U.S.M.C., 42-46, Maj. Fel. AAAS; fel. Anthrop. Asn; Soc. Am. Archaeol.; Soc. Vert. Paleont.; Soc. Appl. Anthrop.; Soc. Hist. Archaeol. Early man; ceramic typology; prehistoric architecture; North American archaeology; anthropology of the Americas; Pleistocene geology of North America. Publ: Excavations at Pueblo Pardo, *Mus. N.Mex.*, 60; co-auth, Accokeek Creek site, *Univ. Michigan*, 63; auth, Quaternary human occupations of the plains, *Yale*, 65. Address: 910 Maplewood Dr., Reno, Nev. 89502.
- STEPHENSON, PROF. WILLIAM, b. Durham, Eng., May 14, 02; m. 29; c. 4. PSYCHOLOGY. Ph.D.(physics), Durham, 26; Ph.D.(psychol.), London, 29; M.A. Oxford, 35. Asst. dir., inst. exp. psychol., Oxford, 35-45, reader exp. psychol. & dir. inst., 45-48; vis. prof. psychol., Chicago, 48-50, lectr., 50-55; dir. res., Nowland & Co., Inc., 55-58; DISTINGUISHED RES. PROF. ADVERT, MISSOURI, COLUMBIA, 58- Vis. prof., California, 51; Walker-Ames prof., Washington (Seattle), 53. Consult, U.S. Dept. Air Force, 52. Brit. Army, 43-47, Brig. Gen. Am. Psychol. Asn; Inst. Mgt; Statist. Asn; fel. Brit. Psychol. Soc. General psychology; methodology; communication theory. Publ: Study of behavior; The play theory of mass communication, *Univ. Chicago*, 67; Foundation of psychometry, *Psychometrika*. Address: School of Journalism, University of Missouri, Columbia, Mo. 65201.
- STEPP, PROF. HUBERT F(ADILLE), b. Marion, N.C., Mar. 23, 15; m. 45. ECONOMICS. B.A. Berea Col., 39; M.A. Virginia, 40, du Pont fel. & Ph.D. (econ), 50. Acting assoc. prof. econ. & govt., Clemson Univ., 41-42; asst. prof. econ., Arkansas, 46-47; assoc. prof., Col. Charleston, 49-51; prof., Winthrop Col., 51-52; self employed, 52-55; assoc. prof. econ., Howard Col., 55-58, prof., 58-64, head dept., 61-64; prof. finance, Southern Mississippi, 64-66; PROF. ECON., WESTERN CAROLINA, 66- HEAD DEPT. MKT., 68- U.S.A., 41-46, Lt. Marketing; management; statistics. Publ: Wage differentials and industry location; Price control of milk in Virginia. Address: Dept. of Marketing, Western Carolina University, Cullowhee, N.C. 28723.
- STEPP, PROF. JAMES M(ARVIN), b. Old Fort, N.C., July 26, 13; m. 42; c. 4. AGRICULTURAL ECONOMICS. A.B. Berea Col., 37; M.A. Virginia, 38, fel., 38-40, Ph.D.(econ), 40. Res. specialist rural indus., CLEMSON, 40-43, asst. prof. AGR. ECON., univ. & asst. agr. economist, exp. sta., 43-44, assoc. prof. & assoc. agr. economist, 44-47, prof. & agr. economist, 47-66, ALUMNI PROF., 66- Agr. economist, bur. agr. econ., U.S. Dept. Agr., 44; econ. consult, 47- AAAS; Econ. Asn. Rural industrial development; agricultural marketing and processing; land and water economics. Publ: Labor supply of a rural industry & Water resource management under southeastern conditions, *S.C. Exp. Sta. Bull.* Address: 252 Riggs Dr., Clemson, S.C. 29631.
- STERCHO, DR. PETER G(EORGE), b. Kuzmynno, Ukraine, Apr. 14, 19; nat; m. 54; c. 2. ECONOMICS, POLITICAL SCIENCE. Ph.D.(econ), Ukrainian Grad. Sch. Econ., Munich, 49; Ph.D.(polit. sci.), Notre Dame, 59. Asst. prof. econ. & polit. sci., St. Vincent Col., 55-60, ASSOC. PROF. polit. sci., 60-63; ECON. DREXEL INST., 63- Mem. adv. bd., Citizenship Clearing House, West. Pa., 57- Summers, vis. prof., Seton Hill Col., 59, vis. assoc. prof., Alberta, 60. Polit. Sci. Asn; Econ. Asn; Acad. Polit. Sci.; Acad. Polit. & Soc. Sci. Nature of money in lights of its functions; nationality, social and economic problems of central eastern Europe; Russian tsarist and Bolshevik imperialism. Publ: National rebirth of Carpatho-Ukraine; Carpatho-Ukraine in international affairs, 1938-1939; The Carpatho-Ukrainian republic, *Shevchenko Sci. Soc.*, 67. Address: 340 Meeting House Lane, Narberth, Pa. 19072.

STERGION, ANDREW P(ETER), b. Nashua, N.H., Nov. 16, 16; m. 42; c. 5. STATISTICS. B.S. Mass. Inst. Tech., 38, M.S., 40. Mem. staff, actuarial dept., Columbian Nat. Life Ins. Co., 40-41; MGR. PROCESS CONTROL ENG. CORNING GLASS WORKS, 46- U.S.A., 42-46, Capt. Statist. Asn; Soc. Qual. Control. Publ: Statistical quality control in glass manufacture & Consumer-vendor relations, Glass Indust. Address: Corning Glass Works, Corning, N.Y. 14830.

STERLING, PROF. HENRY S(OMERS), b. New York, N.Y., Mar. 4, 05; m. 30; c. 2. GEOGRAPHY. B.A. Columbia, 27, A.M., 34; Ph.D.(geog.), Wisconsin, 39. Instr. GEOG. WISCONSIN, 37-41, asst. prof., 41-46, assoc. prof., 46-57, PROF., 57-, chmn. dept., 62-63 & 65-66. Mem. staff, res. & anal. br., Off. Strategic Serv., D.C. & Europe, 41-45; Soc. Sci. Res. Coun. fel., 46-47; dir. interdisciplinary res. team, Venezuelan Andes, 52-53. Consult, Ministry of Agr., Venezuela, 57. Medal of Freedom, 46; Atwood medal, Pan-Am. Inst. Geog. & Hist., 59. Asn. Am. Geog.; Am. Geog. Soc. Trends in agricultural settlement and land use, colonization and agrarian reform in Latin American tropics. Publ: Economic and social problems of the Venezuelan Andes; Evaluation of Mexico's principal types of farm operation, In: Land tenure. Address: 427 Virginia Terr., Madison, Wis. 53705.

STERLING, PROF. MAC, b. Dallas, Tex., Mar. 30, 21; m. 45; c. 2. CLINICAL PSYCHOLOGY. Ph.D.(psychol.), Kentucky, 50. Clin. psychol. supvr., Vet. Admin. Hosp., Waco, Tex., 51-56; PROF. PSYCHOL., BAYLOR, 56-, lectr., 51-56. U.S.A.A.F., 42-45. Psychol. Asn. Psychotherapy; projective techniques; personality theory. Address: Dept. of Psychology, Baylor University, Waco, Tex. 76706.

STERLING, PROF. RICHARD W(HITNEY), b. Los Angeles, Calif., Feb. 16, 22; m. 50; c. 4. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A., Yale, 42, M.A., 47, Ph.D.(int. rels.), 56. U.S. for serv. officer, U.S. Dept. State, 47-51; res. assoc., adv. cmt. for. affairs, South. Regional Ed. Bd., 53-54; instr. GOVT., DARTMOUTH COL., 54-55, asst. prof., 55-59, assoc. prof., 59-62, PROF., 62- U.S.A., 43-46. Polit. Sci. Asn. Theory of international politics; diplomacy; United States and comparative foreign policy; German affairs. Publ: Ethics in a world of power: the political ideas of Friedrich Meinecke. Address: Dept. of Government, Dartmouth College, Hanover, N.H. 03755.

STERMAN, DR. MAURICE B., Physiol. Psychol., see 11th ed, Phys. & Biol. Vols.

STERN, DR. ALEXANDER, b. Budapest, Hungary, Apr. 12, 18; nat; m. 46. CLINICAL PSYCHOLOGY. B.A., Brooklyn Col., 52; Ph.D., Connecticut, 59. CLIN. PSYCHOLOGIST & WARD ADMINSTR., VET. ADMIN. HOSP., 59-, CHIEF PSYCHOL. SERV. & ADMINSTR. PSYCHIAT. SERV., INPATIENT SECT., 67- Clin. assoc., sch. med., State Univ. N.Y., Buffalo, 59-, clin. asst., 62-67, clin. instr., 67- Psychol. Asn; Group Psychother. Asn; Interam. Soc. Psychol. Diagnosis and localization of organic brain pathology. Address: 849 Delaware Rd., Buffalo, N.Y. 14223.

STERN, PROF. CARL, b. New York, N.Y., Nov. 22, 21; m. 52. TRANSPORTATION ECONOMICS. A.B., Colby Col., 43; M.B.A., Pennsylvania, 47, Ph.D. (econ), 54. Instr. transportation, Wharton Sch. Finance & Commerce, Pennsylvania, 46-52; asst. prof. ECON., RANDOLPH-MACON WOMAN'S COL., 52-55, assoc. prof., 55-60, PROF., 60-, CHMN. DEPT., 57- Consult, Chesapeake & Potomac Tel. Co. Va., 64-65; Am. Tel. & Tel. Co., 65-; Lynchburg Gas Co., 67- Econ. Asn. Railroad passenger service and deficits; railroad service abandonments; municipal transit fares and demand. Publ: Co-auth, Outside readings in economics. Address: 1109 Graham St., Lynchburg, Va. 24504.

STERN, DR. CLARENCE AMES, b. McClusky, N.Dak., Jan. 6, 13; m. 46. POLITICAL SCIENCE, HISTORY. A.B., Eastern Michigan, 34; M.A., Wayne State, 38; LaSalle Exten. Univ., 47-49; Ph.D.(hist. polit. sci.), Nebraska, Lincoln, 58. Teacher, pub. schs., Mich., 34-42; asst. prof., col. engr., Lawrence Inst. Tech., 46-50; asst. hist., Nebraska, Lincoln, 51-53; teacher, pub. schs., Mich., 54-55; assoc. prof. hist. & polit. sci., Wayne State Col., 58-65; ASSOC. PROF. CONSTITUTIONAL & POLIT. HIST., WIS. STATE, OSHKOSH, 65- Ford Found. summer grant, Am. Polit. Sci. Asn. Midwest Regional Seminar Polit. Sci., Indiana Univ., 62. U.S.A.A.F., 42-46. Polit. Sci. Asn; Orgn. Am. Historians; Hist. Asn. Political theory; international organization and relations; imperialism; American political parties; conceptions of the purpose of history; post-Civil War protective tariff and trust legislation. Publ: Republican heyday: Republicanism through the McKinley years, 62, Resurgent Republicanism: the handiwork of Hanna, 63 & 68 & Golden Republicanism: the crusade for hard money, 64, Edwards Brothers. Address: Dept. of History, Wisconsin State University, Oshkosh, Wis. 54901.

STERN, DR. DAVID H(AROLD), b. Los Angeles, Calif., Oct. 31, 35. ECONOMICS. B.A., California, Los Angeles, 55; M.A., Princeton, 57, Ph.D., 60. Lectr. econ., California, Los Angeles, 60-61, asst. prof. bus. admin., 61-64; ECON. CONSULT., 64- Lectr., San Diego State Col., 66. Consult, Cowles Cmn., Yale Univ., 67, 68. Econ. Asn; Economet. Soc; Inst. Mgt. Sci. Experimental economics and gaming; bargaining theory; management games; theory of games; utility theory; decision theory. Publ: Some notes on oligopoly theory and experiments, In: Essays in honor of Oskar Morgenstern, Princeton Univ., 67; Bargaining experiments: an exploratory study; co-auth, Note on housing segregation indexes, Soc. Forces, 68. Address: 4970 Cass St., San Diego, Calif. 92109.

STERN, DR. E(RWIN) MARK, Clin. Psychol., see 10th ed, Soc. & Behav. Vols.

STERN, F(RANK) I(RVIN), b. Frankfurt, Germany, Dec. 29, 29; nat; m. 53; c. 3. ECONOMICS. B.S.S., City Col. New York, 51, fel., 51-52; M.A., Columbia, 52. Econ. analyst, Boni, Watkins, Mounteer & Co., 52-54; securities analyst, Arnold Bernhard & Co., 54-56; economist, Grey Advert. Agency, 56-58; asst. gen. mgr. traffic res., New Haven R.R., 58-60; supvr. indust. anal., N.Y. Cent. Syst., 60-64, asst. dir. mkt. res., 64-66, asst. dir. mkt. info. systs., 66-67; DIR., MKT. INFO. SYST., CHICAGO & N. WEST. R.R., 67- Lectr., City Col. New York, 52-59; Quinipiac Col., 59-60; Hunter Col., 61-66.

Econ. consult., 59- Nat. Guard, 48-56. Econ. Asn; Nat. Asn. Bus. Econ; Transportation Res. Forum. Industrial and transportation market research; market analysis and planning supervision; economic analysis and forecasting for industries; marketing systems planning and development. Address: 763 Grove St., Glencoe, Ill. 60022.

STERN, PROF. FRITZ, Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

STERN, PROF. GEORGE G(ORDON), b. New York, N.Y., Oct. 3, 23; m. 42; c. 3. PSYCHOLOGY. Ph.D.(psychol.), Chicago, 49. Asst. prof., supvr. res. & exam., Chicago, 49-53; assoc. prof. psychol., SYRACUSE, 53-59, PROF. PSYCHOL. & HEAD EVAL. SERV., PSYCHOL. RES. CENTER, 59- Danforth lectr., 64-65. Res. consult., dept. pediat., State Univ. N.Y. Upstate Med. Center, 53- Mem. ed. panel, President's Sci. Adv. Coun., 66-68. U.S.A.A.F., 43-46. AAAS; Psychol. Asn; Sociol. Asn; Soc. Psychol. Study Soc. Issues; Ed. Res. Asn; Nat. Coun. Measurement in Ed; Psychonomic Soc. Social psychology; philosophy of science. Publ: Methods in personality assessment; Attitudes of educators towards exceptional children; People in context, Wiley, in press. Address: Dept. of Psychology, Syracuse University, Syracuse, N.Y. 13210.

STERN, DR. HERBERT, b. Hirschaid, Germany, Nov. 27, 27; U.S. citizen; m. 53, 66; c. 5. CLINICAL PSYCHOLOGY. B.A., Evansville Col., 50; M.A., Butler, 52; Ph.D.(clin. psychol.), 63. Psychologist, Cent. State Hosp., Indianapolis, Ind., 52-53; Ind. Reformatory, Pendleton, 53-58; Ind. State Prison, Mich. City, 58-59; Ind. Boys' Sch., Plainfield, 59-60; Vigo County Adult & Child Guid. Clin., 62-64; asst. chief psychologist, Vet. Admin. Hosp., Indianapolis, Ind., 64-66, CHIEF PSYCHOLOGIST, Vet. Admin. Ment. Hyg. Clin., Indianapolis, 66-67, VET. ADMIN. HOSP., INDIANAPOLIS, 67- Res. consult., Dept. Correction, Ind. Reformatory, Pendleton, 65-67; practicing consult., Ind. Girls' Sch., Clermont, 66-67. U.S.A., 46-47. Group psychotherapy; personality. Publ: Co-auth, Interaction in therapy groups as a function of differences among therapists and group size, 65, Personality correlates of patient interaction in group psychotherapy, 66 & Verbal interactions in group psychotherapy between patients with similar and with dissimilar personalities, 66, Psychol. Reports. Address: 5154 N. Capitol Ave., Indianapolis, Ind. 46208.

STERN, DR. LARRY N(ATHAN), b. Newark, Kent, Sept. 17, 41. POLITICAL SCIENCE. B.A., Col. Wooster, 62; summers, Kent State, 60, Michigan, 64, Cologne, 65; Nat. Defense Ed. Act fel. & Ph.D.(polit. sci.), North Carolina, 67. Acting asst. prof. POLIT. SCI., FLA. STATE, 66-67, ASST. PROF., 67- Polit. Sci. Asn. Comparative politics; cross-national study of student activity in politics. Address: Dept. of Government, Florida State University, Tallahassee, Fla. 32306.

STERN, PROF. LOUIS H(AROLD), b. Chicago, Ill., Nov. 9, 20; m. 50. ECONOMICS. B.S., Illinois, 47; M.A., California, Los Angeles, 55, Ph.D.(econ), 64. Asst. prof. econ., Texas A&M, 55-62; dir. river basin projs., Nat. Planning Asn, D.C., 62-66; ASSOC. PROF. ECON., HOUSTON, 66- C.Eng., 43-45. AAAS; Regional Sci. Asn; Econ. Asn; Econ. Hist. Asn. Economic development and history; income and employment theory; economic base studies of the Chesapeake Bay Drainage Basin and the Upper Mississippi River Basin; defining and delineating economic regions. Address: 5353 Institute Lane, Houston, Tex. 77005.

STERN, DR. LOUIS W(ILLIAM), b. Boston, Mass., Sept. 19, 35; m. 62; c. 2. MARKETING. A.B., Harvard, 57; scholar, Pennsylvania, 57-59, M.B.A., 59; Ph.D.(mkt), Northwestern, 62. Asst., Northwestern, 59-61; staff mem., Arthur D. Little, Inc., 61-63; asst. prof. bus. orgn., Ohio State, 63-64, res. grant, col. commerce & admin., 64-65; asst. proj. leader, Nat. Cmn. Food Mkt., 65-66; ASSOC. PROF. BUS. ORGN., OHIO STATE, 66- Res. grant, col. commerce & admin., Ohio State, 67-68. U.S.A.R., 58-62. Mkt. Asn. Price maintenance; marketing history; research methodology in marketing; industrial organization and its affect on marketing expenditures and performance; interorganization management of distribution channels and other goal-oriented systems. Publ: Distribution channels: behavioral dimensions, Houghton, 68; co-auth, Studies of organization and competition in grocery manufacturing, Nat. Cmn. Food Mkt., U.S. Govt. Printing Off., 6/66; Mutually recognized interdependence, concentration, and the allocation of marketing resources, J. Bus., 1/68. Address: Dept. of Business Organization, Ohio State University, 1775 S. College Rd., Columbus, Ohio 43210.

STERN, DR. MARVIN, Psychiat., see 11th ed, Phys. & Biol. Vols.

STERN, PROF. MURIEL H(ARRET), Psychol., see Suppl. V to 11th ed, Phys. & Biol. Vols.

STERN, DR. PAUL J(ACOB), b. Aachen, Germany, June 6, 21; nat; m. 52; c. 1. ABNORMAL PSYCHOLOGY. Brussels, 39-40; Zurich, 43-45, 48-49; California, Los Angeles, 53-55; Ph.D., Harvard, 58. Asst. psychologist, health serv., HARVARD, 56-58, LECTR. PERSONALITY & ABNORM. PSYCHOL., 58-, psychologist, health serv., 58-64. Psychol. Asn. Normal and abnormal psychology; psychotherapy; psychoanalysis; existential psychology. Publ: The abnormal person and his world, Van Nostrand, 64. Address: 334 Harvard St., Cambridge, Mass. 02139.

STERN, PROF. ROBERT H, b. Herkimer, N.Y., Aug. 21, 20; m. 49; c. 3. POLITICAL SCIENCE. A.B., Syracuse, 41; fel., Harvard, 47-50, Ph.D.(govt), 51. Tutor govt., Harvard, 47-50; asst. prof., STATE UNIV. N.Y. BUFFALO, 50-55, from assoc. prof. to PROF. POLIT. SCI., 56- Consult, State Temporary Cmt. Revision & Simplification of the Constitution, N.Y., 57-58, Joint Legis. Cmt., 58- U.S.N.R., 43-46, Lt.(jg). Polit. Sci. Asn. American government, public administration and political ideas and parties. Publ: Cities of New York. Address: Dept. of Political Science, State University of New York at Buffalo, Buffalo, N.Y. 14214.

STERN, PROF. ROBERT M(ITCHELL), b. Boston, Mass., Aug. 26, 27; m. 53; ECONOMICS. B.S., California, 48; M.B.A., Chicago, 52; univ. fel. Columbia, 55-56, Alumni fel., 56-57, Ford Found. fel., 57-58, Ph.D.(econ), 58. Fulbright fel., Netherlands, 58-59; asst. prof. ECON., Columbia, 59-61; from

- asst. prof. to PROF. MICHIGAN, 61- Am. Econ. Assn; Royal Econ. Soc. International trade, finance and economic development. Publ: Use of agriculture surpluses in financing development, *Economia Internazionale*; Century of food exports, *Kyklos*; Price responsiveness of primary producers, *Rev. Econ. & Statist.* Address: Dept. of Economics, University of Michigan, Ann Arbor, Mich. 48104.
- STERN, PROF. THEODORE, b. Briarcliffe, N.Y., July 27, 17; m. 42; c. 2. ANTHROPOLOGY. A.B. Bowdoin Col, 39; A.M. Pennsylvania, 41, Ph.D. (anthrop), 48. Asst. prof. ANTHROP, OREGON, 48-56, assoc. prof. 56-64, PROF, 64- Fulbright res. fel, Burma, 54-55; Nat. Sci. Found. grant Thailand res, 64-65. U.S.A., 42-45. Fel. Anthropol. Assn; Ethnol. Soc; Burma Res. Soc. Culture change; ethnolinguistics; American Indian; Southeast Asia. Publ: The rubber-ball games of the Americas, Augustin, 50; The Klamath tribe, Univ. Washington, 65; co-auth. The native Americans, Harper, 65. Address: Dept. of Anthropology, University of Oregon, Eugene, Ore. 97403.
- STERN, PROF. T(HOMAS) NOEL, b. Pittsburgh, Pa., July 7, 13; m. 41; c. 4. POLITICAL SCIENCE. B.A. Swarthmore Col, 34; Inst. Int. Ed. exchange fel, Lyons, France, 34-35; M.A. Pennsylvania, 40, Ph.D.(polit. sci.), 42. Assoc. prof. govt, Boston, 45-53, dir, U.S. House, Univ. Paris, 53-56; pub. admin. training expert & acting chief mission, UN Tech. Asst. Admin, Ethiopia, 56-57; dir. res. & statist, State Dept. Revenue, Pa., 57-60; pres, West Chester State Col, 60-61; res. prof. & chief, Boston Univ.-U.S. Agency Int. Develop. Pub. Admin. Mission, Guinea, 62-63; PROF. POLIT. SCI. & CHMN. DEPT, SOUTHEAST. MASS. TECH. INST, 64- Lectr. Am. Friends Serv. Insts, 48-53; Fulbright lectr, Univs. Rennes & Strasbourg, 52-53; vis. prof, Vermont, 64; summer instr. & tour leader, Lincoln Univ.-U.S. Agency Int. Develop. proj, Pac. Coast, 66. Res. consult, Vt. State Cols, 64. Polit. Sci. Assn; Soc. Pub. Admin. Comparative government and French political thought; state government and educational administration. Publ: Essay Quaker political ideal & Social thought of Albert Camus, (in press), Int. Rev. Hist. & Polit. Sci.; Essay on Quaker political ideas, Social Sci. Address: College of Arts & Science, Southeastern Massachusetts Technological Institute, North Dartmouth, Mass. 02747.
- STERNBACH, DR. RICHARD A(LAN), Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.
- STERNBERG, PROF. HILGARD O'REILLY, b. Rio de Janeiro, Brazil, July 5, 17; m. 42; c. 5. GEOGRAPHY. Bacharel, Brazil, 40, lic, 41, Doutor, 58; Ph.D. La. State, 56; summer, California, 43; hon. Dr, Toulouse, 62. Asst. prof. GEOG, Brazil, 42-44, PROF, 44-64; CALIFORNIA, BERKELEY, 64- Vis. prof, Indiana, 59; Guggenheim fel, 50; vis. prof, Heidelberg, 61; Stockholm Sch. Econ, Sweden, 61; Columbia, 63. Mem. adv. cmt. arid zone res, UNESCO; exec. secy, Brazilian Nat. Cmt. Int. Geog. Union, 53, 1st v-pres, Union, 56-60. Comendador, Nat. Order Merit, Brazil, 56; best pub. award, Nat. Coun. Geog. Ed, 66; comendador, Order Rio Branco, Brazil, 67. Geog. Soc; Geophys. Union; cor. mem. Royal Geog. Soc; hon. mem. Geol. Soc. France; Asn. French Geog; German Acad. Natural Sci; Swedish Soc. Anthropol. & Geog; German Geog. Soc; Brazilian Geog. Assn; Brazilian Acad. Sci.(secy, 57-58). Geomorphology; agrarian geography; pioneer settlements in Brazil. Publ: A Agua e o Homem na Várzea do Caireiro; Brazil: complex giant, For. Affairs, 65; Die Viehzucht im Caireiro-Cambix Gebiet, Heidelberg Geographische Arbeiten, 66. Address: Dept. of Geography, University of California, Berkeley, Calif. 94707.
- STERNBERG, DR. SAUL, b. New York, N.Y., Aug. 30, 33; m. 60. EXPERIMENTAL PSYCHOLOGY. B.A. Swarthmore Col, 54; Woodrow Wilson fel, Harvard, 54-55, M.A. 58, Soc. Sci. Res. Coun. fel, 58-59, Ph.D.(soc. psychol), 60; Nat. Sci. Found. fel, Cambridge, 59-60, dipl, 60. Instr. psychol, Pennsylvania, 60-61, asst. prof, 61-64; MEM. TECH. STAFF BEHAV. & STATIST. RES. CENTER, BELL TEL. LABS, MURRAY HILL, 64- Psychol. Assn; Psychonomic Soc; Psychomet. Soc. Human information processing; short-term memory; memory retrieval; selective attention; reaction-time; stochastic models. Publ: Stochastic learning theory, In: Handbook of mathematical psychology, Vol. 2, Wiley, 63; High-speed scanning in human memory, Science, 153:652-654; Two operations in character recognition: some evidence from reaction-time measurements, Perception & Psychophys, 2: 45-53. Address: 16 Oak Ridge Ave, Summit, N.J. 07901.
- STERNE, DR. RICHARD, b. New York, N.Y., Nov. 15, 29; m. 54; c. 1. SOCIAL WORK. B.B.A. City Col. New York, 53; M.S.W. Washington (St. Louis), 58, Off. Voc. Rehab. fel, 61-63, D.S.W. 67. Caseworker & acting clin. adminstr, s.br. clin. child guid. sect, St. Louis Health Div, 58-61; instr. & res. assoc, Brown Sch. Soc. Work, Washington (St. Louis), 63-65; ASST. PROF. RES. METHODS & HUMAN GROWTH & BEHAV. SCH. SOC. WORK, MARYLAND, 67- U.S.A., 48-49, 50-51. Nat. Assn. Soc. Workers; Acad. Cert. Soc. Workers; Coun. Soc. Work Ed; Soc. Study Social Probs; Sociol. Assn. Research in professional social work education; clinical research in the casework process. Publ: Structural components of the role concept: casework implications, 62, Quantifying the seriousness of behavioral deviations: a study of juvenile offenses, 63 & The initial influence of structural variations in casework field instruction upon students' mastery of classroom knowledge, 67, Brown Studies. Address: University of Maryland School of Social Work, 525 W. Redwood, Baltimore, Md. 21201.
- STERNE, DR. RICHARD S(TEPHEN), b. Philadelphia, Pa., May 9, 21; m. 48; c. 3. SOCIOLOGY. B.A. Swarthmore Col, 42; M.A. Duke, 47; Ph.D. Pennsylvania, 62. Instr. sociol, Tufts Col, 48-49; Northeastern, 49-50; budget & res. dir, R.I. Community Chests, Inc, 51-54; Del. Valley United Fund, 55-60; res. dir, Soc. Serv. Coun. Greater Trenton, N.J., 60-62; DIR. RES. WELFARE PLANNING COUN. DADE COUNTY, 62- Asst. prof, Miami (Fla), 62-67, assoc. prof, 67- Dir, Surv. & Consult. Serv, 58- Consult, State Cmt. Mid-Century White House Conf. Children & Youth, 49; City of Trenton; S. Fla. Desegregation Consult. Center, 67-68; Vet. Admin. Hosp. St. Petersburg & child develop. center, Univ. Miami, 68- Sociol. Assn; Soc. Criminol; Nat. Assn. Soc. Workers. Urban sociology; criminology; methodology; personality. Publ: Delinquent conduct and broken homes, Col. & Univ, 64; Social problem levels in City of Miami, City of Miami, 67; Components and stereotypes in ecological analyses of social problems, Urban Affairs Quart, 9/67. Address: 8901 S.W. 110th St, Miami, Fla. 33156.
- STERNER, DR. FRANK M(AURICE), b. Lafayette, Ind., Nov. 28, 35; m. 58; c. 2. INDUSTRIAL PSYCHOLOGY. B.S. Purdue, 58, M.S. 59, Ph.D.(behav. sci. & indust. rels), 62. Sr. staff specialist, Gen. Motors Inst. Gen. Motors Corp, Mich, 62-63, dir. personnel res, AC Electronics Div, Wis, 63-66, dir. personnel develop. & res, 66-68; SR. ASSOC. EXEC. MGT. & ORGN. DEVELOP, NOURSE, STERNER & ASSOCS, 68- Consult, AC Electronics Div, Gen. Motors Corp, 68- Psychol. Assn; Soc. Training & Develop; Indust. Rel. Res. Assn. Publ: Determining training needs: a method, Training Dirs. J, 9/65; Personnel research and the training function, Training & Develop. J, 2/66; Employee motivation, Personnel Adminstr, 9/67. Address: 1201 N. Prospect Ave, Milwaukee, Wis. 53202.
- STERNITZKE, PROF. V(INCENT) L(EO), b. Boonville, Mo., July 7, 25; m. 47; c. 2. EDUCATIONAL PSYCHOLOGY. B.S. Kansas State Col, 48, M.S. 53; Ed.D. Kansas, 57. Instr. graphic arts, North. Okla. Jr. Col, 49-55; asst. reading & study skills clin, Kansas, 55-57; asst. prof. ed. psychol. & guid, Sam Houston State Teachers Col, 57-59, assoc. prof, 59-67; TEST OFFICER STUDENT AFFAIRS & ASST. PROF, CHICO STATE COL, 67- U.S.N.R., 43-46, Comdr. Psychol. Assn; Personnel & Guid. Assn. Adult reading improvement; organization of psychometric data for counseling; techniques for placement in specific courses and programs. Address: Chico State College, Chico, Calif. 95926.
- STERNLICHT, DR. MANNY, b. New York, N.Y., July 21, 32; m. 54; c. 3. CLINICAL & EXPERIMENTAL PSYCHOLOGY. B.A. City Col. New York, 53, M.A. 54; M.S. Yeshiva, 58, Ph.D. 60. Intern, Kings County Hosp, 57-58; asst. prof. psychol. & head dept, Rockford Col, 58-60; CHIEF CLIN. PSYCHOLOGIST, WILLOWBROOK STATE SCH, 60- Consult, psychologist, Staten Island Aid Retarded Children, 60- Asst, Yeshiva, 57-58, vis. asst. prof, 61, assoc. prof, 65- Clin. psychologist, Inst. Juvenile Res, 59-60. Psychol. consult, Soc. Security Admin, 61. AAAS; Psychol. Assn; Asn. Ment. Deficiency; Group Psychother. Assn; Soc. Clin. Exp. Hypnosis. Mental deficiency; development of projective techniques; perception as related to the reduction of need tensions; psychotherapeutic techniques. Publ: Psychotherapeutic procedures with the retarded, Academic, 66; Theoretical model for the psychological treatment of mental retardation, Am. J. Ment. Deficiency, 64; The clinical psychology internship, Ment. Retardation, 66. Address: 143 Wilson Terr, Staten Island, N.Y. 10304.
- STERNLIEB, PROF. GEORGE, b. New York, N.Y., Aug. 16, 28; m. 58; c. 2. CITY PLANNING. B.A. Brooklyn Col, 50; M.B.A., Harvard, 53, D.B.A. 62; Samuel Stouffer fel, joint center urban studies, Harvard-Mass. Inst. Tech, 59-61. Merchandising exec, Bloomingdale's, N.Y., 53-58; res. assoc, bus. sch, Harvard, 58-59; assoc. prof. CITY PLANNING, GRAD. SCH. BUS. ADMIN, RUTGERS, 62-65, PROF, 65-, HEAD MKT. GROUP, 63-, DIR. RES. CENTER, 66- Econ. Assn. Urban economics; marketing. Publ: The future of the downtown department store, Harvard, 62; Garden apartment houses: a municipal cost revenue analysis, Rutgers, 64; The tenement landlord, Urban Studies Center, Rutgers, 66. Address: Graduate School of Business Administration, Rutgers, The State University, 26 James St, Newark, N.J. 07102.
- STERNLIGHT, DR. DAVID, b. New York, N.Y., Feb. 9, 33; m. 60; c. 4. MATHEMATICAL ECONOMICS, OPERATIONS RESEARCH. S.B. Mass. Inst. Tech, 60; Ph.D.(math. econ), London Sch. Econ, 62. Asst. math. prog, Mass. Inst. Tech, 53-54; math programmer, Rand Corp, 56-57; Int. Bus. Mach. Corp, 57-59; consult. statist. & systs, UN, 59-60; econ. & statist, UNESCO, 60-62; dir. comput. sci, Ementron Inc, LITTON INDUSTS, INC, 62-64, mgt. sci, appl. sci. div, 64-65, DIR. MGT. SCI. & COST ECON. ANAL, ADV. MARINE TECH. DIV, 65- Consult, White House Task Force Urban Employ. Opportunities, 67. U.S.A., 54-56, 1st Lt. Inst. Mgt. Sci; Asn. Comput. Mach. Systems analysis, cost-effectiveness and management sciences as applied to military and civilian problems, particularly de-novo cities, marine transportation, logistics systems, and information and control systems, Address: Litton Industries, Inc, 9920 W. Jefferson Blvd, Culver City, Calif. 90230.
- STERNLIGHT, DR. PETER D, b. New York, N.Y., May 21, 28; m. 56; c. 2. ECONOMICS. B.A. Swarthmore Col, 48; M.A. Harvard, 50, Ph.D.(econ), 60. Economist, Fed. Reserve Bank of New York, 50-60, chief domestic res, 60-61; aide to under secy. monetary affairs, U.S. Treas, 61, dep, 65-67; mgr. securities dept, FED. RESERVE BANK OF NEW YORK, 62-64, asst. v-pres. OPEN MKT. OPERS, 64-65, V.PRES, 68- U.S. Treas. except. serv. award, 67. U.S.A., 50-52, Sgt. Econ. Assn; Finance Assn. Money and banking; American financial institutions. Publ: Reserve settlement periods of member banks; comment, 3/64 & Member bank reserve settlement periods: further comment, 9/64, J. Finance. Address: 301 Garfield Place, Brooklyn, N.Y. 11215.
- STERRITT, DR. GRAHAM M(INOR), b. New York, N.Y., Dec. 28, 27; m. 52; c. 3. PSYCHOLOGY. B.A. Adelphi Col, 50; M.A. City Col. New York, 51; Ph.D.(psychol), Colorado, 56. Psychometrist, voc. guid. unit, City Col. New York, 51; intern psychol, Elgin State Hosp, Ill, 52-53; Colo. Psychopath. Hosp, Denver, 54; U.S. Pub. Health Serv. fel, Yale, 56-57; instr. clin. psychol, MED. CENTER, COLORADO, 57-58, asst. prof, 58-65, ASSOC. PROF. PSYCHOL, 65-, U.S. Pub. Health Serv. trainee, univ, 53-56. Scripps fel, San Diego Zoo, Calif, 60; Nat. Insts. Health res. career develop. award, 62-67. Psychol. Assn; Soc. Res. Child Develop. Effects of need upon behavior; perceptual factors related to language and reading ability. Publ: Reinforcement effects of specific components of feeding in young leghorn chicks, J. Comp. & Physiol. Psychol, 65, Auditory and visual rhythm perception in relation to reading ability in fourth grade boys, Perceptual & Motor Skills, 66 & Chronic pump feeding of leghorn chicks via implanted esophageal tubes, J. Appl. Physiol, 67. Address: Division of Clinical Psychology, University of Colorado Medical Center, 4200 E. Ninth Ave, Denver, Colo. 80220.
- STESLICKA, DR. WILLIAM E, b. Detroit, Mich., Nov. 1, 31. POLITICAL SCIENCE. A.B. Wayne State, 54; M.A. Michigan, 58, Ph.D.(polit. sci.), 65. Lectr. POLIT. SCI. Michigan, 63-64; asst. prof, Illinois, 64-67; VIS. ASSOC. PROF. COLUMBIA, 67- Univ. Illinois Comp. Int. Studies grant, summer 66. U.S.A., 54-56, Polit. Sci. Assn; Asn. Asian Studies. Comparative politics; modern Japanese and British politics especially problems of medical care, social

welfare, urban life, political parties and leadership. Publ: The Japan Medical Association and the Liberal Democratic party, Studies Asia, 65. Address: East Asian Institute, Columbia University, New York, N.Y. 10027.

STETLER, DR. HENRY G(RUBER), b. Wyomissing, Pa, July 26, 06; m. 31. SOCIOLOGY. B.S. Franklin & Marshall Col, 28; M.A. Columbia, 30. Ph.D. (sociol), 44. Instr. sociol, Maine, 31-35; Colgate, 36-38, Rutgers, 38-39; Temple, 40-41; asst. prof, Connecticut, 41-46; res. dir, Conn. Cmn. Civil Rights, 47-65; RES. PROF. SOCIOL, CONNECTICUT, 65- Fel. Sociol. Asn; Nat. Asn. Intergroup Rel. Officials. Minority groups; intergroup relations. Publ: Attitudes toward racial integration in Connecticut; Comparative study of Negro and white dropouts in Connecticut; Private interracial neighborhoods in Connecticut. Address: Spring Hill, Storrs, Conn. 06268.

STETTNER, DR. EDWARD A(LBERT), b. New York, N.Y., Feb. 18, 40; m. 66; c. 1. POLITICAL SCIENCE. B.A. Brown, 62; M.A. Princeton, 64, Ph.D. (polit), 68. Lectr. POLIT. SCI, Rutgers, 65-66; instr, WELLESLEY, 66-68, ASST. PROF. 68- Polit. Sci. Asn. Political theory; American political thought; European politics. Address: Dept. of Political Science, Wellesley College, Wellesley, Mass. 02181.

STETTNER, DR. LAURENCE JAY, b. New York, N.Y., Nov. 6, 38; m. 58; c. 3. PSYCHOLOGY. B.A. Brooklyn Col, 59, M.A. 60; Ph.D.(psychol), Stanford, 63. Asst. prof. PSYCHOL, WAYNE STATE, 63-67, ASSOC. PROF. 67- Nat. Sci. Found. res. grants, 64-69; Nat. Insts. Health spec. res. fel, 67-68. Psychol. Asn; Animal Behav. Soc. Learning, brain structure and intelligence; social behavior in animals. Publ: Co-auth, Monogamous reactions in laboratory-reared Bobwhite quail, *Colinus virginianus*, J. Comp. & Physiol. Psychol, 62: 160-162; Successive reversal learning in the Bobwhite quail, *colinus virginianus*, Animal Behav, 15: 1-5; Brain lesions in birds: effects on discrimination acquisition and reversal, Science, 155: 1689-1692. Address: Dept. of Psychology, Wayne State University, Detroit, Mich. 48202.

STETTNER, DR. WALTER F(RITZ), b. Trieste, Italy, June 28, 14; nat; m; c. 2. ECONOMICS. Dr. juris, Vienna, 37; scholar, Harvard, 39-43, M.A. 41, Ph.D.(econ), 44. Economist, bd. governors, Fed. Reserve Syst, 43-48; from asst. chief to chief intra-European payments br, Econ. Coop. Admin, 48-50, spec. econ. adv, European Prog. Div, 50-52; dep. dir. European Prog. Div, Mutual Security Admin, 52-53, econ. adv, U.S. Regional Off, Paris, 54-55; regional economist for Far East, Int. Coop. Admin, 56-58; sr. economist, President's Coun. Econ. Advisers, 58-62; exec. secy, Orgn. Econ. & Coop. Develop. Consortium for Turkey, 63-65; ECON. ADV. AGENCY INT. DEVELOP, ARGENTINA, 65- Lectr, Hopkins, 47-48. Econ. Asn. History of thought on the public debt in Great Britain and Germany; United States budget reform; fiscal policy for full employment; European regional cooperation; economic development; integration of Latin America. Publ: Sir James Stuart on the public debt, Quart. J. Econ; Public works and services in the post-war economy, Postwar Econ. Studies; Carl Dietzel, public expenditures and the public debt, In: Income, employment and public policy. Address: US AID Buenos Aires, c/o Dept. of State, Washington, D.C. 20521.

STEVENS, PROF. A(LDEN) JAY, b. Tooele, Utah, Aug. 30, 40. POLITICAL SCIENCE. B.S. Brigham Young, 68; M.A. Maryland, 66, Nat. Sci. Found. fel, 66-68. Asst. PROF. POLIT. SCI, CALIF. STATE COL. LONG BEACH, 68- Consult, U.S. Civil Serv. Cmt, Wash, D.C., 68- Polit. Sci. Asn. Political behavior; public administration; political socialization, motivation and participation in politics; urban problems; organization theory. Address: Dept. of Political Science, California State College at Long Beach, Long Beach, Calif. 90804.

STEVENS, DR. BARBARA BRUCE, b. Manhattan, N.Y., Nov. 9, 31. POLITICAL SCIENCE. B.A. Smith Col, 53; M.A. Yale, 57, Ph.D.(polit. sci), 63. ASST. PROF. POLIT. SCI, CONNECTICUT, 64- Polit. Sci. Asn; Hist. Asn; Soc. Historians of Am. For. Rel; Soc. Int. Law; Int. Studies Asn; Int. Peace Res. Asn. Quasi-military groups and international organization; international supervision of plebiscites, elections, and expressions of opinion since 1945. Address: Dept. of Political Science, University of Connecticut, Storrs, Conn. 06268.

STEVENS, PROF. BENJAMIN H(AZARD), b. Plainfield, N.J., Jan. 20, 29; m. 52; c. 4. ECONOMICS. B.M.E., Ga. Inst. Tech, 51; M.C.P., Mass. Inst. Tech, 54, Ph.D.(regional planning, econ), 59. Asst. proj. engr, C.M. Guest & Sons Co, 47-48; asst. plant engr, Atoyac Textil, S.A. Mex, D.F., 51-52; resident planner, Adams, Howard & Greeley, 53; asst. center urban & regional studies, Mass. Inst. Tech, 55-56; res. assoc, REGIONAL SCI, WHARTON SCH, PENNSYLVANIA, 56-58, lectr, 58-59, asst. prof, 59-61, assoc. prof, 62-66, PROF, 66- Ford Found. faculty res. fel, 60-61. V.pres, 66- & treas, Regional Sci. Res. Inst, 66-68, dir. & res. assoc, 56-, pres, 66-, co-ed, J. Regional Sci, 58- Mem. cmt. pollution, Nat. Acad. Sci, 65-66. Regional Sci. Asn.(treas, 57-60, pres, 68); Econ. Asn; Economet. Soc; Inst. Mgt. Sci; Math. Asn; Opers. Res. Soc. Regional science and economics; operations research; location theory; theory of rent; applications of linear programming, game theory and other mathematical techniques to problems of industrial location, regional development and spatial interaction. Publ: Co-auth, Industrial location: a review and bibliography of theoretical, empirical, and case studies, Regional Sci. Res. Inst, 67; auth, Linear programming and location rent, J. Regional Sci; Location theory and programming models; the von Thünen case, Papers Regional Sci. Asn, 68. Address: Dept. of Regional Science, Wharton School, University of Pennsylvania, Philadelphia, Pa. 19104.

STEVENS, PROF. CARL MANTLE, b. Washington, D.C., Mar. 18, 20; m. 46; c. 2. ECONOMICS. B.A. Reed Col, 42; fel, Harvard, 48-51, M.A., 50, Ph.D. (econ), 51. Fel. inst. human rels, Yale, 51-54, asst. prof, ECON, univ, 52-54; REED COL, 54-57, assoc. prof, 57-61, PROF, 61- Brookings Inst. nat. res. prof, 59-60; Wertheim res. fel, 60; Soc. Sci. Res. Coun. faculty res. fel, 62-63; vis. prof, Harvard, 66-67; U.S. Pub. Health Serv. res. grant, 66- Consult, Ore. Nurses Asn, 61-; res. adv. Pakistan Inst. Develop. Econ, Karachi, summer, 67; mem, Nat. Adv. Health Manpower Coun, 67- U.S.N.R., 42-46, Lt. Am. Econ. Asn; Am. Indust. Rel. Res. Asn; Int. Indust. Rel. Res. Asn. Labor economics, including manpower planning; collective bar-

gaining, particularly negotiation theory and analytics of mediation and arbitration; medical economics, analysis of efficiency of medical services markets. Publ: Behavior theory and social science, Yale, 55; Strategy and collective bargaining negotiation, McGraw, 63; The analytics of voluntary arbitration: contract disputes, Indust. Rel. Serv, 10/67. Address: Dept. of Economics, Reed College, Portland, Ore. 97202.

STEVENS, PROF. DAVID, b. Burbank, Calif, Jan. 26, 23; m. 48. ECONOMICS. A.B. Whitman Col, 47; M.B.A., Stanford, 49. Asst. prof. bus. admin, Okla. Agr. & Mech. Col, 49-51; ECON, WHITMAN COL, 51-54, assoc. prof, 54-56, PROF, 56-, dir. men's affairs, 53-54, dean admin, 54-64. Vis. lectr, Glasgow, 64-66. U.S.N.R., 43-46, Lt.(jg). Econ. Asn. History of economic thought; money and banking. Address: 1231 S. Second Ave, Walla Walla, Wash. 99362.

STEVENS, DR. DAVID T.W., b. Mt. Sterling, Ky, Apr. 18, 10; wid; c. 1. SOCIOLOGY, ANTHROPOLOGY. B.S. Southeast. State Col, 32; M.S. Okla. State, 52, Ed.D. 60. ASSOC. PROF. phys ed, SOUTHEAST. STATE COL, 41-56, geog, 56-60, soc. sci, 60-66, SOCIOL, 66- Ground instr, U.S. Navy V-5 Prog, Las Vegas, N.M., 42-43. U.S. Maritime Serv, 43-46. Address: Dept. of Sociology, Southeastern State College, Durant, Okla. 74701.

STEVENS, DR. EDWARD JOSEPH, III, b. Philadelphia, Pa, Aug. 27, 35; m. 57; c. 2. ECONOMICS. B.A. Haverford Col, 57; M.A. Yale, 59, Ph.D.(econ), 66. ASST. PROF. ECON, SYRACUSE, 62- Econ. Asn; Finance Asn. Monetary theory; financial institutions. Publ: Deposits at savings and loan associations, Yale Econ. Essays, fall 66. Address: Dept. of Economics, Syracuse University, Syracuse, N.Y. 13210.

STEVENS, DR. EVELYN P(ANIAGUA), b. Chicago, Ill, Jan. 30, 19; m. 66; c. 2. POLITICAL SCIENCE. B.A. California, Berkeley, 61, Falk Found. fel. & M.A. 63, Ph.D.(polit. sci), 68; Fulbright fel. Mex. 65. Lectr. Latin Am. polit, Case Western Reserve, 68; ASST. PROF. POLIT. SCI, AKRON, 68- Polit. Sci. Asn; Latin Am. Studies Asn. Latin American politics and government; comparative politics; American government; constitutional law. Publ: Mexican Machismo: politics and value orientations, West. Polit. Quart, 12/65. Address: Dept. of Political Science, University of Akron, Akron, Ohio 44304.

STEVENS, PROF. GEORGE A, b. Oldhams, Va, July 20, 18; m. 42; c. 2. AGRICULTURAL ECONOMICS. B.S. Va. Polytech, 41; summers, Connecticut, 54 & 65; Ph.D. Maryland, 57. Teacher, high sch, 41; asst. mgr, South. States Coop, 46; instr. AGR. ECON, COL. AGR, MARYLAND, 49-54, asst. prof, 54-60, ASSOC. PROF, 60- U.S.A., 41-46, Maj. Agr. Econ. Asn. Farm management. Publ: Auth, Maryland farm planning data, In: Information series number 6, 64, co-auth, A comparison of forage handling systems, Bull. 210, 66 & auth, Programming the farm, In: Maryland agri-economics, 67, Univ. Maryland. Address: Dept. of Agricultural Economics, University of Maryland, College Park, Md. 20740.

STEVENS, PROF. GEORGE P(UTNAM), b. Hammond, Ind, Nov. 1, 18; m. 54; c. 1. CARTOGRAPHY, POLITICAL GEOGRAPHY. B.S., Indiana, 41; Ph.M., Wisconsin, 45, Ph.D.(geog), 62. Instr. GEOG, Okla. State, 46-49; PROF, NORTHERN ILLINOIS, 50- Asn. Am. Geog; Am. Geog. Soc; Cong. Surv. & Mapping. Middle East petroleum and agriculture; urban land use in northern Illinois. Address: Dept. of Earth Sciences, Northern Illinois University, DeKalb, Ill. 60115.

STEVENS, DR. HAZEL H(ANSFORD), b. Romona, Ind, Mar. 15, 91; m. 34. CLINICAL PSYCHOLOGY. A.B. Indiana, 13, scholar, 18-19, Ph.D.(psychol), 20. Dir. soc. work & psychol. tests, outpatient dept, Madison State Hosp, Ind, 19-34; clin. psychologist, Family Serv. Asn, Indianapolis, 34-40; med. center, INDIANA, 40-50, chief clin. psychologist, 50-58, assoc. prof. MED. SCH, 56-57, EMER. ASSOC. PROF. PSYCHIAT, 57- Consult, Suerman Coleman Maternity Home, 46-; children's div, Marion County Dept. Pub. Welfare, 57-; Lutheran Child Welfare, 59- Psychol. Asn. Study of a degenerate family group; Rorschach; early parent-child relationship. Address: 1317 W. Michigan St, Indianapolis, Ind. 46202.

STEVENS, DR. JOE BRUCE, b. Wray, Colo, Aug. 21, 36; m. 61; c. 1. AGRICULTURAL ECONOMICS. B.S. Colorado State, 58; M.S. Purdue, 62; Ph.D. (agr. econ), Oregon State, 65. ASST. PROF. AGR. ECON, California, Berkeley, 65-66; OREGON STATE, 67- U.S.A.F., 58-61, Lt. Agr. Econ. Asn. Economics of environmental quality, especially water quality and recreation; marine resources economics; agricultural factor market policies. Publ: Recreation benefits from water pollution control, Water Resources Res, 66; Angler success as a quality determinant of sport fishery recreational value, Trans. Am. Fisheries Soc, 66; Economics of recreation, In: A symposium on the Maine Coast: prospects and perspectives, Center Resource Studies, Bowdoin Col, 66. Address: Dept. of Agricultural Economics, Oregon State University, Corvallis, Ore. 97331.

STEVENS, DR. JOSEPH C(HARLES), Exp. Psychol, see 11th ed, Phys. & Biol. Vols.

STEVENS, PROF. MORRIS LEONARD, b. Webster City, Iowa, Jan. 18, 16; m. 46; c. 6. ECONOMICS. A.B. Houghton Col, 41; J.D. Wisconsin, 47, M.A., 49, Ph.D.(econ), 59. Instr. ECON, Kans. State Teachers Col, 49-51; asst, Wisconsin, 51-54; asst. prof, Bridgewater Col, 54-56; KANS. STATE COL. PITTSBURG, 56-59, assoc. prof, 59-62, PROF, 62-, CHMN. DEPT. SOC. SCI, 67- Consult. & res. dir, Kans. Dept. Econ. Develop. Govt. Supporting Struct. of Urban Planning Asst. Proj. Southeast Kans. Proj, 66. Mem, Kans. panel labor mediators, Kans. Dept. Labor, 64-; Kans. gross prod. cmt, Kans. Off. Econ. Anal, 65. U.S.A., 43-45, Sgt. Econ. Asn; Nat. Tax Asn. Monetary and fiscal policies; business cycles; full employment policies; economic growth. Publ: Is full employment possible without inflation? Address: Dept. of Social Science, Kansas State College, Pittsburg, Kans. 66762.

STEVENS, DR. RICHARD G, b. Chicago, Ill, Dec. 29, 25; m. 49; c. 3. POLITICAL SCIENCE. M.A. Chicago, 56, Ph.D.(polit. sci), 63; Carnegie fel, Harvard, 62-63. Exec. trainee, Off. Secy. Defense, 55; mem. field staff, Pub.

- Admin. Serv, 56-57; ASST. PROF. polit. sci, Wabash Col, 57-59; Col. William & Mary, 59-62; Santa Clara, 63-66; POLIT. SCI, WASHINGTON (SEAT-TLE), 66- Vis. prof, Cornell, summer 63; reader, Huntington Library, Calif, summer 64; lectr, San Jose State Col, 64-66; St. John's Col. (N.Mex), 66. U.S.N.R, 43-45, 48-52, Res, 60-, Lt. Comdr. Polit. Sci. Assn. Political theory of Thomas More; jurisprudence of Felix Frankfurter; Fourteenth Amendment, classical political philosophy. Publ: On the practicality of More's utopia, Social Res, spring 66. Address: Dept. of Political Science, University of Washington, Seattle, Wash. 98105.
- STEVENS, PROF. RICHARD PAUL, b. June 16, 31; U.S. citizen. POLITICAL SCIENCE. B.A. Notre Dame, 54; M.A. Georgetown, 58, Ph.D. (govt), 60. Asst. prof. hist. & govt, King's Col, 58-61; chmn. dept. POLIT. SCI, Pius XII Univ, Lesotho, 62-63; assoc. prof, LINCOLN (PA), 64-68, PROF, 68-, dir. African Student Center, 64-66, acting dir. African studies prog, 66-67, acting chmn. dept, 67-68. Vis. prof, Georgetown, 68- Fulbright scholar, U.A.R, summer 65. Mem. Africa Bur, London, 63-; exec. bd, Am. Cmt. Africa, 66. Lindback Found. Award for Distinguished Teaching, 67. Fel. African Studies Assn. Political and social change in the Middle East and Africa; patterns of political and cultural inter-action between Arab North Africa and sub-Saharan Africa; inter-state relations in southern Africa. Publ: American Zionism and U.S. foreign policy, Pageant, 62; Lesotho, Botswana and Swaziland, Pall Mall, 67. Address: Box 329-A, R.D. 1, Oxford, Pa. 19363.
- STEVENS, DR. ROBERT D(ALE), b. Boston, Mass, Oct. 8, 27; m. 59; c. 4. AGRICULTURAL ECONOMICS, ECONOMIC DEVELOPMENT. B.A., Princeton, 50; Ford Univ. fel, Lebanon, 57-58; Ph.D., Cornell, 59. Asst. prof. agr. econ, American Found. Beirut, 56-57; acting asst. prof, Cornell, 59; vis. prof, Nat. Col. Agr, Vietnam, 59-61; agr. economist, econ. develop. br, Econ. Res. Serv, U.S. Dept. Agr, 61-64; ASSOC. PROF. AGR. ECON, MICH. STATE, 64-66; Pakistan Acad. Rural Develop, Mich. State Univ-Ford Found. Proj, Pakistan, 64-65. Med.C, U.S.A., 50-52. Econ. Asn; Agr. Econ. Asn; Soc. Int. Develop. Rural development in underdeveloped areas; agricultural development theory; planning rural development. Publ: Co-auth, The average and marginal product of farm labor in underdeveloped economies, J. Farm Econ, 38: 780-91, 8/56; auth, A review of measures of farm income for international use, Indian J. Agr Econ, 1-19, 10-12/63; Elasticity of food consumption associated with changes in income in developing countries, Econ. Res. Serv, U.S. Dept. Agr, For. Agr. Econ. Report 23: 85, 3/65. Address: Dept. of Agricultural Economics, Michigan State University, East Lansing, Mich. 48824.
- STEVENS, DR. ROBERT W(ARREN), b. Columbus, Ohio, June 29, 18; m. 44; c. 2. ECONOMICS. B.A., Ohio Wesleyan, 40; M.A., Michigan, 42, Ph.D., 50. Instr. econ, Michigan, 48-49; financial economist, Econ. Coop. Admin. Mission to Eng, 50-55; economist, gen. econ. dept, Standard Oil Co. (N.J.), 56-66; ASSOC. PROF. INT. BUS, INDIANA, 66- Lectr, City Col. New York, 58-61. Consult, Res. Group Econ. Adjusts. to Disarmament, 61-62. Econ. Asn; Statist. Asn. Theory of international trade and development, balance of payments and other financial problems; public policy toward and economic problems of coexistence. Publ: New ideas in the theory of international trade, Am. Econ. Rev; New problems for the United States in the world economy, Soc. Res; Wishful thinking on the balance of payments, Harvard Bus. Rev, 11-12/66. Address: Graduate School of Business, Indiana University, Bloomington, Ind. 47401.
- STEVENS, DR. S(AMUEL) N(OWELL), Psychol, see 10th ed, Soc. & Behav. Vols.
- STEVENS, DR. SAMUEL N(OWELL), JR, Psychol, see 11th ed, Phys. & Biol. Vols.
- STEVENS, PROF. S(TANLEY) SMITH, Psychophys, see 11th ed, Phys. & Biol. Vols.
- STEVENS, VERNON S(TANLEY), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.
- STEVENS, PROF. WALTER R(USSELL), JR, b. Englewood, N.J., Apr. 16, 25; m. 48; c. 3. PSYCHOLOGY. A.B., Park Col, 49; M.A., Mich. State, 51, Ph.D., 58. Counsr, Mich. State, 54-56; asst. prof. PSYCHOL, SAN DIEGO STATE COL, 56-61, assoc. prof, 61-66, PROF, 66-, chmn. dept, 66-69. U.S.A.A.F., 43-46, Sgt. AAAS; Psychol. Asn. Two-person social interaction processes, especially in psychotherapy; personality theory; factors affecting stability and change. Address: 2396 Harcourt Dr, San Diego, Calif. 92123.
- STEVENS, DR. WARREN DOUGLAS, b. St. Louis, Mo, Feb. 15, 14; m. 39; c. 3. COMMUNICATIONS. Ph.B., Toledo, 35, M.A., 49; Ed.D., Indiana, 58. Head sci. dept, high sch, Fla, 46-48; instr. psychol, Toledo, 48-50; supvr. prod. planning & coordinator ed. prod, audio-visual center, INDIANA, 50-56, dir. Int. Coop. Admin. commun. media leadership prog, 57-58, chief party, Univ-Int. Coop. Admin. contract, Nigeria, 59-61, COORDINATOR INT. CONTRACT & TRAINING PROGS, AUDIO-VISUAL CENTER & ASSOC. PROF. ED, UNIV, 61- Mass literacy consult, Repub. Mali, 63; ed. media consult, Ahmadu Bello Univ, Nigeria, 63; Elem. & Sec. Ed. Act. ed. media consult, Gov. Virgin Islands, 66-67. Psychol. Asn; African Studies Assn. Education; international communications; programming of materials for education and communications in developing countries. Address: Audio-Visual Center, Indiana University, Bloomington, Ind. 47401.
- STEVENS, PROF. WAYNE MACKENZIE, b. Des Moines, Iowa. ECONOMICS. B.S., Illinois, 17, M.B.A., 24; Ph.D., American Univ, 26. Prof. mkt. & financial mgt, La. State, 28-37; chmn. dept. econ. & bus. admin, Maryland, 37-38, dean col. commerce & dir. bus. res, 38-42; PARTNER, MACKENZIE STEVENS & CO, 38-; PROF. BUS. DIR. SCH. WORLD BUS. & CONSULT. INT. DEVELOP, SAN FRANCISCO STATE COL, 50- Prin. orgn. expert, Fed. Farm Bd, 30; vis. prof, Nanking; chief econ. mission, U.S. Dept. State, 42-43; dir. econ. surv. & bus. ops, Latin Am, 45-46, 49; Africa, Mid. East & Europe, 47-48; dir. trade & finance div, Econ. Coop. Admin, Korea, 49-50; dir, S.E. Asia Trade Mission, 50; int. economist & proj. evaluator, Nat. Econ. Coun, Govt. Nicaragua, 65-67. Consult, Shanghai Commercial & Savings Bank, 34-36; adv. Nat. Econ. Coun, Govt. of China, 34-36; spec. consult, U.S. Census of Bus, 39; consult. & dir. res, Consumer Distribution Corp, 39-40; spec. consult, U.S. Bd. Econ. Warfare & U.S. Dept. State, 42-43; indust. coop. adv, Govt. of China, 42-43; consult, Govt. of Burma & Govt. of India, 43; investr. econ. potentialities, Bagdad, Iraq, 43; coop. develop. consult, Mid. East Supply Center, Cairo, Egypt & W.African War Coun, Accra, Gold Coast, 43. Mem, Far East Conf, Tokyo, Japan, 50; chmn. bd, World Invest. & Trade Corp, 53- Econ. Asn; Mgt. Asn; Asn. Ed. Int. Bus. (v.pres, 60-61). Development of underdeveloped areas; overseas investment of managerial-technical skills, equipment and capital; international business development. Publ: Production and marketing of industrial goods cooperatively; Potentialities of private business in world economic development; Financial organization and administration, Am. Book Co. Address: School of Business, San Francisco State College, San Francisco, Calif. 94132.
- STEVENS, PROF. WILLIAM D(ELoS), b. Oskaloosa, Kans, Apr. 12, 19; m. 50; c. 3. ANTHROPOLOGY. A.B., Kansas, 42; fel. & Ph.D. (anthrop), Harvard, 49. Consult, U.S. Govt, D.C., 49-51; res. exec, Young & Rubicam, Inc, 51-59; res. exec, Dancer, Fitzgerald-Sample, 59-60; asst. prof. mkt. & advert. grad. sch. bus, N.Y. Univ, 60-62, assoc. prof, 62-63; PROF. mkt. Miami (Fla), 63-66; bus, Western Kentucky, 66-67; INT. COMMERCE, AM. INST. FOR. TRADE, THUNDERBIRD CAMPUS, 67- Adj. prof, grad. sch. bus, N.Y. Univ, 59-60. U.S.A., 42-44. Mkt. Asn; Asn. Pub. Opinion Res. Cultural anthropology of Micronesia; motivation in relation to advertising. Publ: Ed. The social responsibilities of marketing; auth, Three ways to improve ad pre-tests, J. Advert. Res; Basic guide to defense marketing, Indust. Mkt. Address: Dept. of International Commerce, American Institute for Foreign Trade, Thunderbird Campus, Phoenix, Ariz. 85001.
- STEVENS, DR. W(ILLIAM) H(ARRISON) S(PRING), b. Eau Claire, Wis, Apr. 15, 85. ECONOMICS. A.B., Colby Col, 06, hon. Sc.S., 47; A.M., George Washington, 09; Ph.D., Pennsylvania, 12. Instr. econ, Columbia, 12-15; prof. bus. mgt, Tulane, 15-16; spec. expert unfair competition, Fed. Trade Cmn, 16, asst. chief economist, 17-36; asst. dir. bur. transport econ. & statist., Interstate Commerce Cmn, 36-44; dir, 44-55; ECON. & STATIST. ADV, 55- Lectr, American Univ, 19-21, 28-33, adj. prof, 33-44; lectr, Maryland, 20-24, prof, 24-26; lectr, Hopkins, 26-33, 39-44. Consult, Off. Prod. Mgt, 41. Converse award, 49. Econ. Asn; Statist. Asn; Finance Asn. Transportation; finance; marketing. Publ: Unfair competition; Railroad sinking funds and funded debt; Natural resources by freight rate territories. Address: 312 Queen St, Alexandria, Va. 22314.
- STEVENSON, PROF. CALVIN R(UDOLPHUS), b. Baltimore, Md, July 4, 16; m. 50. EDUCATIONAL PSYCHOLOGY. B.S., Columbia, 47, M.A., 47; Nat. Sci. Found. Sci. faculty fel, Iowa, 64-65, univ. fel, 65-66, Ph.D. (ed. psychol), 67. Assoc. prof. psychol, Agr. & Tech. Col, N.C., 48-49, prof, 49-64, Chmn. dept. ed. & psychol, 52-59, dir. summer sch, 56-63; res. asst. spec. ed, Iowa, 66-67; PROF. ED. & PSYCHOL. & CHMN. DEPT. PSYCHOL. & GUID, A&T STATE, 67- Consult, Phelps-Stokes Proj, 55-59. U.S.A., 43-45, Res, 45-54, 2nd Lt. Psychol. Asn; Ed. Res. Asn. Prediction of teaching efficiency; verbal learning. Address: Dept. of Psychology & Guidance, North Carolina Agricultural & Technical State University, Greensboro, N.C. 27411.
- STEVENSON, PROF. HAROLD W, b. Cincinnati, Ohio, Dec. 10, 21; m. 62; c. 2. FINANCE. B.S., Minnesota, 43; M.B.A., Michigan, 48, Ph.D. (finance, bus. econ), 57. Instr. finance, Mich. State, 49-50; sr. trust analyst, Nat. Bank of Detroit, Mich, 50-53; asst. prof. FINANCE, Northwestern, 54-58; assoc. prof, Minnesota, 58-63, PROF, 63-67; ARIZONA STATE, 67- Assoc. dir. & consult, Minn. Bankers Assn, 65-67. U.S.N., 43-47, Lt. Inst. Chartered Financial Anal; Finance Asn; Econ. Asn. Securities portfolio investment performance, private pension funds; language print out programs for computer financial statement analysis. Publ: Common stock financing, Bur. Bus. Res, Univ. Michigan, 57; Equity and long-term financing for manufacturing firms in Minnesota, Small Bus. Admin, Univ. Minnesota, 62; co-ed, Profits in the American economy, Univ. Minnesota, 67. Address: College of Business Administration, Arizona State University, Tempe, Ariz. 85281.
- STEVENSON, PROF. HAROLD W(ILLIAM), b. Dines, Wyo, Nov. 19, 24; m. 50; c. 4. PSYCHOLOGY. B.A., Colorado, 47; M.A., Stanford, 48, Ph.D. (psychol), 51. Asst. prof, Pomona Col, 50-53; from asst. prof. to assoc. prof, Texas, 53-59; PROF. PSYCHOL. & DIR. INST. CHILD DEVELOP, MINNESOTA, MINNEAPOLIS, 59- U.S.N., 43-46, Lt. (jg). Psychol. Asn; Soc. Res. Child Develop. Children's learning and motivation. Address: 1572 Northrop, St. Paul, Minn. 55108.
- STEVENSON, DR. JAMES H(AROLD), b. Chicago, Ill, Sept. 20, 33; m. 55; c. 2. AGRICULTURAL ECONOMICS. B.S., Illinois, 55; M.S., Purdue, 57, Ph.D., 59. Asst. prof. agr. econ, Purdue, 55-61; dir. res, Longstreet-Abbott & Co, Mo, 61-63; dir. swine procurement, Armour & Co, 64-67; AGR. BUS. SPECIALIST, FORD FOUND, 68- Agr. Econ. Asn. Livestock marketing; price analysis. Address: Ford Foundation, Reforma 243, Seventh Floor, Mexico 5, D.F.
- STEVENSON, DR. LOUIS T(ILLOTSON), Econ, see 10th ed, Soc. & Behav. Vols.
- STEVENSON, DR. ROBERT C(LARK), b. Iowa City, Iowa, Apr. 4, 03. SOCIAL SCIENCE. A.B., Occidental Col, 25; M.S., Columbia, 26; Ph.D., California, 29; Harvard, 36-37. From asst. prof. to prof. soc. sci, head dept. & dean, IDAHO STATE, 29-62, EMER. PROF. ECON. & EMER. DEAN, 62- Spec. asst, U.S. Employ. Serv, Idaho, 34, Polit. Sci. Asn; Econ. Asn. Economics; political science; theories of war and peace. Publ: The new technology and external balance of power, Pageant, 67; Church and world peace, J. Relig; Evolution of pacifism, Int. J. Ethics. Address: 329 S. Tenth Ave, Pocatello, Idaho 83201.
- STEVENSON, DEAN RUSSELL A(LGER), b. Muskegon, Mich, Oct. 31, 90; m. 14; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. A.B., Michigan, 13, Ph.D. (acct), 19, LL.D., 41; M.A., Iowa, 15. Instr. acct, Iowa, 14-16,

asst. prof, 16-17, assoc. prof, 17-19, prof, 19-20; prof. acct. & head dept. commerce, Cincinnati, 20-26; dean SCH. BUS. ADMIN, Minnesota, 26-44; MICHIGAN, 44-61, EMER. DEAN, 61- Dir. Employ. Stabilization Res. Inst. & Northwest. Nat. Bank, 31-44; Lear, Inc, 50-; Ann Arbor Bank, 51- Consult. Mich. Planning Cmn, 44-47. Mem. small bus. adv. cmt. U.S. Dept. Commerce, 46-52. Econ. Asn; Am. Acct. Asn. Statistics; economics; accounting. Publ: Accounting principles; co-auth, Principles of accounting; Problems and exercises in accounting. Address: School of Business Administration, University of Michigan, Ann Arbor, Mich. 48104.

STEVENSON, DR. T(HOMAS) H, Medieval Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

STEWART, DR. JULIAN H, b. Washington, D.C., Jan. 31, 02; m. 33; c. 2. ANTHROPOLOGY. A.B. Cornell, 25; M.A. California, 26, Ph.D.(anthrop), 29. Lectr. anthrop. & curator, mus, Michigan, 28-29, instr, 29-30; assoc. prof. & dir. mus, Utah, 30-33; lectr, California, 34; assoc. anthropologist, Bur. Am. Ethnol, 35-37, sr. anthropologist, 37-43; dir. inst. soc. anthrop, Smithsonian Inst, 43-46; prof. ANTHROPOL, Columbia, 46-52; GRAD. RES. PROF. ILLINOIS, URBANA, 52- Dir. Kyoto Am. Studies Sem, Japan, 56; fel. Center Adv. Study Behav. Sci, 60-61. Mem. center adv. studies, Illinois, 59-; Inst. Andean Res. Nat. Acad. Sci; AAAS; fel. Anthropol. Asn.(Viking medal, 53); Soc. Appl. Anthropol; fel. Soc. Am. Archaeol; fel. Am. Ethnol. Soc.(v.pres, 48); Asn. Asian Studies; Ethnol. Soc; Brazilian Ethnol. Soc. American ethnology; cultural ecology; cultural evolution; development and application of cultural methodology for determining factors, processes and manifestations in modernization of contemporary societies. Publ: Ed, Handbook of South American Indians, 6 vols, Smithsonian Inst, 46-52; auth, Theory of culture change, 55 & ed, Contemporary change in traditional societies, 3 vols, 67, Univ. Illinois Press. Address: Dept. of Anthropology, University of Illinois, Urbana, Ill. 61801.

STEWART, DR. MARGARET C(AROLYN) S(TOUT), b. McMinnville, Ore, Dec. 9, 36; m. 60; c. 2. PSYCHOLOGY. B.A. Willamette, 59; Iowa, 59-60; M.S. Yale, 62, U.S. Pub. Health Serv. fel, 62-64, Ph.D.(psychol), 65. ASST. PROF. PSYCHOL, EMORY, 66- Consult, Trinity Sch, Ga, 66- Psychol. Asn; Soc. Res. Child Develop. Learning in children; prediction of learning disabilities; developmental and psychological assessment; child and family therapy. Publ: Co-auth, Variability in developmental test patterns as a sequel of neonatal stress, Child Develop, 12/66. Address: Dept. of Psychology, Emory University, Atlanta, Ga. 30322.

STEWART, DR. ANDREW, b. Edinburgh, Scotland, Jan. 17, 04; m. 31; c. 6. AGRICULTURAL ECONOMICS. B.S.A. Manitoba, 31, M.A. 33, LL.D. 50, Melbourne, 55, New Brunswick, 55; hon. D.Econ. Laval, 52. Tech. asst. farm econ. br. Dept. Agr. for Scotland, 34-35; lectr. polit. econ, Alberta, 35-45, prof, 46-50, dir. sch. commerce, 48-53, dean bus. affairs, 49-50, pres. univ, 50-59; chmn. Bd. Broadcast Gov, 59-68; CHMN. ALTA. UNIVS. CMN, 68- Tech. asst. Can. Dom. Dept. Health & Pensions & Can. Coun. Nutrit, 38-41; exec. secy, Alta. Reconstruct. Coun, 45-46; tech. adv, Alta. Royal Cmn. Taxation, 47-48; chmn, Royal Cmn. Price Spread Food Prod, 58-59; mem, Gordon Royal Cmn. Can. Econ. Future. Fel. Royal Soc. Can; Agr. Inst. Can; Inst. Pub. Admin. Can. University administration. Publ: Rural electrification in Alberta, Alta. Res. Coun. Rep; Stabilization of the income of the primary producer, Can. J. Econ. Polit. Sci; co-auth, Land use classification in the special areas of Alberta, Can. Dept. Agr. Tech. Bull. Address: Alberta Universities Commission, 368 Campus Towers, 112 St. & 87th Ave, Edmonton, Alta, Can.

STEWART, DR. BARBARA M(acMICHAEL), Psychol, see WILBUR, DR. BARBARA M(acMICHAEL).

STEWART, DR. BARBARA S(HERBURNE), b. Oakland, Calif, Feb. 4, 14. PSYCHOLOGY. A.B. Michigan, 38, M.A. 39, Rackham fel, 39-40, Ph.D. (psychol), 40. Asst. psychol, Michigan, 38-39; clin. psychologist, PSYCHIAT. CLIN, RECORDER'S COURT, 40-60, CHIEF PSYCHOLOGIST, 60- Fel. Psychol. Asn. Abnormal and criminal psychology; evaluation of criminal personalities. Address: Psychiatric Clinic, Recorder's Court, Detroit, Mich. 48226.

STEWART, BETTY K(IRKE), b. Edgewood, Pa, Feb. 9, 21. MATHEMATICS, STATISTICS. B.A. Pittsburgh, 55; M.S. Iowa State, 59. STATISTICIAN, RES. LAB, U.S. STEEL CORP, 59- Statist. Asn; Soc. Qual. Control. Biostatistics; industrial statistics. Address: Mathematical Division, U.S. Steel Research Lab, Monroeville, Pa. 15146.

STEWART, PRES. BLAIR, b. Sioux Falls, S.Dak, Feb. 2, 00; m. 23; c. 2. ECONOMICS. A.B. Reed Col, 21; A.M. Illinois, 22; Ph.D.(econ), Stanford, 25. Asst. prof. econ, Reed Col, 25-35, prof, 35-49; dean col. arts & sci, Oberlin Col, 49-59; pres, ASSOC. COLS. OF MIDWEST, 59-68, CONSULT, 68- Economist, Nat. Emergency Coun, 34; Nat. Resources Planning Bd, 35, assoc. consult, 36-37, consult, 40-42; prin. economist, U.S. Dept. Agr, 38-40. Econ. Asn; Royal Econ. Soc. Organized commodity markets; regional economics. Publ: An analysis of speculative trading in grain futures, U.S. Dept. Agr. Tech. Bull; Shifts in the geographical and industrial pattern of economic activity, Am. Econ. Rev. Proc; Profits of professional speculators, Econ. J. Address: 1014 N. State St, Chicago, Ill. 60610.

STEWART, CHARLES D(AVID), b. Detroit, Mich, Feb. 17, 10; m. 36; c. 2. ECONOMICS. A.B. Michigan, 32; M.S.S. New Sch. Soc. Res, 37; L.L.B. Georgetown, 53. Economist, U.S. Dept. Commerce, 40; bur. labor statist, U.S. DEPT. LABOR, 41-42, chief occup. out-look div, 43-45, off. prog. planning, 46-47, off. labor econ, 48-49, asst. cmnr. prog. planning & pub, 49-55, dep. asst. secy. labor standards & statist, 55-57, res. & develop, 57-63, manpower & ed. adv, U.S. Mission, Orgn. Econ. Coop. & Develop, 63-67, EXEC. SECY. ECON. POLICY ADV. CMT, 67- Econ. Asn; fel. Statist. Asn; Indust. Rels. Res. Asn. Labor force, relations and standards. Publ: Co-auth, Manpower resources and utilization; auth, Definition of unemployment, Rev. Econ. & Statist; Unemployment statistics and economic policy uses, Am. Statistician. Address: 7114 Wilson Lane, Bethesda, Md. 20034.

STEWART, PROF. CHARLES F(RANK), b. Watertown, N.Y., Jan. 27, 23; m. 49; c. 1. ECONOMICS, MARKETING. A.B. Union (N.Y.), 49; M.A. California, 55-56; asst. prof, American Univ. Beirut, 56-59, lectr, summers, 57, 58; assoc. prof. INT. BUS, Indiana, 59-60; COLUMBIA, 60-67, PROF, 67- Fel, Center Mid. East. Studies, Harvard, 61. U.S.A., 42-45, 1st Lt. Econ. Asn; Mkt. Asn; Mid. East Inst. International and foreign marketing; Middle East economics. Publ: The economy of Morocco, Harvard, 64; Mandatory resale price maintenance in California & The changing Middle East markets, J. Mkt. Address: Graduate School of Business, Columbia University, New York, N.Y. 10027.

STEWART, DR. CHARLES G(IDEON), JR, b. Orange, N.J., Oct. 24, 36; m. 59; c. 1. EXPERIMENTAL & MATHEMATICAL PSYCHOLOGY. A.B. Oberlin Col, 58; U.S. Pub. Health Serv. fela, Michigan, 58-59, 61-63, Nat. Sci. Found. fel, summer 60, M.S. 62, Ph.D. 65. Instr. & res. assoc. PSYCHOL, Michigan, 64-65; ASST. PROF, TULANE, 65- U.S. Pub. Health Serv. res. grant, 67-68. Psychol. Asn. The use of hypnosis as a research tool to study cognitive and affective phenomena and interactions; levels of measurement in and mathematizing of psychological theory; human cognitive organization. Publ: Cognitive arousal: the evolution of a model, J. Personality & Soc. Psychol, 67. Address: Dept. of Psychology, Tulane University, New Orleans, La. 70118.

STEWART, PROF. CHARLES L(ESLIE), b. Moweaqua, Ill, Sept. 3, 90; m. 18; c. 4. AGRICULTURAL ECONOMICS. A.B. Ill. Wesleyan, 11, hon. D.Sc. 43; A.M. Illinois, 12, Ph.D.(econ), 15; Berlin, 14. Instr. econ, Illinois, 15-18; prof, Arkansas, 18-20; from asst. agr. economist to agr. economist, bur. agr. econ, U.S. Dept. Agr, 21-24; chief land econ, exp. sta, ILLINOIS, URBANA, 24-59, assoc. prof, univ, 24-35, prof, 35-59, EMER. PROF. AGR. ECON, 59- Consult, Land & Estate Consults, 59-; Resources for Future, INC, D.C. 62-63. U.S. Dept. State specialist, Kabul Univ, Afghanistan, 61. Econ. Asn; Agr. Econ. Asn.(v.pres, 29); Soil Conserv. Soc. Land economics; international comparative agricultural economics; national farm policies. Publ: Co-auth, Land use information, Hopkins, 66; Land tenure in the United States with special reference to Illinois. Address: 504 W. Delaware Ave, Urbana, Ill. 61801.

STEWART, DR. CHARLES NEWBY, Psychol, see 11th ed, Phys. & Biol. Vols.

STEWART, PROF. CHARLES T(ODD), JR, b. New York, N.Y., May 13, 22; m. 53; c. 3. ECONOMICS. B.A. George Washington, 46, M.A. 48, Ph.D. 54. Asst. prof. econ, Utah State, 47-49; res. assoc. bur. bus. & econ. res, George Washington, 51-52; sr. res. analyst, grad. sch. res. proj, Georgetown, 53-58; res. economist, U.S. Chamber of Commerce, 58-62; dir. econ. res, 62-63; res. prof. ECON, GEORGE WASHINGTON, 63-65, PROF, 65- Researcher, Nat. Sci. Found, 63-65. Consult, U.S. Agency Int. Develop, 64; U.S.-P.R. Cmn. Status of P.R., 65-66; Econ. Develop. Admin, 68- U.S.A., 42-45. AAAS; Econ. Asn; Regional Sci. Asn. Economic growth; interrelation of sociocultural values and development; regional and urban economics; individual decision making and the aggregation of choices; geographical concentration of research and development and science-based manufacturing and their local impacts and interactions. Publ: Size and spacing of cities, Geog. Rev, 4/58; Land reform as fiscal policy for agrarian nations, Social Res, spring 65; Regional allocation of public funds for economic development, Land Econ, 11/67. Address: Dept. of Economics, George Washington University, Washington, D.C. 20006.

STEWART, DR. CLIFFORD T(RUSTEN), b. Philadelphia, Pa, July 21, 31; m. 56; c. 3. PSYCHOLOGY, EDUCATION. B.S. Pa. State, 53; M.A. Denver, 57, Ph.D.(psychol), 60. Asst. dir. eval. serv. & instrnl. res, South Florida, 60-62, dir. eval. serv, 62-65; DIR. INSTNL. RES, CLAREMONT COLS, 65- Esso Ed. Found. Grant, 66-68; Carnegie Corp. grant cluster col. conf, 67. Consult, Col. Student Personnel Inst, 67- U.S.A.F., 53-56, 1st Lt. AAAS; Psychol. Asn. Administrative organization in higher education, especially cluster colleges; industrial-scientific creativity. Publ: Co-auth, Personality rigidity of students showing consistent discrepancies between instructor grades and term-end examination grades, Ed. & Psychol. Measurement, winter 65, Estimates of achievement and ratings instructors, J. Ed. Res, 4/66 & An experiment in intercollegiate interdisciplinary doctoral study, J. Gen. Ed, 4/68. Address: Claremont Colleges, Harper 104, Claremont, Calif. 91711.

STEWART, DR. CLYDE E(VERETT), b. Warren, Utah, Nov. 1, 13; m. 54; c. 3. AGRICULTURAL ECONOMICS. B.S. Utah State, 35; M.S. Iowa State, 48; Ph.D.(agr. econ), 51. Agr. economist, U.S. DEPT. AGR, 36-64, FIELD LEADER RESOURCE ECON, NAT. RESOURCE ECON. DIV, ECON. RES. SERV, 64- Lectr, Utah State, 67. Consult, Harza Eng. Co, Middle East, 61-62; Alberta Prov. Govt, Edmonton, Can, 66. Agr. Econ. Asn. Land and water economics. Address: Box 1290 College Station, Logan, Utah 84321.

STEWART, DR. DANIEL K(ENNETH), b. East Lansing, Mich, July 14, 25; m. 47; c. 4. MATHEMATICS, PHILOSOPHY. B.A. Mich. State, 49, M.A. 52, Ph.D.(biol. sci), 59. Instr. natural sci, Mich. State, 55-61, asst. prof, 61-62; res. exec. commun, CAMPBELL-EWALD CO, DETROIT, 62-67, DIR. BASIC SCI. UNIT, 67-, consult, 61-62. Nat. Inst. Ment. Health res. grant, 60-62. U.S.N.R., 43-46. Psychol. Asn; Nat. Soc. Study Commun; Am. Sci. Affiliation; Australasian Asn. Philos; Royal Inst. Philos. Experimental symbolic logic in communication, education and mental health; psychology; philosophy of science. Publ: The psychology of communication, Funk, 68; Signs, symbols, and meaning, J. Commun, 16: 4-9; Causal relations in communication, Univ. Col. Quart, 3/68. Address: 1038 Balfour Rd. Grosse Pointe, Mich. 48230.

STEWART, DR. DONALD D(EAN), b. Fergus Falls, Minn, Oct. 16, 13; m. 41, 63; c. 2. SOCIOLOGY. B.A. Washington (Seattle), 38, M.A. 40; Ph.D.(sociol), Columbia, 49. Assoc. sociol, Washington (Seattle), 39-41; lectr, Columbia, 41-42; Brooklyn Col, 46-47; asst. prof, Oklahoma, 47-51; assoc. prof, Arkansas, 52-59; anal. statistician, U.S. Dept. Air Force, 60-62; U.S. Dept. Navy, 62; lectr. sociol, San Diego State Col, 62-64; prof, Memphis State, 64-66; chief demog. unit, res. div, D.C. Dept. Corrections, 67-68; CHIEF BE-

HAV. SCI. SECT, D.C. DEPT. PUB. HEALTH, 68- Statistician, nat. hqs. Selective Serv. Syst, 42-43, chief res. sect, 51-52; Soc. Sci. Res. Coun. demobilization award, 46; fel. inst. human studies, Oklahoma, 50. Consult, San Diego Health & Welfare Planning Coun, 63-; Memphis & Shelby County Community Action Cmt, 64-66; President's Cmn. Law Enforcement & Criminal Justice, 66-67. U.S.M.C, 43-45. Sociol. Asn; Soc. Study Social Probs; Pub. Health Asn. Labor force analysis; sociological aspects of health including mental health; methods of social research. Publ: Poverty in Memphis and Shelby County & The community action committee looks at the anti-poverty program, Memphis State Univ, 66; Quality control: an emergent profession, Indust. Qual. Control, summer 65. Address: Apt. 102, Section 2, Carriage Hills Apts, 3398 Curtis Dr, Hillside Heights, Md. 20023.

STEWART, PROF. DONALD H(ENDERSON), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

STEWART, DR. DOUGLAS K, b. New York, N.Y., Jan. 14, 38; m. 62. SOCIOLOGY. B.S. Utah, 61, M.S. 62; Mellon fel, Pittsburgh, 64-66, Ph.D.(sociol), 67; U.S. Off. Ed. fel, 66-67. ASST. PROF. SOCIOLOGY, PITTSBURGH, 67-69; Sociol. Asn; Statist. Asn. Political sociology, methodology, statistics, and historical analysis. Publ: Celebrity structure of the far right, West. Polit. Quart, 64; Social implications of social science data archives, Syst. Develop. Corp, 67; co-auth. A simple algorithm for computing multiple correlations, Behav. Sci, 68. Address: Box P, Ligonier, Pa. 15658.

STEWART, PROF. EARLE K(ING), b. Imperial, Nebr., Apr. 27, 08; m. 27. SOCIOLOGY. B.A. Willamette, 33, M.A. 38; Ph.D. California, 48. Teacher, pub. schs, Ore, 27-31, 33-41; asst. prof. hist, Willamette, 41-42; Univ. San Francisco & exten, Univ. California, 47-50; asst. prof. mil. sci, California, 50-52; historian & mil. ed. for. mil. studies br, U.S. Army Europe, Germany, 52-55; mem. staff info. & ed. off, Presidio San Francisco, Calif, 55-57; PROF. SOCIOLOGY & CHMN. DEPT, EAST. WASH. STATE COL, 57- U.S.A., 42-46, 50-57, Maj. Fel. Sociol. Asn. Educational sociology; small group dynamics; military history, World War II; frontier in America; Pacific Northwest. Address: Dept. of Sociology, Eastern Washington State College, Cheney, Wash. 99004.

STEWART, DR. EDWARD C(HARLES) P(EREIRA), b. São Paulo, Brazil, Nov. 24, 24; m. 62. SOCIAL PSYCHOLOGY. B.A. Maryland, 50; Ph.D. Texas, 57. Asst. prof. psychol, 56-59; sr. res. scientist, HumRRO, George Washington, 59-66; ASSOC. PROF. ORGN. BEHAV. GRAD. SCH. PUB. & INT. AFFAIRS, PITTSBURGH, 67- U.S.A., 43-46, 51-52, 1st Lt. AAAS; Psychol. Asn. Cross-cultural communication and influence; group structure and group effects; perception. Publ: Gelb effect, J. Exp. Psychol; Developmental study of the racial awareness in young children, Child Develop; Simulation of cultural differences, J. Commun, 12/66. Address: Graduate School of Public & International Affairs, University of Pittsburgh, Pittsburgh, Pa. 15213.

STEWART, DR. ELIZABETH B(RYAN), b. Pocatello, Idaho, Jan. 14, 31; m. 59; c. 1. PSYCHOLOGY. B.A. Utah, 53, M.A. 54, Ph.D.(psychol), 58. Asst. psychol, Utah, 54-55, lectr, 55-62, chief psychologist, rehab. center, dept. prev. med. med. sch, 56-62; resident psychol, St. Elizabeth's Hosp, D.C., 62-64, staff psychologist, 64-65; CHIEF CHILD PSYCHOLOGIST, DEPT. PSYCHIAT, COL. MED, UTAH, 67- Lectr, Utah Sch. Alcohol Studies, 59-61. Consult, Primary Childrens Hosp, 56-59. Dipl. clin. psychol, Am. Bd. Exam. Prfnl. Psychol, 65. Psychol. Asn; Rehab. Asn. Evaluation of vocational rehabilitation potential in physically handicapped adults; differential diagnosis and prediction of learning difficulties in brain injured children. Publ: Method for differential diagnosis of brain damage in adolescents, J. Nervous & Ment. Diseases; Organization and function of an outpatient alcoholic clinic in a general rehabilitation center, J. Phys. Med; Altitude quotient as a measure of intellectual potential, J. Clin. Psychol. Address: 2900 Millicent Dr, Salt Lake City, Utah 84108.

STEWART, DR. E(MMA) ELIZABETH, b. Miami, Fla., Jan. 6, 32. PSYCHOLOGY. A.B. Alabama, 53; M.A. North Carolina, 56, Soc. Sci. Res. Coun. fel, 58-59, Ph.D.(psychol), 59. Res. assoc. psychol. univ. & instr, Woman's Col, North Carolina, 57-58, lectr, 58; assoc. prof. psychol, Converse Col, 59-62, consult, 59-61; assoc. statist. anal. div, ED. TESTING SERV, 62-64, head col. entrance exam. bd, prog. statist. sect, 64-65, asst. dir, 65-67, ASST. DIR. TEST PROG. & RES. DIV, 67- Assoc. ed. tests, Sci. Res. Assocs, Inc, 61. Psychol. Asn. Psychological measurement. Address: 24 Moore's Mill-Mt. Rose Rd, Pennington, N.J. 08534.

STEWART, DR. G. KINSEY, b. Des Moines, Iowa, Sept. 9, 25; m. 45; c. 3. PSYCHOLOGY. B.A. Drake, 48; M.S. Tulane, 54, Ph.D. 60. Asst. clin. psychol, State Dept. Hosps, La, 50-53; field rep, La. Asn. Ment. Health, 53-56, asst. dir, 55-56; asst. guid. officer, Tulane, 56-60, instr. psychol, 57-60; coordinator testing & guid, La. State, 60-61, asst. prof. psychol, 61-62; SR. PSYCHOLOGIST, KENNEDY CHILD STUDY CENTER, 62- Consult, La. Eval. Center, 61-62; Ment. Health Asn, 65-; Ment. Retardation Regional Center, 66- Mem. Ment. Health Staff Coun, 60- U.S.M.C, 43-46. Psychol. Asn; Asn. Ment. Deficiency. Multiply handicapped children; application of learning theory to personality. Address: 31217 Bailard Rd, Malibu, Calif. 90265.

STEWART, DR. HAROLD E(DISON), b. Butler, Ohio, May 24, 03; m. 24; c. 2. GEOGRAPHY. B.Sc. Ohio State, 25, M.A. 27, Ph.D.(geog), 37; Chicago, 33. Instr. geog, WAYNE STATE, 27-35, asst. prof, 35-42, assoc. prof, 42-46, asst. to dean student affairs, 46-47, asst. dean student affairs, 47-52, dean, 52-67, EMER. DEAN STUDENTS, 67- Economic, urban and political geography. Publ: Co-auth, Air-age geography and society. Address: 2680 Columbia, Berkeley, Mich. 48072.

STEWART, DR. HORACE F(LOYD) JR, b. Daytona Beach, Fla., Apr. 20, 28; m. 54; c. 4. CLINICAL PSYCHOLOGY. B.S. Pa. State, 53; M.S. Florida, 60, Ph.D.(psychol), 62. Intern psychol, Spring Grove State Hosp, 54-55; staff psychologist, State Hosp, Raleigh, N.C., 55-56; State Hosp, Chattanooga, Fla, 56-58; State Hosp, Milledgeville, Ga, 58-64; vis. asst. prof. PSYCHOL, Mercer, 64-65; asst. prof, Augusta Col, 65-67; ASSOC. PROF,

W.G.A. COL, 67- Consult, Off. Voc. Rehab, 61. U.S.A., 46-49. Psychol. Asn; Rehab. Asn. Factors promoting good health. Publ: Sensory deprivation, personality and visual imagery, 65, The relationship of physical illness to the ipat 16 personality factors test, 65 & co-auth. A comparison of the intelligence and personality of moon-child albino and control Cuna Indians, 65, J. Genetic Psychol. Address: Dept. of Psychology, West Georgia College, Carrollton, Ga. 30117.

STEWART, DR. IRVIN, b. Ft. Worth, Tex, Oct. 27, 99; m. 26; c. 1. PUBLIC ADMINISTRATION. LL.B. Texas, 20, B.A. & M.A., 22; Ph.D. Columbia, 26; hon. Litt.D., Bethany Col.(W.Va.), 54; LL.D., Waynesburg Col, 46, W.Va. Wesleyan Col, 48, W.Va. State Col, 48, Marshall, 53. From instr. to assoc. prof. govt, Texas, 22-29; prof, American Univ, 29-30; analyst, U.S. Dept. State, 30-34; mem, Fed. Commun. Cmn, 34-37; dir. cmt. sci. aids learning, 37-46; pres, West Virginia, 46-58, prof. polit. sci, 58-67; PUB. & ED. ADMIN. CONSULT, 67- Exec. Secy, Nat. Defense Res. Cmt, 40-45; Off. Sci. Res. & Develop, 41-45, dep. dir, 46; chmn, President's Comm. Policy Bd, 50-51; pres, Am. Asn. Land Grant Colls. & Univs, 56; Am. del. Int. Serv. Orgn. & Admin. Appl. Res, Vienna, 56. Polit. Sci. Asn; Soc. Pub. Admin. American national government. Publ: Organizing scientific research for war; Consular privileges and immunities. Address: 2939 Van Ness St. N.W., Apt. 921, Washington, D.C. 20008.

STEWART, DR. JAMES ALBERT, b. Toronto, Ont, Mar. 9, 26; m. 48; c. 1. EDUCATIONAL & COUNSELING PSYCHOLOGY. B.A. British Columbia, 48; M.A. Washington (Seattle), 55, Ph.D. 58. Teacher, Kelowna High Sch, B.C., 50-54; supvr. psychol. serv, Trail Sch. Dist, 56-59; assoc. prof. ed. psychol, Alberta, 59-62; consult, San Diego County, 62-63; ASSOC. PROF. ED, BOSTON, 63- Sr. consult. Labor Dept. proj. Boston Col, 67- Can. Army, 44-45, Sgt. Nat. Coun. Measurement in Ed. Test construction and validation in attitude of teachers; vocational interests of freshmen; intelligence tests with testing-machine suitability; adjustment of blue-collar workers; life stimulator laboratories. Publ: Factors influencing teacher attitudes toward and participation in guidance services, Personnel & Guid. J; Why not test ability and achievement by machine?, Voc. Guid. Quart; co-auth. Designing a mental ability testing machine, Coun. Sch. Admin. Address: 24 Longfellow Rd, Needham, Mass. 02194.

STEWART, PROF. JAMES H(ENRY), b. Carlisle, Ky, Aug. 12, 11. ECONOMICS. A.B. Transylvania Col, 33; A.M. Kentucky, 34, Ph.D. 51. Asst. prof. ECON, Elon Col, 36-46; Washington & Lee, 46-51; ASSOC. PROF, EAST CAROLINA, 51-60, PROF, 60- U.S.N., 42-46. Econ. Asn; Finance Asn. Mathematics; geometry; corporate finance. Address: Dept. of Economics, East Carolina University, Greenville, N.C. 27834.

STEWART, DR. JAMES S(IMPSON), b. New York, N.Y., Feb. 10, 06; m. 35; c. 1. ECONOMICS. Ph.B. Brown, 29; Ph.D. N.Y. Univ, 51. Spec. rep, U.S. Civil Serv. Cmn, 42-45; instr. ECON, N.Y. Univ, 45-50, asst. prof, 50-52; assoc. prof, Fordham, 52-53; St. John's (N.Y.), 53-62; CHMN. DEPT, NAS-SAU COMMUNITY COL, 62- Consult. & lectr, U.S. Dept. Air Force Inspectors Sch, 43-45. Econ. Asn. Economic theory; labor relations; finance. Publ: Re-employment after military service. Address: Dept. of Economics, Nassau Community College, Garden City, N.Y. 11533.

STEWART, DR. JANE, b. Ottawa, Ont, Apr. 19, 34; m. 59. EXPERIMENTAL PSYCHOLOGY. B.A. Queen's (Ont), 56; Ph.D.(psychol), London, 59. Asst. psychol, McGill, 58-59; sr. res. scientist psychol. & pharmacol, Ayerst Res. Labs, Ayerst, McKenna & Harrison, Ltd, 59-63; ASSOC. PROF. PSYCHOL, SIR GEORGE WILLIAMS, 63- Am. Psychol. Asn; Can. Psychol. Asn. Learning; motivation; brain and behavior relationships; psychopharmacology. Publ: Co-auth, Motivation, Penguin, 66; auth, Differential responses based on the physiological consequences of pharmacological agents, Psychopharmacologia; co-auth, State-dependent learning produced with steroids, Nature, 67. Address: Dept. of Psychology, Sir George Williams University, 1435 Drummond St, Montreal 25, Que, Can.

STEWART, DR. JOHN G, b. Brooklyn, N.Y., Feb. 15, 35; m. 57; c. 2. POLITICAL SCIENCE. B.A. Colgate, 57; M.A. Chicago, 59, Woodrow Wilson, Ford Found. & Am. Polit. Sci. Asn. fcls. & Ph.D.(polit. sci), 68. Asst. dir. acad. admin, Am. Polit. Sci. Asn, 61-62; legal asst, Off. Senator Hubert H. Humphrey, 61-63, 64-65; vis. lectr. govt, Cornell, 63-64; SPEC. ASST. DOMESTIC POLICY, OFF. OF V.PRESIDENT U.S., 65- Vis. fel. govt. inst. polit, Harvard, 66-67. Polit. Sci. Asn. American political parties, especially the role of parties and party leadership in the United States Congress. Address: 208 Ninth St. S.E., Washington, D.C. 20003.

STEWART, PROF. JOHN J, b. Brigham City, Utah, Nov. 10, 25. JOURNALISM. B.S. Utah State, 49; M.S. Oregon, 57. Correspondent, United Press Assn, 44-45; city ed, Logan Herald-Jour, 45-47; asst. prof. & ed, U.S. Dept. Agr. Exten. Serv, UTAH STATE, 47-51, from asst. prof. journalism & head news bur. to PROF. ENG. & JOURNALISM & UNIV. PUBS. ED, 50- Farm feature ed, Deseret News, 50; ed. consult, Near East-South. Asia Regional Irrigation Practices Seminar, 66, 68. Publ: Mormonism and the Negro, Community Press, 61; The glory of Mormonism 65 & Joseph Smith, the Mormon prophet, 66, Mercury Pub. Address: Publications Office, Utah State University, Logan, Utah 84321.

STEWART, DR. JOHN L(AWRENCE), Elec. Eng, see 11th ed, Phys. & Biol. Vols.

STEWART, PROF. J(OHN) Q(UINCY), Astron, Physics, see 11th ed, Phys. & Biol. Vols.

STEWART, DR. KENNETH D, b. Erwin, N.C., Dec. 4, 33; m. 56; c. 5. PSYCHOLOGY. A.B. Duke, 56; U.S. Pub. Health Serv. & Nat. Inst. Ment. Health fcls. & Ph.D.(psychol), Nebraska, 62. Instr. PSYCHOL, MED. COL. GA, 62-64, ASST. PROF, 64- Lectr, American Univ, Ft. Gordon, Ga, 63-66. Psychol. consult, S.C. Voc. Rehab. Dept, 63-; Spec. Ed. Proj, Graniteville, S.C., 65- Psychol. Asn. Perceptual-cognitive behavior; autonomic nervous system; psychopathology. Publ: Co-auth, Cross-validation of Stein's symbol-Gestalt test for brain damage, 63 & Effects of supportive versus dis-

interested interviews on perceptual-motor performance in brain-damaged and neurotic patients, 66, *J. Consult. Psychol.* & *Perceptual-cognitive behavior and autonomic nervous system patterns*, *Arch. Gen. Psychiat.* 4/65. Address: Dept. of Psychology, Medical College of Georgia, Augusta, Ga. 30902.

STEWART, PROF. KENNETH MALCOLM, b. Tecumseh, Nebr., June 16, 16; m. 60; c. 2. *ASST. PROF. ANTHROP.* & *hist.* Fresno State Col., 47; *assoc. prof. anthrop. & sociol.* ARIZONA STATE, 47-58; *PROF. ANTHROP.* 58- Summ. res. lectr. Minnesota, 49, 65; *vis. prof.* Southern California, 57, 63. *Consult.* Mohave Indian Land Claims, 58. U.S.N.R. 42-43. *Anthrop. Asn.*; *Ethnol. Soc.*; *Soc. Ethnol.* Southwest Indians; culture and personality; shamanism; primitive warfare. *Publ.* Co-auth. *The native Americans*, Harper, 65; *auth.* *Spirit possession in native America*; *Mohave warfare*. Address: Dept. of Anthropology, Arizona State University, Tempe, Ariz. 85281.

STEWART, PROF. LAWRENCE H(OYLE), b. N.C., Oct. 5, 22; m. 46; c. 3. *COUNSELING PSYCHOLOGY*. B.S. West. Carolina Col. 43; M.A. Columbia, 48, Ed.D. (counseling psychol.) 50. *Instr. hyg.* Columbia Col. 49-50; *asst. prof. ed. psychol.* George Peabody Col. 50-54; *from asst. prof. to assoc. prof. ed.* student personnel & counseling psychol., CALIFORNIA, BERKELEY, 54-65; *PROF. COUNSELING PSYCHOL.* 65- U.S.N.R. 43-46, Lt. AAAS; *Ed. Res. Asn.*; *Psychol. Asn.*; *Personnel & Guid. Asn.* Interest measurement; occupational choice. *Publ.* Co-auth. *Multidimensional analysis of an experimental measure of interest*, U.S. Off. Ed. 64 & *The counselor and society*, Houghton, 65; *auth.* *Changes in personality test scores during college*, *J. Counseling Psychol.* 64. Address: 1320 Grizzly Peak Blvd, Berkeley, Calif. 94708.

STEWART, DR. MAX D(UGLAS), b. Edmonton, Alta., June 6, 19. *ECONOMIC*. B.A. Alberta, 41, B.Com. 42; M.A. Toronto, 46; Ph.D. (indust. orgn.) Mich. State, 60. *Analyst*, Value Line Invest. Surv. 48-49; *lectr. econ.* Royal Mil. Col. Can. 53-56; *asst. prof.* Waterloo Col. Can. 56-59; *combines officer*, Dept. Justice, Can. 59-61; *prof.* ECON. Waterloo Lutheran, 61-65; *ASSOC. PROF. ALBERTA*, 65- Summer res. UN, N.Y. 54; *Econ. Coun. Can. res. grant*, 67-68. R.C.E.M.E. 43-45. *Can. Econ. Asn.*; *Am. Econ. Asn.*; *Royal Econ. Soc.* Industrial organization; international trade. Address: Dept. of Economics, University of Alberta, Edmonton, Alta., Can.

STEWART, DR. NAOMI, Psychol., see 10th ed, Soc. & Behav. Vols.

STEWART, DR. NORMAN R(ALPH), b. Oneonta, N.Y., May 26, 31; m. 58; c. 2. *COUNSELING PSYCHOLOGY, EDUCATION*. B.A. Hartwick Col. 53; M.A. State Univ. N.Y. Albany, 55; Ph.D. (Counseling), Wisconsin, 64. *Teacher*, pub. schs. N.Y. 53-56; *counsr.* 56-57; *dir. county personnel serv.* Montgomery County, N.Y. 57-62; *res. asst.* COUNSELING, Wisconsin, 62-64; *asst. prof.* MICH. STATE, 64-67; *ASSOC. PROF.* 67-, *chmn. dept. counseling, personnel serv. & ed. psychol.* 66-67. *Psychol. Asn.*; *Ed. Res. Asn.* (v. pres. 67-69); *Personnel & Guid. Asn.* Systems analysis approach to school counselor preparation programs; measurement of the effects of counseling upon client external behavior; micro-procedures in in-service work with experienced counselors. Address: 448 Erickson Hall, Michigan State University, East Lansing, Mich. 48823.

STEWART, DR. NORMAN R(EGINALD), b. Los Angeles, Calif., Oct. 1, 28; m. 55. *GEOGRAPHY*. B.A. California, Los Angeles, 50, M.A. 55, Ph.D. (geog.) 63; La. State, 55-56; *Nat. Acad. Sci. For. Field Res. Prog. fel.* 58. *Instr. GEOG.* Los Angeles State Col. 59-61; *Fulbright lectr.* Ayacucho, Peru, 61-62; *asst. prof.* Nebraska, Lincoln, 62-65; *ASSOC. PROF.* 65-67; *WISCONSIN, MILWAUKEE*, 68- *Soc. Sci. Res. Coun. For. Area Fel. Prog. res. grant*, Ecuador, 66-67. U.S.A. 51-53. *Am. Geog. Soc.*; *Asn. Am. Geog.*; *Latin Am. Studies Asn.* Cultural geography; Latin America; tropical lowland settlement, especially patterns and processes of migration and pioneer agricultural settlement. *Publ.* *Japanese colonization in eastern Paraguay*, *Nat. Acad. Sci.-Nat. Res. Coun.* Publ. 1490, 67; *Foreign agricultural colonization as a study in cultural geography*, *Prinf. Geogr.* 9/63; *Migration and settlement in the Peruvian Montana: the Apurimac Valley*, *Geog. Rev.* 4/65. Address: Dept. of Geography, University of Wisconsin, Milwaukee, Wis. 53201.

STEWART, PROF. OMER C(ALL), b. Provo, Utah, Aug. 17, 08; m. 36; c. 4. *ANTHROPOLOGY*. A.B. Utah, 33; Ph.D. (anthrop.) California, 39. *Soc. Sci. Res. Coun. fel.* Minnesota, 40-41, *instr. anthrop.* 41-42; *for. rep. export div.* Remington Rand, Inc. 43-45; *asst. prof.* ANTHROP. COLORADO, 45-49, *assoc. prof.* 49-54, *PROF.* & *CHMN. DEPT.* 54-, *chmn. dept. soc. sci.* 52-54, *dir. univ. prog.* Bordeaux, France, 67-69. *Instr.* Texas, 39; *dir.* U.S. Dept. Health, Ed. & Welfare grant tri-ethnic res. Colorado, 59-64; *vis. prof.* Bordeaux, 68-69. *Consult.* Univ. California, 35-37. *Mil. Intel.* 42-45, Lt. Col. AAAS; *Anthrop. Asn.*; *Soc. Appl. Anthropol.* (v. pres. 60, pres. 65-66); *Soc. Archaeol.* Values and behavior of a tri-ethnic community; American Indian land use; Peyote religion; aboriginal fires and its influence on vegetation. Address: 921 Fifth St, Boulder, Colo. 80302.

STEWART, PROF. PAUL D(EKKER), b. St. Cloud, Fla., Feb. 15, 18; m. 45; c. 3. *POLITICAL SCIENCE*. A.B. Hope Col. 38; *fel. & scholar*, Duke, 38-42, A.M. 40, Ph.D. 48. *Asst. prof.* POLIT. SCI. MARSHALL, 48-53, *assoc. prof.* 53-59, *PROF.* 59-, *CHMN. DEPT.* 60- *Med. Dept.* U.S.A. 42-46. *Polit. Sci. Asn.* State and local government. *Publ.* Co-auth. *Introduction to political science*; *New small business in a redevelopment coal area in West Virginia*, Marshall Univ. Press, 62. Address: Dept. of Political Science, Marshall University, Huntington, W.Va. 25701.

STEWART, DEAN ROBERT BURGESS, b. Metawan, W.Va., Nov. 30, 08. *INTERNATIONAL AFFAIRS*. A.B. Kentucky, 31, A.M. 32; A.M. Fletcher Sch. Law, 37; Ph.D. Harvard, 38. *Brit. Commonwealth specialist*, Div. European Affairs, U.S. Dept. State, D.C. 38-45, *consult.* 50; *asst. exec. secy.* Int. Secretariat, UN Conf. San Francisco, 45; *PROF. INT. RELS.* FLETCHER SCH. LAW, 45-, *dean*, 45-65. *Vis. lectr.* Harvard, 47. *Am. Acad. Arts & Sci.* (v. pres. 49-51); *Polit. Sci. Asn.*; *Soc. Int. Law*. Treaty relations of the British Commonwealth of Nations. Address: 35 Foxcroft Rd, Winchester, Mass. 01890.

STEWART, PROF. ROBERT L(EROY), b. Pueblo, Colo., July 29, 27; m. 50; c. 3. *SOCIOLOGY*. B.A. Iowa, 49, M.A. 53, Ph.D. (soc. psychol.) 55; Denver, 49-50. *Instr. sociol.* Iowa, 53-55; *asst. prof.* Central Michigan, 55-59, *assoc. prof.* 59-65; *PROF. ANTHROP. & SOCIOL. & HEAD DEPT.* SOUTH CAROLINA, 65- *Consult.* Kansas City Ment. Health Found. 60. *Mem. staff*, Int. Coop. Admin. Sem. Commun. 60-61. U.S.N. 45-46. *Sociol. Asn.* Behavioral correlates of self concepts; social factors in the etiology of mental retardation; interrelationships among career goals, commitments, training programs and achievement. *Publ.* *Empathy as a process in the dating situation*, *Am. Sociol. Rev.* Address: Dept. of Anthropology & Sociology, University of South Carolina, Columbia, S.C. 29208.

STEWART, PROF. ROBERT LEWIS, b. Sullivan, Ind., July 11, 19; m. 63; c. 1. *PSYCHIATRY*. B.S. Indiana, 41, M.D. 44; *cert.* Chicago Inst. Psychoanal. 60. *Assoc. prof. psychiat.* COL. MED. CINCINNATI, 61-67, *PROF. PSYCHIAT. & EXEC. DIR. CENT. PSYCHIAT. CLIN.* 67- *Mem. faculty*, Chicago Inst. Psychoanal. 60-68, *training analyst*, 68- *Med. C.* A.U.S. 45-47, *Capt.* AAAS; *Psychoanal. Asn.*; *Psychiat. Asn.*; *Anthrop. Asn.* Psychoanalysis and its application to community problems; medical and psychiatric education; theory and technique of psychoanalysis and psychotherapy. *Publ.* Co-auth. *Psychoanalysis and psychoanalytic psychotherapy*, In: *Comprehensive textbook of psychiatry*, Williams & Wilkins, 67. Address: Dept. of Psychiatry, Cincinnati General Hospital, Cincinnati, Ohio 45229.

STEWART, PROF. ROBERT S(ILAS), Psychol., see 10th ed, Soc. & Behav. Vols.

STEWART, DR. ROGER G(ENE), b. Urbana, Ill., Feb. 15, 25; m. 54; c. 2. *PSYCHOLOGY*. Ph.D. (psychol.) Illinois, 51. *Res. assoc. psychol.* Illinois, 51-53; *res. psychologist*, California, Los Angeles, 54-58; *res. analyst*, State Dept. Motor Vehicles, Ore. 58-59; *personnel analyst*, Civil Serv. Cmn. Los Angeles County, 59-62; *res. analyst*, Dept. Insts. State of Wash. 62-66; *ASST. PROF. PSYCHOL.* CENT. WASH. STATE COL. 66- *Applied research*; tests and measurements; traffic safety and accidents. *Publ.* *Can psychologists measure driving attitudes?*, *Ed. & Psychol. Measurement*; co-auth. *Some personal and social attitudes of habitual traffic violators*, *J. Appl. Psychol.* & *Factored dimensions of the career test battery*, *Personnel Psychol.* Address: Dept. of Psychology, Central Washington State College, Ellensburg, Wash. 98926.

STEWART, DR. T(HOMAS) D(ALE), b. Delta, Pa., June 10, 01; m. 32, 52; c. 1. *ANTHROPOLOGY*. A.B. George Washington, 27; *Mall scholar*. & M.D. Hopkins, 31; *hon. D.Sc.* Cuzco, 49. *Aide phys. anthrop.* MUS. NATURAL HIST. U.S. NAT. MUS. D.C. 27-31, *asst. curator*, 31-39, *assoc. curator*, 39-42, *curator*, 42-61, *head curator anthrop.* 61-62, *dir.* 62-65, *SR. PHYS. ANTHROPOLOGIST*, 65- *Vis. prof. sch. med.* Washington (St. Louis), 43; *Nat. Sch. Anthropol. Mex.* 45. *Res. consult.* Am. Graves Registration Serv. Japan, 54. *Mem. Smithsonian Inst. field trips*, Alaska, 27, Mex. 39, Peru, 41, Guatemala, 47, 49, Iraq, 57, 60, 62; *lang. develop. adv. cmt.* Off. Ed. 63-65; *bd. sci. adv.* Delta Primate Res. Center, Tulane, 64- *Nat. Acad. Sci.* AAAS; *Asn. Phys. Anthropol.* (ed. jour. 43-48, pres. 50-51, secy-treas. 60-64); *Inst. Human Paleont.* (pres. 55-61); *Anthrop. Asn.* Comparative human osteology; paleopathology; human identification. *Publ.* *Evaluation of evidence from the skeleton*, In: *Legal medicine*; *Significance of osteitis in ancient Peruvian trephining*, *Bull. Hist. Med.*; *The restored Shanidar I skull*, *Annual Report Smithsonian Inst.* Address: 1191 Crest Lane, McLean, Va. 22101.

STEWART, DR. WARD, b. Des Moines, Iowa, Jan. 29, 13; m. 41; c. 3. *POLITICAL SCIENCE*. A.B. Carleton Col. 33; *Gen. Ed. Bd. fel.* & A.M. Chicago, 34; *Littauer fel.* Harvard, 37-38, Ph.D. (polit. sci.) 38; J.D. George Washington, 49. *Asst. Tenn. Valley Authority*, 34-36; *asst. dir. personnel*, U.S. Housing Authority, 38-40; *chief personnel officer*, Nat. Youth Admin. 40-41; *asst. dir. for funds control*, U.S. Dept. Treasury, 41-44; *dir. personnel*, Nat. Housing Agency, 46-47; *spec. asst. orgn. & personnel*, Atomic Energy Cmn. 47-51; *dept. chief*, Pub. Admin. Mission to Colombia, Bogota, 50-51; *dir. reports & secretariat*, Off. Econ. Stabilization, 51-52; *asst. cmnr.* U.S. OFF. ED. DEPT. HEALTH, ED. & WELFARE, 52-57, *specialist in bus. & pub. admin.* 57-65, *DIR. HIGHER ED. FIELD SERV.* 65- *Lectr.* U.S. Dept. Agr. Grad. Sch. Harvard, 40-43; *prof. lectr.* American Univ. 56-58, *mem. adv. cmt.* 58-, *adj. prof.* 58- *Consult.* grad. sch. pub. admin. Harvard, 54. *Chmn.* Wash. Higher Ed. Group, 55-56. *Rep.* President's Cmt. Ed. Beyond High Sch. 56-57. U.S.N.R. 44-46, Lt. Polit. Sci. Asn; *Soc. Pub. Admin.*; *Nat. Ed. Asn.* Relations between federal government and education; public administration; American constitutional law. *Publ.* *Personnel administration in the Tennessee Valley Authority*; *Graduate study in public administration*; co-auth. *University-sponsored executive development programs in the public service*, U.S. Off. Ed. 66. Address: 4532 Van Ness St. N.W., Washington, D.C. 20016.

STEWART, PROF. WILLIAM CHARLES, b. Guam, Jan. 10, 26; U.S. citizen; m. 54; c. 3. *STATISTICS, OPERATIONS RESEARCH*. B.S.M.E. Cornell, 46; M.B.A. Drexel Inst. 50, M.M.E. 53; Ph.D. (statist.) Pennsylvania, 65. *Engr.* refrig. lab. Philco Corp. 46-48; *design engr.* heat transfer dept. Schutte & Koerting Co. 48-51; *prod. engr.* nib mfg. Esterbrook Pen Co. 51-57; *sr. staff indust. eng.* SKF Indus. 57-58, *prod. supt.* ball & roller mfg. 58-60; *prod. mgr.* J. Bishop Co. 60-61; *assoc. prof.* STATIST. Drexel Inst. 62-67; *PROF.* & *CHMN. DEPT.* TEMPLE, 67- *Mem. eve. col. faculty*, Drexel Inst. 47-54, *lectr.* grad. sch. bus. 53-62, *res. assoc. & consult.* dept. pub. health proj. 64- *Consult.* various U.S. Govt. agencies & orgn. 65- U.S.N.R. 43-47, Lt. (jg). *Statist. Asn.*; *Inst. Mgt. Sci.* Application of statistics to engineering and design problems and practical application of operations research techniques to production and management problems. *Publ.* *Statistical problems encountered in the analysis of solid waste*, *Health Lab. Sci.* 7-10/68; co-auth. *An analysis of aircraft carrier landing parameters*, 68 & *An analysis of monitored flight parameters—counting accelerometer*, 68, U.S. Navy Dept. Address: Dept. of Statistics, Temple University, School of Business Administration, Philadelphia, Pa. 19122.

STICE, DR. GLEN F(RANKLIN), b. St. Elmo, Ill., Dec. 27, 19. *PSYCHOLOGY*. A.B. Illinois, 42, M.S. 47, Ph.D. (psychol.) 51. *Clin. psychol. intern.* Vet. Admin. Hosp. Danville, Ill. 47-48; *res. assoc.* Illinois, 48-51, 53-54; *res. psychologist*, Crew Res. Lab. U.S. Dept. Air Force, 51-53; *res. assoc. per-*

sonality, Ed. Testing Serv, 54-60; PRACTICING PSYCHOLOGIST, 60-Med.C, 42-46. AAAS; Psychol. Asn. Personality theory; small group processes. Address: Box 230, Village Station, New York, N.Y. 10014.

STICHT, DR. THOMAS G, Exp. Psychol, see 11th ed, Phys. & Biol. Vols.

STICKLER, LAWRENCE R(EINSTEIN), b. Chicago, Ill, Aug. 10, 15; m. 50; c. 3. STATISTICS. S.B, Chicago, 37, S.M, 38. Teacher math, Englewood Ave. Jr. Col, 38-41; factory mgr, Mautner Bros, 45-50; STATISTICIAN & INDUSTR. ENGR, R.R. DONNELLEY & SONS CO, 50- Teacher math, eve. div, Ill. Inst. Tech, 46-50. U.S.A.F, 41-45, 51-52, Capt. Statist. Asn; Soc. Qual. Control. Quality control applied to printing; time study statistics; operations research techniques. Address: 2223 S. Park Way, Chicago, Ill. 60616.

STICKNEY, PROF. HAZEL LATENDRESS, Geog, see 10th ed, Soc. & Behav. Vols, deceased 63.

STIEBER, PROF. JACK, b. Hungary, Mar. 27, 19; nat; m. 47; c. 2. ECONOMICS. B.S.S, City Col. New York, 40; M.A, Minnesota, 48; Littauer fel. & Wertheim fel, Harvard, 52-54, Ph.D.(econ), 56. Labor economist, Nat. Housing Agency, 46-47; res. assoc, United Steelworkers of Am, 49-50; exec. asst, labor mem, Wage Stabilization Bd, 51-52; res. assoc, bus. sch, Harvard, 54-56; assoc. prof. ECON. & assoc. dir, SCH. LABOR & INDUSTR. RELS, MICH. STATE, 56-59, PROF. & DIR. - Res. consult, Int. Inst. Labour Studies, Int. Labour Off, Geneva, Switz, 63-64; consult, Nat. Cmn. Tech, Automation & Econ. Prog, 65. Exec. secy, President's Adv. Cmt. Labor Mgt. Policy, 62. U.S.A.A.F, 42-46, Capt. Econ. Asn; Nat. Acad. Arbit; Indust. Rels. Res. Asn. Union government; collective bargaining; wages. Publ: Steel industry wage structure; Governing the UAW, Wiley, 62; Employment problems of automation and advanced technology: an international perspective, Macmillan, 66. Address: School of Labor & Industrial Relations, Michigan State University, East Lansing, Mich. 48823.

STIEPER, DR. DONALD R(ICHARD), Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

STIER, DR. HOWARD LIVINGSTON, Plant Physiol, Statist, see 11th ed, Phys. & Biol. Vols.

STIGLER, PROF. GEORGE J(OSEPH), b. Renton, Wash, Jan. 17, 11; m. 36; c. 3. ECONOMICS. B.B.A, Washington (Seattle), 31; M.B.A, Northwestern, 32; Ph.D, Chicago, 38; A.M, Brown, 46. Asst. prof, Iowa State Col, 36-38; econ. & bus. admin, Minnesota, 38-41, assoc. prof, 41-44, PROF, 44-46; Brown, 46-47; ECON, Columbia, 47-58; CHICAGO, 58- Lectr, London Sch. Econ, 48; mem. res. staff, Nat. Bur. Econ. Res, 47-; Guggenheim fel, 55; fel, Center Adv. Study Behav. Sci, 57. Sr. economist, Nat. Defense Adv. Cmn, Off. Price Admin. & Civilian Supply, 40-42; Off. Sci. Res. & Develop, 43-44. Econ. Asn.(v.pres, 58, pres, 64); Philos. Soc. Economic theory; industrial organization; history of economics. Publ: Theory of price; Capital and rates of return; Essays in the history of economics, Univ. Chicago Press, 65. Address: Dept. of Economics, University of Chicago, Chicago, Ill. 60637.

STIGLER, DR. ROBERT LEATH, JR, b. Monroe, La, Mar. 6, 21. ANTHROPOLOGY. B.A, Vanderbilt, 42; Ph.D.(anthrop), Columbia, 54. Instr. anthrop, Columbia, 54-57; asst. prof. & dir. Mid. East archaeol. proj, Brandeis, 57-60; asst. prof. anthrop, COLUMBIA, 62-66, COORDINATOR PROJS. & GRANTS IN ANTHROP, 66- U.S.N.R, 43-46, Lt. Fel. AAAS; fel. Anthrop. Asn; Soc. Am. Archaeol. Peruvian archaeology; Middle Eastern archaeology and culture history; early agriculture. Address: Dept. of Anthropology, Columbia University, New York, N.Y. 10027.

STIGLITZ, DR. JOSEPH EUGENE, b. Gary, Ind, Feb. 9, 43; m. 67. ECONOMICS. B.A, Amherst Col, 64; Fulbright fel, Cambridge, 65-66; Nat. Sci. Found. & univ. fels. & Ph.D.(econ), Mass. Inst. Tech, 66. ASST. PROF. ECON, Mass. Inst. Tech, 66-67; YALE, 67- Res. fel. econ, Gonville & Caius Col, Cambridge, 66-; vis. prof, Canterbury, summer 67. Economet. Soc; Econ. Asn. Descriptive and optimal economic growth; behavior under uncertainty; theory of technological change; dynamic macro-economic models; theory of income distribution. Publ: Two class two sector model of economic growth, Rev. Econ. Studies, 4/67; Distribution of income and wealth among individuals (abstract) Econometrica, suppl. issue, 67; co-auth, Allocation of investment in a dynamic economy, Quart J. Econ, 11/67. Address: Dept. of Economics, Yale University, New Haven, Conn. 06520.

STILES, PROF. LINDLEY JOSEPH, b. Tatum, N.Mex, July 1, 13; m. 35; c. 2. SOCIOLOGY, POLITICAL SCIENCE. A.B, Colorado, 35, M.A, 39, Ed.D.(Eng. ed), 45; summer, Stanford, 40; hon. Litt. D, Rider Col, 67. Teacher, pub. schs, Colo, 35-45, prin, 37-45; assoc. prof. ed, Col. William & Mary, 45-46; Ohio State, 47-49; dean sch. ed, Virginia, 49-55; Wisconsin, 55-66; PROF. ED, SOCIOL. & POLIT. SCI, NORTHWESTERN, 66- Mem. bd. visitors, U.S. Army Transportation Sch, 59-61; dir. student teaching, Univ. Illinois, 66-67. Mem. task force schs. ed. & world affairs, Ed. & World Affairs, 64-67; pres, Aerospace Ed. Found, U.S. Air Force, 64-66. Distinguished serv. award, Alpha Beta Chapter, Phi Delta Kappa, 51; recognition medal, Univ. Colorado; 58; Hoyt S. Vandenberg award, Air Force Asn, 62; Gen. Muir S. Fairchild award, Arnold Air Soc, 64. AAAS; Acad. Polit. & Soc. Sci; Nat. Soc. Col. Teachers Ed.(pres, 57). Policy making for education and the preparation of teachers, including interdisciplinary involvement of leadership from the behavioral sciences; the federal government's responsibility for education; international education. Publ: Co-auth, Teacher education in the United States, Ronald, 62 & Education in urban society, Dodd, 62; auth, Interdisciplinary accountability for teacher education, J. Higher Ed, 1/68. Address: Room 301, Old College, Northwestern University, Evanston, Ill. 60201.

STILES, LYNN A, b. Chicago, Ill, Oct. 25, 13; m. 46; c. 2. ECONOMICS. A.B, Chicago, 35. Asst. State Tax Cmn, Ill, 39-43; asst. prof. econ, Roosevelt, 43-49; economist, State Dept. Finance, Ill, 50-53; FED. RESERVE BANK OF CHICAGO, 53-63, SR. ECONOMIST, 63- R.R. assessor & res. supvr, State Dept. Revenue, Ill, 43-50; exec. secy, State Joint Legis. Cmt. to Invest. Tax Probs, 44-45; lectr, Roosevelt, 64-66. Tax consult, City of New Orleans,

41-42. Mem. adv. cmt, govt. div, U.S. Bur. Census, 64-66, chmn, 65-66. Am. Econ. Asn; Tax Inst; Royal Econ. Soc. State and local finance; transportation economics; urban economics. Address: 2829 Wildwood Lane, Deerfield, Ill. 60015.

STILL, PROF. RICHARD R(ALPH), b. Nampa, Idaho, Apr. 19, 21; m. 47; c. 1. MARKETING, BUSINESS ADMINISTRATION. B.A, Idaho, 42; M.B.A, Stanford, 49; D.B.A.(mkt), Washington (Seattle), 53. Instr. bus. admin, Washington (Seattle), 49-52; lectr, Sacramento State Col, 52-53; asst. prof. mkt, Rochester, 53-55; assoc. prof, Syracuse, 55-60, PROF. MKT. & ADMIN, 60-68; GEORGIA, 68- Dir. grad. sch. sales mgt. & mkt. Sales & Mkt. Execs. Inst, 62-64. Ford Found. vis. prof, Univ. West Indies, 66; vis. prof, Cornell, 66-; California, Berkeley, summer 60. Consult, Govt. Spain, 58. U.S.A, 42-47, 1st Lt. Mkt. Asn; Inst. Mgt. Sci. Problems in managing salesmen, planning and controlling marketing and management operations, drawing upon findings of behavioral sciences and organizational theory. Publ: Co-auth, Sales management, 58 & rev. ed, 67, Basic marketing, 64 & Essentials of marketing, 66, Prentice-Hall. Address: Dept. of Marketing, University of Georgia, Athens, Ga. 30602.

STILLINGS, PROF. E(DWIN) J(AMES), b. Sharon, Pa, May 18, 21; m. 49; c. 3. POLITICAL SCIENCE. A.B, Hiram Col, 42; M.A, Chicago, 48, Ph.D.(polit. sci), 51. Instr. Col. Wooster, 48-50; Maryland, 52-53; assoc. prof. polit. sci, Drury Col, 53-58, PROF, 58-59; POLIT. SCI. & PUB. ADMIN, WILLAMETTE, 59- U.S.M.C, 42-46, Capt. Polit. Sci. Asn; Soc. Pub. Admin; Acad. Polit. & Soc. Sci. Political parties and interest groups; political philosophy. Address: 1676 Church St. S.E, Salem, Ore. 97302.

STILLMAN, DR. CALVIN W(HITNEY), b. New York, N.Y, Dec. 18, 15; m. 39. ECONOMICS. A.B, Harvard, 39; M.S, Iowa State Col, 41; Ph.D.(econ), Chicago, 50. Asst. Soc. Sci. Res. Coun, 48-49; instr. soc. sci, Univ. Col. Chicago, 51-53, asst. prof, 53-58; pres, Stillmore, Inc, 59-63; mem. faculty soc. sci, New Sch. Soc. Res, 63-67; DIR, RES. CENTER OUTDOOR NEEDS, 67- Lectr, Roosevelt Col, 48-50. Consult, Md. State Dept. Ed, 66. U.S.A, 42-46, Capt. Anthropol. Asn. Economic anthropology; economics of Africa; economics and personality; human relations with natural environment; open-space problems of the metropolitan area of New York and environs. Publ: Ed, Africa in the modern world; auth, Toward a profession of social science teaching, J. Gen. Ed; Education in Howard County, Md. State Dept. Ed, 8/66. Address: Research Center for Outdoor Needs, Room 618, 51 E. 42nd St, New York, N.Y. 10017.

STILLSON, DR. ALBERT C, b. Rochester, N.Y, Sept. 27, 28; m. 58. POLITICAL SCIENCE. A.B, Oberlin Col, 50; M.A, Columbia, 51, Ph.D.(int. rels), 59. Nat. defense analyst, legis. reference serv, Library Cong, 57-59; asst. prof. polit. sci, Montana, 59-62; Wake Forest Col, 62-63; nat. defense historian, hist. div, off. joint chiefs of staff, Off. Secy. Defense, 63-64; sect. head, arms control & disarmament bibliog. sect, LIBRARY CONG, 64-66, NAT. DEFENSE ANALYST, LEGIS. REFERENCE SERV, 67- U.S.A, 55-57. Polit. Sci. Asn. International relations, law and organization; United States national security policy and military affairs. Publ: The use of armed force to implement foreign policy objectives, Int. Affairs, spring 54; Theodore Roosevelt's navy—military policy without political guidance, Mil. Affairs, spring 61; co-auth, Space control—how and how much?, In: Speaking of space, Little, 62. Address: 7020 Jefferson Ave, Falls Church, Va. 22042.

STILLWELL, DR. H(AROLD) DANIEL, b. Staten Island, N.Y, Mar. 21, 31. GEOGRAPHY. B.S, Duke, 52, scholar, 52-54, M.F, 54; Oregon State, 57; Pan Am. Inst. Geog. & Hist. fel, Brazil, 59; Ph.D, Mich. State, 61. Forestry aid, U.S. Forest Serv, N.C, 52; asst, Ore. Forest Res. Center, 54-57; GEOG, Mich. State, 57-59; asst. prof, Eastern Michigan, 60-61; Texas, 61-62; ASSOC. PROF, EAST CAROLINA, 62- Summer Nat. Defense Ed. Act. lectr, geog. inst, Oregon State, 66-67. Asn. Am. Geog. Nat. Coun. Geog. Ed. Forestry; wood technology; landforms and biogeography; geography of national parks and mountains. Publ: Initial studies in kiln drying Douglas fir dimension; Effect of curing time on P.V.A. resin joint strength; Use of topographic maps in vegetation analysis. Address: Dept. of Geography, East Carolina University, Greenville, N.C. 27834.

STIMBERT, DR. VAUGHN ELLEN, b. Omaha, Nebr, Oct. 31, 34; m. 62; c. 1. PSYCHOLOGY. B.S, Memphis State, 56, M.A, 63; Ph.D.(psychol), Fla. State, 68. Psychol. intern, Tenn. Psychiat. Hosp. & Inst, 64; ASST. PROF. PSYCHOL, MEMPHIS STATE, 67- U.S.A.F, 56-61, Capt. Psychol. Asn. Social learning in humans and animals; programmed instruction; behavior modification. Publ: Co-auth, Acquisition of an imitative response in rats, Psychonomic Sci, 7/66 & The effect of tangible reinforcement on the learning and retention of programmed material in academically retarded children, J. Sch. Psychol, 68; auth, The effect of social conditioned reinforcers on following behavior in rats reared socially or in isolation, Univ. Microfilms, 68. Address: Dept. of Psychology, Memphis State University, Memphis, Tenn. 38111.

STIMPSON, DR. DAVID VERN, b. Provo, Utah, July 6, 33; m. 62; c. 1. PSYCHOLOGY. B.S, Brigham Young, 59, M.S, 60; Ph.D.(psychol), California, Berkeley, 64. ASST. PROF. PSYCHOL, BRIGHAM YOUNG, 64- Training officer, Vista Training Prog, Utah, 65-67. Consult, Cent. Utah Child Guid. Clin, 67- U.S.N, 53-55. Psychol. Asn; Soc. Psychol. Study Social Issues. Attitude formation and change; group development; leadership training; interpersonal relationship training. Publ: Co-auth, Dyadic behavior of self, interaction and task oriented subjects in a test situation, J. Abnorm. & Soc. Psychol, 64; auth, The effects of discrepant information on perceptual processes, J. Soc. Psychol, 65. Address: Dept. of Psychology, Brigham Young University, Provo, Utah 84601.

STIMSON, PROF. LILLIAN WORLEY, Geog, see 10th ed, Soc. & Behav. Vols.

STIMSON, DR. RALPH H(UMPHREYS), Polit. Sci, Econ, see 10th ed, Soc. & Behav. Vols.

STINCHCOMBE, PROF. ARTHUR L(EONARD), b. Clare Co, Mich, May 16, 33; m; c. 2. SOCIOLOGY. B.A, Cent. Mich. Col, 53; Ph.D, California, 60. ASST. PROF. SOCIOL, Hopkins, 59-67; CALIFORNIA, BERKELEY, 67-

U.S.A., 53-55. Organizations and political sociology. Publ: Bureaucratic and craft administration of production, Admin. Sci. Quart; Agricultural enterprise and rural class relations, Am. J. Sociol. Address: Dept. of Sociology, University of California, Berkeley, Calif. 94720.

STINE, DEAN LEO C(LAIR), b. Danville, Ill, Oct. 18, 14. POLITICAL SCIENCE. B.Ed., Ill. State Nor. Univ. 39; A.M. Illinois, 43, Ph.D., 48. Teacher, high sch, Ill, 41-43; asst. Illinois, 46-48; assoc. prof. POLIT. SCI. James Millikin, 48-52, WESTERN MICHIGAN, 52-57, prof., 57-62, asst. dean GRAD. SCH, 62-65, ASSOC. DEAN, 65-. Mem. citizenship & inter-cultural understanding cmt, State Dept. Ed., 64-; gen. conf. cmn. church & state, Methodist Church, 64-68; pres. Mich. Coun. Soc. Studies, 68-67; mem. Nat. Coun. Soc. Studies. Polit. Sci. Asn. Publ: Using the culture complex in the organization of the social studies, Soc. Studies, 3/64; Social studies preparation of tomorrow's citizens, Ill. State Univ., 65; Economic policies of the commonwealth government of the Philippines, J. East Asian Studies, 3/66. Address: School of Graduate Studies, Western Michigan University, Kalamazoo, Mich. 49001.

STINE, PROF. TOM, b. Reedsburg, Wis, May 7, 29. SOCIOLOGY. Ph.B., Carroll Col. (Wis), 21; Ph.M. Wisconsin, 28, fel., 29-30; Ph.D. North Dakota, 44. Dir. pub. rels, CARROLL COL.(WIS), 42-44, PROF. SOCIOL. & HEAD DEPT., 44-, dean, 44-47. Field rep. Fed. Emergency Relief Admin. N.Dak, 34-36; assoc. prof. North Dakota, 37; fel. Southern California, 51. Social welfare in North Dakota. Publ: Co-auth, Study of services given children and youth in Waukesha County by public and private social work agencies in 1958; History of Jamestown. Address: Carroll College, Waukesha, Wis. 53186.

STINNEFORD, PROF. C(LAUDE) L(AURENCE), b. Brownville, Maine, Jan. 10, 99. ECONOMICS. B.S. Colby Col., 26; A.M. Brown, 27; Chicago, 36-37. Instr. ECON. Colby Col., 27-28; asst. prof. Vermont, 28-33; assoc. prof., Texas, 34-35, prof., 35-36; prof. & head dept, EARLHAM COL., 37-67, EMER. PROF., 67-. Lectr., Indiana, 47; Chicago, 48. Consult. Off. Price Stabilization, 51-52. From regional price economist to economist, field ops. off., Off. Price Admin., 42-45. U.S.A., 17-19. Econ. Assn. Legislative problems of American agriculture; doctrine of progress and the classical economists. Address: Dept. of Economics, Earlham College, Richmond, Ind. 47374.

STINNETT, DR. RONALD F., b. Cleveland, Tenn, Oct. 16, 29; m. 56; c. 3. POLITICAL SCIENCE, SPEECH. B.S. State Univ. N.Y., 52; M.A. Minnesota, 56, Greater Univ. & Tozer Found. fcls, 56-61, Ph.D.(polit. sci., speech), 61. Teacher & coach, Cazenovia Cent., N.Y., 52-55; instr. & dramatics dir., Cazenovia Jr. Col., 53-55; teaching asst. speech, Minnesota, 55-56; teacher & coach, high sch, N.Y., 56-59; spec. rep. Democrat-Farmer-Labor Party, Minn., 61-63; res. dir. Democrat Senatorial Campaign Cmn., 63-65; ASST. TO V. PRESIDENT OF U.S., 65-. Stern Found. & Tozer Found. grants, 63-; lectr., Robert Taft Inst. Govt., 65-66. Nat. Geog. Soc.; Polit. Sci. Asn.; Acad. Polit. & Soc. Sci.; Speech Assn. Am. National and state government; international relations; radio and television; public address; rhetoric; political behavior; public opinion surveys; dramatics; sports. Publ: Co-auth, Recount, Nat. Document Pub., 64; auth, Democrats, dinners, dollars, Iowa State Univ., 67. Address: 7606 Hogarth St., North Springfield, Va. 22151.

STINSON, DR. P. J., b. Yuma, Ariz., Feb. 10, 22; m. 42. STATISTICS, PSYCHOLOGY. A.B. California, Santa Barbara, 48; M.S. Okla. State, 52, Ph.D. (statist. psychol.), 55. Teacher, jr. high sch., 51-54; asst. psychol. & statist., Okla. State, 54-55; res. asst. psychol., St. Louis, 55-56, asst. prof. health orgn. res., 58-60; counsr., Washington (St. Louis), 56-58; asst. prof. math., Northern Illinois, 60-62; biostatistician, Vet. Admin. Res. Support Center, Los Angeles, 62-64; mathematician-statistician, U.S. Navy, 64-65; head statist. & math. systs. res. sect. res. & develop., Douglas Aircraft Co., Long Beach, 65-67; RES. MATHEMATICIAN & PROF. ENVIRON. ENG. DENVER RES. INST. UNIV. DENVER, 67-. Res. designer, Off. Naval Res. Proj., 55-56. AAAS; Psychol. Asn.; Psychomet. Soc.; Inst. Math. Statist.; Ops. Res. Soc. Am.; Soc. Gen. Systs. Res.; Statist. Asn.; Inst. Mgt. Sci. Weather modification; aviation safety; biomathematics and biomedical research. Publ: Game theory and psychiatry, Neuropsychiatry, fall 60; Lung cancer and month of birth, Calif. Med., 11/65; A theoretical model for enhancing transportation safety, Am. Soc. Mech. Engrs. Tech. Digest, 11/67. Address: Denver Research Institute, University of Denver, Denver, Colo. 80210.

STIPE, PROF. CLAUDE E(DWIN), b. Calexico, Calif., May 13, 26; m. 52; c. 2. ANTHROPOLOGY. B.A., Wheaton Col.(Ill), 52; M.A., California, Los Angeles, 55; summer, Oklahoma, 57; Nat. Sci. Found. fel., 62-63; Minnesota, Minneapolis, 60-68. Instr. ANTHROP. Ft. Wayne Bible Col., 55-57, asst. prof., 57-59; instr., Bethel Col.(Minn), 59-62, asst. prof., 62-65, assoc. prof., 65-68; ASST. PROF., MARQUETTE, 68-. Lectr., exten. div., Minnesota, 62-66 & 67-, summer session, 67. Anthropol. Asn.; Am. Sci. Affiliation (managing ed., jour., 63-64). Race and culture; culture change; eastern Dakota ethnohistory. Publ: Anthropology in the bible institute and bible college curriculum, Practical Anthrop., 56; Race and culture: a valid basis for segregation?, J. Am. Sci. Affiliation, 64. Address: Dept. of Sociology & Anthropology, Marquette University, Milwaukee, Wis. 53233.

STIPE, PROF. ROBERT EDWIN, b. Easton, Pa., July 18, 28; m. 52; c. 2. URBAN & REGIONAL PLANNING, LAW. A.B. Duke, 50, LL.B., 53; M.R.P., North Carolina, 59. Mgr. N.C. Civil Defense Survival Plan Proj., Univ. North Carolina, summer, 56; assoc. City & Town Planning Asn., Chapel Hill, N.C., 56-57; instr. PUB. LAW & GOVT. INST. GOVT. UNIV. NORTH CAROLINA, 57-61, asst. prof., 61-63, ASSOC. PROF., 63-. Lectr., summer inst. hist. preservation law, Cornell, 66. Mem. Nat. Trust Hist. Preservation, 64-. Soc. Archit. Hist.; Inst. Planners; Int. Fedn. Housing & Planning. Planning and zoning, urban development; legal, administration, financial aspects of urban design; historic preservation. Publ: Ed. Perception and environment: foundations of urban design, Inst. Govt. Univ. North Carolina, 66. Address: 1022 Highland Woods, Chapel Hill, N.C. 27514.

STIPPLER, HENRY H(ERMAN), b. Neukirchen, Germany, Apr. 30, 00; nat; m. 35. AGRICULTURAL ECONOMICS. Dipl. Landwirt, Agr. Col., Berlin, 28; M.S., California, 36; Int. Conf. Agr. economists grant, 55. Asst. agr.

econ., Montana State, 30-34; Giannini Found., California, 34-36; assoc. agr. economist, agr. adjust. admin., U.S. Dept. Agr., Wash., 36-40, agr. economist, bur. agr. econ., Calif., 40-44, regional leader, Ore., 45-54, sr. agr. economist, farm econ. res. div. agr. res. serv., 54-60, invest. leader Pac. Northwest, farm econ. div., Econ. res. serv., 60-64, proj. specialist, Ford Found., Iraq, 65-67; PRIVATE PRACTICE, 67-. Chmn. U.S. Dept. Agr. Coun., Oregon State, 48, prof., 54-64. Consult., Int. Coop. Admin., Tunisia, 58. Mem. Int. Conf. Agr. Economists, 54-. Agr. Econ. Asn. Farm management and production economics. Publ: Theodor Brinkman's economics of the farm business; Tractor power on irrigated farms in southern Idaho; Sprinkler Irrigation in the Pacific Northwest, U.S. Dept. Agr. Bull. Address: 11 Viking Dr., Pleasant Hill, Calif. 94523.

STIRLING, DR. M(ATTHEW) W(ILLIAMS), Anthropol., see 10th ed, Soc. & Behav. Vols.

STITELMAN, DR. LEONARD, b. Brooklyn, N.Y., May 17, 32; m. 56; c. 2. POLITICAL SCIENCE. B.A., Brooklyn Col., 53; Harvard, 53-54; M.A., Columbia, 59; Ph.D.(polit. sci.), Colorado, 65. Admin. officer, Nat. Insts. Health, 59-63; teaching assoc. POLIT. SCI., Colorado, 63-64, instr., 64-65; asst. prof., WAYNE STATE, 65-68, ASSOC. PROF., 68-, asst. chmn. dept., 68. Nat. Sci. Found. grant, Conf. Math. Appln. Polit. Sci., summer 68. Consult., President's Study Group on Nat. Serv. Prog., 62-63; sr. consult., Cmt. Socio-economic Probs., Gov. Spec. Cmn. Urban Probs., Mich., 67-68. U.S.A., 54-56. Polit. Sci. Asn.; Soc. Pub. Admin. Impact and significance of automation in public administration; development and use of simulation techniques for research in administrative problems. Publ: Automation in government: a computer survey of the Detroit metropolitan region, Metrop. Fund, Detroit, 67; Education: computerized class scheduling, teaching, grading, and counseling, In: Data processing, Vol. XI, Data Processing Mgt. Asn., 67; Computers and the problems of urban cooperation: potential for progress, Urban Affairs Quart., 12/67. Address: Dept. of Political Science, Wayne State University, Detroit, Mich. 48202.

STITELY, PROF. JOHN O(LIVER), b. Peoria, Ill., May 8, 12; m. 38; c. 1. POLITICAL SCIENCE. A.B. Bradley, 34; A.M. Iowa, 39; Harvard, 41-42. Assoc. prof. POLIT. SCI., RHODE ISLAND, 46-64, PROF., 64-, DIR. BUR. GOVT. RES., 46-. Exec. asst. to gov., R.I., 51-53. Mgt. consult., Dept. Employ. Security, R.I., 53-. Mem. Cmt. Econ. Develop. U.S.N.R., 42-46, Lt. Comdr. Polit. Sci. Asn.; Soc. Pub. Admin.; Govt. Res. Asn.; Acad. Polit. & Soc. Sci.; Int. City Mgr. Asn. American federal, state and local government; the Rhode Island general assembly; Rhode Island government and administration. Publ: Rhode Island voting patterns 1940-1964, Bur. Govt. Res.; An outline of Rhode Island state government. Address: Bureau of Government Research, Taft Hall, University of Rhode Island, Kingston, R.I. 02881.

STITES, PROF. WILLIAM H(ARRISON), b. Tyrone, Okla., Aug. 4, 22; m. 48; c. 3. SPEECH. B.A., La. Polytech., 44; M.A., Denver, 48, fel., 52-54, Ph.D. (rhetoric), 54. Asst. prof. SPEECH, ARIZONA STATE, 54-59, from assoc. prof. to PROF., 59-. Consult., 56-. U.S.M.C., 42-46, Res., 46-, Capt. Speech Asn. Rhetoric; public address; study of forensic development in listening comprehension and symbol composition. Address: Dept. of Speech, Arizona State University, Tempe, Ariz. 85281.

STITT, PROF. CLYDE L., b. Pawnee City, Nebr., Apr. 21, 18; m. 52; c. 2. SPEECH PATHOLOGY. B.S., Columbia, 49, M.A., 50; Nat. Inst. Ment. Health fel., Stanford, 59, Ph.D.(speech path.), 61. Instr. lang. arts, SAN FRANCISCO STATE COL., 52-57, asst. prof., 57-61, assoc. prof. speech, 61-63, SPEECH & SPEC. ED., 63-66, PROF., 66-, CHMN. DEPT. SPEECH, 65-. Consult. speech training dept., Job Corps Center, Pleasanton, Calif., 65-. U.S.M.C., 42-45. Speech & Hearing Asn. Auditory and inner language abilities as they relate to speech production; design and standardization of auditory discrimination tests and paper and pencil tests of inner language function. Publ: Co-auth, Reliability of judgments of articulation proficiency, J. Speech & Hearing Res., 3/63. Address: Dept. of Speech, San Francisco State College, 1600 Holloway Ave., San Francisco, Calif. 94132.

STIVERS, PROF. EUGENE H(AMLETT), b. Bell, Calif., Oct. 7, 21; m. 56; c. 2. SOCIAL PSYCHOLOGY. B.A., Pepperdine Col., 43; M.S. California, Los Angeles, 49; Ph.D.(human develop.), Chicago, 58. Instr. math., Pepperdine Col., 45-48; teacher, high sch., 48-52; asst. ed. & mem. cmt. human develop., Chicago, 54-55; data processor, sci. res. assoc., Ill., 55-56; teacher psychol., Chicago Teachers Col., 56-57; asst. prof. ed., Los Angeles State Col., 57-66; COORDINATOR GEN. PROG. & ASSOC. PROF. ED. PSYCHOL., TEMPLE, 66-. Teacher, E. Los Angeles Jr. Col., 59-; dir., Belvedere Youth Develop. Prog., 60-; vis. prof., Calgary, summer, 63; Fulbright vis. prof., Philippines, 64-65. Consult. Jr. League Los Angeles, 61-63; res. consult., Nat. Coordinating Coun. Study & Develop. Filipino Children & Youth, Repub. Philippines, 64-65. Mem. res. & lit. cmt., soc. welfare bd., City. Manila-UNICEF, 64-65. U.S.A.A.F., 42-45, Res., 45-, Maj. Psychol. Asn.; Sociol. Asn. Human development; development and direction of achievement motivation; academic achievement in adolescence; educational development of culturally deprived adolescents. Publ: Motivation for college in high school boys, Sch. Rev.; co-auth, Survey of the education of gifted children; auth, Sociological reminders to educators, Ed. Quart., fall 65. Address: Dept. of Educational Psychology, Temple University, Philadelphia, Pa. 19122.

STOCHAJ, PROF. JOHN M(ICHAE), b. Webster, Mass., Feb. 4, 30; m. 55; c. 2. ECONOMICS. B.A. Boston, 51; M.A. Rutgers, 58; Found. Econ. Ed. fel., Newark Col. Eng., 59, Col. Res. Found. grant, 60-61, Ph.D.(econ.), 63. Asst. supvr. work training study prog., Mutual Security Agency, 52-53; instr. INDUST. RELS., NEWARK COL. ENG., 55-59, asst. prof., 59-62, assoc. prof., 62-65, PROF., 65-. Asst. prof., Upsala Col., summer, 58-59; lectr., labor ed. center, Rutgers, 63-; N.J. State Fedn. Dist. Bds. Ed., 66-67. Job analyst, Brooklyn Hosp., 56. Consult., N.J. Bell Tel. Co., summer, 61; local 1814, Int. Longshoremen's Assn., 63-64; Oil Chem. & Atomic Workers, Am. Fedn. Labor-Cong. Indust. Orgn., 65-. Mem. panel arbitrators, State Mediation Bd., N.J., 58-; mem. exec. bd. & chmn. migrant labor cmn., Consumers League N.J., 66-. U.S.A., 53-55. Econ. Asn.; Indust. Rels. Res. Asn. Labor and economic history; seasonal farm workers; use of third parties in public employee disputes. Publ: Free speech policies, Labor Law J.; Labor's role in

the Great Society, Labor Today, 10-11/65; How farmers should deal with workers, Bus. Farming, 5/67. Address: 65 Riceman Rd, Berkeley Heights, N.J. 07922.

STOCK, DR. DOROTHY, Clin. Psychol, see WHITAKER, DR. DOROTHY STOCK.

STOCK, JOHN R, b. Pittsburgh, Pa, Jan. 11, 27; m. 53; c. 5. PSYCHOLOGY. B.A. Duquesne, 53; M.A., Ohio State, 56. Personnel technician, Columbus Civil Serv. Cmn, 57-58, secy. & personnel officer, 58-60; prin. psychologist, BATTELLE MEM. INST, 60-61, proj. leader psychol, 61-63, sr. psychologist, 63-67, ASSOC. CHIEF, 67- U.S.A., 45-48, S/Sgt. AAAS; Psychol. Asn; Statist. Asn. Measurement of organizational and personnel performance; survey design and conduct. Address: Behavioral Sciences Division, Battelle Memorial Institute, 505 King Ave, Columbus, Ohio 43201.

STOCKARD, PROF. RUSSELL L(EON), Geog, Geol, see 10th ed, Soc. & Behav. Vols.

STOCKER, DR. FREDERICK D(OSTER), b. New York, N.Y., May 13, 27; m. 50; c. 4. ECONOMICS. B.A. Lehigh, 47; A.M. Cornell, 50, Ph.D.(econ), 52. Asst. econ, Cornell, 47-52; economist, farm econ. div, U.S. Dept. Agr, 52-64; PROF. BUS. RES, OHIO STATE, 64- Study dir, Ohio Tax Study Cmn, 66-67. Econ. Asn; Tax Inst. Am. Public finance; economic theory; agricultural economics. Publ: Urban encroachment, taxes and local government, J. Soil & Water Conserv, 64; The role of local government in economic development of rural areas, U.S. Dept. Agr, Agr. Econ. Report, 66; The state and local tax structure of Ohio, Ohio Tax Study Cmn, 67. Address: Bureau of Business Research, Ohio State University, Columbus, Ohio 43210.

STOCKEY, DR. MERREL RICHARD, b. Superior, Wis, May 23, 15; m. 41; c. 2 EDUCATIONAL PSYCHOLOGY, COUNSELING. B.S., Milwaukee State Teachers Col, 41; M.A., Michigan, 49, Ph.D., 61. Intern, Wayne County Training Sch, Mich, 41-42; SCH. PSYCHOLOGIST, MILWAUKEE TECH. COL, 46-Consult, Wis-Upper Mich. Synod, Lutheran Church Am, 65- U.S.A., 43-46. Psychol. Asn; Personnel & Guid. Asn. Individual and group counseling with hostile adolescents. Publ: Comparison of the effectiveness of group counseling; Individual counseling and employment among adolescent boys with adjustment problems. Address: 168 E. Spooner Rd, Milwaukee, Wis. 53217.

STOCKFISCH, DR. J(ACOB) A(LLEN), b. Los Angeles, Calif, July 28, 22; m. 43; c. 1. ECONOMICS. A.B., Pomona Col, 47; Ph.D., California, 52. Asst. prof. econ, Occidental Col, 51-53; Wisconsin, 53-57; assoc. prof. bus. admin, California, Los Angeles, 57-61; dep. asst. comptroller, Off. Secy. Defense, 61-63; dep. asst. secy. tax policy, Off. Secy. Treas, 63-65; dir. res. off, Stanford Res. Inst, U.S. Army Combat Develop. Experimentation Command, Ft. Ord, Calif, 65-66; co-dir. force planning & anal. off, Off. Chief Staff, U.S. Army, 66-67; SR. RES. ASSOC. INST. DEFENSE ANAL, 67- U.S.A.A.F., 42-45, Lt. Econ. Asn; Economet. Soc. Economic theory; taxation and fiscal policy; money and banking. Publ: Capitalization effects of excise taxes, Am. Econ. Rev; Capitalization effects of asset taxation, South. Econ. J; Relationship among money costs and the rate of return, Quart. J. Econ. Address: 6319 Mori St, McLean, Va. 22101.

STOCKHOUSE, LT. COL. ROBERT E(RLAND), U.S.A.F., b. Sheridan, Wyo, Aug. 14, 25; m. 44; c. 2. PSYCHOLOGY, GUIDANCE. B.S., Black Hills Teachers Col, 47; M.A., Columbia, 48; Ed.D., Stanford, 59. U.S. AIR FORCE, 50-, instr. psychol. & guid, Air Univ, 50-53, res. specialist, Mather Air Force Base, Calif, 55-57, asst. prof. PSYCHOL, U.S. AIR FORCE ACAD, 59-63, assoc. prof, 63-65, TENURE PROF, 65-, DEP. HEAD DEPT, 66-Psychol. Asn; Personnel & Guid. Asn. Educational guidance and counseling; cost of guidance administration; educational psychology and sociology. Publ: Air University instructors' manual; Socio-economic information for Colorado Springs, 1/64 & Referral sources for Colorado Springs, 1/65, Univ. Colorado. Address: Dept. of Psychology, U.S. Air Force Academy, Colo. 80840.

STOCKIN, DR. BRUCE C, b. Chaffee, N.Y., Nov. 10, 32; m. 55; c. 2. PSYCHOLOGY. A.B., Houghton Col, 56; Ph.D.(psychol), Buffalo, 61. Clin. psychologist, Vet. Admin. Hosp, Columbia, S.C., 61-63; prof. psychol, Houghton Col, 63-67; ASSOC. PROF. ED. & REHAB. COUNSELING, STATE UNIV. N.Y. ALBANY, 67- Panel psychologist, State Div. Voc. Rehab, N.Y., 66-U.S.N.A.F.R., 53-54. Psychol. Asn; Nat. Rehab. Asn. Vocational development theory; rehabilitation counselor training. Publ: A test of Hollands occupational level formulation, C.C. Thomas, 65; Perspectives on scientific psychology, Houghton Col. Press, 66; co-auth, Predicting medical school success: a ten year study, J. Exp. Ed, 62. Address: 2913 Helderberg Trail, East Berne, N.Y. 12059.

STOCKING, COLLIS, b. Clarendon, Tex, Aug. 25, 00; m. 29; c. 2. ECONOMICS. M.A., Columbia, 26. Mem. econ. staff, N.Y. Univ. & Vermont, 27-35; asst. chief for trade statist, U.S. Dept. Commerce, 35-36; asst. dir. bur. employ. security, Soc. Security Bd, 36-41; asst. exec. dir, War Manpower Cmn, 41-45; asst. dir, U.S. Employ. Serv, 45-48; dir. prog. div, Nat. Security Resources Bd, 48-51; dir. prod. Defense Prod. Admin, 51-53; sr. economist & admin. officer, Coun. Econ. Adv, 53-62; Ford Found. adv, Indian Govt, 62-65; RETIRED. U.S. Govt. rep, cmm. on employ. serv, Int. Labor Conf, Switz, 47 & Calif, 48. Econ. Asn; Statist. Asn. Labor; materials. Publ: U.S. foreign trade; co-auth, Economic principles and problems. Address: 3225 N. Glebe Rd, Arlington, Va. 22207.

STOCKING, DR. GEORGE W, JR, Hist. of Soc. Sci, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

STOCKING, PROF. GEORGE W(ARD), b. Clarendon, Tex, Sept. 24, 92; m. 23; c. 4. ECONOMICS. A.B., Texas, 18; A.M., Columbia, 21, Garth fel, 21-22, Ph.D., 25. Economist, Nat. Indust. Conf. Bd, N.Y., 23-24; asst. prof. econ, Dartmouth Col, 24-25; assoc. prof, Texas, 25-26, prof, 26-46; prof. econ, chmn. dept. econ. & bus. admin. & dir. inst. res. & training in soc. sci, VANDERBILT, 47-63, EMER. PROF, 63- Guggenheim fel, Mexico, 32; tech. adviser, labor adv. bd, Nat. Recovery Admin, 33; asst. dir, bur. res. &

statist, Nat. Defense Cmn, 40; econ. expert, anti-trust div, U.S. Dept. Justice, 41-44; vis. prof, American Univ. Beirut, 60-61; Rockefeller Found. res. grant, 63-64, vis. prof, Mich. State, 65; Ford Found. res. grant, 66-67. Consult, Econ. Coop. Admin, 49-51; Fed. Trade Cmn, 65-66. Chmn, Petrol. Labor Policy Bd, 34-35; Longshoremen's Mediation Bd, 37-38; President's Emergency Bd, Atlanta, Birmingham & Coast R.R. Labor Dispute, 41; mem, Soc. Sci. Res. Coun, 48-54, chmn, 54. Dir. fuels div, Off. Price Admin, 42; pub. mem, War Labor Bd, 43. U.S.A., 18. Econ. Asn.(pres, 58). Economics of mineral resources; organization and control of industry; cartels and competition. Publ: Basing point pricing and regional development; Workable competition and antitrust policy; co-auth, Monopoly and free enterprise. Address: 501 Portola Rd, Portola Valley, Calif. 94025.

STOCKMAN, PROF. LYNN HOMER, b. Salt Lake City, Utah, May 29, 14; m. 47; c. 2. MARKETING. A.B., Utah, 36; M.B.A., Northwestern, 38, Ph.D. (mkt), 57. Mgt. trainee, Marshall Field & Co, Ill, 36-38, asst. to exec. secy, 38-39; mkt. analyst, Standard Oil Co, Ill, 39-41; lectr. mkt. sch. bus, Northwestern, 46-51, asst. dean, 51-54, lectr. MKT, 54-57, assoc. prof, 57-66; PROF, COL. BUS. & PUB. ADMIN, ARIZONA, 66- U.S.A., 41-46, Lt. Col. Mkt. Asn; Econ. Asn. Consumer behavior; marketing research; development marketing theory; the communications processes in marketing. Publ: Ed, Advancing marketing efficiency, Am. Mkt. Asn, 59; auth, Successful management succession, Hart Schaffner & Marx, 67; Consumer response to special deals, U.S. Dept. Agr. Mkt. Res. Report 356, 8/59. Address: College of Business and Public Administration, University of Arizona, Tucson, Ariz. 85721.

STOCKTON, PROF. FRANK T(ENNEY), b. Mosiertown, Pa, Oct. 22, 86; m. 17; c. 2. ECONOMICS. A.B., Allegheny Col, 07; hon. L.H.D., 28; fel, Hopkins, 09-11, Ph.D.(econ), 11. Instr. econ. & hist, Rochester, 11-13; asst. prof. econ. & sociol, Indiana, 13-17; prof. econ, chmn. dept. & dean col. arts & sci, South Dakota, 17-24; prof. econ, KANSAS, 24-57, chmn. dept. econ. & dean sch. bus, 24-47, dean univ. exten, 47-53, dir. spec. proj, 53-57, EMER. PROF. ECON, 57- Lectr, Michigan, 15-16. From assoc. dir. to dir, State Survival Plan Proj, Kans, 57-59; pub. mem, War Labor Bd, 44-45; Wage Stabilization Bd, 52-53; exec. secy, State Interdept. Cmt. Aging, Kans, 59-61. Econ. Asn. Labor economics; personnel management; university extension. Publ: The closed shop in American trade unions; The International Molders' Union of North America; The pioneer years of university extension at the University of Kansas. Address: 720 Indiana St, Lawrence, Kans. 66044.

STOCKTON, PROF. JOHN R(OBERT), b. Leon, Iowa, Oct. 19, 03; m. 28; c. 2. BUSINESS & ECONOMIC STATISTICS. A.B., Maryville Col, 25, LL.D., 56; A.M., Iowa, 27, Ph.D., 32. Statistician, Meredith Pub. Co, 32-35; PROF. BUS. STATIST, TEXAS, AUSTIN, 35-, DIR. BUR. BUS. RES, 49-, statistician, 46-49, chmn. dept. bus. servs, 48-50, 53-58. Prin. indust. economist, War Prod. Bd, 42. Ed, Tex. Bus. Rev, 49- Mem. bd. dirs, San Antonio Br, Fed. Reserve Bank Dallas, 60-65; adv. cmt. to Cmmr. Internal Revenue, 66-67. U.S.A., 42-46, Lt. Col. Statist. Asn; Econ. Asn; Mkt. Asn. Application of statistical methods to economic and business research. Publ: An introduction to business statistics; Laboratory manual for business statistics; Business statistics. Address: Dept. of General Business, University of Texas, Austin, Tex, 78712.

STOCKWELL, PROF. EDWARD G, b. Newburyport, Mass, June 11, 33; m. 56; c. 3. DEMOGRAPHY, SOCIOLOGY. A.B., Harvard, 55; M.A., Connecticut, 57; Ph.D.(sociol), Brown, 60. Pop. analyst, U.S. Bur. Census, 60-61; asst. prof. SOCIOL, CONNECTICUT, 61-63, assoc. prof, 63-66, PROF, 66- Demographic analysis; social change in underdeveloped areas. Publ: Population and people, Quandrangle, 68. Address: Little Lane, Storrs, Conn. 06268.

STOCKWELL, ELEANOR JANE (MRS. R. W. FRASE), b. Lockport, N.Y., Sept. 23, 15; m. 39; c. 3. ECONOMICS. A.B., Vassar Col, 36. ECONOMIST CAPITAL MKTS, BD. GOVS, FED. RESERVE SYST, 36- Business finance; capital markets; institutional investors. Publ: Co-auth, Measuring the nation's wealth, Nat. Bur. Econ. Res, 64; auth, Financial assistance to business enterprises, Fed. Bar J; co-auth, Changing importance in institutional investors in the American capital market, In: Law and contemporary problems. Address: Board of Governors of the Federal Reserve System, Washington, D.C. 20551.

STODDARD, DR. ELLWYN R(EED), b. Garland, Utah, Feb. 16, 27; m. 64; c. 7. SOCIOLOGY, ANTHROPOLOGY. B.S., Utah State, 55; univ. fel, Brigham Young, 53-55, M.S., 55; univ. fels, Mich. State, 55-58, Ph.D.(sociol), 61. Asst. prof. SOCIOL, Drake, 59-64, ASSOC. PROF, 64-65; TEXAS, EL PASO, 65- Nat. Inst. Health lectr, Des Moines Col. Osteopath. Med. & Surg, 63-64; Gulf Oil res. fel, Drake, 63-65; Univ. Res. Inst-Univ. Texas at El Paso res. grant, U.S.-Mex. border studies, 65-68. U.S.C.G.R., 44-46; U.S.A.R., 52-63, 2nd Lt. AAAS; Sociol. Asn. U.S.-Mexican border institutions and attitudes in occupational aspiration & medical practices; role of local power structures in community development. Publ: Field methods of social research, Tex. West. Col, 66; Toward a sociological contribution to disaster research, Rocky Mt. Soc. Sci. J, 10/67; The informal code of police deviancy: a group approach to blue-coat crime, J. Criminal Law, Criminol. & Police Sci, 6/68. Address: Dept. of Sociology, University of Texas at El Paso, El Paso, Tex. 79999.

STODDARD, DR. GEORGE D(INSMORE), b. Carbondale, Pa, Oct. 8, 97; m. 25; c. 5. PSYCHOLOGY. A.B., Pa. State Col, 21; dipl, Paris, 23; Ph.D., Iowa, 25; Litt.D., Colgate, 42; LL.D., St. Lawrence, Syracuse & Hobart Col, 42, N.Y. Univ. & Skidmore Col, 43, Union Col, 44, Yeshiva, 46, Florida, Lake Forest Col. & Washington (St. Louis), 48, Toledo, 49; L.H.D., Alfred, 43; D.F.A., Grinnell, 59. Assoc. psychol. & ed, Iowa, 25-26, asst. prof, 26-28, assoc. prof. psychol, 28-29, prof, 29-42, head dept, 38-39, acting dir, child welfare res. sta, 28-29, dir, 29-42, deangrad. col, 36-42; pres, State Univ. N.Y., 42-46; pres, Illinois, 46-53; dir, self study, N.Y. Univ, 54-56, dean sch. ed, 56-59, chancellor & exec. v.pres, 59-63, distinguished prof, 64-67; V.CHANCELLOR ACAD. AFFAIRS, LONG ISLAND, 67- Chmn, U.S. Ed. Mission, Japan, 46; state cmmr. ed, N.Y., 42-46. Chmn, Am. Coun. Ed, 46-

47. U.S.A., 18-19, 2nd Lt. AAAS; Psychol. Asn. Child psychology; tests and measurements; elementary statistics. Publ: Meaning of intelligence; On the education of women; Dual progress plan. Address: Long Island University, Greenvale, N.Y. 11548.

STODDARD, DR. ROBERT H(UGH), b. Auburn, Nebr., Aug. 29, 28; m. 55; c. 3. GEOGRAPHY. B.A., Nebr. Wesleyan, 50, Woods Found. fel, 64-65; M.A., Nebraska, 60; Northwestern, 63; Ph.D.(geog), Iowa, 66. Instr. GEOG, Nebr. Wesleyan, 61-63, ASST. PROF., 63-67; NEBRASKA, LINCOLN, 67- Mem. faculty, Okla. State, 66. Asn. Am. Geog. Asn. Asian Studies; Regional Sci. Asn. Social geography, especially geography of non-economic behavior; spatial structure of religious phenomena. Publ: The distribution of major Hindu holy sites, Ann. Asn. Am. Geogr. 67. Address: Dept. of Geography, University of Nebraska, Lincoln, Nebr. 68508.

STODDARD, THEODORE L(OTHROP), b. Dennis, Mass., Nov. 15, 26; m. 62; c. 4. ANTHROPOLOGY. A.B., Harvard, 50, fel, 52-54, A.M., 57. Archaeologist, Arctic Res. Lab, Pt. Barrow, Alaska, 52; R.S. Peabody Found. res. fel, Phillips Acad, Mass., 54-57; res. assoc. anthropometry, bio-mech. lab & instr. anthrop. Tufts, 57-59; human factors specialist, Gen. Elec. Co., 59-62; res. scientist, Am. Insts. Res., 62-64; DIR, INST. CROSS-CULTURAL RES., 64- Ed, ICR Studies, 66- U.S.N.R., 44-, Lt. Cmdr. AAAS; Anthropol. Asn; Soc. Am. Archaeol; Soc. Appl. Anthropol. Human ecology; cultural anthropology; information systems design and training; human engineering, anthropometry archaeology. Publ: Information systems survey course, Gen. Elec. Co., 61; co-auth, Cultural stratigraphy in Panama, Am. Antiquity, 54. Address: Institute for Cross-Cultural Research, 4000 Albemarle St. N.W., Washington, D.C. 20016.

STODDART, PROF. CURWEN, b. New York, N.Y., Jan. 6, 09; m. 34; c. 1. ECONOMICS, SOCIAL SCIENCE. B.S., N.Y. Univ., 30, M.A., 34. Instr. ECON, N.Y. Univ., 34-38; BROOKLYN COL., 38-58, ASST. PROF., 58-, DEP. CHMN. SOC. SCI. GROUP, 60- Economist, live poultry code authority, Nat. Recovery Admin., 34-35; res. economist, Nat. War Labor Bd., 44. Mem. staff, strategic bombing surv., U.S. War Dept., 45. U.S.A., 43. Psycho-social approach to economic behavior; industrial and economic development; international relations; socialist economic development. Publ: Co-auth, Dynamics of the American economy; auth, Histadrut plan for worker participation in management, Histadrut, Israel, 62; Psychocultural approach to social science, J. Higher Ed. Address: Dept. of Economics, Brooklyn College, Bedford Ave. & Ave. H, Brooklyn, N.Y. 11210.

STODOLA, DR. QUENTIN CECIL, b. Brockton, Mass., Oct. 18, 18; m. 48; c. 3. COUNSELING. B.A., Queens Col.(N.Y.), 42; M.A., Montclair State Col., 50; Ph.D., Wyoming, 54. Assoc. prof. psychol, Westminster Col.(Mo.), 54-55; assoc. test develop, Ed. Testing Serv., N.J., 55-58; assoc. prof. ed. & psychol. & dir. testing, Northern Michigan, 65-66; ASSOC. DEAN COUNSELING, CALIF. STATE COL., DOMINGUEZ HILLS, 66- Psychol. Asn; Personnel & Guid. Asn. Test development; counseling; research in use of tests. Publ: Co-auth, Making the classroom test, a guide for teachers, Ed. Testing Serv., 58; auth, Counseling in an educational setting (film), N.Dak. State Univ., 64; Basic educational tests and measurement, Sci. Res. Assocs., 67. Address: California State College at Dominguez Hills, 809 E. Victoria St, Gardena, Calif. 90247.

STODOLSKY, DR. SUSAN SILVERMAN, b. New York, N.Y., June 7, 40; m. 65. DEVELOPMENTAL PSYCHOLOGY, EDUCATION. A.B., Antioch Col., 61; Nat. Defense Ed. Act fel. & A.M., Chicago, 63, Nat. Defense Ed. Act fel. & Ph.D.(ed), 65. Res. asst, center study higher ed, California, Berkeley, 61-62; res. assoc, lab. human develop, Harvard, 65-67, ASST. PROF. human develop, 66-67; MEASUREMENT & STATIST. IN ED, CHICAGO, 67- Soc. Res. Child Develop; Ed. Res. Asn. Observational study of pre-school children; intellectual development of disadvantaged children. Publ: An annotated bibliography on education and cultural deprivation, In: Compensatory education for cultural deprivation, Holt, 65; co-auth, Learning patterns in the disadvantaged, Harvard Ed. Rev., fall 67. Address: Dept. of Education, University of Chicago, 5835 S. Kimbark, Chicago, Ill. 60637.

STOER, DR. LEOPOLD, b. May 11, 07; nat; m. 38; c. 2. PSYCHOLOGY. Ph.D.(psychol), Vienna, 37; M.S., San Francisco State Col., 59. Clin. psychologist, NAPA STATE HOSP, IMOLA, 59-67, HOSP. IMPROV. PROJ. COORDINATOR, 67- Cert. in clin. psychol, Am. Bd. Exam. Prnl. Psychol., 66. AAAS; Psychol. Asn; Int. Soc. Clin. & Exp. Hypnosis. Measurement of behavioral change; assessment of induced change of values and attitudes; visual motor perception. Publ: Auth, Agreement between psychological and psychiatric diagnosis, 6/64, co-auth, The role of perception in the reproduction of Bender-Gestalt designs, 65 & auth, A picture test for the evaluation of in-service training programs, 12/67, J. Proj. Tech. & Personality Assessment. Address: 3757 Dover St, Napa, Calif. 94558.

STOERKER, DR. C. FREDERICK, b. Eudora, Kans., Sept. 20, 17; m. 42. POLITICAL SCIENCE. A.B., Baker, 39; S.T.B., Boston, 42; Ph.D.(polit. sci), Missouri, Columbia, 66. Minister, Hartsburg United Church of Christ, Mo., 42-44; campus minister, United Church of Christ, Univ. Missouri, Columbia, 44-58; exec. staff, Nat. Student Christian Fedn., Nat. Coun. Churches, 56-64; dir. dept. ed. serv., Coun. Student Travel, 65-66; ASST. PROF. SOC. SCI., KINGSBOROUGH COMMUNITY COL., CITY UNIV. N.Y., 66- Instr. Missouri, Columbia, 46-51. Dir. Peace Corps Off., Nat. Coun. Churches, 62-64, consult, Church World Serv., 66-67; Care Inc., 67. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Role of voluntary organizations in foreign aid; church and state relations. Publ: The Peace Corps: no longer an experiment, Christian Century, 11/64; A call to effective dissent, Soc. Action, 3-68. Address: 800 Riverside Dr., Apt. 2E, New York, N.Y. 10032.

STOESSINGER, PROF. JOHN G., b. Vienna, Austria, Oct. 14, 27; nat. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. A.B., Grinnell Col., 50; M.A., Harvard, 52, Ph.D., 54. Assoc. prof. POLIT. SCI., HUNTER COL., 61-67, PROF., 67-, EXEC. OFFICER DOCTORAL PROG. POLIT. SCI. & DIR. RES. INST. UN AFFAIRS, 67- Vis. prof., Columbia, 60-67; res. assoc., Brookings Inst; dir. polit. affairs div, UN, 67- Mem. Cm. Study Org. Peace. Refugee problems; international relations theory. Publ: Finance

the United Nations system, Brookings Inst., 64; Power and order, 64; The United Nations and the superpowers, 65. Address: Dept. of Political Science, Hunter College, 695 Park Ave., New York, N.Y. 10021.

STOEVENER, DR. HERBERT H(ORST), b. Bad Grund, Germany, May 14, 34; U.S. citizen; m. 58; c. 2. ECONOMICS. B.S., Cornell, 58; M.S., Illinois, 62, univ. fel. & Ph.D.(agr. econ), 63. Asst. prof. AGR. ECON, OREGON STATE, 62-67, ASSOC. PROF., 67- Prin. investr., Resources for Future, Inc. res. grant, 67-69; proj. dir., Fed. Water Pollution Control Admin. training grant, 67-70. Mem. submt. prnl. develop. resource econ, Interregional Land Econ. Res. Cmt., 67-68. Am. Econ. Asn; Am. Agr. Econ. Asn; Int. Asn. Agr. Econ. Natural resource economics; economics of outdoor recreation and water and air quality. Publ: Water use relationships as affected by water quality on the Yaquina Bay, In: New horizons for resources research: issues and methodology, Western Resources Conf., Univ. Colorado, 64; co-auth, Input-output models and benefit-cost analysis in water resources research, 12/65 & Analytical issues in demand analysis for outdoor recreation, 12/67, J. Farm Econ. Address: Dept. of Agricultural Economics, Oregon State University, Corvallis, Ore. 97331.

STOFFLET, DR. ELLIOTT H(OLMES), b. Dec. 10, 04; U.S. citizen; m. 30; c. 1. PSYCHOLOGY. A.B., Lafayette Col., 27; M.A., Columbia, 29, Inst. Child Guid. fel., 30-31, Ph.D.(psychol), 35. Psychologist, County Court, N.Y., 32; appointee, Columbia Res. Coun., 35-36; asst. clin. psychologist, N.J. State Reformatory, Rahway, 36-39, dir. ed, 39-43, supvr. industrs, 43-46, dir. psychol. serv., 46-48, Bordentown, 48-66; prin. clin. psychologist, Youth Reception & Correction Center, Yardville, 66-67; RETIRED. Psychologist, pub. schs, N.J., 37-48; voc. appraiser, Vet. Admin. Guid. Bur., Stevens Inst. Tech., 46-48. Dipl. Am. Bd. Exam. Prnl. Psychol., 51. Fel. Psychol. Asn. Parole prediction. Address: 132 Grover Rd, Toms River, N.J. 08753.

STOGDILL, PROF. EMILY L(ATHERMAN), b. Wapakoneta, Ohio, July 13, 93; m. 28; c. 1. PSYCHOLOGY. A.B., Ohio Wesleyan, 15; M.A., Ohio State, 23, Ph.D.(clin. psychol), 28. Asst. PSYCHOL, OHIO STATE, 23-29, Instr., 29-34, asst. prof., 34-45, assoc. prof., 45-58, prof., 58-63, EMER. PROF., 63- Dipl. Am. Bd. Exam. Prnl. Psychol. Fel. Psychol. Asn. Adjustment problems of adolescents, including college students; methods of teaching mental hygiene at adult levels; test evaluation. Publ: Co-auth, Objective personality study; auth, Techniques of student counseling, In: Readings in the clinical method in psychology; Withdrawal forms of the defense mechanism, In: Modern trends in abnormal psychology. Address: 3658 Olentangy Blvd, Columbus, Ohio 43214.

STOGDILL, PROF. RALPH M(ELVIN), b. Convoy, Ohio, Aug. 29, 04; m. 28; c. 1. PSYCHOLOGY. B.A. & M.A., Ohio State, 30, Ph.D.(psychol), 34. Fel., Ohio State, 34-35, assoc. dir. leadership studies, 46-53; psychol., State Bur. Juvenile Res., Ohio, 35-42; res. soc. scientist, grad. sch., Stanford, 53-54; mem. staff, bur. bus. res., OHIO STATE, 54-68, PROF. MGT. SCI., COL. ADMIN. SCI., 60- U.S. Merchant Marine, 42-46. AAAS; Psychol. Asn; Psychonomic Soc; Inst. Gen. Sys. Res; Inst. Mgt. Sci. Measures of leadership and organization structure and performance; social psychology; organization research. Publ: Leadership and structures of personal interaction; Individual behavior and group achievement; Managers, employees, organizations, Col. Admin. Sci., Ohio State Univ. Address: 3658 Olentangy Blvd, Columbus, Ohio 43214.

STOIKOV, DR. VLADIMIR L(IUBENOV), b. Sofia, Bulgaria, Dec. 25, 29; nat; m. 59. ECONOMICS. B.S., Illinois, 53; M.S., Wisconsin, 56; Soc. Sci. Res. Coun. fel, Hopkins, 58-59, Ph.D.(econ), 60. Instr. econ, Smith Col., 59-60; res. asst., Princeton, 60-61; asst. prof., Wesleyan, 61-63; assoc. prof., Queens Col.(N.Y.), 63-64; mem. div. econ. Int. Labour Off., 64-65; ASSOC. PROF. LABOR & INDUST. RELS., ILLINOIS, CHAMPAIGN, 65- Ford Found. summer fel, Regional Faculty Res. Seminar, 63. Am. Econ. Asn; Economet. Soc; Indust. Rels. Res. Asn; Royal Econ. Soc. Allocation of scientists and engineering engineers; investment in human capital; economic development; quality of labor force; educational planning. Publ: The allocation of scientific effort, Quart. J. Econ., 5/64; auth, Increasing structural unemployment reexamined, 4/66 & co-auth, The quality of the labor force, 4/67, Indust. & Labor Rels. Rev. Address: Institute of Labor & Industrial Relations, University of Illinois, Champaign, Ill. 61822.

STOKE, PRES. HAROLD WALTER, Polit. Sci., see 10th ed, Soc. & Behav. Vols.

STOKE, DR. STUART M., b. Kirkville, Iowa, Sept. 25, 95; m. 22; c. 2. PSYCHOLOGY. A.B., Taylor, 16; scholar, & Ed.M., Harvard, 24, Ed.D., 28. Asst. prof. psychol, Buffalo, 26-27; assoc. prof., Ohio, 27-31; prof. ed. & chmn. dept., Mt. Holyoke Col., 31-39; collab. study teacher ed., Am. Coun. Ed., Ill., 39-40; prof. psychol. & ed., Mt. Holyoke Col., 40-61, chmn. dept., 40-48, 51-54; coordinator coop. activities, Mt. Holyoke, Amherst & Smith Colls. & Univ. Massachusetts, 61-64; RETIRED. Psychol. Asn. Child development; educational psychology. Publ: Inquiry into the concept of identification: J. Genetic Psychol; The new college plan, student reactions to study facilities. Address: 3 Blueberry Lane, Old Saybrook, Conn. 06475.

STOKES, PROF. CHARLES J(UNIUS), b. Washington, D.C., Aug. 17, 22; m. 46; c. 2. ECONOMICS. A.B., Boston, 43, A.M., 47, Ph.D., 50. Prof. econ. & bus., Atlantic Union Col., 46-60, dean, 54-56; DANA PROF. ECON, BRIDGEPORT, 60- Fulbright prof., Guayaquil, 58-59; Cent. Univ. Ecuador, 59; Nat. Univ. Litoral, 60; lectr., S.A.M., 60-61; Fulbright prof., Lima, 64; vis. prof., Brown, 65; Colorado, 66; Connecticut, 67. Consult, State Dept. Pub. Works, Mass., 60-61; Ford Found., Venezuela, 62; Tippetts, Abbott, McCarthy & Stratton, Peru, Colombia, Bolivia & Ecuador, 64; United Res. Inc; Itadco; Litton Industrs, Inc; Gen. Invest. Funds; Govts. of Ecuador, Peru, Costa Rica & Venezuela. Dir. res. Off. Price Stabilization, 51-52, consult, 52-53; dir. case studies transport Latin Am., Brookings Inst., 63-64. Gold Medal, Govt. Argentina, 60. Econ. Asn; Nat. Asn. Bus. Econ; Inst. Mgt. Sci; Asn. Latin Am. Studies. Economic theory of welfare analysis; Puerto Rican land tenure problem; consumer's surplus; economic development of Latin America; theories of urban development; economics of planning. Publ: Economics of management, Random, 68; Economic development and transportation in Latin America, Praeger, 68; A theory of slums, Land Econ., 62. Address: Pepper Crossing, Stepney, Conn. 06468.

- STOKES, PROF. DONALD E, b. Philadelphia, Pa. Apr. 1, 27; m. 55; c. 2. POLITICAL SCIENCE. B.A., Princeton, 51; Chubb fel, Yale, 52-54; Soc. Sci. Res. Coun. fel, 55-57, Ph.D. (polit. sci.), 58. Instr. polit. sci., Yale, 52-54; asst. study dir., SURV. RES. CENTER, MICHIGAN, 57-58, study dir., 58-61, sr. study dir., 61-65, PROG. DIR., 65-. PROF. POLIT. SCI. UNIV., 65-. asst. prof., 59-63, assoc. prof., 63-65. Fulbright sr. scholar, U.K., 62-63; assoc. mem., Nuffield Col., Oxford & Guggenheim Mem. Found. fel., 63-64. Polit. Sci. Assn; Statist. Assn; Asn. Pub. Opinion Res. Political behavior and comparative political systems; survey research. Publ: Co-auth., American voter; co-auth., Elections and the political order, Wiley, 66; auth., Components of electoral decision, Am. Polit. Sci. Rev. Address: Survey Research Center, University of Michigan, Ann Arbor, Mich. 48106.
- STOKES, PROF. ELIZABETH H, b. Richland, Tex. Jan. 5, 22; m. 43; c. 2. GUIDANCE, PSYCHOLOGY. B.S., Sam Houston State Col., 42, M.A., 47; Ed.S., George Peabody Col., 56; Ed.D., North Texas State, 60. Soc. worker, Tex. State Dept. Pub. Welfare, 42-44; teacher, pub. sch., Tex., 45-46; asst. sociol., Sam Houston State Col., 46-47; instr., Navarro Jr. Col., 48-49, appraiser, Vet. Admin. Guid. Center, 49-50; teacher pub. sch., 51-53; sch. psychologist, pub. sch., Tenn., 55-57; instr. PSYCHOL., Northwest State Col. (La.), 57-58; North Texas State, 59-60; assoc. prof., AUSTIN PEAY STATE, 60-63, PROF., 63-. Dir., Nat. Defense Ed. Act Inst. Adv. Study Teachers of Disadvantaged Youth, 68-69. Counseling psychologist, Harriett Cohn Guid. Center, 61-63; psychol. exam., Tenn. State Dept. Ed., 63-; consult., pub. schs., Tenn., 63-. Headstart Prog., summers, 66-68. Psychol. Assn; Personnel & Guid. Assn. School entrance age of children; reading problems of children; sociometry. Publ: Co-auth., Certain effects of one-to-one relationships between college sophomores and seventh graders, Peabody J. Ed., 9/66. Address: Dept. of Psychology, Austin Peay State University, Clarksville, Tenn. 37040.
- STOKES, DEAN GEORGE A (LWIN), b. Winnfield, La., Dec. 29, 20; m. 45; c. 2. GEOGRAPHY. A.B., Northwest State Col. (La.), 42; M.S., La. State, 48, Ph.D. (geog.), 54. Asst. prof. geog. & geol., NORTHWEST STATE COL. (La.), 49-61, prof. geog., 61-63, dean sch. arts & sci., 63-67, DEAN ACAD. AFFAIRS, 67-. SCH. LIB. ARTS, 68-. U.S.A., 42-46, Lt. Asn. Am. Geogr. Publ: Lumbering and western Louisiana cultural landscapes, Ann. Asn. Am. Geogr; Log-rafting in Louisiana, J. Geog. Address: Northwestern State College, Natchitoches, La. 71457.
- STOKES, PROF. MILTON LONSDALE, b. Sombra, Ont., July 12, 96; m. 36; c. 2. ECONOMICS. B.A., Toronto, 20, M.A., 22, LL.B. & Barrister-at-Law, 26; Ph.D., Pennsylvania, 38. Prof. ECON., Lebanon Valley Col., 26-46; assoc. prof., Pa. State, 46-47; prof., Wilson Col., 47-50; prof. & chmn. dept., GETTYSBURG COL., 50-65, EMER. PROF., 65-. Vis. prof., Heidelberg Col., 66-68. Am. Econ. Assn; Can. Econ. Assn. Money and banking; business law; public finance principles of economics. Publ: Bank of Canada; Money, banking and the financial system. Address: 120 Aruthery Dr., Gettysburg, Pa. 17325.
- STOKES, DR. PETER E, Med, see 11th ed, Phys. & Biol. Vols.
- STOKES, PROF. WILLIAM S (YLVANE), Polit. Sci., see 10th ed, Soc. & Behav. Vols., deceased 67.
- STOKES, DR. WILLIAM WOODS, b. Panama City, Fla., May 28, 32; m. 62; c. 2. EDUCATION. B.A., Florida, 54, M.Ed., 60, D.Ed. 63. Asst. prof. ed., Texas A&M, 63-64, chmn. dept. sec. ed., 65-67; HEAD DEPT. ED., ARMSTRONG STATE COL., 67-. U.S.A., 54-56. Evaluation of teaching performance; readability; discovery learning. Publ: An analysis of learning by discovery, 1/66 & An evaluation of methods of teaching for discovery, 1/67, Fla. J. Ed. Res; co-auth., A simplification of the revised Lorge readability formula, J. Ed. Res., 68. Address: Dept. of Education, Armstrong State College, Savannah, Ga. 31406.
- STOLARZ, DEAN THEODORE J (OHN), b. Chicago, Ill., Feb. 16, 28. EDUCATIONAL PSYCHOLOGY. B.S., Northwestern, 49, M.A., 51, Ph.D., 55. Ed. psychol. asst. human eng., U.S. Army Pitman-Dunn Labs, Frankford Arsenal, 56-57; psychologist, bur. child study, Chicago Bd. Ed., Ill., 57-58; ASSOC. PROF. PSYCHOL., CHICAGO STATE COL., 58-. DEAN STUDENTS, 67, dir. grad. sch., 58-65, dean, 65-67. Ord.C. U.S.A., 55-57. AAAS; Psychol. Assn; Ed. Res. Assn. Factors affecting reading comprehension; prediction of student success in academic work; child development. Publ: How important is speed in reading, Chicago Schs. J.; Some results of a remedial reading program with college students, Sch. & Soc. Address: Dept. of Psychology, Chicago State College, 6800 S. Stewart Ave., Chicago, Ill. 60621.
- STOLNITZ, PROF. GEORGE J (OSEPH), b. New York, N.Y., Apr. 4, 20; m. 47; c. 3. ECONOMICS, STATISTICS. B.A., City Col. New York, 39; M.A., Princeton, 42, Ph.D. (econ. demog.), 52. Statist. analyst, New York City Dept. Health, 39-49; U.S. Bur. Census, 41-42; res. assoc. off. pop. res., Princeton, 48-53, asst. prof. ECON., 53-56; assoc. prof. INDIANA, 56-59, PROF., 59-. DIR. INT. DEVELOP. RES. CENTER, 66-. Nat. Sci. Found. res. fel., 59-60; vis. prof., Kiel, 63. Summer consult. pop. div., UN, 47. Mem. 1960 pop. census monogr. cmt. Soc. Sci. Res. Coun.-U.S. Bur. Census, 61-, tech. adv. cmt., U.S. Bur. Census, 65-; life tables cmt., U.S. Dept. Health, Ed. & Welfare, 64-U.S.A.A.F., 42-46, Capt. Pop. Assn. (v.pres.), 62; Econ. Assn; Economet. Soc. Economic development; population; quantitative economic methodology; sample survey techniques; manpower, especially migration. Publ: Life tables from limited data: a demographic approach, 56 & US employment and unemployment statistics: an evaluation, 62, Princeton Univ. Address: International Development Research Center, Indiana University, 703 E. Seventh St., Bloomington, Ind. 47405.
- STOLL, DR. HANS R, b. Regensburg, Germany, Dec. 11, 39; U.S. citizen; m. 67. ECONOMICS. A.B., Swarthmore Col., 61; M.B.A., Chicago, 63, Ph.D. (econ.), 66. Instr. econ. grad. sch. bus., Univ. Chicago, 65-66; ASST. PROF. FINANCE, WHARTON SCHOOL, PENNSYLVANIA, 66-. Econ. Assn; Finance Assn. Business and international finance; capital markets. Publ: An empirical study of the forward exchange market, Can. J. Econ., 2/68. Address: Dept. of Finance, Wharton School, University of Pennsylvania, Philadelphia, Pa. 19104.
- STOLLER, DR. DAVID S (AMUEL), Math, see 11th ed, Phys. & Biol. Vols.
- STOLLER, DR. WILLIAM LEWIS, b. Schenectady, N.Y., June 8, 34; m. 61. PSYCHOLOGY. B.A., Syracuse, 60, U.S. Pub. Health Serv. trainee, 62-64, Ph.D. (psychol.), 65. ASST. PROF. PSYCHOL., INDIANA, 67-. U.S. Pub. Health Serv. res. fel., 65-67. AAAS. Physiological psychology; thirst; gerontology; physiological correlates of learning. Publ: Co-auth., Central effects of intracarotid injections of hypertonic NaCl solutions on spinal reflex excitability in the rat, Fedn. Proc., 62; Effects of intracarotid injection of hypertonic saline on spinal reflex excitability, Nature, London, 63; Lateral hypothalamic mediation of spinal reflex facilitation during salt arousal of drinking, Physiol. & Behav., 66. Address: 1901 S. Park Rd., Apt. A-202, Kokomo, Ind. 46901.
- STOLLNITZ, DR. FRED, b. New York, N.Y., Apr. 13, 39; m. 61; c. 1. PSYCHOLOGY. B.A., Swarthmore Col., 59; U.S. Pub. Health Serv. fel., Brown, 60-62, Sc.M., 61, Nat. Sci. Found. fel., 62-63, Ph.D. (psychol.), 63. Res. assoc. PSYCHOL., Brown, 63-64, asst. prof., 64-65, asst. res. prof., 65-66; ASST. PROF. CORNELL, 66-. AAAS; Psychol. Assn; Int. Primatol. Soc. Discrimination learning, especially effects of spatial stimulus variables and training procedures; visual perception; behavior of nonhuman primates. Publ: Co-ed., Behavior of nonhuman primates (2 vols), Academic, 65; co-auth., Discrimination learning by monkeys with spatial separation of cue and response, J. Comp. & Physiol. Psychol., 62; auth., Spatial variables, observing responses, and discrimination learning sets, Psychol. Rev., 65. Address: Dept. of Psychology, Cornell University, Morrill Hall, Ithaca, N.Y. 14850.
- STOLPER, PROF. ISRAEL, b. Daugavpils, Latvia, Aug. 12, 93; U.S. citizen; m. 22; c. 2. GOVERNMENT, ECONOMICS. LL.B., Northeastern, 15; A.B., Harvard, 45, A.M. & Ph.D., 62; M.A., Boston, 47. Private practice, 17, 19-40; supvr. planning div., Gen. Elec. Co., Mass., 41-47; asst. prof. GOVT. & ECON., SUFFOLK, 47-50, assoc. prof., 51-58, PROF., 59-. CHMN. DEPT., 51-. Mem., U.S. Supreme Court Bar. Sig.C., U.S.A., 17-19. Polit. Sci. Assn; Acad. Polit. Sci.; Fed. Bar Assn. American constitutional government; constitutional law; government regulation of industry; political theory. Address: Dept. of Government & Economics, Suffolk University, Boston, Mass. 02114.
- STOLPER, PROF. WOLFGANG F (REDERICK), b. Vienna, Austria, May 13, 12; m. c. 2. ECONOMICS. Berlin, 30-31; Bonn, 31-33; Zurich, 33-34; Holtzner fel., Harvard, 34-35; A.M., 35, Ph.D., 38. Instr. & tutor ECON., Harvard, 36-41; asst. prof., Swarthmore Col., 41-48, assoc. prof., 48-49; MICHIGAN, 49-54, PROF., 54-. Lectr., cmn. exten. courses, State Dept. Ed., Mass., 40-41; Guggenheim fel., 47-48; lectr., Heidelberg, 48, Fulbright prof., 66; assoc. center int. studies, Mass. Inst. Tech., 55-56, 58-59; center int. affairs, Harvard, 62-63. U.S. Mil. Govt. res. assoc., Nat. Bur. Econ. Res., 48-; res. analyst, U.S. Strategic Bombing Serv.; adv. & head planning unit, Govt. Nigeria. Consult., U.S. Agency Int. Develop., 64-; Int. Bank Reconstruct. & Develop., 67-. Econ. Assn; Economet. Soc. International trade theory; economic development. Publ: Co-auth., Protection and real wages; auth., The structure of the East German economy; Planning without facts, Harvard, 66. Address: Dept. of Economics, University of Michigan, Ann Arbor, Mich. 48104.
- STOLTENBERG, DEAN CARL H (ENRY), b. Monterey, Calif., May 17, 24; m. 49; c. 5. FOREST ECONOMICS. B.S., California, 48, M.F., 49; Ph.D. (agr. econ.), Minnesota, 52. Instr. forestry, Minnesota, 49-51; asst. prof. forest econ, sch. forestry, Duke, 51-56; chief div. forest econ. res., northeast forest exp. sta., U.S. Forest Serv., 56-60; prof. forestry & head dept., Iowa State, 60-67; PROF. FORESTRY & DEAN SCH. FORESTRY, OREGON STATE, 67-. U.S.A., 43-45. Econ. Assn; Soc. Am. Foresters. Forest management. Publ: Rural zoning in Minnesota, Land Econ; Investment opportunity approach to forestry programming, J. Forestry; Economics of white pine blister rust control in the lake states, U.S. Forest Serv. Pub. Address: School of Forestry, Oregon State University, Corvallis, Ore. 97331.
- STOLTMAN, DR. JAMES B, b. Minneapolis, Minn., Feb. 6, 35; m. 60; c. 3. ANTHROPOLOGY. B.A., Minnesota, 57, M.A., 62; Ph.D. (anthrop.), Harvard, 67. Instr. ANTHROP., Tulane, 65-66; ASST. PROF., WISCONSIN, MADISON, 66-. U.S.N., 57-60, Lt. (jg). Soc. Am. Archaeol. North American prehistoric archaeology. Publ: Co-auth., An outline of Southeastern United States prehistory with particular emphasis on the Paleo-Indian Era, In: The Quaternary of the United States, Princeton, 65. Address: Dept. of Anthropology, University of Wisconsin, Madison, Wis. 53706.
- STOLTZ, DR. MERTON P (HILIP), b. Glidden, Wis., Mar. 28, 13; m. 39; c. 2. ECONOMIC STATISTICS. B.B.A., Minnesota, 34, Ph.D., 41; A.M. Brown, 36. Asst. prof. ECON., BROWN, 40-45, assoc. prof., 45-50, PROF., 50-. PRO-VOST, 66-. econ. dean grad. sch., 60-64, dean univ., 64-66. Econ. Assn; Statist. Assn; Economet. Soc. Mathematical economics; statistical methods; industry studies. Address: Brown University, Providence, R.I. 02912.
- STOLUROW, DR. LAWRENCE M (ARMER), b. St. Paul, Minn., Aug. 3, 18. PSYCHOLOGY. A.B., Minnesota, 40; M.A., Cornell, 46; fel., Pittsburgh, 46-47, Ph.D. (psychol.), 47. Instr. psychol., Pittsburgh, 47-48, asst. prof., 48-50, assoc. prof., 51, consult., inst. aviation, 50; res. assoc., Illinois, Urbana, 51-52, res. assoc. prof., 51-55, lectr., 55-56, prof., univ. & inst. res. except. children, 57-59, prof. psychol. & ed. psychol., univ., 59-63, dir. training res. lab., 63-67; DIR. COMPUT. AIDED INSTR. LABS, HARVARD, 67-. Fulbright lectr.; lectr., Am. Psychol. Assn; S. Africa; Italy; Berlin; Glasgow; instr., Sweden & Finland. Expert, U.S. Dept. Air Force, 48-51, chief training mat. & requirements br., Chanute Air Force Base, Ill., 55-57. Consult., Am. Inst. Res., 50-51; Southwest Res. Inst., 52; HUMRRO, 59-; various schs. Mem. Cmt. Econ. Develop., 67-68. U.S.A.A.F., 42-46. AAAS; fel. Psychol. Assn; Psychonomic Soc; Asn. Comput. Mach; Int. Asn. Appl. Psychol. Human learning and problem solving; programmed automated instruction; task engineering. Publ: Readings in learning, Prentice-Hall; Teaching by machine, Coop. Res. Monogr. 6, D.C., 61; Programmed instruction and teaching machines, The New Media & Ed., 66. Address: 110 Pleasant St., Lexington, Mass. 02173.

STOLZ, PROF. LOIS MEEK, b. Washington, D.C., Oct. 19, 91; m. 38; c. 1. PSYCHOLOGY. A.B., George Washington, 21; A.M., Columbia, 22, fel. 22-23, Grace Dodge fel. & Ph.D.(child psychol), 25. Demonstration teacher & superv. 17-21; asst. ed. teachers col., Columbia, 22-23; ed. secy., Am. Assn. Univ. Women, 24-29; assoc. prof. ed. teachers col. & assoc. dir. child develop. inst., Columbia, 29-30; prof., 30-40; dir., 30-37, chmn. div. individual develop. & guid., 38-39; res. assoc. inst. child welfare, California, 40-43; lectr. PSYCHOL., STANFORD, 43-45, prof., 47-57, EMER. PROF., 57- Prof. San Francisco State Col., 41-42; coordinator, State Care of Children in War-time, Calif., 42; dir. child serv. centers, Kaiser Co., Inc., 43-45; U.S. Pub. Health Serv. res. proj. grant, 49-53; Nat. Insts. Health res. proj. grant, 57-With Off. Indian Affairs, 47. Res. consult, Palo Alto Unified Sch. Dist., 65-68. AAAS; fel. Psychol. Asn.(award, 67); fel. Soc. Res. Child Develop. Child development and guidance. Publ: Co-auth, Somatid development of adolescent boys; Father relations of war-born children; auth, Influences on parent behavior, Stanford, 67. Address: 80 Golden Oak Dr, Portola Valley, Calif. 94026.

STONE, DR. ADOLF, b. Bodschtwingen, Germany, Mar. 30, 10; nat; m. 38; c. 2. GEOGRAPHY. B.A., Univ. Königsberg, 30; Ph.D., Basel, 35. PROF. GEOG., LONG BEACH CITY COL., 46- Consult, Grollier Soc. U.S.A., 44-45. Asn. Am. Geog. Geopolitics; California geography. Publ: Ed, California almanac, 55-66; auth, Geography of Berlin, J. Geog; South Africa's Bantu. Address: 3715 Olive Ave, Long Beach, Calif. 90807.

STONE, DR. ANTHONY R(OBERT), b. Providence, R.I., Aug. 27, 18; m. 42; c. 2. SOCIAL WORK, SOCIOLOGY. Ph.B., Providence Col., 40; M.S.S.W., Boston Col., 42; cert. Pittsburgh, 49; Ph.D.(sociol, anthrop), American Univ., 63. Psychiat. soc. worker, ment. hyg. clin. Vet. Admin., R.I., 46-48; instr. PSYCHIAT. SCH. MED. HOPKINS, 49-61, asst. prof., 61-67, ASSOC. PROF., 67- Consult, Vet. Admin. Regional Off. & Tuberc. Hosp., 59-; ment. health & community psychiat. prog., Md. Depts. Health & Hyg., 62-; Patuxent Inst., Jessup, Md., 63- Adj.Gen.C., 42-46, 1st Lt. Nat. Asn. Soc. Workers; Sociol. Asn; Orthopsychiat. Asn; Asn. Marriage Counsr. Psychotherapy, especially reference group values of patients and therapists and how these influence psychotherapy process and outcome. Publ: Essence of primary group relationship as seen in group psychotherapy, Soc. Work, 4/59; Inter-parental concordance and severity of children's psychiatric conditions, J. Marriage & Family, 11/66; co-auth, Role of non-specific factors in short-term psychotherapy, Australian J. Psychol., 66. Address: 614 College Ave, Luther-ville, Md. 21093.

STONE, CAROL L(ARSON), Sociol, see 10th ed, Soc. & Behav. Vols.

STONE, DR. CLARENCE NATHAN, b. Chester, S.C., Mar. 9, 35; m. 58; c. 2. POLITICAL SCIENCE. A.B., South Carolina, 57; James B. Duke fel, Duke, 57-60, M.A., 60, Ph.D.(polit. sci.), 63. Instr. POLIT. SCI., Nevada Southern, 60-62; Westminster Col., 62-63; ASST. PROF. EMORY, 63- Am. Polit. Sci. Asn. Congressional fel, 66-67. Polit. Sci. Asn. The political process especially American politics and urban affairs. Publ: Local referendums: an alternative to the alienated-voter model, Pub. Opinion Quart, summer 65; Issue cleavage between Democrats and Republicans in the United States House of Representatives, J. Pub. Law, 66; Congressional party differences in civil-liberties and criminal-procedure issues, Southwest. Soc. Sci. Quart, 9/66. Address: Dept. of Political Science, Emory University, Atlanta, Ga. 30322.

STONE, PROF. DAVID R, b. Teton, Idaho, June 2, 20; m. 43; c. 6. EDUCATIONAL PSYCHOLOGY. B.A. & M.A., Utah, 43; Ph.D.(ed), Chicago, 46. PROF. ED. PSYCHOL., UTAH STATE, 46- Psychol. Asn. Reading; learning. Address: 545 E. Fifth St. North, Logan, Utah 84321.

STONE, DEAN DONALD C(RAWFORD), b. Cleveland, Ohio, June 17, 03. PUBLIC ADMINISTRATION. A.B., Colgate, 25; M.S., Syracuse, 26; Columbia, 28-30; LL.D., George Williams Col., 53, Colgate, 60. Mem. staff, Bur. Govt. Res., Ohio, 27-28; asst. dir. cmt. uniform crime records, Int. Asn. Chiefs of Police, 28-30; dir. res. Int. City Mgr. Asn., 30-33; exec. dir., Pub. Admin. Serv., 33-39, asst. dir., U.S. Bur. Budget, 39-48; dir. admin., Econ. Coop. Admin. & Mutual Security Agency, 48-53; pres., Springfield Col., 53-57; DEAN GRAD. SCH. PUB. & INT. AFFAIRS, PITTSBURGH, 57- Res. assoc., Chicago, 30-33; lectr., Syracuse, 35-42; spec. asst. to adminstr., Works Proj. Admin., 35; adj. prof., American Univ., 43-53; mem. staff, Inst. Pub. Admin. Consult., Orgn. Am. States; NASA; For. Opers. Agency; Defense Security Panel; Tenn. Valley Authority; Soc. Security Bd. Dir., Nat. Cmt. Munic. Standards, 30-33; mem., U.S. Cmn., UNESCO, 46-50; U.S. del. UN, 45-48; cmt. admin. & budgeting affairs, UN Gen. Assembly; cmm. ed. & int. affairs, Am. Coun. Ed., 55-61; res. adv. bd., Cmt. Econ. Develop., 66-; chmn. adv. bd. improvement mgt. in govt. Soc. Pub. Admin.(pres, 50); Polit. Sci. Asn.(v-pres, 49); Nat. Acad. Pub. Admin; Int. City Mgr. Asn; Int. Inst. Admin. Sci. Management of municipal public works; government executives; national organization for economic and social development. Address: 4200 Centre Ave, Pittsburgh, Pa. 15213.

STONE, DR. DORIS, b. New Orleans, La., Nov. 19, 09; m. 30; c. 2. ANTHROPOLOGY. B.A., Radcliffe Col., 30; LL.D., Tulane, 57. ASSOC. ARCHAEOLOG., M.E.A. RES. INST., TULANE, 30-; RES. ASSOC. CENT. AM. ARCHAEOLOG., PEABODY MUS., HARVARD, 42- Dir. Indian ed. Costa Rican Govt., 45-66. Fel. Anthropol. Asn; fel. Geog. Soc; Archaeol. Soc Am; Inst. Andean Studies. Archaeology, ethnology and linguistics of Central America; archaeology of the north coast of Honduras; South American Indians. Publ: Boruca of Costa Rica. Address: P.O. Box 295, Madisonville, La. 70447.

STONE, EDMUND CYRIL, b. New York, N.Y., Feb. 3, 15; m. 44; c. 2. CLINICAL PSYCHOLOGY. B.A., California, 50; M.A., Mills Col., 51; Stanford, 53-54. Chief psychologist, San Leandro Unified Schs., Calif., 51-67; CHIEF PSYCHOL. SERV., PERMANENTE MED. GROUP, HAYWARD, 67- Summers, instr., San Francisco State Col., 52-54, 58-59, & asst. prof., New Mexico Highlands, 60 & Fresno State Col., 61, Dir. Nat. Ment. Health res. grant, State Ment. Authority, Calif., 58-59. Del. White House Conf. Children & Youth, 60. Sig.C., 42-46, Sgt. Psychol. Asn; Personnel & Guid. Asn. Psychotherapy with children, adolescents and adults; identification and treatment of pre-phobic

school children; parent education in a private outpatient medical clinic; evaluation of the blind, gifted and school phobic children. Publ: Group psychiatric consultation with public school personnel, J. Personnel & Guid. Address: 1359 Sandelin Court, San Leandro, Calif. 94577.

STONE, EDWARD, b. New York, N.Y., May 25, 07. ECONOMICS, LAW. A.B., Columbia, 25, LL.B., 27, A.M., 31; LL.M., N.Y. Univ., 53. Invest. counsr., Moody's Investors Serv., 29-33; economist, Am. Bankers Asn., 33-35; chief real property control, Farm Security Admin., 35-41; chief rent regulation, Off. Price Admin., 41-42; dir. indust. opers., Nat. Asn. Mfrs., 45-49; attorney & bus. consult., 49-54; chief economist & dir. new bus. planning & acquisitions, Glenn L. Martin Co., 55-59; chief economist & mgr. corp. planning, Repub. Aviation Corp., 59-65; PRES., LONG-RANGE PLANNERS, INC., 65- Mem. faculties, Columbia, Rutgers, Hopkins & Am. Bankers Asn. Grad. Sch. Banking. President's adv. on rural housing to adminstr., U.S. Housing Admin., 38-42 & on defense housing to Pub. Works Admin., 41-42; mem., President's Defense Housing Cmt., 41-42. Financial consult., Inst. Life Ins., 50-54; Int. Law Consults., 61-; sr. partner, Stone & Moore, 65-68. C.Eng., U.S.A., 41-45, Maj. Econ. Asn; Nat. Asn. Bus. Econ. Publ: Anti-depression legislation; Contemporary legislative and banking problems; Current economic problems; plus others. Address: 160 Riverside Dr, New York, N.Y. 10024.

STONE, DR. F(RED) BETH, b. Birmingham, Ala., Jan. 8, 30. PSYCHOLOGY. B.A., Birmingham-South. Col., 50; M.A., Vanderbilt, 52; Ph.D.(psychol), Washington (St. Louis), 61. Asst. exp. psychol., HumRRO, George Washington, 52-54; teacher & guid. counsr., Fairfield Bd. Ed., Ala., 54-56; trainee clin. psychol., U.S. Pub. Health Serv., 56-59; psychol. asst. psychiatrist, Iowa, 59-61, instr., 61-64, asst. prof. clin. psychol., 64-67; SCH. PSYCHOLOGIST, DES MOINES PUB. SCHS., 68- Psychol. Asn; Soc. Res. Child Develop; Orthopsychiat. Asn. Psychopathology; psychodiagnostic techniques. Publ: Co-auth, Short forms of the WISC for use with emotionally disturbed children, J. Clin. Psychol. & Educational disability in emotionally disturbed children, Except. Children, 64 & In: Readings in educational psychology, Wiley, 68. Address: Dept. Pupil Personnel, Des Moines Public Schools, 1800 Grand Ave, Des Moines, Iowa 50307.

STONE, DR. GEORGE C(HESTER), b. Los Angeles, Calif., Feb. 21, 24; m. 46; c. 4. EXPERIMENTAL PSYCHOLOGY. A.B., California, 48, M.A., 51, Rosenberg fel, 51-52, Ph.D.(psychol), 54. Res. assoc. ed. psychol., bur. ed. res., Illinois, 53-55; psychopharmacologist, G.D. Searle & Co., 55-58; RES. PSYCHOLOGIST, LANGLEY PORTER NEUROPSYCHIAT. INST., 58-; ASSOC. PROF. MED. PSYCHOL. IN RES., CALIFORNIA, SAN FRANCISCO, 65-; lectr., 58-60, asst. clin. prof., 60-65. AAAS; Behav. Pharmacol. Soc; Psychol. Asn; Soc. Psychol. Study Social Issues. Human information processing; development of intellectual function; operant conditioning. Publ: Attainment of color, form and size concepts by Rhesus monkeys, J. Comp. & Physiol. Psychol., 61; Supplementary use of programmed instruction in a course in parasitology, J. Med. Ed., 66; co-auth, Longitudinal measurement of cognitive functioning in mental patients, Arch. Gen. Psychiat., 68. Address: Dept. of Psychiatry, University of California School of Medicine, San Francisco, Calif. 94122.

STONE, PROF. GEORGE PRESTON, b. Cass City, Mich., Nov. 8, 09; m. 35; c. 2. EDUCATIONAL PSYCHOLOGY & MEASUREMENT. B.A., Andrews, 37; M.A., Nebraska, Lincoln, 46, Ed.D.(ed. psychol. & measurement), 65. Supvr., Union Col.(Nebr.), 38-42; elem. supt., South. New Eng. Conf., Mass., 42-48; supt., high sch., Minn., 48-52; minister, Iowa Conf. Seventh-day Adventists, 52-56, elem. supt., 56-60; asst. prof. ED. PSYCHOL., UNION COL. (NEBR.), 60-64, assoc. prof., 64-65, PROF. & CHMN. DEPT., 65- Nat. Soc. Col. Teachers Ed; Nat. Soc. Study Ed; Psychol. Asn. Human growth and development; mental retardation; counseling of non-achievers with ability; individual testing. Publ: The prevalence of mental retardation in Nebraska, Div. Instructional Serv., State Nebr. Bull., 64. Address: Dept. of Educational Psychology, Union College, Lincoln, Nebr. 68506.

STONE, DR. G(IDEON) BART, b. Carverton, Pa., Nov. 17, 20; m. 44; c. 1. PSYCHOLOGY, PHYSIOLOGY. B.A., Syracuse, 42; Ph.D.(psychol), Southern California, 50. Freshman consult. psychol., Syracuse Univ., 41-42; voc. adv. voc. rehab., Vet. Admin., Md., 46, psychol. trainee, 46-50, asst. chief clin. psychol., 50-54, chief clin. psychol. serv., 54-57, dir. psychol. serv., 57-68; CHIEF SMALL GRANTS SECT., DIV. EXTRAMURAL RES., NAT. INST. MENT. HEALTH, 68- U.S.A.A.F., 42-46, Sgt. Psychol. Asn. Psychosocial treatment programs. Publ: A study of parent child relationships in patients with peptic ulcer and bronchial asthma, Univ. Southern California, 50; co-auth, The use of demographic characteristics in predicting length of neuropsychiatric hospital stay, J. Consult. Psychol., Vol. 23, No. 1, 59 & Relative effectiveness of psychotherapeutic programs: a multicriteria comparison of four programs for three different patient groups, Psychol. Monogr., Gen. & Appl., Vol. 74, No. 492, 60. Address: Small Grants Section, Division of Extramural Research, National Institute of Mental Health, Barlow Bldg, 5454 Wisconsin Ave, Chevy Chase, Md. 20203.

STONE, DR. GLADYS I, b. Modesto, Calif., Feb. 17, 23; m. 62; c. 2. SOCIOLOGY. B.S.B.A., Washington (St. Louis), 44; M.A., Chicago, 46; Univ. Michigan traveling fel., Japan, 52-53; Ph.D.(Japanese-Am. renunciants), Michigan, 56. Res. assoc. world govt. cmt. to frame world constitution, Univ. Chicago, 47-49; asst. dir. world prog., Chicago Off., Am. Friends Serv. Cmt., 55-57; from asst. prof. to assoc. prof. sociol. & polit. sci., Wis. State, Stevens Point, 57-62; asst. res. sociologist, California, 62-65; 65; ASSOC. PROF. SOCIOLOG., AUGSBURG COL., 65-66; WIS. STATE, RIVER FALLS, 66- Participant, proj. soc. sci. summer inst., Univ. Minnesota, 66. Sociol. Asn; Soc. Study Social Probs. Race or ethnic relations, especially variables of assimilation and acculturation. Address: 2505 Silver Lane, St. Anthony Village, Minn. 55421.

STONE, DR. GREGORY PRENTICE, b. Olean, N.Y., Oct. 28, 21; m. 44; c. 2. SOCIAL PSYCHOLOGY. B.A., Hobart Col., 43; Princeton, 43-44; M.A., Chicago, 53, Ph.D., 59. Instr. SOCIOLOG., Illinois, 47-49; asst. prof., Mich. State, 49-55; instr., Minnesota, 55-58; vis. prof., Missouri, 58-59; asst. prof., Washington (St. Louis), 59-61; assoc. prof., MINNESOTA, MINNEAPOLIS, 61-63, PROF., 63- Consult., 49-; U.S. rep., int. cmt. sociol. of sport,

- UNESCO-Int. Sociol. Asn, 64- U.S.A., 43-45. AAAS; fel. Sociol. Asn; Soc. Study Social Probs. Social stratification; urban sociology; socialization; medical sociology; mental health; sociological theory. Publ: Appearance and the self, In: Human behavior and social process; American sports: play and display, In: Mass leisure; Begriffliche Probleme in der Kleingruppenforschung, Kölner Zeitschrift für Soziologie und Sozialpsychologie, 66. Address: Dept. of Sociology, University of Minnesota, Minneapolis, Minn. 55455.
- STONE, DR. HAROLD, b. Detroit, Mich, Dec. 14, 27; m. 51; c. 2. PSYCHOLOGY. Ph.D.(psychol), California, Los Angeles, 53. Clin. psychologist, U.S. Dept. Army, 53-57; private practice, 57- Psychol. Asn. Analytical psychology. Address: 1334 Westwood Blvd, Suite 15, Los Angeles, Calif. 90024.
- STONE, DR. HERBERT K(ETH), b. Brooklyn, N.Y., Apr. 23, 30; m. 52; c. 3. PSYCHOLOGY. A.B. Buffalo, 51; fel. Adelphi Col, 53-54, Ph.D.(psychol), 55; fel. Illinois, 54-55. Staff clin. psychologist, Southeast La. Hosp, 55-59; dir. res. Atlanta Psychiat. Clin, 59-61; private practice, 59- Pres. Ga. State Bd. Exam. Psychol, 63-66. Dipl. Am. Bd. Exam. Prfl. Psychol. U.S.M.C., 48-49. Psychol. Asn. Psychotherapy; personality theory. Publ: Psychotherapy with schizophrenics; Training of psychotherapists. Address: 2905 Peachtree Rd. N.E., Atlanta, Ga. 30305.
- STONE, DR. HERBERT L(EONARD), b. Chicago, Ill, Jan. 17, 29; m. 50; c. 2. OPERATIONS RESEARCH, STATISTICS. B.S. California, Los Angeles, 50, Ford Found. faculty fel, 60; M.S. Arizona State, 58; D.B.A. Southern California, 65. Cert. pub. acct. Arthur Young & Co, 50-56; asst. prof. statist. & acct. CALIF. STATE COL. LONG BEACH, 58-60, assoc. prof. 61-65, PROF. OPERS. RES. & STATIST, 65-, CHMN. DEPT, 61- Private practice, 56-; Southern California Res. Inst. Bus. & Econ. res. grant, 65; v-pres, Venture Res. Corp, 67- Inst. Cert. Pub. Acct. Decision theory; dynamic programming; optimization techniques in estate planning; random character of stock and commodity prices; optimal strategies in speculation. Address: Dept. of Operations Research & Statistics, California State College at Long Beach, Long Beach, Calif. 90804.
- STONE, IRVING R(ODNEY), b. New York, N.Y., Mar. 29, 08; m. 54; c. 4. PSYCHOLOGY. B.S. N.Y. Univ, 30, M.A., 33. Guid. counsr. & psychologist, Tilden High Sch, Brooklyn, N.Y., 33-38; admin. cumulative record prog, City Bd. Ed, New York, 38-40; dir. guid. & psychologist, Young Men & Women Hebrew Assns, Washington Heights, N.Y., 40-41; asst. prof. psychol, Florida, 46-47; lectr, Western Reserve, 47-48; chief clin. psychologist, State Ment. Hyg. Clin, San Diego, 48-67; CHIEF PSYCHOL, FAIRVIEW STATE HOSP, CALIF, 67- Psychologist, Jewish Voc. Serv, Cleveland, Ohio, 47-48; private practice, 49-; lectr, California Western, 50-52; San Diego City Col, 52-55; exten. div. California, Irvine, 68. U.S.N., 41-46, Res. 46-, Comdr. Psychol. Asn; Soc. Proj. Tech; Asn. Ment. Deficiency. Psychotherapy; mental testing and evaluation; mental deficiency; juvenile delinquency prevention; behavior modification of mentally retarded. Publ: Co-auth, High school norms for the mirror drawing test of the six pointed star, J. Genetic Psychol, Consistency of response to personality inventory items as a function of length of interval between test and retest & New method of finding the intelligence quotient on Otho Self-Administering Tests, Higher Examination, J. Soc. Psychol. Address: Fairview State Hospital, Costa Mesa, Calif. 92626.
- STONE, DR. JEREMY J, b. New York, N.Y., Nov. 23, 35; m. 57. MATHEMATICS, POLITICAL SCIENCE. B.A. Swarthmore Col, 57; Soc. Sci. Res. Coun. fel, Stanford, 57-58; Nat. Sci. Found. fcls, 58-60, Ph.D.(math), 61. Res. mathematician, Stanford Res. Inst, 60-62; staff mem, Nat. Security & Arms Control, Hudson Inst, 62-64; res. assoc, center int. affairs, Harvard, 64-66; asst. prof. math. & lectr. govt, Pomona Col, 66-68; SOC. SCI. RES. COUN. FEL, STANFORD, 68- Publ: Containing the arms race: some specific proposals, Mass. Inst. Tech, 66; Strategic persuasion: arms limitations through dialogue, Columbia Univ, 67. Address: Dept. of Economics, Stanford University, Stanford, Calif. 94305.
- STONE, PROF. JEROME W(ILSON), b. Cape Girardeau, Mo, Aug. 27, 16; m. 46; c. 2. PSYCHOLOGY, COUNSELING. A.B. Southeast Mo. State Col, 37; M.A. Arizona, 41; Ed.D. Southern California, 54. Teacher, high schs, Ariz, 41-46; instr. soc. sci, Gila Jr. Col, 47-50; prin, Ft. Hancock High Sch, Tex, 50-52; institutional counsr, vet. admin. guid. center, Southern California, 54; instr. ed, Long Beach State Col, 54-55; assoc. dean students, SOUTHWEST TEX. STATE COL, 55-58, assoc. prof. ed. & dir. counsr. training, 59-66, PROF. ED. & PSYCHOL. & DIR. COUNSR. ED, 66- Psychol. Asn; Personnel & Guid. Asn. History; evaluation of public school guidance programs; college personnel work. Publ: Co-auth, Handbook for head residents. Address: Director of Counselor Training, Southwest Texas State College, San Marcos, Tex. 78666.
- STONE, PROF. J(OHN) L(EON), Soc. Sci, see 10th ed, Soc. & Behav. Vols.
- STONE, DEAN JOICS B(AGLEY), b. Montpelier, Idaho, Mar. 3, 18; m. 43, 60; c. 11. PSYCHOLOGY. A.B. Brigham Young, 47; M.S. Utah, 50, Ph.D.(ed. psychol), 52. Asst. prof. personnel & guid, Brigham Young, 48-54; dir. div. Indust. psychol, Calif. Test Bur, 54-60; assoc. dean counseling & testing, CALIF. STATE POLYTECH. COL, 61-67, DEAN ACAD. PLANNING, 67- Consult, Cent. Utah Voc. Sch, 48-49; Columbia-Geneva Steel, 49-54. U.S.A., 43-46. Psychol. Asn. Higher education theory and practice; projective techniques; human relations in industry. Publ: Industrial norming project, Calif. Test Bur, 60; Structural-objective Rorschach test, 67 & Exec test-revised, 67, S-O Pub. Address: 1919 Wilding Lane, San Luis Obispo, Calif. 93401.
- STONE, PROF. KIRK H(ASKIN), b. Bay Village, Ohio, Apr. 27, 14; m. 36; c. 1. GEOGRAPHY. A.B. Michigan, 35, fel, 37-38, Ph.D., 48; M.A. Syracuse, 35. Asst. prof, Toledo, 38-42; geogr. Off. Strategic Serv, D.C., 42-46; bur. land mgt, U.S. Dept. Interior, 46; PROF. GEOG, Wisconsin, 47-65; GEORGIA, 65- Soc. Sci. Res. Coun. fel, Alaska, 48; Fulbright fel, Norway, 55-56. Consult, U.S. Dept. Interior, 48-52; U.S. Bur. Census, 49, 59; U.S. Dept. Defense, 50-55; Lincoln Lab, Mass. Inst. Tech, 52- U.S.N., 42-45. Asn.
- Am. Geog.(award, 65); Pop. Asn; Arctic Inst. N.Am; Am. Geog. Soc. World fringes of settlement; rural settling; remote sensing; northern lands. Publ: Alaskan group settlement, the Matanuska Valley Colony; Finnish fringes of settlement, Tijdschrift voor Economische en Sociale Geografie; High latitude fringes of settlement, Am. Geog. Soc. Address: Dept. of Geography, University of Georgia, Athens, Ga. 30601.
- STONE, PROF. L(AWRENCE) JOSEPH, b. Washington, D.C., May 20, 12; m. 33; c. 3. PSYCHOLOGY. A.B. Cornell, 33; A.M. Columbia, 34, Ph.D. (psychol), 37. Res. assoc, Sarah Lawrence Col, 37-39; res. ed. child study, VASSAR COL, 39-41, asst. prof, child study, 41-47, assoc. prof, 47-49, prof, 49-65, acting chmn. dept, 53-55, chmn, 55-61, PROF. PSYCHOL. & CHMN. DEPT, 66-, DIR. FILM PROG, 40- Instr, Brooklyn Col, 38-39; City Col. New York, 40-42; lectr, New Sch. Soc. Res, 44-56; Fulbright res. scholar, Oslo, 57-58; Nat. Inst. Ment. Health spec. fel, 65-66. Consult, ed, Random House & Atherton Press. Mem. cmt. res. career awards, Nat. Inst. Ment. Health, 62-64. Dipl. Am. Bd. Exam. Prfl. Psychol. U.S.P.H.S., 44-46, Res. 46-, Capt. Fel. Psychol. Asn; fel. Soc. Res. Child Develop; fel. Soc. Proj. Tech. & Personality Assessment; fel. Orthopsychiat. Asn. Cutaneous sensitivity, intergroup relations; personality development in children. Publ: Co-auth, Childhood and adolescence: a psychology of the growing person, 2nd ed, 68. Address: Dept. of Psychology, Vassar College, Poughkeepsie, N.Y. 12601.
- STONE, PROF. LEO D, b. Delaware, Ohio, May 12, 14; m. 40; c. 2. FINANCE, ACCOUNTING. B.A. Ohio Wesleyan, 34; LL.B. Ohio State, 39, J.D. 50. Instr. acct. & finance, Ohio Wesleyan, 35-39; asst. v-pres, First Nat. Bank Cincinnati, 46-48; instr. bus. law, Ohio State, 48-50, asst. prof, 50-52; tax consult, Lybrand Ross Bros. & Montgomery, N.Y., 52-53; assoc. prof, acct, OHIO STATE, 55-56, BUS. ORGN. & FINANCE, 56-63, PROF, 63- Consult, Dept. Commerce & Attorney Gen, Ohio, 63; Franklin Fire & Casualty Co, Attorney Gen. & the dir, Ohio Securities Div, 67- Summer consult, U.S. Army Audit Agency, 57 & 58, Broad St. Securities Co, Ohio, 65 & Inst. Chartered Financial Analysts, Va, 65-67. U.S.A., 41-46; Maj. Inst. Chartered Financial Anal; Finance Asn; Real Estate Asn. Real estate finance; federal income tax; security analysis. Publ: Co-auth, Federal income tax fundamentals, 61, 2nd ed, 66 & 3rd ed, 68, Wadsworth; co-auth, Real estate finance, 2nd ed, 61 & 3rd ed, 65, Irwin; auth, Real estate investment trusts: their experience and their prospects, Bur. Bus. Res. Bull, 1/66. Address: 1466 Teeway Dr, Columbus, Ohio 43212.
- STONE, DR. LEROY A(LLEN), b. San Francisco, Calif, Sept. 13, 31; m. 57. COUNSELING, PSYCHOLOGY. A.B. San Jose State Col, 53, M.A., 54; Ph.D., North Dakota, 62. Clin. psychologist, Mont. State Hosp, 57-59; counsr, counseling center, North Dakota, 60-61, instr. gen. & exp. psychol, 61-62; asst. prof. psychol. & asst. dir. counseling center, Kansas State, 62-64; chief res. psychologist, Ment. Health Res. Inst, Wash, 64-65; asst. prof. PSYCHOL, NORTH DAKOTA, 65-66, ASSOC. PROF, 66- Nat. Inst. Ment. Health spec. res. fel, 66-68, Consult, N.Dak. State Hosp, 65-66. U.S.A., 55-56. Psychol. Asn; Statist. Asn; Psychomet. Soc; Psychonomic Soc. Psychophysics and psychological scaling; clinical psychophysics; statistical methods in psychology. Publ: Co-auth, Unequal equal intervals: a paradox in the measurement of intelligence, Psychol. Reports, 65; auth, Psychiatrists' prognostic judgments regarding functional psychotic disorders: a prognostic scale, Behav. Sci, 66; Illusory motion, Am. J. Psychol, 67. Address: Dept. of Psychology, University of North Dakota, Grand Forks, N.Dak. 58201.
- STONE, DR. LEROY O(WEN), b. Montego Bay, Jamaica, Oct. 24, 36; m. 60. SOCIOLOGY, DEMOGRAPHY. A.B. Howard, 60; univ. fel, Pennsylvania, 60-61, Pop. Coun. fel, 61-64, Ph.D.(sociol), 64. Statistician D.M. BUR. STATIST. CAN, 64-66, CONSULT. DEMOG. RES, 66- Asst. prof, Western Ontario, 66- Consult, Children's Psychiat. Res. Inst, London, Can, 66- Pop. Asn. Am; Sociol. Asn; Regional Sci. Asn; Can. Sociol. & Anthropol. Asn; Int. Union Sci. Study Pop. Urban growth and urbanization; demographic and economic characteristics of urban communities; estimation and analysis of migration rates; impact of migration on population composition; mathematical models of mobility. Publ: Urban development in Canada, Queen's Printer, 67; Population redistribution and economic development in Puerto Rico, Soc. & Econ. Studies, Vol. 14, No. 3; Evaluating the accuracy of net migration estimates, Demography, Vol. IV, No. 1. Address: Dominion Bureau of Statistics, Ottawa, Ont, Can.
- STONE, DEAN L(EWIS) GORDON, b. U.S., Aug. 19, 06; m. 30; c. 5. EDUCATIONAL PSYCHOLOGY. B.A. N.Dak. State Teachers Col.(Valley City), 31; M.A. Northwestern, 36; fel, N.Y. Univ, 38-40, Ph.D., 41. Teacher, pub. schs, N.Dak. & Ill, 28-36; instr, Ill. State Norm. Univ, 36-38, 42; prof. psychol, Green Mt. Jr. Col, 42-43; dir. teacher ed, Winona State Col, 43-46; PROF. PSYCHOL, WIS. STATE, RIVER FALLS, 46-, DEAN SCH. ED. & DIR. SUMMER SESSION, 50- Psychol. Asn. Psychology of the reading process; emotional problems of college students. Publ: Co-auth, Improving teacher education; auth, Reading reactions for varied types of subject matter & Student problems in a teachers college, J. Ed. Psychol. Address: 214 Park, River Falls, Wis. 54022.
- STONE, DR. LOUIS, b. New York, N.Y., Sept. 11, 20; m. 52; c. 1. PSYCHOLOGY. A.B. California, Los Angeles, 44, M.A., 53, Ph.D.(psychol), 58. Dep. probtn. officer, Los Angeles County Probtn. Dept, 46-47; asst. for student adv, California, Los Angeles, 50-54, res. psychologist, 52-53, trainer & group leader, West. Training Lab. Group Develop, 53; trainee clin. psychol, Vet. Admin. 54-57; private practice, 57- Staff psychologist, Gateway Hosp, Los Angeles, Calif, 57-59. Consult, child guid. clin, Hollywood Presby. Hosp, 60- U.S.A., 43-46, Sgt. Psychol. Asn. Psychology of communication processes; small groups; criminal behavior; psychotherapy; contextual cues of adolescence. Publ: Co-auth, No Frontier to learning; auth, Contextual cues in visual communication. Address: 405 N. Bedford Dr, Beverly Hills, Calif. 90210.
- STONE, MAYER BARUCH, b. Belfast, N.Ireland, Feb. 18, 95; nat. CLINICAL PSYCHOLOGY, SOCIOLOGY. A.B. Little Rock Col, 22, A.M., 23; American Univ, 29-31; M.A. Hopkins, 35. Clin. psychol. intern. & researcher, St. Elizabeth's Hosp, D.C., 29-35; private practice, 36-57; sr. mem. staff clin.

psychol, State Sch. & Hosp, Selingsgrove, Pa, 58-63; acting dir. psychol. dept, WEST. STATE SCH. & HOSP, CANONSBURG, 63-68, DIR. PSYCHOL. RES, 68- Psychol. Asn. Psychogenetic basis of epilepsy; hypnosis in psychotherapy; psychotherapy; operant conditioning. Publ: Contrib. Textbook of abnormal psychology. Address: North Ave. Apt. A-7, Washington, Pa. 15301.

STONE, DR. N(AHUM) I(SAAC), Econ, see 10th ed, Soc. & Behav. Vols, deceased 66.

STONE, DR. PHILIP M, b. New York, N.Y., Aug. 23, 16; m. 43; c. 2. PSYCHOLOGY. B.A. Yale, 38, Ph.D.(psychol), 52; M.A. N.Y. Univ, 40. Psychologist, State Voc. Inst, N.Y., 42-44; dir. personnel testing, Sylvania Elec. Prod, Inc, 45-47; PSYCHOLOGIST, MANHASSET PUB. SCHS, N.Y., 47- Instr, City Col. New York, 47-49. Personnel technician, personnel res. sect, Adj. Gen. Off, U.S. War Dept, 44-45; chief psychologist, Psychol. Testing Bur, N.Y., 46-47; practicing psychologist, 47- Psychol. Asn; Group Psychother. Asn. Psychoanalysis; psychotherapy; group therapy. Address: 24 Sherwood Lane, Roslyn Heights, N.Y. 11577.

STONE, PRES. RICHARD G(ABRIEL), b. Baltimore, Md, Oct. 15, 03; m. 35; c. 1. ECONOMICS. A.B. West. Md. Col, 26, L.H.D, 51; Ph.D, Hopkins, 32. Acting prof, Wofford Col, 32-33; from assoc. prof. to prof. soc. sci. & hist, Converse Col, 33-42; PRES, ST. MARY'S JR. COL, 46- U.S.A., 43-46, Maj. Economic history. Publ: Ezekiah Niles as an economist; Philip Weaver. Address: St. Mary's Junior College, Raleigh, N.C. 27602.

STONE, PROF. ROBERT C(LARENCE), b. St. Louis, Mo, Oct. 18, 18; m. 42; c. 3. SOCIOLOGY. A.B. California, 40; M.A. Chicago, 46, Ph.D.(sociol), 49. Res. assoc. cmt. human develop, Chicago, 47-48; asst. prof. sociol, Stanford, 48-51; asst. prof. sociol. & res. assoc. urban life res. inst, Tulane, 51-58; PROF. sociol, Arizona, 58-63; SOC. WELFARE & SOCIOL, SAN FRANCISCO STATE COL, 63- U.S.A.A.F, 42-45, Capt. Social class and mobility; factor and community organization. Address: Dept. of Sociology, San Francisco State College, San Francisco, Calif. 94132.

STONE, DR. ROBERT E(LWIN), Bus. Admin, see 10th ed, Soc. & Behav. Vols.

STONE, PROF. URSULA, b. Faribault, Minn, June 26, 00. SOCIAL SCIENCE. A.B. Bryn Mawr Col, 22; Ph.D, Chicago, 29. Lectr. econ, George Williams Col, 39-49, assoc. prof, 49-51, prof, 51-65; RETIRED. Publ: Food buying and our markets; Chicago world trader. Address: 5445 S. Ingleside Ave, Chicago, Ill. 60615.

STONE, PROF. WALTER L(EROY), b. Santee, Nebr, June 13, 95. SOCIOLOGY. A.B. YMCA Grad. Sch, Tenn, 30; A.M. Vanderbilt, 31, Ph.D, 33. Prof. group work & community orgn, YMCA Grad. Sch, Tenn, 28-35; dir. res, Coun. Community Agencies, 36-46; res. consult, Vet. Admin, D.C, 46-48; prof. SOCIOL, HANOVER COL, 48-60, EMER. PROF, 60-; PRIVATE CONSULT, 60- Lectr, Scarritt Col. & George Peabody Col, 40-45; proj. dir, Ind. State Health Dept. grant, 61-63. Sociol. Asn. Recreation; social planning; sociometrics. Publ: Group leaders manual; Problems in social group work; History of development of boys work in the United States. Address: Box 257, Hanover, Ind. 47243.

STONE, WILFRID GERARD, b. Parry Sound, Ont, May 18, 11; m. 42; c. 2. GEOGRAPHY. B.A. Western Ontario, 48, M.Sc, 49. Teacher, rural schs, Ont, 34-38, elem. sch, 38-41; GEOG, Ft. William Collegiat Inst, 49-51; Weston Collegiate Inst, 51-53; Etobicoke Collegiate Inst, 53-54; MASTER, Toronto Teachers' Col, 54-59; LAKESHORE TEACHERS' COL, 59- R.C.A.F, 41-45. Can. Asn. Geog. Continental glaciation. Publ: Co-auth, Geographic fundamentals, McGraw, 63. Address: 3153 Constitution Blvd, Cooksville, Ont, Can.

STONE, DR. WILLIAM F(RANK), b. Camden, Maine, Dec. 29, 31; m. 62; c. 4. PSYCHOLOGY. B.A. Maine, 56; M.A. Florida, 61, Ph.D.(psychol), 63. Asst. prof. PSYCHOL, Wilson Col, 63-64; Lafayette Col, 64-66; MAINE, 66-68, ASSOC. PROF, 68- Nat. Sci. Found. summer res. participant, 65. Psychol. Asn; Soc. Psychol. Study Social Issues. Social psychology; experimental psychology—motivation, perception, social norms, attitudes and attitude change, social power and animal behavior. Publ: Co-auth, Laboratory observations of two subspecies of marmoset, Psychol. Reports, 13: 139-144 & A note on the sleep responses of young college adults, Perceptual & Motor Skills, 16: 162; auth, Autokinetic norms: an experimental analysis, J. Personality & Soc. Psychol, 1/67. Address: Dept. of Psychology, University of Maine, Orono, Maine 04473.

STONE, PROF. WILLIARD E(VERARD), b. Philadelphia, Pa, Aug. 28, 10; m. 34; c. 3. ACCOUNTING. B.A. Pa. State, 33; M.A. Pennsylvania, 50, Ph.D, 57. Auditor, U.S. Gen. Acct. Off, 43-47; asst. prof. acct, Pennsylvania, 47-56, assoc. prof, 56-60; PROF. ACCT. & CHMN. DEPT, FLORIDA, 60- Consult. ed, Chilton Co, 57-61; Holt, Rinehart & Winston, Inc, 61-; consult, U.S. Comptroller Gen, 63- Mem. bd. mgrs, Univ. Florida Press, 61- Am. Acct. Asn.(v.pres, 62-63). Auditing principles and standards; management auditing; intracompany pricing; managerial uses of accounting data. Publ: Co-auth, Accounting fundamentals. Address: Dept. of Accounting, College of Business Administration, University of Florida, Gainesville, Fla. 32601.

STONEBARGER, DR. DEWAYNE ALBERT, b. Lone Tree, Iowa, Apr. 10, 23; m. 47; c. 2. MANAGEMENT. B.A. Northern Iowa, 48; M.A. Iowa, 50, Ph.D. (mgt), 55. Instr. indust. mgt, Iowa, 53-55; asst. prof. mgt, Houston, 55-57, assoc. prof. & dir. mgt. develop. center, 57-60, prof. & dir. mgt, 60-67; PROF. BUS. ADMIN, INDIANA, 67- Mgt. ed. & develop. consult, 55- U.S.A.F, 43-45. Management theory; organizational theory; managerial behavior. Publ: State regulation of the right to strike, 56 & Effort toward excellence, 66, Houston; Southwest executive development program, Petrol. World, 58. Address: 3415 Rockwood Dr, Ft. Wayne, Ind. 46805.

STONEMAN, DR. ELVYN A(RTHUR), b. Lincoln, Nebr, Nov. 5, 19; m. 40; c. 3. GEOGRAPHY. B.S. Nebraska, 41, M.A., 43; Ph.D.(geog), Clark, 50. Instr.

geog, Univ. Kansas City, 47-48; Indiana, 48-51; MEM. STAFF PLANS & PROD, Army Map Serv, 51-60; OFF. GEOGR, U.S. DEPT. STATE, 60- U.S.A., 43-45. Asn. Am. Geog. Political and physical geography; Near East and Africa. Publ: Co-auth, The changing map of Africa, Van Nostrand, 63; Handbook of new nations, Crowell, 68; Africa, In: World political geography. Address: 2613 Silverdale Dr, Wheaton, Md. 20906.

STONEQUIST, PROF. EVERETT V(ERNER), b. Worcester, Mass, Oct. 5, 01; m. 24; c. 2. SOCIOLOGY. A.B. Clark, 22; Cornell, 22-24; Paris, 24-25; Ph.D, Chicago, 30. Instr, Geneva Sch. Int. Rel, 25-26; prof. econ. & sociol, Tusculum Col, 26-28; PROF. SOCIOL. & CHMN. DEPT, SKIDMORE COL, 30- Lectr, Hawaii, 34-35; Duke, 36; Missouri, 40. Dir. & secy, Corp. of Yaddo, N.Y., 44-; chmn, Saratoga Housing Authority, 51- Tech. consult, Saratoga Springs City Planning Bd, N.Y., 46- Pub. panel mem, War Labor Bd, 43-44; chief div. res, domestic br, Off. War Info, 44-45. Fel. Sociol. Asn. Race relations and culture contacts; city planning; family relations. Publ: The marginal man; Planning for Saratoga; Saratoga Springs looks to the future. Address: Dept. of Sociology, Skidmore College, Saratoga Springs, N.Y. 12866.

STONER, PROF. JOHN E(DGAR), b. Ladoga, Ind, June 13, 02; m. 28; c. 2. STATE & LOCAL GOVERNMENT. A.B. Manchester Col, 26; A.M. Chicago, 31, Ph.D, 37. PROF. GOVT, INDIANA, 38- Polit. Sci. Asn; Soc. Pub. Admin. Government regulation of business; highway administration; inter-local governmental cooperation. Publ: S.O. Levinson and the Pact of Paris; State government; Building regulation in Indiana. Address: Dept. of Government, Indiana University, Bloomington, Ind. 47405.

STONESIFER, DR. FRED A(USTIN), b. Littlestown, Pa, Mar. 7, 10; m. 34; c. 2. PSYCHOLOGY. A.B. Pittsburgh, 43, M.S., 48; fel. Pa. State, 51-53, Ph.D, 56. Trainee clin. psychol, Vet. Admin, Pittsburgh, Pa, 46-48; psychologist, bur. ment. health, State Dept. Welfare, 49-51; Selingsgrove State Sch, 53-56; clin. psychologist, State Bd. Health, Del, 56-61, dir. psychol. serv, 61-65; CHIEF PSYCHOLOGIST, CHILD DIAG. & DEVELOP. CENTER. DEL, INC, 65- Lectr, Pa. State, 61- U.S.N., 43-46, Lt. Psychol. Asn; Asn. Ment. Deficiency; Soc. Proj. Tech. Evaluation of the handicapped child with central nervous system involvement; development of programs for the education, training and management of such children; parent counseling. Publ: Changing concepts in mental retardation, Discipline as a philosophy of living & Of things psychological, 6-65, Del. Med. J. Address: 509 Wyoming Ave, Wilmington, Del. 19809.

STONESIFER, PROF. GILBERT R(OSS), b. Mechanicsburg, Pa, July 5, 05; m. 41; c. 2. ECONOMICS. B.S. N.Y. Univ, 35, M.B.A., 37; summers, Econ-in-Action fel, Case, 60; Ford fel, Indiana, 61. Head investment statistician, Brooklyn Trust Co, 36-46; security analyst, State Banking Dept, N.Y., 46-48; PROF. ECON. & BUS. ADMIN. & HEAD DEPT, MT. UNION COL, 48- Econ. Asn; Finance Asn. Railroad reorganizations; Bretton Woods agreement. Address: Dept. of Economics & Business Administration, Mt. Union College, Alliance, Ohio 44601.

STONESIFER, JOSEPH NOVAK, b. Oak Park, Ill, Feb. 24, 14; m. 55; c. 3. PUBLIC ADMINISTRATION. B.S. Illinois, 36; American Univ, 38-39, govt. fel, 66; M.A. George Washington, 46. Personnel classification investr, U.S. Civil Serv. Cmn, 36-38; chief personnel classification & orgn. sect, U.S. Maritime Cmn, 38-42; dir. personnel, chief naval opers, U.S. Dept. Navy, 46, admin. officer, 46-51; exec. officer, Civil Aeronaut. Admin, 50-59; coordinator automatic data processing, FED. AVIATION ADMIN, 59-62, SUPV. MGT. ANALYST, OFF. MGT. SYSTS, 62- Clin. psychologist, Family Welfare Serv, Ill, 35-36; instr, American Univ, 46-47; prof, George Washington, 55- Mem. exec. coun, Budget Bur. Interagency Cmt, Automatic Data Processing, 60-62; steering cmt, Interagency Mgt. Anal. Conf, 60-67; President's Task Force Combat Poverty, 64-65. U.S.N., 42-46, Lt. Comdr. Soc. Pub. Admin; Soc. Personnel Admin; Soc. Adv. Mgt; Psychol. Asn; Pub. Personnel Asn. Personnel administration; automatic data processing; management engineering; behavioral sciences; training and executive development. Publ: Second industrial revolution; Jet age of data processing; Bibliography for personnel management. Address: 3137 Valley Lane, Falls Church, Va. 22044.

STONESIFER, PROF. ROY P, JR, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

STONIER, PROF. CHARLES E, Econ, see 10th ed, Soc. & Behav. Vols.

STOODLEY, PROF. BARTLETT H, b. Somerville, Mass, July 15, 07; m. 44; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. A.B. Dartmouth Col, 29; LL.B. Harvard, 32, M.A., 47, Ph.D, 48. Lectr. SOCIOL, WELLESLEY COL, 47-49, asst. prof, 49-51, assoc. prof, 51-60, PROF, 60- Fulbright award, Philippines, 54-55; res. grants, United Bd. Higher Christian Ed. in Asia, Wellesley Col. & Mayling Soong Found, 62; vis. prof, Chung Chi Col, Hong Kong, 62-63. U.S.N.R., 42-45, Lt. Comdr. Sociol. Asn; Asn. Asian Studies. Psychoanalytic and social theory; social psychology; criminology. Publ: Concepts of Sigmund Freud; ed, Society and self; auth, Normative family orientations of Chinese students in Hong Kong, J. Marriage & Family, 11/67. Address: Dept. of Sociology, Wellesley College, Wellesley, Mass. 02181.

STOPOLE, DR. MURRAY S, b. New York, N.Y., Feb. 6, 26; m. 53; c. 4. PSYCHOLOGY. B.A. N.Y. Univ, 46; Stanford, 46-47; M.A. Columbia, 49, Ph.D. (psychol), 51; U.S. Pub. Health Serv. fel, Worcester State Hosp, 49-50. Asst. clin. psychol, Columbia, 50-51; clin. psychologist, Vet. Admin, 51-54; chief clin. psychologist, Hamm Psychiat. Clin, 54-59; human factors scientist, Syst. Develop. Corp, Calif, 59-63; CLIN. PSYCHOLOGIST, 54- Lectr, Minnesota, 53-59. Consult, Pillsbury Mills, 56-57; Stevens, Thurrow, 57-61; Olive View Ment. Hyg. Clin, Calif, 63-65; Woodview Hosp, Van Nuys, 64-; Edgemont Hosp, Los Angeles, 66- Dipl. Am. Bd. Exam. Prfln. Psychol, 59. Psychol. Asn. Psychotherapy; validation of clinical techniques; man-machine relationships. Publ: Rorschach performance in relation to two types of stress, J. Consult. Psychol; Consistency of stress tolerance, J. Personality; Further light on the executive personality, Personnel. Address: 5901 Capistrano Ave, Woodland Hills, Calif. 91364.

- STORDAHL, DR. KALMER ELIEF, b. McIntosh, Minn, Aug. 19, 22; m. 49; c. 3. EDUCATIONAL PSYCHOLOGY. B.S. Bemidji State Col, 47; M.A., Minnesota, 50, Ph.D.(ed. psychol), 53. Teacher, high sch, Minn, 47-48; res. assoc. mass commun, Illinois, 52-53; assoc. prof. ed. psychol, Ark. Polytech. Col, 53-55; res. specialist, Naval Personnel Res. Activity, D.C., 55-56, head eval. br. 56-58; res. coordinator, ed. media br, U.S. Off. Ed., 58-62; res. prof. teaching res. div, Ore. State Syst. Higher Ed, 62-63; dir. res, Midwest Prog. Airborne TV Instr, 63-64; DIR. INSTNL. RES. NORTH-ERN MICHIGAN, 64- U.S.A.A.F., 42-46, Sgt. AAAS; Psychol. Asn; Nat. Coun. Measurement in Ed; Ed. Res. Asn. Technology of teaching; educational measurement; higher education. Publ: Co-auth, Basic educational tests and measurement, Sci. Res. Assocs, 67; auth, Permanence of strong vocational interest blank scores, J. Appl. Psychol; Effect of organizational aids on comprehension and retention, J. Ed. Psychol. Address: 1505 Garfield, Marquette, Mich. 49855.
- STORER, DEAN JAMES A(LLEN), b. Watertown, N.Y., Jan. 16, 22; m. 51; c. 2. ECONOMICS. B.A., Bard Col, 43; M.A., Harvard, 48, Ph.D.(econ), 55; Fulbright scholar, Philippines, 51-52. Instr. econ, Bowdoin Col, 48-50, asst. prof, 50-56, assoc. prof, 56-62, prof. & dir. center econ. res, 62-65; asst. to dir, Bur. Commercial Fisheries, U.S. Dept. Interior, 65-66; prof. econ, BOWDOIN COL, 66-67, DANIEL B. FAYERWEATHER PROF. ECON. & SOCIOLOGY, 67- DEAN FACULTY, 66- Lectr, Philippines, 51-52, Fulbright lectr, 59-60. Mem, Philippines-U.S. Workshop Fisheries & Oceanog, Nat. Acad. Sci, 67; adv. cmt. marine resources, Dept. Interior, 67- U.S.N., 43-46, Lt. Am. Econ. Asn; Regional Sci. Asn; Philippine Econ. Asn. Economic development; regional studies. Publ: Co-auth, A study of textile mill closings in selected New England communities, U.S. Dept. Commerce, 63; The Kennebec and the Penobscot: an historical investigation of multiple use of Maine rivers, Conserv. Found, 64; auth, Economic aspects of fishery development in the Philippines, Studies in Trop. Oceanog, III, 66. Address: Hawthorne-Longfellow Hall, Bowdoin College, Brunswick, Maine 04011.
- STORER, DR. NORMAN W(ILLIAM), b. Middletown, Conn, May 8, 30; m. 51; c. 2. SOCIOLOGY. B.A., Kansas, 52, M.A., 56; Soc. Sci. Res. Coun. fel, Cornell, 59-60, Ph.D., 61. Instr. sociol. univ. & res. assoc, grad. sch. pub. admin, Harvard, 60-62, lectr, 62-63, asst. prof, 63-66, asst. chmn. dept, 62-65; STAFF ASSOC. SOC. SCI. RES. COUN, 66- Adj. assoc. prof, Hunter Col, 67- U.S.A., 53-55, Res, 55-58, Sgt. AAAS; Sociol. Asn. Sociology of science; dynamics of public opinion; deviance and control in social systems. Publ: The social system of science, Holt, 66; co-auth, Scientific communication, Int. Encyclop. Soc. Sci, 68; auth, The coming changes in American science, Science, 25, 10/63. Address: 23 Midway Rd, White Plains, N.Y. 10607.
- STOREY, PROF. ARTHUR G, b. Saskatoon, Sask, Nov. 24, 15; m. 46; c. 3. EDUCATIONAL PSYCHOLOGY. B.A. Saskatchewan, 47, B.Ed., 48; M.Ed., Alberta, 54, M.A., 59; Ph.D.(ed. psychol), Stanford, 60. Teacher counsr, pub. schs, Alta, 48-57; PROF. ED. PSYCHOL. CALGARY, 57- Can. Army, 40-46, Capt. Measurement; personality. Publ: Essay grading as a function of written language skill, Alta. J. Ed. Res, 12/63; A review of evidence of the case against the true-false item, J. Ed. Res, 2/66; Personality characteristics of prisoners compared with non-prisoners, Can. J. Corrections, 10/67. Address: Dept. of Educational Psychology, University of Calgary, Calgary, Alta, Can.
- STOREY, DR. DAVID A(LDEN), b. Worcester, Mass, Mar. 30, 33; m. 59; c. 2. AGRICULTURAL ECONOMICS. B.S., Massachusetts, 54; M.S., Purdue, 58, Ph.D., 60. Asst. agr. econ, Purdue, 54-55, 57-60; asst. prof, Illinois, Urbana, 60-63; ASSOC. PROF. AGR. & FOOD ECON, MASSACHUSETTS, 63- U.S.A.R., 55-57, 1st Lt. Agr. Econ. Asn. Marketing of food and agricultural products; public policy in agriculture and marketing; fishery economics. Publ: Co-auth, The market for fresh fish that originate from Boston fish pier landings, In: Recent developments and research in fishery economics, Oceana, 67; Market performance in the baking industry, J. Mkt, 1/64; Wholesale egg marketing costs in Massachusetts, Mass. Agr. Exp. Sta. Bull, 10/66. Address: Dept. of Agricultural & Food Economics, University of Massachusetts, Amherst, Mass. 01002.
- STOREY, DR. WALTER D(URWARD), b. Kalamazoo, Mich, May 14, 29; m. 55; c. 3. INDUSTRIAL PSYCHOLOGY. B.S., West. Mich. Col, 51; M.S., Purdue, 54, Ph.D.(indust. psychol. & mgt), 58. Supvr. personnel res, B.F. Goodrich Co, 57-59; personnel planning consult, Int. Minerals & Chem. Corp, 59-61, mgr. personnel res, 62-64; behav. psychologist, flight propulsion div, GEN. ELEC. CO, 64-67, MGR. TALENT REV. PROG, CORP. PERSONNEL & INDUSTRY RELS, 67- U.S.A.F., 51-53. Psychol. Asn; Int. Asn. Appl. Psychol. Personnel development; managerial selection and placement; personnel research; general application of behavioral science in industry, job analysis, organization planning, personnel administration, development and installation of assessment centers. Address: General Electric Co, P.O. Box 151, Ossining, N.Y. 10562.
- STORING, DEAN JAMES A(LVIN), Polit. Sci, see 10th ed, Soc. & Behav. Vols, deceased 67.
- STORM, DR. THOMAS F(RANKLIN), b. Pottstown, Pa, Sept. 22, 31; m. 47; c. 2. PSYCHOLOGY. A.B., Temple, 53; M.S., Yale, 54, Ph.D.(psychol), 60. Asst. prof. psychol, Ohio, 57-59; lectr, Auckland, 59-62; from asst. prof. to ASSOC. PROF., BRITISH COLUMBIA, 62- Psychol. Asn. Social organization and change; culture and personality; social learning. Address: Dept. of Psychology, University of British Columbia, Vancouver 8, B.C., Can.
- STORM, PROF. WILLIAM B(RUCE), b. Calgary, Alta, Jan. 2, 21; m. c. 3. POLITICAL SCIENCE. B.Ed., Northern Illinois, 42; A.M., Chicago, 48, Ph.D., 50. From asst. prof. to PROF. PUB. ADMIN, SOUTHERN CALIFORNIA, 49. Res. grants, Ford Found, 63-64, 66-67 & U.S. Dept. State, 67. Consult, South. Calif. local govt, 60-63; tech. aid progs, U.S. Agency Int. Develop, 54-; Naval Ord. Test Sta, Calif, 62; U.S. Dept. State, 67. Soc. Pub. Admin; Soc. Int. Develop. Public organization, administration and management; politics. Address: School of Administration, University of Southern California, Los Angeles, Calif. 90007.
- STORROW, DR. HUGH A(LAN), Med, see 11th ed, Phys. & Biol. Vols.
- STORRS, DR. THOMAS I(RWIN), b. Nashville, Tenn, Aug. 25, 18; m. 48; c. 2. ECONOMICS. B.A., Virginia, 40; M.A., Harvard, 50, Ph.D.(econ), 55. Monetary economist, Fed. Reserve Bank of Richmond, 45-52, asst. v.pres, 52-56, v.pres, 56-60; exec. v.pres, N.C. NAT. BANK, 60-67, V.CHMN. BD, 67- U.S.N.R., 41-45, 51-52, Comdr. Econ. Asn. Money and banking. Address: North Carolina National Bank, P.O. Box 21848, Greensboro, N.C. 27420.
- STORY, DR. ANNE WINTHROP, b. Haverhill, Mass, Jan. 12, 14. EXPERIMENTAL PSYCHOLOGY. A.B., Smith Col, 34; A.M., Boston, 35; Ph.D.(exp. psychol), California, Berkeley, 57. Instr. psychol, Pa. State, 47-50; res. asst. animal behav, Jackson Mem. Lab, Maine, 51; res. psychologist, flight safety, Norton AFB, Calif, 51-52; teaching asst. psychol, California, Berkeley, 52-57; RES. PSYCHOLOGIST, human factors, Hanscom AFB, Mass, 58-66; ENG. PSYCHOL., ELECTRONICS RES. CENTER, NASA, 66- AAAS; Psychol. Asn; Sci. Res. Soc. Am. Visual perception; decision-making; man-machine systems. Address: Apt. 5-6C, 100 Memorial Dr, Cambridge, Mass. 02142.
- STORY, DR. CHARLES DALE, b. Highfill, Ark, Jan. 1, 28. POLITICAL SCIENCE. B.A., Oklahoma, 50, M.A., 52, Ph.D.(govt), 58. Asst. prof. govt, Southern Methodist, 58-59; Cong. fel, Am. Polit. Sci. Asn, 59-60; asst. prof. govt, Howard, 60-63; vis. asst. prof, Hawaii, 63-64; vis. assoc. prof, George Mason Col, Univ. Virginia, 64-65; Iowa State, 65-66; assoc. prof, AMERICAN UNIV, 66-68, ACTING ASST. DEAN WASH. SEMESTER PROG, 68- U.S.A., 48-49 & 51-52, Capt. American national government and politics. Address: 1510 R St. N.W., Washington, D.C. 20009.
- STORY, DR. DEE ANN, b. Houston, Tex, Dec. 12, 31; m. 61. ANTHROPOLOGY, ARCHAEOLOGY. B.A., Texas, Austin, 53, M.A., 56; Ph.D.(anthrop), California, Los Angeles, 63. Mus. technician, California, Los Angeles, 56-57; archaeologist, Univ. Utah, 58-60; curator anthrop, Tex. Mem. Mus., TEXAS, AUSTIN, 60-62, archaeol. asst. dir, Tex. Archaeol. Salvage Proj, 62-64, ASST. PROF. ANTHROP. & EXEC. DIR. TEX. ARCHAEOLOG. RES. LAB, 65- Nat. Sci. Found. res. grant, 65-66. Fel. Anthropol. Asn; Soc. Am. Archaeol. North American archaeology, especially prehistory of Texas and adjacent region, also paleoecology of this area. Publ: Co-auth, Introductory handbook of Texas archaeology, 54 & auth, Archaeology of central Texas, 59, Tex. Archaeol. Soc; Co-auth, Archaeology of Canyon reservoir, Tex. Mem. Mus, 62. Address: Dept. of Anthropology, University of Texas, Austin, Tex. 78712.
- STORY, PROF. RICHARD M(ORGAN), b. Yonkers, N.Y., Aug. 23, 15; m. 41; c. 2. INDUSTRIAL ADMINISTRATION. B.S., Vermont, 40; M.S., Lehigh, 48, I.E., 57. Asst. prof. INDUST. ADMIN, CONNECTICUT, 48-55, ASSOC. PROF, 55-, COORDINATOR STATIST. QUAL. CONTROL, ADV. STATIST. QUAL. CONTROL, RELIABILITY & QUAL. CONTROL. MGT. INST, 50- U.S.A., 42-46, Col. Soc. Qual. Control. Wage administration. Publ: Co-auth, Managing manpower in the industrial environment, W.C. Brown, 63; auth, Trends in wage administration, Bus. Studies, N.Tex. State Univ, fall 67; The use of simulation to solve a queueing problem, Mgt. Serv, 1-2/68. Address: Dept. of Industrial Administration, University of Connecticut, Storrs, Conn. 06268.
- STOTLAND, PROF. EZRA, b. New York, N.Y., June 9, 24; m. 55; c. 1. PSYCHOLOGY. B.S.S.S., City Col. New York, 48; M.A., Michigan, 49, Ph.D.(soc. psychol), 53. Asst. psychol. clin, Michigan, 49-50, res. center group dynamics, 50-53, res. assoc. PSYCHOL, 53-57; asst. prof, WASHINGTON (SEATTLE), 57-61, assoc. prof, 61-65, Prof., 65- Nat. Sci. Found. res. fel, 62-63. Consult, Vet. Admin. Ment. Clins. & Hosps; res. consult, VISTA, 65-66. U.S.A., 42-46. Psychol. Asn; Soc. Psychol. Study Social Issues; Soc. Exp. Psychol. Empathy; birth order; cognitive processes; motivation; emotion. Publ: Co-auth, End of hope, Macmillan, 64; Life & death of a mental hospital, Univ. Washington, 65; auth, Psychology of hope, Jossey-Bass, 68. Address: Dept. of Psychology, University of Washington Graduate School, Seattle, Wash. 98105.
- STOTT, PROF. D. H., b. London, Eng, Dec. 31, 09; m. 37; c. 2. PSYCHOLOGY. B.A., Cambridge, 32; Ph.D.(psychol), London, 50. Res. officer criminology, Carnegie U.K. Trust, 46-51; res. fel. ed, Univ. Bristol, 51-57; lectr. psychol, Glasgow, 57-66; PROF. PSYCHOL, GUELPH, 66- Fel. Brit. Psychol. Soc. Child development and handicap; pedagogy; delinquency. Publ: Delinquency and human nature, Carnegie U.K. Trust, 50; Unsettled children and their families, Univ. London, 56, 2nd ed, 62; Studies of troublesome children, Humanities, 66. Address: Dept. of Psychology, University of Guelph, Guelph, Ont, Can.
- STOTT, DR. LELAND H(YRAM), b. Meadow, Utah, Feb. 17, 97; m. 30; c. 3. PSYCHOLOGY. B.A., Brigham Young, 27; M.A., Utah, 28; Ph.D., Illinois, 33. Assoc. prof. home econ. res, Nebraska, 35-44; mem. staff, MERRILL-PALMER INST, 44-52, leader longitudinal studies prog, 52-67, EMER. MEM, 67- U.S. Off. Ed. res. grant, 62-65. Part-time private practice, 67- Participant, Int. Cong. Ment. Health, Can, 54. Fel. Psychol. Asn; Soc. Res. Child Develop; Nat. Coun. Family Rel. Child development; family relationships; personality development; thinking abilities in preschool children. Publ: Child development-an individual longitudinal approach, Holt, 67; Parent-adolescent adjustment, its measurement and significance, J. Personality; co-auth, Infant and preschool mental tests-review and evaluation, Monogr. Soc. Res. Child Develop, 65. Address: 14127 Ilene, Detroit, Mich. 48238.
- STOTT, DR. RICHARD L(AVON), b. Baker, Ore, Sept. 8, 26; m. 50; c. 3. CLINICAL PSYCHOLOGY. B.A., Brigham Young, 50; M.A., Utah, 52, Ph.D., 57. Instr. psychol, Brigham Young, 52-54; psychologist, Pac. State Hosp, Calif, 57-58; private practice, 58- Lectr, exten. div, California, Los Angeles, 59-60, co-dir. & chief psychol. serv, ment. health div, student health serv, Irvine, 66- Psychologist, Fairview State Hosp, 58-59; Center Psychol. Med, 58- U.S.A.F., 44-47, Sgt. Psychol. Asn. Personality differences in normal American and Mexican children; perceptual vigilance and defense and personality maladjustment; psychotherapy with children. Publ: Rorschach performance of normal American and Mexican children;

Perceptual vigilance and defense in sexual conflict; Study of values in the professional staff of a state hospital. Address: 375 Weymouth Place, Laguna Beach, Calif. 92651.

STOTT, DR. WARREN W (ALTER), b. North Wales, Pa, Jan. 4, 24; m. 58; c. 5. CLINICAL PSYCHOLOGY. B.S. Col. William & Mary, 48; Ph.D. Nebraska, 53. Clin. psychologist, Norfolk Ment. Hyg. Center, Va, 53-55; chief psychologist, Portsmouth Area Counseling & Guid. Clin, 55-57; asst. dir. psychol. servs, Allentown State Hosp, 57-63; DIR. PSYCHOL. SERV. WERNERSVILLE STATE HOSP, PA, 63- Consult, Bethany Children's Home, 67- Dipl. Am. Bd. Exam. Prinl. Psychol, 61. U.S.N, 42-48, Lt.(jg). Psychol. Asn. Personality theory; projective techniques; theory and technique of psychotherapy. Address: Wernersville State Hospital, Wernersville, Pa. 19565.

STOTTS, PROF. HERBERT E (DWARD), b. Clinton, Mo, Dec. 22, 16; m. 38; c. 3. SOCIOLOGY OF RELIGION. A.B. Baker, 38, D.D. 60; B.D. Southern Methodist, 40; Ph.D. Denver, 50. PROF. SOCIOL. OF RELIG, Iliff Sch. Theol, 47-56; SCH. THEOL, BOSTON, 56- Assoc. prof, Denver, 48-50; Fulbright lectr, Isabella Thoburn Col, Lucknow, 62-63. Chmn, Greater Boston Young Adult Cmt. Sociol. Asn. Church and community surveys; leadership research. Publ: Church inventory handbook; Introduction to sociology of religion; Methodism and society: guidelines for strategy. Address: 11 Hunt Rd, Lexington, Mass. 02173.

STOUDMIRE, PROF. ROBERT H, b. Little Mt, S.C, Apr. 28, 21; m. 50. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B. Newberry Col, 42; fel, South Carolina, 46, M.A., 48; summer fel, Minnesota, 51; South. Regional fels, North Carolina, 51-53. Asst. bur. pub. admin, SOUTH CAROLINA, 47-53, instr. POLIT. SCI, 53-59, ASST. PROF, 59-, ed, Govt. Rev, 62. Del, White House Conf. Aging, 61. Consult, 61- State and local governmental problems. Publ: Co-auth, Municipal government in South Carolina, Constitutional conventions: powers and organization & Columbia, South Carolina, city government. Address: Dept. of Political Science, University of South Carolina, Columbia, S.C. 29208.

STOUDT, DR. HOWARD W (EBSTER), Phys. Anthropol, see 11th ed, Phys. & Biol. Vols.

STOUDT, DR. RALPH JOSEPH, JR, b. Reading, Pa, Sept. 23, 28; m. 57; c. 2. SPEECH PATHOLOGY. A.B. Albright Col, 50; Princeton Theol. Sem, 50-51; M.A. Virginia, 59; Ph.D. (speech path), Michigan, 64. ASST. PROF. SPEECH PATH, Vanderbilt, 64-66; VIRGINIA, 66- Asst. prof. spec. ed, George Peabody Col, 64-66; chief speech pathologist, Bill Wilkerson Hearing & Speech Center, Nashville, Tenn, 64-66. Speech & Hearing Asn; Acad. Aphasia; Cleft Palate Asn. Speech and language behavior of the adult aphasic; Language development in children. Address: Dept. of Speech Pathology, 109 Cabell Hall, University of Virginia, Charlottesville, Va. 22901.

STOUFFER, DEAN GEORGE A (NDREW) W (ASHINGTON), JR, b. Mechanicsburg, Pa, Oct. 11, 11; m. 52; c. 4. PSYCHOLOGY. B.S. Shippensburg State Col, 37; M.Ed. Pittsburgh, 39, Ed.D. 50; fel, Purdue, 39-40. Clin. psychologist, State Div. Correction, Ind, 41-42; chief clin. psychologist, Vet. Admin. Neuropsychiat. Hosp, Coatesville, Pa, 46-47; sch. psychologist, Mercer & Crawford Counties, 47-48; instr. psychol, Pittsburgh, 48-50; sch. psychologist, Adams County, 50-55; dean undergrad. studies, INDIANA UNIV. PA, 55-65, DEAN SCH. ED, 65-, dir. psychol. clin, 55-61. Vis. lectr, Pa. State, 58-; assoc. prof. St. Francis Col. (Pa), 61- Psychol. consult, City-County Clin, Johnstown, Pa, 60-; voc. consult, Dept. Health, Ed. & Welfare, 65-; psychol. consult, Civil Serv. Cmn, Altoona, Pa, 66- U.S.N, 42-46, 51-52, Res, 52-, Comdr. Fel. Psychol. Asn. Military applications of psychology; behavior problems; attitudes; test construction. Publ: Just what is a behavior problem? Parents Mag; Naval psychologist in the Far East Command, U.S. Armed Forces Med. J; Behavior problems of children as viewed by teachers and mental hygienists, In: Growth, teaching, and learning. Address: School of Education, Indiana University of Pennsylvania, Indiana, Pa. 15701.

STOUGHTON, DR. ROBERT W (ETMORE), b. East Windsor, Conn, Nov. 5, 13; m. 41; c. 1. COUNSELING, EDUCATIONAL PSYCHOLOGY. A.B. Harvard, 35; M.A. Brown, 36; Ph.D. Connecticut, 55. Teacher, high sch, Conn, 37-39, dir. guid, 39-42, 43-45, prin, 42-43; counsr, Bridgeport Community Adv. Serv. Center, 45-47; asst. prof. guid, Boston, 47-48; ed, Trinity Col. (Conn), 49-50; ed. consult. guid. & testing, CONN. STATE DEPT. ED, 50-64, CHIEF BUR. PUPIL PERSONNEL & SPEC. ED. SERV, 64- Asst. prof, Connecticut, 50-; vis. lectr, N.Y. Univ, 52; Hartford, 55- Psychol. Asn; Personnel & Guid. Asn; Ed. Res. Asn; Asn. State Dirs. & Spec. Ed; Coun. Except. Children. Measurement and evaluation; public school guidance, counseling, testing and pupil personnel services; special education. Publ: Testing service: a design for program development; ed, Team approach in pupil personnel services; contrib, Counseling: a growing profession, Am. Personnel & Guid. Asn, 65. Address: Bureau of Pupil Personnel & Special Education Services, State Dept. of Education, Hartford, Conn. 06115.

STOUSE, DR. PIERRE A (DOLPHE) D (UCROS), JR, b. Atlanta, Ga, July 17, 35; m. 58. GEOGRAPHY. B.S. Stanford, 57; Nat. Sci. Found. fel. & M.A. Texas, 61; For. Area Prog. fel. & Ph.D. (geog), Wisconsin, 65. ASST. PROF. GEOG, KANSAS, 65- C.Eng. U.S.A., 57-59, 1st Lt. Asn. Am. Geog; Am. Geog. Soc; Pan-Am. Inst. Geog. & Hist. Cultural adjustments to migrations from dissimilar physical environments to the humid tropics in Latin America. Publ: A framework for measurement of development in Latin American land settlement projects, Int. Migration, 63; Cambios en el uso de la tierra en regiones ex-bananas de Costa Rica, Instituto Geográfico de Costa Rica, 67. Address: Dept. of Geography, University of Kansas, Lawrence, Kans. 66044.

STOUT, PROF. DAVID B (OND), b. Stoughton, Wis, Mar. 7, 13; m. 39, 58; c. 1. ANTHROPOLOGY. B.A. Wisconsin, 36; scholar, Michigan, 36-37, M.A. 37; scholar, Columbia, 38-39, Ph.D. (anthrop), 46; Cutting traveling fel, Göteborgs Hogskola, Sweden, 39-40. Proj. supvr. archaeol. surv, Works Progress Admin, Ky. 37-38; instr. anthropol, Vanderbilt, 41-42; res. analyst, Off. Strategic Servs, D.C., 42-43; asst. prof. ANTHROP, Syracuse, 46-49; PROF,

Iowa, 49-59; STATE UNIV. N.Y. BUFFALO, 59- Philos. Soc. grant, 46, 66; Viking Fund grant, 47-48; Am. Coun. Learned Soc. faculty fel, 52-53; State Univ. N.Y. Buffalo grant, 65-66; Nat. Inst. Ment. Health grant, 66-67. Consult, Hispanic Found. & Library of Cong, 48-60; Indian claims cases, U.S. Dept. Justice, 56-67. Mem-at-large, div. anthropol. & psychol, Nat. Res. Coun, 51-53; Am. Anthropol. Asn. del, Am. Coun. Learned Soc, 53-56. Mem. ethnol. exped, E. Panama, 40-41, field res, Taiwan, 65-66. U.S.N, 42-45. Fel. Anthropol. Asn. (secy, 47-51); Soc. Archaeol; Ethnol. Soc; Asn. Asian Studies. Acculturation phenomena and processes of cultural change; ethnography of Panama and tropical forest areas of South America; aesthetics in non-literate societies; traditional Chinese arts and crafts as reflections of the relations between overt and covert culture. Publ: The Choco, Handbook S. Am. Indians; Persistent elements in San Blas Cuna social organization, Proc, Int. Cong. Americanists; The aesthetics of primitive art, Proc. Vth Int. Cong. Anthropol. & Ethnol. Sci, 60. Address: Dept. of Anthropology, State University of New York, Buffalo, N.Y. 14214.

STOUT, DEAN HIRAM M (ILLER), b. Indianapolis, Ind, Apr. 30, 05; m. 34. POLITICAL SCIENCE. B.A. DePauw, 26; M.A. Harvard, 31, Ph.D. (govt), 34. From instr. to assoc. prof. polit. sci, DePauw, 28-37; mem. pub. admin. res. staff, Civil Serv. Assembly, 37-39; assoc. prof. polit. sci, American Univ, 39-41; with U.S. Govt. Serv, 41-62; PROF. POLIT. SCI, GEORGE WASHINGTON, 62-, DEAN SCH. PUB. & INT. AFFAIRS, 66- Prof, Naval War Col, 55-56; vis. prof, Duke, 62. Polit. Sci. Asn. Comparative government; international relations; foreign policy. Publ: Public service in Great Britain; British government. Address: 4000 Cathedral Ave, Washington, D.C. 20016.

STOUT, DR. IRVING WRIGHT, b. Fall River, Wis, Dec. 15, 03; m. c. 1. EDUCATIONAL PSYCHOLOGY. B.Ed. Wis. State, Platteville, 36; M.A. Northwestern, 44, Ed.D. (ed. Psychol), 48. Teacher, pub. schs, 28-36, guid. counsr, Wis, 36-44, dir. guid, 44-47; prof. ed. psychol, Wisconsin, Milwaukee, 47-49; assoc. prof, N.Y. Univ, 49-51; prof, Southern Illinois, 51-53; dean grad. col, ARIZONA STATE, 53-63, PROF. ED. PSYCHOL, 53-, fel, 64-65. Lectr, Bemidji State Col, 65. Parent-child relationship; child growth. Publ: Co-auth, These well-adjusted children, Day, 51, Teacher-parent interviews, Prentice-Hall, 54 & Teaching in primary grades, Mcmillan, 64. Address: 1303 Mill Ave, Tempe, Ariz. 85281.

STOUT, PAUL R (ICHARD), b. Hamilton, Ohio, Nov. 21, 18; m. 41; c. 3. STATISTICS. A.B. Miami (Ohio), 39; fel, Northwestern, 40-42. Org. chemist, JOHN STUART RES. LABS, QUAKER OATS CO, 44-45, group leader, 46-50, statistician, 51-53; sect. leader statist. serv, 54-65, MGR. MATH. APPLN, 65- Statist. Asn; Soc. Qual. Control. Applied industrial statistics; philosophy of science; quality control. Address: 150 N. Main St, Lombard, Ill. 60148.

STOUT, PROF. RANDALL S, b. Jacksonville, Ill, Mar. 11, 15. FINANCE. A.B. Ill. Col, 35; M.B.A. Northwestern, 37; Ph.D. Pittsburgh, 45. From instr. to asst. prof. PUB. FINANCE, PA. STATE, 41-48, from assoc. prof. to PROF, 48- Fiscal adv, higher ed, Ill. Tax res. consult, Joint State Govt. Cmn, Pa, 45-47. Taxation; unemployment relief financing in the states; recent trends in property tax equalization. Publ: Taxation of cooperatives; Role of state and local governments in national fiscal policy; co-auth, Pennsylvania tax question. Address: Dept. of Economics, Pennsylvania State University, University Park, Pa. 16802.

STOUT, DR. ROY G, Econ, Statist, see 10th ed, Soc. & Behav. Vols.

STOUT, PROF. THOMAS T (AYLOR), b. Columbus, Ohio, Sept. 1, 29; m. 54; c. 2. AGRICULTURAL ECONOMICS. B.Sc. Ohio State, 52, M.Sc. 53, Ph.D. (agr. econ), 56. Fel. & instr. gen. agr. econ, Purdue, 57; asst. prof. AGR. ECON, 58-61; assoc. prof, OHIO STATE, 61-66, PROF, 66- Agr. Econ. Asn. Marketing of agricultural products; price analysis and price forecasting; agricultural policy; agricultural resource development. Publ: Co-auth, Economics of the livestock-meat industry, Macmillan, 64. Address: Dept. of Agricultural Economics, Ohio State University, Columbus, Ohio 43210.

STOUT, DR. W (HITNEY) B (OWMAN), b. Circleville, Ohio, Mar. 23, 99; m. 25; c. 2. AGRICULTURAL ECONOMICS. B.Sc. Ohio State, 22, M.S. 28, Ph.D. (agr. econ), 30. Exten. economist, Purdue, 31-35; sr. exten. economist, U.S. Dept. Agr, 35-43, in charge econ. exten. sect, 43-46, prin. agr. economist, prod. & mkt. admin, 46-47, exp. sta. adminstr, off. exp. sta, 47-52, state exp. sta. div, agr. res. serv, 52-62, coop. state exp. sta. serv, 62-64; RETIRED. U.S.A., 18. Am. Agr. Econ. Asn; Int. Asn. Agr. Econ. Agricultural marketing and prices; cooperative marketing; marketing facilities. Address: 2299 Tremont Rd, Columbus, Ohio 43221.

STOVAL, PROF. F (RANKLIN) L (INDSAY), b. Foreman, Ark, Mar. 28, 05; m. & c. 1. PSYCHOLOGY. Ph.D. (ed. psychol), Texas, 45. Instr. ed. psychol, Texas, 42-45; PROF. PSYCHOL, HOUSTON, 45-, DIR. COUNSELING & TESTING SERV, 50- Consult, superior ed. coun, Puerto Rico, 47-51. AAAS; Psychol. Asn; Statist. Asn. Test construction; statistics and measurement; guidance at the college level. Publ: Co-auth, Study of high school academic indices as a criterion for college admission, J. Ed. Psychol. Address: 7935 Montglen Dr, Houston, Tex. 77017.

STOVEKEN, PROF. RUTH D (OROTHY), b. Marinette, Wis, Apr. 10, 13. GEOGRAPHY. B.S. Wis. State Teachers Col. (Oshkosh), 40; M.S. Wisconsin, 47. ASST. PROF. GEOG, WISCONSIN, MILWAUKEE, 47- U.S.N.R., 43-46, Lt. Asn. Am. Geog; Am. Geog. Soc; Nat. Coun. Geog. Ed. Anglo-America. Address: Dept. of Geography, University of Wisconsin, 3203 N. Downer, Milwaukee, Wis. 53211.

STOVEL, PROF. JOHN A (RCHIBALD), Econ, see 10th ed, Soc. & Behav. Vols.

STOVER, CARL F (REDERICK), b. Pasadena, Calif, Sept. 29, 30; m. 54; c. 3. POLITICAL SCIENCE. A.B. Stanford, 51, M.A. 54. Res. assoc. coop. prog. ed. admin, Kellogg Found, 51-53; instr. polit. sci, Stanford, 53-55; admin. analyst, off. secy, U.S. Dept. Agr, 55-57; assoc. dir. exec. conf. prog,

- Brookings Instn, 57-59, conf. prog. pub. affairs, 59-60; asst. to chmn. bd. ed, Encyclop. Britannica, 60-62; sr. polit. scientist, Stanford Res. Inst, 62-64; PRES. NAT. INST. PUB. AFFAIRS, 64- Dir. pub. affairs fel. prog, Stanford, 62-64. Consult. Coop. Prog. Ed. Admin, 51-54; Nat. Conf. Christians & Jews, 53; Nat. Sci. Found, 54; Vet. Admin, 58-59; U.S. Civil Serv. Cmn. & Center Study Democratic Insts, 60-; U.S. Bur. Budget, 66-; Syst. Develop. Corp, 67- Fel. AAAS; Polit. Sci. Asn; Soc. Pub. Admin; Acad. Polit. & Soc. Sci; Fedn. Am. Sci. Public administration; political behavior; research methodology and theory in political science; science and technology; urban ecology. Publ: The government of science; The technological order, Wayne State, 63. Address: National Institute of Public Affairs, Suite 610, 1825 K St. N.W., Washington, D.C. 20006.
- STOVER, DR. LEON E(UGENE), b. Lewistown, Pa, Apr. 9, 29; m. 51. ANTHROPOLOGY. B.A., West. Md. Col, 50; New Mexico, summer, 50; Harvard, 51; M.A., Columbia, 52, Ph.D.(anthrop), 62. Asst. curator, Lincoln County Hist. Mus., N.Mex, 50; instr., Am. Mus. Natural Hist, 55-57; instr. anthropol, Hobart & William Smith Colls, 57-62, asst. prof. anthropol. & lectr. comp. lit, 62-63; vis. asst. prof. cultural anthropol, Tokyo, 63-65; ASSOC. PROF. ANTHROP, ILL. INST. TECH, 65- Res. grants, Hobart & William Smith Colls, summer, 61, Human Ecol. Fund, Japan, 63-64, Nat. Inst. Ment. Health, Japan, 64-65. Fel. Anthropol. Asn; Am. Ethnol. Soc; Asn. Asian Studies; Japanese Soc. Ethnol. Comparative Chinese and Japanese ethno-sociology; design for a material culture dictionary; field-testing the Hall-Trager model of culture; human ethology. Publ: Co-auth, Apeman, spaceman, Doubleday & Penguin, Eng, 68; auth, China: last of the agrarian states, Mentor Press, (in press); Sub-cultural boundary controls and communism in China, In: Anthropology and Austronesia, (in press). Address: Dept. of Anthropology, Illinois Institute of Technology, Chicago, Ill. 60616.
- STOVER, DR. ROBERT, Indust. Psychol, see 11th ed, Phys. & Biol. Vols.
- STOVER, DR. STEPHEN LEECH, b. McPherson, Kans, Aug. 10, 19; m. 44; c. 5. GEOGRAPHY. A.B., McPherson Col, 40; M.A., Kansas, 41; M.S., Wisconsin, 55, fel, 56, Ph.D. 60. Instr, high sch, Kans, 41-42, asst. prin, 46-54; instr. soc. sci. & asst. dean, Garden City Jr. Col, 46-54; asst. GEOG. Wisconsin, 55-56; instr., Wisconsin, Milwaukee, 57-60, ASST. PROF. 60-64; KANSAS STATE, 64- Fulbright vis. lectr, Auckland, 66-67. U.S.A., 42-46, Sgt. Asn. Am. Geog; Nat. Coun. Geog. Ed. Historical geography of the United States; agricultural geography; Australia; New Zealand. Publ: Early sheep husbandry in Ohio, Agr. Hist, 62; Changing regionalization of sheep husbandry, Trans. Wis. Acad, 64; College geography, U.S. Armed Forces Inst, 65. Address: Dept. of Geology & Geography, Kansas State University, Manhattan, Kans. 66502.
- STOVER, DR. VERGIL G, Transportation Eng, see 11th ed, Phys. & Biol. Vols.
- STOYLE, DR. JUDITH, b. Quincy, Mass, Aug. 26, 28. BUSINESS STATISTICS. B.S., Massachusetts, 50; M.S., Pa. State, 57, Ph.D.(agr. econ), 62. Farm secy. & asst. herdsman, Fuerst Stock Farm, N.Y., 50-52; vet. secy, Pine Plains Animal Hosp, 52; off. mgr., Md. Aberdeen-Angus Breeders Assn, 52-54; partner, Nat. Aberdeen-Angus Sales Serv, 54-55; res. asst. agr. econ, Pa. State, 55-57, instr. bus. statist, 57-62, asst. prof, 62-67; vis. assoc. prof. STATIST, TEMPLE, 67-68, ASSOC. PROF. 68- Consult, center res. early childhood, Temple, 67- Am. Agr. Econ. Asn; Statist. Asn; Econ. Asn; Can. Agr. Econ. Asn. Teaching and research in applied statistics. Publ: Two three credit correspondence courses for undergraduate elementary and intermediate statistics, Pa. State Univ, 63; Land utilization as a stochastic process, Can. J. Agr. Econ, 2, 63; co-auth, Wasted manpower-Pennsylvania's rural youth, Pa. Bus. Surv, 11/66. Address: Dept. of Statistics, School of Business Administration, Temple University, Philadelphia, Pa. 19122.
- STRAAYER, DR. JOHN ADRIAN, b. Grand Rapids, Mich, Jan. 16, 39; m. 63; c. 2. POLITICAL SCIENCE. B.S., Western Michigan, 63, M.A., 64; Ph.D. (polit. sci), Arizona, 67. Res. asst. polit. sci, Western Michigan, 63-64; instr, Arizona, summer 65, teaching assoc, 65-66, res. assoc, water resources res. center, 66-67; ASST. PROF. POLIT. SCI., COLORADO STATE, 67- Univ. Faculty Res. Grant Cmt. grant & polit. scientist, U.S. Pub. Land Law Rev. Cmn. study, 67-68. Polit. Sci. Asn. American government; American state-local government and public policy; natural resources; urban problems; public administration. Address: Dept. of Political Science, Colorado State University, Ft. Collins, Colo. 80521.
- STRACK, DEAN C(HARLES) M(ILLER), b. Grundy Center, Iowa, Aug. 18, 15; m. 40; c. 4. GEOGRAPHY. Ph.D.(geog), Iowa, 50; summer, Minnesota, 62. Instr. soc. sci, Iowa, 46-50; PROF. GEOG, HENDERSON STATE COL, 50-51, DEAN GEN. COL, 54- Inst. dir, Title IV Civil Rights Act, 66-68. U.S.A., 41-46, Col. Asn. Am. Geog; Nat. Coun. Geog. Ed. General education programs and curricula; economic geography; geography of the South. Publ: Spatial patterns in the agriculture of the TVA area; Spatial patterns in the 1948-1960 Presidential elections; Our earth, a syllabus in earth science, Henderson State Col, 61. Address: 1301 Richardson St, Arkadelphia, Ark. 71923.
- STRAETZ, PROF. RALPH A, b. Newark, N.J., July 14, 18; m. 40; c. 1. GOVERNMENT. A.B., Chicago, 38; A.M., Boston, 42; Ph.D.(polit. sci), Illinois, 51. Assoc. prof. GOVT, Miami (Ohio), 49-57; acting assoc. prof, N.Y. Univ, 57-58, PROF. GRAD. SCH. ARTS & SCI, 58- DIR. NAT. INST. MENT. HEALTH RES. TRAINING PROJ. GOVT. & MENT. HEALTH, GRAD. SCH. ARTS & SCI, 63- chmn. dept. govt. & int. rels, 58-67, acting head all univ. dept. govt, 66-67. Polit. Sci. Asn. Political parties; American political theory; American government. Publ: PR politics in Cincinnati; co-auth, Has PR worked for the good of Cincinnati? & New York politics. Address: National Institute of Mental Health Project, New York University, Graduate School of Arts & Science, 80 Washington Square E, Room 58, New York, N.Y. 10003.
- STRAIGHT, PROF. GLENN H(IRAM), b. Charlotte, Mich, Mar. 8, 90; m. 15. EDUCATIONAL PSYCHOLOGY. B.A., Emmanuel Missionary Col, 13; M.A., Nebraska, 49, Ed.D. 56. Instr. math. & sci, parochial schs, Mich. & Wis, 13-18; chmn. dept. music, South. Jr. Col, 18-20; supt. Winyah Lake Acad, 20-22; Walderly Acad, 23-28; adminstr, Bethel Acad, 28-34; self-employed, 34-43; from instr. to prof. psychol. & ed, Union, 43-58; lectr. psychol., Jacksonville, 59-60, prof, 61-67; RETIRED. Testing and guidance. Address: 10460 Ft. Caroline Rd, Jacksonville, Fla. 32211.
- STRAIN, DR. EDWARD R, JR, b. Indianapolis, Ind, Apr. 12, 25; m. 44. PSYCHOLOGY. A.B., Butler, 48; Ph.D.(psychol), Duke, 52. Clin. psychol. trainee, Vet. Admin, 48-52; psychologist, state med. center, Columbus Receiving Hosp, Ohio, 52-53; Vet. Admin. Hosp. Ind. Med. Center, 53-56; CLIN. & INDUST. CONSULT, 56- Lectr. dept. psychol, Butler, 54-56, 64, 65, 67, 68. U.S.N.R., 43-46. Psychol. Asn. Motivation and learning; measurement of personality variables; application of psychological principles in business and industry. Publ: Analysis of an avoidance gradient under latent learning conditions, J. Exp. Psychol; Values and psychology, Proc. Ind. Acad. Sci. Address: 1133 E. Southport Rd, Indianapolis, Ind. 46227.
- STRAIN, DR. JAMES R(OBERT), b. Greencastle, Ind, Feb. 20, 25; m. 53; c. 2. AGRICULTURAL ECONOMICS. B.S., Purdue, 50, M.S., 55; Ph.D., Oregon State, 57. Asst. agr. econ, Purdue, 53-55; Oregon State, 55-57; EXTEN. ECONOMIST, IOWA STATE, 57- Mem. Secy, Agr. cmt. milk mkt, 61-62; chmn, Dairy Mkt. Adv. Cmt, 64- U.S.A., 50-52. Agr. Econ. Asn; Dairy Sci. Asn; Can. Agr. Econ. Soc. Dairy and poultry marketing, especially costs, efficiency and economies of scale in plant operation; farmer bargaining power; Federal marketing orders; firm reorganization and consolidation. Publ: Relationship between plant size and cost of processing fluid milk in Oregon, Oregon State Agr. Exp. Sta. Bull; What about bargaining power for farmers? Iowa Farm Sci; co-auth, An evaluation of the level and alignment of Federal order milk prices for the area of associated dairymen as of 1965, Assoc. Dairymen, Inc, 12/65. Address: 302 E. Hall, Iowa State University, Ames, Iowa 50010.
- STRAIN, PROF. R(OBERT) E(STEY), b. Kirwin, Kans, July 5, 15; m. 37; c. 4. ECONOMICS. B.A., Wichita, 37; M.Ph., Wisconsin, 47, Ph.D.(labor econ), 53. Asst. prof. econ. & sociol, Iowa State Teachers Col, 47-55; assoc. prof. ECON. & acting head dept, Akron, 55-56; PROF. CALIF. STATE COL. LONG BEACH, 56- U.S.A., 42-46, Maj. Econ. Asn; Indust. Rels. Res. Asn. Wages and wage structures; public policy for control of industrial relations; labor relations. Address: Dept. of Economics, California State College at Long Beach, Long Beach, Calif. 90804.
- STRANAHAN, PROF. J(AMES) A(DAMSON), JR, Econ, see 10th ed, Soc. & Behav. Vols.
- STRAND, DR. ALAN L(AWRENCE), b. Chicago, Ill, Sept. 11, 26; m. 49; c. 4. PSYCHOLOGY. B.S., Illinois, 49, A.M., 52; Ph.D.(psychol), Ill. Inst. Tech, 54. Consult, Booz, Allen & Hamilton, 55-57; Union Carbide Corp, 57-61; Roy Doty & Assocs, 61-65; PRES. ALAN L. STRAND & ASSOCS, 65- Dir. Ment. Health Asn. Greater Chicago, 66- U.S.N.R., 44-46. Psychol. Asn. Executive appraisal and development; organization planning; human engineering. Address: #01 S. Brainard Ave, La Grange, Ill. 60525.
- STRAND, PROF. NORMAN V(ICTOR), b. Pierre, S.Dak, Sept. 26, 08; m. 39; c. 3. STATISTICS, AGRICULTURAL ECONOMICS. B.S., S.Dak. State Col, 34, M.S., 35; Iowa State, 35-37. Asst. econ, Iowa State, 35-36; dir. econ. res. proj., Work Proj. Admin. & Iowa State, 36-41; mem. staff, State Planning Bd, Iowa, 36-41; agr. economist, bur. agr. econ, U.S. Dept. Agr, 41-46; res. assoc. STATIST, IOWA STATE, 46-48, asst. prof, 48-50, assoc. prof, 50-60; PROF. 60-; AGENT, STATIST. REPORTING SERV, U.S. DEPT. AGR, 58-, agr. & math. statistician, agr. mkt. serv, 46-58. Statistician, Rockefeller Found. Econ. & Soc. Surv, Greece, 48. U.S.A., 42-46, Res, 46-61, Lt. Col. Statist. Asn. Reproduction. Publ: Co-auth, Livestock marketing practices in Iowa & Iowa livestock producers' choice of markets, Iowa Exp. Sta. Bull; co-auth, Statistical methods sections, In: Crete: a case study of an underdeveloped area. Address: 1906 Douglas, Ames, Iowa 50010.
- STRANG, PROF. RUTH M(AY), b. Chatham, N.J., Apr. 3, 95. PSYCHOLOGY, EDUCATION. B.S., Columbia, 22, M.A., 24, Ph.D. 26. Instr. & superv. student ed, teachers col, Columbia, 24-25, res. assoc. psychol, 25-26, res. fel. student personnel admin, 26-29, asst. prof. ED, 29-36, assoc. prof, 36-40, PROF. 40-60; ARIZONA, 60- Emer. prof, teachers col, Columbia, 60-; instr. North Carolina, 26-28. Consult, Woods Sch. Except. Children. Fel. AAAS; fel. Psychol. Asn; Nat. Soc. Study Ed. Problems in the improvement of reading; child and adolescent psychology; guidance. Publ: An introduction to child study, Macmillan, 4th ed, 59; Diagnostic teaching of reading, 64, McGraw; Helping your child develop his potentialities, Dutton, 65. Address: College of Education, University of Arizona, Tucson, Ariz. 85721.
- STRANGE, DR. FRANK B(OLIN), b. Portland, Ore, Jan. 8, 26; m. 48; c. 4. PSYCHOLOGY. A.B., Portland, 49, M.A., 50; Pa. State Col, 50-51; Ph.D. (psychol), Washington (St. Louis), 53. Instr. psychol, Portland, 53-55, asst. prof, 55-58, staff psychologist, psychol. serv, 53-58; exec. dir, Ment. Health Asn, Ore, 58-60; consult, ment. health sect, Ore. State Bd. Health, 60-62; dir. ed. & info. serv, ment. health div, Ore. State Bd. Control, 62-64; res. med. psychol, med. sch, Oregon, 64-65, assoc. dir. counseling, Tongue Point Job Corps Center, Astoria, Ore, 65-67; CLIN. PSYCHOLOGIST, 67- Consult, Mt. Angel Sem. St. Benedict, Ore. & Tualatin Valley Guid. Clin, Beaverton, 67- Dipl. Am. Bd. Exam. Profnl. Psychol, 67. U.S.N.R., 44-46. Psychol. Asn; Pub. Health Asn; Soc. Sci. Study Rellg. Community mental health. Publ: A note on sex difference on the Wechsler Bellevue tests; Study of self-selection of group tests; Self-regulatory behavior after enterpation of certain endocrine glands. Address: 4702 N.E. Alameda, Portland, Ore. 97213.
- STRANGE, PROF. J(ACK) R(OY), b. Dallas, Tex, Feb. 13, 21; m. 47; c. 2. PSYCHOLOGY. B.A., Southern Methodist, 43, M.A., 47; Ph.D., Hopkins, 50. Instr. psychol, Southern Methodist, 46-48; jr. instr, Hopkins, 48-50; asst. prof. PSYCHOL, SOUTHERN METHODIST, 50-53, assoc. prof, 53-59, PROF. 59-, CHMN. DEPT, 67- U.S.A., 43-48. Psychol. Asn. Animal learning; history of psychology; abnormal and physiological psychology. Publ: Abnormal psychology, McGraw, 65; co-auth, Readings in physiological

psychology, Wadsworth, 66; Latent learning under conditions of high motivation, *J. Comp. & Physiol. Psychol.* Address: 3614 Lindenwood, Dallas, Tex. 75205.

STRANGE, DR. JOHN H(ADLEY), b. Kansas City, Mo, July 12, 38; m. 59; c. 3. POLITICAL SCIENCE. A.B. Duke, 60; M.A. Princeton, 63, Ph.D. (politi), 66. Instr. polit. Princeton, 64-66; ASST. PROF. POLIT. SCI, DUKE, 66-; DIR. RES. PLANNING & PROG. DEVELOP. NORTH CAROLINA FUND, 66- Lectr, U.S. Mil. Acad, 67, 68. Urban politics; especially the politics of the poor and minority groups. Publ: Racial segregation in the metropolis, In: Metropolitan politics: a reader, Little, 66. Address: North Carolina Fund, P.O. Box 687, Durham, N.C. 27702.

STRANTZ, MAURICE K(ING), b. Logansport, Ind, Apr. 19, 21; m. 45; c. 2. ECONOMICS. A.B. Chicago. Analyst, John Child & Co, 46; res. consult, San Francisco, Calif. 46-50; economist, U.S. BUR. RECLAMATION, 50-56, mgr. Tularelake Dist, 56-61, CHIEF OPERS, WESTLANDS WATER DIST, 61-U.S.A.A.F, 42-46, Lt. Econ. Asn; Statist. Asn; Agr. Econ. Asn. Plant location; agriculture; economic development. Publ: Reclamation accomplishments; Economic survey. Address: Westlands Water District, P.O. Box 5222, Fresno, Calif. 93755.

STRASBURG, PROF. LOUIS GLEN, b. Salt Lake City, Utah, Mar. 22, 27; m. 50; c. 3. BUSINESS ADMINISTRATION, ENGINEERING. B.S. Brigham Young, 50; B.S. Utah, 53; M.B.A. Ohio State, 60, Ph.D.(mgt. sci), 62; N.Y. Univ, 61-62. Asst. prof. bus. admin. California, Los Angeles, 62-64; PROF. BUS. ADMIN. & CHMN DEPT. MGT. SCI, CALIF. STATE COL. HAYWARD, 64-; STAFF RESEARCHER MGT. TECH, STANFORD RES. INST, 64- Sr. engr. systs. anal, jet propulsion lab, Calif. Inst. Tech, 63-65. Vis. prof, California, Berkeley, summer 65. U.S.N, 53-62, Lt. Comdr. Inst. Mgt. Sci; Inst. Indust. Eng; Acad. Mgt; Econ. Asn. Productivity in industrial research operations; organization theory; corporate planning and control systems. Publ: Research management, Calif. Inst. Tech, 65; Organization barriers to the process of innovation, Univ. California, 67. Address: Dept. of Management Sciences, California State College at Hayward, Hayward, Calif. 94542.

STRASSBURGER, PROF. R(AYMOND) C(ORNELIUS), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 68.

STRASSMANN, PROF. W(OLFGANG) PAUL, b. Berlin, Germany, July 26, 26; nat; m. 52; c. 3. ECONOMICS. B.A. Texas, 49; M.A. Columbia, 50; Paris, 52; Soc. Sci. Res. Coun. fel, Maryland, 56, Ph.D. 56. Int. econ. analyst, U.S. Dept. Commerce, 50-52; asst, Maryland, 54-55, instr. ECON, 55; MICH. STATE, 56-59, assoc. prof, 59-63, PROF, 63- Grants, Soc. Sci. Res. Coun. & Rockefeller Found, 60-61. U.S.N, 44-46. Econ. Asn; Econ. Hist. Asn. Economic development; economic history; history of economic thought. Publ: Risk and technological innovation; Technological change and economic development, Cornell, 68; Economic growth and income distribution, Quart. J. Econ. Address: Dept. of Economics, Michigan State University, East Lansing, Mich. 48823.

STRASZHEIM, DR. MAHLON REID, b. Lafayette, Ind, Nov. 16, 39; m. 64; c. 2. SOCIAL SCIENCE, ECONOMICS. B.A. Purdue, 61; H.B. Earhart fel, Harvard, 61-62, Ph.D.(econ), 66. ASST. PROF. ECON, HARVARD, 66- Transportation and urban economics; econometrics. Publ: The international airline industry, Brookings Inst, 68. Address: Dept. of Economics, Harvard University, Cambridge, Mass. 02138.

STRATFORD, DR. MICHAEL CHRISTOPHER, b. Staten Island, N.Y., May 29, 40. POLITICAL SCIENCE. B.A. State Univ. N.Y. Binghamton, 62; M.A., Minnesota, 64, Ph.D.(politi. sci), 68. ASST. PROF. POLIT. THEORY, CENTRAL MICHIGAN, 68- Polit. Sci. Asn. Empirical and theoretical analysis and normative consideration of international conflict and war. Address: 433 Prospect Ave, Staten Island, N.Y. 10301.

STRATMON, DR. DAVID L(EANDOR), Polit. Sci, see 10th ed, Soc. & Behav. Vols.

STRATTON, DR. ALBERT J(OHN), b. Edwardsville, Pa, Sept. 25, 26. PSYCHOLOGY. B.A. Bucknell, 49; U.S. Pub. Health Serv. fel, Western Reserve, 54-55, M.A. 56, Ph.D. 58. Psychometrician, State Employ. Serv, Pa, 51-52; asst. psychol, Western Reserve, 52-54; psychologist, Cuyahoga County Tuberc. Hosp, 55-58; Vet. Admin. Hosp, Leech Farm, 58-59; clin. res. PSYCHOL, MED. SCH, PITTSBURGH, 59-62, asst. prof, 62-67, ASSOC. PROF, 67-, CLIN. PSYCHOLOGIST, 62-; CHIEF PSYCHOLOGIST, STAUNTON CLIN, 62- U.S.N, 44-46. Psychol. Asn; Tuberc. Asn. Psychological aspects of tuberculosis and physical disabilities; organic brain damage; mental illness; psychological evaluation of brain damage. Publ: Objective evaluation of a group health education program for tuberculosis patients; Patients' concepts of tuberculosis; observations and implications; Validity of the SRA non-verbal form for adults. Address: Staunton Clinic, 3601 Fifth Ave, Pittsburgh, Pa. 15213.

STRATTON, DR. JOHN RAY, b. Sandwich, Ill, Mar. 12, 35; m. 57; c. 2. SOCIOLOGY. B.A. Illinois, 57, M.A. 59, Ph.D.(sociol), 63. Instr. SOCIOL, Bradley, 61-64; ASST. PROF, IOWA, 64- Sociol. Asn. Criminology; juvenile delinquency. Publ: Co-auth, The prevention of delinquency: problems and programs, Macmillan, 68 & The self-concept: an investigation of test equivalence and perceived validity, Sociol. Quart, summer 68; auth, Differential identification and attitudes toward the law, Soc. Forces, winter 67. Address: Dept. of Sociology, University of Iowa, Iowa City, Iowa 52240.

STRATTON, PROF. OWEN S(COTT), b. Mansfield, Wash, Sept. 25, 10. POLITICAL SCIENCE. A.B. Reed Col, 38; A.M. Stanford, 40, Ph.D. 50. From Jr. admin. analyst to assoc. admin. analyst, U.S. Bur. Budget, 41-42; admin. analyst, Off. Price Admin, 42-43, 46; asst. prof. POLIT. SCI, WELLESLEY COL, 46-51, assoc. prof, 51-58, PROF, 58- Consult, U.S. Dept. State, 51; mem. resources prog. staff, Off. of Secy, U.S. Dept. Interior, 62-63, consult, 65-66, mem. Joint Depts. Agr. & Interior N. Cascades Study Team, 63-65; consult, Fed. Water Resources Coun, 67- U.S.N.R, 43-46, Lt. Comdr. Politics of natural resources development; political behavior. Publ: Co-

auth, Echo Park controversy. Address: Dept. of Political Science, Wellesley College, Wellesley, Mass. 02181.

STRATTON, DR. SAMUEL SOMMERVILLE, b. Lynn, Mass, Feb. 23, 98; m. 25; c. 1. ECONOMICS. B.S. Dartmouth Col, 20; M.S. Harvard, 26, Sheldon fel, 28, Ph.D. 30; hon. LL.D. Vermont, 43, Dartmouth Col, 50. St. Michael's Col, 55, Bowling Green State, 64. Instr. econ, Harvard, 27-30, asst. prof, bus. sch, 30-36, assoc. prof, 36-43; pres. MIDDLEBURY COL, 43-63, EMER. PRES, 63- Spellman Rockefeller fel, 32; Falk Found. Brookings Inst, fel, 34-35; dir. Priorities Rev, War Probd, D.C. 41-43; Tech. Coop. Admin, Saudi Arabia & Yemen, 53. Consult, Bur. Labor Statist, 37-40; Nat. Bur. Econ. Res, 37-40; summer consult, C.V. Starr Found, 60. Mem. Regional War Labor Bd, 44-45. U.S.N.R, 18-19. Econ. Asn. Price economics and corporation finance; educational administration. Publ: Co-auth, Problems in corporation finance, Economics of iron and steel industry & Financial instruments and institutions. Address: Fern Cottage Creek Rd, Rutland, Vt. 05701.

STRAUGHAN, DR. JAMES H(OLMES), b. Cranford, N.J., Aug. 24, 21; m. 53; c. 2. PSYCHOLOGY. B.A. Florida, 48; Ph.D. Indiana, 54. Instr. psychol, Mich. State Col, 53-54; asst. prof, Montana State, 54-57; clin. intern, Vet. Admin. Hosp, Palo Alto, Calif, 57-59; asst. prof. PSYCHOL, Oregon, 59-64; ASSOC. PROF. WEST. WASH. STATE COL, 64- U.S.A.A.F, 42-45; U.S.A., 45-46. AAAS; Psychol. Asn. Psychopathology. Publ: Co-auth, Analysis of a verbal conditioning situation in terms of statistical learning theory, J. Exp. Psychol, Alternation as function of preliminary training and type of deprivation, Science & The behavioral treatment of an elective mute, J. Child Psychol. & Psychiat, 6: 125-130. Address: Dept. of Psychology, Western Washington State College, Bellingham, Wash. 98225.

STRAUMANIS, DR. JOHN J, JR, b. Riga, Latvia, Apr. 22, 35; U.S. citizen; m. 59; c. 1. PSYCHIATRY. B.A. Iowa, 57, M.D. 60, M.S. 64. Intern, Georgetown Univ. Hosp, 60-61; res. psychiat, Iowa, 61-64; staff psychiatrist, U.S. Naval Hosp, Va, 64-66; ASST. PROF. PSYCHIAT, TEMPLE, 66- U.S.N, 64-66, Lt. Comdr. AAAS; Am. Med. Asn; Psychiat. Asn. Human electrophysiology; cerebral evoked responses. Publ: Visually evoked cerebral response changes associated with chronic brain syndromes and aging, J. Geront, 20: 498-506. Address: Eastern Pennsylvania Psychiatric Institute, 3300 Henry Ave, Philadelphia, Pa. 19129.

STRAUS, PROF. MELVIN P(OTTER), b. Chicago, Ill, Sept. 26, 24; m. 48; c. 1. GOVERNMENT. B.S. Illinois, 49, M.A. 50, Ph.D. 59. Instr. polit. sci, N.Dak. State, 50-52; teaching asst, Illinois, 52-55; instr. POLIT. SCI, Texas, 55-57, asst. prof, 57-59; San Jose State Col, 59-61; from assoc. prof. to PROF, TEXAS, EL PASO, 61- Consult, Prentice-Hall Pub. Co. U.S.A., 43-46. Polit. Sci. Asn; Soc. Pub. Admin. Comparative government; British Commonwealth; national defense and security. Publ: Co-auth, North Dakota story: Two can't live as cheaply; auth, The Mexican American in El Paso politics, In: Urbanization in the Southwest, Tex. West. Press, 68. Address: Dept. of Political Science, University of Texas at El Paso, El Paso, Tex. 79999.

STRAUS, PROF. MURRAY A(RNOLD), b. New York, N.Y., June 18, 26; m. 48; c. 2. SOCIOLOGY. B.A. Wisconsin, 48, M.S. 49, scholar, 52-54, Ph.D. 56. Lectr. sociol, Ceylon, 49-52; asst. prof. rural sociol, Washington State, 55-57; Wisconsin, 57-59; assoc. prof. family sociol, Cornell, 59-61; prof. sociol, Minnesota, Minneapolis, 61-68, chmn. div. family soc. sci, 61-64; PROF. SOCIOL, NEW HAMPSHIRE, 68- Vis. res. prof, Univ. Bombay, 64-65; Fulbright sr. res. fel, 65-66; vis. scientist, Am. Sociol. Asn-Nat. Sci. Found, 65-66; vis. prof, Univ. Kentucky, 67. Asst. ed, Sociol. Abstract, 57-59; ed, Articles in Brief, Marriage & Family Living, 60-64; Proc, Nat. Coun. Family Rels, 66-68, mem. bd. dirs, 63-66 & 67-70, chmn. pub. bd, 67-68. U.S.A., 44-46. AAAS; Sociol. Asn. (Britt award, 53); Asn. Asian Studies; Rural Sociol. Soc; Soc. Study Social Probs; Soc. Appl. Anthropol; Royal Asiatic Soc; Indian Sociol. Soc; Indian Psychol. Asn. Sociology of the family; social psychology; research methods and measurement; India, Pakistan and Ceylon; rural sociology. Publ: Co-auth, Sociological analysis: an empirical approach through replication, Harper, 2/68; auth, Family measurement techniques, Univ. Minnesota, 68; Family analysis: readings and replications of selected studies, Rand McNally, 68. Address: Dept. of Sociology, University of New Hampshire, Durham, N.H. 03824.

STRAUS, PROF. ROBERT, b. New Haven, Conn, Jan. 9, 23; m. 45; c. 4. BEHAVIORAL SCIENCE. B.A. Yale, 43, M.A. 45, Ph.D.(sociol), 47. Instr. Yale, 47-48, asst. prof, 48-51, res. assoc. apl. physiol, 51-53; asst. prof. pub. health & pres. med, col. med, State Univ. N.Y., 53-56, assoc. prof, 56; prof. med. sociol, med. center, KENTUCKY, 56-59, PROF. BEHAV. SCI. & CHMN. DEPT. COL. MED, 59- Lectr, sch. alcohol studies, Yale, 48-61. Consult, Nat. Inst. Ment. Health. Staff dir, State Cmn. Health Resources, Conn, 50-51; acting dir, Child Study & Treatment Home, 52-53. Chmn, Coop. Cmn. Study Alcoholism, 61-64; mem. behav. sci. study sect, Nat. Insts. Health, 64-67; cmt. probs. dry dependence, Nat. Acad. Sci-Nat. Res. Coun, 64-; chmn, Nat. Adv. Cmt. Alcoholism, 66- U.S.A. 43-44. Sociol. Asn; Pub. Health Asn; Asn. Am. Med. Cols. Social factors in health and disease; medicine as a system of behavior; institutional dependency; problems of alcohol and drug dependence. Publ: Medical care for seaman, the origin of public medical services in the United States; Drinking in college; co-ed, Medicine and society, Ann. Am. Acad. Polit. & Soc. Sci, 3/63. Address: Dept. of Behavioral Science, Colleges of Medicine & Dentistry, University of Kentucky, Lexington, Ky. 40506.

STRAUSS, DR. A(NSELM) L(EONARD), b. New York, N.Y., Dec. 18, 16. SOCIOLOGY. B.S. Virginia, 39, A.M. 42; Ph.D. Chicago, 45. Instr. Lawrence Col, 44-46; from instr. to asst. prof. SOCIOL, Indiana, 46-52; Chicago, 52-58; PROF. MED. CENTER, CALIFORNIA, SAN FRANCISCO, 60- Sociol. Asn. Social psychology. Publ: Images of the American city, 62 & co-auth, Psychiatric ideologies and institutions, 64, Macmillan; Awareness of dying, Aldine, 65. Address: Dept. of Sociology, University of California Medical Center, San Francisco, Calif. 94122.

- STRAUSS, DR. BERNARD V(ANDERBILT), Psychiat, see 11th ed, Phys. & Biol. Vols.
- STRAUSS, DR. DOROTHY, b. Brooklyn, N.Y., July 23, 10; m. 47; c. 1. SOCIAL PSYCHOLOGY. B.A., Brooklyn Col., 32; M.A., N.Y. Univ., 37, Ph.D., 63. Examiner, New York City Bd. Ed., 59-61; res. asst., N.Y. Univ., 62; instr., 63; assoc. dir., Marriage Counseling Serv., Greater New York, 63-64; instr., Hunter Col., 64; ASSOC. PROF. PSYCHOL., NEWARK STATE COL., 64- Specialized group dynamics, Signal Corps, U.S. Army Ft. Monmouth Signal Sch., N.J., 67- Psychol. Asn; Soc. Clin. & Exp. Hypnosis; Acad. Polit. & Soc. Sci. Psychological aspects of aging; dynamics of group behavior; social and environmental influences upon behavior. Publ: The disadvantaged teacher, N.J. Asn. J., 5/67. Address: 1700 Ditmas Ave, Brooklyn, N.Y. 11226.
- STRAUSS, DR. GEORGE, b. New York, N.Y., June 25, 23. INDUSTRIAL RELATIONS. B.A., Swarthmore Col., 47; Ph.D.(econ), Mass. Inst. Tech., 52. Res. assoc. indust. rels., Cornell, 51-54; from asst. prof. to prof., Buffalo, 54-65; ASSOC. DIR. INST. INDUST. RELS., CALIFORNIA, BERKELEY, 65- U.S.A.A.F., 42-45. Indust. Rel. Res. Asn; Soc. Appl. Anthropol. Soc. Psychol. Study Social Issues. Labor-management and human relations; internal union problems. Publ: Streamlining the union meeting; co-auth., Personnel, 60 & 67 & Human behavior in organizations, 66, Prentice-Hall. Address: Dept. of Business Administration, University of California, Berkeley, Calif. 94720.
- STRAUSS, DR. MILTON E, b. New York, N.Y., Aug. 15, 40; m. 63; c. 1. CLINICAL PSYCHOLOGY. S.B., City Col. New York, 62; A.M., Harvard, 65, Nat. Inst. Ment. Health fel. & Ph.D.(clin. psychol), 67. Res. asst. psychol. inst. develop. studies, N.Y. Med. Col., 63; intern clin. psychol., Mass. Ment. Health Center, 65-66; ASST. PROF. PSYCHOL., MISSOURI, ST. LOUIS, 67- Psychol. Asn. Personality psychology; psychopathology. Address: Dept. of Psychology, University of Missouri, St. Louis, Mo. 63121.
- STRAUSS, DR. WILLIAM L(OUIS), b. Robinson, Tex., Apr. 5, 14; m. 41; c. 2. POLITICAL SCIENCE. A.B., Baylor, 35; A.M., Texas, 36; A.M., Harvard, 38, Ph.D., 48. Asst. state supvr. hist. record proj., Works Proj. Admin, Tex., 39-42; instr., Texas, 42-48; asst. prof. polit. sci., Redlands, 48-49; San Diego State Col., 49-50; Long Beach State Col., 50-53; consult. fund adult ed. & fund for repub., Ford Found., 53-54; res. technician, State Dept. Employ., Calif., 54-56; assoc. prof. POLIT. SCI., NORTHERN ARIZONA, 56-68, PROF., 68- Fulbright lectr., Seoul Nat. Univ., 62-63, exec. dir., U.S. Ed. Cmn., Korea, 63-66. Polit. Sci. Asn. Constitutional law, political parties; nationalism and imperialism. Publ: Co-ed, Outside readings in American government; Joseph Chamberlain and the theory of imperialism; Readings in American national government, Crowell, 64. Address: Dept. of Political Science, Northern Arizona University, Faculty Box 5670, Flagstaff, Ariz. 86001.
- STRAUSZ-HUPÉ, PROF. ROBERT, b. Vienna, Austria, Mar. 25, 03. INTERNATIONAL RELATIONS. A.M., Pennsylvania, 44, Ph.D., 46. Spec. lectr. POLIT. SCI., PENNSYLVANIA, 40-46, assoc. prof., 46-51, PROF., 51-. DIR. FOR. POLICY RES. INST., 55- Polit. Sci. Asn; fel. Royal Geog. Soc. Political geography; demography; social psychology. Publ: Forward strategy for America; co-auth., Building the Atlantic World, Harper, 63; auth., In my time, Norton, 65. Address: Foreign Policy Research Institute, University of Pennsylvania, 133 S. 36th St, Philadelphia, Pa. 19104.
- STRAW, DR. H. THOMPSON, b. Antigo, Wis., Mar. 21, 07; m. 32. GEOGRAPHY. A.B., Hillsdale Col., 30; M.A., Michigan, 34, fel. 35-36, Ph.D.(geog.), 36. Instr. geog., Hillsdale Col., 28-29; jr. high sch., Mich., 30-33; asst. prof. geog., Mid. Tenn. State Col., 36-37, assoc. prof., 37-39; prof., Western Michigan, 39-47; chief African sect. intel. div., U.S. Dept. Army, 47-50; geogr., reconnaissance br., hq., U.S. Dept. Air Force, 50-51, dep. res. & geog., 51-56, dep. & acting chief, photo intel. utilization sect., 56-57, chief, 57-58; RETIRED. Grant-in-aid, U.S. Sci. Res. Coun., 40; Nat. Res. Coun., 41; chief cartog. sect. hist. br., Gen. Staff War Dept., 44-45; lectr., Strategic Intel. Sch., 48-58; summers, vis. prof., George Washington, 45, Mich. State, 46. U.S. Air Force mem., U.S. Bd. Geog. Names, 50-58, chmn., 54-58. U.S.A., 43-45. Fel. AAAS; Asn. Am. Geog.; fel. Geog. Soc.; Nat. Coun. Geog. Ed. Geography of Africa and the South; cartography; photo interpretation; urban geography. Publ: Battle Creek, Michigan: a study in urban geography; Phosphate industry of Tennessee, Econ. Geog.; Population distribution and change in the eastern highland rim plateau of Tennessee, Proc. Am. Sci. Cong. Address: 1213 Stafford Ave, Fredericksburg, Va. 22401.
- STREAM, DR. RICHARD W(ILLIAM), b. Springfield, Ill., July 17, 33; m. 61; c. 2. AUDIOLOGY. B.S., Illinois, 55; U.S. Children's Bur. fel., Vanderbilt, 59-60, M.S., 60. Am. Speech & Hearing Found. fel., Northwestern, 62, Ph.D. (audiol), 64. Res. asst., Northwestern, 62-64; ASST. PROF. AUDIOL., VANDERBILT, 64-; CHIEF AUDIOLOGIST, BILL WILKERSON HEARING & SPEECH CENTER, 64- State mem., adv. coun., Tenn. Bd. Hearing Aid Dispensers, 67- Zenith res. award, Am. Speech & Hearing Found., 61. U.S.A., 56-58, Capt. Speech & Hearing Asn; Acoustical Soc. Am.; Acad. Rehab. Audiol. Hearing sciences; applied clinical research dealing with disorders of the hearing mechanism and processes of audition. Publ: Co-auth., A comparison of two methods of administration of Bekezy type audiometry, J. Audiol. Res., 1: 263-271; auth., An investigation of time-intensity trading function in Meniere's disease, Asha, 6: 398; co-auth., Hereditary low frequency hearing loss, Arch. Otolaryngol., 68. Address: 1114 19th Ave, S, Nashville, Tenn. 37212.
- STREET, DR. DONALD R(AY), b. Gadsden, Ala., Dec. 6, 33; m. 54; c. 1. ECONOMICS. B.S., Auburn, 59, M.S., 61; Ph.D.(agr. econ), Pa. State, 65. Instr. econ, Auburn, 61; resource economist, U.S. Dept. Agr., 63-65; ASST. PROF. ECON., AUBURN, 65- Econ. Asn; Agr. Econ. Asn. Economics of water resource use; micro-economic and macroeconomic theory; statistics; business cycles; economic development, agricultural marketing; economics of recreation enterprises; fee fishing lakes. Publ: Co-auth., Improving vegetable marketing by linear programming, Auburn, 61; auth., Recreation economics—fee fishing in Pennsylvania, 67 & The economics of fee fishing lakes in Pennsylvania, (in press), Pa. State Univ. Address: Dept. of Economics & Business Administration, Auburn University, Auburn, Ala. 36830.
- STREET, ELWOOD (VICKERS), b. Cleveland, Ohio, Nov. 23, 90. SOCIOLOGY. A.B., Western Reserve, 12; A.M., Louisville, 21. Dir., Community Chest, Louisville, Ky., 17-21; Community Coun. & Community Fund, St. Louis, Mo., 21-28; Community Chest, Wash., D.C., 28-34, pub. welfare, 34-39; Community Fund & Community Coun., Richmond, Va., 39-43; Community Chest & Coun., Houston, Tex., 43-47; Bridgeport, Conn., 47-55; prof. soc. serv. inst. church soc. serv., Hartford Sem. Found., 56-59, dir. pub. info., 59-61; staff consult. Health & Welfare Coun. Nat. Capital Area, D.C., 63- Nat. Asn. Social Workers; Acad. Cert. Soc. Workers; Nat. Conf. Soc. Welfare. History of social work; social work administration; community organization; church and community. Publ: Social work administration, 31 & A handbook for social agency administration, 47, Harper; The public welfare administrator, McGraw, 39. Address: 600 Fulton Ave, Falls Church, Va. 22046.
- STREET, PROF. JAMES H(ARRY), b. New Braunfels, Tex., Nov. 17, 15; m. 44; c. 2. ECONOMICS. A.B., Texas, 40, A.M., 47; Ph.D.(econ), Pennsylvania, 53; hon. Sc.D.(econ), Paraguay, 55. Instr. ECON., PENNSYLVANIA, 46-48; asst. prof., Haverford Col., 48-52; asst. prof., RUTGERS, 52-55, assoc. prof., 55-59, PROF., 59- Vis. prof., Paraguay, 55; Smith-Mundt lectr., 55; vis. lectr., univ. in Argentina, 57-58; dir. seminar Argentine students, Rutgers, 59-61, Res. Coun. faculty fel., 62-63; vis. lectr., univ. in Colombia, 64; lectr., ed. TV series, WABC-TV, New York, 64-65; Cent. Am. Soc. Studies Seminars, summers, 65-68; Ford Found. study grant, S. Am., 66; vis. lectr., inst. nutrit. sci., Columbia, 67-68. Econ. specialist, U.S. Dept. State, Buenos Aires, 55 & 57-58. Mem. Nat. Screening Cmt. Fulbright-Hays awards, 67. Econ. Asn; Asn. Evolutionary Econ; Latin Am. Studies Asn. Economic development; cotton mechanization; Latin American economics. Publ: New revolution in the cotton economy; Ideas and issues in the social sciences; co-auth., Urban planning and development centers in Latin America, Rutgers, 67. Address: Dept. of Economics, Rutgers, The State University, 44 College Ave, New Brunswick, N.J. 08903.
- STREET, DR. JOHN M(ALCOLM), b. McIntosh, S.Dak., May 28, 24; m. 60. GEOGRAPHY. B.A., California, 48, Ph.D.(geog.), 60. Teacher GEOG., Far East Prog., California, 55-56, exten., 58-59, asst. prof., Davis, 59; teacher, Far East Prog., Maryland, 56-57; ASST. PROF., HAWAII, 60- Nat. Sci. Found. grants, 64-65 & 67-68. U.S.A., 43-46, Sgt. Asn. Am. Geog. Tropical biogeography in Caribbean and Pacific. Publ: Historical and economic geography of the southwest peninsula of Haiti, Off. Naval Res. Report, 59; Grasslands on the highland fringe in New Guinea, J. Queensland Geog. Soc., 67; co-auth., Soil fertility and cultivation practices in New Guinea, J. Trop. Geog., 6/67. Address: Dept. of Geography, University of Hawaii, Honolulu, Hawaii 96822.
- STREET, DR. KENNETH W(ILLOW), b. Spur, Tex., Jan. 13, 27; m. 50; c. 1. GOVERNMENT, POLITICS. B.S., Tex. Tech. Col., 50, fel., 53-54, M.A., 54; Southern fel., Texas, Austin, 58-59, Ph.D.(govt), 63. Teacher & prin. pub. sch., Tex., 50-53; asst. prof. govt., Wichita, 54-55; asst., Texas, Austin, 55-58; asst. prof., AUSTIN COL., 59-64, assoc. prof., 64-68, PROF. GOVT. & ASST. DEAN SOC. SCI., 68-, chmn. dept. govt., 64-67, chmn. soc. sci. area, 66-68. Summers, Harry S. Truman Library Inst. grant, 60, mem., Am. Polit. Sci. Asn. seminar, 61, vis. prof., Houston, 64, Nat. Sci. Found. grant, 64, admin. asst. to congressman, 65. U.S.A., 45-47. Polit. Sci. Asn. Public law; American government and politics, particularly the Presidency and political parties; constitutional law. Address: Dept. of Government, Austin College, Sherman, Tex. 75090.
- STREET, DR. WARREN ROBERT, b. Alhambra, Calif., Sept. 23, 42; m. 64. PSYCHOLOGY. B.A., Occidental Col., 64; M.A., Claremont Grad. Sch. & Grad. Center, 66, Ph.D.(psychol), 67. ASST. PROF. PSYCHOL., CENT. WASH. STATE COL., 67- Psychol. Asn. Coalition formation in triads; balance models of attitude change. Address: Dept. of Psychology, Central Washington State College, Ellensburg, Wash. 98926.
- STREEVER, DR. DONALD C(COURTNEY), Econ, Mkt, see 10th ed, Soc. & Behav. Vols.
- STREIB, PROF. GORDON F(RANKLIN), b. Rochester, N.Y., July 7, 18; m. 43; c. 4. SOCIOLOGY. B.A., N.Cent. Col., 41; M.S., New Sch. Soc. Res., 47; Soc. Sci. Res. Coun. fel., 50-51; Ph.D.(sociol), Columbia, 54. Asst. bur. appl. soc. res., Columbia, 47-49, SOCIOL., 48-49; instr., CORNELL, 49-53, asst. prof., 53-56, assoc. prof., 56-58, PROF., 58-, chmn. dept., 62-66. Lectr., Rutgers, 47-48; vis. prof., Duke; Fulbright lectr., Nat. Inst. Soc. Res., Denmark, 59-60; Univ. Dublin, 66-67. AAAS; fel. Sociol. Asn; fel. Gerontol. Soc.; Soc. Sci. Study Relig.; Nat. Coun. Family Rels. Family structure and relations; aging and retirement; longitudinal study of effects of retirement; social psychology; social and institutional change. Publ: Co-auth. & ed, Social structure and the family, Prentice-Hall, 65. Address: Dept. of Sociology, Cornell University, Ithaca, N.Y. 14850.
- STREICH, EUGENE R(ALPH), b. Milwaukee, Wis., Mar. 31, 20; m. 47; c. 3. PSYCHOLOGY. Ph.B., Wisconsin, 42; M.Litt., Pittsburgh, 49. Jr. res. engr., Wis. Elec. Power Co., 42; voc. adv., Vet. Admin., 45-48; counsr., Chicago, 48-50, lectr. psychol. & coordinator counseling serv., 51-52, res. assoc. indust. rels., 56-58; asst. prof. psychol., Stetson, 52-56; HUMAN FACTORS SCIENTIST, SYST. DEVELOP. CORP., 58- U.S.A.A.F., 42-45. Psychol. Asn. Human factors in system design; disaster research. Publ: Listening: a handbook for industrial supervisors; co-auth., A study of the adoption-diffusion process for development of shelter in new construction, Syst. Develop. Corp., 68 & The SAGE system training program for the Air Defense Command, Human Factors, 10/64. Address: 2500 Colorado Ave, Santa Monica, Calif. 90404.
- STREIMER, DR. IRVING, Psychol, Biophys, see 11th ed, Phys. & Biol. Vols.
- STREITFELD, DR. JULIAN W(ARREN), b. Bronx, N.Y., Nov. 9, 27; m. 57; c. 2. CLINICAL PSYCHOLOGY. B.B.A., City Col. New York, 51, M.S.Ed., 53; Ph.D., Columbia, 58. Intern clin. psychol., Elgin State Hosp., Ill., 53-54; staff psychologist, Augusta State Hosp., Maine, 54-55, 56, 57; asst. psychol., Teachers Col., Columbia, 56, 57, testing supvr., guid. lab., 57-59; asst. prof. PSYCHOL., HARTFORD, 59-64, ASSOC. PROF., 64- Lectr., C.W. Post Col.

- Long Island, 58-59. Consult, Oak Hill Sch. for Blind, 59-; Hartford Rehab. Center, 63- U.S.A., 46-47. Psychol. Assn. Evaluation of the process of psychotherapy and the role of the psychotherapist. Publ: Expressed acceptance of self and others by psychotherapists, J. Consult. Psychol. Address: 108 Colebrook St, Hartford, Conn. 06112.
- STRETCH, DR. ROGER, b. Gatley, Eng, June 9, 35; m. 59; c. 3. PSYCHOLOGY. B.A. Nottingham, 57; Ph.D.(psychol), Sheffield, 60. Med. Res. Coun. fel. PSYCHOL, Liverpool Sch. Trop. Med, 59-60; lectr, Queen's (Belfast), 60-65; ASSOC. PROF, Alberta, 65-68; WESTERN ONTARIO, 68- Ann. Psychol. Assn. Young Psychologist proj. travel award from Brit. Int. Cong. Psychol. Wash, D.C., 63. AAAS; Brit. Exp. Psychol. Soc; Psychonomic Soc; fel. Brit. Psychol. Soc. Experimental psychology especially operant conditioning and behavioral pharmacology using infra-human primates as experimental subjects; comparative psychology. Publ: Effects of amphetamine and pentobarbitone on exploratory behavior, *Nature*, 63; Methylphenidate and stimulus control of avoidance behavior, *J. Exp. Anal. Behav*, 67; Schedule-control of behavior in squirrel monkeys: effects of methylphenidate, *Psychonomic Sci*, 67. Address: Dept. of Psychology, Middlesex College, University of Western Ontario, London, Ont, Can.
- STREUFERT, PROF. VICTOR B(ERNDT), b. Annonale, Minn, Oct. 1, 26; m. 56; c. 2. SOCIOLOGY. B.S. Concordia Teachers Col.(Ill), 48; B.A. Concordia Theol. Sem, 51; M.A. Washington (St. Louis), 57; Southern Illinois, 60-62. Asst. relig. & sociol, Concordia Teachers Col.(Ill), 52-54, instr. SOCIOL, 57-59, asst. prof, 59-60; asst. Washington (St. Louis), 55-57; Southern Illinois, 60-62; from asst. prof. to ASSOC. PROF, CONCORDIA TEACHERS COL.(ILL), 62- Sociol. Assn; Soc. Sci. Study Relig. Urban sociology; sociology of religion; minority groups. Address: Dept. of Sociology, Concordia Teachers College, River Forest, Ill. 60305.
- STRIBLING, DR. HERMAN A, JR, b. Georgetown, S.C, July 28, 23; m. 47; c. 2. ECONOMICS. B.S. Alabama, 49, M.S. 54; Ph.D.(econ), 67. Asst. to auditor Univ. Alabama, 51-54, acting auditor, 54-55, asst. to comptroller, 55-57, chief acct, 57-59, instr. 59-61; asst. prof. ECON, Ala. Col, 61-63; ASSOC. PROF. EAST TENN. STATE, 63- U.S.A.A.F, 43-45. Econ. Assn. Spanish school of mercantilism. Address: Dept. of Economics, East Tennessee State University, Johnson City, Tenn. 37601.
- STRICKER, PRES. ADAM K, JR, Indust. Econ, see 10th ed, Soc. & Behav. Vols.
- STRICKER, DR. EDWARD M(ICHAE), b. New York, N.Y, May 23, 41; m. 64. PHYSIOLOGICAL PSYCHOLOGY. B.S. Chicago, 60, M.S. 61; M.S. Yale, 62, Ph.D.(psychol), 66. U.S. Pub. Health Serv. fel. physiol, med. center, Colorado, 65-66, biol. med. sch. Pennsylvania, 66-67, instr. physiol, 67; ASST. PROF. PSYCHOL, MCMASTER, 67- AAAS; Psychol. Assn. Physiological and behavioral mechanisms which are involved in the regulation of food intake, water balance, sodium metabolism and body temperature. Publ: Extracellular fluid volume and thirst, 66 & co-auth, Water metabolism of rates in the heat: dehydration and drinking, 68, Am. J. Physiol; co-auth, Behavioral control of intravascular fluid volume: thirst and sodium appetite, *Ann. N.Y. Acad. Sci*, 68. Address: Dept. of Psychology, McMaster University, Hamilton, Ont, Can.
- STRICKER, DR. GEORGE, b. Bronx, N.Y, Nov. 6, 36; m. 60. CLINICAL PSYCHOLOGY. A.B. Chicago, 56; Ph.D. Rochester, 60. Trainee clin. psychol, Vet. Admin, 56-60; asst. lectr. PSYCHOL, Rochester, 59-60, asst. prof. & U.S. Pub. Health Serv. res. fel, 60-61; asst. prof. Goucher Col, 61-63; ADELPHI, 63-64, ASSOC. PROF, 64-, ASST. DIR. INST. ADV. PSYCHOL. STUDIES, 66- Asst. clin. prof, med. center, Cornell, 67- Sr. clin. psychol, Rochester State Hosp, N.Y, 59-60; clin. psychologist, Atascadero State Hosp, 60; Sheppard & Enoch, Pratt Hosp, Baltimore, Md, 62-63. Res. & training consult, State of Calif, 60-61. Psychol. Assn; Soc. Proj. Tech; Int. Asn. Dent. Res. Personality assessment; dentistry; applied psychology. Publ: Co-auth, Patterns of psychopathology, 63 & The study of abnormal behavior, 64, Macmillan. Address: Institute of Advanced Psychological Studies, Adelphi University, Garden City, N.Y. 11530.
- STRICKER, DR. LAWRENCE J(OHN), b. Jamaica, N.Y, Aug. 19, 33. PSYCHOLOGY. B.S. N.Y. Univ, 55, A.M. 57, Ph.D. 61. Res. psychologist, Prudential Ins. Co, 55-58; asst. PSYCHOL, N.Y. Univ, 58-59, U.S. Pub. Health Serv. trainee, res. center human rels, 59-60; RES. ASSOC. ED. TESTING SERV, 60- U.S.A., 50-52. Psychol. Assn; Psychonomic Soc; Soc. Psychol. Study Social Issues. Interplay of personality and socio-psychological variables within the framework of individual differences. Publ: Acquisition and social desirability response styles, item characteristics, and conformity, *Psychol. Reports*, 63; co-auth, An assessment of some structural properties of the Jungian personality typology, *J. Abnorm. & Soc. Psychol*, 64 & Suspicion of deception: implications for conformity research, *J. Personality & Soc. Psychol*, 67. Address: Educational Testing Service, Princeton, N.J. 08540.
- STRICKLAND, DR. BONNIE R, b. Louisville, Ky, Nov. 24, 36. PSYCHOLOGY. B.S. Ala. Col, 58; M.A. Ohio State, 60, U.S. Pub. Health fel, 61-62, Ph.D. (clin. psychol), 62. Res. psychologist, Juvenile Diag. Center, Columbus, Ohio, 58-60; intern psychol, Columbus Psychiat. Clin, 60-61; asst. prof. PSYCHOL, EMORY, 62-68, ASSOC. PROF, 68-, dean women, 64-67. Intern, Vet. Admin. Hosp, Chillicothe, Ohio, 58-60; summer intern, Vet. Admin. Hosp. Palo Alto, Calif, 60. Res. consult, Presby. Church, 67- Psychol. Assn. Personality dynamics. Publ: Co-auth, Conformity under conditions of simulated group pressure as a function of need of social approval, *J. Soc. Psychol*, 58:171-181; auth, Prediction of social action from a dimension of internal-external control, *J. Soc. Psychol*, 66:353-358; Need approval and motor steadiness under positive and negative approval motivation, *Perceptual Motor Skills*, 20:667-668. Address: Dept. of Psychology, Emory University, Atlanta, Ga. 30322.
- STRICKLAND, DR. DONALD ALLEN, b. Tacoma, Wash, Aug. 3, 34. POLITICAL SCIENCE. B.A. Reed Col, 56; M.A. Chicago, 57, J.D. 60, Ph.D.(polit. sci), 62. Res. assoc. law, Am. Bar Found, 60-61; polit. sci, cmt. social thought, Univ. Chicago, 62-63; asst. res. polit. scientist, space sci. lab, California, 63-65; via. asst. prof. POLIT. SCI, Purdue, 65-66, ASSOC. PROF, 66-68; WAYNE STATE, 68- Consult, Rand Corp, 61-64; Stanford Res. Inst, summer 65. AAAS; Polit. Sci. Assn. Group politics; science and government; jurisprudence; political motivation. Publ: Scientists in politics, *Purdue Studies*, 68; co-auth, A primer of political analysis, Markham, 68; auth, Physicists views of space politics, *Pub. Opinion Quart*, summer 65. Address: Dept. of Political Science, Wayne State University, Detroit, Mich. 48202.
- STRICKLAND, DR. J(OHN) F(ORREST), Exp. Psychol, see 11th ed, Phys. & Biol. Vols.
- STRICKLAND, DR. LLOYD H(ERBERT), b. Woonsocket, R.I, July 4, 31; m; c. 1. PSYCHOLOGY. A.B. Hopkins, 53; M.A. North Carolina, 56, Ph.D. 58. Fel. soc. psychol, North Carolina, 58-59, res. asst. prof, 59-60; asst. prof. PSYCHOL, Dartmouth Col, 60-65; ASSOC. PROF, CARLETON (CAN), 65- Psychol. Assn. Small group social psychology; determinants and consequences of perception of causality. Address: Dept. of Psychology, Carleton University, Ottawa 1, Ont, Can.
- STRICKLAND, DR. PERCY LEO, JR, b. Dunn, N.C, May 16, 33; m. 61; c. 2. AGRICULTURAL ECONOMICS. B.S. N.C. State Col, 57; M.S. Okla State, 60, Ph.D. 62. Asst. county agent, N.C. Agr. Exten. Serv, 57-58; res. asst, Okla. State, 58-61; AGR. ECONOMIST, FARM PROD. ECON. DIV, ECON. RES. SERV, U.S. DEPT. AGR, 61- Sig.C, U.S.A., 53-55. Agr. Econ. Assn. Farming adjustment opportunities to meet changing conditions in southern agriculture; aggregate agricultural production adjustments and supply response. Publ: Co-auth, Minimum land requirements and adjustments for specified income levels, southwestern Oklahoma, Okla. Agr. Exp. Sta, 5/63; co-auth, Optimum farm organizations and aggregate area production, limestone valley areas, Alabama, 6/63 & Implications of allotments on optimum farm organizations and supply relationships in two Alabama areas, 10/65, Auburn Univ. Agr. Exp. Sta. Address: Dept. of Agricultural Economics, Oklahoma State University, Stillwater, Okla. 74074.
- STRICKLAND, DR. SHIRLEY W(ILLSON), b. New York, N.Y, Nov. 8, 24. SOCIOLOGY, ANTHROPOLOGY. A.B. Randolph-Macon Woman's Col, 45; M.A. Pennsylvania, 46; Ph.D.(sociol), North Carolina, 56. Instr. soc. sci, Ga. State Col. Women, 46-49, asst. prof, 49-51; acting instr. sociol, Meredith Col, 53-54; asst. prof. SOCIOL. & ANTHROP, RANDOLPH-MACON WOMAN'S COL, 56-61, ASSOC. PROF, 61- Fel, Coop. Prog. Int. Studies, Duke Univ- Univ. North Carolina, 67-68. Sociol. Assn; African Studies Assn. Dominant-minority relations; social stratification; African studies. Address: Dept. of Sociology & Anthropology, Randolph-Macon Woman's College, Lynchburg, Va. 24504.
- STRICKLER, PROF. WOODROW M(ANN), b. Columbia, Pa, Sept. 8, 12. ECONOMICS. B.S. Bucknell, 34, Pd.D. 56; M.B.A. Pennsylvania, 35; Northwestern, 36-38. Instr. ECON, LOUISVILLE, 38-39, asst. prof, 39-42, assoc. prof, 42-54, PROF, 54-, PRES, 68-, dir. dept. coop. ed, 42-43, div. adult ed, 46-52, v-pres, 52-58, exec. v-pres, 58-68. Pub. utility consult. & private practice, Ill. & Pa, 37-46. U.S.N.R, 43-46, Lt. Adult education on the college level; rural electrification authorities and electric cooperatives; Louisville experiment in education by radio. Address: 91 Valley Rd, Louisville, Ky. 40204.
- STRICKON, DR. ARNOLD, b. New York, N.Y, July 19, 30; m. 58. CULTURAL ANTHROPOLOGY. B.A. City Col. New York, 52; M.A. Columbia, 54, Doherty Found. fel. & Ph.D.(anthrop), 60. Asst. prof. soc. anthrop, Nevada, 60-61; ANTHROP, Brandeis, 61-65; ASSOC. PROF, WISCONSIN, 65- U.S.A., 54-56, Res, 56-62. AAAS; Anthropol. Assn; Ethnol. Soc; Soc. Appl. Anthropol; Latin-Am. Studies Assn. Cultural anthropology and application of its methods and theories to Latin America, especially modern communities in South America. Publ: Hacienda and plantation in Yucatan, *Am. Indigena*, 55; The Euro-American ranching complex, In: *Man, culture, and animals*, AAAS, 65; Folk models of stratification, *Social Rev. Monogr*, 67. Address: Dept. of Anthropology, University of Wisconsin, Madison, Wis. 53706.
- STRIETELMEIER, PROF. JOHN H(ENRY), b. Columbus, Ind, Feb. 9, 20; m. 43; c. 3. A.B. Valparaiso, 42; A.M. Northwestern, 47; hon. Litt.D. Concordia Sem, 63; Cambridge, 65-66. From asst. prof. to assoc. prof. geog. & geol, VALPARAISO, 47-58, univ. ed, 58-67, assoc. prof. GEOG, 67-68, PROF, 68- Managing ed, Cresset, 48- U.S.A., 43-46. Asn. Am. Geog. Geographical foundations of national states; geography of religions. Publ: Co-auth, Geography in world society, Lippincott, 63. Address: Dept. of Geography, Valparaiso University, Valparaiso, Ind. 46383.
- STRINER, DR. HERBERT EDWARD, b. Jersey City, N.J, Aug. 16, 22; m. 43; c. 2. ECONOMICS. A.B. Rutgers, 47, M.A. 48; Maxwell fel, Syracuse, 48-50, Ph.D.(econ), 51. Asst. prof. finance, Syracuse, 50-51; int. trade economist, off. chief economist, U.S. Bur. Mines, 51-54; dir. indust. res. prog, Nat. Sci. Found, 54-55; assoc. dir. impacts of for. trade proj, Nat. Planning Assn, Wash, D.C. 55-57; mem. staff, ops. res. off, Hopkins, 57-59; dir, Cmt. Probs. Am. Community, Brookings Inst, 59-61; urban studies prog, Stanford Res. Inst, 61-62; DIR. PROG. MANPOWER ECON, W.E. UPJOHN INST. EMPLOY. RES, 62- Lectr, George Washington, 52. Consult, Nat. Sci. Found, 55-56; chief of staff, U.S. Army, 61; consult, President's Rev. Panel Juvenile Delinquency, 61-64; Mid-Atlantic Manpower Adv. Cmt, U.S. Dept. Labor, 67. U.S.A., 43-46, Lt. Urban problems and economic growth. Publ: Local impacts of foreign trade; co-auth, Civil rights, employment and the social status of American Negroes, Upjohn Inst, 67; auth, Towards a fundamental program for the training, employment and economic equality of the American Indian, Joint Econ. Cmt. U.S. Cong, 68. Address: 4100 Cathedral Ave. N.W., Apt. 408, Washington, D.C. 20016.
- STRING, JOSEPH, JR, b. South Pasadena, Calif, Sept. 6, 26; m. 51. ECONOMICS. A.B. California, Santa Barbara, 50, M.A. Los Angeles, 53. Instr. econ, California, 56-57; asst. prof, Whittier Col, 58-59; SOC. SCIENTIST, MIL. COST ANAL, RAND CORP, 59- U.S.N., 44-46, 50-51, Lt.(jg). Econ. Assn.

Programming, budgeting and cost studies of military systems and forces; economic structure of public education. Address: Rand Corp, Santa Monica, Calif. 90406.

STRINGER, KENNETH W, b. Birmingham, Ky, Feb. 23, 18; m. 41; c. 2. AC-COUNTING. B.S. Bowling Green Col. Commerce, 38. Staff acct, utility reg-ulation, Pub. Serv. Cmn, Ky, 39-39; Haskins & Sells, 39-41; auditor, U.S. War Dept, 41-44; partner PUB. ACCT, Killebrew & Stringer, 46-52; staff acct, HASKINS & SELLS, 52-54, prin, 54-59, PARTNER, 59- U.S.A. 44-46. Statist. Asn. Development of special methods for application of statistical sampling in auditing. Publ: Basic concepts of statistical sampling, J. Ac-countancy. Address: Haskins & Sells, 2 Broadway, New York, N.Y. 10004.

STRIPLING, PROF. ROBERT OLIN, b. Lower Peach Tree, Ala, June 15, 15; m. 40; c. 2. COUNSELING PSYCHOLOGY. B.A.E. Florida, 39, M.A.E. 42; Am. Coun. Ed. scholar, Chicago, summer 42; Ed.D. Columbia, 52. Teacher, high schs, Fla, 39-41; counsr. & teacher, child guid. clin, P.K. Yonge Lab. Sch, FLORIDA, 41-43, instr. geog. & admin. asst, 43-44, counsr. ed, 46, asst. prof. curriculum res, 46-47, from asst. prof. to assoc. prof. ed. psychol. & counseling, 47-55, PROF. COUNSR. ED, 55- Vis. prof. & lectr, Western Michigan, 56; Minnesota, 59, vis. lectr, 61; vis. prof, Utah State, 59; vis. lectr, Alabama, 61; vis. lectr. & consult, Iowa, 61. Consult, U.S. Off. Ed, 58-; Auburn, 61; Peace Corps, 62-; Off. Econ. Opportunity, 66- U.S.N.R., 44-46, Lt. (jg). Fel. Psychol. Asn; Personnel & Guid. Asn (award, 59); Asn. Counsr. Ed. & Supv. (treas, 60-61, pres, 65-66, award, 66); Nat. Voc. Guid. Asn. Higher education; counseling theory and practice; adjustment to col-lege environment; organizational structure for counseling and student per-sonnel services in public schools and higher education. Publ: Co-auth, Coun-seling, a growing profession, Am. Personnel & Guid. Asn, 65 & Guidance services in the public schools; auth, What can colleges do? Address: 2260 N.W. 11th Ave, Gainesville, Fla. 32601.

STROBEL, EDWARD O(TTO), b. Philadelphia, Pa, Nov. 2, 12; m. 48; c. 1. STATISTICS, ECONOMICS. A.B. Pennsylvania, 36, A.M. 37; Gottingen, 37-38; Paris, 38-39. Econ. analyst, U.S. Off. Mil. Govt, Germany, 46-48; instr. statist, Seton Hall, 48-49; statistician, Dept. Econ. & Soc. Affairs, UN, 49-67; DIR. STATIST. SERV. RINFRET-BOSTON ASSOCS, INC, 67- Consult, UN Tech. Asst. Admin. Govt. of Colombia, 53. U.S. Maritime Serv, 41-43, Ens. Statist. Asn; Econ. Asn; Nat. Asn. Bus. Econ. Economic and mathematical statistics; international economics. Address: 58-39 Bell Blvd, Bayside, N.Y. 11364.

STROBEL, DR. MICHAEL GUSTAV, b. Amberg, Germany, May 31, 27; Can. citizen; m. 60; c. 2. PSYCHOLOGY. Dipl. Munich, 52; M.A. Toronto, 64, Ph.D. (psychol), 66. Dir. prog, Can. Ment. Health Asn, 60-62; head dept. PSYCHOL, St. Mary's (N.S.), 66-68; ASST. PROF, INST. PSYCHOL, MON-TREAL, 68- Asst. prof, Dalhousie, 66-68. AAAS; Psychol. Asn; Comput. Soc. Can. Computer application to behavioral research; radiation effects on ontogenesis of behavior; statistical analysis. Publ: Radiosensitive periods, Can. J. Psychol, 67; Ontogeny of the approach response, J. Comp. & Physiol. Psychol, 68. Address: Institute of Psychology, University of Montreal, Mon-treal, Que, Can.

STRODTBECK, PROF. FRED L(OUIS), b. Middletown, Ohio, June 10, 19. SOCIOLOGY. A.B. Miami (Ohio), 40; A.M. Indiana, 42; Ph.D. Harvard, 50. Asst. prof. sociol, Yale, 50-53; assoc. prof, law sch, CHICAGO, 53-56, SO-CIOL. & PSYCHOL, 57-68, PROF, 68- Vis. lectr, Michigan, 56-57; fel, Center Adv. Study Behav. Sci, 59-60; rep. to Inter-Am. Soc. Psychol. & head, Inter-Univ. Inst. Res. Soc. Sci, Merida, Yucatan. Consult, child health & human develop. prog, Nat. Insts. Health; Vet. Admin. & family studies sect, Ill. State Ment. Health Center, Chicago; sci. adv, Gateways Hosp, Los An-geles; consult. ed, Revista Interamericana de Psicologia. Mem, ment. health bd. sci. counsr, Nat. Inst. Ment. Health. U.S.A., 42-45, Capt. Sociol. Asn; Anthropol. Asn; Psychol. Asn; Statist. Asn; Biomet. Soc; Inst. Math. Statist. Social psychology; cross-cultural research; sex-role identity; small group and family studies. Publ: Co-auth, Variations in value orientations, Row, Peterson & Co, 51, Talent and society, Van Nostrand, 58 & Group pro-cess and gang delinquency, Univ. Chicago, 65. Address: Dept. of Sociology, 1126 E. 59th St, University of Chicago, Chicago, Ill. 60637.

STROEBEL, DR. CHARLES FREDERICK, III, Neurophysiol, Psychol, see 11th ed, Phys. & Biol. Vols.

STROESSLER, DR. JOHN H(ENRY), b. Axtell, Kans, May 29, 12; m. 43; c. 1. EDUCATIONAL PSYCHOLOGY. B.M. Washington (Seattle), 34, M.A. 46; Ed.D. Stanford, 49. Teacher, pub. schs, Wash, 34-47; asst. prof. ed, San Francisco State Col, 49-51; psychologist, U.S. Navy Electronics Lab, 51-55, suprvy. psychologist, 55-57; sr. res. engr, personnel subysys, Gen. Dynam-ics/Astronautics, 57-58, asst. supvr, 59-60, supvr. maintainability anal, 60-65; SUPVR. BEHAV. SYSTS, AUTONETICS DIV, N.A.M. ROCKWELL, 65- Assoc. Washington (Seattle), 45-47; asst, Stanford, 49. Chmn, Baha'i Nat. Adv. Cmt. on Ed, 65- U.S.A., 42-45. Psychol. Asn; Human Factors Soc. Medical and other social systems; human factors in man-machine systems; manpower allocation and position equipment analysis for aerospace systems. Publ: Visual reinforcement of auditory cues; Unit proficiency system for WS107A-1 Atlas; Sonar display analysis. Address: 2017 263rd St, Lomita, Calif. 90717.

STROHBEHN, DR. ROGER, b. Reinbeck, Iowa, Jan. 20, 32; m. 59. AGRICUL-TURAL ECONOMICS. B.S. Iowa State, 54, M.S. 59; Ph.D. (agr. econ), Illi-nois, 65. Agr. economist, ECON. RES. SERV. U.S. DEPT. AGR, 59-66, LEADER N.CENT. RESOURCE GROUP, 67- U.S.A.F. 54-57, 1st Lt. Econ. Asn; Agr. Econ. Asn. Regional economic development, especially the role of natural re-sources in economic growth. Publ: Externalities and their effect on income distribution, N.C. State, 66; A graphic summary of farm tenure, In: U.S. cen-sus of agriculture: 1959, U.S. Dept. Commerce, 62; Resource productivity and income distribution, Bull. Univ. Illinois, 66. Address: Economic Research Service, U.S. Dept. Agriculture, 303 Manly Miles Bldg, 1405 S. Harrison Rd, East Lansing, Mich. 48823.

STROHL, COMDR. MITCHELL PHINEAS, Int. Law, Polit. Science, see 10th ed, Soc. & Behav. Vols.

STROM, DR. HAROLD K, b. Brooklyn, N.Y., Jan. 21, 30; m. 51; c. 3. TRANS-PORTATION. B.A. Washington (Seattle), 57, M.B.A. 58; Ph.D. (transporta-tion), California, Los Angeles, 64. Asst. prof. mkt. & transportation, Calif. State Col. Los Angeles, 60-64; vis. asst. prof. TRANSPORTATION, grad. sch. bus. admin, California, Los Angeles, 64-65; ASSOC. PROF. GRAD. SCH. MGT. & BUS, OREGON, 65- U.S.A., 50-54, Sgt. Transportation and physical distribution, particularly in the area of international transportation. Publ: Some aspects of state regulation of motor carriers, Res. Report No. 6, Seattle Transportation Adv. Coun. Wash, 64; Competition in the air: a look at IATA and international air commerce, Transportation Center Monogr, Southern California, 67; The common market and discrimination in trans- portation, Transportation J, Vol. 6, No. 2. Address: Graduate School of Management and Business, College of Business Administration, University of Oregon, Eugene, Ore. 97403.

STROM, PROF. ROBERT DUANE, b. Chicago, Ill, Jan. 21, 35; m. 62; c. 1. PSYCHOLOGY. B.S. Macalester Col, 58; M.A. Minnesota, 59; Ph.D. (ed. psychol), Michigan, 62. Instr. ed. psychol, Connecticut, 62-63; asst. dir. sch. dropout proj, Nat. Ed. Asn, 63-64; assoc. prof. ed. psychol, OHIO STATE, 64-67, PROF. CHILD DEVELOP, 67- Danforth scholar award, 65-68; lect, NATO Sch. Univ. Ankara, 67. U.S.A.F. 52-56, Sgt. Psychol. Asn; Ed. Res. Asn. Disadvantaged children and teacher behavior. Publ: Co-auth, Mental health and achievement, Wiley, 65; auth, The inner city classroom: teacher be-haviors, C.E. Merrill, 66; Psychology for the classroom, Prentice-Hall, 68. Address: 1945 N. High St, Columbus, Ohio 43201.

STROMAN, DR. DUANE F, b. Fostoria, Ohio, Mar. 8, 34; m. 58; c. 3. SOCI- OLOGY. B.A. Ohio Wesleyan, 56; S.T.B. Boston, 59, Ph.D. (sociol), 66. ASSOC. PROF. SOCIOL. & CHMN. DEPT. JUNIATA COL, 63- Consult, planning cmn, Huntingdon County, Pa. 66-68. Sociol. Asn. Medical soci-ology; racial minorities. Address: Dept. of Sociology, Juniata College, Hun-tingdon, Pa. 16653.

STROMBERG, CHARLES E(RNST), Clin. & Counseling Psychol, see 10th ed, Soc. & Behav. Vols.

STROMMEN, DR. MERTON P, b. Calumet, Mich, Mar. 31, 19; m. 44; c. 5. PSYCHOLOGY. B.A. Augsburg Col, 42, B.Th. 44; M.A. Minnesota, 56, Ph.D. (psychol), 60. Pastor, Augsburg Col, 47-56; DIR. RES. CHURCH YOUTH RES, 58- Personnel & Guid. Asn; Psychol. Asn. Survey research; con-struction of inventory scales; counseling approaches. Publ: Profiles of church youth, Concordia, 63; ed, Review of research in religious develop-ment, Meredith, 69; auth, Religious education and prejudice, Relig. Ed, 67. Address: 122 W. Franklin, Minneapolis, Minn. 55404.

STROMSDORFER, DR. ERNST WALTER, b. St. Louis, Mo, June 12, 34; m. 57; c. 4. ECONOMICS. A.B. Washington (St. Louis), 58, Woodrow Wilson fel, 58-59, Ph.D. (econ), 62; M.A. Illinois, 59. Lectr. & res. assoc. ECON, Wis-consin, 62-64, vis. asst. prof, summer 65; asst. prof, Tennessee, 64-65; PA. STATE, 65-67, ASSOC. PROF, 67- Reader & expert consult, U.S. Off. Ed, 66-; consult, Stanford Res. Inst, 67. U.S.A., 54-56. Econ. Asn; Indust. Rels. Res. Asn. Labor markets and wage theory; investments in human re-sources. Publ: The feasibility of worker readaptation to structural dis-placement, Indust. & Labor Rels. Rev, 1/65; co-auth, An analysis of the comparative costs and benefits of vocational versus academic education in secondary schools, Preliminary Report Proj. Report O.E. 512, U.S. Dept. Health, Ed. & Welfare, 10/67; co-auth, Government retraining of the un-employed: expected rates of return and net expected capital value increases, In: Retraining the unemployed: case studies of the current experience, Univ. Wisconsin, 67. Address: Dept. of Economics, Pennsylvania State University, University Park, Pa. 16802.

STROMSEM, DR. KARL E(RNEST), b. San Pedro, Calif, Sept. 22, 07; m. 40; c. 4. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A. Pomona Col, 30; fel, California, 33-34, Ph.D. (polit. sci), 35. Instr. soc. sci, Compton Jr. Col, 35-37; asst. ed. dir, Nat. Inst. Pub. Affairs, 37-43, ed. dir, 45-49; chief training br, div. personnel mgt, Off. of Secy, U.S. Dept. Interior, 49-63; PROF. PUB. ADMIN, GEORGE WASHINGTON, 63-, CHMN. DEPT, 66-, dir, Navy Grad. Financial Mgt. Prog, 63-66. Lectr, American Univ, 37-43, adv. prof, 46-49; lectr, George Washington, 41-43, prof. lectr, 49-63, adv. govt. intern scholarships, 49-56; res. asst, Soc. Sci. Res. Coun, 38. Spec. exam, U.S. Civil Serv. Cmn, 40. Consult, Adj. Gen. Sch. Army Admin, 43; U.S. Dept. Commerce, 49. Meritorious serv. award, U.S. Dept. Interior, 63. U.S.N.R., 43-46, Lt. Polit. Sci. Asn; Acad. Polit. & Soc. Sci; Soc. Pub. Adm-in; Soc. Personnel Admin; Pub. Personnel Asn. Publ: Work of the Na-tional Institute of Public Affairs, 1934-49; An appraisal of departmental management training in the Department of the Interior, 5/62; ed, Study and analysis of the curriculum of the Navy Graduate Financial Management Program; 7/65. Address: 5217 Cammack Dr. N.W., Washington, D.C. 20016.

STROMSTA, PROF. COURTNEY P, b. Muskegon, Mich, Apr. 25, 22; m. 50; c. 2. SPEECH, AUDIOLOGY. B.S. Western Michigan, 48; M.A. Ohio State, 51, Ph.D. (speech & hearing sci), 56. Sr. audiol. trainee, Vet. Admin, Walter Reed Hosp, Silver Spring, Md, 51; dir. speech & hearing clin, E. Carolina Col, 54-56; asst. prof. SPEECH & HEARING SCI, OHIO STATE, 56-61, ASSOC. PROF, 61- Nat. Insts. Health res. grant, 57-63. Consult, Elec-tronic Teaching Labs. & Nat. Insts. Health. Speech & Hearing Asn; Acous-tical Soc; Biophys. Soc. Interdependence of the physical attributes of speech and hearing and the development of electronic instrumentation. Publ: Experimental blockage of phonation by distorted sidetone & A continuously-variable 360-degree phase shifter, J. Speech & Hearing Res; Delays asso-ciated with certain sidetone pathways, J. Acoustical Soc. Am. Address: Dept. of Speech, College of Social & Behavioral Sciences, Ohio State University, Columbus, Ohio 43210.

STROMWALL, G(ERTRUDE) EVA LINNEA, b. Westborough, Mass, July 23, 11. PSYCHOLOGY. A.B. Radcliffe Col, 33; M.A. Columbia, 34. Psychome-trist, Walter E. Fernald State Sch, Mass, 34-38; PSYCHOLOGIST, METROP. STATE HOSP, 38- Consult. psychologist, Baldpate, Mass, 42-45; Cath. Boys Guid. Center, 48-51. Psychol. Asn; Acad. Relig. & Ment. Health; Int. Coun. Psychol. Rorschach and Thematic Apperception Test; applications in clini-cal settings; psychotherapy. Address: Metropolitan State Hospital, Waltham, Mass. 02154.

STRONG, PROF. DONALD J. b. Franklerville, N.Y., Dec. 11, 28; m. 56; c. 2. PSYCHOLOGY. A.B. Houghton Col, 50; M.A. Michigan, 51; Ph.D. (counseling psychol.), Denver, 59. Col. counsr., Denver, 56-57, asst. to dean students, 57-59; asst. prof. psychol., San Francisco State Col, 59-63; PROF. PSYCHOL. & DIR. COUNSELING SERV., CALIF. STATE COL. HAYWARD, 63-Participant, Danforth Found. Seminar, summer 60; co-dir. res. proj., Off. Voc. Rehab, 60-61. U.S.A.F., 51-56, 1st Lt. Psychol. Assn. Measurement and exploration of the self concept; investigation of the counseling process; dimensions and characteristics of personality. Publ: Co-auth., Measurement of the self concept, 61, auth., A factor analytic study of several measures of self concept, 62 & co-auth., Perceptions of the counselor role, 65, J. Counseling Psychol. Address: Dept. of Psychology, California State College at Hayward, Hayward, Calif. 94542.

STRONG, PROF. DONALD (STUART), b. New York, N.Y., Dec. 31, 12; m. 40; c. 3. POLITICAL SCIENCE. A.B. Oberlin Col, 34; Ph.D. Chicago, 39. Instr. Western Reserve, 37-39; Texas, 39-46; asst. prof. POLIT. SCI., ALABAMA, 46-49, assoc. prof., 49-52, PROF., 52- Polit. Sci. Assn. United States political parties; American legislative bodies; Southern politics. Publ: Organized Anti-Semitism in America; Registration of voters in Alabama; Urban Republicanism in the South, Univ. Alabama Bur. Pub. Admin, 60. Address: 525 35th Ave. E., Tuscaloosa, Ala. 35401.

STRONG, PROF. EARL P(OE), b. Loudonville, Ohio, June 19, 10. BUSINESS MANAGEMENT. A.B. Rider Col, 30; B.S. Indiana Univ. Pa, 34; A.M. Ohio State, 37; Ph.D. N.Y. Univ, 43. Head commercial dept, high sch, N.J., 34-37; bus. teacher-training dept, Iowa, 37-40; dept. bus. pub. schs, D.C., 40-41; sr. training consult, U.S. Civil Serv. Cmn, 41-42; res. agent bus. ed, U.S. Off. Ed, 42-45; dir. utilization dept, Remington Rand, Inc., N.Y., 46-48; PROF. bus. admin, Illinois, 48-54; MGT., PA. STATE, 54-, ASST. DEAN & DIR. EXEC. MGT. PROG., 61- Ed. consult, Nat. Soft Drink Bottlers, 60; training consult, Buick Div, Gen. Motors Corp, 66- Distinguished alumnus award, Rider Col, 67. Mgt. Assn. Business management and education; records management. Publ: The management of business, 65 & A concept of management, 65, Harper; co-auth., Managerial control models, Holt, 68. Address: 124 Boucke Bldg, Pennsylvania State University, University Park, Pa. 16802.

STRONG, DR. HELEN M(ABEL), Geog, see 10th ed, Soc. & Behav. Vols.

STRONG, PROF. JEROME CULTON, b. Grinnell, Iowa, Nov. 23, 25; m. 48; c. 2. ECONOMICS. B.A. Grinnell Col, 48; M.S. Wisconsin, 49; London Sch. Econ, 49-50; Ph.D. (econ), Columbia, 61. Res. asst. anti-trust, Twentieth Century Fund, 52-56; instr. econ, Princeton, 57-59; res. assoc. patents, Patent, Trademark & Copyright Found, 59-60; instr. ECON, Colgate, 60-65; assoc. prof. HARTWICK COL, 65-68, PROF., 68- U.S.N., 43-46. Econ. Assn. Product diversification. Publ: Patents and executive decisions, Patent, Trademark & Copyright J, 60. Address: Dept. of Economics, Hartwick College, Oneonta, N.Y. 13820.

STRONG, PROF. PASCHAL NIELSON, JR, b. Morgantown, W.Va, Nov. 17, 28; m. 49; c. 4. PSYCHOLOGY. A.B. Washington (St. Louis), 50; Ph.D. Tennessee, 55. Vet. Admin. psychol. trainee, 54-56; psychologist, Durham Vet. Admin. Hosp, N.C., 56-58; asst. prof. pediatr. neurol., Bowman-Gray Sch. Med, Wake Forest Col, 58-59; human factors specialist, Martin Co, Md, 59-60; assoc. prof. PSYCHOL., Tex. Tech. Col, 60-66; PROF. SOUTH FLORIDA, 66- Ed. Aid Mag, 61-; dir. behav. sci. div. Found. Int. Res. & Develop, 61-; v-pres, Int. Int. Res. & Develop, 62- Psychol. Assn. Physiological and comparative psychology; learning theory; human factors. Publ: Activity in the white rat as a function of apparatus and hunger & Memory for object discrimination in the rhesus monkey, J. Comp. & Physiol. Psychol; Effects of age, education and brain damage on a learning digit symbol test, Am. Med. Assn. Arch. Gen. Psychiat. Address: Dept. of Psychology, University of South Florida, Tampa, Fla. 33620.

STROOP, DEAN J(OHN) RIDLEY, b. Murfreesboro, Tenn, Mar. 21, 97; m. 21; c. 3. PSYCHOLOGY. B.S. Peabody Col, 23, A.M., 25, Ph.D. (psychol.), 33. Researcher, State Ed. Cmn, Tenn, 33-34; prin. high sch, Tenn, 35-36; prof. psychol. & head dept, David Lipscomb Col, 36-64, prof. Bible, 64-67; DEAN & REGISTR., OHIO VALLEY COL, 67- Group judgment; interference. Publ: Why do people not see the Bible alike? 49, The Bible in context, 63 & Restoration ideas on church organization, 66, privately published. Address: Ohio Valley College, Box 4278, Parkersburg, W. Va. 26101.

STROTHER, PROF. CHARLES RIDDELL, b. Yreka, Calif, Oct. 4, 07; m. 35; c. 2. PSYCHOLOGY. B.A. Washington (Seattle), 29, M.A., 32; Ph.D. (psychol.), Iowa, 35. Asst. prof. speech path, Washington (Seattle), 35-39; assoc. prof. speech path. & clin. psychol, Iowa, 39-47; PROF. PSYCHOL, GRAD. SCH. & CLIN. PSYCHOLOGIST, SCH. MED, WASHINGTON (SEATTLE), 47- DIR. MENT. RETARDATION & CHILD DEVELOP. CENTER, 63- Vis. prof, Pa. State, 39; Emory, 45; Oregon, 51. Chief psychologist, univ. psychopath. & gen. hosps, Iowa, 41-47. Consult. Vet. Admin, 47-; Nat. Inst. Ment. Health, Nat. Insts. Health, 55-; United Cerebral Palsy, 55-58; Am. Found. Blind, 54. Counsr, Nat. Soc. Crippled Children, 45- Chmn, West. Coun. Ment. Health, 59-60; mem, Nat. Adv. Cmt. on Handicapped Children, U.S. Off. Ed, 67-; Tech. Rev. Cmt. U.S. Pub. Health Serv. Regional Off, 67- Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Assn. Speech pathology; psychopathology; brain injury; mental retardation. Address: Mental Retardation & Child Development Center, University of Washington, Seattle, Wash. 98105.

STROTHER, PROF. GEORGE B, b. Kansas City, Mo, May 4, 18; m. 45; c. 3. PSYCHOLOGY. A.B. Missouri, 38, M.A., 39; Ph.D. (psychol.), Indiana, 42; hon. LL.D. Northland Col, 60. Head counseling bur, Missouri, 46-47; asst. prof. psychol, Duluth br, Minnesota, 47-51, head dept, 49-51; acad. v-pres, Northland Col, 53-57; PROF. MGT, WISCONSIN, 57-, VICE CHANCELLOR UNIV. EXTEN, 66- U.S.N., 42-45, 51-53, Res, 53-, Capt. AAAS; Psychol. Assn. Acad. Mgt; Soc. Training & Develop. Organizational behavior; personality; personnel psychology. Publ: Ed, Social science approaches to business behavior; auth., Individual performance and corporate purpose; co-auth., The social science of organization, Prentice-Hall, 63. Address: University Extension, University of Wisconsin, 432 N. Lake, Madison, Wis. 53706.

STROTHER, PROF. WILLIAM F(RANKLIN), Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.

STROTZ, DEAN ROBERT H(ENRY), b. Aurora, Ill, Sept. 26, 22; m. 46; c. 5. ECONOMICS. A.B. Chicago, 42, Ph.D. (econ), 51. Instr. ECON, NORTHWESTERN, 47-51, asst. prof, 51-52, assoc. prof, 52-58, PROF., 58-, DEAN, COL. ARTS & SCI, 66- Managing ed, Econometrica, 53- U.S.A., 43-45. Econ. Assn; Statist. Assn; fel. Economet. Soc; Inst. Mgt. Sci; Royal Econ. Soc. Welfare economics; utility theory; econometrics. Publ: An electro-analog method for investigating problems in economic dynamics & Goodwin's nonlinear theory of the business cycle, Econometrica; Cardinal utility, Am. Econ. Rev. Address: College of Arts & Sciences, Northwestern University, Evanston, Ill. 60201.

STROUD, PROF. JAMES B(ART), Psychol, see 10th ed, Soc. & Behav. Vols.

STROUD, JOHN M, b. Holton, Kans, Nov. 2, 13; m. 43; c. 4. OPERATIONS RESEARCH. Ph.B. Washburn Col, 34; M.A. Stanford, 48. Soc. serv. worker, Fed. Emergency Relief Admin, 34-36; x-ray physicist, Kelley Koch X-ray Corp, 36-38; engr, Gen. Elec. X-ray Corp, 38-40; mem, Civilian Tech. Corps R.A.F., 40-43; res. psychologist, Naval Electronics Lab, 48-57; consult, Honeywell, Chance Vought, 59-62; OPERS. ANALYST, Pac. Missile Range, 62-64; NAVAL MISSILE CENTER, 64- Sanit. C. U.S.A., 43-45, Capt. Asn. Comput. Mach. Nature of psychological time; decision. Address: 821 N. Signal, Ojai, Calif. 93023.

STROUP, PROF. ATLEE L(aVERE), b. U.S., Nov. 3, 18; m. 44; c. 4. SOCIOLOGY. B.S. Kent State, 42; M.A. Ohio State, 46, Ph.D. (sociol.), 50. Instr. SOCIOL, COL. WOOSTER, 48-50, asst. prof, 51-54, PROF. & CHMN. DEPT., 55- Distinguished alumnus award, Kent State, 56. Sociol. Assn; Asn. Marriage Counsr; Nat. Coun. Family Rels. Social psychology. Publ: Marriage and family: a developmental approach, Appleton, 66; Predicting marital success or failure in an urban population, Am. Soc. Rev; Marital adjustment of the mother and the personality of the child, Marriage & Family Living. Address: 1636 Gasche St, Wooster, Ohio 44691.

STROUP, DEAN HERBERT H(EWITT), b. Philadelphia, Pa, May 1, 16. SOCIOLOGY. B.A. Muskingum Col, 37; B.D. Union Theol. Sem, 40; D.Soc.Sc., New Sch. Soc. Res, 42. Assoc. prof. SOCIOL. & ANTHROP, BROOKLYN COL, 42-54, PROF., 54-, CHMN. DEPT. STUDENT SERV. & DEAN STUDENTS, 54- Consult, Danforth Found. Mem. bd. trustees, Ripon Col; bd. dirs, Bd. Homeland Ministries, United Church Christ, cmn, div. health & welfare; mem. prog. bd, div. overseas ministries, Nat. Coun. Churches, chmn. dept. higher ed; chmn, Nat. Admin. & Policy Cmt, Christian Faith & Higher Ed. Projs; head study team, Church World Serv, 59. Religion; student personnel work. Publ: Bureaucracy in higher education, Macmillan, 66; Church and state in confrontation, Seabury, 67; Four religions of Asia, Harper, 68. Address: Dept. of Student Services, Brooklyn College, Brooklyn, N.Y. 11210.

STROUP, DR. ROBERT H, b. Wapello, Iowa, Aug. 23, 23; m. 48; c. 2. ECONOMICS, STATISTICS. A.B. Iowa, 47, M.A., 49, Ph.D., 53. Instr. econ, Ft. Hays, Kans. State Col, 49-51; Iowa, 51-53; asst. prof. statist, Bowling Green State, 53-54; ECON. & STATIST, KENTUCKY, 54-56, ASSOC. PROF., 56-, ASST. DIR. BUR. BUS. RES, 57- Statistician, U.S. Agency Int. Develop, Vietnam, 63-65. Consult, Ohio Oil Co, 54; Int. Bus. Mach. Corp, 57; Agency Int. Develop, 65-68. U.S.N.A.F., 43-45, Res, 45-57, Ens. Econ. Assn. Applied economics and statistics; economic development. Publ: Rural income expenditure—sample survey of Vietnam, U.S. Opera. Mission, Vietnam, 7/65; co-auth., Analysis of income and expenditure patterns in rural South Vietnam, West. Econ. J, 12/67. Address: Dept. of Economics, University of Kentucky, Lexington, Ky. 40506.

STROUT, DR. ALAN MAYNE, b. Brooklyn, N.Y., Oct. 3, 26; m. 56. ECONOMICS. B.S. Cornell, 48; M.A. Chicago, 55, Ph.D. (planning), 67. Petrol. engr, Creole Petrol. Corp, 48-52; tech. assoc. econ. proj, Harvard, 56-62; int. economist, policy planning div, U.S. AGENCY INT. DEVELOP., 62-66, CHIEF PROG. POLICY DIV, 66- Alternate U.S. mem. expert group on uses of quant. anal. tech. develop. assistance cmt, Orgn. Econ. Coop. & Develop, 64; proj. tech. consult, UN Cmt. Trade & Develop, 66-67. U.S.N., 44-46. Econ. Assn; Economet. Soc; Soc. Int. Develop. Structural change during economic development; projection of foreign aid requirements; foreign aid policy; planning and programming economic growth; United States balance of payments impact of foreign aid; technological change. Publ: Primary employment effects of alternative spending programs, Rev. Econ. & Statist; co-auth., Foreign assistance and economic development, Am. Econ. Rev, 9/66 & Impact of foreign aid on U.S. Exports, Harvard Bus. Rev, 1-2/68. Address: 5102 Baltimore Ave, Washington, D.C. 20016.

STROUTS, PROF. ANDREW, Psychol, see Suppl. V to 11th ed, Phys. & Biol. Vols.

STRUBLE, DR. FREDERICK M, b. Wichita, Kans, Jan. 23, 33; m. 57; c. 2. ECONOMICS. B.S. Kansas, 55; Ph.D. (econ), Colorado, 65. FINANCIAL ECONOMIST, FED. RESERVE BANK KANSAS CITY, 61- U.S.A., 55-57, 1st Lt. Econ. Assn. Monetary theory and policy; banking and financial market conditions. Publ: Term structure of interest rate controversy, Monthly Rev, Fed. Reserve Bank Kansas City, 1/66. Address: Federal Reserve Bank of Kansas City, Kansas City, Mo. 64198.

STRUHSACKER, DR. THOMAS THANE, b. Lansing, Mich, May 14, 38. ANIMAL BEHAVIOR & ECOLOGY. B.S. Mich. State, 60; Ph.D. (zool.), California, Berkeley, 65. Nat. Insts. Health fel. ANIMAL BEHAV, California, Berkeley, 65-66; ASST. PROF., ROCKEFELLER UNIV, 66-; RES. ZOOLOGIST, N.Y. ZOOLOG. SOC, 66- Communication, social organization, and ecology of mammals and birds; African cercopithecines. Publ: Behavior of Vervet monkeys, Univ. California Pub. Zool, 67; Behavior of elk (Cervus canadensis) during the rut, Zeitschrift für Tierpsychologie, 67; Social structure among Vervet monkeys (Cercopithecus aethiops), Behaviour, 67. Address: Rockefeller University, New York, N.Y. 10021.

- STRUM, DR. THEO, b. Roxboro, N.C., Dec. 1, 24. EDUCATIONAL PSYCHOLOGY. EDUCATION. A.B. Elon Col, 45; M.Ed. North Carolina, Greensboro, 54; Ph.D.(ed), North Carolina, Chapel Hill, 65. Teacher, Bartlett Yancey Sch, N.C., 52-56; high sch, 56-58, asst. prin, 58-63; PROF. ED. & PSYCHOL, ELON COL, 64-, ASSOC. DEAN, 68-, dean women, 64-68. Student personnel; school persistence. Address: Box 2117, Elon College, Elon College, N.C. 27244.
- STRUNING, DR. WILLIAM CHARLES, b. Brooklyn, N.Y., May 17, 22; m. 46; c. 1. ECONOMICS, MARKETING. A.B. Columbia, 46; M.S. Stevens Inst. Tech, 55; Ph.D.(econ, mkt, mgt), N.Y. Univ. 62. Mem. for. credit staff, First Nat. City Bank New York, 45-46; sales rep, Linen Thread Co, 46-51; field serv. engr, Terco Prods, 51-56; prod. planning coordinator, Automatic Canteen Corp, 56-58; asst. dir. res, Pan-Am. Coffee Bur, 58-59; instr. bus. admin, Fairleigh Dickinson, 59-60, asst. prof, 60-62, assoc. prof, 62-66; mkt. & mgt, Drexel Inst, 66-68; DIR. RES, PAN-AM. COFFEE BUR, 68-, res. assoc, 59-68. Summers, Cmt. Econ. Ed. fel, 60, Nat. Sci. Found. fel, 62, Gulf faculty fel, 63. Consult, Target Mkt. Serv, 67. U.S.M.C., 42-45. Statist. Asn; Mkt. Asn. Quantitative and qualitative studies of the demand for and the consumption of food products, especially beverages. Publ: Coffee drinking in the U.S., winter 1967, 10/67 & co-auth, Annual coffee statistics, 1966, 12/67, Pan-Am. Coffee Bur. Address: Pan-American Coffee Bureau, 120 Wall St, New York, N.Y. 10005.
- STRUNK, DR. ORLO, JR, b. Pen Argyl, Pa, Apr. 14, 25; m. 47; c. 2. PSYCHOLOGY. A.B. W.Va. Wesleyan Col, 53; S.T.B. Boston, 55, Ph.D.(psychol), 57. Exec. secy, inst. pastoral care, Mass. Gen. Hosp, Boston, 55-57; assoc. prof. psychol, W.VA. WESLEYAN COL, 57-59, PROF. PSYCHOL. & DEAN COL, 59- Summer vis. prof, Boston, 59, 62, 64. Consult. & examiner, N.Cent. Asn. Cols. & Sec. Schs, 60-; consult, nat. adv. coun, Relig. in Ed. Found, 67- U.S.A.A.F., 43-46, T/Sgt. Psychol. Asn; Soc. Sci. Study Relig. Historiography of psychology; theoretical psychology; social psychology of religion. Publ: Ed. Readings in the psychology of religion, 58, auth, Religion: a psychological interpretation, 62 & Mature religion: a psychological study, 65, Abingdon. Address: Dept. of Psychology, West Virginia Wesleyan College, Buckhannon, W.Va. 26201.
- STRUPP, PROF. HANS H(ERMANN), b. Frankfurt am Main, Germany, Aug. 25, 21; nat. m. 51; c. 3. CLINICAL PSYCHOLOGY. A.B. George Washington, 45, A.M., 47, cert, 52; Ph.D. 54. Res. psychologist, U.S. Dept. Air Force, 49-54; U.S. Dept. Army, 54-55; dir, psychotherapy res. proj, George Washington, 55-57; from assoc. prof. to PROF. PSYCHOL, North Carolina, 57-66; VANDERBILT, 66- Vis. lectr, Duke, 58-59; Lasker Mem. lectr, Michael Reese Hosp, 60. Consult, Vet. Admin, 61- AAAS; Psychol. Asn; assoc. Acad. Psychoanal. Psychotherapy and psychoanalysis. Publ: Psychotherapists in action, Grune, 60; co-ed, Research in psychotherapy, Vol. II, Am. Psychol. Asn, 62; auth, Freud and modern psychoanalysis, Barron, 68. Address: Dept. of Psychology, Vanderbilt University, Nashville, Tenn. 37203.
- STRUVE, PROF. PATRICK WILLIAM, b. Davenport, Iowa, Jan. 25, 30; wid; c. 4. SOCIAL SCIENCE, EDUCATION. B.A. Iowa State Teachers Col, 56; M.A., Iowa, 59. Instr. SOC. SCI, Iowa City Community Sch. Dist, 56-66, chmn. dept, 59-66; ASST. PROF, BALL STATE, 66-, faculty res. grant, 67-68. Consult, Rand McNally, 62-65. U.S.N., 51-54. Polit. Sci. Asn. Political socialization of adolescents. Publ: The task ahead, Midland Schs, 2/65. Address: 3911 Peachtree Lane, Munice, Ind. 47304.
- STRUVE, DR. WALTER, European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- STRYKER, DR. S(HELDON), b. St. Paul, Minn, May 26, 24; m. 47; c. 3. SOCIOLOGY. Ph.D.(sociol), Minnesota, 55. Instr. SOCIOL, INDIANA, 51-56, asst. prof, 56-60, assoc. prof, 60-64, PROF, 64-, DIR. INST. SOC. RES, 65- Fulbright res. prof, Italy, 66-67. Ed, Sociometry, 67-69. U.S.A., 43-46. Sociol. Asn. Social psychology; power and politics; family. Publ: Co-auth, The urban ambience, Bedminster, 64. Address: 1000 Pleasant Ridge Rd, Bloomington, Ind. 47401.
- STUART, DR. ALFRED W(RIGHT), b. Pulaski, Va, Nov. 16, 32; m. 60; c. 3. GEOGRAPHY. B.S. South Carolina, 55; M.S. Emory, 56; Ph.D.(geog), Ohio State, 66. Chief glaciologist, U.S. Antarctic Res. Prog, 58-60; res. assoc. glaciol, inst. polar studies, Ohio State, 60-61; asst. geog, 61-62, asst. instr, 62-63; community planner, Planning Dept, City of Roanoke, Va, 63-64; ASST. PROF. GEOG, TENNESSEE, 64- Mem. bd. gov. Am. Inst. Urban & Regional Affairs. U.S.A., 56-58. Asn. Am. Geog; Glaciol. Soc. Antarctic glaciology, especially ice shelves; suburbanization of manufacturing; industrialization in underdeveloped domestic areas. Publ: Co-auth, Glaciological work of the 1959-60 Victoria land traverse, 61 & Glaciological observations on the Ross Ice Shelf near Scott Base, Antarctica, 63, J. Glaciol; auth, The suburbanization of manufacturing and the problem of extrapolation, Southeast. Geog, (in press). Address: Dept. of Geography, University of Tennessee, Knoxville, Tenn. 37916.
- STUART, PROF. GRAHAM H, b. Cleveland, Ohio, Jan. 27, 87. POLITICAL SCIENCE. A.B. Western Reserve, 08; Paris, 11; Ecole Libre des Sciences Politiques, 14; A.M. Wisconsin, 18, Ph.D. 19, LL.D. 48. Asst. polit. sci, Wisconsin, 17-19, instr, 19-21, asst. prof, 21-23; res. assoc. Carnegie Inst, Peru, 24; prof. POLIT. SCI, STANFORD, 24-52, EMER. PROF, 52- Vis. Carnegie prof, Toulouse, Poitiers & Montpellier, 29-30; Hawaii, 30; lectr, Carnegie European Centre, Paris, France, 34; grad. sch. int. studies, Geneva, 37, 50; Sch. Am. Studies, Austria, 51; vis. prof, Sch. Adv. Int. Studies, 52-53; Stuart Chevalier prof, Occidental Col, 57-58. Head war hist. unit, U.S. Dept. State, 43, consult, 52-53; adv. Am. Minister, Tangier, 48. Stanford alumni rep, Alumni Conf, Paris, Mar, 65. Graham H. Stuart Room at Stanford Univ, dedicated Oct, 65. Polit. Sci. Asn; Soc. Int. Law. French foreign policy; governmental system of Peru. Publ: Latin America and the United States; American diplomatic and consular practice; Dept. of State. Address: Dept. of Political Science, Stanford University, Stanford, Calif. 94305.
- STUART, DR. IRVING R, b. New York, N.Y., Mar. 15, 16; m. 41. PSYCHOLOGY. B.S.S. City Col. New York, 38, M.S., 46; Ph.D.(psychol), N.Y. Univ, 51. Chief voc. rehab, Vet. Admin. Guid. Off, Brooklyn Polytech. Inst, 47-50; psychologist, dept. personnel serv, Brooklyn Col, 50-54; ASSOC. PROF. PSYCHOL, HUNTER COL, 54- Dickinson fel, med. sch, Pennsylvania, 53-54. Consult, Dressmakers Union, Int. Ladies Garment Workers, 50-58. U.S.A., 43-45. Psychol. Asn; Inter-Am. Soc. Psychol; fel. Int. Coun. Psychol. Psychology of art; personnel placement; vocational rehabilitation. Publ: Field dependency, authoritarianism and perception of the human figure, J. Soc. Psychol, 66: 209-214; The question of constitutional influence on perceptual style, 65 & Perceptual style and reading ability, 67, Perceptual & Motor Skills. Address: Dept. of Psychology, Hunter College, Bedford Park Blvd. West, Bronx, N.Y. 10468.
- STUART, DR. MERRILL M, b. Wabash, Ind, Aug. 14, 39; m. 61; c. 2. GEOGRAPHY. B.A. Carroll Col.(Wis), 61; M.A. Hawaii, 63; fel, Columbia, 66-67, Ed.D.(geog), 68. Instr. GEOG, Bowling Green State Col, 64-65; ASST. PROF, FRESNO STATE COL, 67- Asn. Am. Geog; Am. Geog. Soc; Nat. Coun. Geog. Ed. Economic transportation and Anglo American geography. Address: 3909 N. Angus St, Fresno, Calif. 93726.
- STUART, PROF. RICHARD K(ENNETH), b. Mass, June 2, 16; m. 41; c. 2. ECONOMICS. B.S.R.I. State Col, 38; M.S., 40; Am. Asn. Univ. Teachers Ins. fel, Boston, 56; Ph.D. Pennsylvania, 56. Instr. Maine, 40-46, from asst. prof. ECON. to assoc. prof, 48-59, PROF, 59-60; WHITMAN COL, 60- Instr, Pennsylvania, 46-48; lectr, Am. Inst. Banking, 47-48; Am. Col. Life Underwriters, 57, 61; vis. assoc. prof, Pomona Col, 58-59; Ford Found. fel, California, 61; Fulbright lectr, Tehran, 67-68. Econ. Asn. Government finance; money and banking. Address: Dept. of Economics, Whitman College, Walla Walla, Wash. 99362.
- STUB, PROF. HOLGER R(ICHARD), b. Elk Horn, Iowa, Dec. 2, 22; m. 48; c. 2. SOCIOLOGY. B.A. Minnesota, 48, M.A., 50, Ford Found. fel, 55-56, Ph.D. 58. Instr. SOCIOL, Minnesota, 55-56; asst. prof, Wis. State Col, La Crosse, 56-58; Minnesota, Duluth, 58-60, assoc. prof, 61-62; asst. prof, TEMPLE, 62-65, ASSOC. PROF, 65- U.S.A., 43-46, Sgt. Fel. Sociol. Asn; Soc. Study Social Probs; Soc. Psychol. Study Social Issues. Social stratification; social psychology; sociology of education. Publ: Co-auth, The sociology of education, Dorsey, 68; Social characteristics of migrants to Duluth: a retest of Rose's migration hypothesis, Am. Sociol. Rev; Family structure and the social consequences of death, In: A sociological framework for patient care, Wiley, 66. Address: Dept. of Sociology, Temple University, Philadelphia, Pa. 19122.
- STUBBINS, PROF. JOSEPH, b. Toronto, Ont, May 19, 16; nat. m. 46; c. 2. PSYCHOLOGY. B.A. Toronto, 45; M.A. Columbia, 46, Ph.D., 49. Psychologist, Vet. Admin. Hosp, Montrose, N.Y., 53-59; assoc. prof. ed. & coordinator rehab. counseling prog, CALIF. STATE COL. LOS ANGELES, 59-67, PROF. ED, 67- Lectr, Teachers Col, Columbia, 54-59; Fulbright lectr. & consult, U.S. Ed. Cmn. in Peru & Peruvian Inst. Rehab, 65-66. Private practice, 59-; psychol. consult, Men's Soc. Serv. Center, Salvation Army, Los Angeles, 62-67; Vet. Admin. Hosps, 65- Mem. bd. dirs. & chmn, Sheltered Workshop Cmt, Except. Children's Found, Los Angeles, 61-65; v.chmn, Los Angeles County Cmn. on Alcoholism, 62-66. Dipl. Am. Bd. Exam. Prfl. Psychol, 55. Fel. Psychol. Asn; Nat. Rehab. Counseling Asn; Personnel & Guid. Asn; Nat. Rehab. Asn. Training of rehabilitation counselors; counseling and rehabilitation of the mentally ill; work experience programs for the handicapped, especially the mentally ill and retarded. Publ: Co-auth, Workshops for the handicapped: an annotated bibliography, Calif. State Col. Los Angeles, annually, 64-67; auth, Psycho-social services for the disabled in Peru as seen by an American psychologist, Rehab. Lit, 5/67 & The professionally trained counselor brings a new dimension to rehabilitation, Rev. Interam. Psicol, 6/67. Address: 1601 Sunnyhill Dr, Monterey Park, Calif. 91754.
- STUBBLEBINE, DR. WILLIAM CRAIG, b. West Point, N.Y., July 21, 36; m. 66; c. 1. ECONOMICS. B.S. Delaware, 58; Ph.D.(econ), Virginia, 63. Asst. prof. ECON, Virginia, 61-63; Delaware, 63-66; ASSOC. PROF, CLAREMONT MEN'S COL, 66- Nat. Sci. Found. sci. faculty fel, Mass. Inst. Tech, 65-66; Fulbright-Hayes cultural exchange lectr, Turin, 67-68. Econ. Asn. Public finance; non-market decision-making; welfare economics. Publ: Co-auth, Externality, Economica, 11/62; auth, Institutional elements in the financing of education, South. Econ. J, 7/64. Address: Dept. of Economics, Claremont Men's College, Claremont, Calif. 91711.
- STUBBLEFIELD, PROF. THOMAS M(ASON), b. Texhoma, Okla, Apr. 16, 22; m. 43; c. 3. AGRICULTURAL ECONOMICS. B.S. New Mexico State, 48; M.S. Agr. & Mech. Col, Tex, 51, Ph.D. 56; Arizona, 53-54. Specialist cotton mkt, New Mexico State, 48; exten. agr. economist, ARIZONA, 51-54, asst. agr. economist, 54-58, assoc. prof. AGR. ECON. & assoc. agr. econo-mist, 58-64, PROF, 64-, ACTING ASST. DIR. AGR. EXP. STA, 66-, acting head dept. agr. econ, 66-67. Consult, U.S. Dept. Agr, 65, task force res. qual. environ, state agr. exp. sta, 67-68. C.Eng. U.S.A., 42-45. Agr. Econ. Asn. Livestock marketing; economics of range resources; agricultural policy. Publ: Analysis of carcass grade and weight sales of fat cattle in Arizona and southern California, 10/63 & Stocker-feeder cattle prices, 3/66, Univ. Ariz. Tech. Bull; co-auth, Economic aspects of range improvements in the southwest, New Mexico State Univ. Bull, 10/65. Address: 810 Calle Milu, Tucson, Ariz. 85706.
- STUBBS, PROF. FRANCIS L(EON), b. Rea, Mo, Aug. 16, 19; m. 49; c. 3. ECONOMICS. B.S. Northwest Mo. State Col, 40; Forum on Finance fel, N.Y. Univ, 56; Ph.D. Wisconsin, 58. Asst, Wisconsin, 51-52; instr. bus. finance, MISSOURI COLUMBIA, 52-54, asst. prof, 54-58, assoc. prof, 58-61, PROF. BUS. MGT, 61-, CHMN. DEPT. FINANCE, 65- Consult, Mo. Pub. Serv. Cmn, 64. U.S.A., 42-45. Econ. Asn; Finance Asn; Am. Acct. Asn. Corporation finance; investment; monetary theory; capital formation; institutional investment. Publ: Co-auth, Financing Missouri's road needs, Mo. State Hwy. Cmn, 60; auth, Missouri economic centers and areas, Bus. & Govt. Rev, 7-8/63. Address: Dept. of Finance, 220 B & PA Bldg, University of Missouri, Columbia, Mo. 65201.

STUBBS, DR. FREDERICK G, JR, b. St. Joseph, Mo, Oct. 30, 27. FINANCE, ECONOMICS. A.B. Wayne State, 50, M.A. 52; Ph.D. (finance, ins), Illinois, Urbana, 66. Workmen's compensation underwriter, Mich. Mutual Liability Co, 53-54; boiler & mach. underwriter, Marsh & McLennan, Inc, 54-55; casualty underwriter, Employers Group of Ins. Co, 55-57; agency underwriter, Wade Patton, & Co, 57-58; ins. salesman, Earl Farney Agency, 58-60; asst. prof. FINANCE, San Diego State Col, 64-65; instr, Illinois, Urbana, 65. ASST. PROF. 65-66, ILLINOIS, CHICAGO, 66-. Am. Risk & Ins. Assn. summer fells, John Hancock Mutual Life Ins. Co, 64 & Liberty Mutual Ins. Co, 67. Mem. Am. Inst. Property & Casualty Underwriters. Risk & Ins. Assn. Risk and insurance; investments; money and banking. Address: 7522 N. Seeley Ave, Chicago, Ill. 60645.

STUCKERT, PROF. ROBERT P(ATON), b. Cleveland, Ohio, June 12, 27; m. 49; c. 2. SOCIOLOGY. A.B. Oberlin Col, 49; M.A. Kent State, 50; Ph.D. Ohio State, 56. Asst. personnel, bul. bus. res. Ohio State, 51-53, asst. prof. SOCIOL., 53-59; WISCONSIN, MILWAUKEE, 59-62, ASSOC. PROF., 62-. CHMN. DEPT., 67-. Consult, personnel res. bd, Ohio State, Univ, 58-59; Social Develop. Corp, D.C., 66; Nat. Assn. Adv. Colored People, Wis, 66-68. U.S.C.G., 45-46. Fel. Sociol. Assn. Use of quantitative methods in social research; ethnic and race relations; church planning and development. Address: Dept. of Sociology, University of Wisconsin, Milwaukee, Wis. 53201.

STUCKEY, DEAN JUNE ELIZABETH, b. Wilmington, Ohio, Nov. 8, 28. PSYCHOLOGY, STUDENT PERSONNEL. B.S. & A.B. Wilmington Col. (Ohio), 50; M.A. Ohio State, 55, Ph.D. (counseling), 62. Teacher, pub. sch. Ohio, 50-54; asst. dean women, West Chester State Col, 55-58; PROF. PSYCHOL., CHMN. DEPT. COL. STUDENT PERSONNEL WORK & DEAN WOMEN, COLO. STATE COL., 59-. Personnel & Guid. Assn; Nat. Assn. Women Deans & Counsors. Publ: Co-auth, Survey of practical experience in the preparation of college student personnel workers, Am. Col. Personnel Assn, 67. Address: Colorado State College, Greeley, Colo. 80631.

STUCKI, PROF. ROLAND, b. Santa Clara, Utah, Feb. 24, 07; m. 32; c. 2. BANKING, FINANCE. B.S. Brigham Young, 30; M.S. Utah, 32; M.B.A. Stanford, 35; Ph.D. Cornell, 43. PROF. FINANCE & HEAD DEPT., UTAH, 35-. Chief bank ops. div, dept. res. Fed. Deposit Ins. Corp, 50, financial economist, 50-51, consult, 65-67; case-writing consult, Univ. Tehran, 61. Econ. Assn; Finance Assn; Acad. Mgt. Stabilization of consumption; money and banking; bank operations and practice. Publ: Co-auth, Money, banking and national income, Knopf, 56 & Personal finance, Univ. Utah Exten. Div, 61; auth, Commercial banking in Utah, 1847-1966, Univ. Utah Bur. Econ & Bus. Res, 67. Address: College of Business, University of Utah, Salt Lake City, Utah 84112.

STUCKY, DR. HARLEY J, b. Moundridge, Kans, July 26, 20; m. 45; c. 4. GOVERNMENT. A.B. Bethel Col, 41; B.D. Garrett Biblical Inst, 44; Chicago, 44-46; A.M. Northwestern, 47; Ph.D., 49. Asst. prof. hist. & govt, Bethel Col. (Kans), 48-49, assoc. prof., 49-63; vis. prof. hist. & polit. sci, Tabor Col, 63-64; assoc. prof. govt, Cent. State Col. (Okla), 65; dean & registrar, FRIENDS, 65-. V. PRES. ACAD. AFFAIRS, 66-, lectr, 61. Republican Nat. Convention fel, Eagleton Found. & Citizenship Clearing House, 60. Polit. Sci. Assn; Hist. Assn; Acad. Polit. & Soc. Sci. Publ: August 6, 1945: the impact of atomic energy, Am. Press Pub, 64; The German element in Kansas, In: Kansas: the first century, Lewis Hist. Pub, 56; The presidential and vice presidential candidate communications as they reach a delegation: Kansas Republicans, In: Inside politics: the national convention, Oceana, 62. Address: 2117 N. Main St, North Newton, Kans. 67217.

STUCKY, PROF. HAROLD R(ALPH), b. Bozeman, Mont, Dec. 14, 04; m. 30; c. 2. AGRICULTURAL ECONOMICS. B.S. Idaho, 27; M.S. Minnesota, 42, Ph.D., 54. Dist. soil conservationist, U.S. Soil Conserv. Serv, 42-44; assoc. prof. ranch econ, Mont. State Col, 44-45, exten. economist, exten. serv, 44-54; PROF. AGR. ECON, NEW MEXICO STATE, 54-. DIR. N.MEX. WATER RES. INST, 65-, head dept. agr. econ, 54-65. Mem. Gov. Water Resources Adv. Cmt, 60; chmn, State Water Confs, N.Mex, 55-68. N.Mex. Univ. rep, Nat. Univs. Coun. on Water Resources, 65-68; dir, Water Resources Res. Inst, 66-68. Land and water resources policy and use; agricultural business; agricultural policy and cooperation. Publ: Co-auth, Value of water in alternative uses, Univ. New Mexico, 62; auth, Settlement and repayment policies on irrigation projects & Father-son business agreements. Address: 1804 Amis Ave, Las Cruces, N.Mex. 88001.

STUDDERT-KENNEDY, DR. MICHAEL G, b. Worcester, Eng, Apr. 15, 27; m. 66; c. 3. PSYCHOLOGY. B.A. Cambridge, 51; Ph.D. (psychol), Columbia, 61. Instr. psychol, Bowdoin Col, 60-61; asst. prof, Barnard Col, Columbia, 61-66; ASSOC. PROF, Inter-Am. Univ. P.R., 66-67; COMMUN, ANNENBERG SCH, PENNSYLVANIA, 67-. Res. assoc, Haskins Labs, 61-. Intel.C. Brit. Army, 47-49. Speech perception; psycholinguistics; psychoacoustics. Publ: Co-auth, Psychological considerations in the design of auditory displays for reading machines, In: Proc. Int. Cong. Tech. & Blindness, Vol. I, Am. Found. Blind, 63, Identification of consonants and vowels presented to left and right ears, Quart J. Exp. Psychol, 19: 59-63 & Perception of the speech code, Psychol. Rev, 74: 431-461. Address: Annenberg School of Communications, University of Pennsylvania, Philadelphia, Pa. 19104.

STUDDIFORD, DR. WALTER B(ECKMAN), b. Somerville, N.J., Jan. 18, 28. PSYCHOLOGY. B.A. Hope Col, 50; M.A. Minnesota, 51, Ph.D. 60. Asst. PSYCHOL, Minnesota, 51-55, instr, 55, fel, 55-56, res. fel, 56-61, res. assoc, 61; PRINCETON, 61-65, LECTR, 61-, ASST. DIR. OFF. COL. OPERS, 65-. AAAS; Psychol. Assn; Statist. Assn; Am. Comput. Mach. Psychology of personality; administrative computer applications. Publ: Contrib, Willing in androids, Chap. V. In: The concept of willing, Abingdon, 67. Address: Dept. of Psychology, Green Hall, Princeton University, Princeton, N.J. 08540.

STUDNICKI-GIZBERT, DR. KONRAD, b. Warsaw, Poland, Sept. 14, 26; Can. citizen; div; c. 4. ECONOMICS. B.Sc. London Sch. Econ, 51, M.Sc. 54; Ph.D. (econ. of transportation), McGill, 64. Res. economist, Govt. Can, 54-57, head statist. sect, transportation, 57-61, chief economist, Air Transport Bd, 61-64; ASSOC. PROF. ECON, Mt. Allison, 64-66; YORK (ONT), 66-

Consult, Can. Air Transport Bd, 66; res. proj. dir, Ont. Cmt. Healing Arts, 67; spec. consult, Transair Ltd, 67; consult, N.D. Lea & Assocs, 67-. Mem, New Guinea Econ. Surv. Mission, Int. Bank Reconstruct. & Develop, 63, Venezuela Econ. Mission, 65. Am. Econ. Assn; Can. Econ. Assn; fel. Royal Econ. Soc. Economics, especially industrial economics and economics of transport. Publ: The regional carriers' problem, Queen's Printer, 66; Structure and growth of Canadian air transport industry, Can. Polit. Sci. Assn. Conf. Statist, 61; Transport, In: The Canadians, (1867-1967), Macmillan, 67. Address: Dept. of Economics, Founders' College, York University, Toronto, Ont. Can.

STUTT, DEAN DEWEY B(ERNARD), b. Fulton, Ill, Jan. 24, 09; m. 34. PSYCHOLOGY. B.S. Illinois, 31, M.S. 32, Ph.D. (ed. psychol), 34. Instr. psychol, Carleton Col, 34-36; assoc. prof, teachers col, Nebraska, 36-38; IOWA, 38-43, PROF. PSYCHOL, 46-, DEAN COL. LIB. ARTS, 49-, student personnel serv, 47-49, dir. student counseling, 46-49. Dir. studies, Assn. Am. Med. Cols, 47-48. U.S.N., 43-46. Fel. Psychol. Assn. Aptitude testing; student personnel problems. Publ: Predicting success in professional schools; co-auth. & ed, Personnel research and test development in the Bureau of Naval Personnel. Address: College of Liberal Arts, University of Iowa, Iowa City, Iowa 52240.

STULIGROSS, PROF. JOHN DONALD, b. Detroit, Mich, July 30, 33; m. 59; c. 2. ECONOMETRICS, STATISTICS. B.S. Detroit, 55, M.B.A., 61; Oklahoma, 64-66. Acct, truck & coach div, Gen. Motors Corp, 55-61; economist, Fed. Reserve Bank Dallas, 61-64; ASST. PROF. BUS. & CHMN. RES. CMT, CENT. MO. STATE COL, 64-. Economet. Soc; Econ. Assn; Assn. Evolutionary Econ; Statist. Assn. Finance; international economics; economic theory; national income; business forecasting and cycles. Address: 214 Grover, Warrensburg, Mo. 64093.

STULTZ, DR. NEWELL MAYNARD, b. Boston, Mass, June 13, 33; m. 58; c. 2. POLITICAL SCIENCE. A.B. Dartmouth Col, 55; Fulbright fel, S.Africa, 55-56, Ford Found. fel, 62-64; Nat. Defense Ed. Act. fel, Boston, 59-62, Ph.D. (govt), 65. ASST. PROF. POLIT. SCI, Northwestern, 64-65; BROWN, 65-. U.S.N., 56-59, Lt. African politics. Publ: South Africa's Transkei, Northwestern Univ, 67. Address: Dept. of Political Science, Prospect House, Brown University, Providence, R.I. 02912.

STUMPF, DR. HARRY PAUL, b. O'Fallon, Ill, Sept. 20, 32; m. 55; c. 2. POLITICAL SCIENCE. A.B. Colorado, 54; A.M. George Washington, 58; Ph.D. (polit. sci), Northwestern, 64. Instr. POLIT. SCI, Colorado State, 61-63, asst. prof, 63-64; NEW MEXICO, 64-68, ASSOC. PROF, 68-. Pub. affairs summer res. grant, 62; proj. dir, Off. Econ. Opportunity study grant, 67-68. U.S.N., 54-56, Lt. Law & Society Assn; Polit. Sci. Assn. American political institutions and processes; national, state and local judicial politics; judicial impact. Publ: Congressional response to supreme court rulings: the interaction of law and politics, J. Pub. Law, 66; The political efficacy of judicial symbolism, West. Polit. Quart, 6/66; co-auth, New Mexico: the political state, In: Politics of the American west, Univ. Utah, 68. Address: Dept. of Political Science, University of New Mexico, Albuquerque, N.Mex. 87106.

STUNKARD, DR. ALBERT J, Psychiat, see 11th ed, Phys. & Biol. Vols.

STUNKARD, DR. CLAYTON L(EROY), b. Opheim, Mont, Sept. 11, 26; m. 59; c. 2. STATISTICS. B.A. Minnesota, 48, M.A., 51, Ph.D. (ed. psychol), 59. Asst. & instr. ed, Minnesota, 48-53, lectr, 54-60; res. assoc, Indiana, 53-54; chief bur. statist. serv, N.Y. State Dept. Ed, 60-63; assoc. prof. Ed, MARYLAND, 63-68, PROF, 68-. Statist. Assn; Ed. Res. Assn. Statistical design and analysis; educational measurement and psychology. Publ: Comparative study of day class versus institutionalized educable retardates; Analysis of variance of multiple measurements on subjects classified in unequal groups of one dimension, J. Exp. Ed; Estimation of test reliability for unrestricted item scoring methods, Ed. & Psychol. Measurement. Address: Dept. of Statistics, University of Maryland, College of Education, College Park, Md. 20742.

STUNKEL, EVA RUSSELL, b. New York, N.Y., Aug. 22, 23; m. 51; c. 2. PERSONNEL PSYCHOLOGY. B.A. Hunter Col, 44; M.A. N.Y. Univ, 47. Psychiat. soc. worker & acting psychologist, Cent. Islip State Hosp, N.Y., 44-46; res. psychologist, personnel res. sect, U.S. Dept. Army, 48-52; test develop. sect, U.S. Civil Serv. Cmn, 52-54, 55-57; D.C. Police Dept, 55; personnel methods analyst, personnel mgt. div, U.S. Dept. Health, Ed. & Welfare, 57-59; res. psychologist, test develop. sect, U.S. Civil Serv. Cmn, 61-63; psychologist, PERSONNEL RES. EVAL. SECT, SOC. SECURITY ADMIN, DEPT. HEALTH, ED. & WELFARE, 63-67, ASST. CHIEF PSYCHOLOGIST, 67-. Psychol. Assn. Measurement and evaluation of military and civilian personnel; personality, intelligence, aptitude and achievement tests; rating methods; validity and reliability of techniques applicable to problems of selection and placement. Publ: Performance of deaf and hearing college students on verbal and non-verbal intelligence tests, Am. Ann. Deaf; Validity and the criterion, Ed. & Psychol. Measurement; Improving employment reference checks. Address: 3520 Langrehr Rd, Baltimore, Md. 21207.

STUPAK, DR. RONALD J, b. Allentown, Pa, Nov. 28, 34; m. 58; c. 1. POLITICAL SCIENCE. B.A. Moravian Col, 61; Merston fel, Ohio State, 62-65. M.A., 64, univ. fel, 65-66, Ph.D. (polit. sci), 67. Instr. POLIT. SCI, MIAMI (OHIO), 66-67, ASST. PROF, 67-. Summers, fel. Merston Center Ed. Nat. Security, 67, res. grant, Miami (Ohio), 68. Sig.C. U.S.A., 55-57. Polit. Sci. Assn; Acad. Polit. & Soc. Sci. The secretary of state and the foreign policy-making process; civil-military relations; defense policy; North Atlantic Treaty Organization; national security policy. Publ: Co-ed, Readings in national security policy (2 vols), Merston Library Collection, Ohio State Univ, 63; auth, Dewey and Mannheim on education and democracy: similarities and differences, Kappa Delta Pi Record, 2/68 & A case study in civil-military relations: the ideological challenge to civilian authority in post-World War II France, Orbis, summer 68. Address: Dept. of Political Science, Miami University, Oxford, Ohio 45056.

STURC, DR. ERNEST, b. Bekescsaba, Austria-Hungary, Jan. 12, 15; nat; m. 46; c. 2. ECONOMICS, LAW. J.D. Comenius Univ, Czech, 38; Chicago,

39-42. Dep. dir, Czech. Govt. Info. Serv, Ministry For. Affairs, Czech, 42-46; DIR. TRADE & PAYMENTS RELS, INT. MONETARY FUND, 46- Mem. Czech. del. Bretton Woods Conf. Int. Monetary Collab, 44; Czech. del. San Francisco Conf. Int. Orgn, 45; Czech. del. Orgn. Fund & Bank, Savannah, Ga, 46. Econ. Asn. Problems of international financial and monetary collaboration, especially as relating to or involving European countries. Publ: Economic problems of Southeastern Europe; Yugoslav economic system, Int. Monetary Fund Staff Papers. Address: International Monetary Fund, 19th & H St. N.W., Washington, D.C. 20431.

STURDIVANT, DR. FREDERICK D(AVID), b. Whitewright, Tex, Oct. 17, 37; m. 59; c. 3. MARKETING. B.S., San Jose State Col, 59; M.B.A., Oregon, 60; summer, Stanford, 61; fel, Northwestern, 61-63, Ph.D.(mkt), 63. Instr. bus, West. State Col. Colo, 60-61; res. assoc. bus. hist, Northwestern, 63-64; asst. prof. MKT, Southern California, 64-67, assoc. prof, 67; ASSOC. PROF., TEXAS, AUSTIN, 67- Nat. Defense Ed. Act. res. grant, 66-67. Consult, various bus. orgn, 64- Mem. Bus. Hist. Conf, 61- U.S.A.R., 56-63. Mkt. Asn. Distribution channels; business history; interactions between marketing firms and their affect on and response to their environmental setting. Publ: Growth through service: a history of American Hospital Supply Corporation, Northwestern, 68; co-auth, Competition and human behavior, Appleton, 68; auth, Better deal for ghetto shoppers, Harvard Bus. Rev, 3-4/68. Address: Dept. of Marketing Administration, Graduate School of Business, University of Texas, Austin, Tex. 78712.

STURGIS, PROF. DUDLEY CLARENCE, JR, Econ, see 10th ed, Soc. & Behav. Vols.

STURM, PROF. ALBERT L(EE), b. Appalachia, Va, Aug. 5, 11; m. 41. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B., Hampden-Sydney Col, 33; A.M., Duke, 40, Ph.D.(polit. sci), 42; Duke-Brookings fel, Brookings Inst, 40-41. Teacher, high schs, Va. & W.Va, 33-38; instr. polit. sci, Michigan, 41-42; vis. asst. prof, Duke, 46; assoc. prof, West Virginia, 46-51, prof, 51-62; govt, Fla. State, 62-68, dir. inst. govt. res, 62-67; PROF. POLIT. SCI., VA. POLYTECH, 68- Vis. prof, Pa. State Col, 49; Michigan, 52-53; Duke, 61; Nebraska, 68; prof, Ankara, Turkey, 57-59. Consult, Hoover Cmn, 54-55; inst. pub. admin, Michigan, 61-62; Fla. Constitution Revision Cmn, 66. Adv. Governor of Mich. Constitutional Convention Citizens Adv. Cmt. on Exec, 61; chmn, South. Pub. Admin. Res. Coun, 63-68; proj. dir, County Welfare in Fla, 65-67; adv. state agencies. U.S.N., 42-46, Lt. Comdr. Am. Polit. Sci. Asn; Soc. Pub. Admin; Int. Acad. Polit. Sci; Int. Polit. Sci. Asn. American, national and state government and administration; state constitutions and constitutional revision. Publ: Methods of state constitutional reform, 53 & co-auth, Implementing a new state constitution: the Michigan experience, 68, Univ. Michigan; auth, State constitutional revision: 1950-1966, Nat. Munic. League, 68. Address: Dept. of Political Science, Virginia Polytechnic Institute, Blacksburg, Va. 24060.

STURM, PROF. HOBERT P(EPER), Polit. Sci, see 10th ed, Soc. & Behav. Vols.

STURM, DR. ISRAEL ELI, b. Brooklyn, N.Y., Aug. 5, 33; m. 63; c. 1. PSYCHOLOGY. A.B., Columbia, 53, M.A., 58, Ph.D.(measurement), 63. PSYCHOLOGIST, VET. ADMIN. HOSP, NORTHPORT, 63- Psychol. Asn; Soc. Group Psychother. & Psychodrama. Psychodiagnostics; psychiatric outcome; small groups; role-induction. Publ: Overinclusion and concreteness among pathological groups, J. Consult. Psychol, 65; The behavioristic aspect of psychodrama, Group Psychother, 65; co-auth, Some social and vocational predictors of psychiatric hospitalization outcome, J. Clin. Psychol, 67. Address: 20 Gibson Ave, Huntington, N.Y. 11743.

STURM, DR. RICHARD J(OSEPH), b. North Canton, Ohio, Mar. 19, 28; m. 60; c. 1. CLINICAL PSYCHOLOGY. B.S., Kent State, 51, M.A., 52; Ph.D., Texas, 56. Clin. psychologist, VET. ADMIN. HOSP, Jefferson Barracks, Mo, 56-67, CHIEF PSYCHOLOGIST, SERV, ROSEBURG, ORE, 67- Asst. prof, eve. col, Washington (St. Louis), 59-67. Psychol. Asn. Prediction of overt behavior from projective techniques. Address: Veterans Administration Hospital, Roseburg, Ore. 97470.

STURM, DR. ROY A(LBERT), Sociol, see 10th ed, Soc. & Behav. Vols.

STURMTHAL, PROF. ADOLF (FOX), b. Vienna, Austria, Sept. 10, 03; nat; m. 40; c. 3. ECONOMICS. Dr. rer. polit, Vienna, 25. Lectr, grad. sch, American Univ, 38-39; asst. prof. City Col. New York, 40; asst. prof. econ. & dir. inst. econ. ed, Bard Col, 40-42, prof. econ, 42-55; Murray prof. int. labor studies, Roosevelt, 55-60; PROF. LABOR & INDUST. RELS, ILLINOIS, URBANA, 60- Res. fel, Carnegie Corp, 39-42; prof, Sarah Lawrence Col, 43; Fulbright res. fel, 49-50; Soc. Sci. Res. Coun, fel, 49-50, 51; vis. prof, N.Y. State Sch. Indust. & Labor Rels, Cornell, 52-54, Soc. Sci. Res. Center fel, 53-54; vis. prof, grad. sch. bus, Columbia, 58-59; res. assoc, center econ. develop. & cultural change, Chicago, 59-, lectr, grad. sch. bus, 61; vis. prof, Yale, 62-63. Chief spec. reports sect, Fed. Commun. Cmn, 44. Consult, For. Econ. Admin, 45; res. proj. contemporary cultures, Columbia, 46-48; Rand Corp, 49; U.S. Dept. Labor, 61-; Int. Inst. Labour Studies, Geneva, 61-; Yale Univ. Disarmament Proj, 64-66. Econ. Asn; Polit. Sci. Asn; Indust. Rels. Res. Asn. Labor economics; international affairs; political science; new methods of economic policy-making; manpower forecasting. Publ: The tragedy of European labor 1918-39, Columbia, 43 & 51; Unity and diversity in European labor, Macmillan, 54; Workers councils, Harvard, 62. Address: Institute of Labor & Industrial Relations, University of Illinois, 504 E. Armory, Champaign, Ill. 61820.

STURR, DR. JOSEPH F(RANCIS), Exp. Psychol, see 11th ed, Phys. & Biol. Vols.

STURTEVANT, DR. D(AVID) R(EEVES), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

STURTEVANT, DR. WILLIAM C(URTIS), b. Morristown, N.J., July 26, 26; m. 52; c. 3. ANTHROPOLOGY. A.B., California, 49; Ph.D.(anthrop), Yale, 55. Instr. anthrop, Yale, 54-56, asst. curator, Peabody Mus, Yale, 54-56;

ethnologist, Bur. Am. Ethnol, SMITHSONIAN INST, 56-65, CURATOR OFF. ANTHROP, 65- Fulbright lectr, Inst. Soc. Anthropol, Univ. Oxford, 67-68. Assoc, Current Anthropol. U.S.N.R., 45-46. Am. Anthropol. Asn; Ling. Soc; Ethnol. Soc; Soc. Am. Archaeol; Soc. Ethnohist.(pres, 65-66); Soc. Ethnomusicol; Polynesian Soc; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland; Soc. Americanists. Ethnology and linguistics of Eastern North American Indians, West Indies and Burma; ethnography; ethnohistory; material culture; history of anthropology; cultural anthropology. Publ: The significance of ethnological similarities between Southeastern North America and the Antilles, Yale Pub. in Anthropol, 60; Studies in ethnohistory, Am. Anthropologist, 64; Anthropology, history, and ethnohistory, Ethnohistory, 66. Address: Office of Anthropology, Smithsonian Institution, Washington, D.C. 20560.

STUTZ, DR. ROBERT MICHAEL, b. Detroit, Mich, Feb. 17, 41; m. 62; c. 1. PSYCHOLOGY. B.A., Wayne State, 62, M.A., 65, Ph.D.(psychol), 66. ASST. PROF. PSYCHOL, CINCINNATI, 66- Nat. Inst. Ment. Health res. grant, 67-68; Nat. Sci. Found. res. grant, 68-70. AAAS; Psychol. Asn. Experimental and physiological psychology; electrical stimulation of the brain; limbic system lesions; motivation; learning. Publ: Co-auth, The effects of thalamic and limbic system lesions on self-stimulation, 61: 468-472, auth, Stimulus generalization within the limbic system, (in press) & co-auth, Cingulate and fornix lesions: effects on two types of reversal learning, (in press), J. Comp. & Physiol. Psychol. Address: Dept. of Psychology, University of Cincinnati, Cincinnati, Ohio 45221.

STYCOS, PROF. J(OSEPH) MAYONE, b. Saugerties, N.Y., Mar. 27, 27; m. 50; c. 2; m. 64; c. 1. SOCIOLOGY. A.B., Princeton, 47; Ph.D.(sociol), Columbia, 52. Res. assoc, bur. appl. soc. res, Columbia, 49-51; proj. co-dir, soc. sci. res. center, Univ. Puerto Rico, 51-54; Pop. Coun.fel, North Carolina, 54-55; assoc. prof. SOCIOL, St. Lawrence, 55-57; acting assoc. prof, CORNELL, 57-60, assoc. prof, 60-63, PROF, 63-, DIR. INT. POP. PROG, 62-, CHMN. DEPT. SOCIOL, 66-, dir. Latin Am. Studies Prog, 62-66. Consult, Nat. Defense Ed. Act Title VI Fel. Cmt, 62 & 63; Agency Int. Develop, 62-64; sr. consult, Pop. Coun, 63; mem. Latin Am. Sci. Bd, Nat. Acad. Sci. 63-65; mem. consult. bd. pop. res, Nat. Inst. Child Health & Human Develop, 65-66, training rev. cmt. reprod, 65-67, pop. res. adv. cmt, 67-; exec. cmt. Int. Planned Parenthood Fedn, West. Hemisphere, 65-; adv. cmt. pop. & develop, Orgn. Am. States, 68- Trustee, Pop. Ref. Bur, 64- Sociol. Asn; Pop. Asn. Population; family; research methods; relation of culture and family structure to human fertility and migration, especially in the Caribbean and Latin America. Publ: Co-auth, The control of human fertility in Jamaica, 64 & auth, Human fertility in Latin America, 68, Cornell; co-auth, Population dilemma in Latin America, Taplinger, 66. Address: Dept. of Sociology, McGraw Hall, Cornell University, Ithaca, N.Y. 14850.

STYKOLT, PROF. STEFAN, Econ, see 10th ed, Soc. & Behav. Vols.

STYSKAL, DR. RICHARD ANTHONY, b. Hollywood, Calif, Sept. 16, 36; m. 60. POLITICAL SCIENCE. B.S., Oregon, 60, M.A., 65, Ph.D.(polit. sci), 67; fel, East-West Center, Univ. Hawaii, 65-66. ASST. DIR. JOURNALISM & SOC. SCI, OPINION REPORTING WORK SHOP, GRAD. SCH. JOURNALISM, COLUMBIA, 67- Fel, inter-univ. consortium polit. res, surv. res. center, Michigan, summer, 65. U.S.A.F., 61-62. Polit. Sci. Asn. Comparison, over time, of the political preceptions and political demand-making of different socio-economic strata within various urban minority groups in the United States and Asia. Address: Opinion Reporting Workshop, Graduate School of Journalism, Columbia University, New York, N.Y. 10027.

SU, DR. EDWARD SHOU-TSU, b. Nanking, China, Dec. 31, 20; U.S. citizen; m. 57; c. 2. POLITICAL SCIENCE. LL.B., Nat. Anhwei Univ, China, 44; Nat. Govt. China scholar, 48-50; B.A., Fresno State Col, 50; M.A., Illinois, 51, M.S., 55; Ph.D.(polit. sci), Fordham, 62. Instr. law, Cent. Police Col, China, 44-45; Nat. Anhwei Univ, China, 45-47; asst. prof. POLIT. SCI, Rocky Mountain Col, 62-64; prof, Dickinson State Col, 65-66; Lake Superior State Col, 66-67; ASSOC. PROF. TEXAS A&I, 67- Polit. Sci. Asn; Acad. Polit. & Soc. Sci. International affairs, especially Sino-Russian relations, the government and politics of the Soviet Union and China, and the international organization. Publ: China's frontier policy toward Sinkiang, Rocky Mountain Rev, 6/63; Russo-Chinese treaties and agreement relating to Sinkiang, 1851-1949, J. Asian Studies, 5/64; The Sino-Soviet dispute as a reflection of their national interests and national powers, Texas A&I Univ. Studies, 5/68. Address: 1519 E. Huisache Ave, Kingsville, Tex. 78363.

SUAREZ, DR. ANDRES, b. Havana, Cuba, Sept. 9, 14; m. 49; c. 2. POLITICAL SCIENCE. Dr. law, Havana, 43. Assoc. researcher Cuban Castroism, center int. studies, Mass. Inst. Tech, 63-65; ASSOC. PROF. LATIN AM. POLIT, FLORIDA, 65- Polit. Sci. Asn. Contemporary Cuban history and politics; Latin American communist and revolutionary movements. Publ: Cuba: Castroism and communism (1959-1963), M.I.T. Press, 67; Castro between Moscow and Peking, Probs. of Communism, 9-10/63. Address: Dept. of Political Science, University of Florida, Gainesville, Fla. 32603.

SUBBIAH, PROF. BOMMIREDDI VENKATA, b. Dornipadu, India, Jan. 13, 17; m. 47; c. 2. POLITICAL SCIENCE, SOCIOLOGY. B.A., Andhra, India, 36; M.P.A., N.Y. Univ, 60, Ph.D.(pub. admin), 65. Supt. correspondence, Madras State Govt, India, 47-53; asst. secy. state food & agr, Andhra State Govt, 53-56, asst. secy. state, Planning Dept, 61-64; prof. soc. sci. & chmn. dept, Elizabeth City State Col, 65-67; PROF. POLIT. SCI., W.VA. STATE COL, 67- Hon. researcher, Inst. Pub. Admin, N.Y., 56-60. Pres, All-India Fedn. Civil Serv, 51-53. Distinguished merit cert, N.Y. Univ, 65. Soc. Pub. Admin. Public administration; demography. Publ: World population crisis (a model study of India, (in press)). Address: Dept. of Political Science, West Virginia State College, Institute, W.Va. 25112.

SUBLETTE, DR. MYRICK H(UGHES), b. Advance, Ind, Dec. 3, 90; m. 28; c. 1. POLITICAL SCIENCE. A.B., Ind. State Teachers Col, 21; LL.B., Michigan, 25; A.M., Illinois, 29, Ph.D., 33. Prof. econ. & polit. sci, Omaha, 27; bus. admin, Col. St. Teresa, 27-28, 36-42; asst. instr, Illinois, 28-32; prof. econ. & bus, Nebr. State Col, 32-36; assoc. prof. polit. sci, Mary Washington Col, Virginia, 42-61; RETIRED. Vis. prof, Campbellsville Col, 63-64. Sig.C,

U.S.A., 17-21. Law and political theory; business administration. Publ: Accounting principles; Taxation of fictitious persons, Am. Bar Assn. J; Private currency and social credit, Bankers Mag. Address: 1225 Dandridge St, Fredericksburg, Va. 22401.

SUBOSKI, DR. MILTON D(ALE), b. Newberry, Mich, Oct. 8, 35; m. 58; c. 3. PSYCHOLOGY. B.A. Western Michigan, 58; M.A. Indiana, 64, Ph.D. (psychol), 66. ASST. PROF. PSYCHOL, QUEEN'S (ONT), 65- U.S.A., 59-60, 1st Lt. AAAS. Classical conditioning; learning applications of signal detection methods; electro-convulsive shock effects in learning; learning theory. Publ: UCS intensity and the latency of the classically conditioned eyelid response, J. Exp. Psychol, 67; The analysis of classical discrimination conditioning experiments, Psychol. Bull, 67; co-auth, The law of effect and the origin of the classically conditioned eyelid response, Can. J. Psychol, 67. Address: Dept. of Psychology, Queen's University, Kingston, Ont. Can.

SUBOTNIK, DR. LEO, b. Cedar Rapids, Iowa, Nov. 7, 26; m. 53; c. 2. PSYCHOLOGY. A.B. Hopkins, 47; M.A. Chicago, 48, Ph.D. 56. Res. child psychologist, Wayne County Training Sch, 54-57; asst. prof. psychol, Col. Osteop. Med. & Surg, 57-60; clin. psychologist, ment. hyg. unit, Vet. Admin. Center, Des Moines, Iowa, 60-67; HEAD DEPT. PSYCHOL, S.DAK. STATE, 67- Consult, Brookings Area Guid. Center, 67- U.S.A., 45-46. Psychol. Asn; Asn. Adv. Psychother; Acad. Psychother; Soc. Psychol. Study Social Issues. Psychotherapy. Publ: Transference in child therapy: a third replication, Psychol. Record, 7/66. Address: Dept. of Psychology, South Dakota State University, Brookings, S.Dak. 57006.

SUBRAHMANYAM, DR. K(OCHEERLAKOTA), Math. Statist, see 11th ed, Phys. & Biol. Vols.

SUCHMAN, PROF. EDWARD A(LLEN), b. New York, N.Y., Dec. 5, 15; m. 39; c. 3. SOCIOLOGY, SOCIAL PSYCHOLOGY. A.B. Cornell, 36, A.M. 37; Rockefeller Found. fel, 39-40; Ph.D. Columbia, 47. Asst. radio res. proj, Princeton, 38-40; exec. secy. & res. assoc. off. radio res. Columbia, 40-42; sr. proj. dir. res. br, U.S. Dept. War, 42-46; Soc. Sci. Res. Coun. fel, 47-48; prof. sociol. & anthrop. exec. officer dept, Cornell, 47-58; dir. soc. sci. activities, New York Dept. Health, 58-64; PROF. SOCIOL, PITTSBURGH, 64- Adj. prof, sch. pub. health, Columbia, 58-64. Consult, P.R. Dept. Health & Ed, 65-; injury control prog, U.S. Pub. Health Serv, 66- Mem. rev. cmt. Nat. Center Alcoholism, 67- Nat. Safety Coun. commendation award, 67. Sociol. Asn; Psychol. Asn; Asn. Pub. Opinion Res; Sociol. Res. Asn. Attitude measurement; methods of social research, public opinion and communications; medical sociology. Publ: Sociology and the field of public health, 63 & Evaluative research, 68, Russell Sage; co-auth, Accident research, Harper, 66. Address: Dept. of Sociology, University of Pittsburgh, Pittsburgh, Pa. 15213.

SUCHMAN, DR. J(OSEPH) RICHARD, b. New York, N.Y., Apr. 14, 27; m. 49; c. 3. EDUCATIONAL & CHILD PSYCHOLOGY. B.A. Cornell, 49, M.A. 50, Ph.D.(child develop, family rels), 53. Prof. ed, Illinois, Urbana, 53-64; dir. elem. sec. & higher ed. res, U.S. Off. Ed, 64-66; AUTHOR & CONSULT, SCI. RES. ASSOCS, 66- U.S.N.R., 45-46. Psychol. Asn; Soc. Res. Child Develop; Ed. Res. Asn. Cognitive development; inquiry training; children's thinking. Publ: Observation and analysis in child development: a laboratory manual; Inquiry development program, Sci. Res. Assocs, 66; A model for the analysis of inquiry, In: Analyses of concept learning, Academic, 67. Address: 678 Creston Rd, Berkeley, Calif. 94708.

SUCHMAN, DR. ROSSLYN GAINES, b. Toronto, Ont, Feb. 27, 26; U.S. citizen; m. 64; c. 2. PSYCHOLOGY. B.S. Northwestern, 49; Nat. Insts. Health fel, Chicago, 60-63, M.A., 61, Ph.D.(psychol), 63. Interne psychol, counseling center, Chicago, 50-52, res. asst, univ, 61-62, teaching asst, 62, instr, 63; counsr, Chicago Psychol. Inst, 51-55; asst. prof. psychol, California, Los Angeles, 63-64; assoc. res. prof, Gallaudet Col, 64-66; ASSOC. RES. PSYCHOLOGIST, INST. HUMAN DEVELOP, CALIFORNIA, BERKELEY, 66-, LECTUR. DEPT. ED, UNIV, 68- Co-prin. investr, U.S. Pub. Health Serv. res. grant, 63-64, prin. investr, 64-67, proj. dir, 67-70; fel, Nat. Training Labs, Maine, 66. Consult, U.S. Off. Ed. res. grant, 66-68. Psychol. Asn; Soc. Res. Child Develop. Perceptual differentiation skills of three age levels and three adult groups to determine relation of age and skill, color and form discrimination at different ages and the efficacy of differing types of reinforcement. Publ: Cultural differences in children's color form preference, J. Soc. Psychol, 70: 3-10; Color form preference, discriminative accuracy and learning of deaf and hearing children, Child Develop, 37: 439-451; co-auth, Color and form preference in young children, J. Exp. Child Psychol, 3: 177-187 & In: Readings in fundamentals of child psychology, Holt, (in press). Address: Institute of Human Development, Toman Hall 1203, University of California, Berkeley, Calif. 94720.

SUCI, DR. G(EORGE) J(OHN), b. Gary, Ind, Apr. 24, 25; m. 48; c. 4. PSYCHOLOGY. B.S. Purdue, 47, M.S. 48; Ph.D.(psychol), Illinois, 52. Res. assoc. personnel selection for Navy, Am. Inst. of Res, 52-53; res. asst. prof. psychol. & commun. res, Illinois, 53-57; res. psychologist, geront. br, Nat. Inst. Ment. Health, 57-59; from asst. prof. to ASSOC. PROF. CHILD DEVELOP. & FAMILY RELATIONSHIPS, CORNELL, 59- U.S.A., 44-46. Psychol. Asn. Theory and development of verbal behavior and cognitive processes. Publ: Measurement of meaning; The validity of pause as an index of units in language, J. Verbal Learning & Verbal Behav, 6: 26-32; co-auth, The validity of the probe-latency technique for assessing structure in language, Lang. & Speech, 10: 69-80. Address: Dept. of Child Development & Family Relationships, Cornell University, Ithaca, N.Y. 14850.

SUDHALTER, DR. DAVID L, b. Boston, Mass, Feb. 25, 27; m. 52; c. 2. POLITICAL SCIENCE. A.B. Massachusetts, 49; Hopkins, 51-52; A.M. Boston, 58, Ph.D.(polit. sci), 62; Brandeis, 58-59. Prof. polit. sci, Calvin Coolidge Col, 58-62, dean col, 62-65; PROF. POLIT. SCI. & ACTING HEAD DIV, MASS. STATE COL. BOSTON, 65- U.S.N., 41-46. Polit. Sci. Asn; Asn. Adv. Slavic Studies. Communist studies; Eastern Europe and the U.S.S.R.; comparative government; international relations; political theory. Publ: Co-auth, Education and psychology in the U.S.S.R., Monogr. Am. Assn. Clin. Counser, 62; auth, Seventeenth century English millenarianism, J. Student

Res, 58. Address: Massachusetts State College at Boston, 625 Huntington Ave, Boston, Mass. 02115.

SUDMAN, DR. SEYMOUR, b. Chicago, Ill, Aug. 9, 28; m. 51; c. 2. STATISTICS. S.B. Roosevelt, 49; Ph.D., Chicago, 62. Statistician, Roosevelt, 49-51; computer analyst, Chicago, 54-55; chief statist, Mkt. Res. Corp. Am, 55-62; SR. STUDY DIR. STATIST, NAT. OPINION RES. CENTER, UNIV. CHICAGO, 62- AAAS; Statist. Asn; Mkt. Asn; Sociol. Asn; Asn. Pub. Opinion Res. Consumer panel methodology; sampling and survey statistics; market, survey and opinion research; questionnaire wording; general statistical techniques. Publ: Reducing the cost of surveys, Aldine, 67; On the accuracy of recording of consumer panels; J. Mkt. Res, 62; Probability sampling with quotas, J. Am. Statist. Asn, 66. Address: National Opinion Research Center, University of Chicago, 6030 S. Ellis Ave, Chicago, Ill. 60637.

SUEDFELD, DR. PETER, b. Budapest, Hungary, Aug. 30, 35; U.S. citizen; m. 61; c. 2. PSYCHOLOGY. B.A. Queens Col, 60; Walker & Nat. Insts. Health fcls. & M.A., Princeton, 62, Ph.D.(psychol), 63. Res. assoc. PSYCHOL, Princeton, 63-64; vis. asst. prof, Illinois, 64-65; asst. prof, UNIV. COL. RUTGERS, 65-67, ASSOC. PROF. & CHM.N. DEPT, 67- Lectr, Trenton State Col, 63-64. Consult, Peace Corps, 64-67; Drake-Beam Assocs, 66- U.S.A., 55-58; U.S.A.F.R., 1st Lt. AAAS; Psychol. Asn; Soc. Psychol. Study Social Issues. Sensory deprivation; cognitive performance; attitude organization and change; personality theory. Publ: Social processes, W.C. Brown, 66; co-auth, Visual hallucinations in sensory deprivation, Science, 64 & Attitude manipulation in restricted environments, J. Personality & Soc. Psychol, 66. Address: New Jersey Hall, Room 424, Rutgers University, New Brunswick, N.J. 08903.

SUFFA, FREDERICK W(ILLIAM), b. Providence, R.I., Dec. 13, 24; m. 52; c. 3. STATISTICS, MATHEMATICS. B.A. Brown, 44; M.B.A. Columbia, 51. Anal. statistician, U.S. Bur. Labor Statist, 51-54, supv. math. statistician, 54-63; chief statist. standards, off. manpower planning, eval. & res, U.S. Dept. Labor, 63-67; MANPOWER RES. ANALYST, PROCUREMENT POLICY & GEN. RES. OFF. ASST. SECY. OF DEFENSE, 67- U.S.N., 44-46, Res, 46-, Comdr. Statist. Asn; Asn. Comput. Mach. Analysis of manpower supply and factor affecting demand. Publ: Administrative statistics of retraining, Proc. Am. Statist. Asn. Annual Meeting, 65. Address: Office of Assistant Secretary of Defense, Pentagon, Washington, D.C. 20301.

SUFRIIN, PROF. SIDNEY C(HARLES), b. New York, N.Y., Mar. 4, 10; m. c. 3. ECONOMICS. A.B. Pennsylvania, 31; Chicago, 31-33; Rockefeller Found. fel, Ohio State, 35-40, Ph.D. 40. Sr. economist, Bur. Labor Statist, 40-41; mem. staff, War Prod. Bd, 41-42, prin. economist, rubber br, 42; economist, mission econ. affairs, U.S. Embassy, London, Eng, 45-46; PROF. ECON, SYRACUSE, 46- Brook fel. & vis. prof, Queensland, 67. Consult, State Dept. Commerce & Indust, N.Y.; chief spec. mission, Econ. Coop. Admin, Spain, 50-51. U.S.A., 42-45, Lt. Col. Fel. AAAS; Econ. Asn; Indust. Rel. Res. Asn. Labor, business and international economics; labor in underdeveloped countries; wages, employment and industrial organization in the United States. Publ: Unions in emerging societies, 64 & Technical assistance, theory and guidelines, 68, Syracuse Univ; co-auth, What price progress?, Rand McNally, 65. Address: 133 Humbert Ave, Dewitt, N.Y. 13224.

SUGARMAN, DR. DANIEL A(RTHUR), b. New York, N.Y., Mar. 16, 31; m. 59; c. 3. CLINICAL PSYCHOLOGY. A.B. N.Y. Univ, 52; M.A. Columbia, 53, Ph.D. 57. Psychol. intern, Vet. Admin. Hosp, Montrose, N.Y., 53-57; PSYCHOLOGIST, WAYNE PUB. SCHS, 57- Instr, Fairleigh Dickinson, 61-; Columbia, 61-, lectr, 62-; assoc. prof, Paterson State Col, 62-; summer instr, Brooklyn Col, 59 & 60. Private practice, 58- Psychologist, St. Mary's Hosp. & consult, retarded children's clin, 58-61; staff psychologist, St. Joseph's Hosp, 67- Psychol. Asn; Acad. Psychother. Relationship of personality characteristics and perception. Publ: Chap. In: Perceptual changes in psychopathology; co-auth, Seven stories for growth, Pitman, 65; Seventeen guides to knowing yourself, Macmillan, 67. Address: 676 Cambridge Rd, Paramus, N.J. 07652.

SUGDEN, DR. VIRGINIA MAXWELL, b. Xenia, Ohio, July 2, 11; m. 35; c. 2. BUSINESS ADMINISTRATION. A.B. Wellesley Col, 33; M.S. Hofstra, 60; Ph.D.(admin), N.Y. Univ, 65. John Jacob Raskob fel. study abroad, 31; training dir. sys. & procedures, R.H. Macy & Co, Inc, 36-41; lectr. MGT, HOFSTRA, 56-58, instr, 58-60, asst. prof, 60-65, ASSOC. PROF, 65- Management development programs; organization theory; human relations; identification of patterns and principles of administration common to business, education, government, hospitals and scientific and engineering personnel. Publ: Management development programs in selected industries on Long Island, 67 & Common patterns and principles of administration, (in prep), In: Hofstra University Yearbook of Business; auth, Theory X, theory Y, and now theory Z, Trans. Am. Soc. Qual. Control, 4/67. Address: Dept. of Management, Marketing & Business Statistics, Hofstra University, Hempstead, N.Y. 11550.

SUGERMAN, DR. A(BRAHAM) ARTHUR, Psychiat, see 11th ed, Phys. & Biol. Vols.

SUGG, MATILDA ROBINSON, b. Greensboro, N.C., June 9, 10; m. 34; c. 3. LABOR ECONOMICS, STATISTICS. B.S. North Carolina, Greensboro, 31. Statistician, productivity div, BUR. LABOR STATIST, U.S. DEPT. LABOR, 51, training specialist, 51-63, tech. consult, bur. labor statist, P.R. 63-64, chief br. int. tech. coop, 64-68, ECONOMIST LABOR STATIST. & CHIEF DIV. FOR. LABOR CONDITIONS, 68- Labor statist. consult, labor force surv, Taiwan Prov. Govt, 67; manpower consult, Zagreb Int. Trade Fair, Yugoslavia, 67. Mem. submt. labor statist, Inter-Am. Statist. Inst, Pan Am. Union, D.C. 68. Mem. U.S. del. Int. Trade Fair, Buenos Aires, Argentina, 62. Statist. Asn. Labor statistics and their application in developing countries. Publ: Forecasting manpower requirements, 63 & Conducting a labor force survey in developing countries, 64, U.S. Dept. Labor. Address: Division of Foreign Labor Conditions, Bureau of Labor Statistics, U.S. Dept. of Labor, Washington, D.C. 20212.

- SUGGS, DR. ROBERT C(ARL), b. Port Chester, N.Y., Feb. 24, 32; m. 51. ANTHROPOLOGY, HUMAN ENGINEERING. B.A., Columbia, 55, M.A., 56, Ph.D. (anthrop), 59. Asst. anthrop. Am. Mus. Natural Hist., 56-57, 59; sr. engr. human factors, Martin Co., 59-60; assoc. anthropologist, Dunlap & Assocs., Conn., 60-64; sr. staff analyst, Tech. Oper. Inc., 64-66; SR. SCIENTIST, KAMAN SYSTS. CENTER, 66- Consult, McLaughlin Res., 59; human rels. area files, Yale, 64; Center Res. Soc. Systs., D.C., 66- U.S.M.C., 50-52. Fel. AAAS; Ord. Asn. Anthropological and archaeological field research in Polynesia and the United States; applications of behavioral science in government and industry in conceptual development, design and evaluation. Publ: Island civilizations of Polynesia; Hidden worlds of Polynesia; Archaeology of Nuku Hiva, Marquesas Islands, French Polynesia, Am. Mus. Natural Hist. Anthropol. Papers. Address: 2507 Culpeper Rd, Alexandria, Va. 22308.
- SUH, DR. DAE SOOK, b. Lungchingsun, China, Nov. 22, 31; m. 60; c. 1. POLITICAL SCIENCE. B.A., Texas Christian, 56; M.A., Indiana, 58; Ph.D.(govt), Columbia, 64. Res. assoc. E. Asian Inst., Columbia, 64-65; asst. prof. POLIT. SCI., HOUSTON, 65-66, ASSOC. PROF., 67- Vis. assoc. prof., Texas, Austin, 67-68. Polit. Sci. Asn.; Asn. Asian Studies. Asian communism, particularly Korean Communist movement. Publ: The Korean Communist movement, 1918-1948, Princeton, 67. Address: Dept. of Political Science, University of Houston, Houston, Tex. 77004.
- SUH, DR. IL RO, b. Kohung, Korea, Oct. 29, 29; m. 53; c. 6. POLITICAL SCIENCE. B.A., Korea Univ., 52; M.A., Kansas State, 61; Ph.D.(polit. sci.), Nebraska, 64. Asst. prof. POLIT. SCI., Hampton Inst., 64-66; ASSOC. PROF., BAKER, 66- Polit. Sci. Asn.; Asn. Asian Studies. International relations; comparative government of East Asia. Publ: Voting behavior of national judges in international courts, Am. J. Int. Law, 69. Address: Dept. of Political Science, Baker University, Baldwin City, Kans. 66606.
- SUINN, DR. RICHARD MICHAEL, b. Honolulu, Hawaii, May 8, 33; m. 58; c. 4. CLINICAL PSYCHOLOGY. B.A., Ohio State, 55; M.A., Stanford, 57, Ph.D., 59. Psychol. intern. Vet. Admin. Hosps., Ohio & Calif., 55-58; clin. asst. psychol., Stanford, 57-58, counsr., univ. counseling center, 58-59; instr., Whitman Col., 59-60, asst. prof., 60-64; res. assoc. psychol. & rehab. med. sch. med., Stanford, 64-66; ASSOC. PROF. PSYCHOL., Hawaii, 66-68; COLORADO STATE, 68- Prin. investr., Nat. Inst. Ment. Health res. grant, Whitman Col., 63; prin. investr., Voc. Rehab. Admin. res. & develop. grant, sch. med., Stanford, 65-66 & training grant, Univ. Hawaii, 66- Summers, vis. prof., Cent. Wash. State Col., 61, San Jose State Col., 62, Washington (Seattle), 63, & consult, sch. med., Stanford, 66. Consult, Bur. Community Serv., Wash., 61- Psychol. Asn.; Cong. Rehab. Med.; N.Y. Acad. Sci. Personality; behavior psychotherapy; prediction of progress of stroke patients; clinical psychology. Publ: Manual for the Stanford-Kohs block test for the blind, sch. med., Stanford, 66; Self-acceptance and acceptance of others: a learning theory analysis, J. Abnorm. & Soc. Psychol., 63; 37; Anxiety as a drive: recall of perceptually appropriate and inappropriate items, J. Genetic Psychol., 110: 45. Address: Dept. of Psychology, Colorado State University, Ft. Collins, Colo. 80521.
- SUITS, PROF. DANIEL B(URIDGE), b. St. Louis, Mo., June 27, 18; m. 42; c. 2. ECONOMICS. A.B., Michigan, 40, M.A., 41, Ph.D.(econ), 49. Teaching fells. econ., Michigan, 41-42, 46-47, instr., 47-50, asst. prof., 50-52; res. assoc. Nat. Bur. Econ. Res., 52-53; asst. prof. ECON., MICHIGAN, 53-55, assoc. prof., 55-59, PROF., 59-, acting chmn. dept., summer 60, dir. univ. training prog. unemploy. ins. cost anal. & benefit financing, 63. Vis. prof., Kyoto & Doshisha, Japan, 58; res. assoc., Center Econ. Res., Athens, Greece, 62-63; vis. prof., Hawaii, summer 66; lectr., NATO Inst. Forecasting on Sci. Basis, Portugal, Sept., 66. Consult. to Secy. Treas., 61-; Coun. Econ. Adv., 63-; Mich. Dept. Econ. Expansion, 63-; U.S. Arms Control & Disarmament Agency & Calif. Dept. Admin., 64; State of Hawaii, 65. Mem. adv. panel econ., Nat. Sci. Found., 63-65. Fel. Economet. Soc. Economic statistics. Publ: Statistics, an introduction to quantitative economics, Rand McNally, 63; An econometric model of the Greek economy, Center Econ. Res., Athens, Eng. & Greek eds., 64; Economic models for disarmament analysis, U.S. Arms Control & Disarmament Agency, 65. Address: Dept. of Economics, University of Michigan, Ann Arbor, Mich. 48104.
- SULEIMAN, DR. MICHAEL W(ADIE), b. Tiberias, Palestine, Feb. 26, 34; m. 63. POLITICAL SCIENCE. B.A., Bradley, 60; M.S., Wisconsin, 62, Vilas traveling fel., 63-64, Ph.D.(polit. sci.), 65. ASST. PROF. POLIT. SCI., KANSAS STATE, 65-, res. fel., summer 66, res. grants, 66-68. Mem., Inter-Univ. Consortium Polit. Res., Ann Arbor, Mich., Summer 67; Midwest Conf. Polit. Scientists. Polit. Sci. Asn.; Mid. East Studies Asn. N.Am.; Mid. East Inst. Comparative government and international relations, especially Middle East politics; political parties and ideological movements in the Arab world. Publ: Political parties in Lebanon: the challenge of a fragmented political culture, Cornell, 67; An evaluation of Middle East news coverage in seven American newsmagazines, July-December, 1956, Mid. East Forum, fall 65; Elections in a confessional democracy, J. Polit., 2/67. Address: Dept. of Political Science, Kansas State University, Manhattan, Kans. 66502.
- SULLENGER, PROF. T(HOMAS) E(ARL), b. Marion, Ky., Nov. 19, 93; m. 21. SOCIOLOGY. A.B., Oklahoma, 19, A.M., 20; Chicago, 24; Wisconsin, 28; Ph.D., Missouri, 30. Lectr., Richmond Sch. Soc. Work, 21-23; prof. sociol. & head dept., OMAHA, 23-58, dir. bur. soc. res., 31-58, EMER. PROF. SOCIOLOGY, 58- Vis. prof., Xavier, 60-61. U.S.N., 18-19. Sociol. Asn. Juvenile delinquency; child welfare; urban sociology; race relations. Publ: Social determinants of juvenile delinquency; Sociology of urbanization; Neglected areas in family living. Address: 1204 S. 61st St, Omaha, Nebr. 68106.
- SULLIVAN, PROF. ARTHUR M., b. Trinity Bay, Newf., Oct. 5, 32; m. 62; c. 5. PSYCHOLOGY. B.A., Memorial Univ., 54; M.A., Dalhousie, 57; B.A., Oxford, 59; Ph.D.(psychol.), McGill, 64. Psychologist, Hosp. Ment. & Nervous Diseases, 59-60; asst. prof. PSYCHOL., Memorial Univ., 60-62; sessional lectr., McGill, 62-64; assoc. prof. MEMORIAL UNIV., 64-68, PROF. & HEAD DEPT., 68- Consult, Can. Dept. Health, 64- Can. Psychol. Asn.; Am. Psychol. Asn. Human abilities; psychological measurement. Address: Dept. of Psychology, Memorial University of Newfoundland, St. John's, Newf., Can.
- SULLIVAN, PROF. BENJAMIN A(NDREW), b. Milwaukee, Wis., Apr. 17, 15; m.; c. 4. EDUCATIONAL PSYCHOLOGY. B.E., Wis. State Col., 35; M.A., Northwestern, 40, Ph.D.(personnel & guid., tests & measurement, ed. psychol.), 55. Teacher, pub. schs., Wis., 35-41; counsr. psychol. clin., Northwestern, 41-42; psychologist, inductees, U.S. War Dept., 42-43; assoc. prof. student personnel serv., exten. div., WISCONSIN, MILWAUKEE, 46-56, PROF. STUDENT COUNSELING, 56- Dir., Psychol. Serv., 47-49; instr. Wis. State Col., 49-50; summer workshop leader, Ore. State Col., 58-59. U.S.A., 43; U.S.N., 43-46. Psychol. Asn.; Personnel & Guid. Asn. Predication and factors associated with academic success at the college level; improving achievement of the potentially superior but underachieving student. Publ: Technique for evaluating student criticism of grading practices, J. Ed. Res.; Parent reaction to college counseling reports, Personnel & Guid. J. Counseling and moral values, Cath. Psychol. Record, fall 63. Address: Dept. of Student Counseling, University of Wisconsin, Milwaukee, Wis. 53211.
- SULLIVAN, C(HARLES) MERYL, b. Harrisburg, Pa., June 12, 12; m. 58; c. 1. ECONOMICS. A.B., Harvard, 34; M.S., Georgetown, 47. Dir. death benefits dept., United Mine Workers Welfare & Retirement Fund, 47-48; asst. dir., res., Nat. Broadcasters, 48-50; dir. labeling res., Nat. Canners Asn., 50-58; exec. v-pres., Nat. Asn. Textile & Apparel Wholesalers, 58-66; CONSULT. IN ORGN. MGT., 66- Marketing research. Address: 1518 K St, N.W., Suite 508, Washington, D.C. 20005.
- SULLIVAN, DR. CLARA K(ATHERINE), b. Brooklyn, N.Y., Apr. 4, 15; m. 48. ECONOMICS, SOCIOLOGY. A.B., Mt. Holyoke Col., 36; A.M., Columbia, 43, Ph.D., 59. Economist, Chase Bank, 43-48; instr., int. prog. in taxation & econ. anal., world tax series, law sch., Harvard, 59-67; ED. ECON., HOUGHTON MIFFLIN CO., 67- Econ. Asn. International economic integration; sales taxation; incentive taxation. Publ: The search for tax principles in the European economic community, Harvard Law Sch. Int. Prog. Taxation, 63; The tax on value added, Columbia, 65; Sales taxes in the European economic community, Report Proc. 16th Annual Tax Conf. Can. Tax Found., 11/62. Address: 112 Manthorne Rd, West Roxbury, Mass. 02132.
- SULLIVAN, DR. CORNELIUS DANIEL, b. Rochester, N.Y., May 18, 14; m.; c. 3. POLITICAL SCIENCE. B.A., Toronto, 37, M.A., 38; Harvard, 42; Wisconsin, 43; Ph.D.(polit. sci.), Georgetown, 58. Assoc. prof. polit. sci., Kenyon Col., 62-65; DIR. RES. PUB. POLICY, CENTER STRATEGIC STUDIES, GEORGETOWN, 65- Assoc. Prof. philox, U.S. Air Force Acad., 54-58; prof. lectr., Maryland, 57-63. Consult, Bendix Corp., 63-65. U.S.A.F., 41-63, Col. Polit. Sci. Asn.; Acad. Polit. & Soc. Sci.; Philos. Asn. Arms control and disarmament; national security policy; comparative international politics. Publ: Co-auth., Arms control and disarmament, 66, The Soviet technological challenge, 67 & the Vietnam war—its conduct and higher direction, 68, Center Strategic Studies, Georgetown Univ. Address: Center for Strategic Studies, Georgetown University, 810 18th St. N.W., Washington, D.C. 20006.
- SULLIVAN, DR. DANIEL J(OSEPH), JR., b. Worcester, Mass., July 3, 18; m. 47; c. 4. PERSONNEL PSYCHOLOGY. B.S., Mass. State Col.(Fitchburg), 41; A.M., Columbia, 46; Ed.D., Rutgers, 60. Prin. pub. sch., Vt., 41-43; voc. counsr., Rutgers, 46-48, dir. guid. center, 48-51; mgr. prfl. selection, JOHNSON & JOHNSON, 51-57, mgr. personnel rels., 57-64, DIR. MAN-POWER, 64- U.S.A., 43-46, Res., 49-, Maj. AAAS; Psychol. Asn. Personnel selection; testing; interviewing; executive training and development. Address: Johnson & Johnson, New Brunswick, N.J. 08903.
- SULLIVAN, DR. E(DWARD) T., b. Flushing, N.Y., June 28, 20; m. 54; c. 1. FOREST ECONOMICS. B.S.F., N.C. State Col., 46; M.F., Duke, 47, D.F., 53. Acct., south. woodlands dept., W. Va. Pulp & Paper Co., 47-50; vis. instr. forest econ., sch. forestry, Duke, 50-51; asst. prof. forestry, Minnesota, 54-59; ASSOC. PROF. FOREST ECON., FLORIDA, 59- Econ. Asn.; Soc. Am. Foresters. Marketing of forest products; demand for pulpwood. Publ: Economics of inspection and ground line treatment, Proc. Southeast Wood Pole Conf.; Study of Christmas tree prices in the St. Paul-Minneapolis market & Pine pulpwood prices in the southeast, J. Forestry. Address: School of Forestry, University of Florida, Gainesville, Fla. 32601.
- SULLIVAN, PROF. EDWIN V(OSE), b. Eastport, Maine, Oct. 19, 20. SOCIOLOGY. A.B., Seton Hall, 42; M.A., Fordham, 51; N.Y. Univ., 51-52; Ph.D.(hist), Ottawa (Ont), 56. Instr. sociol. & hist., Seton Hall Prep. Sch., 46-57; assoc. prof. SOCIOLOGY, SETON HALL, 57-60, PROF., 66-, CHMN. DEPT., 65- Consult, N.J. Adv. Cmt., Nat. Cmn. Civil Rights, 65- Sociol. Asn.; Soc. Study Social Probs. Inter-group relations; social problems. Publ: Co-auth., Centennial history of Seton Hall University, Seton Hall Univ., 56. Address: Dept. of Sociology, Seton Hall University, South Orange, N.J. 07079.
- SULLIVAN, PROF. HELEN BLAIR, b. Fall River, Mass., June 15, 03. PSYCHOLOGY. B.S., Boston, 36, M.A., 37; Ph.D., Harvard, 43. Asst. prof., psycho-ed. clin., BOSTON, 36-40, assoc. prof. CLIN. & ED. PSYCHOL., 40-44, PROF., 44- Consult, Europe, U.S. & Can., 62- Mem. Coun. Except. Children. AAAS; Psychol. Asn. Mental and achievement testing; improving programs for gifted children; studies of the mentally retarded. Publ: Basic reading ability series; Sullivan primary reading abilities tests; Sullivan primary-intermediate capacity tests, Harcourt. Address: 21 Centre St, Yarmouth Port, Mass. 02675.
- SULLIVAN, DR. JAMES PATRICK, U.S. Hist. Polit. Sci., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SULLIVAN, PROF. JOHN C(AVANAUGH), b. Conn., Feb. 19, 04; m. 37; c. 2. EDUCATIONAL PSYCHOLOGY. B.S., Connecticut, 29; M.A., Columbia, 30, Ph.D., 40. Instr. psychol., Western Michigan, 30-34; asst. ED. PSYCHOL., Teachers Col., Columbia, 34-37; PROF., WAYNE STATE, 37- Psychol. Asn. Learning; child growth and development. Address: Dept. of Educational Psychology, Wayne State University, 474 W. Warren Ave, Detroit, Mich. 48202.
- SULLIVAN, PROF. JOHN WILLIAM, b. St. Paul, Minn., Apr. 22, 21; m. 40; c. 4. ADMINISTRATIVE SCIENCE, PUBLIC ADMINISTRATION. B.S., Southern California, 56, M.S., 57, D.P.A.(mgt. & comput. sci.), 61. Civil eng. asst.

Dept. Roads, County of Los Angeles, 54-57; sr. admin. asst., Bur. Eng., City of Los Angeles, 57-60; mkt. mgr. comput., Univac Div., Sperry-Rand Corp., 60-62; prof. admin. & polit. sci., Wayne State, 62-64; prof. admin. & dean, col. bus. & pub. admin., FLORIDA ATLANTIC, 64-67, PROF. ADMIN. SCI., 67- Lectr., sch. eng., Southern California, 56-58, sch. pub. admin., 58-61; vis. prof., col. ed., Michigan, 63. U.S.M.C., 40-45, 50-51, T/Sgt. Sys. & Procedures Asn.; Asn. Ed. Data Sys. (pres., 66-67). Utilization of computers in organizations; impact of technology to people and institutions, especially in education for preparation of youth in the age of automation. Publ: Scientific office automation, Univ. Southern California Bookstore, 58; co-auth., Introduction to electronic data processing, Lincoln Inst., 62; auth., Long-range systems information planning, Ideas for Mgt., 66. Address: College of Business & Public Administration, Florida Atlantic University, Boca Raton, Fla. 33432.

SULLIVAN, DR. JOSEPH D(EUEL), Psychiat, see 11th ed, Phys. & Biol. Vols.

SULLIVAN, DR. PATRICK L(EE), b. Chicago, Ill., Oct. 18, 19; m. 46; c. 3. PSYCHOLOGY. Ph.D., California, 50. Instr. psychol., Mich. State Col., 50-51; chief clin. psychologist, Vet. Admin., Oakland, Calif., 51-55; assoc., Edward Glaser & Assocs., Calif., 55-59; PARTNER, 59-61; Glaser, Snowden & Assocs., 59-61; SNOWDEN, SULLIVAN & GOODWIN, 61- Asst. prof., San Francisco State Col., 55-56. Psychol. Asn. Perception as related to personality; tests and measurements; psychotherapy. Publ: An objective configural analysis technique, J. Consult. Psychol.; Misanthropy and Ethnocentrism, J. Abnorm. & Soc. Psychol.; A treatment evaluation program, Vet. Admin. Info. Bull. Address: 3485 Springhill Rd., Lafayette, Calif. 94549.

SULLIVAN, DR. PAUL WAYNE, b. Calumet, Mich., June 27, 30; m. 61; c. 2. PSYCHOLOGY. B.A., Michigan, 52; M.A., Wayne State, 54, Ph.D., 60. Court psychologist, Oakland County Juvenile Court, 54-55; psychologist, pub. schs., Mich., 55-57; psychol. intern., Lafayette Clin., Detroit, 57-58; DIR RAY-SWIFT GABLES, INC., 58-; ASSOC. PROF. PSYCHOL., WAYNE STATE, 60- Psychol. Asn. Effects of verbal reward; punishment on concept learning in children. Address: 35395 Pound Rd., Richmond, Mich. 48062.

SULLIVANT, PROF. ROBERT S(COTT), b. Williams, Ariz., Jan. 23, 25; m. 52; c. 3. POLITICAL SCIENCE. B.A., California, Los Angeles, 47, M.A., 48; MacClintock fel., Chicago, 48-49, univ. fel., 49-50, Ph.D., 58; Moscow State, 61. Instr. int. rels., South Dakota, 51-54; sr. res. analyst Soviet studies, Georgetown, 54-59; assoc. prof. int. rels. & Soviet studies, DePaul, 59-65; PROF. SOVIET & COMP. STUDIES & CHMN. DEPT., MISSOURI, ST. LOUIS, 65- Soc. Sci. Res. Coun. Pub. grant, 59; Inter-Univ. Cmt. Travel Grants award, Moscow State, 60; vis. assoc. prof., Chicago, 62-63. Consult., Atlantic Res. Corp., 68- U.S.A.A.F., 43-46, 2nd Lt. Polit. Sci. Asn.; Soc. Int. Law; Asn. Adv. Slavic Studies; Int. Peace Res. Asn. Soviet studies; domestic and foreign policies and politics of the Soviet Union, especially nationality policy toward the Ukraine and other minority areas and internal party politics. Publ: Soviet politics and the Ukraine; Agrarian-industrial dichotomy in the Ukraine as an aspect of Soviet nationality policy, Ann. Ukrainian Acad. The Ukrainians, Probs. Communism, 9-10/67. Address: Dept. of Political Science, University of Missouri, 8001 Natural Bridge, St. Louis, Mo. 63121.

SULTAN, PROF. PAUL E., b. Vancouver, B.C., Jan. 26, 24; m. c. 1. ECONOMICS. B.A., British Columbia, 47; fel., Cornell, 47-50, M.A., 49, Ph.D. (econ), 50. Asst. prof. labor econ., Buffalo, 50-54; assoc. prof. finance, Southern California, 54-59; PROF. ECON. CLAREMONT UNIV. COL. 59-Summer lectr., Seminar Am. Studies, Salzburg, Austria, 51. Consult., Orange County Jr. Col., 65-66; field reader, U.S. Dept. Health, Ed. & Welfare, 66-Chmn. labor sect., Nat. Conf. Christians & Jews, Southern California, 66-Effect of union security arrangements on labor-management relations. Publ: Labor economics; Right to work laws: a study in conflict, Monogr. Inst. Indust. Rel., Univ. California, Los Angeles. Address: Dept. of Economics, Claremont Graduate School, Tenth & College, Claremont, Calif. 91711.

SULTAN, DR. RALPH G.M., b. Vancouver, B.C., June 6, 33; m. 56; c. 3. MARKETING, ECONOMICS. B.A.Sc., British Columbia, 56; Baker scholar, Harvard, 59, M.B.A., 60, Ford Found. fcls., 62-63 & 63-64, M.A., 64, Ph.D. (econ), 65. Tech. rep., Union Carbide Corp., 56-58; res. asst., HARVARD, 60-61, instr., 64, ASST. PROF. MKT., 65- Consult., Econ. Coun. Can., 65; Coca-Cola Co., 66-68; Banco Cent. de Nicaragua, 67; Murphy Oil Corp., 68. Econ. Asn.; Mkt. Asn. Publ: Co-auth., Problems in Marketing, McGraw, 68. Address: Morgan Hall, Harvard Business School, Boston, Mass. 02163.

SULZER, DR. EDWARD S(TANTON), b. New York, N.Y., June 4, 30; m. 53; c. 3. PSYCHOLOGY. A.B., City Col. New York, 53; A.M., Columbia, 54; Ph.D. (psychol), 59. Asst. PSYCHOL., Teachers Col., Columbia, 53; trainee, Vet. Admin., 54, 56-58; instr., dept. psychiat., State Univ. N.Y. Upstate Med. Center, 58-60; Minnesota, 60-62, asst. prof., 62-65; ASSOC. PROF. REHAB. INST., SOUTHERN ILLINOIS, 65- Clin. psychologist, Syracuse Psychiat. Hosp., 58-60. Consult., Vet. Admin., 63- U.S.A., 54-56- AAAS; Psychol. Asn.; Psychonomic Soc.; Soc. Res. Child Develop. Human behavior and its social consequences; learning and teaching; behavior modification; experimental analysis of behavior. Address: Rehabilitation Institute, Southern Illinois University, Carbondale, Ill. 62901.

SULZER, DR. JEFFERSON LEWIS, b. Macon, Ga., Mar. 29, 27; m. 54; c. 3. PSYCHOLOGY. B.A., Tulane, 60, South. fel., 60-63, M.S., 61; Nat. Sci. Found. fel., Florida, 63-64, Ph.D. (psychol), 64. Instr. PSYCHOL., Florida, 63-64; asst. prof., NEWCOMB COL., TULANE, 64-67, ASSOC. PROF., 67- Nat. Sci. Found. collab. res. attribution of responsibility, 65- Consult., criminal sheriff, Orleans Parish, New Orleans, 66. U.S.N.R., 44-46. Psychol. Asn. Social perception; cognitive theory; moral judgement; attribution of social responsibility. Publ: Co-auth., An empirical test of Heider's levels in attribution of responsibility, J. Abnorm. & Soc. Psychol., 64; auth., Chiropractic healing as psychotherapy, Psychother., 65; co-auth., Responsibility attribution, empathy, and punitiveness, J. Personality, 68. Address: Dept. of Psychology, Newcomb College of Tulane University, New Orleans, La. 70118.

SULZER, DR. RICHARD L(EE), b. Englewood, N.J., Mar. 21, 25; m. 49; c. 4. PSYCHOLOGY. A.B., Duke, 47, M.A., 50, Ph.D. (psychol), 54. Res. psychol-

ogist, Human Resources Res. Labs, U.S. AIR FORCE, 49-50, Personnel & Training Res. Center, 53-55, electronic sys. div., 55-62, chief air environ. sect., NAT. AVIATION FACILITIES EXP. CENTER, 62-65, TEAM LEADER RES. PSYCHOL., 65- Mem. exec. coun., cmt. vision, Armed Forces-Nat. Res. Coun., 67- U.S.N.R., 43-46, Lt. Psychol. Asn. Human engineering and learning; visual perception. Address: 204 Hemlock Dr., Linwood, N.J. 08221.

SUMBERG, DR. THEODORE A., b. New York, N.Y., Oct. 1, 16; m. 48. ECONOMICS. B.S.S., City Col. New York, 39; Soc. Sci. Res. Coun. fel., New Sch. Soc. Res., 46-47, Ph.D. (econ), 50. Economist, U.S. Govt., 42-44; Fed. Reserve Bank N.Y., 44-46; Banco de Guatemala, 50-51, adv., 55; economist, Union Bank Burma, 51-52; U.S. Govt. Missions, Taiwan & Indochina, 53; Ministerio de Econ., Nicaragua, 53-55; adv., Centro de Estudios Monetarios Latinoamericanos, Mex., 56-59; econ. adv., Pan-Am. Union, D.C., 59-61; UN Tech. Asst. Mission, Togo, 61; prin. adminstr., Orgn. Econ. Develop., France, 62-63; mem. staff, U.S. Dept. State, 63-67; INTER-REGIONAL ADV., UN, 68- Econ. Asn. International economics; underdeveloped countries; monetary theory. Publ: Financial experience of UNRRA, Am. J. Int. Law; Soviet Union's war budgets, Am. Econ. Rev.; Toynebee and the decline of Western civilization, Social Res. Address: 5802 Wilmet Rd., Bethesda, Md. 20034.

SUMICHRIST, DR. MICHAEL M., b. Trencin, Czech, Mar. 31, 21; U.S. citizen; m. 50; c. 3. ECONOMICS, FINANCE. B.S., Bratislava, 47; Melbourne, 53; M.B.A., Ohio State, 59, Ph.D. (bus. orgn), 62. Asst. mgr., J.J. Clift Co., Ltd., Australia, 50-55; supvr., Carlyle Construct. Co., N.Y., 55-57; consult. engr., Techum Corp., Ohio, 57-58; prod. mgr. & dir. mkt. res., Ernest G. Fritzsche & Co., 58-62; asst. economist, NAT. ASN. HOME BUILDERS, D.C., 63-64, assoc. economist, 64-66, CHIEF ECONOMIST, 66- Lectr., American Univ., 66-67, assoc. prof., 67- Prinl. consult., Nat. Acad. Sci., 67-68. Chmn. econ. cmt., Nat. Housing Coun., 64-66; co-chmn. statist. cmt., Construct. Indust. Joint Conf., 64-68; secy-treas., Homer Hoyt Inst., 67-68. Mkt. Asn.; Econ. Asn.; Nat. Asn. Bus. Econ. Urban economics, especially residential housing. Publ: An anatomy of satellite housing, 64, co-auth., Components of future housing demand, 66 & Demolition and other factors in housing replacement demand, 67, Homebldg. Press. Address: 11527 Le Havre Dr., Potomac, Md. 20854.

SUMMER, DR. C(HARLES) E(DGAR), b. Newton, Miss., June 13, 23. BUSINESS MANAGEMENT. A.B., Col. of William & Mary, 47, M.B.A., Pennsylvania, 48; Ph.D., Columbia, 57. Economist, Texaco, Inc., 48-50; mgr. res., Booz, Allen & Hamilton, 52-55; lectr. ORGN. & MGT. GRAD. SCH. BUS. COLUMBIA, 55-57, ASSOC. PROF., 57-, COORDINATOR, ARDEN HOUSE EXEC. PROG., 60- Vis. prof., Southern California, 61; prof., Inst. Studies Methods & Dir. Bus., Lausanne, 67-68. Consult., Pharmaceut. Mfrs. Asn., 60-; Gen. Elec. Co., 60-66; Scott Foresman Co., 64-; Nat. Coun. Churches, 65-66. U.S.A.A.F., 43-46, 1st Lt. Inst. Mgt. Sci.; Soc. Appl. Anthropol. Organization theory, including human behavior in large organizations; influence of technology and economics on structures and leadership patterns necessary for efficiency in large organizations. Publ: Co-auth., The process of management; Behavioral sciences and management, Scott, 68; auth., Managerial mind, Harvard Bus. Rev. Address: School of Business, Columbia University, New York, N.Y. 10027.

SUMMERFIELD, DR. JOHN R(OBERT), b. St. Paul, Minn., Feb. 21, 17; m. 45. ECONOMICS. S.B., Mass. Inst. Tech., 38; M.B.A., California, 47, Ph.D. (econ), 54. Asst. California, 46-49, lectr. bus. admin., 49-52; asst. prof. indust. mgt., Mass. Inst. Tech., 52-54; economist, Cent. Intel. Agency, 54-56; Rand Corp., 56-62; dir. econ. studies, Douglas Aircraft Co., Inc., 62-66; V.PRES. ECON. PLANNING, WEST. AIRLINES, INC., LOS ANGELES, 66- Consult., Arthur D. Little, Inc., 52-54; Calif. Dept. Finance, 64- Mem. West Coast Mkt. Res. Coun., Nat. Indust. Conf. Bd., 66-68. U.S.N.R., 42-45, Lt. Econ. Asn.; Opers. Res. Soc.; Nat. Asn. Bus. Econ.; Inst. Mgt. Sci.; Inst. Strategic Studies. Production, defense and transportation economics; logistics. Publ: A model for evaluating fleets of transport aircraft, Proc. Int. Conf. Oper. Res.; Compatibility of military and commercial airlift requirements, Proc. Inst. Aerospace Sci.; Some comments on military transportation systems, Proc. Conf. Nat. Security & Res. in Logistics. Address: 1326 Goucher St., Pacific Palisades, Calif. 90272.

SUMMERS, DR. GENE FRANKLIN, b. Whitewater, Mo., Dec. 28, 36; m. 55; c. 4. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.S., Tennessee, 59, Nat. Defense Ed. Act fel., 59-62, Ph.D. (sociol), 62. Teaching fel. SOCIOL., Tennessee, 60-61; instr., Indiana State, 62-63, asst. prof., 63-64; Nat. Inst. Mental Health fel., Wisconsin, 64-65; ASST. PROF., ILLINOIS, URBANA, 65- Summer vis. asst. prof., Vanderbilt, 63 & 64. Fel. Sociol. Asn.; Nat. Coun. Measurement in Ed. Sociology of education; community sociology. Publ: Morale research in industry, Personnel Admin., 65; co-auth., Effect of racial characteristics of investigator on self-enumerated responses to a prejudice scale, Soc. Forces, 66 & Self-attitude consequences of forced compliance, Sociol. Quart., 66. Address: Dept. of Sociology, University of Illinois, Urbana, Ill. 61801.

SUMMERS, PROF. GEORGE W(ILLIAM), b. Walsenburg, Colo., Oct. 9, 22; m. 48; c. 4. ECONOMICS, STATISTICS. B.S., U.S. Naval Acad., 44; B.A., Colorado, 49, M.A., 50; Ph.D. (opers. res.), Case, 61. Instr. statist., Minnesota, 50-51; res. specialist, Prudential Ins. Co. Am., 51-52, asst. economist, 52-53, res. mgr., 53-56; res. assoc., opers. res. group, Case, 56-59; from asst. prof. to assoc. prof. gen. bus., Arizona State, 59-62; adv. quant. methods, Inst. Bus. Admin., Karachi, Pakistan, 62-64; assoc. prof., grad. sch. bus. admin., Illinois, Urbana, 64-65; dir. surv. res., Am. Med. Asn., Ill., 65-66; PROF. MGT. & RES. ADV., ARIZONA, 66- U.S.N., 41-46, Lt.(jg). Opers. Res. Soc.; Statist. Asn. Management controls and processes; quantitative methods. Publ: Auth., Financing and initial operations of new firms, 62 & co-auth., Statistical analysis for business decisions, 68, Prentice-Hall; auth., Selection techniques for Pakistani postgraduate students of business, Ed. & Psychol. Measurement, 65. Address: Dept. of Management, University of Arizona, Tucson, Ariz. 85721.

SUMMERS, LIONEL MORGAN, b. Madrid, Spain, Nov. 20, 05; U.S. citizen; m. 30; c. 2. POLITICAL SCIENCE, INTERNATIONAL LAW. B.S., Princeton, 27; LL.B., George Washington, 30; Am. Field Serv. fel. & cert., Hague Acad. Int. Law, 30; cert. Int. Inst. Adv. Studies, Paris, 31. Res. asst. Mex-

- ican diplomatic hist, Columbia, 30; int. law, Law Library Cong, 31-33; law clerk, Burlingame, Nourse & Pettit, 33-34; attorney int. law, Agency U.S. Gen. Claims Arbit, U.S. & Mex, 34-36; attorney, Rural Elec. Admin, 36-43; legal officer, U.S. Dept. State, 43-47, for. serv. reserve officer & legal adv, Am. Embassy, Italy, 47-52, for. serv. officer, Off. Legal Adv. & Off. Personnel, 52, counsr. of legation, Tripoli & Benghazi, Libya, 52-54, consul gen, Yokohama, 56-59, suprvy. consul gen, Tokyo, 59-60, dean sch. for affairs, For. Serv. Inst, 60-62; ASSOC. PROF. POLIT. SCI. ROLLINS COL, 62- U.S. mem, U.S.-Japanese Property Cmn, 56-62. Soc. Int. Law. Problems of the developing nations; comparative government; international organizations. Publ: Co-auth, The U.S.-Japanese Property Commission, Am. J. Int. Law, 62 & Decisions of U.S.-Japanese Property Commission, Reports Int. Arbit. Awards, 67; auth, International arbitration, World Peace Through World Law Conf, 67. Address: Dept. of Political Science, Box 138, Rollins College, Winter Park, Fla. 32789.
- SUMMERS, PROF. MARVIN RUBEN, b. Shirley, Mo, Aug. 21, 21; m. 48; c. 1. POLITICAL SCIENCE. B.S. Southwest Mo. State Col, 49; M.A. Iowa, 50, Ph.D. 53. Instr. POLIT. SCI. Mich. Col. Min. & Tech, 52-54; asst. prof, WISCONSIN, MILWAUKEE, 54-62, ASSOC. PROF, 62- U.S.N.R. 43-46, Lt.(jg). Polit. Sci. Asn. American constitutional law, especially organization, structure, and function of the national judiciary. Publ: Ed, Free speech and political protest, Heath, 67; Comparative study of the qualifications of state and federal jurors, Wis. Bar Bull; Factors that influence choice of forum in diversity cases, Iowa Law Rev. Address: 2843 N. Marietta, Milwaukee, Wis. 53211.
- SUMMERS, PROF. ROBERT, b. Gary, Ind, June 20, 22; m. 53; c. 3. ECONOMICS. B.S. Chicago, 43; Cambridge, 51-52; Ph.D.(econ), Stanford, 56. Acting instr. econ, Stanford, 50-51; instr, Yale, 52-56, asst. prof, 56-59, mem. staff, Cowles Found. Res. Econ, 55-59; economist, Rand Corp, 59-60; assoc. prof. ECON, PENNSYLVANIA, 60-67, PROF, 67- Ford Found. faculty fel, 66-67. U.S.A. 44-46. Econ. Asn; Statist. Asn; Economet. Soc. Economic theory; econometrics; statistics; application of electronic computers to economics and statistics. Publ: Co-auth, Studies in the micro-economics of development, Springer, 67 & The Wharton index of capacity utilization, Econ. Res. Unit, Univ. Pennsylvania, 67. Address: Dept. of Economics, University of Pennsylvania, Philadelphia, Pa. 19104.
- SUMMERS, PROF. ROBERT E, b. St. Joseph, Mo, Feb. 25, 18; m. 46; c. 2. COMMUNICATIONS. B.S. Kans. State Col, 40; M.A. Ohio State, 51, Ph.D. (speech), 55. Suprvy. analyst, Opinion Res. Corp, N.J. 43-44; exec. asst, Nat. Asn. Mfr, N.Y. 44-45; mkt. analyst, Vick Chem. Co, 45-46; sales promotion mgr, Sta. WFAA, Tex, 46-50; asst. prof. journalism, Oregon, 52-55; assoc. prof. telecommun, Southern California, 55-60; acad. coordinator radio & TV, Univ. Texas, 60-64; chmn. dept, Ohio Univ, 64-66; PROF. COMMUN. SCH. PUB. COMMUN, BOSTON, 66- Summer lectr, Ceylon, Malaysia & Taiwan, 64 & ed. broadcast media inst, Univ. Mississippi, 67. Mgr. Ore. State Broadcasters Asn, 52-55; consult, Nigerian Broadcasting Corp, 64. Ed, J. Broadcasting, Univ. Southern California, 57-60. A.U.S. 43. Speech Asn. Communications in developing nations; broadcast economics and earnings; audience trend analysis. Publ: America's weapons of psychological warfare, 51 & U.S. and international organizations, 52, Wilson; co-auth, Broadcasting and the public, Wadsworth, 66. Address: 8 Upland Rd, Wellesley, Mass. 02181.
- SUMMERS, DR. STANLEY A(LAN), b. Philadelphia, Pa, July 28, 26; m. 53. PSYCHOLOGY. B.A. California, Los Angeles, 51, M.A. 58, Ph.D.(psychol), 59. Asst. PSYCHOL, Southern California, 52-54; California, Los Angeles, 56-58; asst. prof, SAN FERNANDO VALLEY STATE COL, 59-63, ASSOC. PROF, 63- U.S.N. 44-46. Psychol. Asn. Cognitive processes; complex learning; memory. Publ: Learning of responses to multiple weighted cues; co-auth, Facilitation of problem solving by prior exposure to uncommon responses, J. Exp. Psychol; auth, Alternative bases for choice in probabilistic discrimination, J. Exp. Psychol, spring 68. Address: Dept. of Psychology, San Fernando Valley State College, Northridge, Calif. 91324.
- SUMMERS, PROF. WILLIAM FRANCIS, b. St. John's, Newf, Sept. 13, 19; m. 50; c. 7. GEOGRAPHY. B.Sc. Dalhousie, 48; M.Sc. McGill, 49, Ph.D. (geog), 57. Lectr. GEOG, McGill, 50-55, asst. prof, 55-59; assoc. prof, MEMORIAL UNIV, 60-65, PROF, 65- Mem. Can. Coun. Urban & Regional Res, 64-67; Nat. Adv. Coun. Geog, Res, 67- R.C.A.F. 41-45, Sgt. Atlas of Newfoundland; natural and recreational resources; resource use; population analysis of Newfoundland. Publ: Co-auth, Geography of Newfoundland, Copp-Clark, 66. Address: Dept. of Geography, Memorial University of Newfoundland, St. John's, Newf, Can.
- SUMMERSELL, PROF. CHARLES GRAYSON, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SUMMERSKILL, PRES. JOHN, b. Montreal, Que, Mar. 25, 28; m. 48; c. 2. CLINICAL PSYCHOLOGY. B.A. McGill, 46; Ph.D.(psychol), Pennsylvania, 53. Asst. instr. psychol, Pennsylvania, 47-49, instr, 49-50; intern, Phila. Gen. Hosp, 50-51; asst. prof, Cornell, 51-54, assoc. prof, 54-58, clin. psychologist, 51-58, v.pres. student affairs, 58-66; PROF. PSYCHOL. & PRES, SAN FRANCISCO STATE COL, 66- Can. Army, 43-45, Lt. Col. Health Asn. (secy-treas, 56-58). Academic and personal adjustment of college students. Publ: Co-auth, Emotional adjustment and dieting performance, J. Consult. Psychol, Sex differences in adjustment to college, J. Ed. Psychol. & Factors affecting the incidence of upper respiratory complaints in college students, Student Med. Address: Dept. of Psychology, San Francisco State College, San Francisco, Calif. 94132.
- SUMMIT, DR. ROGER K(ENT), b. Detroit, Mich, Oct. 14, 30; m. 64; c. 2. MANAGEMENT SCIENCE. A.B. Stanford, 50, M.B.A. 58, Ph.D.(mgt. sci), 66. Math. analyst, LOCKHEED MISSILES & SPACE CO, 60-63, mgt. scientist, 63-65, RES. SCIENTIST, PALO ALTO RES. LAB, 65- Asst. prof, sch. mgt, San Jose State Col, 65- Consult, Int. Bus. Mach. Corp, 64-66. U.S.N. 52-55, Lt.(jg). Inst. Mgt. Sci; Asn. Comput. Mach; Soc. Info. Sci. Information retrieval; simulation. Publ: DIALOG—an on-line reference retrieval system, Proc. Asn. Comput. Mach, 67. Address: 13390 Lenox Way, Los Altos Hills, Calif. 94022.
- SUMMO, PROF. ANTHONY J(OSEPH), b. New Rochelle, N.Y, Mar. 21, 25; m. 50; c. 5. PSYCHOLOGY. B.S. Fordham, 48, M.A. 51; Ed.D. Columbia, 58. Instr. psychol. & ed, Villanova, 51-53; assoc. prof. psychol, MANHATTAN COL, 53-67, DEVELOP. READING CONSULT, 54-, CHMN. DEPT. PSYCHOL, 66-. PROF, 67- Lectr, exten. div, Fordham, 53-56; staff psychologist, Youth Inst, Ossining, N.Y. 58-; private practice, 58- U.S.A. 42-46; U.S.A.F. 46-59, Lt. AAAS; Psychol. Asn; fel. Soc. Clin. Hypnosis. Educational psychology; learning; humor; experimental hypnosis. Publ: Control of inappropriate blushing; The counselor and individual psychological testing; The use of hypnosis in college counseling. Address: Dept. of Psychology, Manhattan College, Riverdale, Bronx, N.Y. 10471.
- SUMNER, PROF. RAIFORD E, b. Asheville, N.C, Sept. 29, 14; m. 53. POLITICAL SCIENCE. B.A. Tennessee, 37; M.A. Mississippi, 40; Oxford, 53; M.A. Ed, North Carolina, 57. Area mgr, War Manpower Cmn, 41-46; prof. hist, Marion Inst, 46-48; PROF. POLIT. SCI, MARY WASHINGTON COL, VIRGINIA, 48- Acad. Polit. Sci; Acad. Polit. & Soc. Sci; Am. Studies Asn; Polit. Sci. Asn. General study of administrative law; administration and supervision of personnel; city and state merit systems. Publ: Citizen and administrative law; American settlers in British Honduras; All Negro town of Mound Bayou, Mississippi. Address: Dept. of Political Science, Mary Washington College, University of Virginia, Box 1275, College Station, Fredericksburg, Va. 22401.
- SUMRALL, DEAN W(ILLIAM) H(ERBERT), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.
- SUN, DR. EMILY M(UNG-CHIO) C(HAO), b. Hangchow, China; m. 51; c. 3. ECONOMICS. B.A. Chiao Tung Univ, 45; M.A. Michigan, 50, Ph.D. 57. Prof. ECON, Northland Col, 57-64; ASSOC. PROF, MANHATTAN COL, 64- Econ. Asn; Statist. Asn; Finance Asn; Asn. for Ed. Int. Bus. International economics and business; monetary theory. Address: 185-47 80th Rd, Jamaica, N.Y. 11432.
- SUN, DR. HO SHENG, b. Ching Kiang, China, June 11, 23; m. c. 1. ECONOMICS, AGRICULTURAL ECONOMICS. B.A., St. John's (China), 45; M.S. Mich. State, 48, Grad. Coun. fel, 51-53, Ph.D. 54. Asst. Mich. State, 52-53; mgr. media res, Toni Co, 55-60; dir. media res, Post, Keys & Gardner, Inc, 60-63; eng. specialist, Litton Data Sys, 63-67; ECONOMIST, JET PROPULSION LAB, 67- Agr. Econ. Asn; Mkt. Asn; Statist. Asn. Advertising media research and budgeting; statistical analysis; cost effectiveness; reliability engineering; advertising and marketing research. Publ: Financial ratio analysis of Michigan farm cooperatives. Address: 16252 Keeler Dr, Granada Hills, Calif. 91344.
- SUN, PROF. NORMAN (NIEN-MIN), b. China, Nov. 6, 16; nat; m. 51. ECONOMICS. B.A. Yenching Univ, China, 40; Ph.D. Southern California, 50. From assoc. prof. to prof. ECON. & chmn. dept, Park Col, 47-59; PROF, Int. Christian Univ, Japan, 59-68; TEMPLE, 68- Fulbright grant, Thailand, 56-57; vis. prof, Swarthmore Col, 62-63; Temple, 66-67. Econ. Asn; Asn. Asian Studies; Regional Sci. Asn. Economic development; international economics. Publ: Prospects and problems of trade between Japan and Mainland China; Economic and social problems of the Far East, Hong Kong Univ, 62; The effects of military expenditure upon the economic growth of Japan, Int. Christian Univ, Japan, 67. Address: Dept. of Economics, Temple University, Philadelphia, Pa. 19122.
- SUNDAL, DR. PHILIP, b. Colton, S.Dak, Apr. 3, 15; m. 40; c. 4. SOCIOLOGY, ECONOMICS. B.A. Augustana Col, 38; M.A. Wisconsin, 40, Ph.D. 48. Statistician, State Planning Bd, Wis, 44-47; State Ed. Cmn, 48; res. supvr, State Econ. Coun, Ind, 49-54, RES. ECONOMIST, 55; STATE DIV. INDUST. DEVELOP, WIS, 56- Lectr, Butler, 50-51. Demography; community; resources. Publ: Marriages in the Madison community; Geography of Wisconsin manufactures; Wisconsin-facts for industry. Address: 4901 Hob, Madison, Wis. 53716.
- SUNDBERG, DEAN NORMAN D(ALE), b. Aurora, Nebr, Sept. 15, 22; m. 48; c. 4. PSYCHOLOGY. B.A. Nebraska, 47; M.A. Minnesota, 49, Ph.D. 52. Asst. & instr. PSYCHOL, med. sch, Minnesota, 47-52; asst. prof. OREGON, 52-57, assoc. prof, 57-63, PROF, 63- DEAN SCH. COMMUNITY SERV. & PUB. AFFAIRS, 67-, assoc. dean grad. sch, 63-64, acting dean, 64-65. U.S. Pub. Health Serv. grant, int. personality assessment & res, California, 59-61; Fulbright grant, India, 65-66. Consult, Vet. Admin, 53- U.S.A. 43-46. AAAS; Psychol. Asn. Personality assessment; creativity; behavior change; counseling; communication of emotional meaning; cultural comparisons of decision-making and cognitive structure; community development. Publ: Co-auth, Clinical psychology, Appleton, 62; auth, Measurement of sensitivity to implied meanings, Gawwin, 66; co-auth, Patterns of choices in Dutch, American and Indian adolescents, J. Counseling Psychol, 68. Address: School of Community Service & Public Affairs, University of Oregon, Eugene, Ore. 97403.
- SUNDQUIST, DR. W(ESLEY) B(URT), b. Christine, N.Dak, Dec. 28, 27; m. 58; c. 2. AGRICULTURAL ECONOMICS. B.S. N.Dak. State, 52; M.S. Kentucky, 54; Ph.D. Mich. State, 57. Asst. agr. economist, Kentucky, 53-54; instr. agr. econ, Mich. State, 54-56; agr. economist, Mich. State, U.S. Dept. Agr, 56-59, Minnesota, St. Paul, 59-65, assoc. prof. agr. econ, Univ, 61-65, DIR. FARM PROD. ECON, ECON. RES. SERV, U.S. DEPT. AGR, 65- U.S.A. 46-47. Am. Agr. Econ. Asn; Int. Asn. Agr. Econ. Production economics, including mathematical and statistical analysis and experimental design; micro and macro economic analysis of agricultural production. Publ: Co-auth, Equilibrium analysis of income improving adjustments in the Lake States Dairy Region, 1965, Univ. Minnesota, 10/63; Resource productivity and income for a sample of West Kentucky farms, Univ. Kentucky Exp. Sta. Bull; An economic analysis of some controlled fertilizer input-output experiments, Mich. State Univ. Exp. Sta. Tech. Bull. Address: U.S. Dept. of Agriculture, Washington, D.C. 20250.
- SUNOO, PROF. HAROLD W, b. Pyong-Yang, Korea, Feb. 2, 18; U.S. citizen; m. 43; c. 2. POLITICAL SCIENCE. B.A. Pasadena Col, 42; California, Berkeley, 42-43; M.A. Washington (Seattle), 44; Ph.D.(polit. sci), Charles Univ, Prague, 50; Stanford, 50-51. Transl. Japanese, Fed. Bur. Invest, 40-

41; U.S. Dist. Court, San Francisco, 41-42; instr. oriental lang. California, Berkeley, 42-43; Washington, Seattle, 43-49, lectr. Far East. area, 45-49; Korean hist, Charles Univ, Prague, 49-50; ed-in-chief, Korean Repub. Daily, Seoul, 61; assoc. prof. POLIT. SCI. CENT. METHODIST COL, 63-64, prof, 64-67, EUGENE M. FRANK PROF, 67- Spec. lectr, Yonsei, Korea, 61. Mem. Korean-Am. Cultural Found, 48-, pres. & exec. secy. U.S.A.A.F, 45-46. Polit. Sci. Asn; Asn. Asian Studies. Democratic development; modernization process in Korea under military and semi-military regimes; Sino-Soviet conflict. Publ: Korean grammar, Prague, 56; Sino-Soviet conflict, Christian Press, Seoul, 66; Modernization and democracy, Korea Cultural Soc, 67. Address: Dept. of Political Science, Central Methodist College, Fayette, Mo. 65248.

SUOJANEN, PROF. WAINO W, b. Maynard, Mass, Jan. 12, 20; m. 48; c. 2. MANAGEMENT. B.S. Vermont, 42; M.B.A., Harvard, 46; Ph.D.(econ), fonia, 55. Instr. bus. admin, Vermont, 46-47; mem. staff, Uarco, Inc, Calif, 47-49; NAFCI Corp, Ore, 49-50; asst. prof. bus. admin, California, 50-59; assoc. prof. mgt, U.S. Naval Postgrad. Sch, 59-61; prof. bus. admin, Fla. State, 61-64; PROF. MGT. & CHMN. DEPT. MIAMI (FLA), 64- Lectr. U.S. Air Force Sch. Sys. & Logistics, 56-60; dir. res. & develop. mgt. prog, Egin Air Force Base, 61-64. Consult, Off. Asst. Secy. Defense-Comptroller, 57-61; tech. consult, Aerojet-Gen. Corp, 60-61; consult, Asst. Secy. Defense Installations & Logistics, 63-66; U.S. Civil Serv. Cmn, 64-; Asst. Secy. Defense-Manpower, 66-67. Adv. ed, Chandler Pub. Co, 65- Mem. bd. dirs, Precision Metal Prod, Inc, 65- McKinsey Found. Silver Medal, 66. Nat. Guard, 37-40; U.S.A., 42-46, Res, 46- AAAS; Econ. Asn; Acad. Mgt. Management of research and development in business, government and the university; application of research findings of the behavioral and social sciences to a theory of organizations and management. Publ: The dynamics of management, Holt, 66; The span of control: fact or fable, Adv. Mgt; Enterprise theory and corporate balance sheets, Acct. Rev. Address: Dept. of Management, University of Miami, Coral Gables, Fla. 33124.

SUPER, PROF. DONALD E(DWIN), b. Honolulu, Hawaii, July 10, 10; m. 36; c. 2. PSYCHOLOGY. B.A. Oxford, 32, M.A., 36; Ph.D.(ed. psychol), Columbia, 40. Asst. teachers col, Columbia, 36-38; assoc. prof. psychol, Clark, 38-42; PROF. PSYCHOL. & ED. TEACHERS COL, COLUMBIA, 45-, DIR. DIV. PSYCHOL. & ED, 65- Fulbright lectr, Paris, 58-59. Private consult, 45-; consult, adv. sys. develop. div, Int. Bus. Mach. Corp, 66-Dipl, Am. Bd. Exam. Pfrnl. Psychol. U.S.A.A.F, 42-45, Maj. AAAS; fel. Psychol. Asn; Personnel & Guid. Asn.(pres, 53-54); Ed. Res. Asn. Vocational choice and adjustment; counseling techniques; interests and values; personality and occupation; self concepts. Publ: Psychology of careers; Appraising vocational fitness; co-auth, Vocational maturity of ninth grade boys, Teachers Col, Columbia, 60. Address: Teachers College, Columbia University, New York, N.Y. 10027.

SUPPES, PROF. PATRICK C, b. Tulsa, Okla, Mar. 17, 22; m. 46; c. 3. STATISTICS. B.S. Chicago, 43, Bush fel, Columbia, 49-50, Ph.D., 50. Instr. philos, STANFORD, 50-52, asst. prof, 52-55, assoc. prof, 55-59, PROF. philos, 59-67, statist, 60-67, ED, 67-, DIR. RES. INST. MATH. STUDIES IN SOC. SCI, 59- Fel, Center Adv. Study Behav. Sci, 55-56; Nat. Sci. Found. fel, 56-57. Butler silver medal, Columbia, 65; Johnson Mem. award, Am. Ed. Res. Asn, 67. U.S.A.A.F, 43-46, Capt. AAAS; Philos. Asn; Math. Asn; Math. Soc; Asn. Symbolic Logic; Psychomet. Soc; fel. Psychol. Asn; Soc. Sci. Res. Coun.(res. award, 59); Nat. Acad. Ed. Mathematical methods in the social sciences; philosophy of science. Publ: Axiomatic set theory; co-auth, Markov learning models for multiperson interactions; co-auth, Experiments in second-language learning, 67. Address: Ventura Hall, Stanford University, Stanford, Calif. 94305.

SURANYI-UNGER, PROF. THEO, Econ, see 10th ed, Soc. & Behav. Vols.

SURBER, DR. GRACE PENNINGTON, b. New York, N.Y., Jan. 14, 12. CLINICAL PSYCHOLOGY, GUIDANCE. B.S. N.Y. Univ, 52, M.A., 53, Ph.D., 59. Instr. & asst. prof. psychol, Long Island, 50-56; intern psychol, N.H. State Hosp, 56-57, staff psychologist, 57-60, asst. chief psychologist, 60-63; PROF. PSYCHOL, NEW ENG. COL, 63- Teacher, high schs, N.Y., 53-56; Instr, U.S. Air Force, 55-56. Consult, prog. alcoholism, State of N.H. Concord, 63-; ed, Sch. Union, Franklin, N.H., 64- Mem. bd. dirs, Greater Concord Ment. Health Asn, 65-; adv. cmt, Belknap-Merrimack Community Action Prog, Proj. Head Start, N.H., 67. Psychol Asn; Group Psychother. Asn. Personal; group and individual psychotherapy; interactional and socializing behavior of mentally ill patients. Publ: Patient interaction on admission wards, Ment. Hosp; Predicting improvement of psychiatric patients from early ward socializing ratings, J. Consult. Psychol. Address: 163 Mountain Rd, East Concord, N.H. 03301.

SURFACE, DR. FRANK M(ACY), Statist, see 10th ed, Soc. & Behav. Vols.

SURFACE, DR. JAMES R(ICHARD), b. Salina, Kans, Feb. 26, 21; m. 42; c. 5. BUSINESS ADMINISTRATION. A.B. Kansas, 42, M.A., 48; M.B.A., Harvard, 50, fel, 51-53, D.C.S.(human rels), 56. Instr. human rels, bus. sch, Harvard, 51-53, asst. prof. bus. admin, 53-57, prof, 57-62, dean sch, 57-62; PRO-VOST, KANSAS, 62- Vis. prof, Harvard, 67-68. Mem. bd. dirs, Fleming Co, Kans, 61-; trustee, Kans. Pub. Employees Retirement Syst, 62- U.S.M.C.R, 42-45, 1st Lt. Acad. Mgt. Executive and economic development. Publ: Resistance to training, Harvard Bus. Rev. Address: University of Kansas, Lawrence, Kans. 66044.

SURGENT, DR. LOUIS V(INCENT), b. Whitestone, N.Y., Sept. 12, 13; m. 40; c. 3. PSYCHOLOGY. B.S.E. City Col. New York, 35; M.A., Columbia, 38, Ph.D.(psychol), 46. Indust. engr, Radio Corp. Am, 41-42, indust. psychologist, 42-46, adminstr. res. & training, 46-47, coordinator, orgn. develop. res, 52-57; asst. prof, Columbia, 47-52; adminstr. mgt. develop. res, Sperry Gyroscope Co, 57-59; mem. sr. res. staff, GEN. DYNAMICS, 59-68, RES. SPECIALIST, 68- Psychol. Asn. Speech measurements; human engineering; psychophysiological states. Address: 793 Winona Blvd, Rochester, N.Y. 14617.

SURWILLO, DR. W(ALTER) W(ALLACE), Psychophysiol, see 11th ed, Phys. & Biol. Vols.

SUSSEX, DR. JAMES N(EIL), b. Northcote, Minn, Oct. 2, 17; m. 43; c. 4. PSYCHIATRY. A.B. Kansas, 39, M.D., 42. Intern, U.S. Naval Hosp, Chelsea, Mass, 42-43, res. psychiatrist, Mare Island, Calif, 46-49, asst. chief neuro-psychiat, Bethesda, Md, 51-55; fel. child psychiatrist, Phila. Child Guid. Clin, 49-51; assoc. prof. PSYCHIAT, MED. COL. ALA, 55-59, PROF. & CHMN. DEPT, 59- Asst. prof. sch. med, Georgetown, 53-55; lectr, U.S. Naval Postgrad. Med. Sch, 53-55. Consult, U.S. Dept. Navy, 53-55; U.S. Army Hosp, Ft. McClellan, Ala, 55-60; Vet. Admin. Hosp, Birmingham, Ala, 55-; Crippled Children's & Children's Hosps, 56-; mem. adv. bd. Nat. Psychiat. Residency Matching Plan, 65-; consult, off. cmnr, U.S. Off. Ed, 66-; mem. adv. cmt, div. res. bur. ed. handicapped, 67-70; consult, off. ment. health serv. progs, Nat. Inst. Ment. Health, 67- Dipl, Am. Bd. Psychiat. & Neurol, dir. child psychiatrist, cmt. cert. in child psychiat, 66-70. Med.C., 42-55, Res, 55-, Comdr. Psychiat. Asn; Orthopsychiat. Asn; Asn. Am. Med. Cols; Acad. Child Psychiat; Col. Psychiat; Am. Med. Asn. Child psychiatry; psychopharmacology; child development. Address: Dept. of Psychiatry, University of Alabama Medical Center, 1919 Seventh Ave. S, Birmingham, Ala. 35233.

SUSSMAN, PROF. MARVIN B(ERNARD), b. New York, N.Y., Oct. 27, 18; m. 42; c. 4. SOCIOLOGY. B.A. N.Y. Univ, 41; M.S. George Williams Col, 43; M.A., Yale, 49, Ph.D.(sociol), 51. Asst. prof. SOCIOL. & chmn. dept, Union (N.Y.), 51-54; vis. asst. prof, Chicago, 54-55; PROF. & CHMN. DEPT, CASE WESTERN RESERVE, 55- Ed, J. Marriage & Family, 64- Dir, Groves Conf. Marriage & Family; bd. mem, Nat. Coun. Family Rel, 63-; mem. soc. sci. subcm, ment. health training cmt, Nat. Inst. Ment. Health, 67-; ad hoc subcm. behav. sci, Nat. Inst. Neurol. Diseases & Blindness, 67-; develop. behav. sci. cmt, Nat. Insts. Health, 68- Am. Sociol. Asn; Rehab. Counseling Asn; Sociol. Res. Asn; Anthropol. Asn; Statist. Asn; Soc. Study Social Probs.(pres, 62); Int. Sociol. Asn. Family theory and research; sociology of rehabilitation; social organizations; professions. Publ: Ed, Sociology and rehabilitation, Am. Sociol. Asn, 66; co-auth, The walking patient: a study in outpatient care, Western Reserve, 67; ed, Sourcebook in marriage and the family, Houghton, 3rd ed, 68. Address: Sociological Research Bldg, Case Western Reserve University, 11027 Magnolia Dr, Cleveland, Ohio 44106.

SUSSMANN, PROF. LEILA, U.S. citizen. SOCIOLOGY. A.B. N.Y. Univ, 42; Henderson fel, Chicago, 42-44, A.M., 47; Ph.D.(sociol), Columbia, 57. Res. asst, Am. Jewish Cmt, 44; Cmn. Freedom of Press, 45; consult. content anal, Am. Jewish Cong, 46; instr. sociol, Brooklyn Col, 47-48; res. assoc, bur. appl. soc. res, Columbia, 48-49; study dir, res. center human rels, grad. dept. psychol, N.Y. Univ, 50-51; Int. Pub. Opinion Res, Inc, 51-53; lectr. sociol, sch. gen. studies, Columbia, 53-55; asst. prof, Wellesley Col, 55-62; assoc. prof, Massachusetts, Amherst, 62-66; PROF. SOCIOL. & LECTR. PREV. MED, TUFTS, 66- Instr, Wash. Sq. Col, N.Y. Univ, 48 & 49; spec. consult, Mass. Inst. Tech, 57-59; Fulbright res. prof, Danish Nat. Inst. Soc. Res; study dir, soc. sci. res. center, Univ. Puerto Rico, 59-62. Ed, Sociol. of Ed, 63-66. Publ: Dear FDR: a study of political letter-writing, Bedminster, 63; High school to university in Puerto Rico, Coop. Res. Proj. 1018, U.S. Off. Ed; ed, Social objectives in educational planning, Orgn. Econ. Coop. & Develop, France, 67. Address: Dept. of Sociology, Tufts University, Medford, Mass. 02155.

SUSSNA, PROF. EDWARD, b. Philadelphia, Pa, Nov. 26, 26; m. 53; c. 2. ECONOMICS. B.A. Brooklyn Col, 50; M.A., Illinois, 52, Ph.D.(econ), 54. Asst. prof. econ, Lehigh, 56-57; assoc. prof. bus. econ, PITTSBURGH, 57-66, PROF. BUS. ADMIN, 66- Ford Found. faculty fcls, 60-61, 62-63. Consult, Bell Tel. Co, 63-67; U.S. Bur. Budget, 66. U.S. Merchant Marines, 44-47; U.S.A., 54-56. Econ. Asn; Economet. Soc; Inst. Mgt. Sci. Managerial economics; integrated business decision making; capital budgeting models in public health investment. Publ: Costs, productivity and welfare implications of the local transit industry, Land Econ; Measurement of industrial conflict, Rev. Econ. & Statist; co-auth, Price behavior in a complex business game: an experimental study, Quart. Rev. Econ. & Bus, 66. Address: Graduate School of Business, University of Pittsburgh, Pittsburgh, Pa. 15213.

SUTCLIFFE, PROF. WILLIAM G(EOERGE), Econ, see 10th ed, Soc. & Behav. Vols.

SUTER, RICHARD S(TURGIS), b. Boston, Mass, May 11, 19; m. 47; c. 3. POLITICAL SCIENCE. A.B. Harvard, 41; Soc. Sci. Res. Coun. fel. & M.A., Columbia, 46. Exec, CENT. INTEL. AGENCY, 49- U.S.A.A.F, 42-46, Lt. Acad. Polit. Sci; Asn. Comput. Mach. Soviet political institutions and foreign policy; public administration. Address: 4620 Norwood Dr, Chevy Chase, Md. 20015.

SUTER, DR. ROBERT C, b. Ontario, N.Y., June 23, 24; m. 51; c. 2. AGRICULTURAL ECONOMICS. B.S. Cornell, 47, Ph.D.(agr. econ), 50; M.S., Illinois, 48. Asst. prof. agr. econ, Missouri, 50-53; exten. economist farm mgt, PURDUE, 53-55, asst. prof. AGR. ECON, 55-57, ASSOC. PROF, 57- Agr. Econ. Asn. Farm management and prices. Address: Dept. of Agricultural Economics, Purdue University, Lafayette, Ind. 47907.

SUTHERLAND, DR. BARBARA K(IMBALL), Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

SUTHERLAND, IAN REID, b. Richmond Hill, N.Y., Jan. 6, 24; m. 46; c. 2. ECONOMICS. A.B. Denver, 49, M.A., 50. Indust. rels. analyst, Wage Stabilization Bd, Colo, 51-52; wage analyst, U.S. DEPT. LABOR, 56, mgt. trainee, 56-57, labor economist, 57-63, manpower analyst, 63-67, CHIEF DIV. ANAL. & EVAL, BUR. WORK PROGS, 67- U.S.A.A.F, 41-46, Sgt. Econ. Asn; Indust. Rel. Res. Asn. Labor economics; manpower training problems and analysis; poverty program evaluation and research; surveys; industrial and institutional analysis; employment and unemployment statistics; economic theory. Address: 12819 Buckingham Dr, Bowie, Md. 20715.

SUTHERLAND, DR. J(OSEPH) GWYN, b. Fig, N.C., Sept. 6, 16; m. 42; c. 2. AGRICULTURAL ECONOMICS. B.S. Appalachian State Teachers Col, 38; North Carolina, 47-48; Ph.D.(agr. econ), N.C. State, 52. Prof, high sch, N.C. 38-41; farm supvr, Farm Security Admin, 41-42; AGR. ECONOMIST, ECON. RES. SERV, U.S. DEPT. AGR, 47- Res. prof, N.C. State, 63- U.S.N., 42-45, Res, 45-65, Lt. Comdr. Agr. Econ. Asn. Production economics.

Publ: Co-auth, Possibilities for increasing production and incomes on small commercial farms, southern Piedmont area, North Carolina, 55, auth, Farming adjustment opportunities, economic areas six and E, North Carolina, 63 & Effects of cotton price and allotment variations on farm organizations and incomes, Eastern Piedmont and upper coastal plain, Carolina, 66, N.C. State Agr. Exp. Sta. Address: Dept. of Economics, North Carolina State University, Raleigh, N.C. 27607.

SUTHERLAND, PROF. ROBERT L(EE), b. Clarinda, Iowa, Feb. 11, 03; m. 26; c. 1. SOCIOLOGY. A.B. Knox Col, 25, hon. LL.D., 58; A.M. Oberlin Col, 27; Ph.D., Chicago, 30. Prof. sociol. & head dept, Bucknell, 30-40, dean men & chmn. student counseling cmt, 38-40; PROF. SOCIOL. & DIR. HOGG FOUND, TEXAS, 40- Assoc. dir. studies Negro youth, Am. Youth Cmn, 38-40. Trustee, Knox Col. Mem. citizens adv. coun. & demonstr. panel cmt, President's Cmt. Juvenile Delinquency & Youth Crime; Nat. Coun. Relig. Higher Ed. Sociol. Asn. Mental hygiene; personality adjustment; cultural influences in the education of Negro youth. Publ: Twelve years of mental health work in Texas; ed, Personality factors on the college campus; co-auth, Introductory sociology, Lippincott, 37, revised, 61. Address: Hogg Foundation for Mental Health, University of Texas, Austin, Tex. 78712.

SUTHERLAND, DR. STEPHEN MERTON, b. East Orange, N.J., July 27, 30; m. 52; c. 3. GEOGRAPHY. B.A. Indiana, 52, M.A. 55; Ph.D.(geog), Illinois, Urbana, 62. Instr. GEOG, OKLAHOMA, 58-62, asst. prof, 62-66, ASSOC. PROF, 66-, ASST. DEAN UNIV. COL, 67- Lectr. & consult, indust. develop. inst, Am. Indust. Develop. Coun, 63-; faculty res. grant, Oklahoma, 64. Dir. bachelor lib. studies soc. sci. seminar, Tulane, 64-65. U.S.A., 52-54, 1st Lt. AAAS; Asn. Am. Geog. Soc; Am. Geog. Soc; Nat. Coun. Geog. Ed; Nat. Asn. Geol. Teachers; Meteorol. Soc. Climatology, especially climatic years. Publ: Co-auth, Physical geography laboratory manual, Laird, 66; Variations in Oklahoma's climate as depicted by the Koppen and early Thornthwaite classifications, J. Geog., 63:60-66; Humid and dry cycles in Oklahoma in the period of 1930-1960, Great Plains J., spring 66. Address: University College Office, University of Oklahoma, Faculty Exchange, Norman, Okla. 73069.

SUTKER, PROF. SARA SMITH, Sociol, Anthropol, see 10th ed, Soc. & Behav. Vols.

SUTKER, PROF. SOLOMON, b. Savannah, Ga, Mar. 17, 18; m. 58. SOCIOLOGY. A.B. Emory, 39; M.A. North Carolina, 47, Rosenwald fel, 47-48, Ph.D., 51. Asst. mgr, U.S. Soc. Security Bd, 39-43; field mgr, U.S. Railroad Retirement Bd, 43-45; asst. SOCIOL, North Carolina, 46-48; instr. Col. William & Mary, 48-49; from asst. prof. to PROF, Okla. State, 49-67; Missouri, Kansas City, 67-68; MISSOURI, ST. LOUIS, 68- Summer vis. res. assoc, center res. soc. change, Emory Univ, 68. Consult, State Bd. Voc. Ed, Kans, 57-59; Okla, 60-; U.S. Off. Ed, 65; Southwest. Ed. Lab, 67. Fel. Sociol. Asn; Pop. Asn. Am. Industrial, urban and occupational sociology. Publ: Co-auth, Roles and role conflicts of vocational teachers, Res. Found, Okla. State Univ, 67; auth, Jewish organizational elite of Atlanta, Georgia; Rural community in the South. Address: Dept. of Sociology & Anthropology, University of Missouri at St. Louis, St. Louis, Mo. 63121.

SUTTELL, DR. BARBARA J(ANE), b. Providence, R.I., June 7, 27; m. 51; c. 3. PSYCHOLOGY. A.B. Radcliffe Col, 48; M.S., Pittsburgh, 51, Ph.D. (psychol), 54. Sr. res. scientist & prog. dir. human rels. res. Am. Inst. Res, 51-57 & 60-61, consult, 57-61. Psychol. Asn. Group dynamics; mental health and illness; small group leadership. Publ: Co-auth, The Bender-Gestalt Test & Regression in schizophrenia as determined by performance on the Bender-Gestalt Test, J. Abnorm. & Soc. Psychol; auth, Evaluating potential officer effectiveness in a training situation, J. Appl. Psychol. Address: 10215 Hatherleigh Dr, Bethesda, Md. 20014.

SUTTER, CYRIL R(OBERT), C.P.P.S., b. Coldwater, Ohio, Mar. 20, 28. PSYCHOLOGY, EDUCATION. M.A. Fordham, 56, M.S., 58, Ph.D.(psychol), 61. Instr. PSYCHOL, St. Charles Sem.(Ohio), 59-60; St. Joseph Col.(Ind), 60; St. Charles Sem, 60-61; St. Joseph Col, 61; asst. prof, St. Charles Sem, 61-67; ASSOC. PROF, ST. JOSEPH COL, 67- Psychol. Asn; Acad. Relig. & Ment. Health. Psychological testing and personality theory; personality and interests of Catholic major seminarians. Address: Dept. of Psychology, St. Joseph College, Rensselaer, Ind. 47978.

SUTTER, DR. EVERETT L(EE), b. Seward, Pa, Nov. 14, 20; m. 48; c. 1. PSYCHOLOGY. A.B. W.Va. Wesleyan Col, 48; M.S. Pa. State, 49; Ph.D., Texas, 52. Res. psychologist, Basic Pilot Res. Lab, 52-54; instr. PSYCHOL, San Angelo Col, 52-67; assoc. prof. psychol, Stephen F. Austin State Col, 67-68; DIR. COUNSELING CENTER, MEMPHIS STATE, 68- Private consult, 52- U.S.N., 43-46. Psychol. Asn. Untreatable diseases; homosexuality; psychopathic personality; emotion of hate. Publ: The light plane as a pre-primary selection and training device; The audio mirror effects of the automatic apperception test responses on self awareness. Address: 5050 Fairbrook, Memphis, Tenn. 38118.

SUTTLES, DR. GERALD, b. Madison Co, N.C., Nov. 11, 32. SOCIOLOGY. B.A. Reed, Col, 59; M.A. Illinois, 62, Ph.D.(sociol), 66. Field assoc. SOCIOL, inst. soc. res, Univ. Michigan, 63-65, ASST. PROF, dept. sociol, 65-67; CHICAGO, 67- U.S.N., 51-55. Sociol. Asn. Deviance community organization and urban studies. Publ: Co-auth, The nature, variety and patterning of street club work, Prentice-Hall, 67; auth, The social order of the slum, Univ. Chicago, 68 & Family impression management and public housing, In: Crime in the city, Harper, 68. Address: Dept. of Sociology, University of Chicago, Chicago, Ill. 60637.

SUTTLES, DR. WAYNE (PRESCOTT), b. Seattle, Wash, Apr. 24, 18; m. 41; c. 7. ANTHROPOLOGY. Fel, Washington (Seattle), 46-50, Viking Fund fel, 49, Ph.D.(anthropol), 51. Asst. prof. ANTHROP, British Columbia, 51-58, assoc. prof, 58-63; Nevada, 63-65, PROF, 65-66, PORTLAND STATE COL, 66- Am. Coun. Learned Soc. fel, 61. U.S.N., 42-46. Anthropol. Asn; Ethnol. Soc. Cultural anthropology; relation of language to culture; culture change. Publ: The Plateau Prophet Dance among the Coast Salish, Southwest. J. Anthropol; Affinal ties, subsistence and prestige among the Coast Salish, Am. Anthropologist; co-auth, Post-war Okinawa. Address: 5750 S.W. Hewitt Blvd, Portland, Ore. 97221.

SUTTON, DR. FRANCIS X(AVIER), b. Oneida, Pa, July 7, 17. SOCIOLOGY. B.S. Temple, 38; A.M. Princeton, 40; A.M. Harvard, 41, fel, 46-49, Ph.D., 50. Asst. prof. sociol. & gen. ed, Harvard, 49-54; exec. assoc, FORD FOUND, 54-57, prog. assoc. Mid. East & Africa, 57-63, rep. for east & cent. Africa, 63-67, ASST. TO V.PRES. INT. DIV, 67- Lowell lectr, 48; lectr, Salzburg Seminar, 53 & 56; Falk lects, Carnegie Inst. Tech, 59; regents lectr, California, Los Angeles, 63; vis. prof, Mass. Inst. tech, 63-64. Adv. coun. to dept. sociol, Princeton, 58-; chmn. Adv. Group African Ed, U.S. Dept. State, 61, mem. bd. for. scholar, 61-63. U.S.A.A.F., 41-45, Capt. Sociol. Asn; Anthropol. Asn; Coun. For. Rels; fel. African Studies Asn. Ideologies and social structure; economic development; Africa. Address: Ford Foundation, 320 E 43rd St, New York, N.Y. 10017.

SUTTON, DR. GLENN W(ALLACE), b. Milan, Ind, July 25, 04; m. 30; c. 1. FINANCE. B.S. Indiana, 26, A.M., 27; Ph.D. Ohio State, 38. Instr. econ. & ed, Econ. Rev, Idaho, 27-29; assoc. prof. finance, Georgia, 29-37, prof, 37-46, 48-54, chmn. div, 29-46, 48-54, grad. div. col. bus. admin, 48-54, dir. bur. bus. res, 29-45, vet. affairs off, 45-46, Savannah Div, 46-48; mem, U.S. TARIFF CMN, 54-66, V.CHMN, 66-, acting chmn, 67. Dir, U.S. Dept. Labor, Ga, 36, nat. tabulation off, Ill, 37, Ga, 39-40, nat. dir, Pa, 41. U.S.N.R., 42-64, Capt. Finance Asn; Econ. Asn; Statist. Asn. Security price fluctuation. Address: 5929-23rd Place S.E., Washington, D.C. 20031.

SUTTON, DR. GORDON F(RANCIS), b. Highland Park, Mich, Aug. 23, 30; m. 51; c. 1. SOCIOLOGY. B.A. Wayne State, 52, Metrop. community fel, 54-55, M.A., 55; Ph.D.(sociol), Michigan, 59. Sociol. res. analyst human ecol, Detroit area traffic study, Wayne State, 57-58; anal. statistician marriage & divorce, nat. vital statist. div, U.S. Pub. Health Serv, 58-59; statistician demog, pop. div, U.S. Bur. Census, 59-64; chief vital records surv. br, nat. center health statist, Dept. Health, Ed. & Welfare, 64-66; DEP. CHIEF RES. & PLANS DIV, OFF. RES. PLANS, PROGS. & EVAL, OFF. ECON. OPPORTUNITY, 66- Lectr, dept. sociol, California, Los Angeles, 62-63. AAAS; Sociol. Asn; Statist. Asn; Pop. Asn; Eugenics Soc. Organization of the urban community. Publ: Co-auth, Factors associated with seasonal variation in marriage in the United States; auth, Illustrative statistics from the national mortality survey, Demography, Vol. III, 66. Address: Office of Economic Opportunity, Room 324, 1200 19th St. N.W., Washington, D.C. 20506.

SUTTON, DEAN JOSEPH LEE, b. Oklahoma City, Okla, Mar. 22, 24; m. 45; c. 4. POLITICS. A.B. Michigan, 48, fel, Center Japanese Studies, 48-49, M.A., 49, univ. fel, 49-51, Soc. Sci. Res. Coun. fel, 51-52, Ph.D.(polit. sci), 54. Instr. polit. sci, Western Reserve, 52-53; INDIANA, 53-54, asst. prof, 54-58, assoc. prof, 58-62, PROF. GOVT, 62-, V.PRES. & DEAN FACULTIES, 66-, chmn. Asian Studies Prog, 59-65, summer res. grant, 60, assoc. dean col. arts & sci, 62-65, dean, 65-66. Consult. & chief adv. officer, Govt. Thailand, 55-58. Mem. faculty coun, Univ. Indiana, 60-; for. area fel. cmt, Ford Found. N.Y., 61- U.S.A., 43-46, Lt. Polit. Sci. Asn; Asn. Asian Studies. Asian politics. Publ: Ed. & contrib, Problems of politics and administration in Thailand; Institute of public administration in Bangkok, Thailand, Philippine Islands J. Pub. Admin. Address: Dept. of Government, Indiana University, Bloomington, Ind. 47401.

SUTTON, PROF. JOSEPH T(HOMAS), b. Jacksonville, Fla, Dec. 5, 22; m. 47; c. 3. PSYCHOLOGY. B.A. Stetson, 48; M.A. Vanderbilt, 56, Ph.D., 58. Psychologist, State Dept. Ed, Tenn, 51-52; asst. prof. psychol, Austin Peay State Col, 52-57; assoc. prof. & coordinator res, Ala. Polytech, 57-59; assoc. prof. psychol, Stetson, 59-61, prof, 61-66; DIR. INSTNL. RES, ALABAMA, 66- Coordinator, Int. Paper Co. Found. Proj, Webster Parish Schs, La, 57; vis. prof, Birmingham-South. Col, 60. U.S.A.A.F., 43-46, Sgt. Psychol. Asn; Asn. Instnl. Res. Psychology of human learning; teaching and learning processes in schools and colleges; operations research in higher education administration. Address: P.O. Box 5475, University of Alabama, University, Ala. 35486.

SUTTON, PROF. ORUS RICHARD, b. Granville, Tenn, June 12, 16; m. 49; c. 2. BUSINESS EDUCATION. B.S. Tenn. Polytech. Inst, 38; M.A. Northwestern, 42; fel, Indiana, 52-53; Ed.D.(higher ed. bus), Tennessee, 67. Head dept. bus, Mid. Ga. Col, 42-44; dir. student teachers, Murray State Col, 44-45; prof. bus. admin. & head dept, E.Tenn. State Col, 45-56; PROF. BUS. ED. & CHMN. DEPT. ECON. & BUS, APPALACHIAN STATE, 56- Acad. Polit. Sci; Nat. Ed. Asn. Graduate training; developing economic concepts everyone should know. Publ: Co-auth, College typewriting; auth, The challenges and opportunities of individual differences, Bus. Ed. Forum. Address: Dept. of Economics & Business, Appalachian State University, Boone, N.C. 28608.

SUTTON, DR. W(ILLIS) A(NDERSON), JR, b. Atlanta, Ga, July 18, 17; m. 41; c. 3. SOCIOLOGY. A.B. North Carolina, M.A., Ph.D.(sociol), 52. Res. asst. SOCIOL, inst. res. soc. sci, North Carolina, 51-52; from asst. prof. to PROF, KENTUCKY, 52- U.S.A., 42-46. Sociol. Asn; Rural Sociol. Soc; Soc. Appl. Anthropol. Community power, action and development. Publ: Co-auth, The village level worker and his work, Govt. India, 62; auth, A conceptual scheme for the sociological analysis of election campaigns & co-auth, Elements of community action, Soc. Forces. Address: Dept. of Sociology, University of Kentucky, Lexington, Ky. 40506.

SUTTON-SMITH, PROF. B(RIAN), b. Wellington, N.Z., July 14, 24; m. 53; c. 4. DEVELOPMENTAL PSYCHOLOGY. M.A. Univ. New Zealand, 48, dipl. 52, Ph.D.(ed. psychol), 54; Smith-Mundt & Fulbright fcls. from New Zealand, California, 52-53, Chicago, 53-54. Res. assoc, Wayne State, 54; PROF. DEVELOP. PSYCHOL, Bowling Green State, 56-67; TEACHERS COL, CO-LUMBIA, 67- Nat. Inst. Ment. Health res. grant, 62-67. Fel. Psychol Asn; Soc. Res. Child Develop. Child development, especially the functions of play and games in development considered historically, anthropologically and psychologically. Publ: Games of New Zealand children, Univ. California, 59; The role of play in cognitive development, Young Children, 67; Piaget on play; a critique, Psychol. Rev, 66. Address: Dept. of Psychology, Teachers College, Columbia University, New York, N.Y. 10027.

SUTTON, DR. RICHARD E, b. Watertown, S.Dak, Mar. 29, 38. AGRICULTURAL ECONOMICS. B.S. S.Dak. State, 60; Ph.D.(agr. econ), Iowa State,

65. Res. assoc. econ. Iowa State, 64-65; ASST. PROF. AGR. ECON. MARYLAND, 65- Econ. Asn; Agr. Econ. Asn; Economet. Soc; Statist. Asn. Agricultural price and demand analysis; fisheries economics. Publ: Co-auth. Investment opportunities in meat packing in Iowa, Iowa Develop. Cmn, 65 & Computer models and simulation, J. Farm Econ, 64. Address: Dept. of Agricultural Economics, University of Maryland, College Park, Md. 20742.

SUYDAM, DR. MARY M(ACE), b. Plattsburgh, N.Y., Mar. 15, 35; m. 57. EXPERIMENTAL PSYCHOLOGY. B.S. St. Lawrence, 56; M.A. Mich. State, 59; Nat. Inst. Ment. Health fel, Massachusetts, 62, Ph.D.(psychol), 63. Soc. welfare case worker, St. Lawrence County Dept. Soc. Welfare, N.Y., 57-58; res. assoc. learning psychol, Massachusetts, 63-65, vis. lectr. PSYCHOL, univ. & res. dir, counseling center, 65-66; ASSOC. PROF. TOWSON STATE COL, 66- Psychol. Asn. Statistics and experimental design in psychology; probability learning in adults and children; development of forced-choice scales for attitude measurement among college students and their parents. Publ: Co-auth. Effects of parental education on attitudes toward student behavior and education, Univ. Massachusetts Counseling Center, 67; auth. Effects of cost and gain ratios and probability of outcomes on ratings of alternative choices, 65 & co-auth. Choice behavior and reward structure: differential payoff, 66, J. Math. Psychol. Address: Dept. of Psychology, Towson State College, Baltimore, Md. 21204.

SUZIEDELIS, DR. ANTANAS, b. Riga, Latvia, June 21, 32; nat; m. 57; c. 1. PSYCHOLOGY. A.B. Boston Col, 53; M.A. Catholic Univ, 55, Ph.D., 57. Clin. psychologist, Vet. Admin. Ment. Hyg. Clin, D.C., 57; chief psychologist, Fed. Reformatory, Ohio, 57-60; asst. prof. PSYCHOL, CATHOLIC UNIV, 60-62, ASSOC. PROF, 62- Lectr. Trinity Col.(D.C.), 64- Consult, Cath. Youth Center, Ohio, 59-60; Georgetown Visitation Jr. Col, 61-62; Vet. Admin, 62- U.S.P.H.S., 57-60, Lt. Comdr. AAAS; Psychol. Asn; Int. Soc. Clin. & Exp. Hypnosis. Test and scale construction; research methodology and techniques of data analysis; computer methods; parent-child relations. Publ: Participation of youthful offenders in the rehabilitation programs of the Federal Bureau of Prisons, Fed. Bur. Prisons, 63; co-auth. Work-values of the handicapped, Catholic Univ, 66; auth. Some adjustment correlates of the self and the ideal self concepts as influenced by perceived parental values. Address: Dept. of Psychology & Psychiatry, Catholic University of America, Washington, D.C. 20017.

SUZUKI, DR. GEORGE, Math, see 11th ed, Phys. & Biol. Vols.

SVARLIEN, PROF. E(ARLE) OSCAR, b. Overhalla, Norway, Mar. 25, 06; nat; m. 42; c. 1. POLITICAL SCIENCE. A.B. Washington (Seattle), 37, fel, 37-39, A.M., 39; fel, North Carolina, 40-41, Ph.D., 42. Prof. Appalachian State Teachers Col, 41-42; soc. sci. analyst, war serv. sect, Library Cong, 42-46; assoc. prof. soc. sci, FLORIDA, 46-55, PROF. hist. & polit. sci, 55-61, POLIT. SCI, 61- Rockefeller Found. grant, 59-60; consult, World Law Fund, 67. Mem. atomic energy law cmt, World Peace Through Law Center, Geneva, 67; staff assoc. Govt. Affairs Inst, D.C., 67- Soc. Int. Law; Polit. Sci. Asn. Publ: Introduction to the law of nations; The Eastern Greenland case in historical perspective, Univ. Florida, 64; The sector principle in law and practice, Polar Record, 60. Address: Dept. of Political Science, University of Florida, Gainesville, Fla. 32601.

SVEC, PROF. M(ARIE) MELVINA, Geog, see 10th ed, Soc. & Behav. Vols.

SVEC, DR. WILLIAM RUDOLPH, Latin Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SVEDA, DR. MICHAEL, Chem, see 11th ed, Phys. & Biol. Vols.

SVETSKA, DR. FRANK J, JR., b. Chicago, Ill, Feb. 14, 32; m. 61; c. 3. MASS COMMUNICATION, STATISTICS. B.S. Miami (Ohio), 54, M.B.A., 56; Ph.D., Wisconsin, 66. Teaching asst, sch. bus, Miami (Ohio), 54-55; mgt. trainee cost acct, West. Elec. Co, Ill, 55; teaching asst, sch. commerce, Wisconsin, 57-60; statistician, Army Ord. Missile Command, Redstone Arsenal, Ala, 60-63; ASST. PROF. MKT. GRAD. & UNDERGRAD. SCHS. BUS. LOYOLA (ILL), 64- Instr. Alabama, Huntsville, 57; asst. sch. journalism, Wisconsin, 62-64; lectr. Chicago Lighthouse for Blind, 66- Summers, mathematician, Army Rocket & Guided Missile Agency, Redstone Arsenal, 58, statistician, 59, eng. specialist, Hayes Int. Aircraft, 63 & statistician, Defense Logistics Serv. Center, Mich, 64. Tech. consult, Stanford Res. Inst, 59-60. U.S.A., 55-57. Mkt. Asn; Statist. Asn; Asn. Ed. Journalism. Data analysis; construction of mathematical models designed for forecasting purposes; statistical analysis of communications and marketing data. Address: Lewis Towers, Loyola University, 820 N. Michigan Ave, Chicago, Ill. 60611.

SWACKHAMER, DR. GENE L, b. Frankfort, Ind, Apr. 20, 38; m. 61; c. 2. ECONOMICS. B.S. Purdue, 60, Ph.D.(agr. econ), 66; M.S. Cornell, 63. Agr. legis. asst. to Senator Vance Hartke, U.S. Senate, 59; asst. Cornell, 62-63; res. instr, Purdue, 63-66; RES. ECONOMIST, FED. RESERVE BANK OF KANSAS CITY, 66- U.S.N., 60-62, Lt. Res. Inst. Mgt. Sci; Agr. Econ. Asn. Agricultural economic research on problems of agricultural credit, farm finance, rural bank structure, interest rates, credit flows and mobility and agricultural technological changes. Publ: Co-auth. Management planning and control systems, 6/66 & auth. A management control system for processed meat firms, 8/67, Purdue Res. Bull; auth. Agriculture and technology, Fed. Reserve Bank of Kansas City, 5/67. Address: Federal Reserve Bank of Kansas City, Kansas City, Mo. 64198.

SWADESH, PROF. MORRIS, Ling, Anthropol, see 10th ed, Soc. & Behav. Vols.

SWAGER, PROF. W(ARREN) M(ANNING), b. Warren, Ohio, May 13, 00; m. 29; c. 4. INDUSTRIAL ENGINEERING. A.B. Michigan, 23; M.B.A. Buffalo, 56. Time study engr, Youngstown Sheet & Tube Co, 40-43; cost change engr, Armstrong Cork Co, 43-49; ASSOC. PROF. INDUST. ENG. STATE UNIV. N.Y. BUFFALO, 49- Consult, F.N. Burt Co, 62-64; part-time consult, Buffalo Gen. Hosp, 64 & 65; summer consult, Colo. Fuel & Iron, 57, Linde Co, 59 & 60, Boeing Aerospace Co, Seattle, 62. Inst. Indust. Eng; Soc. Tool & Mfg. Eng; Soc. Eng. Ed; Arbit. Asn. Organization and procedures for cost

reduction and control; plant layout; memomotion. Address: Dept. of Industrial Engineering, State University of New York at Buffalo, Buffalo, N.Y. 14214.

SWAGER, WILLIAM L(EON), Chem. Eng, see 11th ed, Phys. & Biol. Vols.

SWAGERT, PROF. S. LAIRD, b. Galesburg, Ill, Aug. 1, 13; m. 37. POLITICAL SCIENCE. B.Ed. West. Ill. State Teachers Col, 35; M.A. Iowa, 38, Ph.D., 48. Assoc. prof. hist, Southwest Tex. State Col, 46-47; instr. polit. sci, Iowa, 47-48; prof, San Jose State Col, 48-61; ops. analyst, Stanford Res. Inst, 61-66; PROF. POLIT. SCI, OMAHA, 66- U.S.N.R., 43-46, Comdr. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. American national administration; international relations, especially political-military affairs; international law. Publ: Co-auth. Citizen's guide to California government. Address: 12051 Jackson St, Omaha, Nebr. 68154.

SWAIN, DR. ALAN D(EXTRE), III, b. Washington, D.C., Nov. 21, 23; m. 50. PSYCHOLOGY. B.A. Ohio State, 48, M.A., 49, Ph.D.(psychol), 53. Asst. Ohio State, 48-49, assoc. res. supvr, Res. Found, 50-52; asst. Psychol. Corp, 50; proj. dir, Am. Inst. Res, 52-58; Dunlap & Assoc, Inc, 58-61; HUMAN FACTORS SPECIALIST, SANDIA CORP, 61- Vis. assoc. prof, New Mexico, 63-66. Consult, U.S. Army Res. Of, 64-67. U.S.N., 42-46. Human Factors Soc; Soc. Qual. Control. Human engineering of special weapons systems; human reliability; field and simulator experiments in low-altitude performance of aircraft systems and ground defensive systems. Publ: A method for performing a human factors reliability analysis, Sandia Corp. Monogr, 6/63; Some problems in the measurement of human performance in man-machine systems, Human Factors, 12/64; Some limitations in using the simplex multiplicative model in behavior quantification, Aeromed. Res. Labs, 5/67. Address: Sandia Corp, Division 2152, Albuquerque, N.Mex. 87115.

SWAINE, DR. HOWARD R(ALPH), b. Des Moines, Iowa, Dec. 21, 28; m. 52; c. 1. ECONOMICS. B.A. Iowa, 52, M.A., 56; Ph.D.(econ), California, Los Angeles, 65. Asst. econ. bur. bus. & econ. res, Iowa, 54-55, instr. bus, 55-56; asst. econ, California, Los Angeles, 56-59; cost analyst, Rand Corp, 59-60, liaison with hqs, Strategic Air Command ops. anal, 60-61, cost analyst, 61-66; PROF. ECON, NORTHERN MICHIGAN, 66- Adv. to int. staff, NATO, France, 65-66; consult, Rand Corp, Calif, 66- U.S.A., 52-54, Res, 54-61, 1st Lt. Econ. Asn. Air and motor carrier transportation costs and regulations. Publ: Co-auth. Navy cost model, Rand Corp, 63 & Location of manufacturing activity in Iowa, Iowa Bus. Digest; auth. Proposal for control of local service subsidies, J. Air Law & Commerce, summer 65. Address: Dept. of Economics, Northern Michigan University, Marquette, Mich. 49855.

SWAINSON, PROF. NEIL ALEXANDER, b. Victoria, B.C., Dec. 18, 19; m. 53; c. 4. POLITICAL SCIENCE. B.A. British Columbia, 39, M.A., 52; Stanford, 59-63. Teacher, high schs, B.C. 40-54; instr. VICTORIA, (B.C.), 54-56, asst. prof. ed, 56-60, POLIT. SCI, 60-64, ASSOC. PROF, 64- Can. Polit. Sci. Asn; Inst. Pub. Admin. Can. Governmental decision making in the utilization of natural resources; problems of Canadian metropolitan and regional government. Address: 1823 Beach Dr, Victoria, B.C., Can.

SWALM, PROF. RALPH O(EHRLE), b. Philadelphia, Pa, July 21, 15; m. 42; c. 3. INDUSTRIAL ENGINEERING. B.S. Pennsylvania, 37; M.S. Syracuse, 57. Asst. prof. INDUST. ENG, SYRACUSE, 48-52, assoc. prof, 52-57, PROF, 57- Vis. prof, Stanford, 60, summer, 65. Consult, Asbjorn Habberstad, Norway, 57, 67-; Crouse Hinds Co, 58-66; Pass & Seymour, 60-65; Gen. Elec. Co, 60-; N.Am. Aviation, Inc, 62; Coun. for Mgt. of Change, 65-66; Am. Soc. Civil Eng, 68. Inst. Indust. Eng; Soc. Eng. Ed; Acad. Mgt; Soc. Social Responsibility in Sci; Int. Mat. Mgt. Soc. Capital expenditure analysis; decision and utility theory. Publ: An extension of available interest tables, Eng. Economist, winter, spring & summer 60; Utility theory—insights into risk taking, Harvard Bus. Rev, 11-12/66; On calculating the rate of return on an investment, J. Indust. Eng, 3-4/68. Address: Dept. of Industrial Engineering, 142 Hinds Hall, Syracuse University, Syracuse, N.Y. 13210.

SWAMY, DR. SUBRAMANIAN, b. Madras, India, Sept. 16, 39; m. 66. ECONOMICS. B.A. Delhi, 60; M.Stat. Indian Statist. Inst, 62; fel, 63-64, Harvard, Ph.D.(econ), 65. Asst. econ. affairs off. UN Secretariat, 63; instr. ECON, HARVARD, 65-66, ASST. PROF, 66- Ford Found. res. grant Chinese studies, 66-69. Vis. prof, Delhi, summer, 68. Economet. Soc; Econ. Asn. Quantitative methods in economics; economy of China; mathematical economic theory. Publ: Consistency of Fisher's tests, Econometrica, 65; Structural changes and income distribution in India, Rev. Income & Wealth, 67; A dynamic personal savings function, Rev. Econ. & Statist, 68. Address: Dept. of Economics, Harvard University, Cambridge, Mass. 02138.

SWAN, DR. CHARLES L, b. Calcutta, India, Aug. 5, 09; U.S. citizen; m. 33; c. 2. SOCIOLOGY. Ph.D.(sociol. of relig), Northwestern, 55. PROF. SOCIOL. & CHMN. DEPT, ALBION COL, 51- Great Lakes Colls. Asn. study grant, India, 66-67. Community studies; leadership; India area studies. Address: Dept. of Sociology, Albion College, Albion, Mich. 49224.

SWANN, PROF. REGINALD L(eGRAND), b. Clinton, Conn, Apr. 21, 04; m. 31. PSYCHOLOGY. A.B. Union Col, 30; A.M. Harvard, 33; M.A. N.Y. State Col. Teachers, 33; Columbia & N.Y. Univ, 37-46. Prof. psychol. & ed. & dir. student personnel, Green Mt. Jr. Col, 33-43; ASSOC. PROF. psychol, St. Lawrence, 45-46; PSYCHOL, CENT. CONN. STATE COL, 46- Consult, state merit syst, Vt, 40-41. Psychologist, U.S. War Dept, Vt, 42. U.S.N.R., 43-45, Comdr. Fel. AAAS; Psychol. Asn; fel. Soc. Res. Child Development; Personnel & Guid. Asn; Asn. Aviation Psychol; N.Y. Acad. Sci. School guidance; emotional health in the classroom; projective techniques. Address: Dept. of Psychology, Central Connecticut State College, New Britain, Conn. 06050.

SWANSON, DR. ALBERT M(ARVIN), b. Chicago, Ill, Sept. 5, 26; m. 52; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Michigan, 52; U.S. Pub. Health Serv. fel, Illinois, 52-53, Ph.D.(psychol), 56. Res. psychologist, U.S. Air Force Personnel & Training Res. Center, 56; asst. prof. PSYCHOL, Rice Inst, 56-57; Indiana, 57-59; SACRAMENTO STATE COL, 59-64, assoc. prof, 64-68, PROF, 68- Res. consult, Calif. Youth Authority, 61- U.S.A.F., 45, 46-47. Psychol. Asn. Experimental studies of learning and motivation; research design and statis-

tical analysis; animal behavior. Address: Dept. of Psychology, Sacramento State College, 6000 Jay St, Sacramento, Calif. 95819.

SWANSON, PROF. BERT E(LMER), b. Tacoma, Wash, Aug. 15, 24; m. 51. POLITICAL SCIENCE, SOCIOLOGY. A.B. George Washington, 51; M.A., Oregon, 56, Ph.D. 59. Asst. U.S. Senate, 55-57; instr. polit. sci., Oregon, 58-59; Hunter Col., 59-61; SARAH LAWRENCE COL., 61-67, PROF. POLIT. SOCIOL., 67-, DIR. UPWARD BOUND PROJ., 65-, DIR. INST. COMMUNITY STUDIES, 67- Danforth faculty fel., Syracuse, 59-60; Shuster res. fel., Hunter Col., 60; Nat. Convention fel., Eagleton Inst. Polit., 60; Citizen Clearing House faculty fel., 61-62; Twentieth-Century Fund Prog. summer fel., 67. Res. consult., State Cmn. Govt. Opers., N.Y., 59-60; Inst. Pub. Admin., 60-61. Spec. asst. to chmn., New York City Housing Authority, 61-62; prin. investr., Nat. Cmn. Community Health Serv., 63-67; task force chmn., Wash., D.C. Sch. Study, 66-67; exec. dir. adv. & eval. cmt. decentralization, New York City Bd. Ed., 67- Polit. Sci. Asn. (Wilson award); Sociol. Asn.; Soc. Gen. Sys. Res.; Ed. Res. Asn. Community studies; metropolitan government; political behavior; general systems theory; public administration; decision-making in school integration controversies in New York City; mobilizing leadership for effective community action. Publ. Ed., Current trends in comparative community studies; co-auth., The rulers and the ruled, Wiley, 64; auth., The struggle for equality, Hoffs-Dorman, 66. Address: Institute for Community Studies, Sarah Lawrence College, Bronxville, N.Y. 10708.

SWANSON, PROF. CHARLES E, b. Oceanside, Calif., Aug. 16, 11; m. 35; c. 1. PSYCHOLOGY. B.A., San Diego State Col., 41; M.A., Iowa, 46, Ph.D. (commun. res.), 48. From instr. to asst. prof. Eng., journalism, San Diego State Col., 38-42; journalism, Iowa, 46-49; from assoc. prof. to prof. journalism res., Minnesota, 49-52; res. prof., inst. commun. res., Illinois, 52-54; from exec. to dir. res., Curtis Pub. Co., 54-64; PROF. MKT. RES. GRAD. SCH. BUS. ADMIN., N.Y. UNIV., 65- Off. Naval Res. grant, 49-52. U.S.M.C., 32-36; U.S.N.R., 42-45, Comdr. Psychol. Asn.; Statist. Asn. Psychology of communications; attitude change; experimental studies of meaning and meaning change. Publ. Co-auth., Frontiers of management psychology, Harper, 62. Address: Graduate School of Business Administration, New York University, 68 Trinity Place, New York, N.Y. 10006.

SWANSON, PROF. C(HARLES) G(LENN), b. Dayton, Iowa, June 9, 99. SOCIOLOGY. A.B., Colo. State Teachers Col., 26, A.M., 31; fel. N.Y. Univ., 31-34, Ph.D. 34. Assoc. prof. ed. & sociol., BOWLING GREEN STATE, 34-48, prof. SOCIOL. & in charge dept., 48-61, EMER. PROF., 61- AAAS; Acad. Polit. & Soc. Sci. Social backgrounds of education in the lower west side of New York; social and economic backgrounds of the Negro in a northern metropolitan suburb. Address: 4553 Aubrey Dr, Santa Barbara, Calif. 93105.

SWANSON, PROF. DONALD E(KLUND), b. Saronville, Nebr., Oct. 26, 09; m. 31; c. 2. PSYCHOLOGY. B.A., Nebr. Wesleyan, 30; M.A., Oregon, 32; Ph.D. (gen. psychol.), Iowa, 34. Asst. psychol., Oregon, 30-32; Iowa, 32-34, res. assoc. psychol. & dir. reading clin., 34-35, instr. psychol., 35-36; PROF. PSYCHOL., HAMLINE, 36-, DIR. TESTING, 61-, CHMN. DEPT. PSYCHOL., 67-, dir. student personnel, 36-51, dean students, 51-61. Coordinator & consult. cmt. lib. arts ed., N.Cent. Asn. Cols., 48-50. Dipl. Am. Bd. Exam. Prinf. Psychol. Fel. Psychol. Asn. Counseling; testing. Publ. Role of testing in student personnel services, Ed. & Psychol. Measurement; Common elements in silent and oral reading, Psychol. Monogr.; co-auth., Betts physiological approach to the analysis of reading disabilities as applied to the college level, J. Ed. Res. Address: Dept. of Psychology, Hamline University, St. Paul, Minn. 55101.

SWANSON, DR. DONALD F(ORBES), b. Galesburg, Ill., June 9, 28; m. 51; c. 4. ECONOMICS. B.A., Knox Col., 50; M.A., Florida, 56, Ph.D. (econ.), 60. Instr. Bellarmine Col. (Ky.), 58-59; asst. prof. ECON., South Carolina, 59-62; AS-SOC. PROF., Parsons Col., 62-65; SOUTH CAROLINA, 65- U.S.A., 50-52. Econ. Asn. Alexander Hamilton's fiscal policies. Publ. Research on the measurement of job vacancies for domestic workers, Bur. Bus. & Econ. Res., Univ. South Carolina, 67; Furniture industry: a locational analysis with application to the South Carolina economy. Address: Dept. of Economics, University of South Carolina, Columbia, S.C. 29208.

SWANSON, PROF. EARL H(ERBERT), JR., b. Milwaukee, Wis., May 13, 27; m. 54; c. 3. ANTHROPOLOGY. B.A., Carleton Col., 48; univ. scholar, Arizona, 48-51, M.A., 51; Fulbright scholar, London, 54-56; Ph.D. (anthrop.), Washington (Seattle), 56. Assoc. anthrop., Washington (Seattle), 52-54, instr. anthrop. & mus. dir., 57; head clin. lab., Kind County Cent. Blood Bank, Inc., Seattle, 56-57; instr. ANTHROP., IDAHO STATE, 57-59, asst. prof., 59-62, assoc. prof., 62-64, PROF. & CHMN. DEPT., 64-, MUS. DIR., 57- Res. grants from various funds, societies, govt. contracts, founds., cols. & univs. Consult., Grant County Pub. Utility Dist., 56; Battelle Res. Inst., 63; mus. consult., Twin Falls Sch. Dist., Idaho, 67. AAAS; Soc. Am. Archaeol.; fel. Anthropol. Asn.; Brit. Prehist. Soc. Environmental archaeology and ethnology. Publ. The emergence of plateau culture, No. 8, 62 & Desert edge culture: human ecology in the Northern Rocky Mountains, 68, Occasional Papers of Idaho State Univ. Mus.; Ecological communities in northwest prehistory, Quaternaria, 66. Address: Idaho State University Museum, Pocatello, Idaho 83201.

SWANSON, PROF. EARL R(AYMOND), b. Rankin, Ill., May 26, 21; m. 51; c. 3. AGRICULTURAL ECONOMICS. B.S., Illinois, 43; M.S., Minnesota, 48; fel., Iowa State Col., 49-50, Ph.D. (agr. econ.), 51. Instr. AGR. ECON., ILLINOIS, URBANA, 50-51, asst. prof., 52-55, assoc. prof., 55-58, PROF., 58-, ASSOC. HEAD DEPT., 67- Fulbright res. scholar, Royal Col. Agr., Copenhagen, 58-59; summers, vis. prof., Hokkaido, 58, exchange lectr., U.S.-U.S.S.R. Cultural Exchange Prog., 63. Ed. J. Farm Econ., 65-67; Am. J. Agr. Econ., 68. U.S.A., 43-46, 51-52, Capt. Econ. Asn.; Agr. Econ. Asn.; Economet. Soc. Economics of agricultural production. Publ. Operations research techniques, Chap. 11, In: Methods for land economics research, Univ. Nebraska, 66; Profit maximization and measures of farm success, J. Farm Econ., 11/53; Unit value pricing of prices received by farmers, Nat. Bur. Econ. Res. Staff Paper, Gen. Series, 61. Address: 1907 Harding Dr, Urbana, Ill. 61801.

SWANSON, DR. EDWARD O(RLEY), b. Mukwanago, Wis., Oct. 8, 18. PSYCHOLOGY. B.A., Minnesota, 48, M.A., 49, Ph.D. 53. Res. assoc. ed. testing serv., Princeton, 51-53; asst. prof. PSYCHOL., MINNESOTA, MINNEAPOLIS,

53-64, ASSOC. PROF., 64- Consult., Am. Bd. Dermat., 56- AAAS; Psychol. Asn.; Personnel & Guid. Asn.; Col. Personnel Asn.; Nat. Coun. Measurement in Ed. Tests and measurements. Publ. Co-auth., I. Norms on Minnesota schools and colleges & II. Expectancy tables for freshmen entering Minnesota colleges, In: Minnesota test-norms and expectancy tables; co-auth., Who goes to college & Counseling and the use of tests. Address: 101 Eddy Hall, Student Counseling Bureau, University of Minnesota, Minneapolis, Minn. 55455.

SWANSON, DR. EDWIN A(RCHIE), b. St. Edward, Nebr., July 5, 08; m. 33; c. 2. BUSINESS EDUCATION. B.S., Nebr. State Teachers Col., Kearney, 32; George Washington, 33-34; fel., Southern California, 35-36, M.S., 36, Ed.D., 49. Teacher, pub. schs., Nebr., 25-35; instr. bus. & Eng., Fullerton Jr. Col., 36-37, 38-39; vis. instr. ed. & commerce & acting chmn. dept. off. admin. & bus. ed., Southern California, 37-38; assoc. prof. commerce & head dept., Ariz. State Col., 39-46; PROF. BUS. & CHMN. DEPT. BUS. ED., SAN JOSE STATE COL., 46- Summer vis. prof., Southern California, 37, 39 & 42, Tennessee, 40 & 41, Woman's Col., North Carolina, Greensboro, 41, Armstrong Col., 44 & 45, Colo. State Col. Ed., 46, Florida, 53. Mem. bd. gov., Nat. Res. & Develop. Proj. Bus. Ed., 67-68. Nat. Bus. Ed. Asn. (ed. Nat. Bus. Ed. Quart., 39-41, pres., 50-51). Business history; business classroom teacher. Publ. Contrib. auth., The high school curriculum, Ronald, 47, 2nd ed., 56, 3rd ed., 64; ed., New media in teaching the business subjects, Nat. Bus. Ed. Asn. Address: Dept. of Business Education, San Jose State College, San Jose, Calif. 95114.

SWANSON, PROF. ERNST W(ARNER), b. Ashtabula, Ohio, June 26, 04. ECONOMICS. Ph.B., Chicago, 30, fels., 30-32, 33-34, Ph.D., 40; fel., Brookings Inst., 32-33. Asst. prof. finance & statist., Drake, 34-36; asst. prof. & assoc. prof. bus. admin., State Col. Wash., 36-41; lectr. finance, American Univ. & George Washington, 42-47; prof. ECON., Butler, 47-48; Emory, 48-60; PROF. & HEAD DEPT., N.C. STATE, 60- Vis. lectr., Army War Col., 43-45; head econ. res. eng. exp. sta., Ga. Inst. Tech., 56-60. Mil. opers. res. scientist, Lockheed Aircraft Corp., 55-56. Res. prog. secy. & mem., Inter-Univ. Cmt. Econ. Res. on the South, 57- Tech. adv., Adv. Coun. Fed. Reports, 45-47; consult., Fund Adv. Ed., 53-55; U.S. Study Cmn., 55-61; Nat. Park Serv., U.S. Dept. Interior, 68-69. Ed., South. Econ. J., 60-52, 55-57. Economic problems and theory. Publ. Scandinavian business cycle theory; co-auth., Economic stagnation and progress; Public education in the South, today and tomorrow. Address: Dept. of Economics, 201 Patterson Hall, North Carolina State University, Raleigh, N.C. 27607.

SWANSON, PROF. G(UY) E(DWIN), b. Warren, Pa., Oct. 6, 22; m. 48; c. 4. SOCIOLOGY. A.B., Pittsburgh, 43, A.M., 43; Ph.D., Chicago, 48. Instr. SOCIOL., MICHIGAN, 48-49, asst. prof., 49-54, assoc. prof., 54-59, PROF., 59- Sociol. Asn. Social organization; social psychology. Address: Dept. of Sociology, University of Michigan, Ann Arbor, Mich. 48104.

SWANSON, PROF. HAROLD B, b. Maple Lake, Minn., Mar. 2, 17; m. 42; c. 3. JOURNALISM, ADULT EDUCATION. B.A., Minnesota, 39, M.S., 49; Kellogg Found. fel., Wisconsin, 63-65, Ph.D. (adult ed.), 65. Advert. mgr., Plainview News, Minn., 39; ed. agr. bull., MINNESOTA, ST. PAUL, 39-42, instr., 42, instr. & info. specialist, 46-47, PROJ. LEADER ED. AIDS & HEAD INFO. & AGR. JOURNALISM, 48-, PROF., 58; asst. prof., 48-50, assoc. prof., 50-58. Summer lectr., Wisconsin, 60; lectr., Manitoba Exten. Serv., 62-63; summer lectr., Colorado State, 66. Mem. bd. dir., Nat. Proj. Agr. Commun., 54-55. Superior serv. award, U.S. Dept. Agr., 63. U.S.A., 42-45, Sgt. Adult Ed. Asn. U.S.; Asn. Agr. Col. Ed. (secy. & ed., 51-52, v. pres., 51-53, pres., 53-54). Agricultural journalism and communications; motivation of adult educators toward professional development. Publ. Factors associated with motivation toward professional development of county agricultural extension agents in Minnesota, Univ. Wisconsin, 65; Principles of learning—make communications effective in adult education, 65 & What motivates educators to improve, In: Minnesota science, Univ. Minnesota, 67. Address: 107 Coffey Hall, University of Minnesota, St. Paul, Minn. 55101.

SWANSON, DR. JAY P, Agr. Econ., see 10th ed, Soc. & Behav. Vols.

SWANSON, PROF. JESS N(ELSON), Pub. Admin., see 10th ed, Soc. & Behav. Vols.

SWANSON, PROF. KARL THOR WALDEMAR, b. Ogden, Iowa, Jan. 22, 22; m. 50; c. 2. POLITICAL SCIENCE. B.A., Iowa, 43, M.A., 47; Ph.D. (polit. sci.), Syracuse, 53. Instr. POLIT. SCI., Syracuse, 49-51; WASHINGTON STATE, 51-55, asst. prof., 55-61, assoc. prof., 61-66, PROF., 66- Nat. Munic. League staff fel., 56-57. Consult., Spokane County Planning Cmn., 55; State Cmn. Constitutional Revision, N.Y., 57. Spec. asst. to Governor William A. Egan, State Alaska, 63-64. U.S.N.R., 43-46, Lt. (jg). Polit. Sci. Asn.; Soc. Pub. Admin. Public administration; state and local government. Publ. Governmental units in Spokane County; co-auth., American national government & American state and local government. Address: Dept. of Political Science, Washington State University, Pullman, Wash. 99163.

SWANSON, (CARL) LEONARD, b. Duluth, Minn., Oct. 19, 23; m. 51; c. 2. PSYCHOLOGY. B.A., Minnesota, 49, M.A., 52. Asst. psychol., Minnesota, 50-52; asst. proj. dir., U.S. NAVAL PERSONNEL RES. ACTIVITY, 52-54, proj. dir., 54-62, PROG. DIR., 62- U.S.A., 43-46. Psychol. Asn. Personnel selection and classification; test construction and validation; performance evaluation, criterion development. Address: 3977 La Cresta Dr, San Diego, Calif. 92107.

SWANSON, DR. LEONARD WILLIAM, Math., see 11th ed, Phys. & Biol. Vols.

SWANSON, DR. PAUL J, JR., b. Crawfordsville, Ind., May 10, 34. FINANCE, QUANTITATIVE ANALYSIS. B.S., Illinois, 59 & 60, M.S., 62, Ph.D. (finance), 66. Asst. prof. finance, CINCINNATI, 65-67, ASSOC. PROF. FINANCE, 67-, prof-in-charge quant. anal., 67-68. Univ. Cincinnati Faculty res. grant, summer 67. U.S.A., 56-58, Res., 58-62. Inst. Mgt. Sci.; Opers. Res. Soc. Am.; Finance Asn.; Sys. & Procedures Asn.; Financial Anal. Fedn. Efficient allocation of resources within profit and non-profit organizations including capital budgeting, cost-benefit effectiveness analysis using techniques of

quantitative analysis; computer feasibility and applications within these organizations. Address: College of Business Administration, University of Cincinnati, Cincinnati, Ohio 45221.

SWANSON, DR. ROBERT, b. Ames, Iowa, Sept. 17, 28; m. 51; c. 5. CLINICAL PSYCHOLOGY. B.A. Iowa, 51, M.A., 54, Ph.D., 55. Trainee clin. psychol. Vet. Admin. Ment. Hyg. Clin. Des Moines, Iowa, 55-56, clin. psychologist, 56-57, superv. clin. psychologist, 57-59; CHIEF CLIN. PSYCHOLOGIST, DULUTH MENT. HYG. CLIN., 59- Lectr., Minnesota, 61- U.S.A., 46-48. Psychol. Asn. Validation of clinical psychological tests; study of day treatment of disturbed children. Publ: Perception of simultaneous tactual stimulation in defective and normal children, *Am. J. Ment. Deficiency*; co-auth. Some aspects of the genetic development of right-left discrimination, *Child Develop.* Address: Duluth Mental Hygiene Clinic, 1401 E. First St, Duluth, Minn. 55805.

SWANSON, DR. ROBERT A(LDEN), b. Minneapolis, Minn, Apr. 27, 16; m. 44; c. 2. PSYCHOLOGY. Fel. Minnesota, 46-47, Ph.D.(psychol), 54. Asst. Minnesota, 47-49, instr., 49-50; res. psychologist, U.S. Air Force, 50-56; personnel subsyst. mgr. SPACE SYST. DIV. LOCKHEED MISSILES & SPACE CO, 56-63, MGR. HUMAN FACTORS, 63- U.S.A.A.F., 42-45. Psychol. Asn. Human factors in equipment design; proficiency training and personnel system evaluation. Publ: Survey of research problems in the utilization of mobile training units; Relative effectiveness of training aids designed for use in mobile training units; Two studies in evaluation of maintenance training devices. Address: 1538 Coronach St, Sunnyvale, Calif. 94087.

SWANSON-EARTLY, DR. HEIDI H, Endocrinol, see 11th ed, Phys. & Biol. Vols.

SWANSTROM, PROF. ROY, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SWARD, DR. KEITH, Psychol, see 10th ed, Soc. & Behav. Vols.

SWARTHOUT, DEAN JOHN M(AX), b. Jacksonville, Ill, May 29, 13. POLITICAL SCIENCE. A.B. Southern California, 34, A.M., 37, fel., 39-41, Ph.D., 42. Instr., N.Mex. State Col., 41-42; asst. prof. polit. sci., Oregon State, 46-47, assoc. prof., 47-50, prof., 50-58, chmn. dept., 47-58; dean faculty, PORTLAND STATE COL., 58-67, PROF. POLIT. SCI., 57- Ford faculty fel., 53-54; assoc. dir., Citizenship Clearing House, 57-68. Polit. Sci. Asn; Soc. Int. Law. American government and international relations. Publ: Co-auth. Principles and problems of American national government, Materials on American national government & Principles and problems of state and local government. Address: Dept. of Political Science, Portland State College, 1620 S.W. Park Ave, Portland, Ore. 97207.

SWARTLEY, JOHN C(ASSEL), b. Doylestown, Pa, Sept. 15, 01; m. 41. ECONOMIC. S. B. Lehigh, 24. Econ. statistician, Am. Tel. & Tel. Co., 45-58, chief statistician, 58-62, dir. bus. res., 62; RETIRED. Dir. Thomas & Betts Co. U.S.A., 42-45, Lt. Col. Economics as related to the telephone industry; business cycles; long term growth trends. Address: 197 Maple St. Englewood, N.J. 07631.

SWARTZ, DR. B(ENJAMIN) K(INSELL), JR., b. Los Angeles, Calif, June 23, 31; m. 66. ANTHROPOLOGY. B.A. California, Los Angeles, 54, M.A., 58; Ph.D.(anthrop), Arizona, 64. Curator, Klamath County Mus., 59-61; ASST. PROF. ANTHROP. & DIR. ARCHAEOLOG. SUMMER FIELD SCH., BALL STATE, 64- Consult, salvage archaeol., Nat. Park Serv., 61-63; undergrad. sci. equip. prog., Nat. Sci. Found., 66-67. U.S.N.R., 54-56. Brit. Prehist. Soc; Soc. Am. Archaeol.; fel. Anthrop. Asn. Archaeology, theory and methods; North America; African paleolithic; material culture and analysis; anthropological theory. Publ: Archaeological manual, Ball State Univ, 66; Klamath basin petroglyphs, Arch. Archaeol., 63; A logical sequence of archaeological objectives, *Am. Antiquity*, 67. Address: Dept. of Sociology & Anthropology, Ball State University, Muncie, Ind. 47306.

SWARTZ, DR. JACOB, b. Poznan, Poland, June 5, 21; U.S. citizen; m. 45; c. 4. PSYCHIATRY. B.S. Boston, 42, M.D., 46. Assoc. PSYCHIAT. Med. Col. Ga., 48; instr., SCH. MED. BOSTON, 50-59, asst. prof., 59-62, ASSOC. PROF., 62-, DIR. PSYCHIAT. CLIN. UNIV. HOSP., 60- Med.C. A.U.S., 47-49, Capt. Psychoanal. Asn; Psychiat. Asn. Psychoanalysis. Publ: Emotional reactions to poliomyelitis, *Ment. Hyg.*, 58; Conformity and non-conformity: some psychoanalytic observations, *J. Nervous & Ment. Disease*, 64; The outpatient clinic, *Int. Psychiat. Clin.*, 66. Address: Dept. of Psychiatry, Boston University School of Medicine, Boston, Mass. 02118.

SWARTZ, PROF. MARC JEROME, b. Omaha, Nebr., Oct. 31, 31; m. 52. ANTHROPOLOGY. A.B. Washington (St. Louis), 52, A.M., 53; Ph.D., Harvard, 58. Instr. anthrop., Massachusetts, 57-58, asst. prof., 58-59; Chicago, 59-63, assoc. prof. ANTHROP. & AFRICAN STUDIES, MICH. STATE, 63-67, PROF., 67- Vis. prof., Cornell, 67-68. Fel. Anthropol. Asn; Ethnol. Soc; fel. African Studies Asn; fel. Royal Anthropol. Asn. Processual analysis of social and cultural systems with particular interest in politics and kinship in East Africa at the local level; development of processual theory; motivational aspects of society and culture. Publ: Co-auth. Political anthropology, 66, & auth. Local-level politics, 68, Aldine; Continuities in Bena politics, *Southwest J. Anthropol.*, 67. Address: Dept. of Anthropology, Michigan State University, East Lansing, Mich. 48823.

SWARTZ, PROF. MELVIN B, b. Providence, R.I., Aug. 18, 18; m. 56; c. 1. PSYCHOLOGY. Wayland & Manning scholars, Brown, 37-41, A.B., 41; M.A., Columbia, 48; Ph.D.(psychol), N.Y. Univ., 53. Assoc. res. psychologist, Ernest Dichter, Inc., 51; Richardson, Bellows, Henry & Co., 51-52; res. psychologist, Compton Advert., Inc., 53-54; Inst. for Motivational Res., 54-56; asst. prof. PSYCHOL. PACE COL., 56-62, assoc. prof., 62-65, PROF., 65-, DIR. ACAD. CHALLENGE PROG., 68- Vis. lectr., Queens Col.(N.Y.), 56- Consult, Gahagan Res. Co., 59-60. U.S.A.A.F., 42-46. Psychol. Asn. Rorschach and other projective techniques; cognitive functions; motivation. Publ: Role of color in the Rorschach, *Dissertation Abstracts*. Address: Dept. of Psychology, Pace College, 41 Park Row, New York, N.Y. 10038.

SWARTZ, PROF. PAUL, b. Buffalo, N.Y., Sept. 21, 27; m. 50; c. 2; div; m. 67. PSYCHOLOGY. B.A. Buffalo, 47; M.A., Stanford, 49; Ph.D.(psychol), Rochester, 51. Instr. PSYCHOL., Hobart & William Smith Colls., 51-53, asst. prof., 53-56; from assoc. prof. to prof., Wichita State, 56-65; from assoc. prof. to PROF. ALBERTA, 65- AAAS; Psychol. Asn. Aesthetics; existentialism as a language for psychology; psychology and literature; the sociology of psychological knowledge. Publ: Psychology; the study of behavior, *Van Nostrand*, 63; A new method for scaling pain, *J. Exp. Psychol.*, 53; Stimulus evolution in problem solving behavior: an interbehavioral analysis, *Psychol. Reports*, 55. Address: Dept. of Psychology, University of Alberta, Edmonton, Alta, Can.

SWARTZ, DR. ROBERT DAVID, b. New York, N.Y., May 17, 37. GEOGRAPHY. A.B. Columbia, 59, B.S., 60, M.A., 62; Ph.D.(Latin Am. urban geog), Northwestern, 67. Researcher int. mkt. & bus. Sears, Roebuck & Co., 63-67. ASST. PROF. GEOG. WAYNE STATE, 67- Asn. Am. Geog. Latin America; urban morphology; retail location; international business and marketing. Address: Dept. of Geography, Wayne State University, Detroit, Mich. 48202.

SWARTZ, DR. THOMAS R(ICHARD), b. Philadelphia, Pa, Aug. 31, 37; m. 61; c. 4. ECONOMICS. B.A., La Salle Col., 60; M.A., Ohio, 62; fel. & Ph.D. (econ), Indiana, 65. Asst. Ohio, 60-62; Indiana, 62-64; ASST. PROF. ECON. & PUB. FINANCE, NOTRE DAME, 65-, ASSOC. CHMN. DEPT. ECON., 68- Consult, State of Ind., 65-; Mishawaka Sch. Dist., Ind., 68. Nat. Tax Asn. Public finance, especially motor vehicle taxation, taxation of financial institutions and property tax relief. Publ: Co-auth. Business taxation in Indiana, *Ind. Cmn. State Taxation & Financing Policy*, 67. Address: Dept. of Economics, University of Notre Dame, Notre Dame, Ind. 46556.

SWARTZ, DEAN WILLIS G(EORGE), Int. Law & Rels, see 10th ed, Soc. & Behav. Vols, deceased 64.

SWARTZLANDER, DR. EARL E(UGENE), b. Ford City, Pa, Mar. 25, 12; m. 43; c. 4. PSYCHOLOGY. B.S., Illinois, 34, M.S., 39; Ph.D.(psychol), N.Y. Univ., 48. Psychologist, State Prison Syst., Ind., 39-41; chief psychologist, Vet. Admin. Hosp., Northport, N.Y., 46-50; Fitzsimons Army Hosp., Denver, Colo., 50-52; CONSULT, Rohrer, Hibler & Replogle, 52-56; SWARTZLANDER & HEYER, 56- Chmn. Colo. Bd. Psychologist Exam., 63- Dipl. Am. Bd. Exam. Princl. Psychol., 49. U.S.A., 41-45, Capt. Fel. Psychol. Asn; Royal Medico-Psychol. Asn. (past pres). Psychological development of management training. Address: 10465 W. Center Ave, Denver, Colo. 80226.

SWARUP, DR. C(HAITANYA), b. Lucknow, India, June 11, 35; m. 58; c. 2. STATISTICS, MATHEMATICS. B.Sc., Lucknow, 54, M.Sc., 57; M.S., Mich. State, 64; Ph.D.(math. statist), New Mexico, 64. Asst. prof. statist., Lucknow, 57-58; res. asst., Mich. State, 59-62; instr. & res. asst., New Mexico, 62-64; sr. assoc. statistician, INT. BUS. MACH. CORP., 64-65, STAFF STATISTICIAN, 65- Inst. Math. Statist; Statist. Asn. Information theory; probability; statistical inference; design of experiments. Publ: An information-theoretical criterion for the level of significance, 68 & Asymptotically most powerful tests, 68, *Acta Mathematica*. Address: Scientific Computation Dept. B23, International Business Machines Corp., P.O. Box 390, South Rd. Lab. Bldg. 965, Poughkeepsie, N.Y. 12603.

SWATEZ, DR. GERALD M(ILTON), b. Minneapolis, Minn, Sept. 10, 35; m. 56; c. 3. SOCIOLOGY. B.A. Minnesota, 57; Nat. Sci. Found. fel. Pa. State, summer, 58, M.A., 59; Ph.D.(sociol), California, Berkeley, 66. Res. sociologist, space sci. lab, California, 63-65; res. assoc. indust. rels. center, Chicago, 65-66; asst. prof. SOCIOL., ILLINOIS, CHICAGO, 66- Consult, Allied Ed. Coun., Chicago, 66- AAAS; Sociol. Asn. Complex organizations; sociology of science; role theory; social and cultural change. Address: Dept. of Sociology, University of Illinois, Chicago, Ill. 60680.

SWAUGER, JAMES L(EE), b. West Newton, Pa, Nov. 1, 13; m. 43; c. 3. ANTHROPOLOGY. B.S. Pittsburgh, 41, M.Litt., 47. Lab. asst. sect. archaeol. & ethnol., CARNEGIE MUS., 35-41, asst. preparator, vert. paleont., 41-42, custodian, sect. archaeol. & ethnol., 46-48, CURATOR, SECT. MAN., 49-, ASST. DIR., 55- Lectr., Pittsburgh, 48-50, Duquesne, 50-51; consult. & lectr. human rels. inst. Pa. State, 51. Dir. Ashdod Excavation Proj., 64-; mem. Pa. Cmn. for Achievement Human Potential, 67- U.S.A., 42-46, Capt. AAAS; Archaeol. Asn; Antiq. Soc; Archaeol. Inst; Asn. Mus. Local historical archaeology; local colonial history; Pentatomidae. Publ: Review of Mr. F.H. Gerroddt's notes on the excavation of the McKees Rocks Mound, *The Mingo & Power tools and archaeology*, Pa. Archaeologist. Address: Carnegie Museum, 4400 Forbes St, Pittsburgh, Pa. 15213.

SWAYZE, DR. ERNEST HAROLD, Slavic Lit, Polit. Sci, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang. Ling. & Philol.

SWAYZEE, DR. CLEON O, b. New Maysville, Ind, June 3, 03; m. c. 4. LABOR ECONOMICS. A.B. Wabash Col., 25; M.A., Columbia, 29, Ph.D., 34. From asst. prof. to assoc. prof. econ. & labor, Nebraska, 30-34, 36-41; instr., Columbia, 34-35; spec. rep., U.S. Employ. Serv., 36; from asst. dir. to dir. labor off., Off. Price Admin., 41-44; chief migration br., U.S. Dept. State, 44, spec. asst., div. int. labor & soc. affairs, 45-47, assoc. chief, 47-49, chief, 49-52, dir. res. bd. overseas training & res., Ford Found., 52-53, exec. assoc. int. progs., 53-61, assoc. dir. int. training & res., 61-66; FOR. & INT. AFFAIRS CONSULT, 66- Econ. Asn. Near and Middle East; international affairs; United States higher education. Publ: Co-auth. Introduction to business; auth. Contempt of court in labor injunction cases; Some things we don't know about the injunction, *Am. Federationist*. Address: Mecox Rd., Water Mill, N.Y. 11976.

SWEARER, DR. HOWARD R(OBERT), b. Hutchinson, Kans, Mar. 13, 32; m. 54; c. 3. POLITICAL SCIENCE. A.B. Princeton, 54; Ford Found. fel., Harvard, 54-56, M.A., 56, Am. Polit. Sci. Asn. Cong. fel., 59, Ph.D.(polit. sci.), 60. Asst. prof. POLIT. SCI., CALIFORNIA, LOS ANGELES, 60-64, ASSOC. PROF., 64-, chmn. cmt. int. studies, 65-67. Prog. officer, int. div., Ford Found., 67-68. U.S.A., 57-58, 1st Lt. Polit. Sci. Asn; Asn. Adv. Slavic Studies. Soviet Union; comparative politics. Address: Dept. of Political Science, University of California, Los Angeles, Calif. 90024.

SWEARINGEN, DR. EUGENE L(AUREL), b. Grant, Nebr., Aug. 21, 20; m. 41; c. 3. ECONOMICS. B.S. Okla. State, 41, M.S. 48; Ph.D.(econ), Stanford, 55. Asst. prof. econ. Okla. State, 51-56, assoc. prof. 56-57, prof. & dean, col. bus., 57-65, acting v.pres. acad. affairs, 64-65, v.pres. develop., 64-66, bus. & finance, 66-67; pres., Univ. Tulsa, 67-68; PRES. NAT. BANK TULSA, 68- U.S.N., 43-46, Lt. Econ. Asn; Statist. Asn. Economic education; petroleum economics; business statistics; university administration; financing higher education. Publ: Co-auth, Business and economic education for the academically talented; Business policy cases, first ed, 63, Second Ed, 66, Irwin; auth, Oklahoma corporation historical data, Chronicles Okla. Address: 2650 E. 66th St, Tulsa, Okla. 74105.

SWEARINGEN, PROF. (ARTHUR) RODGER, b. Los Angeles, Calif., Apr. 23, 23; m. 53. INTERNATIONAL RELATIONS. B.A., Southern California, 46, M.A., 48; fel. Harvard, 50-52, Ph.D.(polit. sci. int. rels.), 52. Asst. prof. INT. RELS. & HIST., SOUTHERN CALIFORNIA, 51-55, assoc. prof. 56-62, PROF. 62-, DIR. RES. INST. COMMUNIST STRATEGY & PROPAGANDA, 61- Ford Found. grant, 53-56. U.S.A., 42-46, Capt. Asn. Asian Studies. Soviet-Asian relations; Soviet Far Eastern policy; foreign policies of the Moscow-Peking axis and the Asian response; Far Eastern international relations. Publ: Co-auth, Red flag in Japan; Communism in Vietnam; ed, Focus: world communism. Address: 2677 Mandeville Canyon Rd, Los Angeles, Calif. 90046.

SWEEDLUN, PROF. VERNE SEBASTIAN, Am. Hist. Soc. Sci., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SWEENEY, DR. DONALD RAYMOND, b. Medford, Mass., Aug. 14, 37; m. 61; c. 2. PSYCHOLOGY. A.B., Col. Holy Cross, 58; M.A., Fordham, 60, Nat. Sci. Found. fel. 60-61, Ph.D.(exp. psychol.), 62. Res. psychologist, U.S. Army Res. Instr. Environ. Med. 62-65; Nat. Inst. Ment. Health fel. 65-66; FEL. PSYCHIAT. MED. CENTER, ROCHESTER, 67- Nat. Asn. Ment. Health fel., summer 67. U.S.A., 61-65, Capt. Psychol. Asn. Psychophysiology: perceptual correlates of pain reactivity; classification of emotions through multivariate procedures. Publ: Co-auth, Pain reactivity and field dependence, 65 & auth, Pain reactivity and kinesthetic aftereffect, 66, Perceptual & Motor Skills; co-auth, Personality and catecholamine excretion, J. Exp. Res. Personality, 68. Address: 44 Oak St, Geneseo, N.Y. 14454.

SWEENEY, DR. EDWARD J(OSEPH), Psychol., see 10th ed, Soc. & Behav. Vols.

SWEENEY, DR. EUGENE T, U.S. Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SWEENEY, DR. HENRY W(HITCOMB), Acct., Law, see 10th ed, Soc. & Behav. Vols., deceased 67.

SWEENEY, MARY A(GNES), b. St. Paul, Minn., Nov. 14, 00. PSYCHOLOGY. A.B., Col. of St. Catherine, 21; M.A., Minnesota, 27. Teacher, pub. schs., Minn., 21-39; SUPVR. VOC. REHAB. ST. PAUL DEPT. ED., 39-, dir. voc. guid. library, 37-39. Dipl. Am. Bd. Exam. Prfnl. Psychol. Psychol. Asn; Rehab. Asn. Chemistry; vocational information; handicaps; the mentally retarded. Publ: Handbook for librarians; Rehabilitation. Address: 655 Hague Ave, St. Paul, Minn. 55104.

SWEENEY, PROF. STEPHEN B(INNINGTON), b. Brooklyn, N.Y., July 9, 99; m.; c. 2. GOVERNMENT, BUSINESS ADMINISTRATION. B.S., Pennsylvania, 22, Ph.D., 27. Instr. econ. PENNSYLVANIA, 22-25, ins. 25-27, asst. prof., 27-37, assoc. prof., 37-42, SAMUEL S. FELS PROF. GOVT. ADMIN., 45-, EXEC. DIR. FELS INST. LOCAL & STATE GOVT, 37- State dir. workmen's compensation, Pa., 32-35; employ. Works Prog. Admin., 35-36, asst. state adminstr., 36-37; dir., State Coun. Ed., Pa., 39-; Bur. Munic. Res., Phila., 40-; impartial arbitrator, Cramps Shipyard & War Labor Bd., 43-45. Mem., Inst. Res. Human Rels. U.S.N., 17-19. Polit. Sci. Asn; Soc. Pub. Admin. (v.pres); Acad. Polit. & Soc. Sci. (v.pres); Int. City Mgr. Asn. Local and state government and administration. Publ: Ed, Metropolitan analysis & Education for administrative careers in government service; auth, Outline of needed changes in the Pennsylvania Workmen's Compensation Law. Address: Dept. of Political Science, University of Pennsylvania Graduate School, Philadelphia, Pa. 19104.

SWEENEY, DR. THOMAS J, b. Akron, Ohio, Aug. 25, 36; m. 59; c. 3. COUNSELING, GUIDANCE. B.A., Akron, 59; M.S., Wisconsin, 60; Ph.D.(guid. counseling), Ohio State, 64. Teacher, pub. schs., Ohio, 58-60 & 61; instr. ed., Ohio State, 61-63; sch. counsr., high sch., Ohio & southwest, city schs., 63-64; ASSOC. PROF. ED. & DIR. GUID. CENTER, SOUTH CAROLINA, 64- Vis. prof., Ohio State, summer, 64. Consult., several S.C. schs. & S.C. State Dept. Ed., 64-; S.C. Employ. Security Cmn., 65- Med.Serv.C., U.S.A., 60-61, Res., 58-60, 61-66, Capt. Personnel & Guid. Asn; Psychol. Asn. School counselor role; characteristics of counselors. Publ: Co-auth, How to study a class, In: How to do it series, Nat. Coun. Soc. Studies, 65; auth, The school counselor as perceived by school counselors and their principals, Personnel & Guid. J., 4/66; co-auth, Profile of a counselor, Voc. Guid. Quart., 12/66. Address: 6627 Christie Rd, Columbia, S.C. 29209.

SWEENEY, DR. HALE C(ATERSON), Math. Statist., see 11th ed, Phys. & Biol. Vols.

SWEET, DR. FRANKLYN HALEY, b. Madison, Wis., Aug. 19, 16; m. 36; c. 1. ACCOUNTING, BUSINESS ADMINISTRATION. B.S., Alabama, 38, M.S. 48; Ph.D.(bus. admin), Texas, 62. Internal auditor, Sears Roebuck & Co., 38-42; sr. acct., Strickland & McDaniel, Cert. Pub. Accountants, 42-45; asst. prof. acct., Alabama, 46-48; prof. acct. & chmn. dept. commerce, Spring Hill Col., 48-64; PROF. ACCT. & CHMN. DEPT., Kent State, 64-66; SOUTH ALABAMA, 66-, INTERIM DEAN ACAD. AFFAIRS, 67- Consult. acct., Wiik, Reimer & Sweet, Cert. Pub. Accountants, 58- Inst. Cert. Pub. Acct.; Am. Acct. Asn. Long range planning. Publ: Strategic planning—a conceptual evaluation, Univ. Texas, 64; co-auth, A technique for determining a firm's minimum bank balance, Southern Illinois Univ., 67. Address: 500 Ridgeland Dr. W., Mobile, Ala. 36608.

SWEET, DR. LOUISE E(LIZABETH), b. Ypsilanti, Mich., Oct. 1, 16. CULTURAL ANTHROPOLOGY. A.B., Eastern Michigan, 37; M.A., Michigan, 39, Ph.D., 57. Vis. asst. prof. anthropol., Kansas, 57-58; res. grant, Soc. Sci. Res. Coun., 58-59; res. fel. ANTHROP., Michigan, 59-60; ASSOC. PROF., Indiana State Col.(Pa.), 60-63; STATE UNIV. N.Y. BINGHAMTON, 63-, chmn. dept., 66-68. Soc. Sci. Res. Coun. grant, 64-65, summer faculty fel. 61; vis. assoc. prof., Manitoba, 68-69. AAAS; Am. Anthropol. Asn; Ethnol. Soc; Ethnohist. Soc; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Ethnology; cultural ecology; culture change of the Levant and the Persian Gulf; comparative ethnohistory of Near Eastern enclaves. Publ: Tell Toqaan: a Syrian village, Univ. Michigan, 60; Camel raiding of North Arabian Bedouin: a mechanism of ecological adaptation, Am. Anthropologist, 65; The women of 'Ain ad. Dayr, Anthropol. Quart., 67. Address: Dept. of Anthropology, State University of New York at Binghamton, Binghamton, N.Y. 13901.

SWEETBAUM, DR. HARVEY ARNOLD, b. New York, N.Y., Jan. 14, 30; m. 52; c. 2. CLINICAL PSYCHOLOGY. B.A., Long Island, 50; M.A., N.Y. Univ., 51; Ph.D., Pennsylvania, 60. Chief div. ment. health, Montgomery County Health Dept., Md., 57-61; CO-DIR., CONSULT. & GUID. CENTER, 61-, dir. psychiat. clin., 60-61. Consult., U.S. State Dept., 66- U.S.A., 51-53, Sgt. Orthopsychiat. Asn; Psychol. Asn; Group Psychother. Asn; World Ment. Health Asn. Conditioning and anxiety; psychopathology and perception. Publ: Comparison of the effects of anxiety and introversion extroversion on anxiety; Shortest noticeable light dark ratio on schizophrenics. Address: 12605 Pentenville Rd., Silver Spring, Md. 20904.

SWEETLAND, DR. ANDERS, Psychol., see 10th ed, Soc. & Behav. Vols.

SWEETSER, PROF. ALBERT G(IBBY), b. Boston, Mass., Oct. 16, 15; m. 53. BUSINESS FINANCE. A.B., Harvard Col., 37; M.B.A., N.Y. Univ., 42; Ph.D. (bus. admin), American Univ., 61. Credit analyst, Mfrs. Trust Co., N.Y., 37-42; economist & statistician, U.S. Civil Aeronaut. Bd., D.C., 42-45; int. ed., Am. Aviation Mag., 45; instr. econ. & finance, col. bus. admin., Boston, 45-46; asst. prof. econ., Wesleyan, 46-48; econ. & bus. admin., Norwich, 49-50; prof. bus. ed. & dir. div., Nasson Col., 50-51; lectr. acct. & finance, sch. bus., Northeastern, 51-53; assoc. prof. econ. & bus. admin., Westminster Col.(Pa.), 53-56; Wis. State, Eau Claire, 56-59; assoc. prof. finance & chmn. dept., sch. bus. admin., Duquesne, 59-63, prof., 63-67; PROF. FINANCE & CHMN. DEPT. FINANCE & LAW, SCH. BUS. STATE UNIV. N.Y. ALBANY, 67- Dir. summer session, law sch., Portland, 51. Pub., Appalachian Financial Rev., 65- Econ. Asn; Finance Asn; Bus. Law Asn; Inst. Chartered Financial Analysts. Publ: Financing goods; Bank loans secured by field-warehouse receipts. Address: 17 Broadleaf Dr., Elnora, N.Y. 12065.

SWEETSER, DR. DORRIAN APPLE, b. Wichita Falls, Tex., Nov. 19, 24. SOCIOLOGY. B.A., Texas, 47, M.A., 48; Gen. Ed. Bd. fel. Radcliffe Col., 51-53, Ph.D.(sociol.), 55. Instr. sociol., Tulane, 48-51; asst. grad. unit, sch. pub. health, Harvard, 53-54, res. assoc., 54-55; vis. asst. prof., BOSTON, 55-57, asst. prof. SOCIOL., sch. nursing, 57-64, ASSOC. PROF., SCH. NURSING & GRAD. SCH., 64- Lectr., sch. nursing, Simmons Col., 54-60; statist. analyst, Mass. Surv. Nursing Needs & Resources, 59-60; soc. scientist, anti-depressant drug proj., Mass. Ment. Health Center, 60-62; Soc. Sci. Res. Coun. grant-in-aid, 62; Nat. Sci. Found. res. grant & U.S. Pub. Health Serv. training grant, 65-68. Fel. Sociol. Asn. Medical sociology; social structure; research methods. Publ: Ed, Sociological studies of health and sickness; auth, The effect of industrialization on intergenerational solidarity, Rural Sociol., 6/66; Path consistency in directed graphs and social structure, Am. J. Sociol., 11/67. Address: Forest St., Norwell, Mass. 02061.

SWEETSER, PROF. FRANK L(OEL), JR., b. Montclair, N.J., Feb. 5, 13; m. 34, 60; c. 2. SOCIOLOGY. A.B., Dartmouth Col., 34; A.M., Columbia, 35, Ph.D., 41. Instr. sociol., Indiana, 37-41; psychologist, Off. Strategic Serv., 41-42; asst. dir. community anal. sect., War Relocation Auth., 43; asst. to dir. N.H. & Vt. Blue Cross & Blue Shield, 46-48; from asst. prof. to PROF. SOCIOL., BOSTON, 48- Fulbright sr. lectr., Helsinki Univ., 62-63. Govt, indust. & hosp. consult., 50- U.S.N., 43-45, Lt. Fel. Sociol. Asn; Statist. Asn; Rural Sociol. Soc; Pop. Asn. Neighborhood and community social structure; social stratification; population and ecology of metropolitan communities; sociology of town and country planning; comparative cross-national and cross-cultural sociology and social ecology. Publ: Co-auth, Community organization for citizen participation; auth, The social ecology of metropolitan Boston, 1960, Mass. Dept. Ment. Health, 62; Factorial ecology: Helsinki, 1960, Demography, 2: 372-386, 65. Address: Dept. of Sociology, Boston University, 232 Bay State Rd., Boston, Mass. 02215.

SWEETZY, PROF. ALAN R, b. New York, N.Y., June 29, 07. ECONOMICS. A.B., Harvard, 29, Ph.D., 34. Instr. & tutor, Harvard, 34-38; mem. div. res. & statist., Fed. Reserve Bd., 38-40; assoc. prof., Williams Col., 40-46, prof., 46-49; vis. prof. ECON. CALIF. INST. TECH., 49, PROF., 49- Money and income; population. Address: Dept. of Economics, California Institute of Technology, Pasadena, Calif. 91109.

SWEETZY, DR. PAUL M(ARLOR), b. New York, N.Y., Apr. 10, 10; m. 36, 45, 61; c. 3. ECONOMICS, POLITICAL ECONOMY. A.B., Harvard, 31, fel. 32-33, Ph.D., 37. Instr. econ., Harvard, 34-39, asst. prof., 40-46; CO-ED., MONTHLY REV., 49- Vis. prof., Cornell, 59-60; Stanford, 61; New Sch. Soc. Res., 64. Off. Strategic Serv., 2nd Lt. Bronze Star Medal, 45. Econ. Asn. Economic theory and history; comparative economic systems. Publ: The present as history; co-auth, Cuba: anatomy of a revolution & Monopoly capital: an essay on the American economic and social order. Address: 2 Lindsley Dr., Larchmont, N.Y. 10538.

SWEENEY, PROF. ARTHUR BARCLAY, b. Champaign, Ill., Apr. 30, 23; m. 43, 61; c. 3. PSYCHOLOGY. B.S., Illinois, 47, M.S.W., 49; Ph.D., Houston, 58. Prog. dir. soc. work, Ripley House, Tex., 49-51; dir., Rusk Settlement, 51-54; soc. worker, Houston Independent Sch. Dist., 54-56; lectr., Houston, 56-58; res. assoc. PSYCHOL., Illinois, 58-60, asst. res. prof., 60-62; assoc. prof., TEX. TECH. COL., 62-66, PROF., 66- Invited lectr., psychomet. inst., Polish Acad. Sci., Warsaw, 61. Consult., Big Spring State Hosp., 63-; assessment officer, Peace Corps, 65- U.S.A., 43-46. Psychol. Asn; Soc. Multivariate & Exp. Psychol; Psychomet. Soc. Social climate; sociometry; child

behavior; personality motivation; conflict measurement. Publ: Defense mechanisms index, Psychol. Res. Bur. 66; Subject reliability vs test reliability; Individual assessment manual for MAT, I.P.A.T. 67. Address: Dept. of Psychology, Texas Technological College, Lubbock, Tex. 79406.

SWENSEN, PROF. CLIFFORD HENRIK, JR, b. Welch, W.Va, Nov. 25, 26; m. 48; c. 5. PSYCHOLOGY. B.S. Pittsburgh, 49, M.S. 50, Ph.D. (psychol), 52. From Asst. to instr., Pittsburgh, 49-52; clin. psychologist, Vet. Admin. Ment. Health Clin, Knoxville, Tenn. & Hosp. Marion, Ind. 52-54; asst. prof. PSYCHOL, Tennessee, 54-57, assoc. prof. 57-62; from assoc. prof. to PROF, PURDUE, 62- Res. assoc. West. Psychiat. Inst. 51; tech. asst. Am. Inst. Res. 50-51; Tenn. Alcoholism Cmn. res. grants 56-61; lectr. Tenn. State Dept. Ment. Health, 62; Ill. State Psychiat. Inst. 67. Consult. Tenn. Alcoholism Cmn. 57-62; Vet. Admin. 57-; Tenn. Dept. Ed. 58-62. U.S.N. 44-46. Fel. Psychol. Asn. Psychotherapy; personality measurement; interpersonal relationships. Publ: Case conceptualization for psychological counseling. Houghton, 68; Empirical evaluations of human figure drawings, Psychol. Bull. 57; Psychotherapy as a special case of dyadic interaction, Psychother: Theory Res. & Practice, 67. Address: Dept. of Psychology, Purdue University, Lafayette, Ind. 47907.

SWENSON, DR. EDWIN WAYNE, b. Waseca, Minn, Oct. 26, 34; m. 57; c. 2. PSYCHOLOGY. B.A. St. Olaf Col. 55; B.D. Luther Theol. Sem. 59; M.A. Utah, 64, Ph.D. (clin. psychol), 65. ASSOC. PROF. PSYCHOL, CALIF. LUTHERAN COL. 65-, DIR. COUNSELING & TESTING 67- Clin. psychologist, San Fernando Valley State Col. 65-, acting dir. counseling & testing, summer 67; staff psychologist, Camarillo State Hosp. 67- Psychol. Asn; Soc. Sci. Study Relig. Clinical psychology; religion. Address: Dept. of Psychology, California Lutheran College, Box 2498, Thousand Oaks, Calif. 91360.

SWENSON, DR. HAROLD A (LFRED), Psychol, see 10th ed, Soc. & Behav. Vols.

SWENSON, DR. WENDELL MONSON, Clin. Psychol, see 11th ed, Phys. & Biol. Vols.

SWERLING, PROF. BORIS C (YRIL), Econ, see 10th ed, Soc. & Behav. Vols, deceased 67.

SWETS, DR. JOHN A (RTHUR), Psychol, see 11th ed, Phys. & Biol. Vols.

SWIERENGA, DR. ROBERT PETER, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SWIFT, DR. ARTHUR L (ESSNER), JR, b. East Orange, N.J., Nov. 26, 91. SOCIOLOGY. A.B. Williams Col. 13; B.D. Union Theol. Sem. (N.Y.) 16; A.M. Columbia, 25, Ph.D. 41; L.H.D. New Sch. Soc. Res. 60. Dir. field work, Union Theol. Sem. (N.Y.) 18-56, assoc. prof. church & community, 26-47, prof. 47-56; v.pres. New Sch. Soc. Res. 56-60, dean, sch. polit. 56-60, vis. prof. 48-56, 60-61; RETIRED. Vis. lectr. Temple, 31-35, dir. dept. soc. group work, 35-37; vis. lectr. Washington (Seattle), 41; dir. Prog. of Training for Postwar Rehab. Abroad, Calif. 43-44; vis. lectr. California, 44. Fel. Nat. Cmn. Relig. in Higher Ed. Ed. Relig. Today. Fel. Sociol. Asn. Publ: New frontiers of religion; Make your agency more effective. Address: 16 E. Palm Ave, Redlands, Calif. 92373.

SWIFT, PROF. RICHARD N (EWTON), b. Newark, N.J., Mar. 5, 24. INTERNATIONAL RELATIONS. A.B. Harvard, 43, A.M. 48, Ph.D. 49. Instr. govt. N.Y. UNIV, 49-52, asst. prof. 52-55, dir. grad. prog. studies int. policies, 54-56, assoc. prof. govt. 55-62, acting chmn. dept. 60-61, coordinator. col. prog. lib. studies, 60-63, PROF. INT. POLIT, 62-, HEAD DEPT, 63- Vis. lectr. Harvard, 51-52; Yale, 58-59, 62-63; coordinator, Prog. Coord. Liberal Studies, 60-63. Mem. Cmn. Study Orgn. Peace, 63-, mem. exec. cmt. 64- U.S.A., 43-46, 1st Lt. Polit. Sci. Asn; Soc. Int. Law; Int. Law Asn. International organization, relations and law; United States foreign policy. Publ: World affairs and the college curriculum, Am. Coun. Ed. 59; auth. & ed. Annual review of United Nations affairs, Oceana, 60-; International law: current and classic, Wiley, 68. Address: Dept. of Politics, New York University, New York, N.Y. 10003.

SWIFT, ROBERT LEE, b. Gary, Ind, Sept. 22, 26; m. 54; c. 3. CLINICAL PSYCHOLOGY, COUNSELING. A.B. Indiana, 50; M.A. Louisville, 53; North Dakota, 60-61. Staff psychologist, West. State Hosp, Hopkinsville, Ky, 53-54; Ky. State Hosp, Danville, 54-57; State Hosp, Jamestown, N.Dak, 57-61; assoc. prof. psychol, chmn. dept. & dir. testing, Jamestown Col. 61-63; psychologist, Ment. Health Center, Davenport, Iowa, 63-64; Ment. Health Inst. Mt. Pleasant, 64-67; HEAD PSYCHOL. DEPT, KY. STATE HOSP, 67- U.S.N.R. 44-46, 51-52. Psychol. Asn. Diagnostic testing; individual and group psychotherapy; teaching and counseling of college students; personal development of children. Address: Psychology Dept, Kentucky State Hospital, Danville, Ky. 40422.

SWINEFORD, DR. FRANCES, b. Salt Lake City, Utah, May 13, 09. STATISTICS. S.B. Chicago, 30, A.M. 35, Ph.D. (ed), 46. From res. asst. to res. assoc. ed, Chicago, 31-48; HEAD TEST ANAL. SECT, TEST PROG. RES. & STATIST. DIV, ED. TESTING SERV, 49- Consult. Ont. Inst. Studies Ed, Can. 66. Psychomet. Soc; Coun. Measurement in Ed. Tests and measurements; factor analysis. Publ: The measurement of writing ability, Col. Entrance Exam. Bd. N.Y., 66; Factor analysis by Karl J. Holzinger, Sch. Rev, spring 67; co-auth. Effects of directions regarding guessing on item statistics of a multiple-choice vocabulary test, J. Ed. Psychol. Address: 88 Rollingtonmead, Princeton, N.J. 08540.

SWINEHART, DR. JAMES W (ASON), b. Kansas City, Mo, June 23, 31; m. 62; c. 1. SOCIAL PSYCHOLOGY. A.B. William Jewell Col. 53; M.A. Washington (St. Louis), 57; Ph.D. (soc. psychol), Michigan, 65. Asst. study dir. surv. res. center, MICHIGAN, 57-63, LECTR. & RES. ASSOC. COMMUN. & INFLUENCE, SCH. PUB. HEALTH, 64- Consult. adv. cmt. tobacco habitation, Am. Cancer Soc, 67- Intel.C, U.S.A., 53-55. AAAS; Asn. Pub. Opinion Res; Pub. Health Asn; Psychol. Asn; Sociol. Asn; Soc. Psychol. Study Social

Issues. Public opinion and mass communication; attitude and behavior change. Publ: Co-auth. News about science: channels, audiences, and effects, Pub. Opinion Quart, 60; auth. Socio-economic level, status aspirations, and attitude toward maternal role, Am. Sociol. Rev, 63; Voluntary exposure to health communications, Am. J. Pub. Health, 68. Address: University of Michigan, 122 S. First St, Ann Arbor, Mich. 48106.

SWINGLE, DR. PAUL G (EORGE), b. New York, N.Y., May 14, 37; m. 59; c. 2. SOCIAL PSYCHOLOGY. B.A. Hofstra, 60, M.A. 62; Ph.D. (soc. psychol), Massachusetts, 64. Asst. prof. PSYCHOL, Dalhousie, 64-66; ASSOC. PROF, DEPT. PSYCHOL. & GRAD. SCH. BUS, MCGILL, 66- AAAS; Psychol. Asn; Psychonomic Soc. Interpersonal bargaining; game theory; attitude formation, maintenance and change; human learning and performance; social structure. Publ: Experiments in social psychology, Academic, 68; The effects of the emotional relationship between protagonists in a 2-person game, J. Personality & Soc. Psychol, 66; The effects of the win-loss difference on cooperative responding in a dangerous game, J. Conflict Resolution, 67. Address: Purvis Hall, McGill University, Montreal, Que, Can.

SWINTH, DR. ROBERT L (EE), b. Chehalis, Wash, Jan. 23, 36; m. 62; c. 2. ORGANIZATIONAL PSYCHOLOGY. B.S. Stanford, 58, M.B.A. 60, Ph.D. (bus), 64. Res. assoc. indust. admin, Carnegie Inst. Tech, 63-64, asst. prof. 64-67; ASSOC. PROF. BUS. ADMIN, KANSAS, 67- Psychol. Asn; Sociol. Asn; Inst. Mgt. Sci; Soc. Gen. Sys. Res. Small group organizational decision making and problem solving; systems design and analysis; bargaining and trust behavior. Publ: Organizational planning: goal setting, Indust. Mgt. Rev, 66; Effect of training goals on task performance, Occup. Psychol, 66; The establishment of the trust relationship, J. Conflict Resolution, 67. Address: School of Business, University of Kansas, Lawrence, Kans. 66044.

SWINYARD, DR. ALFRED W (ILBUR), b. Logan, Utah, June 13, 15; m. 41; c. 2. MARKETING, ECONOMICS. B.S. Utah State, 37; M.B.A. Harvard, 39; Ph.D. (econ), Syracuse, 55. From instr. to asst. prof. bus. admin, Utah State, 39-46; assoc. prof. mkt. col. bus. admin, Syracuse, 46-56, prof. 56-57, chmn. dept. mkt. & dir. bus. res. center, 52-57; dir. mgt. res. dept. Booz, Allen & Hamilton, 57-62; PROF. BUS. ADMIN. & DIR. BUR. BUS. RES, MICHIGAN, 62- Vis. prof. Netherlands Sch. Econ, 67; res. dir. inst. int. commerce, Univ. Michigan, 66-; dir. Assoc. Univ. Bur. Bus. & Econ. Res, 66- Consult. mkt. res. dept. Esso Standard Oil Co, N.Y., 51-52; mkt. mgt. Barlow Advert. Agency, N.Y., 56-57. Mem. Great Lakes States Indust. Develop. Coun. U.S.A., 41-45, Lt. Col. Mkt. Asn; Econ. Asn. Management sciences and administrative techniques; organization planning; new product development; management of research and development; long-range corporate planning; area development. Publ: Research and development in non-profit applied research organizations; co-auth. Preparation for business leadership, 64 & State economic development programs: status and appraisal, 67, Bur. Bus. Res, Univ. Michigan. Address: Graduate School of Business Administration, University of Michigan, Ann Arbor, Mich. 48104.

SWISHER, PROF. CARL B (RENT), Polit. Sci, see 10th ed, Soc. & Behav. Vols, deceased 68.

SWITZER, DR. PAUL, Math. Stat, see 11th ed, Phys. & Biol. Vols.

SWITZER, PROF. S (T. CLAIR) A (DNA), b. Milford, Mich, July 9, 02; m. 28; c. 1. PSYCHOLOGY. A.B. Miami (Ohio), 28; M.A. Wisconsin, 29; Ph.D. (psychol), Yale, 34. Asst. prof. MIAMI (OHIO), 34-39, assoc. prof. 39-42, PROF. PSYCHOL, 46-, CHMN. DEPT, 61- U.S.N. 19-21; U.S.A.A.F. 42-45. Fel. Psychol. Asn. Learning; counseling. Publ: Waking suggestion; Conditioned reactions; Psychological testing. Address: 5385 Coulter Lane, Oxford, Ohio 45056.

SWOPE, DR. DANIEL A (UGUSTUS), b. Frystown, Pa, Aug. 4, 20; m. 46; c. 1. AGRICULTURAL ECONOMICS. B.S. Pa. State, 42, Ph.D. 58; M.S. Cornell, 43. Instr. agr. econ. Pa. State, 55-58; asst. prof. Maryland, 58-62, assoc. prof. 62-64; dir. div. statist. & econ. Nat. Canners Asn, D.C. 64-68; CHIEF FOOD CONSUMPTION BR, AGR. RES. SERV, U.S. DEPT. AGR, 68- Lectr. bus. admin, Maryland, 65- U.S.A., 43-46, Res. 46-65, Maj. Mkt. Asn; Econ. Asn; Agr. Econ. Asn. Household food consumption and dietary levels of individuals in the United States. Publ: Co-auth. Canners statistical handbook, Nat. Canners Asn, 66; auth. Factors related to demand for milk as a beverage; Quality differentiation practices of vegetable processors. Address: Consumer & Food Economics Research Division, Agricultural Research Service, U.S. Dept. of Agriculture, Federal Center Bldg, Hyattsville, Md. 20782.

SWORAKOWSKI, PROF. W (ITOLD) S, b. Suceava, Rumania, Jan. 16, 03; nat; m. 34; c. 1. INTERNATIONAL RELATIONS. M.Sc. Acad. Polit. Sci, Warsaw, 34; Hoover Inst. fel. Stanford, 47. Mem. Res. Inst. Nationality Probs, Warsaw, Poland, 31-33; World League of Poles Abroad, 34-36; secy. legation & v.consul, Polish For. Serv, Riga, Prague, Kovno, Curitiba, New York & Chicago, 36-45; res. assoc. & curator, HOOVER INST, STANFORD, 47-52, asst. prof. 52-55, assoc. prof. 55-65, PROF, 65-, ASSOC. DIR. IN CHARGE LIBRARY OPERS, 67-, asst. dir. 55-67. Hist. Asn; Asn. Adv. Slavic Studies. Diplomatic history; World War I and after; international Communism; Eastern Europe after 1945. Publ: Poles in Olsza-Silesia; Hoover library collection on Russia; The Communist International and its front organizations, Hoover Inst. 65. Address: Hoover Institution, Stanford University, Stanford, Calif. 94305.

SWYGARD, PROF. KLINE R (UTHVEN), b. Colfax, Wash, Jan. 5, 10. POLITICAL SCIENCE. A.B. Washington (Seattle), 35, Ph.D. 50. Asst. prof. POLIT. SCI, Wyoming, 46-47; assoc. prof. OREGON STATE, 47-50, PROF, 50-, chmn. Inst. Far East, 50-54. Fulbright lectr. Chulalongkorn Univ, Bangkok, 55-56; Indiana Univ. contract prog. Thammasat Univ, 56-57. Dir. Ore. Cmn. UNESCO, 47-56. Polit. Sci. Asn; Soc. Int. Law; Asn. Asian Studies; Asia Soc. Problem of human rights; regionalism; postwar fisheries of the North Pacific. Address: Dept. of Political Science, Oregon State University, Corvallis, Ore. 97331.

SYDIAHA, DR. D(ANIEL), b. Buttruss, Sask, Dec. 29, 27; m. 53; c. 2. PSYCHOLOGY. B.E. Saskatchewan, 49; M.Sc. McGill, 56, Ph.D. 58. Asst. PSYCHOL. McGill, 55-56; instr. SASKATCHEWAN, 58-59, spec. lectr. 59-60, asst. prof. 60-64, ASSOC. PROF. 64- Soc. Psychol. Study Social Issues. Sensitivity training; social change; humanistic psychology; psychodynamics. Publ: Co-auth. Choice in human affairs, Col. & Univ, 66; auth. Criterion reliability, 64 & A survey of psychologists in Canada, 66, Canadian Psychologist. Address: Dept. of Psychology, University of Saskatchewan, Saskatoon, Sask, Can.

SYDOW, DR. DONALD W(AYNE), b. Fairmont, Minn, Sept. 17, 20; m. 42; c. 3. CLINICAL PSYCHOLOGY. B.S. Hamline, 42; Ph.D.(clin. psychol), Minnesota, 53. Clin. psychologist, Hosp. VET. ADMIN. Ft. Meade, S.Dak. 52-54, CHIEF CLIN. PSYCHOLOGIST, Center, Sioux Falls, 54-59, MENT. HYG. CLIN. OMAHA, 59- Private practice, 59- U.S.N.R. 42-45, Lt.(jg). Psychol. Asn. Group and individual psychotherapy; organic brain damage. Address: 1114 S. 93rd St, Omaha, Nebr. 68124.

SYKES, PROF. GRESHAM M('CREADY), b. Plainfield, N.J., May 26, 22; m. 46. SOCIOLOGY. B.A. Princeton, 50, Woodrow Wilson fel. 50-51; Ph.D. Northwestern, 54. Instr. sociol. Princeton, 52-54, asst. prof. 54-59; assoc. prof. Northwestern, 59-60; prof. sociol. & chmn. dept. sociol. & anthrop. Dartmouth, 60-63; exec. officer, Am. Sociol. Asn; Wash. D.C. 63-65; PROF. LAW & SOCIOL. COL. LAW, DENVER, 65- Mem. Presidents' Adv. Cmt. Ed. 63-65; behav. sci. study sect. Nat. Inst. Ment. Health, 63-67. C.Eng. 42-46, Capt. Sociol. Asn. Criminology; sociology of law. Publ: Crime and society, Random, 57, revised ed. 67; Society of captives, Princeton Univ. Press, 58; Structure of authority, Pub. Opinion Quart. Address: College of Law, University of Denver, Denver, Colo. 80210.

SYKES, DR. RICHARD E, b. Ogdensburg, N.Y., Oct. 23, 32; m. 57; c. 2. SOCIOLOGY. B.A. St. Lawrence, 53, B.D. 56; Manchester Col. Oxford, Eng. 53-54; Ph.D.(Am. studies), Minnesota, 66. Minister, Unitarian Church, 56-64; instr. soc. sci. MINNESOTA, MINNEAPOLIS, 64-66, ASST. PROF. SOC. SCI. & SOCIOL. 66- Consult. Minn. Off. Econ. Opportunity, 65-66; Neighborhood Youth Corps, U.S. Dept. Labor, 66-67, Off. Manpower Res. 67-68. Sociol. Asn; Am. Studies Asn; Orgn. Am. Historians; Soc. Sci. Study Relig. Social interaction; sociology of religion; historical sociology. Publ: American studies and the concept of culture, Am. Quart, 63; A review of sociological understanding of social change in 19th century America and England, Sociol. Quart, 63. Address: 252 Social Science Bldg, University of Minnesota, Minneapolis, Minn. 55455.

SYLVESTER, GRANVILLE, b. Hopkinsville, Ky, July 8, 12; m. 43; c. 3. STATISTICS. B.S. American Univ. 52. Analytical statistician, U.S. Pub. Health Serv, 52-57; STATISTICIAN, U.S. AIR FORCE, 57- Statist. Asn; Pub. Health Asn. Address: 11109 Woodson Ave, Kensington, Md. 20795.

SYLVESTER, DR. MILDRED LORING, b. Tacoma, Wash, May 4, 91; m. 22; c. 1. PSYCHOLOGY. A.B. Washington (Seattle), 12, M.A. 13; Bryn Mawr Col, 13-14; Ph.D.(psychol), Hopkins, 16. Berliner fel. Hopkins, 16-17; instr. psychol. Washington (Seattle), 17-19; asst. ophthalm. med. res. lab. air serv. U.S. Army, Mitchel Field, N.Y. 20; prof. lectr. psychol. Minnesota, 20-21, asst. prof. 21-22; exec. officer, psychol. clin. Pennsylvania, 31-58, assoc. psychol. 43-48, asst. prof. 48-58, instr. univ. hosp. 42-51; assoc. dir. Brewster Hall Tutorial Sch, Fla. 58-59; sch. psychologist, pub. schs. Salem, N.J. 59-65; RETIRED. Psychologist, Bancroft Sch. Haddonfield, 59-60; Salem County Guid. Center, 60-63. Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn. Vision; diagnosis and treatment of psychological and educational problems of children and young adults. Publ: A clinical demonstration of superior children, Psychol. Clin; co-auth. Method of measuring retinal sensitivity, J. Exp. Psychol; auth. Methods of studying word reaction times, Psychobiology. Address: R.D. 2, King's Highway, Woodstown, N.J. 08098.

SYLVESTER, COL. R(OBERT) W(ATSON), U.S.A.(RET), b. Philadelphia, Pa, Oct. 28, 08; m. 46; c. 2. COUNSELING, PSYCHOLOGY. A.B. George Washington, 51, M.A. 52, Ph.D. 58. Personnel mgr. E.I. du Pont de Nemours & Co, 30-42; career officer, U.S. Army, 42-63; V.PRES. PERFORMANCE RES. INC, 65-; PRES. LEARNING, INC, 65- Instr. George Washington, 56-62; prof. Virginia, 64-67. Psychotherapist, 64- Fel. AAAS; Psychol. Asn; Personnel & Guid. Asn. Mental health; adult education; education of the disadvantaged; measures of personality, intelligence and aptitude. Address: 5333 Collins Ave, Apt. 8B, Miami Beach, Fla. 33140.

SYME, PROF. SHERMAN LEONARD, b. Dauphin, Man, July 4, 32; nat. m. 54; c. 2. SOCIOLOGY. B.A. California, Los Angeles, 53, M.A. 55; Ph.D.(sociol), Yale, 57. Asst. Yale, 56-57; res. sociologist, heart disease, U.S. Pub. Health Serv, 57-59, exec. secy. human ecol. study sect. 60-62, chief med. sociol. heart disease control prog. 62-67; PROF. EPIDEMIOLOG. SCH. PUB. HEALTH, CALIFORNIA, BERKELEY, 68- Fel. Sociol. Asn; fel. Pub. Health Asn; fel. Heart Asn. Social factors in epidemiology of chronic disease. Publ: Co-auth. Cultural mobility and coronary heart disease, J. Health & Soc. Behav, 66, Social stress and cardiovascular disease, Milbank Mem. Fund, 67 & Cultural mobility and coronary heart disease in an urban area, J. Epidemiol, 67. Address: School of Public Health, University of California, Berkeley, Calif. 94720.

SYMMONS, PROF. KONSTANTIN, b. St. Petersburg, Russia, Aug. 5, 09; nat. m. 30, 51; c. 2. SOCIOLOGY. M.A. Warsaw, 31; Ph.D.(sociol), Columbia, 55. Civil serv. employee, Repub. Poland, 35-40; asst. prof. Polish lang. & culture, Alliance Col, 40-42; civil serv. employee, Polish Govt. Exile, 43-45; asst. prof. SOCIOL. & ANTHROP. jr. col. Bucknell, 45-47; Wilkes Col, 47-56, prof. 56-62, chmn. dept. 47-62; PROF. MACMURRAY COL, 62-4, CHMN. DEPT. & DIR. RUSSIAN & EAST EUROPEAN AREA PROG., Sociol. Asn; Hist. Asn; Anthropol. Asn. Sociological theory; ethnic relations; political sociology. Publ: Bronislaw Malinowski, Polish Rev; Nationalist movements, Comp. Studies Soc. & Hist, 65; Modern nationalism: towards a consensus in theory, Polish Int. Arts & Sci. in Am, 68. Address: 160 E. Pennsylvania Ave, Jacksonville, Ill. 62650.

SYMMONS, GIFFORD H(ARVEY), b. Baltimore, Md, July 21, 04; m. 28; c. 4. OPERATIONS ANALYSIS, BUSINESS MANAGEMENT. M.A. Columbia, 60. Chem. engr. Mead Pulp & Paper Co, 27-28; chem. engr. supvr. & mgr. tech. serv. div. Esso Standard Oil Co, 29-47, exec. mfg. dept. 48-60; assoc. prof. mgt. Case, 60-63, prof. orgn. sci. 63-65; vis. prof. ops. res. Hopkins, 66; indust. eng. & ops. res. CALIFORNIA, BERKELEY, 66-67, VIS. SCHOLAR & LECTR. CENTER RES. MGT. SCI. 67-, vis. scholar, summer 62. Fulbright lectr. Finland, 63-64; U.S. Dept. State guest lectr. for. asns, insts, univs. & acads, 63-64; vis. prof. Helsinki Sch. Econ. & Swedish Sch. Econ, 64; spec. lectr. Nat. Bur. Standards, 65. Mem. aviation gasoline adv. cmm. Petrol. Admin. for War, 42-45. Medal, Univ. Helsinki, 64. Fel. AAAS; Inst. Mgt. Sci.(pres, 56); Ops. Res. Soc. Am; Statist. Asn; Inst. Math. Statist; Economet. Soc. Operations research; management; management gaming; mathematical programming of inventory, scheduling and sequencing operations; capital investment programming; competitive-cooperative systems; theory of organization. Publ: Linear programming: the solution of refinery problems, Esso Standard Oil Co, N.Y. 55; Stochastic scheduling by the horizon method, 1/62 & A study of management behavior by use of competitive business games, 9/64, Mgt. Sci. Address: Center for Research in Management Science, University of California, Berkeley, Calif. 94720.

SYMONS, PROF. J(OSEPH) N(ATHANIEL), b. Lava Hot Springs, Idaho, June 5, 05; m. 34; c. 5. SOCIOLOGY. B.S. Utah State Agr. Col, 27, M.S. 32; scholar, Chicago, 33, Ph.D.(sociol), 44. Instr. sociol. Utah State Agr. Col, 36-40, asst. prof. 40-45, assoc. prof. 45-50, prof. 50-53, dean men & asst. dean students, 50-51, dean students, 51-53; PROF. SOCIOL. BRIGHAM YOUNG, 53-, COORDINATOR UNDERGRAD. MAJOR IN SOC. WORK, 67-, chmn. dept. sociol, 61-66, acting dean col. soc. sci. 66-67. V.chmn. State Bd. Pardons, 58- Sociol. Asn; Nat. Coun. Crime & Delinquency. Marriage and family; criminology. Publ: Delinquency and crime causation; Utah residence types and criminal behavior. Address: Dept. of Sociology-1222CFLC, Brigham Young University, Provo, Utah 84601.

SYPEK, S(TANISLAUS) T(HOMAS), b. New Bedford, Mass, May 6, 15. SOCIOLOGY. M.S.W. Boston Col, 46, A.M. 48; Ph.D. Fordham, 55. From mem. faculty to PROF. SOCIOL. EMMANUEL COL.(MASS), 46-, chmn. dept. 48-65. Lectr. Boston Col, 52- Sociol. Asn. Child welfare; community relations; family. Publ: Displaced persons in greater Boston community; Leisure time guidance; Socio-legal aspects of adoption in Massachusetts. Address: Dept. of Sociology, Emmanuel College, The Fenway, Boston, Mass. 02115.

SYRON, PROF. LESLIE WOODZELLE, b. Va, Feb. 8, 21. SOCIOLOGY. A.B. Mary Baldwin Col, 42; A.M. North Carolina, 44, Ph.D.(sociol), 51. Instr. SOCIOL. Woman's Col, North Carolina, 44-45; from instr. to PROF. & CHMN. DEPT. MEREDITH COL, 45- Sociol. Asn. Address: Dept. of Sociology, Meredith College, Raleigh, N.C. 27602.

SYZ, DR. HANS, b. Zurich, Switz, Aug. 1, 94; nat. m. 39; c. 2. PSYCHIATRY. Dipl. Zurich, 19; M.D. Geneva, 21. Asst. univ. hosp. Zurich, 20-21; house officer, Phipps Psychiat. Clinic, Hopkins Hosp, 22-23, instr. psychiat. Hopkins, 23-27; RES. ASSOC. LIFWYNN FOUND, 27- Asst. N.Y. State Psychiat. Inst, 30-38; instr. med. col. Cornell, 33-62. Psychiatrist, N.Y. Hosp. 29-62. Hon. fel. Smithsonian Inst. AAAS; fel. Am. Med. Asn; fel. Psychiat. Asn; fel. Psychol. Asn; Psychopath. Asn.(v.pres, 37); fel. N.Y. Acad. Sci. Experimental pharmacology; physiological psychology; psychopathology; psychopathology. Address: Lifwynn Foundation, 52 S. Morningside Dr, Westport, Conn. 06880.

SZABO, PROF. DENIS, b. Budapest, Hungary, June 4, 29; nat. Can; m. 56; c. 2. CRIMINOLOGY, SOCIOLOGY. Lic. Louvain, Belgium, 52, D.Soc.Sc. 56; Dipl. Paris, 60. Instr. sociol. Louvain, France, 52-56; in charge course. Cath. Inst. Paris, 56-58; asst. prof. SOCIOL. & CRIMINOL. MONTREAL, 58-59, assoc. prof. 59-67, PROF. 67- Ed. Acta-Criminologica, 67- Sociol. Asn; Can. Corrections Asn; Int. Soc. Crim. Cult. conflict and delinquency in urban areas. Publ: Incest in milieu urbain; Delinquance sexuelle des adolescents; Criminologie. Address: Dept. of Criminology, University of Montreal, Box 6128, Montreal, Que. Can.

SZAFRAN, DR. JACEK, Neuropsychol, see 11th ed. Phys. & Biol. Vols.

SZALAY, DR. LORAND BERTALAN, b. Budapest, Hungary, June 28, 21; U.S. citizen; m. 61; c. 3. PSYCHOLOGY, COMMUNICATION. Dipl. Ludovica Mil. Acad. Budapest, 42; for. lang. dipl. Acad. For. Trade & Lang. Budapest, 50; Ph.D.(psychol), Vienna, 61; Illinois, Urbana, 61-62. Res. asst. psychol. Illinois, Urbana, 61-62; SR. RES. SCIENTIST, spec. ops. res. off. AMERICAN UNIV, 62-66, CENTER RES. SOC. SYSTS, 66- Hungarian Army, Capt. Psychol. Asn; Acad. Polit. & Soc. Sci; Sociol. Asn. Social psychology; psycholinguistics; empirical semantics; intercultural communications; communication research; cross-cultural methodology; area studies, especially Eastern Europe. Publ: The semantic structure of verbs, Zeitschrift für experimentelle und Angewandte Psychologie, 62; Soviet domestic propaganda and liberalization, Orbis, 67; co-auth. The analysis of cultural meanings through free verbal associations, J. Soc. Psychol, 67. Address: Center for Research in Social Systems, American University, 5010 Wisconsin Ave. N.W., Washington, D.C. 20016.

SZASZ, PAUL C(HARLES), b. Vienna, Austria, June 12, 29; U.S. citizen. LAW. B.S. Cornell, 52, LL.B. 56; Fulbright scholar, Saarlandes, 57-58. Legal officer, Int. Atomic Energy Agency, 58-65, safeguards officer, 65-66; ATTORNEY, INT. BANK RECONSTRUCT. & DEVELOP, 66- Sig.C. U.S.A. 52-56. Soc. Int. Law; Bar Asn. International organization law, especially the international control of atomic energy. Publ: Legal and administrative problems arising from the implementation of International Atomic Energy Agency safeguards, In: Progress in nuclear energy, Series X: Law and administration, Vol. IV, Pergamon, 66; How to develop world peace through law, Am. Bar Asn. J, 52: 851-857; The law of International Atomic Energy Agency safeguards, Revue Belge de Droit Int, 1: 196-240. Address: 2401 H St. N.W., Washington, D.C. 20037.

SZASZ, DR. THOMAS S(TEPHEN), b. Budapest, Hungary, Apr. 15, 20; nat; m. 51; c. 2. PSYCHIATRY. A.B. Cincinnati, 41, M.D., 44. Mem. psychoanal. staff, Inst. Psychoanal., Ill. 51-56; PROF. PSYCHIAT, COL. MED. STATE UNIV. N.Y. UPSTATE MED. CENTER, 56- Lectr., Elgin State Hosp, Ill. 52-54; vis. prof., Wisconsin, 62; sr. scholar, Eli Lilly Found., 66- Private practice. Consult, Vet. Admin. & Syracuse Psychiat. Hosps, 56-; cmt. ment. hyg., N.Y. State Bar Assn., 62-; res. adv. panel, Inst. Study Drug Addiction, 64- Dipl. Am. Bd. Psychiat. & Neurol., 51. Med.C., 54-56, Comdr. AAAS; Psychosom. Soc.; Am. Psychoanal. Assn.; fel. Psychiat. Assn.; Acad. Polit. & Soc. Sci.; Int. Psychoanal. Assn. Theory of human behavior; psychoanalytic method; psychotherapy; epistemology of psychiatric and psychoanalytic theory; ethics of psychiatry; theory of personal conduct. Publ: The myth of mental illness, Harper, 61; Law, liberty, and psychiatry, Macmillan, 63; The ethics of psychoanalysis, Basic Books, 65. Address: Dept. of Psychiatry, State University of New York Upstate Medical Center, 750 E. Adams St., Syracuse, N.Y. 13210.

SZATROWSKI, DR. ZENON, b. Chicopee, Mass., Aug. 21, 14; m. 47; c. 3. STATISTICS, ECONOMICS. B.S. Indiana, 36, M.A. 37; Ph.D. Northwestern, 42. Instr. statist. & econ. Northwestern, 42-48; asst. prof., Oregon, 48-49; chmn. statist. dept., Buffalo, 49-55; staff consult. sci. comput. center, INT. BUS. MACH. CORP., 55-60, planning & forecasting consult., 60-67, MGR. CURRICULUM REQUIREMENTS, INSTR. SYSTS. DEVELOP. DEPT., 67- Consult. statistician, Chronic Diseases Inst., 53-55. Statist. Assn.; Econ. Assn.; Economet. Soc.; Inst. Math. Statist.; Inst. Mgt. Sci. Application of electronic computers to statistical problems; analysis of economic time series; application of statistical analysis to problems of business and industry; planning application of computers and innovations in education; design of experiments; total systems approach. Address: 6 Valley Lane, Armonk, N.Y. 10504.

SZAWLOWSKI, DR. R(ICHARD), b. Wilno, Poland, Nov. 23, 29. POLITICAL SCIENCE, PUBLIC LAW. LL.M., Warsaw, 52, scholar, 52-55, LL.D. (polit. sci.), 59; dipl. supérieur comp. law, Int. Univ. Comp. Sci., Luxembourg, 60. Asst. prof. pub. finance, Lodz, 56-58; Alexander-von-Humboldt Found. sr. res. fel. int. orgn., Saarlandes, 61-64; res. fel. Inst. Soviet & E. European Studies, Glasgow, 64-65; asst. prof. int. orgn., CALGARY, 66-68, ASSOC. PROF. INT. POLIT. ORGN. & LAW, 68- Rcs. fel. Nat. Center Sci. Res., France, 62-65; Can. Coun. res. grant, 67-68. Comparative constitutional, administrative and financial law; Soviet and East European government and politics; international governmental organizations; international relations and law. Publ: Co-auth., Handbuch der Finanzwissenschaft, Mohr Pub., Tübingen, 59 & 65; auth., L'évolution du Comecon 1949-1963, Annuaire français de droit international, 63; Recent financial problems of the United Nations, Pub. Finance, Part I, No. 2, 63 & Part II, No. 3-4, 65. Address: Dept. of Political Science, University of Calgary, Calgary, Alta., Can.

SZAZ, DR. ZOLTAN MICHAEL, b. Budapest, Hungary, Jan. 3, 30; nat; m. 57; c. 4. INTERNATIONAL RELATIONS. B.A. St. John's (Minn.), 51; St. Cloud Diocese fel. Catholic Univ., 51-54, M.A. 52, Ph.D. (polit. sci.), 56. Instr. hist. grad. sch., St. John's (N.Y.), 60-62, asst. prof., 62-64; lectr. POLIT. SCI., SETON HALL, 65-66, ASSOC. PROF., 66- Lectr., insts., univ. & cols., Germany & U.S., 58-61. Summer consult., Univ. Munich, Kiel & Würzburg, 63. Ed. Free World Forum, 58-60, 61-62. Secy. int. affairs, Am. Hungarian Fedn., 65- Polit. Sci. Assn.; Asn. Adv. Slavic Studies; Int. Studies Assn.; Int. Polit. Sci. Assn. Modern European history. Publ: Germany's eastern frontiers: The great power conflict, 1945-1958, Allyn, 69. Address: 572 Irvington Ave., Maplewood, N.J. 07040.

SZE, ALBERT Y., b. Canton, China, Feb. 29, 20; nat; m. 48; c. 3. ECONOMICS, STATISTICS. B.A., Lingnan Univ., China, 41; M.A., Harvard, 47. Asst. prof. econ., Youngstown, 49-56; anal. statistician, rural electrification admin., U.S. Dept. Agr., 56-59; superv. statistician, Civil Aeronaut. Bd., 59-63; PLANNING OFFICER, INTERNAL REVENUE SERV., 63- Statist. Assn. Application of statistical and economic analysis to air transport problems, especially cost and demand analysis; econometric studies of tax administration and allocation models of enforcement resources. Address: 9740 Hedin Dr., Silver Spring, Md. 20903.

SZENDROVITS, PROF. ANDREW ZOLTAN, b. Budapest, Hungary, Mar. 18, 19; m. c. 1. BUSINESS MANAGEMENT, OPERATIONS RESEARCH. M.A., Kolozsvár, 43, Ph.D. (econ.), 45; M.Sc. Ph. Budapest, 46. Mgr. orgn. & systs., Ganz Wagon & Mach. Mfg. Co., Hungary, 48-51; Ikarus Autobus Mfg. Co., 51-52; assoc. prof. mgt. eng. Budapest, 52-56; superv. prod. planning, Can. SKF Co. Ltd., 57-61; master math. & statist., Ryerson Polytech. Inst., 61-62; PROF. BUS. ADMIN. & MECH. ENG., McMASTER, 62- Vis. prof., Univ. Cape Town, 67-68; European Inst. Bus. Admin., France, 68-69. Mgt. consult., companies, Hungary, 52-56, Can., 62- Can. Oper. Res. Soc.; Inst. Indust. Eng. Simulation of the business environment by mathematical models of operations research. Publ: Models and solutions for organization and planning in the machine industry, 55 & co-auth., Organization and management of industrial enterprises, 58, Planning Pub. Co., Hungary; co-auth., The McMaster University business simulation, McMaster Univ., 68. Address: McMaster University, Hamilton, Ont., Can.

SZTANKAY, PROF. ZOLTAN, Int. Polit., see 10th ed, Soc. & Behav. Vols.

SZUHAY, DR. JOSEPH A(LEXANDER), b. Cambridge, Ohio, Feb. 28, 25; m. 46; c. 2. REHABILITATION & COUNSELING PSYCHOLOGY. B.S., Iowa, 63, M.A., 56, Voc. Rehab. Admin. trainee & Ph.D. (rehab. counseling & ed. psychol.), 61. Clin. instr. phys. ther., Iowa, 54-61; voc. dir. adult day care prog., Southeast. Ment. Health Center, S.Dak., 61-64; DIR. REHAB. COUNSELING PROG., GRAD. SCH., SCRANTON, 64- Voc. consult., Bur. Hearings & Appeals, Soc. Security Admin., 62-; ed. & training consult., Off. Blind, Pa., 68- C.W.S., U.S.A., 43-45. Am. Psychol. Assn.; Am. Personnel & Guid. Assn.; Am. Rehab. Counseling Assn.; Nat. Voc. Guid. Assn.; Nat. Rehab. Assn. Ethical considerations in rehabilitation counseling; attitudes toward the physically disabled. Publ: Co-auth., Prevocational rehabilitation in a day care program, Res. Demonstration Monogr., 64; auth., Physical therapy in the treatment of fractures, J. Iowa State Med. Assn., 2/61. Address: Rehabilitation Counseling Program, University of Scranton, Scranton, Pa. 18510.

SZUREK, DR. STANISLAUS A(NDREW), b. Chicago, Ill., July 1, 07; m. 42; c. 2. CHILD PSYCHIATRY, PSYCHOANALYSIS. B.S., Chicago, 27, M.A., 29, M.D., Rush Med. Col., Chicago, 32. Intern., Michael Reese Hosp., Chicago, Ill., 31-33; resident physician, Chestnut Lodge Sanitarium, Rockville, Md., 34; Rockefeller grant, Ill. Neuropsychiat. Inst., 36-39; asst. psychiatrist, col. med., Illinois, 34-36; assoc., 36-39, asst. prof., 39-43; attending physician children's serv., Ill. Neuropsychiat. Inst., 42-43; assoc. attending psychiatrist, Cook County Psychopathic Hosp., Chicago, 43; assoc. prof., PSYCHIAT, SCH. MED., CALIFORNIA, SAN FRANCISCO, 47-55, PROF., 55-; DIR. CHILDREN'S SERV., LANGLEY PORTER NEUROPSYCHIAT. INST., 46- Chief staff, inst. juvenile res., Chicago, 39-43; consult., Vet. Admin. Ment. Hyg. Clin., San Francisco, Calif., 47-51; expert consult., Off. Surgeon Gen., Letterman Gen. Hosp., 49. Councillor, Asn. Psychiat. Clin. Children, 47-49; chmn. cmn. ther. Conf. Inpatient Treatment Children, 55-56; mem. Conf. Training Child Psychiat., D.C., 63. Dipl. Am. Bd. Psychiat. & Neurol., 39. U.S.N.R., 43-46, Lt. Cmdr. AAAS; fel. Psychiat. Assn.; fel. Am. Med. Assn.; fel. Orthopsychiat. Assn. (v. pres., 51, pres., 58); Psychoanal. Assn.; fel. Acad. Child Psychiat. Parent-child problems in special forms of juvenile delinquency; clinical research in psychotherapeutic approach to the treatment of psychotic disorders of childhood with concomitant therapy with parents. Publ: The roots of psychoanalysis and psychotherapy, C.C. Thomas, 58; An attitude towards (child) psychiatry, Quart. J. Child Behav., 1: 22-54; co-auth., A clinical study of childhood schizophrenia, In: The etiology of schizophrenia, Basic Books, 60. Address: Langley Porter Neuropsychiatric Institute, 401 Parnassus Ave., San Francisco, Calif. 94122.

SZWED, DR. JOHN F., b. Eutaw, Ala., Dec. 24, 36; m. 60. CULTURAL ANTHROPOLOGY. B.S., Marietta Col., 58; B.Sc., Ohio State, 59, M.A., 60, Ph.D. (anthrop.), 65. Res. fel. ANTHROP. inst. soc. & econ. res., Memorial Univ., 62-64; instr., Cincinnati, 64-65; ASST. PROF., Lehigh, 65-67, TEMPLE, 67- Anthrop. Assn.; Folklore Soc.; Soc. Ethnomusicol.; Ethnol. Soc. Peasant societies; ethnomusicology, especially new world Negro music; myth. Publ: Private cultures and public imagery: interpersonal relations in a Newfoundland peasant society, Inst. Soc. & Econ. Res., 66; co-auth., Negroes in the New World: problems in theory and method, Atheneum, (in press); auth., Gossip drinking and social control: consensus and communication in a Newfoundland parish, Ethnology, 66. Address: Dept. of Anthropology, Temple University, Philadelphia, Pa. 19122.

SZYLIOWICZ, DR. JOSEPH S., b. Charleroi, Belgium, Dec. 7, 31; U.S. citizen; m. 60; c. 2. POLITICAL SCIENCE. A.B., Denver, 53; M.A., Hopkins, 55; Ph.D. (comp. polit., Mid. East), Columbia, 61. Assoc. staff mem., Columbia Encyclop., 3rd ed., 60-61; lectr. polit. sci., Brooklyn Col., 61-64; sr. fel. & acting dir., Am. Res. Inst. Turkey, 64-65; ASST. PROF. COMP. POLIT. & MID. EAST STUDIES, GRAD. SCH. INT. STUDIES, DENVER, 65- Int. C., U.S.A.R., 51-60. Mid. East Studies Assn.; Oriental Soc.; Int. Studies Assn.; Polit. Sci. Assn. Comparative politics; problems of development, particularly in the Middle East and specifically in Turkey; role of education in the development process in the Middle East. Publ: Co-auth., The contemporary Middle East, tradition and innovation, Random, 65; auth., Political change in rural Turkey: Erdemli, Mouton, 66; The 1965 Turkish Election, Mid. East J., fall 66. Address: Graduate School of International Studies, University of Denver, Denver, Colo. 80210.

SZYRYNSKI, PROF. VICTOR, Neurol. Psychiat., see 11th ed, Phys. & Biol. Vols.

T

TAAFFE, PROF. EDWARD J(AMES), b. Chicago, Ill., Dec. 11, 21; m. 48; c. 8. GEOGRAPHY. B.S. (meteorol.), N.Y. Univ., 44; B.S. (journalism), Illinois, 44; M.S., Chicago, 49, Ph.D. (geog.), 52. Asst. prof. econ. geog., sch. commerce, Loyola (Ill.), 51-58; assoc. prof. GEOG., Northwestern, 58-63; PROF. & CHMN. DEPT., OHIO STATE, 63- Mem. Cmn. Col. Geog., 64-; cmt. geog., earth sci. div., Nat. Acad. Sci., 66-; behav. & soc. sci. surv. cmt., Nat. Acad. Sci.-Soc. Sci. Res. Coun., 67- U.S.A.A.F., 43-46, Lt. Asn. Am. Geog. Regional Sci. Assn.; Am. Geog. Soc. Transportation and urban geography. Publ: Air passenger hinterland of Chicago; The peripheral journey to work: a geographic consideration, Northwestern, 63; Air transportation and U.S. urban distribution, Geog. Rev. Address: 4314 Olentangy Blvd., Columbus, Ohio 43214.

TAAFFE, DR. GORDON, b. Atlanta, Ga., Aug. 22, 16. AUDIOLOGY, STATISTICS. B.S., Tulane, 48; M.A., Southern California, 52; D.Ed., Wayne State, 68. Asst. ment. abilities res., Southern California, 50-53, instr. statist., 52-53; statistician, Northrop Aircraft Corp., 53-54; soc. scientist, Rand Corp., 54-55; res. assoc. lipreading, John Tracy Clin., 55-60; assoc. prof. deaf ed., Los Angeles State Col., 60-61; asst. res. technician ment. retardation, Pac. State Hosp., Pomona, Calif., 61-63; counsr. students, student counseling center, DETROIT, 63-67, RES. ASSOC. STATIST., OFF. INSTNL. RES., 67-; SPEC. LECTR., GRAD. SCH., 64- Asst., Southern California, 59-60; U.S. Off. Ed. res. grant, 67-68. Consult., Sci. Mgt. Corp., 58-59; South Regional Ed. Bd., 60. U.S.A., 41-45, Sgt. Psychol. Assn.; Asn. Instnl. Res.; Ed. Res. Assn.; Human Factors Soc.; Nat. Coun. Measurement in Ed. Lipreading and educational research. Publ: Relation of experimental tests of reasoning and creative thinking to research performance, In: Studies of aptitudes of high-level personnel; co-auth., Effectiveness of instructional film on lipreading, In: Western speech & Ratings should be scrutinized, Ed. & Psychol. Measurement, 62. Address: Office of Institutional Research, University of Detroit, Detroit, Mich. 48235.

TAAFFE, PROF. ROBERT NORMAN, b. Chicago, Ill., Sept. 20, 29. ECONOMIC GEOGRAPHY. A.B. & M.A., Indiana, 52; travel grant, Moscow State Univ., 58-59; Ph.D. (geog.), Chicago, 59. Instr. GEOG., Loyola (Ill.), 55-58; asst. prof., Indiana, 59-63; assoc. prof., WISCONSIN, MADISON, 63-67, PROF., 67-; CHMN. DEPT., 68- Inter-univ. Cmt. Travel Grants travel & res. grant, U.S.S.R., summer, 57; Bulgaria, 64. Mem. Joint Slavic Cmt., Am. Coun. Learned Socs. & Soc. Sci. Res. Coun., 65-68; cmt. on future, Inter-Univ. Cmt. Travel Grants, 67-68. Asn. Am. Geog.; Regional Sci. Assn.; Asn. Adv. Slavic Studies. Economic geography of the Union of Soviet Socialist Republics; transportation geography; economic geography of Eastern Europe.

Publ: Co-auth, An atlas of Soviet affairs, Praeger, 65; auth, Rail transportation and the economic development of Soviet Central Asia, Dept. of Geog, Univ. Chicago, 60. Address: Dept. of Geography, University of Wisconsin, Madison, Wis. 53706.

TABAKA, VICTOR P(HILIP), b. Florence, Wis, May 1, 14; m. 39; c. 4. BUSINESS ADMINISTRATION. B.S., St. John's, 36; M.A., Wisconsin, 37. Instr. psychol. col. & grad. sch, Marquette, 39-41; psychol. consult, Off. Emergency Mgt, Ill, 41-42; dir. labor rels, Muskegon Motor Specialties, Mich, 42-43; training, Campbell, Wyant & Cannon Foundry Co, Ill, 43-44; personnel mgr, Bell Aircraft Corp, Ga, 44-45; OWNER & PRES, VICTOR TABAKA & ASSOCS, INC, 45- Assoc. prof, Emory, 46-47, prof, 48-56; v-pres, Gulf States Paper Corp, 57-59; prof, Ga. Inst. Tech, 59-63; chmn. bd. & pres, Space Controls, Inc, 60-64; Century Develop. Fund, Inc. & Century Life Assurance Co, 61-63. Econ. Asn; Soc. Adv. Mgt; Nat. Asn. Acct; Mgt. Asn. Organization; management; personnel, wage and salary administration; executive development. Publ: Panvisimul tables; Life log. Address: 430 King Rd. N.W., Atlanta, Ga. 30305.

TABB, DR. JOHN R. b. Corwith, Iowa, Sept. 2, 24; m. 47; c. 4. ECONOMICS, BUSINESS ADMINISTRATION. B.S., Iowa State, 50, M.S. 51; Ph.D. (agr. finance), Cornell, 55. Asst. prof. econ, S.Dak. State Col, 51-53; asst. agr. econ, Cornell, 53-55; assoc. prof. econ. & bus. admin, Norfolk Col, Col. William & Mary, 55-57, prof. econ, 57-66, chmn. dept, 57-58, head div. econ. & bus. admin, 58-61, dean sch. bus, 61-66; DIR. PLANNING & DEVELOP, OLD DOM. COL, 66- Econ. adv, Tidewater Develop. Coun, 55-; Southeast. Regional Planning Cmn, 55-; cmnr. State Milk Cmn, 60- Consult, Univ. Liberia, 64; Trust Territory Pac. Islands, 66. U.S.A. 43-47. Econ. Asn; Agr. Econ. Asn. Applications of principles and theories of economics to actual problems in business firms; academic administration; economic development; managerial economics. Publ: Insurance in the farm business, Cornell Univ. Exten. Bull; Business education in Liberia, U.S. Agency Int. Develop.-Cornell, 64; Public finance in Micronesia, Nathan Assocs, 66. Address: Old Dominion College, Norfolk, Va. 23508.

TABER, DR. JULIAN INGERSOLL, b. Detroit, Mich, June 30, 29; m. 56; c. 3. EXPERIMENTAL PSYCHOLOGY. B.S., Pittsburgh, 55, M.S. 57, Ph.D. (psychol), 62. Teaching asst. PSYCHOL, Pittsburgh, 55-57, asst. instr. 57-61, res. assoc, 61-62; asst. prof, CASE WESTERN RESERVE, 62-65, ASSOC. PROF, 65- U.S.A. 50-51. Psychol. Asn. Experimental analysis of learning and behavior modification. Publ: Co-auth, Learning and programmed instruction, Addison-Wesley, 65. Address: Dept. of Psychology, Case Western Reserve University, Cleveland, Ohio 44106.

TABER, DR. MARTHA, Econs, see BARNETT, DR. MARTHA V.

TABERN, G. JEROME, Indust. Eng, see 10th ed, Soc. & Behav. Vols.

TABIN, DR. JOHANNA KROUT, Psychol, see 10th ed, Soc. & Behav. Vols.

TABLER, DR. KENNETH A(MBROSE), Math. Statist, Comput. Sci, see 11th ed, Phys. & Biol. Vols.

TABORSKY, PROF. EDWARD, b. Praha, Czech, Mar. 18, 10; m. 43; c. 3. POLITICAL SCIENCE. Dr. State Scis, Charles Univ, 34. Secy. to Minister For. Affairs, For. Off. Czech, 38; secy. to Pres. Edward Benes, Czech. Govt. in Exile, Eng, 39-45; Envoy Extraordinary & Minister Plenipotentiary of Czech. & Sweden, 45-48; lectr. polit. sci, Stockholm, 48; vis. prof, Ohio State, 49; assoc. prof. GOVT, TEXAS, 50-60, PROF, 60- Lectr, Charles Univ, 47; vis. prof, Tennessee, 56. Polit. Sci. Asn; Czech. Soc. Arts & Sci. in Am. International relations; comparative government; communist strategy in the developing countries. Publ: Czechoslovak democracy at work; Truth prevailed; Communism in Czechoslovakia. Address: 4503 Parkwood Rd, Austin, Tex. 78722.

TABORSKY, DR. IVAN, b. Prague, Czech, July 11, 15; nat; m. 38; c. 3. COMPARATIVE GOVERNMENT, INTERNATIONAL RELATIONS. Ph.D., Czech. Inst. Tech, 46. Secy-gen, Czechoslovak del. to UN, 46-48; admin. officer, Secretariat of UN, 48-49; exec. dir. int. soc. work, Am. Fund Czechoslovak Refugees, Inc, 49-57, v-pres. & European dir. int. soc. work, 57-60; instr. GOVT, TEXAS, ARLINGTON, 60-64, ASST. PROF, 64- Polit. Sci. Asn; Am. Acad. Arts & Sci. American and comparative European government; international relations and organization; geography. Address: 140 Varsity Circle, Arlington, Tex. 76010.

TACEY, PROF. WILLIAM S(ANFORD), b. Sullivan Co, N.Y., Apr. 29, 04; m. 33. SPEECH. B.A., Geneva Col, 28; M.A., Columbia, 32; D.Ed., Pa. State, 60. Teacher rural schs, N.Y., 22-24; teacher & dir. debate, high sch, Pa, 28-46; instr. SPEECH, Pa. State, 46; PROF, PITTSBURGH, 47- Speech Asn. Oral communication in industry; speech education in public schools. Address: 6236 Fifth Ave, Pittsburgh, Pa. 15232.

TACHAU, DR. FRANK, b. Brunswick, Germany, Oct. 19, 29; nat; m. 53; c. 5. POLITICAL SCIENCE. Ph.B., Chicago, 49, M.A., 52, Ph.D. (int. rels), 58; for. student scholar, Ankara, Turkey, 54-56, Mid. East Inst. fel, 55. Res. assoc. polit. sci, Chicago, 52-54, lectr. soc. sci, 54; instr. polit. sci, overseas prog, Maryland, 55-56; instr. hist. & govt, Purdue, 56-59, asst. prof, 59-60; POLIT. SCI, Rutgers, 60-66, ASSOC. PROF, 66-68; ILLINOIS, CHICAGO, 68- Summers, instr, Illinois, 53, vis. lectr, 56; lectr, Nat. Defense Ed. Act Inst. Mid. East Hist, George Washington, 65; faculty mem, Peace Corps training prog. on Turkey, Princeton, 65; lectr, Nat. Defense Col, Can, 66 & 68; dir. Nat. Defense Ed. Act Civics Inst, Rutgers, 67. Nat. Defense Ed. Act for. lang. summer study grant Arabic, Princeton, 61; Am. Philos. Soc. summer res. grant, 63; Fulbright res. grant, Ankara, 63-64; Soc. Sci. Res. Coun. grants, 63-64 & summer, 66. Mem. nat. screening cmt. for Fulbright-Hays grants, Inst. Int. Ed, 67. Polit. Sci. Asn; Mid. East Inst; Mid. East Studies Asn. Middle East politics; comparative politics of underdeveloped nations; international politics. Publ: The developing nations: what path to modernization?, Heath (in press); Language and politics: Turkish language reform, Rev. Polit, 4/64; co-auth, Turkish politics: the attempt to reconcile rapid modernization with democracy, Mid. East J, spring 65. Address: Dept. of Political Science, College of Liberal Arts & Science, University of Illinois at Chicago Circle, Chicago, Ill. 60680.

TACKER, HERBERT R(ALPH), b. Worcester, Mass, Jan. 15, 15; m. 43; c. 2. STATISTICS. A.B., Clark, 37; M.A., Pa. State, 40. Statistician, Off. Defense Transportation, 42-44; U.S. Dept. Army, 44-48; voc. guid. officer, Md. Tech. Inst, 48-51; statistician, bur. labor statist, U.S. Dept. Labor, 51-53; Anaconda Am. Brass Co, 53-60; chief mgt. statist. sect, SOC. SECURITY ADMIN, 61-65, CHIEF EARNINGS & EMPLOY. STATIST. BR, 65- Statist. Asn. Social insurance; quality control; management. Address: Office of Research & Statistics, Social Security Administration, Gwyn Oak Bldg, Baltimore, Md. 21235.

TACKER, DR. ROBERT STEPHEN, b. Moscow, Tenn, Mar. 30, 37; m. 57; c. 2. PSYCHOLOGY. B.S., Memphis State, 59; M.A., Tennessee, 61, Nat. Inst. Ment. Health fel. & Ph.D. (psychol), 64. ASST. PROF. PSYCHOL, SOUTH DAKOTA, 64- Res. grants, Nat. Asn. Retarded Children, 64-; Univ. South Dakota, 64-; U.S. Pub. Health Serv, 65- AAAS; Psychol. Asn. Behavioral effects of ionizing radiation; experimental teratology; learning; comparative psychology. Publ: Co-auth, Low level gamma irradiation and audiogenic seizures, Radiation Res, 62; co-auth, G₁, reward magnitude and the frustration effect in a between groups design, 67 & Motivational properties of nonreward, 68, Psychonomic Sci. Address: Dept. of Psychology, University of South Dakota, Vermillion, S.Dak. 57069.

TACON, DR. PAUL H(ENRY) D(WIGHT), Psychol, see 10th ed, Soc. & Behav. Vols.

TADLOCK, MAX REID, b. Shawneetown, Ill, Dec. 12, 19; m. 42; c. 2. COMMUNICATIONS. B.A., Toledo, 48; M.A., Stanford, 50; San Francisco State Col, 50; San Jose State Col, 54; Oviedo, 58. Teacher Eng, Monterey Peninsula Col, 50-52, dean students, 52-55, dean instr, 55-58 & 61-62, chmn. speech & drama, 58-61 & 62-65; V.PRES. ED. RES. & PLANNING, PAC. RES. CENTER & DIR. ED. RES. & PLANNING, MGT. & ECON. RES. INC, 65- Dir. ed. planning, Tadlock Assocs, 62-65. Jr. col. consult, Calif. Teachers Asn, 64-65; consult. community col. & voc. ed, Colo, 67-68. U.S.A., 41-46, Capt. Am. Acad. Arts & Sci. Educational planning related to urban problems; evaluation of occupational education related to changing social and technological forces; analysis of audio-visual needs and utility in the classroom. Publ: Correcting your English, Houghton, 64; co-auth, Politics and teachers, Calif. Teachers Asn, 65; Pound-wise planning, Am. Asn. Jr. Cols. J, 67. Address: 1612 Don Court, Mt. View, Calif. 94040.

TAEUBER, DR. CONRAD, b. Hosmer, S.Dak, June 15, 06; m. 29; c. 2. SOCIOLOGY, STATISTICS. A.B., Minnesota, 27, A.M., 29, Ph.D., 31; Heidelberg, 29-30. Asst, Wisconsin, 30-31; asst. prof. econ. & sociol, Mt. Holyoke Col, 31-33; res. supvr, Fed. Emergency Relief Admin, 34-35; Works Progress Admin, 35; soc. scientist, bur. agr. econ, U.S. Dept. Agr, 35-42, acting head div. farm pop. & rural welfare, 42-43, spec. asst. to chief, 43-46; chief statist. br, econ. & statist. div, food & agr. orgn, UN, 46-51; asst. dir, U.S. BUR. CENSUS, 51-68, ASSOC. DIR, 68- Mem, Inter-Am. Statist. Inst, pres, 67. Outstanding achievement award, Minnesota, 51; except. serv. award, U.S. Dept. Commerce, 63. AAAS; Pop. Asn. (secy, 39-42, pres, 48); Sociol. Asn. (secy, 41-46); Rural Sociol. Soc; fel. Statist. Asn; Int. Statist. Inst. (pres, 67-). Population sociology; housing and agricultural statistics; census methods; data collection; demographic trends. Publ: Co-auth, Changing population of the United States. Address: 4222 Sheridan St, Hyattsville, Md. 20782.

TAEUBER, DR. IRENE B(ARNES), b. Meadville, Mo, Dec. 25, 06; m. 29; c. 2. DEMOGRAPHY, SOCIOLOGY. A.B., Missouri, 27; fel, Northwestern, 27-28, A.M., 28; Ph.D., Minnesota, 31; LL.D., Smith Col, 60; hon. D.Sc., West. Col, 65. Instr. econ, Mt. Holyoke Col, 31-34; joint ed, Pop. Lit, Pop. Asn, 35-36; res. assoc, OFF. POP. RES, PRINCETON, 36-63, SR. RES. DEMOGRAPHY, 63-, co-ed, Pop. Index, 36-54. Vis. prof, sch. hyg. & pub. health, Hopkins, 61-65. Dir. census library proj, Bur. Census & Library of Cong, 42-44; mem. manpower panel, res. & develop. bd, U.S. Dept. Defense, 47-53. Consult, Off. Coordinator Int. Statist, Bur. Census, 40-50; Pac. Sci. Bd, Nat. Res. Coun, 55-; Agency Int. Develop, U.S. Dept. State, 63- Distinguished achievement award, Missouri, 64; Minnesota, 66. Sociol. Asn. (secy, 49); Statist. Asn; fel. Pop. Asn. (pres, 53); Int. Union Sci. Study Pop. (v-pres). Demographic, social and cultural interrelations, with special reference to the western Pacific region. Publ: Population of Japan; co-auth, Changing population of the United States; auth, Population trends in the United States, 1900-1960. Address: 4222 Sheridan St, Hyattsville, Md. 20782.

TAEUBER, PROF. KARL E(RNST), b. Washington, D.C., Mar. 31, 36; m. 60. SOCIOLOGY, DEMOGRAPHY. B.A., Yale, 55; Nat. Sci. Found. fcls, Harvard, 56-59, M.A., 57, Ph.D., 60. Sr. asst. scientist, biomet. br, Nat. Cancer Inst, U.S. Pub. Health Serv, 59-61; asst. prof. sociol, Chicago & res. assoc, pop. res. & training center, 61-64; asst. prof. SOCIOL, WISCONSIN, 64-65, assoc. prof, 65-67, PROF, 67- Consult, U.S. Cmn. Civil Rights, 66-67. U.S.P.H.S., 59-61, Sr. Asst. Scientist. AAAS; Sociol. Asn; Statist. Asn; Pop. Asn. Research in demography and human ecology, especially race relations and migration in the United States. Publ: Co-auth, Negroes in cities, Aldine, 65; The Negro as an immigrant group, Am. J. Sociol, 64; Residence histories for the United States population, Pub. Health Monogr, 68. Address: Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.

TAEUBER, DR. RICHARD C(ONRAD), b. Holyoke, Mass, Feb. 18, 33; m. 55; c. 3. STATISTICS, ECONOMETRICS. B.A., Swarthmore Col, 53; North Carolina, 53-54; Smith, Kline & French fel, N.C. State Col, 60-61, Ph.D. (exp. statist), 62. Sr. statistician, C-E-I-R, Inc, 61-66; mgr. statist. sci, EBS MGT. CONSULTS, 66-68; PRIN. STATIST. SCIENTIST, LEASCO SYSTS. & RES. CORP, 68- Lectr, Connecticut, 63. U.S.N., 55-58, Res, 58-, Lt. Statist. Asn; Inst. Math. Statist; Inst. Mgt. Sci; Opers. Res. Soc; Asn. Comput. Mach; Royal Statist. Soc. Experimental and applied statistics; application of statistical methodology, especially to sample surveys, information and data systems and election projections. Publ: Co-auth, Spatial equilibrium models of the livestock-feed economy, Am. Econ. Rev; On sampling with replacement: an axiomatic approach. Address: Leasco Systems & Research Corp, 4833 Rugby Ave, Bethesda, Md. 20014.

TAFF, DR. CHARLES A(LBERT), b. Hoisington, Kans, Mar. 25, 16; m. 38; c. 3. TRANSPORTATION ECONOMICS. B.S., Iowa, 37, M.A., 41; Ph.D. (econ), Maryland, 52. Instr. bus. admin, Va. Polytech, 41-43; asst. prof.

transportation, Kent State, 46-49; prof, MARYLAND, 49-62, PROF. BUS. ADMIN. & HEAD DEPT, 62- Consult, U.S. Dept. Defense, 50-57. Ed, Transportation J, 64- Mem, U.S. Toll Cmt, St. Lawrence Seaway Develop. Corp, 57-58; coun. econ. adv, Exec. Off. President, 58-; St. Lawrence Seaway Joint Toll Adv. Bd, 59- U.S.N, 43-46, Lt. Econ. Asn; Soc. Traffic & Transportation. Transportation; physical distribution; business logistics. Publ: Co-auth, Elements of business enterprise; auth, Commercial motor transportation; management of traffic and physical distribution, Irwin, 4th ed, 68. Address: Dept. of Business Administration, University of Maryland, College Park, Md. 20742.

TAFFEL, DR. CHARLES, b. Poland, Aug. 18, 19; nat; m. 41; c. 2. CLINICAL PSYCHOLOGY. B.S.S. City Col. New York, 49; M.A. N.Y. Univ, 50; Ph.D. (psychol), Indiana, 52. Clin. psychologist, Vet. Admin, 52-54, supv. clin. psychologist, 54-56, chief clin. psychologist, 56-57; dir. res, Leon County Ment. Health Unit, Tallahassee, Fla, 57-58; DIR, PALM BEACH COUNTY GUID. CENTER, 58- Consult, cleft-palate team, Crippled Children's Cmn, 64-; Rehabilitation Center for Children & Adults, 65-67. U.S.A, 41-45. AAAS; Psychol. Asn. Child development; community mental health; administration; public health. Publ: Anxiety and the conditioning of verbal behavior, J. Abnorm. & Soc. Psychol; Therapy and the psychiatrist, Psychiat. Quart; Professional liability for community clinics, Am. Psychol. Address: Palm Beach County Guidance Center, 826 Evernia St, West Palm Beach, Fla. 33402.

TAFT, PROF. DONALD R(ED), b. Worcester, Mass, Nov. 7, 86. SOCIOLOGY. A.B. Clark Col, 14; Bancroft scholar, Columbia, 14-15, Gilder fel, 16, Ph.D. 23. Asst. secy, Carnegie Inst. Tech, 16-17; from instr. to asst. prof. econ. & social, Ohio State, 17-19, asst. prof, Wellesley Col, 19-20; from asst. prof. to prof, Wells Col, 21-28; PROF. SOCIOLOGY, ILLINOIS, URBANA, 28-55, EMER. PROF, 55- Smith-Mundt prof, Istanbul, 55-56; vis. prof, Dillard, 56-57; Southern Illinois, 57-59; Mt. Holyoke Col, 60-61; Arizona, 61-62; Wheaton Col.(Mass), 62; summer vis. prof, Colorado, 64. Soc. Asn. Publ: Two Portuguese communities in New England; Human migration; Sociology of international conflict. Address: 1001 S. Douglas Ave, Urbana, Ill. 61801.

TAFT, PROF. PHILIP, b. Syracuse, N.Y., Mar. 22, 02. LABOR ECONOMICS. A.B. Wisconsin, 32, Ph.D. 35. Res. assoc, Wisconsin, 35-36; assoc. economist, Soc. Security Bd, 36-37; from asst. to PROF. ECON, BROWN, 37- Ford Found. grants, 63 & 65. Pub. panel mem, War Labor Bd. Econ. Asn; fel. Am. Acad. Arts & Sci. Labor history and market; economic reform. Publ: Structure and government of labor unions; A.F. of L. in the time of Gompers; Organized labor in American history. Address: 43 Irving Ave, Providence, R.I. 02906.

TAGATZ, DR. GLENN E(DWIN), b. Milwaukee, Wis, Jan. 27, 34; m. 57; c. 1. EDUCATIONAL PSYCHOLOGY. B.S. Wisconsin, Milwaukee, 56, M.S. 59; Ph.D.(ed. psychol), Wisconsin, 63. Teacher, pub. schs, Wis, 56-60; asst. prof. ed. psychol, Wis. State, 63-65; ASSOC. PROF. PSYCHOL, INDIANA STATE, 65- U.S. Of. Ed. res. proj. grant, 65-66; fel, Wisconsin, 66-67. Consult, Fox Valley Curriculum Study Coun, 64-65; Southeast. Ed. Lab, 66-67; Wabash Valley Suppl. Ed. Center, 67- Nat. Guard, 52-60; U.S.A, 61-62, 1st Lt. Psychol. Soc; Ed. Res. Asn; Nat. Soc. Col. Teachers Ed. Human learning, especially conceptual behavior. Publ: Grouping by sex at the first and second grade, J. Ed. Res, 66; The effects of instruction, sex and stimulus variables upon concept attainment, Teachers Col. J, 66; The effects of strategy, sex and age on conceptual behavior of elementary school children, J. Ed. Psychol, 67. Address: Dept. of Psychology, Indiana State University, Terre Haute, Ind. 47809.

TAGESON, CARROLL F(RANCIS), O.S.F. b. Ludington, Mich, Aug. 28, 25. COUNSELING. B.A. San Luis Rey Col, 48; M.A. Catholic Univ, 56, Ph.D. (psychol), 60. Instr. philos, San Luis Rey Col, 52-53, lectr, 55-57, pres, 56-57, 59-61; asst. psychol, Catholic Univ, 54-55, 58-59; LECTR. PSYCHOL. & PHILOS, SAN LUIS REY COL, 59- DEAN STUDENTS, 61- Dir, Nat. Cath. Guid. Conf, 67-70. Psychol. Asn; Acad. Relig. & Ment. Health. Adolescent psychology and counseling; personal and educational counseling; personality measurement; pastoral and religious psychology. Publ: Relationship of self-perceptions to realism of vocational choice; The committed Christian: dynamics of involvement, Paulist Press, 67; The twofold task of the Christian guidance counselor, Nat. Cath. Guid. Coun. J, fall 64. Address: Dept. of Psychology, San Luis Rey College, San Luis Rey, Calif. 92068.

TAGGART, PRES. GLEN L(AIRD), b. Lewiston, Utah, Jan. 16, 14; m. 40; c. 3. SOCIOLOGY. B.S. Utah State, 40; Ph.D.(sociol), Wisconsin, 46. Rural sociologist, bur. agr. econ, U.S. Dept. Agr, 43-44, soc. scientist, off. for. agr. rels, 44-49, asst. chief tech. collab. div, 50-52, chief, 52-53; prof. sociol. & anthrop, Mich. State, 53-68, dean int. progs, 56-68; PRES, UTAH STATE, 68- V-chancellor, Univ. Nigeria, 64-66. U.S. Dept. State consult, Govt. of Nigeria, 58, Taiwan, 59 & Univ. Hawaii, 61; W.K. Kellogg Found. consult, Govt. Colombia, 60-61; consult, San Carlos, Guatemala, 61; U.S. Dept. Health, Ed. & Welfare, 66- Mem. bd. dirs, Int. Vol. Serv. Inc, 65- Mem. ed. adv. bd, African-Am. Students Found, 61-62; Cmt. Ed. Trop. Africa, Nat. Acad. Sci-Nat. Res. Coun, 61-62; cmt. ed. exchange policy, Inst. Int. Ed, 62-64; overseas liaison cmt, Am. Coun. Ed, 65- AAAS; Sociol. Asn; Rural Sociol. Soc; Acad. Polit. & Soc. Sci; Soc. Int. Develop. Social organization and administration; institutional development; diffusion of technology. Publ: Co-auth, Report of the Philippine-United States Agricultural Mission & Field extension services in Michigan; The international focus at Michigan State University. Address: Office of the President, Utah State University, Logan, Utah 84321.

TAGGART, DEAN JOSEPH, b. Wakefield, Mass, Dec. 29, 02. ECONOMICS. FINANCE. Ph.B. Yale, 24; M.B.A. Harvard, 27; Ph.D. Columbia, 38; LL.D. Long Island, 64. Prof. finance, Kansas, 28-48; Rutgers, 47-56; N.Y. UNIV, 56-64, assoc. dean sch. bus. admin, 56-59, dean, 59-64, EXEC. DEAN SCHS. BUS, 62- Adv. munitions bd, U.S. Dept. Defense, 46-52. Dir, Allegheny Power Syst, Inc, 60-; dir, James Talcott, Inc, 65-; pub. gov, Am. Stock Exchange, 66- U.S.A, 42-45. Econ. Asn. Address: 100 Trinity Place, New York, N.Y. 10006.

TAGIURI, PROF. R(ENATO), b. Milan, Italy, Apr. 28, 19; nat; m. 46; c. 3. PSYCHOLOGY. B.S. McGill, 45, M.S. 48; Robert Treat Payne fel, Harvard, 47-48, univ. fel, 49-51, Ph.D. 51. Lectr. dept. soc. rels, HARVARD, 51-57, SOC. SCI, GRAD. SCH. BUS. ADMIN, 57-58, assoc. prof, 59-62, PROF, 62- Commonwealth fund fel, 53-57. Fel. Psychol. Asn; fel. Sociol. Asn. Interpersonal perception; personality theory; small group dynamics; psychology in management. Publ: Co-auth, Person perception, 58 & Perception of people, Handbook Soc. Psychol, 54. Address: Graduate School of Business Administration, Harvard University, Soldiers Field, Boston, Mass. 02163.

TAGLIACCOZZO, PROF. DAISY MARGOT, b. Berlin, Germany, Mar. 28, 23; U.S. citizen; wid. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A. Boston, 50; Ph.D.(sociol), Chicago, 56. Teacher SOCIOLOGY, Wright Jr. Col, 56-59; assoc. prof, ILL. INST. TECH, 61-66, PROF, 66-, acting chmn. dept. polit. & soc. sci, 63-64, chmn. dept, 64-66. Consult, Ill. Nurses Asn. & econ. security cmt, Am. Nurses Asn, 63-65; Dept. Health, Ed. & Welfare, 65-66. Rep. Governor's Ment. Health Planning Bd. Subcm; Coun. on Univs, 67- Sociol. Asn; Soc. Study Social Problems. Compliance with professional authority; professional-client relationships; high school teachers training. Publ: Co-auth, The worker views his union, Univ. Chicago, 58; co-auth, The union organizer and his tactics, 53 & auth, Trade union government: its nature and its problems, 56, Am. J. Sociol. Address: Dept. of Sociology, Illinois Institute of Technology, Chicago, Ill. 60616.

TAGLIACCOZZO, DR. GIORGIO, b. Rome, Italy, Aug. 8, 09; nat. ECONOMICS. Ph.D.(econ), Rome, 30, Ph.D.(polit. sci), 33. Fel. & lectr. econ, Rome, 34-35, asst. prof. pub. finance, 35-38; private writer & researcher, 38-43; writer & ed. econ. & soc. probs, Off. War Info, 43-45; radio script writer, Voice of Am, U.S. Dept. State, 46-47; writer & commentator, Columbia Broadcasting Syst, 47-48; RADIO SCRIPT WRITER, VOICE OF AM, U.S. INFO. AGENCY, 49- Lectr, New Sch. Soc. Res, 47- Econ. Asn. Neapolitan economists of the seventeenth and eighteenth centuries; Beveridge plan and Italian security; Croce and economic liberalism; history of ideas. Publ: Ed, Giambattista vico: an international symposium, Hopkins, 68; New approach to liberal adult education: The problem of the unity of culture through western history, Am. Behav. Scientist, 62-64. Address: U.S. Information Agency, Italian Service, Room 2346, Health, Education & Welfare Bldg, Washington, D.C. 20547.

TAGLIACCOZZO, DR. LUIGI, Psychol, see 10th ed, Soc. & Behav. Vols.

TAGUE, DR. JEAN M, b. Edmonton, Alta, Apr. 8, 31; m. 62; c. 1. STATISTICS. B.A. Alberta, 54; B.L.S. McGill, 55; Ph.D.(statist. library sci), Western Reserve, 66. Res. asst. info. retrieval, Western Reserve, 61-64; ASST. PROF. STATIST, MEMORIAL UNIV, 65- Am. Soc. Info. Sci; Am. Statist. Asn; Can. Math. Cong. Computer-assisted information retrieval; qualitative analysis. Publ: Matching of question and answer terminology in an education research file, Am. Document, 1/65; An evaluation of statistical association measures, Proc. Am. Document, Inst. 66; Association trails, In: Encyclopedia of library and information science, 68. Address: Dept. of Mathematics, Memorial University, St. John's, Newf, Can.

TAI, DR. HUNG-CHAO, b. China, Nov. 18, 29; m. 60; c. 3. POLITICAL SCIENCE. B.A. Taiwan, 54; scholar, Illinois, 56-59, M.A. 58, fel, 59-60, Ph.D. (polit. sci), 61. Asst. Illinois, 60-61; instr. polit. sci, Montana, 61-62; asst. prof, Detroit, 62-66; res. assoc. int. rels, Harvard, 66-67; asst. prof. POLIT. SCI, DETROIT, 67-68, ASSOC. PROF, 68- Ford faculty res. fel, 68-69. Taiwan Army Res. Polit. Sci. Asn; Soc. Int. Law; Asn. Asian Studies. International relations; developing areas; contemporary China. Address: Dept. of Political Science, University of Detroit, Detroit, Mich. 48221.

TAIBL, DR. RAYMOND MARTIN, Ed. Psychol, see 10th ed, Soc. & Behav. Vols.

TAINITER, DR. MELVIN, Appl. Math, see Suppl. V to 11th ed, Phys. & Biol. Vols.

TAIRA, DR. KOJI, b. Okinawa, Japan, Nov. 7, 26; m. 57; c. 2. ECONOMICS. B.A. New Mexico, 53; M.A. Wisconsin, 54; Ph.D.(econ), Stanford, 61. Asst. prof. econ, Ryukyus, 54-57; Washington (Seattle), 61-62; mem. div. res. Int. Labor Off, 62-65; ASSOC. PROF. ECON, STANFORD, 65- Mem. Minimum Wages Cmn, Govt. Ryukyus Islands, 55-57. Econ. Asn; Asn. Comp. Econ; Indust. Rels. Res. Asn. Less developed countries; wages and unemployment; social security and poverty; economic conditions of Far Eastern countries. Publ: Relation between wages and income from self-employment, Manchester Sch, 5/66; Participation of employers' and workers' organizations in economic planning in Japan, Int. Labour Rev, 12/66; Public assistance: development and trends, J. Asian Studies, 11/67. Address: Dept. of Economics, Stanford University, Stanford, Calif. 94305.

TAIT, DR. JAMES F(ULTON), b. Winnipeg, Man, Mar. 3, 18; nat; m. 43; c. 2. CLINICAL & INDUSTRIAL PSYCHOLOGY. B.S. Oregon, 42; Ph.D. Southern California, 56. Lectr. psychol, Southern California, 47-48; specialist, syst. training, Rand Corp, 56-58; human factor scientist, Syst. Develop. Corp, 58-61; supvr. human factors, Pomona div, Gen. Dynamics Corp, 61-62; head, human factors ops. anal, space flight ops, jet propulsion lab, Calif. Inst. Tech, Pasadena, 62-66; SR. ASSOC. CLIN. PSYCHOL, J. TAIT ASSOC. CLIN, WEST COVINA, 66- AAAS. Brain injury and perceptual degradation; perceptual organization and information displays; systems analysis in military, space and industrial fields. Address: 1014 Syracuse, Claremont, Calif. 91711.

TAITEL, MARTIN, Statist, Econ, see 10th ed, Soc. & Behav. Vols, deceased 67.

TAKAHASHI, SHIGEHARU, b. San Francisco, Calif, Jan. 29, 21; m. 50; c. 3. ECONOMICS. A.B. Ohio, 43; Marshall Field Fel, Chicago, 44-45. Asst. econ, Chicago, 44-45; agr. economist, gen. hqs, Supreme Cmdr. Allied Powers, U.S. Dept. Army, 46-51, chief agr. br, 51-52; agr. economist, Burma Proj, Robert R. Nathan Assocs, Inc, 52-59; consult, INT. BANK RECONSTRUCT. & DEVELOP, 59-60, agr. economist, 60-62, economist,

- develop. adv. serv. 62-65, dep. to asst. dir, PROJS. DEPT. 65-67, ADV. AGR. ECON. 67- Foodgrain consult, Harvard-Pakistan Adv. Group, 59. U.S.A. 45-46, Sgt. Econ. Asn; Soc. Int. Develop. Economic development; agricultural planning; programming; project appraisal; institutional aspects of agriculture. Publ: Chap. In: Economic development of Venezuela. Address: 13007 Cleveland Dr, Rockville, Md. 20850.
- TAKAYAMA, DR. AKIRA**, b. Yokohama, Japan, June 28, 32. ECONOMICS. B.A. Int. Christian Univ, Tokyo, 57; M.A. Rochester, 60, Ph.D.(econ), 62; Ph.D.(econ), Hitotsubashi Univ, Japan, 64. Instr. ECON. Int. Christian Univ, Tokyo, 62-64, asst. prof. 64; vis. assoc. prof. Minnesota, 65-66; PURDUE, 66-67, assoc. prof. 67-68, PROF. 68- Univ. Manchester econ. statist. fel. 64-65. Econ. Asn; Economet. Soc. International trade; mathematical economics. Publ: Inter-national economics, Toyokeizai Shimposha, Japan, 63; On a two-sector model of economic growth, 6/63 & Economic growth and international trade, 6/64, Rev. Econ. Studies. Address: Dept. of Economics, Purdue University, Lafayette, Ind. 47907.
- TAKEUCHI, DR. KENJI**, b. Nishinomiya, Japan, Sept. 3, 32; m. 63. ECONOMICS. B.A. Kwansei Gakuin Univ, Japan, 56; Ph.D.(econ), Duke, 62. Mem. ed. staff Japanese serv, Voice Am, U.S. Info. Agency, D.C. 61-63; instr. econ. sch. commerce, Kwansei Gakuin Univ, Japan, 63-66; vis. asst. prof., Lafayette Col. 66-67; asst. prof. Dickinson Col. 67-68; ECONOMIST, INT. BANK RECONSTRUCT. & DEVELOP. D.C. 68- Econ. Asn. International economics; econometrics. Publ: Technical progress and productivity change in the export sectors in Japan, 1859-92, Kwansei Gakuin Annual Studies, Vol. XV, 66; A statistical analysis of foreign trade in Japan, 1859-1868, Loughborough J. Soc. Studies, 11/66. Address: Apt. 1012, Topaz House, 4400 East West Highway, Bethesda, Md. 20014.
- TALBERT, DR. GENE E(ARL)**, b. Stephens, Ark, Dec. 20, 28; m. 53; c. 3. INDUSTRIAL PSYCHOLOGY. B.A. La. Col. 51; M.A. Baylor, 52; Ph.D. California, Los Angeles, 55. Assoc. personnel psychologist training design, Am. Inst. Res. 52; asst. exp. psychol. California, Los Angeles, 52-54, res. engr. 54-55; training specialist syst. training, Rand Corp. 55-58; asst. proj. mgr. comput. programming, SYST. DEVELOP. CORP. 58-59, head group, 59-60, head asst. br. 60-61, head div. planning staff, 61, PROJ. MGR. SYSTS. DESIGN, 61- U.S.M.C. 46-47. Psychol. Asn. Management, planning and design of computer-based information processing systems. Publ: Psychological concomitants of pulmonary tuberculosis; Guided missiles personnel; Critical factors in job satisfaction. Address: 4540 San Feliciano Dr, Woodland Hills, Calif. 91364.
- TALBERT, PROF. ROBERT H(ARRIS)**, b. Farmington, Mo, Feb. 28, 09; m. 43; c. 1. SOCIOLOGY. A.B. Southeast Mo. State Col. 31, B.S. 32; A.M. Missouri, 36; Ph.D. Duke, 43. Assoc. prof. SOCIOL. TEXAS CHRISTIAN, 46-48, PROF. 50-, CHMN. DEPT. 63- Asst. prof. Iowa, 48-50. U.S.A. 42-45. Sociol. Asn; Pop. Asn. Urbanism; minority relations; community organization. Publ: Co-auth. Crime, suicide, and social well-being; Mid-century crime in America; Cowtown metropolis, Leo Potishman, 56. Address: Dept. of Sociology, Texas Christian University, Box 30795, Ft. Worth, Tex. 76129.
- TALBOT, ASHLEY F(REDERICK)**, b. New York, N.Y., Dec. 8, 22; m. 49; c. 1. GEOGRAPHY. B.A. Michigan, 48. Asst. ed. map compilation, HAMMOND INC. 49-53, ed. 53-61, sr. ed. 62-66, EXEC. ED. 66- Asn. Am. Geog. Am. Geog. Soc. Am. Name Soc; N. Am. Vexillological Asn. Historical and Pacific Islands geography; place names; flags. Address: 38 Winans St, East Orange, N.J. 07017.
- TALBOT, EDWARD J(AMES)**, b. London, Eng, Dec. 20, 12; nat; m. 38; c. 3. ECONOMICS. B.S. Massachusetts, 34; M.S. Cornell, 35. Asst. prof. agr. econ. & asst. economist, exp. sta. Wyoming, 36-42; agr. economist, U.S. Dept. Agr. 42-44; economist, U.S. Bur. Reclamation, 46-58; budget exam. Exec. Off. President, 58-61; ECONOMIST, U.S. BUR. RECLAMATION, 61-Dir. & lectr. Food & Agr. Orgn, ECON. Resource Develop. Center, Egypt, 54. U.S.N.R. 44-45, Lt. Agr. Econ. Asn. Agricultural economics; natural resources development. Address: 11965 W. 20th Ave, Denver, Colo. 80215.
- TALBOT, DR. EUGENE**, b. New York, N.Y., Mar. 15, 26; m. 47; c. 3. CLINICAL & SOCIAL PSYCHOLOGY. B.A. California, Los Angeles, 48, M.A. 51, Ph.D. 54. Trainee clin. psychol. Vet. Admin, 51-54; U.S. Pub. Health Serv. fel. AUSTEN RIGGS CENTER, INC. 54-56, staff psychologist CLIN. PSYCHOL. 56-65, SR. STAFF, 65- Consult, Williams Col. 54-57. Dipl. Am. Bd. Exam. Prnl. Psychol. 61. U.S.N. 44-46. AAAS; Psychol. Asn. Influence of hospital social structure upon treatment of psychiatric patients; psychotherapy; psychodiagnostics; activities programming in psychiatric hospitals. Publ: Co-auth. Some aspects of self-conceptions and role-demands in a therapeutic community, J. Abnorm. & Soc. Psychol. 50. Some anti-therapeutic side effects of hospitalization and psychotherapy, 64 & The struggle to create a sane society in the psychiatric hospital, 66, Psychiatry. Address: Austen Riggs Center, Inc, Stockbridge, Mass. 01262.
- TALBOT, DR. PHILLIPS**, b. Pittsburgh, Pa, June 7, 15; m. 43; c. 3. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A. & B.S.J. Illinois, 36; London, 38-39; Ph.D.(int. rels), Chicago, 54; LL.D. Mills Col. 63. Reporter & for. correspondent, Chicago Daily News, 36-38, 46-48; assoc. Inst. Current World Affairs, 38-41; vis. asst. prof. polit. sci, Chicago, 48-50; exec. dir. Am. Univ. Field Staff, 51-61; asst. secy. state, Near East & S.Asian Affairs, U.S. DEPT. STATE, 61-65, AMBASSADOR, U.S. EMBASSY, GREECE, 65- Lectr. Columbia, 51-52. U.S.N.R. 41-46, Lt. Comdr. Polit. Sci. Asn; Asn. Asian Studies; Royal Cent. Asian Soc. Publ: Co-auth. India and America; ed. South Asia in the world today. Address: U.S. Embassy, Athens, Greece.
- TALBOT, PROF. ROSS B(ERTRAM)**, b. Long Point, Ill, Nov. 3, 19; m. 41; c. 2. POLITICAL SCIENCE. A.B. Ill. Wesleyan, 41; summer, Illinois, 41; M.A. Chicago, 49, Ph.D. 53. From instr. to asst. prof. polit. sci, North Dakota, 48-56; vis. asst. prof. soc. sci, Columbia, 56-57; assoc. prof. POLIT. SCI, IOWA STATE, 57-62, PROF. 62-, CHMN. DEPT. HIST. GOVT. & PHILOS. 66- Award, Am. Farm Econ. Asn, 64. U.S.A. 41-46, Res. 46-, Lt. Col. Polit. Sci. Asn. Political aspects of farm and land policy, both in domestic and foreign affairs. Publ: Co-auth. Pressures and protests, 65 & Policy process in American agriculture, 68, Chandler Pub. auth. The USDA embarks on its second century of service, J. Farm Econ, 64. Address: 304 Beardshear Hall, Iowa State University, Ames, Iowa 50010.
- TALBOTT, DR. ALBERT DAVID**, b. Rushville, Nebr, Jan. 12, 32; m. 57; c. 1. COMMUNICATIONS, PSYCHOMETRICS. B.S. Iowa State, 58; M.A. Mich. State, 61, Ph.D.(commun), 68. Asst. instr. commun. res. center, Mich. State, 63-64, instr. dept. commun, 64-67, dir. res. serv. 65-67; ASST. PROF. & ASSOC. DIR. MASS. COMMUN. RES. BUR. SCH. JOURNALISM, IOWA, 67- Consult, Am. Farm Bur. Fedn. 63-68; TV-Radio, Ohio Univ, 66; Mkt-Opinion Res. Co, 67. U.S.A. 53-55. Asn. Comput. Mach; Asn. Ed. in Journalism; Nat. Soc. Study Commun. Communication and persuasion; source credibility; attitudes and attitude change; career orientations of mass media personnel; computer simulation of news and information flow; communication research methodology. Publ: Co-auth. Civil defense belief patterns: reports I-VIII, Mich. State Univ, 63-64, Time use profiles and program strategy, J. Broadcasting, 61 & Prediction of individual patterns of television viewing, Monthly Bull. Radio & TV Cultural Res. Inst, Japan, 64. Address: School of Journalism, University of Iowa, Iowa City, Iowa 52240.
- TALCOTT, DR. DOUGLAS R(OSS)**, b. Cleveland, Ohio, Apr. 12, 18; m. 44; c. 4. ENGINEERING & INDUSTRIAL PSYCHOLOGY. B.S. Fenn Col. 43; M.A. Iowa, 51; Ph.D.(indust. psychol), Houston, 57. Instr. biol. & psychologist, Moline Community Col. 48-51, acting dean, 52-53; voc. counsr, Houston, 52-54; res. psychologist, aero-med. lab, U.S. AIR FORCE, WRIGHT PATTENSON AIR FORCE BASE, 56-60, Dyna Soar Prog, 60-63, ENG. PSYCHOLOGIST, AERONAUT. SYSTS. DIV. 63- Lectr. col. eng, U.S. Air Force Inst. Tech, Air Univ, 65-67. Med.C. U.S.A. 43-46, T/Sgt. AAAS; Psychol. Asn. Human engineering; performance evaluation; appraisal interviewing; systems testing. Publ: Co-auth. Pilot workload and communications, Proc. X20A Symp, ASD TDR 63-148, 3/63, Human factors data for manned aircraft weapon systems, MIL-D-25946, 11/57 & Human engineering design criteria for manned weapon systems, MIL-STD 803, 11/59, U.S. Air Force. Address: 2660 Echo Valley Dr, Xenia, Ohio 45385.
- TALLANA, DR. LAWRENCE EDWIN**, b. Mt. Vernon, Ill, Feb. 27, 29; m. 53; c. 2. PSYCHOLOGY. B.S. Southern Illinois, 51, M.S. 52; Ph.D. Purdue, 58. Asst. psychol. Purdue, 54-56, instr. 56-57; asst. prof. & supr. testing, SOUTHERN ILLINOIS, 57-59; assoc. prof. PSYCHOL. 59-68, PROF. 68- Vis. prof. div. continuing ed, Ore. State Syst. Higher Ed, 65-66. Consult, Off. State Supt. of Pub. Instr, Ill, 60-67; Div. Voc. Rehab. Ill, 59- Med.C. 52-54, Sgt. Psychol. Asn. Psychometrics; test development; chemical composition of blood and human attributes; personality. Publ: SRA youth inventory; co-auth. What youth worries about and why, Nat. Parent-Teacher Mag; contrib. Research in counseling: evaluation and refocus, C.E. Merrill, 68. Address: Dept. of Psychology & Psychological Services, Southern Illinois University, Edwardsville, Ill. 62025.
- TALLARICO, DR. ROBERT B(ATCHELDER)**, b. Wilton, N.H., Sept. 1, 23; m. 50; c. 4. EXPERIMENTAL PSYCHOLOGY. B.A. Occidental Col. 50; M.S. Purdue, 51, fel. & Ph.D.(psychol), 56. Asst. mil. training, HumRRO, 51-54; asst. prof. PSYCHOL, MIAMI (FLA), 56-61, ASSOC. PROF. 61- U.S.N. 43-46. Psychol. Asn. Learning and perception; animal behavior; research methodology. Address: Dept. of Psychology, University of Miami, Coral Gables, Fla. 33124.
- TALLENT, DR. NORMAN**, b. Springfield, Mass, Sept. 28, 21; m. 49; c. 3. PSYCHOLOGY. B.S. Illinois, 46; M.S. 47; M.A. Columbia, 49, Ph.D.(psychol), 54. Psychol. intern, Elgin State Hosp, Ill, 50-51, jr. staff psychologist, 51-52, sr. staff psychologist, 52-53; chief clin. psychol. Vet. Admin. Center, Kecoughtan, Va. 54-59, CLIN. PSYCHOLOGIST, VET. ADMIN. HOSP., NORTHAMPTON, MASS, 59- Lectr. Langley Air Force Base Exten, George Washington, 55-59; vis. lectr. Massachusetts, 62- U.S.A. 43-45. Psychol. Asn; Soc. Proj. Tech. Personality; projective techniques; psychotherapy; clinical process. Publ: Clinical psychological consultation, Prentice-Hall, 63; Psychological perspectives on the person, Van Nostrand, 67; Clinical psychological testing: a review of premises, practices and promises; J. Proj. Tech. & Personality Assessment. Address: 41 Hillside Rd, Northampton, Mass. 01060.
- TALLMADGE, DR. G(UY) KASTEN**, b. Milwaukee, Wis, Mar. 2, 32; m. 57. APPLIED PSYCHOLOGY. A.B. Princeton, 54; M.S. Purdue, 56, Ph.D.(psychol), 59; Fulbright scholar, Melbourne, 57-58. Res. scientist, Douglas Aircraft Co, 59-61; mgr. behav. psychol. Humetrics Div, Thiokol Chem. Corp. 61-63; sr. assoc. appl. psychol. Planning Res. Corp, 63-65; DIR. INSTRUCTIONAL METHODS PROG, AM. INSTS. RES. 65- Psychol. Asn; Ed. Res. Asn; Human Factors Soc. Instructional technology; interactive relationships between individual learner characteristics and instructional treatment conditions; military and industrial training. Publ: The validity of sociometric choices for the structural analysis of groups, Australian J. Psychol, 59; auth. Relationships between training methods and learner characteristics, 68 & co-auth. Relationships among learning styles, instructional methods, and the nature of learning experiences, (in press), J. Ed. Psychol. Address: American Institutes for Research, P.O. Box 1113, Palo Alto, Calif. 94302.
- TALLMAN, DR. FRANK FORD**, b. Red Deer, Alta, May 26, 02; nat; m. 27; c. 3. PSYCHIATRY. M.D. Alberta, 27. Med. officer, Prov. Med. Hosp, Alta, 27-29; intern, Kings Park State Hosp, L.I. N.Y., 29-31; asst. physician, Rockland State Hosp, New York, 31-38, dir. clin. psychiat, 38-41; mem. staff, Gov. Lehman's Temporary Cmn. State Hosp. Prob. N.Y., 41-42; dir. ment. hyg. Mich, 42-44; community ment. hyg, Ohio, 44-47; practicing psychiatrist, 47-49; state dir. ment. hyg, Calif, 49-53; PROF. PSYCHIAT. & HEAD DIV. SOC. SCI. & COMMUNITY PSYCHIAT, SCH. MED. CALIFORNIA, LOS ANGELES, 53-, PROF. PUB. HEALTH, SCH. PUB. HEALTH, 60- Consult. to ment. hosp. adv. U.S. Dept. Health, Ed. & Welfare; Vet. Admin. Hosp, Sepulveda, 56-62; Brentwood Psychiat. Hosp. Fel. AAAS; fel. Col. Psychiat; fel. Am. Med. Asn; fel. Psychiat. Asn; Pub. Health Asn; Asn. Am. Med. Colls; Pan-Am. Med. Asn; Soc. Sci. Study Religion; Royal Soc. Med; World Fedn. Ment.

Health. Clinical and social psychiatry; psychotherapy; mental hygiene. Publ: Treatment of emotional problems in office practice, McGraw, 60; Treatment of psychocutaneous disorders by the dermatologist, In: Modern dermatologic therapy, McGraw, 59; co-auth. A study of the use of mental health media by the lay public, Ment. Hyg, 1/65. Address: Dept. of Psychiatry, University of California Medical Center, Los Angeles, Calif. 90024.

TALLMAN, GLADYS G(RIFFITH), Psychol, see 10th ed, Soc. & Behav. Vols.

TALLMAN, DR. IRVING, b. New York, N.Y., May 11, 25; m. 50; c. 2. **SOCIOLOGY.** A.B. California, Berkeley, 48; M.S.W. Wayne State, 50; Ph.D.(sociol), Stanford, 63. Psychiat. soc. worker, Calif. Dept. Ment. Hyg, 50-57; res. assoc. San Francisco State Col, 57-61, asst. prof. ed, 61-62; **SOCIOLOG.** San Jose State Col, 62-64; **MINNESOTA, MINNEAPOLIS, 64-65, ASSOC. PROF.** 65- U.S.A. 43-46. Sociol. Asn; Nat. Coun. Family Rels; Soc. Study Social Probs. Family adaptations to mental retardation; family problem solving; life style differences in suburban and urban working class; political sociolization of college students. Publ: Adaptability: a problem solving approach to assessing child rearing practices, Child Develop, 12/61; Spousal role differentiation and the socialization of severely retarded children, Marriage & Family, 2/65; Adaptation to blocked opportunity: an experimental study Sociometry, 6/66. Address: Dept. of Sociology, University of Minnesota, Minneapolis, Minn. 55455.

TALMADGE, DR. MAX, b. New York, N.Y., Nov. 29, 25; m. 51; c. 3. **PSYCHOLOGY.** B.S. City Col. New York, 49, M.S. 50; Ph.D. Utah, 57. Intern. clin. psychol. Alton State Hosp, Ill, 50-51; staff psychologist, child guid. clin. Utah, 53-55; residential treatment center, Emma Pendleton Bradley Hosp, 55-57, sr. psychologist, 57-62; res. psychologist, inst. health sci, Brown, 58-62, exten. lectr. psychol, 59-62; dir. psychol. serv. ASTOR HOME FOR CHILDREN, 62-65, DIR. PSYCHOL, 65- Grad. lectr. grad. div, R.I. Col, 60-; lectr., Dutchess Community Col, 64; State Univ. N.Y. Col. New Paltz, 65-66; Vassar Col, 66-67; superv. bd. regents proj. correlates hyperactivity, 67- Consult, Poughkeepsie Day Sch. & Dutchess County Bd. Coop. Ed. Serv, N.Y. 65- Psychol. Asn; Orthopsychiat. Asn. Education and psychology of emotionally disturbed and minimally brain damage children; residential treatment. Publ: Co-auth. A study of Rorschach signs of adjustment in mothers of institutionalized emotionally disturbed children, J. Projective Tech, 27: 292-296; Utility of the Rorschach in predicting movement in psychiatric casework, J. Consult. Psychol, 28: 311-316; Psychiatric syndromes and neurological findings as related to academic underachievement, Am. J. Orthopsychiat, 68. Address: Astor Home for Children, Rhinebeck, N.Y. 12572.

TALMERS, DR. WILLIAM N(ICHOLS), b. Manchester, N.H., Dec. 29, 19; m. 50; c. 1. **ECONOMICS.** B.S. Babson Inst, 51; fel, Mass. Inst. Tech, 53-54, Ph.D. (econ), 54. Asst. prof. econ, Bucknell, 54-56; economist, P. Philippe, 56-66; v-pres, European-Am. Econ. Corp, 66-67; PROPRIETOR & ECONOMIST, W.N. TALMERS CO, NEW YORK, 67- U.S.A.A.F, 42-44. Econ. Asn. Economic theory; income analysis; economic forecasting. Address: 150 Greenway Terr, Forest Hills, N.Y. 11375.

TAMAGNA, PROF. FRANK M(ARIUS), b. Monza, Italy, Apr. 12, 10; nat; m. 38; c. 2. **ECONOMICS, FINANCE.** LL.D. Pavia, 34; Columbia, 34-35; Notre Dame, 35; Ph.D. Yale, 37. Economist, Bank of Italy, 37-39; instr. econ, Xavier, 39-40; economist, Fed. Reserve Bank of N.Y., 40-46; economist & chief int. finance ops. & policy sect, bd. governors, Fed. Reserve Syst, 46-56, savings study consult, 46-58; PROF. ECON, AMERICAN UNIV, 58-; CONSULT, 58- Exec. Nat. Govt. of China & Cent. Bank of China, 48; prof. lectr., American Univ, 48-58; lectr., Int. Univ. Soc. Studies, Italy, Consult, For. Econ. Admin, U.S. Dept. Navy, 42-45; Handicraft Develop, Inc, 45; adv. Supreme Comdr. Allied Powers, Japan, 46. Econ. Asn; Finance Asn. Central banking; monetary theory; international finance. Publ: Banking and finance in China, Inst. Pac. Rels, N.Y. 42; Instruments and processes of monetary policy—a comparative analysis in monetary management, Prentice Hall, 63, Spanish, 65, Italian, 67; Central banking in Latin America, Spanish, 63, English, 65, Italian, 67. Address: Dept. of Economics, American University, Washington, D.C. 20016.

TAMKIN, DR. ARTHUR S, b. Montgomery, Ala., July 13, 28; m. 50; c. 4. **PSYCHOLOGY.** A.B. Harvard, 50; Ph.D.(psychol), Duke, 54. Clin. psychologist, Northampton Vet. Admin. Hosp, 55-57; dir. res. Columbus Children's Psychiat. Hosp, 58-59; chief clin. psychologist, Providence Vet. Admin. Regional Off, 60-67; CHIEF PSYCHOL. SERV. CLIN. DIV. VET. ADMIN. HOSP, PROVIDENCE, 67- Instr. div. univ. exten. State Dept. Ed, Mass; lectr., Ohio State, 58-59; private practice, 59-; lectr., exten. div, Rhode Island, 60-61. Consult, Pawtucket Community Ment. Health Clin, 65-; Newport Community Ment. Health Clin, 67- U.S.A. 46-48, Res, 50-57; U.S.P.H.S.R., 58-; Scientist. Psychol. Asn. Psychopathology; psychodiagnostic testing. Publ: Selective recall in schizophrenia and its relation to ego strength, J. Abnorm. & Soc. Psychol; Rorschach card rejection by psychiatric patients, J. Consult. Psychol; Survey of educational disability in emotionally disturbed children, J. Ed. Res. Address: 72 Parkman St, Cranston, R.I. 02910.

TANDY, PROF. W. LOU, b. Chicago Heights, Ill, Dec. 22, 01; m. 26; c. 2. **ECONOMICS, SOCIOLOGY.** B.A. Wayne, 30; M.A. Michigan, 31; Ph.D.(econ), Illinois, 34. PROF. econ. & sociol. Col. of the Ozarks, 34-36; econ, Eureka Col, 37-42; econ. & sociol, Lake Erie Col, 44-46; Wis. State Teachers Col, Milwaukee, 46-50; econ, Fisk, 50-51; ECON. & SOCIOL, Allen, 53-54; CENTRAL STATE, 54- Econ. Asn; Sociol. Asn. Interrelationship of the social sciences; comparative economic systems; consumer economics; marriage and the family; economic and social progress. Publ: Economics of leisure, a study in consumption. Address: Dept. of Economics & Sociology, Central State University, Wilberforce, Ohio 45384.

TANEJA, DR. V(IDYA) S(AGAR), b. India, Sept. 7, 31; m. 62; c. 2. **STATISTICS, MATHEMATICS.** B.A. Panjab, 50, M.A., 52; Cowles fel, Minnesota, Minneapolis, 60, M.A. 63; Ph.D.(statist), Connecticut, 66. Lectr. MATH, Doaba Col, India, 53-59; instr. Minnesota, 64-65; ASST. PROF. NEW MEXICO STATE, 66- Statist. Asn; Inst. Math. Statist; Opera. Res. Soc. Am.

Operations research; time series analysis; surveillance models; estimation and testing. Publ: Co-auth. On tests of trend in a weakly stationary time series, Dept. Statist, Univ. Connecticut, 8/66; auth. A-surveillance model: two machine case, Conf. Proc. Opera. Res. Around World, 67. Address: Dept. of Mathematical Sciences, New Mexico State University, Las Cruces, N.Mex. 88001.

TANENHAUS, PROF. JOSEPH, b. Binghamton, N.Y., Feb. 27, 24; m. 50; c. 3. **POLITICAL SCIENCE.** A.B. Cornell, 47, A.M., 49, Ph.D.(govt), 53. Instr. Wellesley Col, 51-52; Wells Col, 52-53; asst. prof. govt. N.Y. Univ, 53-57, assoc. prof, 57-63, PROF. POLIT. SCI, 63-65, asst. dir. institutional res, off. res. servs, 61-63; IOWA, 65- Soc. Sci. Res. Coun. faculty fel, 56-59, res. grants, 62-63, 67-68; Nat. Sci. Found. res. grant, 66-68. Chmn. coun. Inter-Univ. Consortium Polit. Res, 65-66. U.S.A. 44-46. Polit. Sci. Asn. Public law; political behavior. Publ: Co-auth. American political science: a profile of a discipline, Atherton, 64, The development of American political sciences: from Burgess to behavioralism, Allyn & Bacon, 67 & Frontiers of judicial research, Wiley, 68. Address: Dept. of Political Science, University of Iowa, Iowa City, Iowa 52240.

TANG, PROF. ANTHONY M(ATTHEW), b. Shanghai, China, May 6, 24; nat; m. 46; c. 6. **ECONOMICS.** B.B.A. Loyola (La), 49; Ph.D.(econ), Vanderbilt, 55. Asst. acct. & statist, VANDERBILT, 49-52, res. assoc. econ. develop, 52-54, asst. dir. inst. econ. develop, 54, 56, instr. ECON, 55-56, asst. prof, 56-60, assoc. prof, 60-63, PROF, 63-, CHMN. DEPT. ECON. & BUS. ADMIN, 68-, dir. grad. prog. econ. develop, 61-63. Vis. lectr., Osaka Univ, 59-60; vis. prof., California, Berkeley, 63-64; Chinese Univ. Hong Kong, 66-68. Ph.D. thesis prize, 55. Chinese Nat. Army, 42-45, Capt. Econ. Asn; Agr. Econ. Asn; Soc. Int. Develop; Economet. Soc. Role of agriculture in economic development of underdeveloped countries, especially the mainland of China; human investment in economic development. Publ: Economic development in the Southern Piedmont, Univ. North Carolina, 58; Article: Research and education in Japanese agricultural development, Econ. Studies Quart, 63; Article: Agriculture in the industrialization of the Soviet Union and Communist China, J. Farm Econ, 67. Address: 6720 Currywood Dr, Nashville, Tenn. 37205.

TANG, PROF. PETER S(HENG) H(AO), b. Hefei, China, Apr. 11, 19; nat; m. 57; c. 3. **INTERNATIONAL RELATIONS, POLITICAL SCIENCE.** A.B. Nat. Chengchi Univ, 42; A.M. Columbia, 47, Ph.D. 52. Mem. staff, Ministry For. Affairs, China, 42-; attaché, Chinese Embassy, Moscow, 42-45; res. assoc. Asiatic studies, Southern California, 52-53; Far East & Russian Inst, Washington (Seattle), 55-56; sr. res. analyst, res. proj., Georgetown, 57-59, lectr. & adj. prof, grad. sch, 57-62; PROF. POLIT. SCI, BOSTON COL, 62- Exec. dir., Res. Inst. Sino-Soviet Bloc, D.C. & Mass, 59-; vis. prof., Indiana, 62. Polit. Sci. Asn; Asn. Adv. Slavic Studies; Asn. Asian Studies; Hist. Asn; Acad. Polit. & Soc. Sci. Political, economic and social developments of Communist China; Communist Party and leadership; relations with Soviet Union, the bloc, underdeveloped countries and the West; Communist ideology; Soviet politics. Publ: Russian and Soviet policy in Manchuria and Outer Mongolia 1911-1931; Communist China today: domestic and foreign policies; Communist China: the domestic scene, 1948-1967; Seton Hall, 67. Address: Dept. of Political Science, Boston College, Chestnut Hill, Mass. 02167.

TANGERMAN, PROF. MARGARETTA SACKVILLE, b. Cleveland, Ohio, July 31, 02; m. 26. **SOCIOLOGY.** A.B. Indiana, 46; Abbott & Commonweal fel. & A.M. Chicago, 47. From case worker to chief case work superv., Lake County Dept. Pub. Welfare, Ind, 36-44, 47-49; instr., Indiana, 44-46; PROF. SOC. WORK & SOCIOL. & HEAD DEPT., VALPARAISO, 49-, dean women, 49-58. Mem. house of del. Coun. Soc. Work Ed, 61-69. Sociol. Asn; Acad. Polit. & Soc. Sci; Asn. Social Workers. Community organization; problems of old age; counseling problems on a college campus; mental health; juvenile delinquency; status of women. Address: Dept. of Social Work, Valparaiso University, 506 Freeman Bldg, Valparaiso, Ind. 46383.

TANGRI, DR. SHANTI SWAROOP, b. Rawalpindi, India, Feb. 1, 28; m. 62. **ECONOMICS.** B.Sc. Punjab, India, 48, M.A., 49; Missouri, Columbia, 54; Kansas, 54-55; Ph.D.(econ), California, Berkeley, 61. Lectr. econ, Punjab, India, 50-53; Earhart Found. fel, 56-57; assoc. soc. sci, California, Berkeley, 57-58; faculty guest & Ford Found. fel. econ, center int. affairs, Mass. Inst. Tech, 58-59; lectr. econ. & soc. sci, California, Berkeley, 59-60; asst. prof. ECON, San Francisco State Col, 60-61; Southern Methodist, 61-63; ASSOC. PROF., WAYNE STATE, 63-, faculty res. fel, summer, 67. Resources for Future-Wayne State Univ. fel, summer, 66. Consult, human rels. area files, Yale, 56-57. Econ. Asn; Asn. Asian Studies; Soc. Int. Develop; Asn. Comp. Econ. Problems of urbanization, agricultural development and population planning in underdeveloped countries; theories and practice of development planning. Publ: Ed. Command versus demand: systems for economic growth, 67 & co-ed, Capital accumulation and economic development, 67; Heath; auth. Urbanization, political stability and economic growth, In: India's urban future, Univ. California, 61. Address: 948 Mackenzie Hall, Wayne State University, Detroit, Mich. 48202.

TANHAM, DR. GEORGE K(ILPATRICK), b. Englewood, N.J., Feb. 23, 22; m. c. 3. **POLITICAL SCIENCE, HISTORY.** B.A. Princeton, 43; M.A. Stanford, 47, Belgian Am. Ed. Found. fel, 50, Ph.D.(hist. polit. sci), 51. Assoc. prof. hist. Calif. Inst. Tech, 47-55; mem. staff, soc. sci. div, Rand Corp, 55-59, asst. to pres, 59-64; assoc. dir. counterinsurgency, U.S. Agency Int. Develop, Vietnam, 64; dep. v-pres, Rand Corp, 65-68; MINISTER COUNSR. COUNTER INSURGENCE, U.S. EMBASSY, THAILAND, 68- Ford Found. fel, Oxford, 52-53; Soc. Sci. Res. Coun. res. grants, 55-57. Mem. adv. cmt. govt. prog. behav. sci, Nat. Acad. Sci, 65- U.S.A. 43-46, Capt. Coun. For. Rels; Inst. Strategic Studies. Military history; operations research; area study of Southeast Asia. Publ: War without guns: American civilians in rural Vietnam, 66 & Communist revolutionary warfare: the Vietnam in Indochina, rev. ed, 67, Praeger. Address: U.S. Embassy, APO San Francisco 96346.

TANIGUCHI, PROF. IZUMI, b. Stockton, Calif, Feb. 3, 28; m. 60; c. 1. **ECONOMICS, STATISTICS.** B.B.A. Houston, 52, M.B.A. 54; fel, Texas, 59.

- Asst. econ. statist. bur. bus. res, Houston, 53-54, instr. econ. 56; statist. analyst, Anderson Clayton & Co, 54-56; asst. ECON, Texas, 56-59, lectr. 59-60, res. assoc. bur. bus. res., 58; ASST. PROF, Missouri, Columbia, 60-63; FRESNO STATE COL, 63- U.S.A. 46-49, Sgt. Econ. Asn; Asn. Asian Studies; Asn. Evolutionary Econ. International economics and capital formation in economic development. Address: Dept. of Economics, Fresno State College, Fresno, Calif. 93726.
- TANNENBAUM, PROF. ABRAHAM J(OSEPH)**, b. New York, N.Y., Jan. 5, 24; m. 61. EDUCATIONAL & SOCIAL PSYCHOLOGY. B.A. Brooklyn Col, 46; M.A. Columbia, 48, Ph.D. 60. Instr. ed, Brooklyn Col, 55-59; coordinator ed. for gifted, State Ed. Dept. N.Y. 59-60; asst. dean grad. sch. ed, Yeshiva, 60-61, assoc. prof. ed. & assoc. dean, 61-65, coordinator ed, mobilization for youth prof, 62-65; assoc. prof. SPEC. ED. TEACHERS COL, COLUMBIA, 65-67, PROF, 67-. ASST. DIR. RES. & DEMONSTRATION CENTER FOR ED. OF HANDICAPPED, 67- Asst. Horace Mann-Lincoln Inst. Sch. Exp. teachers col, Columbia, 54-59; dir, practicum on gifted child, Brooklyn Col, 59; Fulbright lectr. & res. fel. ed. & psychol, Hebrew Univ, Israel, 68-69. Consult, Sci. & Art Camps for Gifted, 62, res. consult, U.S. Off. Ed, 65-; Mobilization for Youth, 65-67; Training Resources for Youth, 66-67; Off. Econ. Opportunity, 67-; Joint Cmn. Ment. Health, 67- Mem. cmt. exp. progs, State Ed. Dept. N.Y. 60. Psychol. Asn; Coun. Except. Children. Training indigenous non-professionals to provide educational and social services in slum areas; developing and testing a prescriptive teaching program for slum pupils. Publ: Adolescents' attitudes toward academic brilliance; Dropout or diploma, Teachers Col, 66; co-auth, Education of the disadvantaged, Holt, 67. Address: 787 Caffrey Ave, Far Rockaway, N.Y. 11691.
- TANNENBAUM, DR. ARNOLD S(HERWOOD)**, b. Bayonne, N.J., Dec. 17, 25; m. 50; c. 4. SOCIAL PSYCHOLOGY. B.S.E.E, Purdue, 45; Maxwell fel, 49; Ph.D. (psychol), Syracuse, 54. Asst. study dir. SURV. RES. CENTER, MICHIGAN, 49-53, study dir, 53-63, res. assoc, 56-58, asst. prog. dir, 58-60, PROG. DIR, 60-, PROF. PSYCHOL, UNIV, 67-, lectr, 62-63, assoc. prof, 63-67. U.S.N.R. 45-47, Ens. Psychol. Asn; Sociol. Asn. Study of organizational behavior. Publ: Social psychology of the work organization, Wadsworth, 66; Control in organizations, McGraw, 68; Event structure approach to social power and to the problem of power comparability, Behav. Sci. Address: Institute for Social Research, University of Michigan, Ann Arbor, Mich. 48103.
- TANNENBAUM, PROF. PERCY H(YMAN)**, b. Montreal, Que, May 31, 27; m. 48; c. 2. SOCIAL PSYCHOLOGY. B.Sc, McGill, 48; M.S. Illinois, 51, Ph.D.(commun), 53. Asst. prof. commun, Mich. State, 53-54; res. asst. prof, inst. commun. res, Illinois, 54-59; assoc. prof. & dir. mass commun. res. center, Wisconsin, 59-67; PROF. COMMUN. & PSYCHOL, PENNSYLVANIA, 67- Chmn, Soc. Sci. Res. Coun. Seminar Commun. Res, 57; mem. faculty, Salzburg Seminar Am. Studies, Austria, 64; fel, Center Adv. Study in Behav. Sci, 65-66. Consult, Nat. Sci. Found. Panel Soc. Psychol, 65- AAAS; Psychol. Asn; Asn. Ed. Journalism. Attitude change and measurement; psycholinguistics; mass media effects. Publ: Measurement of meaning; co-auth, Theories of cognitive consistency, Rand McNally, 68; auth, Principle of congruity in the prediction of attitude change, Psychol. Rev. Address: Annenberg School of Communications, University of Pennsylvania, 3620 Walnut St, Philadelphia, Pa. 19104.
- TANNENBAUM, PROF. ROBERT**, b. Cripple Creek, Colo, June 29, 15; m. 45; c. 2. BEHAVIORAL SCIENCE. A.B. Chicago, 37, M.B.A. 38, Ph.D. 49. Res. asst. & teaching fel, Chicago, 39-42, asst. prof. indust. rels, 46-48; asst. prof. personnel mgt. & indust. rels, GRAD. SCH. BUS. ADMIN. & asst. res. economist, INST. INDUST. RELS, CALIFORNIA, LOS ANGELES, 48-51, assoc. prof. & assoc. res. economist, 51-57, prof. & res. economist, 57-65, PROF. BEHAV. SCI, 65-, RES. BEHAV. SCIENTIST, 62- V.chmn. dept. bus. admin, 60-65. Vis. prof, Inst. Post-Universitario per lo Studio dell'Organizzazione Aziendale, Turin, Italy, 58; fel, Inst. Behav. Sci, Nat. Training Labs. Consult, Norwegian Prod. Inst, 58. U.S.N. 43-46, Lt. Indust. Rel. Res. Asn; Econ. Asn; Psychol. Asn; Sociol. Asn. Behavioral sciences; human relations; sensitivity training; personnel management. Publ: Co-auth, Leadership and organization: a behavioral science approach, McGraw, 61, Sensitivity training and being motivated, J. Humanistic Psychol, spring 63 & Values, man and organizations, In: Proceedings of the McGregor Conference on Organization Development, McGraw, (in press). Address: Graduate School of Business Administration, University of California, Los Angeles, Calif. 90024.
- TANNER, DR. B(ERTRAND) WILLIAM**, b. Toledo, Ohio, Sept. 21, 22; m. 41; c. 1. PSYCHOLOGY. B.Ed, Toledo, 48; fel. & Ph.D.(psychol), N.Y. Univ, 53. Instr. psychol, Toledo, 48-49; N.Y. Univ, 49-50; CONSULT. PSYCHOLOGIST, 50-; DIR. B.W. TANNER & ASSOCS, 57- Sr. staff psychologist, Toledo State Hosp, 50-; partner, Sautter, Tanner & Rogers, 56-57. U.S.A.A.F, 42-45. AAAS; Psychol. Asn; Nat. Soc. Study Ed. Personality evaluation. Address: 650 S. Detroit Ave, Toledo, Ohio 43609.
- TANNER, PROF. CLARA LEE**, b. Biscoe, N.C., May 28, 06; m. 36; c. 1. ANTHROPOLOGY. A.B. Arizona, 27, M.A. 28; Nat. Univ. Mexico, 29; Chicago, 34. Instr. ANTHROP, ARIZONA, 28-35, asst. prof, 35-57, ASSOC. PROF, 57- Anthropol. Asn; Soc. Am. Archaeol; Ethnol. Soc. Southwest Indian art; modern Indian water color art; prehistoric Southwest Indian art and contemporary Southwest Indian craft arts. Publ: Southwest Indian painting, Ariz. Silhouettes & Univ. Arizona, 57; Southwest Indian craft arts, Univ. Arizona, 4/58. Address: Dept. of Anthropology, University of Arizona, Tucson, Ariz. 85721.
- TANNER, PROF. GILBERT LOREN**, b. Alida, Sask, Oct. 22, 20; nat; m. 46; c. 2. GEOGRAPHY. B.S. Wisconsin State Col.(Eau Claire), 42; M.S. Wisconsin, 48, 55-56. Cartographer, U.S. Govt, 48-49; ASST. PROF. GEOG, WIS. STATE, EAU CLAIRE, 51- U.S.N.R. 44-46. Asn. Am. Geog; Nat. Coun. Geog. Ed. Land forms; climate; cartography; geography teaching materials. Publ: Selected climographs, Cartog. Inst, 64. Address: 330 Garfield, Eau Claire, Wis. 54701.
- TANNER, PROF. WILSON P(ENNELL)**, JR, b. New York, N.Y., Dec. 23, 12; m. 40; c. 4. PSYCHOLOGY. A.B. Wesleyan, 42; A.M. Florida, 49; fel, Michigan, 49-52, Ph.D.(psychol), 60. Instr, MICHIGAN, 52-53, res. assoc,
- 52-56, task engr, res. inst, 56-64, assoc. res. psychologist, 56-59, res. psychologist, 59-64, lectr. elec. eng, 60-64, PROF. PSYCHOL, UNIV, 64- U.S.N.R. 43-45. Fel. Acoustical Soc; Psychonomics Soc; Cybernetics Asn. Applications of decision theory; theory of signal detectability to psychoacoustics; general systems theory. Address: Dept. of Psychology, University of Michigan, Ann Arbor, Mich. 48104.
- TANNIAN, DR. FRANCIS XAVIER**, b. Boston, Mass, Dec. 5, 33; m. 62; c. 3. ECONOMICS. A.B. Boston Col, 55, M.A. 60; Reim Found. fcls, Virginia, 59-61, Thomas Jefferson fel, 61-62, Ph.D.(econ), 65. Instr. econ, Duquesne, 62-63, asst. prof, 63-66; economist URBAN AFFAIRS, DELAWARE, 66-67, SR. ECONOMIST, 67- Consult, Philco-Techrep, Pa, 65-66; United Planning Orgn, Wash, D.C. 66. U.S.A. 56-58. Econ. Asn; Finance Asn; Acad. Polit. & Soc. Sci. Local public and private decision making; cost benefit analysis of public facilities and services; state and local fiscal theory and policy; applications of microeconomic theory. Publ: Parks and recreation in Wilmington, 67, co-auth, City of Wilmington water system, 67 & The Wilmington port, 68, Univ. Delaware. Address: University of Delaware College of Business & Economics, Newark, Del. 19711.
- TANNOUS, DR. AFIF I**, b. Bishmizzeen, Lebanon, Sept. 25, 05; nat; m. 41; c. 2. AGRICULTURAL ECONOMICS. B.A. American Univ. Beirut, 29; M.A. St. Lawrence, 38; Ph.D.(rural sociol), Cornell, 40. Instr. sociol. & researcher, Minnesota, 40-43; AGR. ECONOMIST, U.S. DEPT. AGR, 43-, AREA OFFICER, NEAR EAST & AFRICA, 61-, chief Africa-Mid East Br, 56-61. Lctr, sch. adv. int. studies & grad sch, U.S. Dept. Agr, 43-51; dep. dir, U.S. Opers. Mission, Lebanon, 51-54; coordinator, U.S. Dept. Agr. Serv, Int. Coop. Admin, 54-61. Mem. U.S. Agr. Mission to Mid. East & Food & Agr. Orgn. Mission to Greece, 46; UN Econ. Surv. Mission to Mid. East, 49; U.S. Rural Improvement Task Force, Egypt, 53; dep. dir. U.S. Agr. Exhibit, Cairo, 61. Unit award for superior serv, U.S. Dept. Agr, 62. AAAS; Rural Sociol. Soc; fel. Am. Geog. Soc; Soc. Appl. Anthropol. Asn; Agr. Econ. Asn; Soc. Int. Develop; Mid. East Inst. Cultural dynamics; rural organization. Publ: Assumptions and implications of community development in underdeveloped countries, Human Orgn; Bond with the earth, In: Yearbook of agriculture, U.S. Dept. Agr, 64; Organizing science and technology for agricultural development, In: American Univ. Beirut Conf. Proc, Cambridge Univ, 68. Address: 6912 Oak Court, Annandale, Va. 22003.
- TANOFSKY, DR. ROBERT**, b. Boston, Mass, Dec. 20, 30; m. 61. PSYCHOLOGY. B.S. Massachusetts, 52, M.S. 54; scholar, Rochester, 54-57, Ph.D. (indust. psychol), 58. Asst. psychol, Rochester, 54-57; asst. staff psychologist, METROP. LIFE INS. CO, 57-58, staff psychologist, 58-67, MGR. SALES PERSONNEL RES, 67- Lctr, Baruch Sch. City Col. New York, 61- AAAS; Psychol. Asn. Personnel selection; evaluation and training; criterion problems, especially supervisor or management criteria; employee job satisfaction; motivation and morale; consumer research. Publ: Co-auth, Responses to inkblots as measures of individual differences, J. Consult. Psychol. Address: 39 Sheldrake Ave, Larchmont, N.Y. 10538.
- TANSILL, DR. WILLIAM R(AYMOND)**, b. Washington, D.C., Jan. 1, 16; m. 41; c. 1. INTERNATIONAL RELATIONS. B.A. George Washington, 38, A.M. 40; Ph.D. Georgetown, 52. Analyst. Am. govt, LEGIS. REFERENCE SERV, LIBRARY OF CONG, 45-56, asst. chief hist. & govt, 56-67, acting chief GOVT. & GEN. RES. DIV, 67-68, SPECIALIST AM. NAT. GOVT, 68- U.S.A. 40-41. American history and territorial affairs; history and operation of United States Congress, especially in its relations with the President and Supreme Court. Publ: Hawaii and statehood; Concept of civil supremacy over the military in the United States; Guam and its administration. Address: Government & General Research Division, Legislative Reference Service, Library of Congress, Washington, D.C. 20540.
- TANTER, DR. RAYMOND**, b. Chicago, Ill, Sept. 19, 38; div; c. 1. POLITICAL SCIENCE. B.A. Roosevelt, 61; M.A. & Ph.D.(polit. sci), Indiana, 64. Asst. prof. POLIT. SCI, Northwestern, 64-67; ASSOC. PROF, MICHIGAN, 67- Nat. Sci. Found. res. grant, 66-; dep. dir. behav. sci, adv. res. projs. agency, U.S. Dept. Defense, 67-68; vis. assoc. prof, Stanford, 68. Consult, systs. anal, U.S. Defense Dept, 66-; Rand Corp, 68-; U.S. Agency Int. Develop, 68-; Inst. Defense Anal, 68- Polit. Sci. Asn. International politics and organization; international aspects of domestic strife. Publ: Dimensions of conflict behavior, 3/66 & co-auth, A theory of revolution, 9/67, J. Conflict Resolution; auth, Toward a theory of political development, Midwest J. Polit. Sci, 5/67. Address: Dept. of Political Science, University of Michigan, Ann Arbor, Mich. 48104.
- TAOKA, PROF. GEORGE M(AZUMI)**, b. Watsonville, Calif, Apr. 20, 17; m. 42; c. 2. ECONOMICS. A.B. Stanford, 40, M.A. 42; Ph.D. Columbia, 55. Instr. commerce, TOLEDO, 48-49, asst. prof, 49-55, assoc. prof, 55-59, PROF. FOR. TRADE & TRANSPORTATION, 59-, CHMN. DEPT, 53-, CHMN. DEPT. BUS. ECON, 67- Ford Found. grant int. bus, N.Y. Univ, 64. U.S.A. 44-46, Res, 51- Econ. Asn; Economet. Soc; Finance Asn; Asn. for Ed. Int. Bus. Money and banking; international trade, finance and business. Address: Dept. of Business Economics, University of Toledo, Toledo, Ohio 43606.
- TAPLEY, PROF. EARL M(AYS)**, b. Marietta, Ga, Nov. 8, 13; m. 35; c. 3. EDUCATION, PSYCHOLOGY. B.A. Vanderbilt, 45; M.A. Peabody Col, 46; Ph.D.(ed. & psychol), Chicago, 55. Prof. psychol. & Eng. & dean, Lee Col, 46-50, v.pres, 50-53; dir. spec. serv, Chattanooga, 53-57, assoc. prof. ed. & psychol, 55-57; PROF. ED. EVANSVILLE, 57-, HEAD DEPT, 60-, DIR. GRAD. DIV, 64-, DEAN, 68- Consult. psychologist, Chattanooga Elec. Serv, 55-; workshop econ. ed, Purdue, 60- Preparation for teaching general education in junior college; analysis of factors in aptitude for electrical work; methods of providing general education in specialized college curricula. Address: 1700 Bayard Park Dr, Evansville, Ind. 47714.
- TAPP, DR. JACK T**, b. Clinton, Ill, Aug. 23, 34; m. 54; c. 5. PSYCHOLOGY. B.S. Illinois, 56, M.A. 58, Ph.D.(psychol), 61. Asst. PSYCHOL, Illinois, Urbana, 56-61; U.S. Pub. Health Serv. fel, California, Berkeley, 61-62; from asst. to ASSOC. PROF, VANDERBILT, 61- AAAS; Psychonomic Soc. Address: Dept. of Psychology, Vanderbilt University, Nashville, Tenn. 37203.

- TAPP, DR. JUNE LOUIN, b. New York, N.Y., June 11, 29; m. 49; c. 2. SOCIAL PSYCHOLOGY. B.A., Southern California, 51, Anti-Defamation League grant, 51-52, M.S., 52; D.S.Sc. (social. psychol.), Syracuse, 63. Res. asst. polit. sci., Southern California, 47-50; instr. psychol. & ed. psychol., St. Lawrence, 52-55, admin. asst. crime inst., 54-60; asst. prof. psychol., Harvey Mudd Col., 61-64; asst. prof. & res. assoc. cmt. human develop., CHICAGO, 64-67, LECTR. SOC. SCI., 67-; SR. RES. SOC. SCIENTIST, AM. BAR FOUND., 67- Asst. instr., Maxwell Grad. Sch., Syracuse, 55-56; tutor, Albert Schweitzer Col., Switz, 57-58. Psychol. consult., Nat. Inst. Ment. Health Col. Youth Proj., Univ. Poona, 63-64, center epidemiol. studies, Poona Col. Youth Proj., D.C., 67- AAAS; Psychol. Asn. (for. travel award, 66); Sociol. Asn.; Soc. Res. Child Develop. Cross- or sub-cultural research and methodology—in the determinants of personality and ideology; authoritarian or democratic dimensions of personality and developmental aspects of moral and legal attitudes, approached inter-disciplinarily, focusing on human behavior developmentally and comparatively. Publ: Children can understand rumor, Soc. Ed., 4/53; An integrated schema for cross-cultural analysis of behavior and motivation, Proc. Int. Cong. Psychol., 8/66; co-auth, An evaluation of the effectiveness of a community-based manpower training program, Final Res. Report, Manpower Admin., U.S. Dept. Labor, 5/67. Address: 5830 Stony Island, Apt. 14-A, Chicago, Ill. 60637.
- TAPPAN, PROF. PAUL W (ILBUR), Sociol., Law, see 10th ed, Soc. & Behav. Vols., deceased 64.
- TAPPEN, PROF. N (EIL) C (AMPBELL), b. Jacksonville, Fla., Feb. 26, 20; m. 52; c. 2. ANTHROPOLOGY. Ph.D. (anthrop), Chicago, 52. Res. assoc., Michigan, 51-52; assoc., Pennsylvania, 52-53, instr., 53-54; anat., Emory, 54-55, asst. prof., 55-59; assoc. prof. phys. anthrop., Tulane, 59-65; PROF. ANTHROP., WISCONSIN, MILWAUKEE, 65- Fulbright sr. res. fel., Uganda, 56-57. Mem. cmn. nonhuman primate behav., Nat. Res. Coun., 61-66; adv. cmt. primate prop., Smithsonian Inst., 65-66. U.S.A.A.F., 41-42; U.S.N., 42-46, Lt. AAAS; Anthrop. Asn.; Asn. Phys. Anthropol.; African Studies Asn.; Anat. Soc. Study Evolution; Int. Primatol. Soc. Organization of bone; non-human primates; human evolution; anatomy. Publ: Mechanistic theory of human evolution, Am. Anthropologist; Problems of distribution and adaptation of the African monkeys, Current Anthropol; co-auth, Some relationships between split-line patterns and underlying structure in primate skeletons, In: Progress in primatology, Stuttgart, 67. Address: Dept. of Anthropology, University of Wisconsin, Milwaukee, Wis. 53201.
- TAPPER, GEORGE A (RCHER), Indust. Rels., see 10th ed, Soc. & Behav. Vols.
- TARASCIO, DR. VINCENT JOSEPH, b. Hartford, Conn., Feb. 5, 30; m. 49; c. 4. ECONOMICS. B.A., San Jose State Col., 61; Ph.D. (econ), Rice, 66. Lectr. ECON., NORTH CAROLINA, CHAPEL HILL, 64-66, ASST. PROF., 66-Adj. Gen. C., U.S.A., 47-48. Econ. Asn. Economic theory; history of economic thought; methodology. Publ: Pareto's methodological approach to economics, Univ. North Carolina, 68; Léon Walras: on the occasion of the publication of his correspondence and related papers, South. Econ. J., 7/67. Address: Dept. of Economics, University of North Carolina, Chapel Hill, N.C. 27514.
- TARBELL, DR. J (OHN) HAROLD, b. Milford, N.H., July 3, 01. FINANCE. A.B., Syracuse, 23, A.M., 24, Ph.D., 34. Assoc., Illinois, 37-39; instr. finance, U.S. Army Univ. France, 45-46; assoc. prof., LAFAYETTE COL., 46-66, dir. overseas study prog., sch. int. affairs, 49-66, EMER. ASSOC. PROF. ECON., 66- Lectr., Lehigh, 48-49; scholar, Fedn. Univ. Int., Switz; fel., Maxwell Sch. Citizenship & Pub. Affairs; dir., Vet. Investment Res. Found., Inc., 49-; pres., Growth Fund Am., 64-; vis. prof., World Campus Afloat, Chapman Col., 66-68. Consult., 24-; financial adv., Central Bank India, 50-63. Trustee, Palmer Found., 60-; Hong Kong Christian Col., 65- U.S.A.A.F., 42-46. Finance Asn.; Econ. Asn. Domestic and foreign finance and investments; statistical indexes of the purchasing power of consumers; aspects of regulating the New York Stock Exchange. Publ: Co-auth, The changing Soviet school, Harper, 59. Address: 312 Taylor Ave., Easton, Pa. 18042.
- TARJAN, DR. GEORGE, Psychiat., see 11th ed, Phys. & Biol. Vols.
- TARR, DR. DAVID W., b. Melrose, Mass., July 25, 31; m. 53; c. 2. POLITICAL SCIENCE. B.A., Massachusetts, 53; M.A., Chicago, 56, Ph.D. (polit. sci.), 61. Instr. polit. sci., Amherst & Mt. Holyoke Colls., 58-59; analyst nat. defense, Legis. Reference Serv., Library Cong., 59-62; res. assoc., Wash. Center For. Policy Res., 62-63; ASSOC. PROF. POLIT. SCI., WISCONSIN, 63-; DIR. NAT. SECURITY STUDIES GROUP, 66- Rockefeller res. grant, 62-63. U.S.A., 53-55, 1st Lt. Polit. Sci. Asn. International politics; United States national defense and foreign policies; strategic studies. Publ: American strategy in the nuclear age, Macmillan, 66; Military technology and the policy process, West. Polit. Quart., 3/65; The American military presence abroad, Orbis, fall 65. Address: 10 Shepard Terr., Madison, Wis. 53705.
- TARSHIS, PROF. LORIE, b. Toronto, Ont., Mar. 22, 11; nat; m. 49; c. 3. ECONOMICS. B. Comm., Toronto, 32; B.A., Cambridge, 34, M.A., 38, Ph.D., 39. PROF. ECON., STANFORD, 47-; DIR. UNDERGRAD. STUDY, 66-; exec. chmn. dept. econ., 47-66. Econ. Asn. Business saving and national income; international price ratios. Publ: Elements of economics; International trade and finance. Address: Dept. of Economics, Stanford University, Stanford, Calif. 94305.
- TART, DR. CHARLES T (HEODORE), b. Morrisville, Pa., Apr. 29, 37; m. 58; c. 2. PSYCHOLOGY. B.A., North Carolina, 60, U.S. Pub. Health Serv. fel., 61-63, M.A., 62, Ph.D. (psychol.), 63. U.S. Pub. Health Serv. fel. psychol., Stanford, 63-65; instr. psychiat., Virginia, 65-66; ASST. PROF. PSYCHOL., CALIFORNIA, DAVIS, 66- Lectr., Stanford, 64-65; prin. investr., U.S. Pub. Health Serv. res. grant, 67-70. Mem. adv. bd., Esalen Inst., 64- Award best hypnosis res., Soc. Clin. & Exp. Hypnosis, 66; dipl. exp. hypnosis, Am. Bd. Exam. Psychol. Hypnosis, 68. Psychol. Asn.; Parapsychol. Asn.; Asn. Psychophysiol. Study Sleep. Altered states of consciousness; hypnosis; sleep; dreams; psychophysiology; instrumentation; parapsychology; psychedelic drug effects. Publ: Altered states of consciousness, Wiley, 69; Toward the experimental control of dreaming, 65 & The hypnotic dream: methodological problems and a review of the literature, 65, Psychol. Bull. Address: Dept. of Psychology, University of California, Davis, Calif. 95616.
- TARVER, PROF. JAMES D (ONALD), b. Canyon, Tex., Dec. 23, 21; m. 43. RURAL SOCIOLOGY. B.S., Texas Agr. & Mech. Col., 47; M.S., Wisconsin, 48, Ph.D. (rural sociol.), 51. Asst. prof. rural sociol., Arkansas, 50-51; Okla. State, 51-53, assoc. prof., 53-57, PROF., 57-66; SOCIOL., GEORGIA, 66- U.S.A., 42-45. Sociol. Asn.; Rural Sociol. Soc.; Pop. Asn. Population; ecology; methods. Publ: Projections of mortality in the United States to 1970, Milbank Mem. Fund Quart.; Component method of estimating and projecting state and subdivisinal populations, Okla. Agr. Exp. Sta. Misc. Pub.; Predicting migration, Soc. Forces. Address: Y-11 Callaway Garden Apts., Athens, Ga. 30601.
- TARVER, MAE GOODWIN, Statist., see 11th ed, Phys. & Biol. Vols.
- TARWATER, DR. JESSE W., Psychol., see 10th ed, Soc. & Behav. Vols.
- TASHER, PROF. LUCY LUCILE, Am. Hist., see 5th ed, Dir. Am. Scholars. Vol. I, Hist.
- TATE, PROF. CURTIS E., JR., b. Trezevant, Tenn., July 5, 20; m. 45; c. 2. FINANCE. BUSINESS MANAGEMENT. A.B., Bethel Col. (Tenn.), 46; M.S., Tennessee, 52. Mgr. br. plant, Keathley Pie Co., Tenn., 46-50; instr. bus. admin., Furman, 52-53; prof. bus. admin. & bus. mgr., Lander Col., 53-56; ASST. PROF. BUS. ADMIN., GEORGIA, 56- Mem. summer case seminar, Harvard Bus. Sch., 58. Dir. training prog. exec. eval., Phila. Pa. & Md. Pub. Health Dept., 63-64; exec. dir. proj., 10, Ga. State Tech. Serv., 65- Consult. to fed. state & munic. agencies & stone indust., 58- U.S.A., 42-45. Econ. Asn. Human relations; economics; investment banking; business policy; decision making rationale; application of industrial technology by Georgia firms. Publ: The Clark flying enterprises, 63 & rev. ed. 66 & County federal, 3rd ed., 67, Southern casewriters policy book, Irwin; The Georgia Marble Company A-G, Bus. Policy. Address: College of Business Administration, University of Georgia, White Ave. Bldg., Athens, Ga. 30601.
- TATE, DR. JAMES OLIVER, b. Dallas, Tex., Apr. 29, 29; m. 57; c. 4. PSYCHOLOGY. B.B.A., Southern Methodist, 53; Ford & Hogg. Found. fcls. & M.S. North Texas State, 59, N.Tex. res. grant. & Ed.D. (psychol.), 61. Supvr. acct., Bell Tel. Co., 56-58; ASSOC. PROF. PSYCHOL., E.CENT. STATE COL., 61- Psychologist, Ada Guid. Center, 62-63; Pauls Valley Guid. Center, 63-64; Okla. State Dept. Guid., 63-66; Voc. Rehab. Admin., 63-67; Oklahoma City Neuropsychiat. Clin., 67-68. U.S.A., 53-55. Psychol. Asn. Community mental health and community education. Publ: In-group and out-group sociometric choices for two groups of college students experiencing different educational procedures, Hogg Found., 59. Address: Dept. of Psychology, East Central State College, Ada, Okla. 74820.
- TATE, PROF. LELAND B (URDINE), b. Coeburn, Va., Mar. 28, 05; m. 35; c. 1. SOCIOLOGY. B.A., Emory & Henry Col., 27; M.A., Virginia, 31; Ph.D., Cornell, 34. Asst. dir. survs., Appalachian-Ozark area, res. unit, Fed. Emergency Relief Admin., D.C., 34-35; instr., Virginia, 35-37; assoc. prof. SOCIOL., VA. POLYTECH, 37-45, PROF., 46-; chmn. faculty discussion group, 38-39, v.pres. sci. club, 44-45. Exten. instr., Virginia, 37- Sociol. Asn. Social organization; leadership and group life; population analysis; community development, cultural regions, health and medical care; culture of poverty; rural-urban relations. Publ: Informal activities in community life: Rural health and medical care; The people of Virginia's Appalachian region. Address: Dept. of Sociology, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- TATE, PROF. MERLE W (ESLEY), b. Ill., Nov. 29, 03; m. 27; c. 2. EDUCATIONAL STATISTICS. A.B., Cent. Wesleyan Col., 26; M.A., Montana, 43; fcls., Harvard, 44-46, Ed.M., 46, Ed.D., 47. Supt., Gooding Pub. Schs., Idaho, 35-44; assoc. prof. Ed., Hamilton Col., 46-49; PROF., Pennsylvania, 49-65; LEHIGH, 65- Vis. res. prof., Iowa, 60-61. AAAS; Psychomet. Soc.; Psychol. Asn. Applied statistics; aptitude testing; problem solving. Publ: Statistics in education; co-auth, Nonparametric and shortcut statistics; auth, Statistics in education and psychology, Macmillan, 65. Address: Dept. of Education, Lehigh University, Bethlehem, Pa. 18015.
- TATE, PROF. MERZE, b. Blanchard, Mich., Feb. 6, 05. POLITICAL SCIENCE. B.A., Western Michigan, 27, hon. D.Litt., 48; M.A., Columbia, 30; summer cert., Geneva Sch. Int. Studies; Alpha Kappa Alpha for. fel., Oxford, 32, B.Litt., 35; Phelps Stokes grant, 34-35; summer cert., Berlin, 35; Julius Rosenwald fel., Radcliffe Col., 39-40, Ph.D., 41. Teacher, Crispus Attucks High Sch., Ind., 27-32; prof. hist. & dean women, Barber Scotia Jr. Col., 35-36; hist. & polit. sci., Bennett Col., 36-41; prof. polit. sci. & dean women, Morgan State Col., 41-42; from assoc. prof. to PROF. HIST. & POLIT. SCI., HOWARD, 42- Fulbright lectr., India, 50-51; lectr., U.S. Info. Agency, 51; summers, rep. for U.S. UNESCO Seminar on UN, 48, vis. prof., Western Michigan, 51, Wayne State, 52, Am. Coun. Learned Soc. res. grant, 59, Wash. Eve. Star res. grant, 60, Rockefeller res. grant-in-aid, 61. Hist. Asn. Disarmament; United States and Hawaii. Publ: The United States and armaments, Harvard, 48; The United and the Hawaiian Kingdom, Yale, 65; Hawaii: reciprocity or annexation, Mich. State, 68. Address: 1314 Perry St. N.E., Washington, D.C. 20017.
- TATE, PROF. ROBERT F (LEMMING), Math. Statist., see 11th ed, Phys. & Biol. Vols.
- TATE, PRES. WILLIS M (DONALD), b. Denver, Colo., May 18, 11; m. 32; c. 2. SOCIOLOGY. A.B., Southern Methodist, 32, A.M., 35; Chicago, 45; Texas, 46-50; LL.D., Tex. Wesleyan Col., 51, Centenary Col., 54, Denver, 57; L.H.D., Oklahoma City Univ., 54; hon. Sc.D., Tulsa, 59. Asst. prof. sociol., SOUTHERN METHODIST, 45-54, asst. dean students, 45-48, dean, 48-50, v.pres., Univ., 50-54, PROF. SOCIOL. & PRES., 54- Sociol. Asn. Publ: Co-auth, Human behavior in industry. Address: Southern Methodist University, Dallas, Tex. 75222.
- TATER, WILLIAM JAMES, b. Taber, Alta., July 10, 19; m. 41; c. 5. MATHEMATICAL ECONOMICS & STATISTICS. B.S.A., British Columbia, 45; fel. & M.A., Washington State, 49. Asst., Giannini Found., California, 50-51; mgr.

bus. anal. & planning, Tidewater Oil Co, 56-60; chief economist nat. oil policy, Nat. Energy Bd, Can, 60-61; mem. exec. staff defense prod, Garrett Corp, 62-64; ops. mgr. comput. sci. lab, Southern California, 64-65; sr. economist in Ceylon & Africa, Ralph M. Parsons Co, Los Angeles, 65-67; ECONOMIST, STANFORD RES. INST, 67- Can. Army, 39-45, Capt. Statist. Asn; Ops. Res. Soc; Economist. Soc. Development of computer applications to business decision problems. Publ: Land tenure in Vietnam, 3 vols, Stanford Res. Inst, 67. Address: Stanford Research Institute, 820 Mission St, South Pasadena, Calif. 91031.

TATHAM, DR. GEORGE, b. Kendal, Eng, Jan. 24, 07; m. 37; c. 2. GEOGRAPHY. B.A. Liverpool, 29, M.A. 32; Commonwealth fel, Clark, 32-34, Ph.D.(geog), 34. Lectr. geog. univ. col, London, 30-32; Birmingham, 34-35; Armstrong Col, Durham, 35-36; Univ. Col, Hull, 36-39; asst. prof, Toronto, 38-49, assoc. prof, 48-54, prof, 54-60; YORK (ONT), 60-68, dean faculty, 61-68, dean students, 62-68, MASTER, McLAUGHLIN COL, 68- Asn. Am. Geog. Regional and political geography; history of geographic thought. Address: McLaughlin College, York University, Toronto 12, Ont, Can.

TATKON, M(ARVIN) DANIEL, b. New York, N.Y., June 4, 32; m. 60. ECONOMIC GEOGRAPHY, URBAN PLANNING. B.Sc. N.Y. Univ, 54; cert, Columbia, 52; M.A. New Sch. Soc. Res, 60. DIR. GEOG. ATLAS CONFIRMING CO, INC, 54-; LECTR. NEW SCH. SOC. RES, 59- Dir. gemmology, Atlas Jewelers, Int, 53- Gemmology consult, Repub. Panama, 54, 56, 59; chief planning consult, New York Washington St. Redevelop. Prog, 60. Fel. Royal Geog. Soc. Investigations and reports on frauds against consumers, especially health foods, insurance, real estate and mail order. Publ: The great vitamin hoax, Macmillan, 68; Public utilities in American growth, In: Collier's Encyclopedia. Address: Atlas Confirming Co, Inc, 230 Fifth Ave, New York, N.Y. 10001.

TATSUOKA, PROF. MAURICE M(AKOTO), b. Shanghai, China, Feb. 1, 22; nat. m. 46; c. 2. STATISTICS, MATHEMATICS. B.S. Nagoya, 45; M.A. Peabody Col, 51; fels, Harvard, 52-56, Ed.D.(ed. statist), 56. Instr. math. & physics, Kinjo Women's Col, Japan, 48-49; asst. prof. sci. & math, Hawaii, 56-61; from assoc. prof. to PROF. ED. STATIST, COL. ED, ILLINOIS, URBANA, 61- Statist. Asn; Psychol. Asn. Multivariate analysis, especially discriminant analysis in educational and psychological statistics; mathematical learning theory, especially study of stochastic models for learning; methodology of science and mathematics education at the college level. Publ: Co-auth, Multivariate statistics for personnel classification, Wiley, 67 & Role of statistics as an aspect of scientific method in research on teaching, In: Encyclopedia of research on teaching; auth, Mathematical models in the behavioral sciences, In: Handbook of measurement and assessment in behavioral sciences, Addison-Wesley, 68. Address: Dept. of Educational Psychology, College of Education, University of Illinois, Urbana, Ill. 61801.

TATTAN, DR. JAMES V(INCENT), b. Detroit, Mich, May 5, 26; m. 49; c. 3. CLINICAL PSYCHOLOGY. B.A. Michigan, 49; Ph.D.(clin. psychol), N.Y. Univ, 54. Clin. psychologist, dept. psychiat, Receiving Hosp, Detroit, Mich, 54-59; DIR. DEPT. PSYCHOL. REHAB. INST, 59- ASST. DIR. FOR RES, 62- Dipl. Am. Bd. Exam. Prinl. Psychol, 62. U.S.A. 44-46. Psychol. Asn. Psychology of physical disability. Address: 19980 Canterbury Rd, Detroit, Mich. 48221.

TATTERSALL, DR. JAMES N, b. Congleton, Eng, Sept. 27, 27; nat. m. 50; c. 3. ECONOMICS. B.A. Washington (Seattle), 54, M.A. 56, Soc. Sci. Res. Coun. fel, 56-57, Ph.D., 60. Acting instr. ECON, Washington (Seattle), 55-56; instr, OREGON, 57-60, from asst. prof. to ASSOC. PROF, 60- Consult, State Tax Cmn, Ore, 60-62. U.S.A. 46-52, Res, 52-, Capt. Econ. Asn; Econ. Hist. Asn; Regional Sci. Asn; Brit. Econ. Hist. Soc. United States economic history, particularly the economic growth of the western United States. Publ: Importance of international trade to Oregon, Monogr, Bur. Bus. Res. Study, Univ. Oregon; River basin development and Pacific Northwest economic growth & Performance of the Oregon economy, 1950-1960, Proc. West. Econ. Asn. Address: Dept. of Economics, University of Oregon, Eugene, Ore. 97403.

TATUM, DR. JULIEN RUNDELL, b. Meridan, Miss. Feb. 24, 10; m. 38; c. 2. SOCIOLOGY, ANTHROPOLOGY. B.A. Mississippi, 38; fel, La. State, 38-39, M.A. 39, Ph.D.(sociol, anthrop), 48; Minnesota, 41-42. Res. asst. rural sociol, La. State, 39-41, instr. rural econ. & sociol, 42-45; asst. prof. SOCIOL. & ANTHROP, MISSISSIPPI, 46-48, assoc. prof, 48-52, PROF, 52-, CHMN. DEPT, 56-, consult. dept. psychiat, sch. med, 56, dir. urban inst, 64. Mem. bd. dirs, Mississippi Childrens Home Soc, 49- Sociol. Asn; Archaeol. Inst. Am. Urban and rural sociology; race relations; demography; social problems. Address: Dept. of Sociology & Anthropology, University of Mississippi, University, Miss. 38677.

TATZ, PROF. SHERMAN J(OSEPH), b. Philadelphia, Pa, July 3, 24; m. 60; c. 4. PSYCHOLOGY. B.A. Temple, 47, M.A. 49; Ph.D.(psychol), Yale, 56. From instr. to asst. prof. PSYCHOL, Adelphi Col, 55-60; from lectr. to instr, Hunter Col, 60-62; assoc. prof, C.W. POST COL, LONG ISLAND, 62-67, PROF, 67- Psychol. Asn. Experimental and comparative psychology; learning theory; personality theory; psychology of music. Publ: Symbolic activity in learning without awareness, Am. J. Psychol; collab, Effect of rating difference on symptom rating scale clusters, J. Consult. Psychol; co-auth, Practice effects, knowledge of results and transfer in pitch discrimination, U.S. Naval Training Device Center, 4/66. Address: Dept. of Psychology, C.W. Post College, Greenvale, N.Y. 11548.

TAUB, DR. NORMAN, Psychiat, see 11th ed, Phys. & Biol. Vols.

TAUBE, DR. EDWARD, Geog, see 10th ed, Soc. & Behav. Vols.

TAUBENBLATT, SELIG A, b. Brooklyn, N.Y., Apr. 6, 27; m. 55; c. 1. ECONOMICS. B.A. Brooklyn Col, 50; M.A. Michigan, 51, Ford Found. fel, 54-55. Economist, U.S. Dept. State, 51-53, 55-59; asst, Michigan, 54; instr, Vassar Col, 54-55; sr. loan officer for southeast Asia, U.S. Develop. Loan Fund, 59-61; dep. dir, capital develop. & finance staff, Far East Bur, U.S.

AGENCY INT. DEVELOP, 61-63, DIR, OFF. CAPITAL DEVELOP. & FINANCE, E.ASIA BUR, 63- U.S.N. 45-46. Econ. Asn. Banking and international finance; economic development; international economics; Japanese, Southeast Asian and Korean economic relations. Address: 5807 Conway Rd, Bethesda, Md. 20034.

TAUBER, DR. KURT P(HILIP), b. Vienna, Austria, Oct. 6, 22; nat. m. 44; c. 1. POLITICAL SCIENCE. S.B. Harvard, 46, A.M. 48, fel. 48-51, Ph.D. (polit. sci), 51. Tutor govt, Harvard, 48-51; field dir. blood typing, inst. labs, State Dept. Pub. Health, Mass, 52-53; instr. POLIT. SCI, Buffalo, 53-55, asst. prof, 55-60; WILLIAMS COL, 60-64, ASSOC. PROF, 64- Fulbright sr. res. scholar, Germany, 56-57; fel, Am. Coun. Learned Soc, 64-65; Philos. Soc, 64-65; Guggenheim Found, 68-69. Mem. Cmt. Effective For. Aid Prog, 55-56. U.S.A.F. 43-46, Capt. Polit. Sci. Asn; Soc. Polit. & Legal Philos. Theory and practice of nationalism and nationalist radicalism; political theory and philosophy; methodology of the social sciences; comparative political institutions; jurisprudence. Publ: Beyond eagle and swastika: German nationalism since 1945, 2 Vols, Wesleyan Univ, 67; German nationalists and European union, Polit. Sci. Quart; Aspects of nationalist-communist collaboration in post-war Germany, J. Cent. European Affairs. Address: Dept. of Political Science, Williams College, Williamstown, Mass. 01267.

TAULBEE, DR. EARL S(ELDON), b. Ky, Mar. 22, 23. CLINICAL PSYCHOLOGY. A.B. Georgetown Col, 48; Ph.D.(clin. psychol), Nebraska, 53. Asst. chief clin. psychologist, Norfolk State Hosp, Nebr, 53-55, chief clin. psychologist, 58-59; Vet. Admin. Ment. Hyg. Clin, Omaha, Nebr, 55-58, VET. ADMIN. HOSP, Lincoln, 59-63, CHIEF PSYCHOL. SERV, TUSCALOOSA, ALA, 63- Instr, Norfolk Jr. Col, 54-55; from clin. asst. to instr, col. med, Nebraska, 54-59. U.S.A.A.F. 42-45. Fel. Psychol. Asn; fel. Soc. Proj. Tech. Personality assessment; behavior modification; training; community psychology. Publ: Use of the Rorschach test for evaluating the intellectual levels of functioning in schizophrenics, J. Proj. Tech; Rorschach card rejection in normal and psychiatric groups, J. Clin. Psychol; Relationship between certain personality variables and continuation in psychotherapy, J. Consult. Psychol. Address: Veterans Administration Hospital, Tuscaloosa, Ala. 35401.

TAUS, PROF. ESTHER R(OGOFF), b. New York, N.Y., Feb. 20, 14; m. 40; c. 3. ECONOMICS. A.B. Hunter Col, 34; A.M. Columbia, 36, Ph.D., 42. From instr. to ASST. PROF. ECON, HUNTER COL, 38- Econ. Asn. American economic history. Publ: Central banking functions of the United States Treasury, 1789-1941; Role of the U.S. Treasury in stabilizing the economy during World War II and the postwar. Address: 1882 Grand Concourse, New York, N.Y. 10457.

TAUSKY, DR. CURT, b. Vienna, Austria, Aug. 19, 33; U.S. citizen; m. 58; c. 2. SOCIOLOGY. B.A. Portland State Col, 59; Ford Found. fel. & Ph.D. (sociol), Oregon, 63. ASST. PROF. SOCIOL, Nebraska, 63-65; MASSACHUSETTS, 65- RES. ASSOC, LABOR RELS. & RES. CENTER, 66- Co-prin. investr, U.S. Pub. Health Serv. res. grant, 66-68. U.S.A.F. 53-56. Sociol. Asn; Can. Sociol. & Anthropol. Asn; Soc. Study Social Probs. Sociology of organizations; sociology of work. Publ: Parsons on stratification, Sociol. Quart, spring 65; co-auth, Career anchorage: managerial mobility motivation, Am. Sociol. Rev, 10/65 & The sampling of behavior, Am. Sociologist, 2/68. Address: Dept. of Sociology, University of Massachusetts, Amherst, Mass. 01002.

TAUSSIG, PROF. RUSSELL, Econ, see 10th ed, Soc. & Behav. Vols.

TAVES, PROF. M(ARVIN) J, Sociol, see 10th ed, Soc. & Behav. Vols. Latest known address: 5921 S.W. 63rd Court, South Miami, Fla. 33493.

TAWADROS, DR. MILAD ABDEL-MALAK, b. Cairo, Egypt, Jan. 19, 30; m. 52; c. 3. ECONOMICS, ECONOMETRICS. B.Com, Ain Shams Univ, Cairo, 50, dipl. econ, 53, M.Com, 59; dipl. taxation, Cairo, 52; dipl. econ, Higher Inst. Econ, Egypt, 60; M.B.A. Iowa, 65, Ph.D.(econ), 66. Teacher, commercial & sec. schs, Egypt, 50-57; sr. master, 57-58; instr. ECON, Higher Inst. Commerce, Egypt, 58-62; ASST. PROF, Wis. State, 66-67; INDIANA, SOUTH BEND, 67- Econ. Asn; Economist. Soc. Microeconomic theory; statistics; quantitative economics; economic development. Address: 1411 Northside Blvd, South Bend, Ind. 46615.

TAX, PROF. SOL, b. Chicago, Ill, Oct. 30, 07; m. 33; c. 2. ANTHROPOLOGY. Ph.B. Wisconsin, 31; Ph.D.(anthrop), Chicago, 35. From investr. to ethnologist, Carnegie Inst, 34-46; res. assoc. ANTHROP, CHICAGO, 40-46, assoc. prof, 46-48, PROF, 48-, chmn. dept, 55-58. Res. assoc. Wenner-Gren Found. Anthropol. Res, 61-; participant, Nat. Sci. Found. re-study Guatemalan Indians, 63-67. Consult, U.S. Off. Ed, 65-; adv. to secy, Smithsonian Inst. Anthropol, 66- Ed, Am. Anthropologist, 52-55; Current Anthropol, 59-; anthrop, Viking Fund Pubs, 60- Mem, U.S. Nat. Cmn. for UNESCO, 60-66; coordinator, Am. Indian Conf, Ill, 61; dir, Carnegie Corp. cross-cultural ed. proj, 62-67; mem. bd. dirs, Coun. Study Mankind, 65-; The Bridge, A Center Adv. Intercultural Ed, 65-; mem. cmt. int. rels. in behav. sci, Nat. Res. Coun, 67- Viking Fund medal anthropol, 61. Fel. AAAS; fel. Anthropol. Asn; Soc. Appl. Anthropol; Am. Soc. Anthropol. & Geog; fel. Folklore Soc; hon. fel. Royal Anthropol. Inst. Gt. Brit. & Ireland; Mex. Anthropol. Soc; hon. fel. Chilean Anthropol. Soc; hon. mem. Slovakian Anthropol. Soc. Social anthropological theory; middle American ethnology; experimental anthropology. Publ: Penny capitalism, a Guatemalan Indian economy; ed, Appraisal of anthropology today & Evolution after Darwin, (3 Vols). Address: Dept. of Anthropology, University of Chicago, Chicago, Ill. 60637.

TAYLER, PROF. WILLIAM LONSDALE, b. St. Louis, Mo, Dec. 21, 99; m. 29. POLITICAL SCIENCE. A.B. Texas, 27; A.M. American Univ, 28; A.M. Columbia, 29, Ph.D., 35; Carnegie fel, Inst. Univ. de Hautes Etudes Int, Geneva, 30-31; Univ. Obrera, Mex, 41; dipl. Inter-Am. Acad. Comp. & Int. Law, Cuba, 48. Instr. sch. commerce, acct. & finance, N.Y. Univ, 36-38; asst. prof. polit. sci, Queens Col.(N.Y.), 38-40; assoc. prof. hist. & polit. sci, Berea Col, 40-41; polit. sci, Maxwell Grad. Sch, Syracuse, 41-42; mem. bd. econ, warfare, For. Econ. Admin, 42-46; prof. polit. sci. & chmn. dept, Dickinson Col, 47-61, Weaver prof, 53-61; prof. int. affairs, U.S. Army War Col. Ex-

ten, George Washington, 61-66, dir. grad. center, 63-66; PROF. HIST. & POLIT. SCI. ANNURST COL, 66- Vis. lectr. Columbia, 39; dean overseas div, Am. Int. Col. 50-52; vis. prof. Univ. Col. Rhodesia & Nyasaland, 57; U.S. Dept. State lectr. Mid. East, Singapore & New Zealand, 59. Mem. int. secretariat, UN Conf. Int. Orgn. San Francisco, 45. U.S. Dept. Army outstanding civilian serv. medal, 66. Fel. AAAS; fel. Am. Studies Assn; Soc. Int. Law; Malawi Soc. International relations: federal states and labor treaties. Address: Old Turnpike, Woodstock Valley, Conn. 06282.

TAYLOR, PROF. ALASTAIR MacDONALD, b. Vancouver, B.C., Mar. 12, 15; m. 44; c. 3. INTERNATIONAL RELATIONS, GEOGRAPHY. B.A., Southern California, 37, M.A. 39; Columbia, 41-42; D.Phil. (int. rels. & orgn), Oxford, 55. Writer & dir. documentary films, Nat. Film Bd, Can, 42-44; off. secretariat, UNRRA, 44-46, UN, 46-52; vis. prof. geog. Edinburgh, 59-60; assoc. prof. POLIT. STUDIES & GEOG. QUEEN'S (ONT), 60-65, PROF. 65. UNITAR vis. prof. Univ. West Indies, 67. Am. Hist. Assn; Am. Acad. Polit. & Soc. Sci; Soc. Hist. Tech; Can. Inst. Int. Affairs; Can. Assn. Am. Studies (pres, 66-); Can. Assn. Geog. International organization; international peace-keeping and Canadian foreign policy; political geography; role of technology in structuring environments. Publ: Indonesian independence and the United Nations, Cornell, 60; For Canada—both swords and ploughshares, Can. Inst. Int. Affairs, 63; co-auth, Civilization, past and present, Scott, 6th ed. 69. Address: Depts. of Political Studies & Geography, Queen's University, Kingston, Ont. Can.

TAYLOR, PROF. A(LBION) G(UILFORD), b. Potton, Que., Jan. 18, 86; nat; m. 09; c. 1. ECONOMICS. A.B. Des Moines, 15; A.M. Nebraska, 20; Ph.D., Illinois, 27. Assoc. prof. econ. COL. WILLIAM & MARY, 27-28, prof, 28-58, head dept, 29-56, chancellor prof, 48, asst. dean, Marshall-Wythe Sch, 35-41, dean, 41-44, EMER. PROF. ECON, 58. Exec. secy. essential indust. cmt, War Manpower Cmn, 42-44; chief food indust. div, labor br, U.S. Dept. Agr, 44-46. Mem. arbit. panel, Fed. Mediation & Conciliation Serv. Econ. Assn; Indust. Rels. Res. Assn. Comparative economic systems; history of economic thought. Publ: Labor problems and labor law; Labor and the supreme court. Address: 2401 Sturgis Rd, Colorado Springs, Colo. 80909.

TAYLOR, ALICE L, b. New York, N.Y., Aug. 4, 11; div. GEOGRAPHY, Paris, 30-31; Columbia, 43-45. Secy. to dir. AM. GEOG. SOC, 42-49, ED. FOCUS, 50. Text ed. Around the World series, Am. Geog. Soc. & Doubleday & Co., 55. Mem. Nat. Coun. Soc. Studies. Assn. Am. Geog; Soc. Woman Geog; Soc. Int. Develop. Economic and cultural geography; geographical education. Publ: United Arab Republic, 66, France, rev. ed. 67 & Iraq, 68, Doubleday. Address: American Geographical Society, Broadway at 156th St, New York, N.Y. 10032.

TAYLOR, PROF. AMOS E, b. Glenville, Pa, July 4, 93; m. 21. INTERNATIONAL FINANCE. A.B. Gettysburg Col, 15, LL.D. 66; Sorbonne, 19; A.M. Chicago, 20; Ph.D. Pennsylvania, 24. Instr. econ. Pennsylvania, 20-24, asst. prof. finance, 24-30; adj. prof. ECON. GRAD. SCH. AMERICAN UNIV, 32-58, PROF, 59- Asst. chief finance div, bur. for. & domestic commerce, U.S. Dept. Commerce, 31-39, chief, 39-41, chief int. econ. unit & adv. int. econ. affairs, 41-43, chief div. econ. res, 42-43, dir. bur. for. & domestic commerce, 43-47; lectr. Hopkins, 39-43; dir. dept. econ. & soc. affairs, Pan. Am. Union; exec. secy. Inter-Am. Econ. & Soc. Coun, 47-58. Trustee, Gettysburg Col, 32-59. Econ. Assn.(v.pres, 45); Acad. Polit. Sci; Acad. Econ. & Polit. Sci. International economics; economic weapon. Publ: Foreign investments in the United States; Economic and social problems of the Americas. Address: Parkton, Md. 21120.

TAYLOR, DR. ANTHONY, b. Jamaica, N.Y., Aug. 2, 34; m. 58; c. 1. PSYCHOLOGY. B.S. Iowa State Col, 56; U.S. Pub. Health Serv. fel. La. State, 56-60, M.A. 59, Ph.D.(psychol), 62. Clin. psychologist, La. State Dept. Hosps, 60-62; E.La. State Hosp, 62; Conn. Valley Hosp, 62-65; asst. prof. PSYCHOL, STATE UNIV. N.Y. COL. CORTLAND, 65-66, ASSOC. PROF. 66- La. State Dept. Hosps. res. grant, 62. Psychol. Assn. Learning theory; motivation theory; psychopathology. Publ: Co-auth, Influence of work distribution upon complex learning by the noncorrection and modified-correction methods, J. Exp. Psychol, 59, Acquisition and extinction phenomena in human trial-and-error learning under different schedules of reinforcement, Perceptual & Motor Skills, 62 & Performance in a runway, Am. J. Psychol, 3/67. Address: Dept. of Psychology, State University of New York College at Cortland, Cortland, N.Y. 13045.

TAYLOR, DR. ARTHUR SAMUEL, Soc. Sci, see 10th ed, Soc. & Behav. Vols.

TAYLOR, DR. BENJAMIN J, b. Clay, Ky, Oct. 25, 34; m. 53; c. 2. ECONOMICS. B.S. Oakland City Col.(Ind), 59; M.A. Indiana State, 61; Ph.D.(econ), Indiana, 66. Asst. prof. ECON, Oakland City Col.(Ind), 61-63; lectr. & staff assoc, Indiana, 65-66; ASST. PROF. ARIZONA STATE, 66-. ASST. DIR. BUR. BUS. RES, 67- U.S. Employ. Serv. res. grant, 67-68. U.S.A. 54-56. Econ. Assn. Labor and history; labor legislation and public policy; labor markets and theory; human resources with current emphasis on Indians and Mexican Americans. Publ: The operation of the Taft-Hartley Act in Indiana, Indiana Univ, 67; Arizona labor relations law, Arizona State Univ, 67; co-auth, Unionism in the American society, Labor Law J, 67. Address: Dept. of Economics, Arizona State University, Tempe, Ariz. 85281.

TAYLOR, PROF. BURTON W(AKEMAN), b. New York, N.Y., Feb. 1, 07. SOCIOLOGY. B.S. Yale, 28; Chicago, 31-33; Ph.D. Columbia, 35. Asst. prof. SOCIOL, Syracuse, 35-40; lectr. BOWDOIN COL, 40-42, assoc. prof, 46-53, PROF, 53- U.S.N.R., 42-46, Lt. Comdr. Sociol. Assn. Address: 79 Federal St, Brunswick, Maine 04011.

TAYLOR, PROF. CALVIN W(ALKER), b. Salt Lake City, Utah, May 23, 15; m. 43; c. 3. PSYCHOLOGY. B.A. Utah, 38, M.A. 39; fel. Chicago, 39-40, 40-41, Ph.D.(psychol), 46. Jr. occup. analyst & asst. statistician, occup. anal. div, U.S. Fed. Security Agency, Wash, 41-42; from instr. to assoc. prof. PSYCHOL, UTAH, 46-52, from assoc. prof. to PROF, 54- Dir. res. off. sci. personnel, Nat. Res. Coun, Wash, 52-54; mem. study sect, Nat. Insts. Health, 58-61 & 63-67; dir. personnel measurement div, U.S. Naval Personnel Res. Activity, San Diego, 64-65. Consult, Nat. Sci. Found; U.S. Off. Ed;

U.S. Dept. Air Force; White House, 68. U.S.A. 42-46, Res, 46-, Lt. Col. AAAS; Psychol. Assn; Psychomet. Soc. Mental abilities, especially creative and communicative personality factors; theory of psychological measurements, contributions and working conditions of scientists, physicians, nurses; cultivating multiple talents in classrooms. Publ: Architectural psychology; Climate for creativity; Exploratory research on communication abilities and creative abilities. Address: 2594 E. 3935th South, Salt Lake City, Utah 84117.

TAYLOR, DR. CARL C(LEVELAND), Sociol, see 10th ed, Soc. & Behav. Vols.

TAYLOR, PROF. CHARLES, b. Changsha, China, Jan. 22, 16; m. 51; c. 3. PSYCHOLOGY. Fulbright fel, Paris, 50; univ. fel, Syracuse, 51, Ph.D. (psychol), 55. Asst. instr, Syracuse, 48-54; from asst. prof. to prof. psychol, Brigham Young, 54-63; PROF. PSYCHOL. & HUMAN DEVELOP, PA. STATE, 63-, DIR. TRAINING PROG. ADULT DEVELOP. & AGING, 68- Consult, Nat. Inst. Child Health & Human Develop, 65-68. U.S.A. 43-46. Psychol. Assn. Developmental and clinical psychology. Address: 233 Outer Dr, State College, Pa. 16801.

TAYLOR, DR. C(HARLES), b. Montreal, Que., Nov. 5, 31; m. 56; c. 3. POLITICAL SCIENCE. B.A. McGill, 52; B.A. Oxford, 55, fel. 56-61, M.A. 60, Ph.D. 61. Asst. prof. polit. sci, McGill, 61-63; ASSOC. PROF. PHILOS. MONTREAL, 63- Vis. assoc. prof, Princeton, 65-66. Can. Philos. Assn. Philosophical problems connected with sciences of man, psychology, sociology, politics and history. Publ: Explanation of behavior, Humanities, 64; Neutrality in political science, In: Philosophy of political science, Blackwell, 67; Mind-body identity, Philos. Rev, 67. Address: Dept. of Philosophy, University of Montreal, C.P. 6128, Montreal, Que, Can.

TAYLOR, DR. CHARLES LEWIS, b. Ware Shoals, S.C., Nov. 8, 35; m. 58; c. 1. POLITICAL SCIENCE. A.B. Carson-Newman Col, 57; M.A. Yale, 59, Ph.D. (int. rels), 63. Instr. polit. sci, Col. William & Mary, 62-64, asst. prof, 64-66; tech. dir. polit. data prog, YALE, 66-68, DIR, POLIT. SCI. RES. LIBRARY, 68-, mem. res. staff polit. sci, 66-68. Consult. polit. studies curriculum revision, Pittsburgh City Sch. Syst, summer, 63; consult, UN Inst. Training & Res. & Off. Adv. Polit. Studies, Yale, 67. Polit. Sci. Assn. British political modernization; national aggregate data analysis. Publ: Aggregate data analysis: cross-national political and social indicators, Mouton, 68, co-auth, World handbook of political and social indicators, Yale, 69. Address: Yale Political Data Program, 89 Trumbull St, New Haven, Conn. 06520.

TAYLOR, DR. CHAS. T, b. Central City, Nebr., Mar. 29, 09; m. 38. ECONOMICS. B.S. Arizona, 31; summers, California, 32-35; M.A. Duke, 38, Ph.D.(econ), 40. Prof. econ. & head bus. dept. Ga. State Col. for Women, 38-42; econ. analyst, FED. RESERVE BANK ATLANTA, 42-43, sr. economist, 46-52, asst. v.pres. res, 52-59, V.PRES. & DIR. RES, 60- U.S.N.R., 43-46. Econ. Assn; Statist. Assn; Asn. Bus. Econ; Finance Assn. Monetary and credit policy; economic development; business finance and fluctuations. Publ: Essential functions of city government, Soc. Forces; Population increase municipal outlays and debt, South. Econ. J; The demonstration effect, savings and Southern economic development, In: Economic systems and public policy, Duke, 66. Address: 1193 Bellaire Dr. N.E., Atlanta, Ga. 30319.

TAYLOR, DR. CLIFFORD C, b. Loveland, Colo., May 15, 95; m. 21; c. 1. AGRICULTURAL ECONOMICS. B.S. Colorado State, 17; M.S. Iowa State Col, 23; A.M. Harvard, 25, Ph.D.(econ), 30. Asst. county agr. agent, Agr. Exten. Serv. Colo, 17-18; res. scientist farm mgt, U.S. Dept. Agr, 18-20, demonstr. state farm mgt, Idaho, 20-21; asst. agr. econ. Iowa State Col, 21-23; head dept. agr. econ, Va. Polytech. Inst, 23-30; agr. attaché, Union S. Africa & U.K. U.S. Dept. Agr, 30-39; Can. U.S. Dept. State, 39-46, econ. counsr, Poland, 46-47, agr. counsr, India, 47-55; agr. economist, Egypt, Food & Agr. Orgn, UN, 55-56; vis. prof. agr. econ, Maryland, 56-62; RETIRED. Consult. missions, India, Koppers, Inc, 59; Int. Bank Reconstruct. & Develop, India & Paris, 60. Agr. Econ. Assn. International agricultural economics. Address: 4000 Cathedral Ave, Washington, D.C. 20016.

TAYLOR, DR. COUNCILL S(AMUEL), b. New York, N.Y., July 3, 17. SOCIAL ANTHROPOLOGY. B.A. Yale, 50, Ford fel. to Jamaica, B.W.I, 52, Ph.D. (anthrop), 55; Soc. Sci. Res. Coun. fel, W.Africa, 54. Asst. Human Rels. Area Files, Conn, 49-51; Peabody Mus, Yale, 53, asst. instr. ANTHROP, 55; asst. prof, California, Los Angeles, 55-63; ASSOC. PROF, Northern Illinois, 63-64; SAN FERNANDO VALLEY STATE COL, 64- Distinguished vis. prof, Morehouse Col, 68-69. U.S.M.C., 42-46. Anthropol. Assn; Sociol. Assn; Int. African Inst. Africa and New World Negro; social institutions; processes of structural change and cultural transfer; anthropological uses of projective tests; social class, caste and race as role determinants; functional roles of the arts in maintaining social organization. Publ: Voluntary associations in the New Africa, Simon & Schuster, 66. Address: Dept. of Anthropology, San Fernando Valley State College, Northridge, Calif. 91324.

TAYLOR, DR. DALMAS A, b. Detroit, Mich, Sept. 9, 33; m. 61; c. 3. SOCIAL PSYCHOLOGY. B.A. Western Reserve, 59; M.S. Howard, 61; Ph.D.(psychol), Delaware, 65. Lab. technician chem, atomic energy res. proj, sch. med, Western Reserve, 56; res. asst. psychol, Howard, 59-61; psychologist, Nat. Insts. Health, 61-62; res. fel. PSYCHOL, Center Res. Soc. Behav, 62-65; vis. instr, Lincoln, 65; ASST. PROF, MARYLAND, 65- Nat. Acad. Sci. fel, 65-67; mem. staff, Nat. Naval Med. Center, Naval Med. Res. Inst, 66- Summers, res. psychologist, Nat. Naval Med. Center, 63-64 & instr, Delaware, 64. Med.C., U.S.A. 56-58. Psychol. Assn; Soc. Psychol. Study Soc. Issues. Development of a scientific body of knowledge upon which to base the psychiatric assessment techniques and preventive psychiatry programs for small groups of men operating weapons systems under varying degrees of environmental restriction; theory of interpersonal development. Publ: Co-auth, Intimacy-scaled stimulus for use in studies of interpersonal relations, Psychol. Reports, 19: 729-730; auth, Some aspects of the development of interpersonal relationships: social penetration processes, J. Soc. Psychol, 75: 79-90; co-auth, Stress reactions in socially related groups, J. Personality & Soc. Psychol, (in press). Address: 3109 Homewood Pkwy, Kensington, Md. 20795.

TAYLOR, PROF. DAVID G, b. Aberdeen, Miss, Sept. 22, 26; m. 46; c. 3. BUSINESS ADMINISTRATION. B.A. Baylor, 48, M.A. 49; summers, Arkansas, 52, 53 & 58. Instr. BUS. ADMIN, Baylor, 48-49; Arkansas State, 49-50, asst. prof., 50-52, assoc. prof., 52-55; asst. prof., LAMAR STATE COL., 55-57, ASSOC. PROF., 57- Summer consult, Sears, Roebuck & Co., 51, Standard Oil Co. N.J. 54, Aluminum Co. Am., 55 & J.C. Penney Co., 62. U.S.A.F., 45-46. Marketing; management; marketing and consumer motivation and advertising research; buyer motive and advertising appeal correlation. Address: Dept. of Business Administration, Lamar State College of Technology, Beaumont, Tex. 77704.

TAYLOR, DR. DAVID RUXTON FRASER, b. Motherwell, Scotland, Dec. 15, 37; Can. citizen; m. 60; c. 3. GEOGRAPHY. M.A. Edinburgh, 60, Ph.D. (geog), 66; dipl. ed. London, 61. Ed. officer, Govt. Kenya, 61-66; lectr. E. Africa, Commonwealth Inst., 66; ASST. PROF. GEOG. CARLETON (CAN), 66- Vis. lectr., Edinburgh, 66; Harvard Univ. scholar, 67. Mem. exec. cmt. Can. Asn. Map Libraries, 67-; Can. del. Int. Cong. Africanists, Dakar, 67; Can. Cmt. African Studies, 67-68. Can. Asn. Geog.; Asn. Am. Geog.; Fel. African Studies Asn. African studies; problems of development in East Africa; pre-Bantu Peoples of East Africa; settlement and agricultural development; cartography; computer graphics; African educational problems; the Kikuyu tribe. Publ: New tea growing areas in Kenya, Geography, 11/65; The Gumba and Gumba pits of Fort Hall district Kenya, Azania, 12/66; The internal trade of the Kikuyu plateau, Can. J. African Studies, 3/68. Address: Dept. of Geography, Carleton University, Ottawa 1, Ont, Can.

TAYLOR, PROF. DEE C, b. Coalville, Utah, Dec. 28, 22; m. 41; c. 2. ANTHROPOLOGY, ARCHAEOLOGY. B.A. Utah, 51, M.A. 53; Ph.D. (anthrop), Michigan, 57. Asst. prof. ANTHROP. MONTANA, 57-61, assoc. prof., 61-67, PROF., 67- Horace H. Rackham fel., Michigan, 57. Anthropol. consult, Proj. Head Start, 65. U.S.A.A.F., 42-46, Res., 46-52, Sgt. Fel. Anthropol. Asn; Soc. Archaeol; Ethnol. Soc. North American prehistoric archaeology and historic site archaeology; anthropological theory; race and minorities. Publ: The Garrison site & Two Fremont sites and their position in Southwestern prehistory, Utah Anthropol. Papers. Address: Dept. of Anthropology, University of Montana, Missoula, Mont. 59801.

TAYLOR, PROF. DONALD L(AVOR), b. Ephraim, Utah, Nov. 5, 16; m. 43; c. 4. SOCIOLOGY. B.S. Utah State, 40, M.S. 41; Ph.D. (sociol), Duke, 45. Mem. faculty, Randolph-Macon Woman's Col., 43-46; Macalester Col., 46-49; assoc. prof. sociol, Colgate, 49-53; supvr. sch.-community rels, pub. schs, Utah, 53-59; assoc. prof. SOCIOL, SOUTHERN ILLINOIS, 59-62, PROF., 62- Fel. Sociol. Asn; fel. Asn. Marriage Counsr. Family relations; personality; study of German family. Publ: Co-auth, Your marriage; auth, Marriage counseling, C.C. Thomas, 65; Meeting the critic, In: How to tell the school story. Address: Dept. of Sociology & Anthropology, Southern Illinois University, Edwardsville, Ill. 62025.

TAYLOR, PROF. DONALD W(AYNE), b. Boulder, Colo., May 9, 19; m. 40; c. 3. PSYCHOLOGY. A.B. Baker, 39, LL.D. 63; M.A. Kansas, 40; M.A. Harvard, 42, Ph.D. (psychol), 43; hon. M.A. Yale, 55. Spec. res. assoc. radio res. lab, Harvard, 43-45, instr., 43-44; asst. prof., Stanford, 45-48, assoc. prof., 48-55; PROF. personnel admin, YALE, 55-60, PSYCHOL., 56-, CHMN. DEPT. & DIR. DIV. SOC. SCI., 66-, chmn. dept. indust. admin, 63-66. Sigma Xi nat. lectr., 60-61; vis. res. fel. center cognitive studies, Harvard, 61-62. Co-ed. Dorsey Series in Psychol., 59-67. Mem. adv. panel, course content improv. prog, Nat. Sci. Found., 59-65. Fel. Psychol. Asn; Psychonomic Soc. Psychological studies of problem solving, decision making and creative thinking. Publ: Variables related to creativity and productivity among men in two research laboratories, In: Scientific creativity: its recognition and development, Wiley, 63; Thinking, In: Theories in contemporary psychology, Macmillan, 63; Decision making and problem solving, In: Handbook of organizations, Rand McNally, 65. Address: Dept. of Psychology, Yale University, New Haven, Conn. 06510.

TAYLOR, DR. ELAINE N, b. Meadville, Pa., Dec. 2, 27; m. 49; c. 2. PSYCHOLOGY. B.S. Pa. State, 49; M.A. Bowling Green State, 61; Ph.D. (psychol), Iowa, 54. From asst. to instr. physical ed, Bowling Green State, 49-51; res. assoc. psychol, Iowa, 52-53; res. scientist res. design, HUMRRO, GEORGE WASHINGTON, 54-57, consult, 60-62, res. scientist TRAINING METHODS, 62-63, SR. SCIENTIST, 67- Learning theory; research design. Publ: Co-auth, New evidence of a favorability effect upon scores on the Taylor manifest anxiety scale, Iowa Acad. Sci., 53 & The relation of electric shock and anxiety to level of performance in eyelid conditioning, J. Exp. Psychol., 54. Address: 18 Meadow Place, Carmel Valley, Calif. 93924.

TAYLOR, DR. ERWIN K, b. Chicago, Ill., Dec. 2, 13; m. 37. PSYCHOLOGY. B.S. Northwestern, 35, M.A. 39, Ph.D. (psychol), 41. Civil serv. exam, State Civil Serv. Cmn, Ill., 42-43; res. psychologist, personnel res. sect, U.S. War Dept., 43-44, tech. asst. to chief, civil personnel res. sub-sect, 45; unit chief, personnel res. sect, U.S. Dept. Army, 45-51; dir. personnel res. inst., Western Reserve, 51-55; PRES. PERSONNEL RES. & DEVELOP. CORP., 55- Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn; Psychomet. Soc. Development of criteria for personnel research; management and development; use of psychological devices and techniques to insure equal employment opportunity to members of minority and culturally deprived groups. Publ: Co-auth, How to pick leaders: a scientific approach to executive selection; The use of projective techniques in management selection, Personnel; The dollar criterion, Personnel Psychol. Address: Pradco, 11701 Shaker Blvd, Cleveland, Ohio 44120.

TAYLOR, DR. F(RANK) W(ILLIAM) R(ALPH), b. Cochrane, Ont., Apr. 23, 19; m. 55. PSYCHOLOGY. B.A. Toronto, 50, M.A. 52, Ph.D., 60. Lectr. PSYCHOL, Toronto, 52-54, asst., 54-56; instr. WESTERN ONTARIO, 58-59, lectr., 58-61, asst. prof., 61-65, ASSOC. PROF., 65- Can. Army, 40-42, Res., 43-44; R.C.A.F., 42-43, Sgt. AAAS; Am. Psychol. Asn; Can. Psychol. Asn; Royal Astron. Soc. Can. Perception; learning; emotional factors in perception; conditioning of affective responses in human subjects; psychophysics; statistical methods. Publ: Discrimination of subliminal visual stimuli, Can. J. Psychol. Address: Dept. of Psychology, University of Western Ontario, London, Ont, Can.

TAYLOR, PROF. FRED R(OBERT), b. Chisholm, Minn., Jan. 25, 15; m. 42; c. 1. AGRICULTURAL ECONOMICS, ECONOMICS. B.S. Minnesota, 38, M.S. 47, Ph.D., 51. Prof. & chmn, Rhode Island, 50-55; PROF. AGR. ECON. & CHMN. DEPT., N.DAK. STATE, 55- Consult, Minneapolis Bd. Trade. Chmn, N.Cent. Econ. Adv. Cmt; mem. N.Dak. Farmers Home Admin. State Cmt; N.Dak. State Tax & Res. Cmt. U.S.A., 41-46. Econ. Asn; Agr. Econ. Asn; Mkt. Asn; Math. Soc. Marketing; prices; policy. Publ: Effects of the soil bank program on a North Dakota community, Factors affecting the transportation of North Dakota grain & The organization of country markets for North Dakota grain, Bull. N.Dak. Agr. Exp. Sta. Address: Dept. of Agricultural Economics, North Dakota State University, Fargo, N.Dak. 58102.

TAYLOR, DR. GARY CHARLES, b. Lockport, N.Y., Aug. 31, 31; m. 59; c. 1. ECONOMICS. B.S. Cornell, 52, M.S. 58; Ph.D. (econ), California, Berkeley, 64. Res. asst. forest soils, Cornell, 56-58; economist, ECON. RES. SERV., U.S. DEPT. AGR., 58-66, BR. CHIEF, 66- Prof. lectr., George Washington, 67-68. U.S.A., 52-56, 1st Lt. Econ. Asn; Agr. Econ. Asn; Regional Sci. Asn. Natural resources; water resources; environmental quality; outdoor recreation; rural development. Publ: Co-auth, Rural outdoor recreation facilities, U.S. Cong., 66 & Economics of water pollution, Univ. Florida, 67; auth, Economic planning of water supply systems, Univ. California, 67. Address: Economic Research Service, U.S. Dept. of Agriculture, Washington, D.C. 20250.

TAYLOR, DR. GEORGE B, b. Johnstown, Pa., June 3, 23; m. 50; c. 4. SOCIOLOGY. A.B. Allegheny Col., 44; S.T.B., Boston, 46, Th.D. (soc. ethics), 55. Dir, Wesley Found, Kans., 51-54; lectr. ethics & relig, Wichita State, 64-66; ASST. PROF. SOCIOL, FT. HAYS KANS. STATE COL., 66- Nat. Coun. Family Relis. Sociology of the family; social problems and ethics. Address: Dept. of Sociology, Ft. Hays Kansas State College, Hays, Kans. 67601.

TAYLOR, DR. GEORGE E, Hist. Polit. Sci., see 5th ed, Dir. Am. Scholars. Vol. I, Hist.

TAYLOR, GEORGE E(DWARD), b. Greeley, Iowa, July 20, 31; m. 61. ECONOMICS, STATISTICS. B.S.C. Iowa, 58, M.A. 59; Ford Found. fel., Carnegie Inst. Tech., 60. Asst. bus. finance, money & banking, Iowa, 58, instr. econ, 58-59; financial analyst, controllers off, Aeronutronic Div, Ford Motor Co., 60-62; financial plans mgr, res. lab, 62; SR. PROJ. STAFF ENGR, AUTONETICS DIV, N.A.M. ROCKWELL CORP., ANAHEIM, 62- U.S.A., 52-54. Econ. Asn. Cost of new business and its relationship to research and development effort. Publ: New techniques in inventory control; ed, Lectures in financial management. Address: 2027 Phalarope Court, Costa Mesa, Calif. 92626.

TAYLOR, DR. GEORGE R(OGERS), b. Beaver Dam, Wis., June 15, 95; m. 24; c. 2. ECONOMICS. Ph.B. Chicago, 21, Ph.D., 29; hon. A.M., Amherst Col., 39. Acting head dept. econ, Earlham Col., 23; prof., Amherst Col., 24-39, George D. Olds prof., 39-65; SR. RESIDENT SCHOLAR, ELEUTHERIAN MILLS-HAGLEY FOUND., 65- Vis. prof., Smith Col.; Mt. Holyoke Col.; dir. spec. res. proj., Int. Cmt. Price Hist., 31-32; sr. agr. economist, U.S. Dept. Agr., 38; spec. adv. Paraguay; Off. Price Admin. & Off. Civilian Requirements, Ed. Probs. In Am. Civilization, 48-66; J. Econ. Hist., 55-60. U.S.N., 17-18. Econ. Asn. Economic history of the United States and the relation of the government to industry. Publ: Transportation revolution, 1815-1860; co-auth, American railroad network, 1861-1890. Address: Eleutherian Mills-Hagley Foundation, Wilmington, Del. 19807.

TAYLOR, PROF. GEORGE W(ILLIAM), b. Philadelphia, Pa., July 10, 01. ECONOMICS. B.S. Pennsylvania, 23, Ph.D., 29. From assoc. prof. to prof. INDUST. PENNSYLVANIA, 35-62, HARNWELL PROF., 62- V.chmn. & chmn. Nat. War Labor Bd., 41-45; secy, President's Nat. Labor-Mgt. Conf., 45; cmn. adv. cmt. Off. War Mobilization & Reconstruction, 46; Nat. Wage Stabilization Bd., 51; Presidential Bd. Inquiry Steel Dispute, 59; pub. mem., President's Adv. Cmt. Labor-Mgt. Policies, 61-; chmn. Gov. Cmn. Govt. Employee Rels., N.Y., 66. Econ. Asn; Philos. Soc.; Indust. Rel. Res. Asn. (pres., 50). Vertical integration and inventory policies in the textile industry; post-war change in the hosiery industry; governmental regulation of industrial relations. Publ: Co-auth, New concepts of wage determination. Address: 1900 Rittenhouse Square, Philadelphia, Pa. 19103.

TAYLOR, GORDON, b. Ladner, B.C., May 9, 23; m. 47; c. 2. GEOGRAPHY. B.A. British Columbia, 49, M.A. 50. Asst. geog. Minnesota, 50-52; res. officer recreation planning, Nat. Parks Br., 54-68; ASST. CHIEF PLANNING, NAT. PARKS SERV., 68- Chmn. res. cmt. Fed. Provincial Parks Conf., 64- Can. Army, 42-46. Asn. Am. Geog.; Am. Geog. Soc.; Can. Asn. Geog. Recreation geography; population geography; regional planning. Publ: An approach to the inventory of recreational lands, Can. Geogr., 6/65; co-auth, Recreation use estimation in the United States and Canada, Fourteenth Int. Union Forest Res. Orgn. Cong. Germany, 9/67; auth, Techniques in evaluation of recreational use, Ninth Commonwealth Forestry Cong., 1/68. Address: Planning Division, National Parks Service, 400 Laurier Ave. W., Ottawa, Ont, Can.

TAYLOR, DR. HAROLD C(LAIRE), b. Barnes City, Iowa, Dec. 21, 05; m. 30; c. 1. PSYCHOLOGY. Ph.B. Chicago, 29; M.S. Yale, 32, Ph.D. (psychol), 34. Tech. asst. indust. rels. res. Procter & Gamble Co., Ohio, 34-36; chief personnel results dept, West. Elec. Ill., 36-45, employ. mgr., 44-45; DIR. W.E. UPJOHN INST. EMPLOY. RES., 45- Consult, Bur. Budget, 42; U.S. Govt., 54-61; chmn. n.cent. regional manpower adv. cmt, U.S. Depts. Labor & Health, Ed. & Welfare, 65- V.pres. Am. Bd. Exam. Prfnl. Psychol., 53-57. AAAS; Econ. Asn; Psychol. Asn. Community; employment and unemployment; manpower development and training and personnel-related problems; psychometrics. Publ: Co-auth, Public works and employment (from the local government point of view), Pub. Admin. Serv., 55, The Michigan economy: its potentials and its problems, The Inst., 59 & Dimensions of manpower policy: programs and research, Johns Hopkins, 66. Address: W.E. Upjohn Institute for Employment Research, 300 S. Westnedge Ave, Kalamazoo, Mich. 49007.

TAYLOR, DR. HASSELTINE BYRD, b. Franklin Co, Miss, Nov. 17, 05; m. SOCIAL WORK. A.B. La. State, 26; A.M. Columbia, 27; Tulane, 28; fel. Chicago, 30-31, Ph.D. 34, J.D. 39. Dep. clerk, soc. serv. dept, Munic. Court, Ill, 34-35; instr. soc. work & sociol. Northwestern, 35-39; LECTR. SOC. WELFARE, CALIFORNIA, BERKELEY, 41- Pub. Law of guardian and ward, Univ. Chicago, 35. Address: 3090 Buena Vista Way, Berkeley, Calif. 94708.

TAYLOR, PROF. HERBERT C (ECIL), b. Houston, Tex, Nov. 29, 24; m. 48; c. 2. ANTHROPOLOGY. B.A. Texas, M.A. 49; Ph.D. (anthrop), Chicago, 51. Asst. Chicago, 49-51; asst. prof. ANTHROP. WEST. WASH. STATE COL, 51-55, assoc. prof, 55-62, PROF, 62-, DEAN RES. & GRANTS, 65-, chmn. dept. sociol. & anthrop, 60-65. Vis. asst. prof, British Columbia, 54; vis. summer prof, Calgary, 66. A.U.S. 42-46, Res, 49-54; U.S.A.F.R. 56-, Maj. Fel. Anthropol. Asn. Social change; Southwestern archaeology; Northwest coast ethno-history. Publ: Ed, New knowledge: its impact on higher education, Oregon State Univ, 64; auth, A tentative cultural sequence for the area about the mouth of the Pecos, Tex. Archeol. & Paleontol. Soc. Bull, 10/49; co-auth, The intermittent fever epidemic of the 1830's on the Lower Columbia River, Ethnohistory, spring 62. Address: 415 N. Forest St, Bellingham, Wash. 98225.

TAYLOR, PROF. HORACE, Econ, see 10th ed, Soc. & Behav. Vols.

TAYLOR, DR. HOWARD, b. Columbia, Mo, Nov. 4, 87; m. 16; c. 1. PSYCHOLOGY, PHILOSOPHY. A.B. Georgetown Col, 06; A.M. 07, hon. LL.D. 25; scholar, Missouri, 13-14; scholar, Columbia, 14-15, A.M. 15, Ph.D. (hist. of ed, hist. & ed. psychol), 20. Prof. ed, Drury Col, 15-16; instr. ed. psychol, Missouri, 16-17; adj. prof. col. mines & dean, Col. City of El Paso, 17-20; prof. ed. & OKLA. COL. LIB. ARTS, 20-22; prof. philos. & psychol. & dean, OKLA. COL. LIB. ARTS, 22-58, EMER DEAN, 58- Psychol. Asn; Psychology of learning; philosophy of education; American political philosophy. Publ: Gifted child and his education, J. Exp. Children, Racial integration in the schools by reconciliation, Sch. & Soc; Greatest waste in American education, Ed. Theory. Address: 1509 S. 17th, Chickasha, Okla. 73018.

TAYLOR, DR. HOWARD FRANCIS, b. Cleveland, Ohio, July 7, 39; m. 63. SOCIOLOGY. A.B. Hiram Col, 61; fcls, Yale, 61-62, 64-65, summer 65, M.A. 64, Ph.D. (sociol), 66. ASST. PROF. SOCIOL. & RES. ASSOC. ILL. INST. TECH, 65- Sociol. Asn. Balancing processes in small human groups; alienation; sociological factors in determining patient's compliance to doctor's orders; methodological techniques in experimental sociology; formal theory construction. Publ: The balance process in small groups, Van Nostrand, 68; Balance and change in the two-person group, Sociometry, 9/67; Balance, tension and tension release in the two-person group, Human Relations, 68. Address: Dept. of Sociology, Illinois Institute of Technology, Chicago, Ill. 60616.

TAYLOR, PROF. HOY, Soc. Sci, see 10th ed, Soc. & Behav. Vols, deceased 67.

TAYLOR, PROF. IRVING A, b. Pittsburgh, Pa, Aug. 23, 25; m. 56; c. 2. PSYCHOLOGY. B.A. Houston, 50, M.A. 51; Ph.D. (soc. psychol), N.Y. Univ, 54. Counsr. & instr. Berkeley Inst, 51-52; asst. N.Y. Univ, 52-53; asst. prof, N.Y. State Col. for Teachers, 53-54; assoc. prof. psychol. & supvr. reading lab, Pratt Inst, 54-59; prof. psychol. & chmn. dept. Northeast Mo. State Teachers Col, 59-60; sr. res. assoc. & proj. coordinator, Inst. Develop. Studies, N.Y. 60-61; dir. res. Nowland & Co, Conn, 61; assoc. prof. psychol, San Fernando Valley State Col, 61-63; dir. Midtown Sch, 63-64; chief psychol. serv. Los Angeles Psychosoc. Clin, 64-65; DIR. REHAB. SALUBRUM MENT. HEALTH CENTER, 67- Lectr. Barnard Col, 54-56; Bronx Community Col, 60-61; California, Los Angeles, 63-64. Mem. bd. dirs, Richard J. Neutra Inst, 62-; West. Inst. Adv. Studies, 65- U.S.A. 43-46. AAAS (award, 57); Psychol. Asn; Int. Soc. Gen. Semantics. Schizophrenia; psychotherapy and rehabilitation; philosophy of science; psychology of design, creativity and communication. Publ: Similarities in structure of extreme social attitudes, Psychol. Monographs; Perceptual closure in schizophrenia, J. Abnorm. & Soc. Psychol; Current theory and research in the effects of music on human behavior, J. Esthetics & Art Criticism. Address: 1444 Miller Dr, Los Angeles, Calif. 90069.

TAYLOR, PROF. ISABELLE WAGNER, b. Cleveland, Ohio, Oct. 19, 06; m. 40; c. 2. PSYCHOLOGY. B.S. Bowling Green State Col, 30; M.A. Ohio State, 32, Ph.D. (psychol), 36. Instr. Scripps Col, 36-37; instr. Ohio State, 37-38; res. assoc. Princeton Radio Res. Proj, N.Y. 38-39; instr. PSYCHOL. RUSSELL SAGE COL, 39-43, asst. prof, 43-47, assoc. prof, 47-63, PROF, 63-, CHMN. DEPT, 48- Voc. Rehab. Admin. spec. rehab. res. fel. study servs. for handicapped in Asian countries, 67. Bowling Green State Univ. distinguished alumnus award, 65. Fel. Psychol. Asn. Child and adolescent behavior; emotional problems of the handicapped. Publ: The establishment of a criterion of depth of sleep in the newborn infant, J. Genetic Psychol; co-auth, Special education of physically handicapped children in Western Europe, Int. Soc. Welfare Cripples & Services for handicapped youth in England and Wales, Int. Soc. Rehab. Disabled, 67. Address: Dept. of Psychology, Russell Sage College, Troy, N.Y. 12180.

TAYLOR, JACK, b. Sheffield, Eng, Dec. 4, 15; nat; m. 40; c. 2. ECONOMICS, ECONOMIC HISTORY. B.A. Oxford, 37, M.A. 48. Instr. econ, Rochester, 48-52, asst. prof, 52-58; assoc. prof, Buffalo, 58-60; Rochester Inst. Tech, 60-61; consult, Pfaunder Permutit Inc, 61-62, mem. corp. staff, 62-66; SR. ECONOMIST, PFIZER INT, INC, 66- Lectr. Rochester, 58- British Army, 41-44, Lt. Am. Econ. Asn; Indust. Reels. Res. Asn; Can. Econ. Asn; Royal Econ. Soc. Government and the economic order; international economics; history of economic thought. Publ: Business and government; Economic development of Poland, 1919-1950; Trade, finance, and policy, Univ. Rochester, 65, rev. ed, 66. Address: 103 Westland Ave, Rochester, N.Y. 14618.

TAYLOR, DR. JAMES B (ENTLEY), b. Seattle, Wash, Oct. 23, 30. SOCIAL & CLINICAL PSYCHOLOGY. B.A. Reed Col, 52; M.S. Washington (Seattle), 56, Ph.D. 58. Trainee clin. psychol, Vet. Admin, 54-57; asst. soc. psychol, pub. opinion lab, Washington (Seattle), 57-58, res. asst. prof, 58-63; res.

psychologist, MENNINGER FOUND, 63-67, DIR. DIV. SOC. SCI. RES, 67- AAAS; Psychol. Asn; Sociol. Asn; Soc. Psychol. Study Social Issues; Orthopsychiat. Asn. Social psychiatry; personality theory and assessment; mass motivation. Publ: Psychiatrist and general practitioner, Arch. Psychiat; What do attitude scales measure? the problem of social desirability, J. Abnorm. & Soc. Psychol; Rating scales as measures of clinical judgment: a method for increasing reliability and sensitivity, Ed. & Psychol. Measurement, 9/68. Address: Menninger Foundation, Topeka, Kans. 66601.

TAYLOR, PROF. JAMES DOWELL, b. Louisville, Ky, Aug. 14, 28; m. 54; c. 2. MARKETING, TRANSPORTATION. B.S.C. Iowa, 50, M.A. 54, Ph.D. (mkt), 60. Dept. mgr. catalog sales, Sears, Roebuck & Co, Iowa, 50-51; instr. MKT. South Dakota, 54-57; asst. Iowa, 57-58; asst. prof, SOUTH DAKOTA, 58-60, PROF, 60- Ford Found. study grants, Harvard, summer 60, Kansas, summer 63. U.S.N.R. 44-46, 51-53. Mkt. Asn. Address: 703 Valley View Dr, Vermillion, S.Dak. 57069.

TAYLOR, DR. JAMES HENRY, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 68.

TAYLOR, JAMES S (PEAR), Econ, see 10th ed, Soc. & Behav. Vols.

TAYLOR, PROF. JAMES W (ILLIAM), b. Mansfield, La, Mar. 17, 21; m. 47; c. 3. GEOGRAPHY. B.A. Northwest State Col. (La), 46; M.A. La. State, 48, Ph.D. 58. Instr. GEOG, Indiana, 49-50; from instr. to PROF, SAN DIEGO STATE COL, 50- U.S.A. 41-46. Asn. Am. Geog. Human; historical. Address: Dept. of Geography, San Diego State College, San Diego, Calif. 92115.

TAYLOR, PROF. JAMES W (OODALL), b. Summer Co, Tenn, Oct. 25, 14; m. 44. GEOGRAPHY. B.S. Austin Peay State Col, 47; M.A. Syracuse, 50; fel, Indiana, 52-53, Ph.D. (geog), 55. Instr. GEOG, Peabody Col, 50-51; from instr. to asst. prof, Memphis State Col, 53-56; asst. prof, WIS. STATE, EAU CLAIRE, 56-59, assoc. prof, 59-64, PROF, 64-, dir. Nat. Defense Ed. Act. Inst. Geog. summers, 66-67. U.S.A. 41-45. Asn. Am. Geog; Am. Geog. Soc; Nat. Coun. Geog. Ed. Geography of agriculture; South Asia; physical geography. Publ: Co-auth, World geography, South-Western Pub, 67; Geographic bases of the Gadsden Purchase, 11/58 & The air field trip, 5/60, J. Geog. Address: Dept. of Geography, Wisconsin State University, Eau Claire, Wis. 54701.

TAYLOR, JEAN G (ROVE), b. Washington, D.C, Apr. 26, 27. INDUSTRIAL PSYCHOLOGY, LAW. A.B. Sweet Briar Col, 49; M.A. Cornell, 51; LL.B. George Washington, 66. Analyst & asst. personnel & res. Aetna Life Ins. & Affiliated Co, 51-52; from ops. analyst to study chmn, Res. Anal. Corp, 52-63; SR. STAFF MEM, INST. DEFENSE ANAL, 64- AAAS; Ops. Res. Soc; Bar Asn; Judicature Soc. Operations research; systems analysis. Address: Institute for Defense Analysis, 400 Army Navy Dr, Arlington, Va. 22202.

TAYLOR, DR. JOHN E (DWARD), b. McKeesport, Pa, Apr. 6, 27; m. 49. PSYCHOLOGY. B.S. Pa. State Col, 49; M.A. Bowling Green State, 50; Ph.D. Iowa, 53. RES. PSYCHOLOGIST, HUMMRO, GEORGE WASHINGTON, 54- U.S.M.C. 45-46. AAAS; Psychol. Asn. Military training research; learning theory; research methods and design. Address: 18 Meadow Place, Carmel Valley, Calif. 93924.

TAYLOR, PROF. JOHN (F), b. Dunmore, Pa, Nov. 5, 16; m. 48; c. 4. PSYCHOLOGY. B.S. East Stroudsburg State Col, 41; M.Ed. Pa. State, 46, Ph.D. (ed, psychol), 49. Instr. psychol, Calif. State Col. (Pa), 49-51; conf. leader, personnel dept, Pratt & Whitney Aircraft Div, United Aircraft Corp, 51-57; PROF. PSYCHOL, CENT. CONN. STATE COL, 57- Psychol. Asn. Introductory, industrial, and physiological psychology. Publ: Co-auth, Individual exercises in self-perception, Edwards Bros, 63. Address: Dept. of Psychology, Central Connecticut State College, New Britain, Conn. 06050.

TAYLOR, DR. JOHN H (ALL), Psychol, see 11th ed. Phys. & Biol. Vols.

TAYLOR, DR. J (OHN) L, Geog, see 10th ed, Soc. & Behav. Vols, deceased 67.

TAYLOR, PROF. JOHN S (AMUEL), b. Lucknow, India, Oct. 26, 16; m. 41; c. 3. SOCIOLOGY. B.A. Ill. Wesleyan, 39; M.A. Illinois, 41, fel. & Ph.D. (sociol), 58. Instr. Soc. Sci, Northwest Mo. State Col, 46-50, asst. prof. sociol, 50-55, assoc. prof, 56-58, prof, 58-59; PROF. SOC. SCI, FERRIS STATE COL, 59-, HEAD DEPT. SOCIOL. & PSYCHOL, 67-, soc. sci, 59-67. Lectr. Nat. Defense Ed. Act Am. Hist. Workshop, Northwest Mo. State Col, 66. Mem. tech. rev. panel, Mich. Cmn. Aging, 67. U.S.N. 43-46, Lt. Sociol. Asn. Gerontology; rural sociology; social disorganization. Address: 631 Marion, Big Rapids, Mich. 49307.

TAYLOR, DEAN JOSEPH THOMAS, b. Rolling Fork, Miss, Feb. 11, 13; m. 44; c. 3. SOCIOLOGY. A.B. Illinois, 36, A.M. 37; Rosenwald fel, Fisk, 38-39; Gen. Ed. Bd. fel, Indiana, 48-49, Ph.D. (sociol), 52. Teaching fel, Fisk, 37-38; instr. Fla. Agr. & Mech. Col, 38-41, 42; dir. area 7, Nat. Youth Admin, Ill, 41-42; asst. to pres, Fla. Agr. & Mech. Col, 46-48, acting dean grad. div, summer, 49; asst. sociol, Indiana, 49-50; prof. sociol. & dir. arts & sci, Albany State Col, 50-51; prof. sociol, Dillard, 51-57, chmn. div. soc. sci, 51-55, acting dean, 55-57; dir. prog. develop, Planner House, 57-62; lectr. sociol, INDIANA, 58-62, assoc. prof, 62-66, asst. dir, Indianapolis Regional Campus, 65, acting dean, 66, DEAN INDIANAPOLIS DOWNTOWN CAMPUS, 67- U.S.A. 42-46, Sgt. Publ: Desegregation in Louisiana—one year after, yearbook ed, 55 & Desegregation in Louisiana, 1958, yearbook ed, 56, J. Negro Ed; contrib. Studies in housing and minority groups, Univ. California, 59. Address: Indianapolis Downtown Campus, Indiana University, 518 N. Delaware St, Indianapolis, Ind. 46204.

TAYLOR, DR. KENNETH E (DGAR), b. Yoe, Pa, May 22, 16; m. 39; c. 3. PSYCHOLOGY. A.B. Gettysburg Col, 37; M.A. Pittsburgh, 39, Ph.D. (psychol), 52. Sr. psychologist, West. State Penitentiary, Pa, 46-53; DEP. CMNR. FOR TREATMENT, BUR. CORRECTION, STATE DEPT. JUSTICE, 53- U.S.A. 40-46, Lt. Col. Psychol. Asn. Address: 1713 Wyndham Rd, Camp Hill, Pa. 17011.

- TAYLOR, DR. L. ROGERS, b. Little Rock, Ark, Jan. 9, 38; m. 68. **INDUSTRIAL PSYCHOLOGY.** B.A., Davidson Col, 59; M.S., N.C. State Col, 62; Ph.D.(industrial psychol), Purdue, 68. Rehab. psychologist, S.C. State Hosp, 61-62 & 64; **PROG. ADMINISTRATOR, DEPT. RES, STATE FARM INS. CO.**, 67- Med. Serv. C. U.S.A., 62-64, Capt. Psychol. Asn. Personnel research; life history antecedents of present behavior; verbal learning. Publ: Co-auth, Context effects in paired associate learning, *J. Verbal Learning & Verbal Behav.*, 1/63. Address: State Farm Insurance Co, 112 E. Washington St, Bloomington, Ill. 61701.
- TAYLOR, PROF. LEE, b. Maysville, Mo, Feb. 13, 30; m. 53; c. 1. **SOCIOLOGY.** B.A., San Jose State Col, 52; M.A., La. State, 56, Ph.D.(Sociol), 58. Instr. sociol, Minnesota, 58-59, asst. prof, 59-61; La. State, 61-63, assoc. prof, 63-65; prof, Tulane, 65-66; **PROF. RURAL SOCIOLOGY & ASST. DIR. RES, CORNELL**, 66- Agr. Develop. Coun. res. grant, 67-69. Sociol. Asn; Rural Sociol. Soc. Occupational sociology; social organization; sociology of art; demography. Publ: Rural life and urbanized society, 64 & Occupational sociology, 68, Oxford Univ; Urban-rural problems, Dickenson, 67. Address: Research Office, Cornell University, Roberts Hall, Ithaca, N.Y. 14850.
- TAYLOR, DR. LESLIE R, b. Jeffersonville, Ind, May 25, 34; m. 59; c. 2. **PSYCHOLOGY.** B.A., DePauw, 56; M.A., Ohio, 58; Ph.D.(psychol), Purdue, 61. Clin. psychologist, Wales Training Sch, Wis. Dept. Corrections, 61-63; **ASST. PROF. PSYCHOL, MUSKINGUM COL**, 63- Instr. exten, Wisconsin, 62-63; U.S. Armed Forces Inst, 62-63; participant, Nat. Sci. Res. Inst, Fla. State, summer, 67 & acad. year exten, 67-69. Psychol. Asn. Stimulus and behavioral features of stress and parameters of pain in operant conditioning. Publ: Co-auth, A simple bipolar electrode-assembly for chronic implantation in the brains of fish, *Am. J. Psychol.*, in press. Address: Dept. of Psychology, Muskingum College, New Concord, Ohio 43762.
- TAYLOR, DR. LESTER DEAN, b. Toledo, Iowa, Mar. 8, 38; m. 66. **ECONOMICS.** B.A., Iowa, 60; Ph.D.(econ), Harvard, 63. Instr. econ, Harvard, 63-64; staff economist, Coun. Econ. Adv, 64-65; **ASST. PROF. ECON, HARVARD**, 65- Adv. Govt. Colombia, 67- Consult. Coun. Econ. Adv. & Dept. Health, Ed. & Welfare, 65-66; U.S. Dept. Labor, 65-67; President's Task Force on Commun. Policy, 68- Econ. Asn; Economet. Soc. Econometric methodology and the theory of saving and demand. Publ: Co-auth, Consumer demand in the United States 1929-1970, 66 & Hospital costs in Massachusetts, 68, Harvard; Three pass least squares, *Rev. Econ. & Statist.*, 64. Address: Dept. of Economics, Harvard University, Cambridge, Mass. 02138.
- TAYLOR, DR. LLOYD ANDREW, b. Omaha, Nebr, Oct. 4, 21; m. 43; c. 4. **SOCIOLOGY.** A.B., Manhattan Bible Col, 43; B.D., Phillips, 47; M.S., Kansas State, 57; Ph.D.(sociol), Nebraska, Lincoln, 68. Prof., Manhattan Bible Col, 45-57; **ASSOC. PROF. SOCIOLOGY, PHILLIPS**, 57- U.S. Off. Ed. res. grant, 66-68; vis. assoc. prof, Okla. State, 67- Sociol. Asn. Community organization; sociology of religion; sociology and the mentally retarded. Publ: The development of the concept group in mentally retarded children, *U.S. Off. Ed.*, 67. Address: Box 2244, University Station, Enid, Okla. 73701.
- TAYLOR, PRES. M(ALCOLM) G(ORDON), b. Alta, Can, Aug. 31, 15; m. 42; c. 2. **POLITICAL SCIENCE.** A.B., California, 42, M.A., 43, Ph.D., 49; LL.D., Calgary, 65. Assoc. prof. polit. sci., Toronto, 47-60; v. pres. & prin., Calgary, 60-64; **PRES, VICTORIA (B.C.)**, 64- Res. consult, Royal Cmn. Health Serv, 62-65; cmr. exam, Nat. Dent. Examining Bd. Can. Soc. Pub. Admin; Polit. Sci. Asn; Inst. Pub. Admin. Can.(pres, 59-60); Can. Econ. Asn. Public health services and higher education administration; comparative government. Publ: Financial aspects of health insurance; The administration of health insurance in Canada; The role of the medical profession in the formulation and execution of public policy, *Can. Pub. Admin.* Address: University of Victoria, Victoria, B.C. Can.
- TAYLOR, PROF. MAURICE C(LAYTON), b. Carmen, Okla, Sept. 19, 15. **AGRICULTURAL ECONOMICS.** B.S., Okla. State, 42; M.A., Washington State, 47; Sears Roebuck fel, Chicago, 48-49. Scheduling supvr, E.I. du Pont de Nemours & Co, 42-43; asst. agr. econ, Washington State, 46-47, instr, 47-50; **ASSOC. PROF. AGR. ECON. & ECON, MONTANA STATE**, 50- Vis. prof, Montana, 66-68. Summers, fel. prog. economist, Swift & Co, Ill, fel, Chicago Bd. Trade Symp, 55, Ford Found. fel, Minnesota, 62, fel, Chicago, 65. Mem. Mont. Legis. Coun. Taxation Task Force, 65-66; bd. dirs, Mid-Continent Res. & Develop. Coun, 66- U.S.N., 43-46, Res. 46-, Lt. Agr. Econ. Asn; Econ. Asn. Agricultural policy; public finance; economic theory; business finance; economic development; state planning. Address: Dept. of Economics & Agricultural Economics, Montana State University, Bozeman, Mont. 59715.
- TAYLOR, DR. MAURICE MARTIN, b. Ashton-on-Mersey, Eng, June 14, 35; Can. citizen; m. 61; c. 2. **PSYCHOLOGY.** B.A.Sc., Toronto, 56; M.S.E., Hopkins, 58, Ph.D.(psychol), 60. **RES. PSYCHOLOGIST, DEFENCE RES. ESTAB. TORONTO**, 60- Vis. sr. res. fel, dept. commun, Keele, 66-67. Psychonomic Soc; Acoustical Soc. Am; Can. Psychol. Asn; Asn. Comput. Mach. Perception, illusions and after-effects; signal detection theory; psychoacoustics; real-time computers; psycholinguistics. Publ: Figural after-effects: a psychophysical theory of the displacement effect, 62 & co-auth, Verbal transformations and an effect of instructional bias on perception, 63, *Can. J. Psychol.*; co-auth, Quantification of shared capacity processing in auditory and visual discrimination, *Acta Psychologica*, 67. Address: Defence Research Establishment Toronto, Box 2000, Downsview, Ont, Can.
- TAYLOR, PROF. MILTON C(ECIL), b. Vancouver, B.C., Sept. 24, 16; nat; m. 43; c. 4. **ECONOMICS.** B.S.A., British Columbia, 39, M.S.A., 46; fel, Wisconsin, 49-50, Ph.D., 54. Instr. econ, Mich. State, 46-49; asst. econ, Wisconsin, 50-51; lectr. pub. finance, Puerto Rico, 51-52; dir. res, Dept. Treas., P.R., 52-53; asst. prof, Marquette, 53-55; proj. assoc. Wisconsin, 55-56; assoc. prof. **ECON, MICH. STATE**, 56-60, **PROF.**, 60- Taxation adv. Govt. of Vietnam, 59-60. Consult. Govt. of P.R., 52-53; Pan Am. Union, 61; joint tax prog, Orgn. Am. State-Inter-Am. Develop. Bank, 62-65; inst. admin, Univ. Ife, Nigeria, 66-67. R.C.N., 42-45, Lt. Econ. Asn; Tax Inst. Problems of financing economic development in developing countries; tax policy; problems of tax reform. Publ: Fiscal reform of Panama, 64 & Fiscal reform of Colombia, 65, Johns Hopkins; co-auth, Michigan tax reform, *Mich. State*, 66. Address: Dept. of Economics, Michigan State University, East Lansing, Mich. 48823.
- TAYLOR, DR. MORRIS H, b. Ogden, Utah, July 17, 15; m. 40; c. 6. **AGRICULTURAL ECONOMICS, MARKETING.** B.S., Utah State, 37; M.S., Wisconsin, 38, Ph.D., 58. Dist. engr, agr. adjust. admin, U.S. Dept. Agr., 36-38, collab. forest serv, Fed. Land Bank, St. Paul, Minn., 39, land economist, 40-43; dir. farm labor, **EXTEN. SERV, UTAH STATE**, 44-47, **MKT. SPECIALIST**, 48- Consult. Agr. Econ. Asn. Changing market structure; development of farm organizations. Address: 131 E. Second S, Hyde Park, Utah 84318.
- TAYLOR, PROF. MYRTIE RUTH, b. Wilmar, Ark, Sept. 23, 05; m. 21; c. 2. **PSYCHOLOGY.** B.S., N.Tex. State Col, 42, M.S., 43. Instr. **PSYCHOL**, Little Rock Jr. Col, 46-47; **BAYLOR**, 47-50, **ASST. PROF.**, 50- Psychol. Asn; Acad. Relig. & Ment. Health. Counseling and educational problems; psychology; social problems; mental health. Address: Dept. of Psychology, Baylor University College of Arts & Sciences, Waco, Tex. 76703.
- TAYLOR, PROF. NORMAN EUGENE, b. Oakland, Calif, 20. **ECONOMICS, BUSINESS ADMINISTRATION.** B.A., California, Berkeley, 41, M.B.A., 47; E.G. Cort Mem. Found. fel. & Ph.D.(mkt, econ), Minnesota, Minneapolis, 55. Mem. faculty, Montana, 52-55; mem. faculty, Utah State, Minnesota & Oregon & asst. dir. bur. bus. res, Oregon, 55-62; from assoc. prof. to **PROF. BUS. ADMIN, MONTANA**, 62-, **ADMIN. V.PRES**, 66-, dir. bur. bus. & econ. res, 62-66. Found. Econ. Ed. fel, First Nat. Bank of Oregon, 61; fel, Ford Found. summer res. workshop in mkt, California, Berkeley, 63 & 64; fel, Meet Mod. Sweden Prog, 66. Dir, Forest Indus. Mgt. Center, Ore. Guest lectr. & conf. participant, various fed, state & local orgns. Consult. local state & fed. orgn. & private firms. Mem. adv. cmt, Pac. Northwest Econ. Base Study. Econ. Asn; Mkt. Asn. Price theory; marketing management; managerial economics. Publ: A bidding model for timber purchasing, *Inst. Bus. & Econ. Res.*, University California, Berkeley, 66; Economic aspects of controlled burning, fall 66 & Why land-use planning?, winter 66, *Mont. Bus. Quart.* Address: Office of the President, University of Montana, Missoula, Mont. 59801.
- TAYLOR, PROF. NORMAN W(ILLIAM), b. Wigan, Eng, Jan. 9, 23; m. 53; c. 2. **ECONOMICS.** Dipl., Royal Tech. Col, Eng, 44; B.Sc., London, 50; Hull, 50-51; M.A., Yale, 54, Luria fel, 54-55, Ford & Carnegie fels, 55-57, Ph.D., 58. Exec. officer, war off, Brit. Govt, 48-49; instr. **ECON**, Yale, 57-59; asst. prof, Lawrence Col, 59-62; **ASSOC. PROF. FRANKLIN & MARSHALL COL**, 62-, **CHMN. DEPT.**, 64- Fel, Timothy Dwight Col, Yale, 58-59; vis. prof, Wisconsin, 62; Tunghai, 67-68. Brit. Army, 42-46, Capt. Am. Econ. Asn; Am. Econ. Hist. Asn; Econ. Hist. Soc. Brit; China Soc. Personality and economic development in China and Japan. Publ: Effects of industrialization on French Canadian society, *J. Econ. Hist.*; *L'industrie Canadienne Française et son milieu*, *Recherches Sociographiques*; Adam Smith's first Russian disciple, *Slavonic & E. European Rev.*, 7/67. Address: Dept. of Economics, Franklin & Marshall College, Lancaster, Pa. 17603.
- TAYLOR, DR. ORVILLE W(ALTERS), Hist, see 5th ed, *Dir. Am. Scholars*, Vol. I, Hist.
- TAYLOR, PROF. PAUL N(ASON), b. Boston, Mass, July 10, 15; m. 39; c. 3. **ECONOMICS.** A.B., Boston, 37, A.M., 38, Sleeper fel, 40-42, Ph.D.(econ), 51. Instr. **ECON, CONNECTICUT**, 42-44, asst. prof, 44-57, assoc. prof, 57-66, **PROF.**, 66- Ford Found. consult, Kingdom Saudi Arabia, 65. Econ. Asn; Indust. Rels. Res. Asn. Labor economics and industrial relations; public finance; manpower planning and development. Publ: Connecticut sales tax; co-auth, Five year economic plan for Kingdom of Saudi Arabia, Govt. Saudi Arabia, 67; auth, *The Connecticut Turnpike and labor market relationships*, *Bull. Agr. Exp. Sta. Univ. Connecticut*, 62. Address: 7 Storrs Heights Rd, Storrs, Conn. 06268.
- TAYLOR, PROF. PAUL S(CHUSTER), b. Sioux City, Iowa, June 9, 95. **ECONOMICS.** A.B., Wisconsin, 17; A.M., California, 20, Ph.D., 22, LL.D., 65. Mem. faculty econ, CALIFORNIA, BERKELEY, 22-62, chmn. dept, 52-56, inst. int. studies, 56-62, **EMER. PROF. ECON**, 62- Chief investr, proj. study Mexican labor in U.S., Soc. Sci. Res. Coun, 27-29; Guggenheim Found. Latin-Am. fel, 31; field dir, rural rehab. div, Calif. Emergency Relief Admin, 35; regional labor adv, U.S. Resettlement Admin, 35, 36; vis. prof, inst. land reclamation, Univ. Alexandria, 62-63. Consult, Soc. Security Bd, 36-42; U.S. Dept. Interior, 43-52; Export-Import Bank, 52; U.S. Agency Int. Develop, 55, 58-59, 61-63, res. team, California, 66, Stanford, Res. Inst, 67; UN, 60, 61. U.S.M.C., 17-19, Capt. Human aspects of changing labor and tenure patterns in agriculture, United States and underdeveloped countries; history of plantation, family farm and labor in United States agriculture; water distribution policy in western United States reclamation. Publ: Co-auth, American exodus; auth, Excess land law, execution of public policy, *Yale Law J.*; Plantation agriculture in the United States, 17th to 20th centuries, *Land Econ.* Address: 1163 Euclid Ave, Berkeley, Calif. 94708.
- TAYLOR, DR. PETER A(UBREY), b. Christchurch, N.Z., Mar. 26, 35; m. 58. **STATISTICS, EDUCATION.** B.Sc., New Zealand, 58, dipl. ed. psychol, 61, B.A., 62, Mackenzie fel, 64; M.A., Victoria, N.Z., 63; Macintosh fel, 65-66; Ph.D.(psychomet), Illinois, 66. Lectr. math, Victoria, N.Z., 57-58; teacher, high sch, 58-62; sr. lectr. eq. statist, Victoria, N.Z., 63-64; res. fel, N.Z. Coun. Ed. Res, 64; res. asst. psychomet, Illinois, 65-66; assoc. prof. statist. & ed, Rutgers, 66-68, dir. bur. ed. res, 68-; **ASSOC. PROF. ED, MANITOBA**, 68- Consult. & evaluator, Nat. Defense Ed. Act proj, 64- **AAAS; Psychomet. Soc; Statist. Asn; Ed. Res. Asn; Nat. Coun. Measurement in Ed; Nat. Soc. Study Ed.** Experimental design and analysis; psychometric methods; value and decision theory; educational evaluation. Publ: Co-auth, A theoretical evaluation model, *Man. J. Ed. Res.*, summer, 66; auth, The use of factor-matching in curriculum evaluation, *Ed. & Psychol. Measurement*, summer 67; Where angels fear to tread, *Teachers' Col. Record*, spring 68. Address: Faculty of Education, University of Manitoba, Winnipeg 19, Man, Can.

TAYLOR, PROF. PHILIP E(LBERT), b. Neligh, Nebr., Feb. 29, 06; m. 35; c. 2. **ECONOMICS**. A.B. Doane Col. 28, LL.D. 67; Ph.D. Yale, 34. From instr. to asst. prof., Trinity Col., 32-42; lectr., Amherst Col., 46; from assoc. prof. to **PROF. ECON., CONNECTICUT**, 46- Ford Found. res. grant, 66-67. Fiscal adv. Ministry of Finance, Iran, 54, 56; adv. to gov. Conn., 55; mem. sr. staff, Coun. Econ. Adv. D.C., 56-57; fiscal adv. Govt. Jordan, 59-60, fiscal consult., 62-63, consult. planning bd., 65. Summers, consult. Govt. Saudi Arabia, 63, dir. seminar, Am. Univ. Beirut, 64. U.S.N., 43-46. Econ. Asn. Public finance and taxation. Publ: Economics of public finance. Address: 10 Hillside Circle, Storrs, Conn. 06268.

TAYLOR, PROF. RICHARD W(IRTH), b. Cleveland, Ohio, Jan. 15, 23; m. 46; c. 4. **POLITICAL SCIENCE**. A.B. Illinois, 47, A.M., 48, Ph.D., 50. Instr. **POLIT. SCI.**, Minnesota, 50-52; Lehigh, 52-54, asst. prof., 54-55; Wis. State Col., 55-56; vis. asst. prof., Northwestern, 56-57; assoc. prof., Coe Col., 57-60, prof., 60-67, chmn. dept., 59-67; **PROF. KENT STATE**, 67- Dir. Nat. Sci. Found. undergrad. res. prog. proj., 67 & 68. Chmn., Scattergood Sch. Cmt., 65-67. **Polit. Sci. Asn.** Political theory. Publ: Co-auth., Functions and policies of American government; ed. Life, language, law & Political leaders in action. Address: Dept. of Political Science, Kent State University, Kent, Ohio 44240.

TAYLOR, PROF. ROBERT, b. Madison, Wis., July 16, 16; m. 38; c. 2. **JOURNALISM**. A.B. Wisconsin, 38. Radio news ed., Sta. WIBA, Madison, Wis., 38-48; asst. prof. journalism, WISCONSIN, MADISON, 48-57, dir. news serv., 48-59, assoc. prof. **JOURNALISM**, 57-66, **PROF.**, 66-, **ASST. TO PRES.**, 59- U.S.A., 42-46. Public relations; radio news. Publ: Co-auth., A study of the impact of changing resources on the functions and objectives of higher education, 66 & An opportunity for a major American advance through higher education, 67, Univ. Wisconsin; Allocating wisely, Col. & Univ. Bus., 2/68. Address: 1842 Van Hise Hall, University of Wisconsin, Madison, Wis. 53706.

TAYLOR, DR. ROBERT BARTLEY, b. Pendleton, Ore., Oct. 15, 26; m. 49; c. 3. **ANTHROPOLOGY, SOCIOLOGY**. B.S. Wheaton Col., 49; M.S. Oregon, 51, Wenner-Gren Found. fel., 56, Ph.D., 60. Instr. anthrop., Wheaton Col., 51-54; anthrop. & social, Kansas State, 57-59; vis. asst. prof. sociol., New Mexico, 59-60; **ASST. PROF. ANTHROP. & SOCIOL.**, KANSAS STATE, 60- U.S.A., 46-47. Fel. Anthropol. Asn; Soc. Appl. Anthropol. Mesoamerican ethnology; processes of culture change; applied anthropology. Publ: Conservative factors in the changing culture of a Zapotec town, Human Orgn., summer 66. Address: Dept. of Sociology & Anthropology, Kansas State University, Manhattan, Kans. 66502.

TAYLOR, PROF. ROBERT MARTIN, b. Los Angeles, Calif., Aug. 8, 09; m. 41; c. 3. **GEOGRAPHY**. B.A. Ed. Washington (Seattle), 30, M.A., 31, Ph.D., 56. For. serv. officer, U.S. Dept. State, Mex. China, France, Kenya, Germany & India, 31-53; asst. Washington (Seattle), 54-55; asst. prof. geog., Toronto, 56-57; assoc. prof. mkt. admin., Texas, 57-66; **PROF. GEOG. & CHMN. DEPT. TEXAS CHRISTIAN**, 66- Lectr., Delaware, summer 56; assoc. prof., Portland State Col., 62. Secy. Southwest Coun. Latin Am. Studies, 67-68. Asn. Am. Geog. Economic geography. Publ: Co-auth., Physical distribution: an annotated bibliography, Am. Mkt. Asn. 66 & Marketing logistics: perspectives and viewpoints, Wiley, 67. Address: Dept. of Geography, Texas Christian University, Fort Worth, Tex. 76129.

TAYLOR, ROBERT M(ICHAE), b. Chicago, Ill., Apr. 6, 34; m. 67; c. 1. **SOCIAL PSYCHOLOGY, PUBLIC HEALTH**. B.A., St. Mary's Col., 56; M.S., Portland, 57; Washington (St. Louis), 59-62. Res. fel. psychol. med. sch., Oregon, 57-59; fel. community ment. health, Washington (St. Louis), 59-62; **ASST. DIR. RES. & DEVELOP.**, ST. LOUIS COUNTY HEALTH DEPT., 62- Lectr., Washington (St. Louis), 62-; St. Louis, 62-; res. assoc., Med. Care Res. Center, 67- Res. consult., State Dept. Ment. Health, S.C., 65- Staff psychologist, Am. Cancer Soc., 58-59. U.S.N.R., 52-60. Psychol. Asn; Pub. Health Asn. Community mental health; application of social sciences to public health; evaluation of health services. Publ: Co-auth., Cigarette smoking among high school students, 59 & auth., Parental reinforcement and the adjustment of sixth grade children, 66, Am. J. Pub. Health; co-auth., Educational effects of a school tuberculin testing program, J. Sch. Health, 68. Address: 801 S. Brentwood Blvd., Clayton, Mo. 63105.

TAYLOR, ROBERT M(ILTON), b. Pittsburgh, Pa., Dec. 23, 19; m. 45; c. 3. **CLINICAL PSYCHOLOGY**. B.A., Pa. State Col., 42; M.L., Pittsburgh, 47. Prob. officer, County Juvenile Court, Pa., 41; psychologist, Harrisburg State Hosp., 42; asst. instr. psychol., Pittsburgh, 47; psychologist, Am. Inst. Family Rels., 47, asst. dir., 48-49, dept. personal serv., 49, assoc. dir., dept. counseling, 49-54; **DIR. LOS ANGELES VOC. GUID. CENTER**, 54- **PRES. PSYCHOL. PUB. INC.**, 66- U.S.A., 42-46. Personnel & Guid. Asn; Asn. Marriage Counsr. (secy., 55-61). Marriage counseling; psychotherapy; vocational and diagnostic testing. Publ: Conflict area delineation analysis; co-auth., Taylor-Johnson temperament analysis, Psychol. Pub. Inc., 67. Address: Los Angeles Vocational Guidance Center, 5300 Hollywood Blvd., Los Angeles, Calif. 90027.

TAYLOR, PROF. STANLEY, Social, see 10th ed, Soc. & Behav. Vols. deceased 65.

TAYLOR, PROF. STANLEY ARMOND, b. Provo, Utah, Apr. 11, 34; m. 57; c. 4. **INTERNATIONAL RELATIONS, POLITICAL SCIENCE**. B.S. Brigham Young, 59; M.A. Fletcher Sch. Law, 61, alumni fel. & M.A.L.D., 62. Instr. comp. govt., Tufts, 61-63, Am. & comp. govt., summer, 62; asst. prof. comp. govt., Bentley Col., 63-65, **ASSOC. PROF. INT. RELS.**, 65-68; **BRIGHAM YOUNG**, 68-, instr., summer 61. U.S.A.R., 57-62. **Polit. Sci. Asn; Int. Studies Asn.** Personality and attitude testing on college seniors; attitude data from junior high school students for study in political socialization and developing United Nations curriculum unit. Publ: Grass roots of democracy, Instructor, 7/65; co-auth., Image and generation: a social-psychological analysis of the Sino-Soviet dispute, Brigham Young Univ. Studies, winter 66. Address: Dept. of Political Science, Brigham Young University, Provo, Utah 84601.

TAYLOR, DR. STANLEY H., Speech, see 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.

TAYLOR, PROF. WALTER W(ILLARD), b. Chicago, Ill., Oct. 17, 13; m. 62; c. 5. **ANTHROPOLOGY**. A.B. Yale, 35; New Mexico, 37; univ. fel., Harvard, 40, Hemenway fel., 41-42, Ph.D. (anthrop.), 43. Instr. sci., Ariz. State Teachers Col., 37-38; instr. **ANTHROP.**, Texas, 42-43; Rockefeller fel., 45-46; lectr., Friends Int. Seminars, 48-53; prof., Nat. Inst. Anthropol. & Hist., Mex., 55-58; **PROF. SOUTHERN ILLINOIS**, 58-, chmn. dept., 58-63. Vis. asst. prof., Washington (Seattle), 49, vis. prof., 53; Guggenheim fel., 50-51; prof., Mex. City Col., 55-57; Nat. Sci. Found. res. grants, 62-64 & 66-68. Mem. cmt. archaeol. identifications, Nat. Res. Coun., 55-57, dir. prog. cultural ecol., Nat. Acad. Sci.-Nat. Res. Coun., 59. U.S.M.C., 42, Res., 42-55, Capt. Fel. AAAS; fel. Anthropol. Asn; Soc. Am. Archaeol.; Archaeol. Inst. Cultural theory; archaeological theory and method; archaeology and ethnology of American Southwest and northern Mexico; neolithic cultures of western Europe. Publ: Ed. & contrib. The identification of non-artifactual archaeological materials; auth., A study of archeology, Mem. Am. Anthropol. Asn; Two archaeological studies in northern Arizona, Bull. Mus. North. Ariz. Address: Dept. of Anthropology, Southern Illinois University, Carbondale, Ill. 62901.

TAYLOR, DEAN WELDON J(OHNSON), b. Provo, Utah, June 30, 08; m. 42; c. 2. **MARKETING, ECONOMICS**. B.S. Brigham Young, 34; M.B.A., Harvard, 37; Ph.D. N.Y. Univ., 55. Instr. econ. & acct., Brigham Young, 37-39, asst. prof. acct. & bus. admin., 40-42; price specialist, bd. supvr. & asst. price exec., Off. Price Admin., 43-46; assoc. prof. **MKT. BRIGHAM YOUNG**, 46-54, **PROF.**, 54-, **DEAN COL. BUS.**, 57-, chmn. dept. mkt., 46-57. Found. for Econ. Ed. fel. Bristol Myers, 52; Nat. Biscuit Co., 55. Consult. Greater Utah Valley, Inc., 48-51; Nat. Inst. Mgt. Develop., United Arab Repub., 63-64. **Mkt. Asn.** Development of theory relating marketing to management; price patterns and price elasticity in food store items; development of ingredients essential to managerial responsibility. Publ: Co-auth., Marketing: an integrated analytical approach; auth., Is marketing a science? revisited, J. Mkt., 7/65; Marketing and the strategy of economic development, Int. Sci. Rev. Econ. & Bus., 66. Address: 1921 Oak Lane, Provo, Utah 84601.

TAYLOR, PROF. WILLIAM BAYARD, b. Red Wing, Minn., Sept. 20, 96; m. 20; c. 2. **ECONOMICS, FINANCE**. A.B. Beloit Col., 18; A.M., Minnesota, 23, Ph.D., 28; LL.D. Claremont Men's Col., 61. From assoc. prof. to prof. econ., Kansas, 28-30; assoc. prof., Western Reserve, 30-31; finance, Wisconsin, 31-36, prof., 37-48; finance, **CLAREMONT MEN'S COL. & GRAD. SCH.**, 48-61, dean faculty, 49-61, **EMER. PROF. FINANCE**, 61- Vis. prof., California, Riverside, 62-63; summer lectr., Idaho, 53-65. State price officer, Off. Price Admin., Wis., 42-43, regional price exec., Ill., 43-45. U.S.A., 18-19; Sgt. Econ. Asn. Corporation finance; investments. Publ: Co-auth., Social security and life insurance, Security, 40; auth., Financial policies of business enterprise, Appleton, 42, 56; Overall impact of corporate income tax, Joint Cmt. Econ. Report, 55. Address: 633 W. Eighth St., Claremont, Calif. 91711.

TAYLOR, DR. WILLIAM E(WART), b. Toronto, Ont., Nov. 21, 27; m. 52; c. 3. **ANTHROPOLOGY, ARCHAEOLOGY**. B.A., Toronto, 51; A.M., Illinois, 52, fels., 51-54; Ph.D. (anthrop.), Michigan, 65. Res. asst., Michigan, 54-56; arctic archaeologist, NAT. MUS. CAN., 56-63, div. chief archaeol., 63-67, **DIR. MUS. HUMAN HIST.**, 67- Consult., Univ. Alaska, McGill Univ., State Univ. N.Y., Oxford Press, Que. Ed. TV and others. Chmn. fels. cmt., Arctic Inst. N.Am; Can. mem. permanent coun., Int. Union Prehist. & Prohist. Sci.; secy. Can. cmt. & mem. permanent coun., Int. Union Anthropol. & Ethnol. Sci. AAAS. Archaeology of Arctic North America. Publ: Hypotheses on the origin of Canadian Thule culture, Am. Antiquity, 63; An archaeological perspective on Eskimo economy, Antiquity, Eng., 6/66; Memoir 22, Soc. Am. Archaeol., 68. Address: Museum of Human History, National Museums of Canada, Ottawa 4, Ont., Can.

TAYLOR, DR. WILLIAM M(EIER), b. Des Moines, Iowa, Sept. 3, 20; m. 45; c. 2. **PSYCHOLOGY**. A.B. Georgetown Col., 48; M.S., Purdue, 50, fel., 50-51, Ph.D. (exp. physiol. psychol.), 53. Instr. psychol., Beloit Col., 51-53; prof. & head dept., Georgetown Col., 53-57; asst. prof. & consult. psychol. res. serv., Western Reserve, 57-59; assoc. prof. & head of lab., Akron, 59-61; consult. bionics res., Goodyear Aerospace Corp., 61, head behav. sci. lab., life sci. res. dept., 61-62, dir. physiol. psychol. lab., 62-65; **PROG. ADMINSTR. BEHAV. SCI. & EXEC. SECY. BEHAV. SCI. TRAINING PROG. RES. TRAINING GRANTS BR. NAT. INST. GEN. MED. SCI.**, 65- Sig.C, U.S.A., 43. AAAS; Psychol. Asn. Physiological-comparative psychology; animal behavior; psychopharmacology; electrophysiology; learning; thermoregulatory processes; graduate research training in the behavioral sciences. Publ: Co-auth., Laboratory experiments in general psychology, Oxford Univ. Relationship under stress between changes in skin temperature, electrical skin resistance and pulse rate, J. Exp. Psychol. & A statement on bio-telemetry, In: Vol. II, Bio-medical sciences instrumentation, Plenum, 64. Address: National Institute of General Medical Sciences, Bethesda, Md. 20014.

TAYLOR, PROF. WILLIAM S(ENTMAN), b. Passaic, N.J., Mar. 15, 94; m. 25; c. 2. **PSYCHOLOGY**. B.S. Gettysburg Col., 16, D.Sc., 67; A.M., Harvard, 20, Walker fel., 20-21, Ph.D. (philos.), 21; M.S., Wisconsin, 23. Lectr. psychol., Bryn Mawr Col., 21-22; instr. philos., Wisconsin, 22-23; prof., Maine, 23-26; **PSYCHOL. SMITH COL.**, 26-62, **EMER. PROF.**, 62- Dipl. Am. Bd. Exam. Psychol. Hypnosis. U.S.N.R.F., 18-19. Fel. Psychol. Asn; Soc. Clin. Hypnosis; Int. Soc. Clin. & Exp. Hypnosis; Psychopath. Asn. Abnormal psychology; psychotherapy; theory. Publ: Readings in abnormal psychology and mental hygiene; Morton Prince and abnormal psychology; Dynamic and abnormal psychology. Address: 27 Langworthy Rd., Northampton, Mass. 01060.

TAYLOR, DR. WILSON L(EWIS), b. Kongju, Korea, Dec. 23, 08; U.S. citizen; m. 38, 41; c. 1. **EXPERIMENTAL PSYCHOLOGY, COMMUNICATIONS**. B.A., Morningside Col., 30; M.A., Iowa, 37; M.S., Tulane, 51; Ph.D. (exp. psychol. of commun.), Illinois, 54. Asst. prof. journalism, South Dakota, 46-48; Tulane, 48-52; asst. mass. commun. inst. commun. res., Illinois, 52-54, res. assoc., 54-55, res. asst. prof., 55-57; res. psychologist, Nat. Inst. Ment. Health, 57-61; **DIR. PROG. COMMUN. RES. BEHAV. & CLIN. STUDIES CENTER, ST. ELIZABETHS HOSP.**, 61- U.S.A., 42-46, Lt. AAAS; Psychol. Asn; Am. Ed. Journalism; Statist. Asn. Psychology of mental illness and verbal behavior; psycholinguistics; physiological correlates of emotions. Publ: Close reliability scores as indices of individual differences in comprehension and aptitude, J. Appl. Psychol., 2/57; co-auth., Some contributions to average rank

- correlation methods and to the distribution of the average rank correlation coefficient, 9/63 & auth. Correcting the average rank correlation coefficient for ties in rankings, 9/64, J. Am. Statist. Assn. Address: Program for Communications Research, Behavioral & Clinical Studies Center, St. Elizabeths Hospital, Washington, D.C. 20032.
- TAYLOR, PROF. ZACHARY, JR.**, b. West Palm Beach, Fla, June 3, 25; m. 50; c. 3. **ECONOMICS**. A.B. North Carolina, 45; Alabama, 46-48; Ph.D. Illinois, 57. Instr. econ. Clemson Agr. Col., 49-50; Xavier, 54-56; PROF. ECON. & BUS. ADMIN. & CHMN. DEPT. LA GRANGE COL., 58-; HEAD DIV. SOC. SCI., 63-; registr., 58-62. U.S.N., 44-46, Res., 46-66, Lt. Econ. Asn. Secondary boycott under the Taft-Hartley Act; common market and the United States; economic education in the public schools. Address: Dept. of Business Administration, La Grange College, La Grange, Ga. 30240.
- TAYYEB, PROF. A.**, b. Sitapur, India, Mar. 20, 22; Can. citizen; m. 48; c. 3. **GEOGRAPHY**. B.A. Muslim Univ. Aligarh, India, 43, M.A., 44; M.A., Toronto, 60. Asst. geologist, Geol. Surv. India, 44-46, surv. officer, Geol. Surv. India, 46-48; lectr. geog. Govt. Col. Rawalpindi, W. Pakistan, 48-50; from lectr. to ASSOC. PROF. GEOG. TORONTO, 52- Res. grants, Humanities & Soc. Res. Coun. Can., 60- & Can. Coun., 68. Consult. Govt. Prov. Ont., 52-60. Am. Geog. Soc.; Can. Asn. Geog.; Can. Inst. Int. Affairs. Planning; conservation; political geography. Publ: Pakistan—a political geography, Oxford Univ. 66. Address: Dept. of Geography, University of Toronto, Toronto, Ont, Can.
- TEACH, DR. RICHARD D.**, b. New Carlisle, Ohio, Apr. 12, 38; m. 60; c. 2. **MARKETING, ECONOMICS**. B.S., Ohio State, 60, M.B.A., 61; Ph.D.(econ), Purdue, 68. ASST. PROF. MKT. STATE UNIV. N.Y. BUFFALO, 66- Mkt. Asn; Econ. Asn; Inst. Mgt. Sci. Metric and non-metric models of consumer behavior and laboratory experiments for measuring the demand for consumer goods. Publ: Co-auth, Consumer behavior research project, Purdue, 65; Pricing experiments, scaling consumer preferences and predicting purchase behavior, Am. Mkt. Asn., 66 & A single subject scaling model using judged distances between pairs of stimuli, Inst. Res. Behav., Econ. & Mgt. Sci., 66. Address: Dept. of Marketing, State University of New York at Buffalo, 329 Crosby Hall, Buffalo, N.Y. 14214.
- TEAF, PROF. HOWARD M(ORRIS), JR.**, b. Philadelphia, Pa., Oct. 23, 03; m. 27; c. 1. **ECONOMICS**. B.S., Pennsylvania, 24, A.M., 33, Ph.D., 35. Instr. ECON. HAVERFORD COL., 32-38, asst. prof., 38-43, assoc. prof., 43-46, PROF., 46- Vis. prof. Inst. Soc. Studies, The Hague, 53-54. Asst. dir. finance & statist. & res. consult, Works Prog. Admin., Pa., 35-37; ins. consult, Home Loan Bank Bd, 39, head economist, 41-42; ins. consult, UNRRA, 45-46; trustee, exec. cmt. Am. Freedom from Hunger Fedn., 64- Chmn. Scandinavian submt. Am. Friends Serv. Cmt. 47-49, econ. surv. Finland, 47, submt. soc. & tech. assistance, 50-53, 55-; bd. dir. 55-61. Pub. mem. & panel chmn, War Labor Bd, Phila., 44-46. Econ. Asn; Acad. Arbit; Acad. Polit. & Soc. Sci; Indust. Rel. Res. Asn. Labor relations and social security; corporation finance; economic development. Publ: Self-insurance of workmen's compensation in Pennsylvania; ed, Hands across frontiers, case studies in technical cooperation. Address: 2000 Old Gulph Rd, Villanova, Pa. 19085.
- TEAGARDEN, DR. FLORENCE M.**, b. Dallas, W.Va., Sept. 5, 87. **PSYCHOLOGY**. A.B., Pittsburgh, 15, fel. 15-16, A.M., 16; Ph.D.(psychol), Columbia, 24. Instr. PSYCHOL, PITTSBURGH, 16-19, asst. prof., 19-29, assoc. prof., 29-31, prof., 31-57, EMER. PROF., 57- Private practice, 57- Dipl. Am. Bd. Exam. Prfl. Psychol. AAAS; fel. Psychol. Asn; fel. Orthopsychiat. Asn; fel. Soc. Res. Child Develop. Clinical and child psychology; behavior. Address: 726 Gypsy Lane, Pittsburgh, Pa. 15228.
- TEAHAN, DR. JOHN ERNEST**, b. Windsor, Ont, Mar. 8, 28; m. 57; c. 1. **CLINICAL PSYCHOLOGY**. B.A. Assumption Col., 49; M.A. Western Ontario, 52; Ph.D. Mich. State, 57. Psychol. intern. psychopath. hosp, Univ. Iowa, 53-54; psychol. examiner, Boy's Voc. Sch., Mich., 54-55; psychologist, pub. schs., Mich., 55-56; sr. clin. psychologist, State Hosp., Conn., 57-59; clin. psychologist, Southwest. Ment. Health Center, Minn., 59-61; asst. prof. student counseling, Wisconsin, Milwaukee, 61-67; ASSOC. PROF. PSYCHOL., WAYNE STATE, 67- Clin. psychologist, Jewish Voc. Serv., Wis., 61- Dipl. clin. psychol., Am. Bd. Exam. Prfl. Psychol. U.S.A.F., 46-47, 51-52. Psychol. Asn; Group Psychother. Asn. Time perspective and relationship between parental attitudes towards child rearing and academic achievement, effects of audiovisual techniques on racial self-concept of Negroes and ethnocentrism among whites. Publ: Parental attitudes and academic achievement, J. Clin. Psychol; Future time perspective, optimism and academic achievement, J. Abnorm. & Soc. Psychol; Comparative study of northern and southern Negroes on the Wechsler Intelligence Scale for Children, J. Consult. Psychol. Address: 18935 Wildemere, Detroit, Mich. 48221.
- TEAL, DR. GILBERT E(ARLE)**, b. Baltimore, Md, July 22, 12; m. 47; c. 3. **INDUSTRIAL PSYCHOLOGY**. B.S., Maryland, 37; fel. N.Y. Univ., 38-40, M.A. & M.Ad.E., 47, D.Eng.Sc., 52, Ph.D.(ed), 56. Eng. inspector, Travelers Ins. Co., 37-39; safety supvr, U.S. Rubber Co., Conn., 39-41; dep. quartermaster, Pac. area, U.S. Air Force, 45, chief eng. & standards br. & dept. chief ground safety div., 46, dep. exec. & spec. mil. asst. to Secy. Air Force, 48-52, dep. chief prog. div. hqs. Europe, 52-53, chief joint proj. br., mil. assistance div., 53-55, v.comdr, personnel & training res. center, Lackland Air Force Base, Tex., 56-57, pres. phys. eval. bd., 57-58; prof. air sci. & head dept., Purdue, 58-60; V.PRES. & CHIEF SCIENTIST, DUNLAP & ASSOCs, 60-; DIR. CENTER ACCIDENT PREV. BEHAV. SCI. DIV., 68- Instr., Univ. Maryland Overseas Prog., 53-55; instr. psychol. & indust. rels., Norwalk Community Col., 63-66; res. assoc. prof. ed, N.Y. Univ., 66-68. V. chmn. air transport sect, Nat. Safety Coun; mem. Bd. Ed. Newtown, 65-66; Hwy. Res. Bd, Nat. Acad. Sci-Nat. Res. Coun. U.S.A., 35-42; U.S.A.F., 42-60, Col; Bronze Star Medal. Fel. AAAS; fel. Pub. Health Asn; fel. Soc. Appl. Anthropol; Psychol. Asn; N.Y. Acad. Sci. Human engineering; industrial management; personnel relations; highway and industrial safety; space medicine; training methodology; education of gifted children. Publ: Contrib, Handbook of applied psychology; Accident hazards incident to the development and testing of jet propulsion and reaction motors; Your car and safe driving, Macmillan. Address: 7 Currutuck Rd, Newtown, Conn. 06470.
- TEAR, DR. DANIEL G(RANT)**, b. Schenectady, N.Y., Sept. 11, 26; m. 50; c. 2. **CLINICAL PSYCHOLOGY**. B.A. Colgate, 50; M.S., Pa. State, 52; res. fel., 52-54, Ph.D., 55. Coordinator, Hazeltine Elec. Corp., 50-51; res. investigator, inst. coop. res., Pennsylvania, 54-58; CONSULT. PSYCHOLOGIST, NORDLI WILSON ASSOCS, 56- Instr., Pa. State, 55. Psychol. Asn; N.Y. Acad. Sci. Human factors of communication; social perception; development of human resources; psychological consulting with management; psychotherapy. Publ: Psychological consulting applied to banking; Effects of symbol and positional preference on response; Relationship of cooperation to the sharpening-leveling continuum, J. Soc. Psychol. Address: Nordli Wilson Associates, 27 Elm St, Worcester, Mass. 01608.
- TEARE, DR. ROBERT JOHN**, b. Cleveland, Ohio, Feb. 9, 33; m. 55; c. 5. **INDUSTRIAL PSYCHOLOGY**. B.S., St. Louis, 55; M.S., Purdue, 57, Ph.D. (indust. psychol), 60. Asst. exp. psychol., St. Louis, 55-56; indust. psychol., Purdue, 56-57, res. assoc. voc. rehab., 57-60; from asst. prof. to assoc. prof. psychol., Wichita, 60-64; res. scientist, Human Sci. Res. Inc., 64-68; ASSOC. PROF. MGT, GEORGIA, 68- Human factors consult, Boeing Airplane Co., Kans., 62-64; consult. div. hosp. & med. facilities, U.S. Pub. Health Serv., 66-; South. Regional Ed. Bd, Atlanta, 68- Exec. v.pres, Rehab. Codes, Inc., N.Y., 68- Psychol. Asn. Rehabilitation of the visually disabled; human factors engineering; psychological measurement and statistics. Publ: Co-auth, Investigation of vocational success with the blind. Address: 185 Kings Rd, Athens, Ga. 30601.
- TEAS, DR. DONALD C(LAUDE)**, Physiologist, see 11th ed, Phys. & Biol. Vols.
- TEBBUTT, PROF. ARTHUR R(OTHWELL)**, b. New Bedford, Mass., Nov. 10, 06; m. 32; c. 2. **ECONOMICS, STATISTICS**. A.B. Brown, 27; A.M., Harvard, 30, Ph.D.(econ), 35. Instr. bus. statist., Harvard, 27-35; asst. prof. econ., Brown, 35-40, dir. bur. bus. res., 36-40; PROF. STATIST., NORTHWESTERN, 40-; dean grad. sch., 45-51. Consult., 40- Econ. Asn; Economet. Soc; fel. Statist. Asn. Bank deposit insurance; price behavior. Publ: Government regulations of sugar in World War II; Behavior of consumptions in business depression; co-auth, Economic statistics. Address: Dept. of Statistics, Northwestern University School of Commerce, Evanston, Ill. 60204.
- TEBEAU, ROBERT L(EWIS)**, b. Buffalo, N.Y., Apr. 26, 11; m. 43; c. 1. **STATISTICS**. B.C.S., N.Y. Univ., 34, M.B.A., 47. Res. statistician, Dun & Bradstreet, Inc., 36-42, 44-53; CHIEF STATISTICIAN, MERRILL LYNCH, PIERCE, FENNER & SMITH, INC., 53- Instr., Hofstra Col., 50-51. Economist, War Prod. Bd., 42-44. Statist. Asn; Econ. Asn; Asn. Bus. Econ. Financial statistics; business conditions; security analysis. Publ: An index to operating and financial ratios. Address: 10 Arbor Lane, Huntington, N.Y. 11743.
- TEBOR, PROF. IRVING B.**, b. Lakewood, N.J., Jan. 14, 25; m. 49; c. 5. **SOCIAL WORK**. B.Sc., Northern Illinois, 49; A.M., Chicago, 51; Ph.D.(family life), Ore. State Col., 55. Vis. soc. counsr., pub. schs., Ill., 51-52; soc. worker, Wis., 52-55; Brown fel., 55-57; PROF. SOC. WORK, SAN DIEGO STATE COL., 57- UN tech. assistance soc. work training adv. Govt. Indonesia, 62-63. U.S.N., 42-46. Social welfare; the family; sex behavior of adolescents. Publ: Co-auth, Social work: a helping profession in social welfare, Coun. Soc. Work Ed., 67. Address: School of Social Work, San Diego State College, San Diego, Calif. 92115.
- TEDESCHI, DR. JAMES T(HEODORE)**, b. Coatesville, Pa., Oct. 4, 28; m. 52; c. 4. **EXPERIMENTAL PSYCHOLOGY**. A.B. Miami (Fla.), 56, M.S., 58; univ. scholar & fel. Michigan, 57-58, Ford Found. fel., 58-59, Ph.D., 60. Asst. dir. placement serv., Miami (Fla.), 54-56, asst., 56-57; asst. prof. PSYCHOL., Utah State, 59-61; ASSOC. PROF., MIAMI (FLA.), 61- U.S.A., 51-52, Sgt. Psychol. Asn. Interpersonal, intergroup and international conflict; social influence and power; developmental aspects of conflicts; general social psychology. Publ: Co-auth, Psychology and international relations, Am. Behav. Scientist, 64; auth, Prediction control in the multiple environment problem, Psychol. Record, 66; co-auth, Matrix values and cooperative behavior in the prisoner's dilemma game, J. Personality and Soc. Psychol., 68. Address: Dept. of Psychology, University of Miami, Coral Gables, Fla. 33124.
- TEDFORD, PROF. JOHN RICHARD**, b. Manchester, Conn., Nov. 16, 23; m. 55; c. 2. **AGRICULTURAL ECONOMICS**. B.S., Connecticut, 50, M.S., 51; Ph.D. (agr. econ), Iowa State, 60. Instr. agr. econ., Rhode Island, 51-53, asst. prof., 53-55; agr. economist, Tenn. Valley Authority, 58-60; asst. prof. agr. econ., Missouri, Columbia, 60-64; ASSOC. PROF. ECON., CLARKSON TECH., 64- U.S.A.A.F., 43-45, 2nd Lt. Agr. Econ. Asn. Managerial economics; statistics; micro-economics; decision theory. Publ: Co-auth, Generalization of the working method for estimating long run elasticities; auth, Analytics of decision making, J. Farm Econ., 64. Address: Dept. of Economics, Clarkson College of Technology, Potsdam, N.Y. 13676.
- TEEL, DR. KENNETH S(TREIB)**, b. St. Louis, Mo., Sept. 25, 25; m. 50; c. 2. **PSYCHOLOGY**. A.B., Washington (St. Louis), 46, Ph.D.(psychol), 50. Res. psychologist, U.S. Dept. Air Force, 50-54; dir. admin., St. Louis County Health Dept., 54; dir. training, Perceptual Develop. Labs., 54-55; staff scientist, ops. res., Lockheed Aircraft Corp., 55-56; human factors, Douglas Aircraft Co., 56-58; MGR. HUMAN FACTORS DEPT., AUTONETICS DIV., N.A.M. ROCKWELL CORP., 58- Lectr., Calif. State Col. Long Beach, 64- Dipl., Am. Bd. Exam. Prfl. Psychol., 58. Fel. Psychol. Asn; Human Factors Soc. Performance evaluation; human engineering; employee development. Address: 6511 Driscoll St, Long Beach, Calif. 90815.
- TEELE, DR. JAMES EDWARD**, b. Richmond, Va., Mar. 29, 27; m. 66. **SOCIOLOGY**. B.A., Va. Union, 49; M.A., N.Y. Univ., 54, Ph.D.(sociol), 61; City Col. New York, 58-59. Instr. sociol., Ark. Baptist Col., 49-50; group worker, New York City Youth Bd., 55-56; voc. counsr., N.Y. State Dept. Labor, 58-59; asst. sociol., dept. pub. health practice, sch. pub. health, Harvard, 59-61; staff sociologist, Judge Baker Guild Center, 61-63, dir. res., Newton-Baker Delinquency Proj., 63-65; ASST. PROF. SOCIOLOGY, DEPT. MATERNAL & CHILD HEALTH, SCH. PUB. HEALTH, HARVARD, 65- Russell Sage fel., 61-63; lectr., sch. continuing ed, Boston Univ., 61-63, law-med. inst., 66-67;

lectr. law sch, Boston Col, 65-67. Consult. Newton-Baker Proj, Judge Baker Guid. Center, 65-67. U.S.A., 50-52, Sgt. Sociol. Assn. Control of delinquency; delivery of health and welfare services to those in need; effects of school integration on achievement. Publ: Co-auth, Religious identity and church attendance of sons of religious intermarriages, *Am. Sociol. Rev.*, 2/67 & Factors related to social work services for mothers of babies born out of wedlock, *Am. J. Pub. Health*, 8/67; auth, Correlates of voluntary social participation, *Genetic Psychol. Monogr.*, 67. Address: Dept. of Maternal & Child Health, School of Public Health, Harvard University, 55 Shattuck St, Boston, Mass. 02115.

TEELE, DEAN STANLEY F(ERDINAND), Bus. Admin, see 10th ed, Soc. & Behav. Vols, deceased 67.

TEES, DR. RICHARD C(HISHOLM), b. Montreal, Que, Oct. 31, 40; m. 62; c. 2. PSYCHOLOGY. B.A. McGill, 61; Ph.D.(biopsychol), Chicago, 65. ASST. PROF. PSYCHOL, BRITISH COLUMBIA, 65- Res. grants, Nat. Res. Coun, 66-69 & Med. Res. Coun, 67-69. Can. Psychol. Assn; Am. Psychol. Assn; Int. Neuropsychol. Soc. Physiological psychology; sensory and perceptual processes; early experience and perceptual learning. Publ: Effects of early auditory restriction in the rat on later adult pattern discrimination, *J. Comp. & Physiol. Psychol.*, 67; Effects of early auditory restriction on the rat on adult duration discrimination, *J. Audiology Res.*, 67; Effect of amount of perceptual learning upon disappearances observed under reduced stimulation conditions, *Perception & Psychophysics*, 67. Address: Dept. of Psychology, University of British Columbia, Vancouver 8, B.C., Can.

TEETER, DR. KARL V(AN DUYN), Ling, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

TEETERS, PROF. NEGLEY K(ING), b. Steubenville, Ohio, Nov. 16, 96. SOCIOLOGY. A.B. Oberlin Col, 20; A.M. Ohio State, 25, Ph.D. 31. From instr. to assoc. prof. SOCIOL, TEMPLE, 27-45, chmn. dept, 48-56, prof, 45-61, EMER. PROF, 61- U.S. Dept. State res. grant, S.A.M., 44; vis. prof, Hartwick Col, 61- Sociol. Assn. Criminology; world penal systems. Publ: The cradle of the penitentiary; The prison at Philadelphia; Hang by the neck. Address: 15 Maple St, Oneonta, N.Y. 13820.

TEEVAN, PROF. RICHARD C(OLLIER), b. Shelton, Conn, June 12, 19; m. 45; c. 4. PSYCHOLOGY. B.A. Wesleyan, 51; fel, Michigan, 51-53, M.A., 52, Ph.D., 55. Instr. PSYCHOL, Michigan, 53-57; asst. prof, Smith Col, 57-60; assoc. prof, BUCKNELL, 60-64, PROF, 64- Assoc. dir, U.S. Off. Naval Res. grant, 58-61, dir, 61-; res. assoc, U.S. Off. Ed. res. grant, 61-; Class 1956 lectr, 66-67. Consult, Upper Susquehanna Valley Proj, 60-61. Lindback award, 66. U.S.A., 41-42, U.S.A.A.F., 42-47, Capt. AAAS; Psychol. Assn. Motivation and personality; achievement and fear of failure. Publ: Theories of motivation in personality and social psychology, *Van Nostrand*, 65; Motivation, McGraw, 67; Fear of failure, *Van Nostrand*, 68. Address: Dept. of Psychology, Bucknell University, Lewisburg, Pa. 17837.

TEFERTILLER, PROF. KI(ENNETH) R(AY), b. Noble, Okla, May 2, 30; m. 58; c. 1. AGRICULTURAL ECONOMICS. B.S. Okla. State, 52, M.S., 57; fel, Illinois, 57-59, Ph.D., 59. Asst. agr. econ, Okla. State, 55-56, res. instr, 56-57; asst. prof, Agr. & Mech. Col, Tex. 59-65, chmn. prod. econ. & farm mgt. sect, 61-65; PROF. AGR. ECON. & CHMN. DEPT, INST. FOOD & AGR. SCI, FLORIDA, 65- Consult, econ. res. serv, U.S. Dept. Agr, 61. U.S.A., 52-54, Res, 54-, Capt. Agr. Econ. Assn. Production economics and farm management. Publ: Rates of concentrate-roughage substitution and economic optimums in feeding yearling steers and heifers, *West. J. Farm Econ*; co-auth, Importance of weather variability on management decisions, *J. Farm Econ*. Address: Dept. of Agricultural Economics, Institute of Food & Agricultural Sciences, University of Florida, Gainesville, Fla. 32603.

TEFFT, DR. STANTON KNIGHT, b. Chicago, Ill, Jan. 25, 30; m. 62; c. 1. ANTHROPOLOGY. B.A. Mich. State, 52; M.S. Wisconsin, 55; Ph.D. (anthrop), Minnesota, 60. Asst. prof. ANTHROP, Westminster Col, 61-64; ASSOC. PROF, WAKE FOREST, 64- Nat. Insts. Health res. grant, 62-63; Nat. Sci. Found. res. grant, summer 66. Fel. Anthropol. Assn; Sociol. Assn. The role of values in sociocultural integration and change; culture and personality; social movements in promoting or retarding culture change. Publ: Co-auth, Study guide to Hoesel's anthropology, McGraw, 67; auth, From band to tribe on plains, *Plains Anthropologist*, 65; Anomie, values and culture change among teen-age Indians, *Ed. Sociol.*, spring 67. Address: Box 7352, Wake Forest University, Winston-Salem, N.C. 27109.

TEFT, DR. LEON W(ILLIAM), b. New York, N.Y., Oct. 6, 35; m. 58. PSYCHOLOGY. B.A. Bridgeport, 61; fel. & scholar, Clark, 61-62, A.M., 62, Nat. Inst. Ment. Health fel, 63-65, Ph.D.(psychol), 66. Teaching asst, Clark, 62-63; ASST. PROF. PSYCHOL, BRIDGEPORT, 65- Res. assoc, Nat. Sci. Found. res. grant, 67. U.S.M.C., 53-56. AAAS; Psychol. Assn. Receptor mechanisms in the human visual system; visual masking effects; developmental problems in perception. Publ: Co-auth, Relation between perceptual and conceptual operations: numerical distance and visual extent, *Brit. J. Psychol.*, 64; auth, Chromatic factors in visual masking, *Dissertation Abstracts*, 65. Address: Dept. of Psychology, University of Bridgeport, Bridgeport, Conn. 06602.

TEGEDER, REV. VINCENT G(EOERGE), O.S.B, Hist, Polit. Sci, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

TEGHTSOONIAN, PROF. ROBERT, b. Toronto, Ont, Feb. 4, 32; m. 58. EXPERIMENTAL PSYCHOLOGY. B.A. Toronto, 54, M.A., 55; Nat. Res. Coun. Can. scholar, 55-58; univ. fel, Harvard, 56-57, Ph.D., 58. Instr. PSYCHOL, Pennsylvania, 58-61; asst. prof, Middlesex Col, Western Ontario, 61-62; SMITH COL, 62-65, ASSOC. PROF, 65- AAAS; Psychol. Assn; Psychonomic Soc. Memory and human verbal learning; perception and psychophysics. Publ: One-trial learning directly observed, 64 & The influence of number of alternatives on learning and performance in a recognition task, 65, *Can. J. Psychol.*; co-auth, Seen and felt length, *Psychonomic Sci*, 65. Address: Dept. of Psychology, Smith College, Northampton, Mass. 01060.

TEICHER, DR. ARTHUR, b. Dupont, Pa, Apr. 16, 14; m. 41; c. 2. CLINICAL PSYCHOLOGY. B.A. City Col. New York, 38; M.A., 47; Ph.D.(psychol), N.Y. Univ, 53. Clin. psychologist, Vet. Admin. Ment. Hyg. Clin, Newark Regional Off, 46-56; ASST. PROF. PSYCHOL, LONG ISLAND, 53-; CLIN. PSYCHOLOGIST, 54- Chief group psychother. dept, Ment. Health Inst, New York, 59- Consult, Jamaica Hosp, N.Y., 46- U.S.A., 42-46. Psychol. Assn. Perceptual processes; projective psychology; group therapy. Publ: Effects of electroconvulsive therapy on visual perceptual reactions of schizophrenic patients; Clinical approach to reporting psychological test data, *J. Clin. Psychol.*; Use of conflicting loyalties in combined individual and group psychotherapy with separate therapists, *Int. J. Group Psychother.* Address: 215 W. 88th St, New York, N.Y. 10024.

TEICHER, PROF. HENRY, Math. Statist, see 11th ed, Phys. & Biol. Vols.

TEICHER, DEAN MORTON IRVING, b. New York, N.Y., Mar. 10, 20; m. 41; c. 2. ANTHROPOLOGY, SOCIAL WORK. B.S.S. City Col. New York, 40; M.S.W. Pennsylvania, 42; Ph.D.(anthrop), Toronto, 56. Chief soc. worker, U.S. Vet. Admin, 46-48; asst. prof. soc. work psychiatrist, Toronto, 48-56; DEAN SOC. WORK, YESHIVA, 56- Seminar assoc, creativity in sci, N.Y. Univ, 60-; vis. scholar, Michigan, 66. Consult, Oppenheimer Col, Lusaka, Zambia, Africa, 62-63; Bar-Ilan Univ, Israel, 65- Med. Dept, U.S.A., 42-46, 1st Lt. Fel. Anthropol. Assn; fel. Soc. Appl. Anthropol; Nat. Assn. Social Workers. Cross-cultural psychopathology; creativity in science. Publ: Windigo psychosis, Univ. Seattle, 60; co-auth, Essays on creativity in the sciences, N.Y. Univ, 63; Values in social work, Nat. Assn. Soc. Workers, 66. Address: Yeshiva University, 55 Fifth Ave, New York, N.Y. 10003.

TEICHERT, DR. PEDRO C(ARLOS) M(AXIMO), b. Santa Fe, Argentina, Feb. 13, 25; nat; m. 54; c. 3. ECONOMICS. B.A. Mex. City Col, 50, M.A., 51; fel, Texas, 52-54, Ph.D.(econ), 55. Instr. econ. La. State, 54-55; asst. prof, Michigan, 55-57; prof. econ. & finance, Mississippi, 57-67; CHMN. FACULTIES ECON, BUS. & MGT. & POLIT. SCI, WEST FLORIDA, 67- Fulbright-Hays sci. lectr, Buenos Aires, 64; summer, Nat. Defense Ed. Act scholar, Texas, 63. German Navy, 43-45; Argentina Army, 46-47. Econ. Assn; Asn. Latin Am. Studies. Latin America; economic growth and development; economic policy and the process of industrialization in Latin America and other underdeveloped areas. Publ: *Revolucion economica e industrializacion en America Latina*; *Survival U.S.A.*: the ideological struggle of a capitalistic welfare state; *Die Problematik der entwicklungstheorien, Wirtschaftsdiensnt*. Address: Dept. of Economics, University of West Florida, P.O. Box 2698, Pensacola, Fla. 32504.

TEICHMAN, DR. ROBERT, Statist, see 11th ed, Phys. & Biol. Vols.

TEICHSNER, PROF. WARREN H(ARDING), b. Newark, N.J., Mar. 4, 21; m. 41; c. 3. PSYCHOLOGY. B.A. Oklahoma, 47, M.S., 48; Ph.D.(exp. psychol), Iowa, 51. Res. psychologist human eng, aero med. lab, Wright Air Develop. Center, 49, 51-52; chief psychol. br, Qm. Res. & Eng. Center, 52-57; prof. psychol, Massachusetts, Amherst, 57-65; res. coordinator, Tufts, 65-66; PROF. PSYCHOL, NORTHEASTERN, 66- Consult, investr. sch. pub. health, Harvard, 58- Ed. J. Gen. Psychol. U.S.A.A.F., 43-45. AAAS; Psychol. Assn; Human Factors Soc.(Ely res. award, 66); Psychonomic Soc; Soc. Psychophysiol. Res. Psychophysiology; environmental factors; perception. Publ: Subjective reaction to the thermal environment, *Human Factors*, 67; Digital vasomotor conditioning and body heat regulation, *Psychophysiology*, 68; The interaction of behavioral and physiological stress reactions, *Psychol. Rev.*, 68. Address: Dept. of Psychology, Northeastern University, Boston, Mass. 02115.

TEICHROEW, PROF. DANIEL, Math, see 11th ed, Phys. & Biol. Vols.

TEIGEN, DR. RONALD LESLIE, b. Kenyon, Minn, Apr. 12, 31. ECONOMICS. B.B.A. Minnesota, 52, M.A., 55; Ford Found. fel, Mass. Inst. Tech, 59-62, Ph.D.(econ), 62. Mkt. res. analyst, Gen. Elec. Co, 56-58; instr. ECON, St. Olaf Col, 58-59; asst. prof, MICHIGAN, 62-66, ASSOC. PROF, 66- Ford Found. faculty res. fel, 65-66. U.S.A.F., 52-54, Res, Maj. Econ. Assn; Economet. Soc; Finance Assn. Demand and supply functions for money; lags in fiscal policy. Publ: Co-ed, Readings in money, national income, and stabilization policy, Irwin, 65; auth, A structural approach to the impact of monetary policy, *J. Finance*, 5/64; Demand and supply functions for money in the United States: some structural estimates, *Econometrica*, 10/64. Address: Dept. of Economics, University of Michigan, Ann Arbor, Mich. 48104.

TEIGLAND, DR. JOHN J(AY), b. Fargo, N.Dak, May 10, 34; m. 55; c. 2. PSYCHOLOGY, EDUCATION. B.A. Chico State Col, 57; M.S. N. Dak. State, 62; Nat. Inst. Ment. Health fel. & Ph.D.(counseling, guid), North Dakota, 64. Instr. psychol, Trinity Col, 59-60; ASST. PROF. counseling & guid, North Dakota, 63-66; DEPT. ED, N.DAK. STATE, 67- U.S. Off. Ed. res. grants, 63-64 & 65-67, planning grant, 67. Psychol. Assn. Use of counseling approaches in the school setting. Publ: Co-auth, The effects of selected counseling and remedial techniques on underachieving elementary school students, *J. Counseling Psychol.*, 65; Some concomitants of underachievement at the elementary school level, *Personnel & Guid.*, J. 66; auth, Relationship between measured teacher attitude change and certain personality characteristics, *J. Ed. Res.*, 66. Address: Dept. of Education, North Dakota State University, Fargo, N.Dak. 58102.

TEITELBAUM, DR. PERRY D, Econ, see 10th ed, Soc. & Behav. Vols, deceased 66.

TEITELBAUM, PROF. PHILIP, Psychol, see 11th ed, Phys. & Biol. Vols.

TEITELBAUM, DR. STANLEY H(AROLD), b. Brooklyn, N.Y., Nov. 23, 33. PSYCHOLOGY. B.A. Brooklyn Col, 55; M.A. Boston, 56, Ph.D., 61; cert, Postgrad. Center Ment. Health, 67. Res. psychologist, sch. med, Boston, 60-61; CLIN. PSYCHOLOGIST, VET. ADMIN. HOSP, 61- Private practice, 63- Nat. Inst. Ment. Health res. grant, 67-68. Psychol. Assn. Publ: The psychopathic style of life and its defensive function. Address: 142 E. 18th St, New York, N.Y. 10003.

TELFORD, PROF. CHARLES W(ITT), Psychol, see 11th ed, Phys. & Biol. Vols.

TELLEGEN, DR. AUKE, b. Djokjakarta, Indonesia, July 16, 30; U.S. citizen; m. 53; c. 2. PSYCHOLOGY. Free Univ, Amsterdam, 49; Drs, Amsterdam, 57; Ph.D.(psychol), Minnesota, 62. Psychologist, Sister Kenny Found, Minn, 58-59; lectr. psychol, Michigan, 61-62; Nat. Insts. Health fel. clin. psychol, med. sch, MINNESOTA, 62-63, asst. prof. PSYCHOL, dept. physical med. & rehab, 63-65, DEPT. PSYCHOL, 65-66, ASSOC. PROF, 66- Consult, psychol. training prog, Vet. Admin, 68- Psychol. Asn. Personality theory; personality assessment; genetics of behavior. Address: Dept. of Psychology, University of Minnesota, Minneapolis, Minn. 55455.

TELLER, PROF. JAMES D(AVID), b. Nassau, B.W.I, Dec. 26, 06; nat; m. 30; c. 2. EDUCATIONAL PSYCHOLOGY. B.S, Ohio State, 30, M.A., 35, Ph.D. (hist. sci. ed), 43; Indust. Col. Armed Forces, 65-67. Teacher, high schs, Ohio & Fla, 30-38; instr. ed, Ohio State, 38-43; psychologist test construct, U.S. War Dept, 43-45; dir. testing, Adj. Gen. Off, 45-49; chief qualifications res. Off. Secy. Defense, 49-51; tech. dir. personnel classification, hqs. U.S. Air Force, 51-60, psychologist, personnel measurement, 60-65; lectr. ED, Virginia, 65-67; PROF, DALLAS, 67- Adj. prof, American Univ, 54- Consult, State Dept. Ed, Ohio, 30-43; Royal Norwegian Air Force, 52; Peruvian Air Force, 58; Philippine Air Force, 65. U.S. rep, NATO, France, 54-60. Fel. AAAS; Ed. Res. Asn. Educational measurement; aptitude and achievement tests; job and qualifications analysis research; history and philosophy of science and science education; organization and administration of research. Publ: Louis Agassiz, scientist and teacher, co-auth, History of Western education, Macmillan, 68. Address: Dept. of Education, University of Dallas, University of Dallas Station, Tex. 75061.

TEMERLIN, PROF. MAURICE K, b. Ardmore, Okla, Jan. 15, 24; m. 53; c. 1. PSYCHOLOGY. B.A, Oklahoma, 49, Ph.D.(psychol), 54. Suprv. psychol. clin, Oklahoma, 52-54; dir. human rels. inst, Fla. State, 54-55; asst. prof. PSYCHOL, OKLAHOMA, 55-66, PROF, 66-, DIR. GUID. SERV, 55-, CHMN. DEPT. PSYCHOL, 62- Dipl, Am. Bd. Exam. Prfnl. Psychol, 60. U.S.A.A.F, 43-46. AAAS; Psychol. Asn; Soc. Proj. Tech. & Personality Assessment; Acad. Psychother. Psychotherapy; free association; psychodiagnostics; personality theory. Publ: One determinant of the capacity to free-associate in psychotherapy, J. Abnorm. & Soc. Psychol; The psychologist as an expert witness in court, Symp. Okla. State Psychol. Asn. Address: Dept. of Psychology, University of Oklahoma, Norman, Okla. 73069.

TEMIN, DR. PETER, b. Philadelphia, Pa, Dec. 17, 37; m. 66. ECONOMICS. B.A, Swarthmore Col, 59; Ph.D.(econ), Mass. Inst. Tech, 64. Asst. prof. indust. hist, Sloan Sch. Mgt, MASS. INST. TECH, 65-67, ASSOC. PROF. ECON. HIST, 67- Econ. Asn; Econ. Hist. Asn. American economic history. Publ: Iron and steel in nineteenth-century America, M.I.T. Press, 64; Labor scarcity and the problem of American industrial efficiency in the 1850's, J. Econ. Hist, 9/66. Address: Dept. of Economics, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

TEMKIN, DR. OWSEI, b. Minsk, Russia, Oct. 6, 02; nat; m. 32; c. 2. MEDICINE. M.D, Leipzig, 27. Intern, St. Jacob's Hosp, Leipzig, Germany, 27-28; asst. inst. hist. med, Leipzig, 28-32, privat docent, 31-33; assoc. hist. med. sch. med, Hopkins, 32-35, assoc. prof, 35-57, prof, 57-58, William H. Welch prof. & dir. inst. hist. med, 58-68, acting ed, Bull. Hist. Med, 48, ed, 49-68; RETIRED. Mem, U.S. Pub. Health Serv. Hist. Life Sci. Study Sect, 59-63. Am. Coun. Learned Soc. prize, 62. Civilian with Nat. Res. Coun, 44. AAAS; Hist. Sci. Soc. (Sarton medal, 60); Philos. Soc; Am. Hist. Med.(Welch medal, 52; ed, 48-54, pres, 58-60); Am. Acad. Arts & Sci; Int. Acad. Hist. Sci; Int. Acad. Hist. Med. Historical analysis of medical thought; history of Galenism. Address: 419 Alabama Rd, Towson, Md. 21204.

TEMP, DR. GEORGE E(DWARD), b. St. Paul, Minn, Nov. 5, 29; m. 55; c. 2. EDUCATIONAL PSYCHOLOGY. B.A, Minnesota, 52, B.S., 55; M.A., San Diego State Col, 60; Ed.D.(ed. psychol), California, Los Angeles, 63. Teacher, elem. sch, Calif, 55-62; res. asst, California, Los Angeles, 62-63; asst. prof. ed. psychol, California, Santa Barbara, 63-65; RES. PSYCHOLOGIST, CURRICULUM RES. ED. TESTING SERV, 65- Univ. California, Santa Barbara Faculty fel, summer 64. U.S.A., 47-49, Sgt. Ed. Res. Asn; Psychol. Asn; Nat. Soc. Study Ed; Nat. Coun. Measurement in Ed. Curriculum research on educational innovations; learning research; research methodology. Publ: Magnets: programmed experimental unit, Harcourt, 63; Literature in secondary school, Rev. Ed. Res, 4/64; Statistical statements in social science, Ed. Testing Serv. Res. Report, 7/66. Address: Educational Testing Service, Berkeley, Calif. 94704.

TEMPERO, PROF. HOWARD E(VERETT), b. Clay Center, Kans, Feb. 6, 09; m. 36; c. 3. EDUCATIONAL PSYCHOLOGY. B.S, Kansas State, 31; fel. & M.S., Kans. State Teachers Col, 35; univ. fel. & Ph.D.(ed), Chicago, 44. Teacher, high sch, Kans, 31-34; faculty mem. ed. psychol, Johnson Teachers Col, 38-43; instr. dead reckoning navigation, Naval Flight Prep. Sch. & descriptive geom. & trigonometry, Col. Arts & Sci, DePauw, 43-44; statist. analyst, United Air Lines, Inc, 44-46; dean col. ED. PSYCHOL, Nebr. State Teachers Col, 47-55; assoc. prof, NEBRASKA, 55-62, PROF, 62- Mem. bd. gov, Coun. Except. Children, 62-64. Nat. Coun. Measurement in Ed; Psychol. Asn; Ed. Res. Asn; Psychomet. Soc. Measurement and evaluation in various levels of education; evaluation of exceptionality in individuals with emphasis on the gifted and talented. Publ: Co-auth, The cooperative school and college ability test as predictor of achievement in selected high school subjects, Ed. & Psychol. Measurement, 60; Effectiveness of the Peabody picture vocabulary test with seventh-grade pupils, J. Ed. Res, 65. Address: Dept. of Educational Psychology, University of Nebraska, Lincoln, Nebr. 68508.

TEMPLIN, PROF. MILDRED C(LARA), b. Milwaukee, Wis, Oct. 30, 13. CHILD PSYCHOLOGY. B.S, Wisconsin, 36, M.A., 37; Ph.D.(child welfare), Minnesota, 47. Instr. & speech clinician, Purdue, 36-39; speech correction teacher, Wauwatosa Pub. Schs, 40-43; asst, INST. CHILD DEVELOP, MINNESOTA, MINNEAPOLIS, 43, instr, 44-47, asst. prof, 47-51, assoc. prof, 51-58, PROF, 58- AAAS; Psychol. Asn; Speech & Hearing Asn.(v.pres, 65); Soc. Res. Child Develop.(ed, Monogr, 64-). Language and thought of chil-

dren; reasoning and concepts in the defective hearing; consistency of behavior in time; longitudinal study of articulation and relation to language and nonlanguage behavior. Publ: Development of reasoning in children with normal and defective hearing & Certain language skills in children: their development and interrelationships, Inst. Child Welfare Monogr. Address: 521 Fifth St. S.E., Minneapolis, Minn. 55414.

TEMPLIN, PROF. RALPH T(ODD), b. Lacrosse, Kans, Feb. 2, 96; m. 20; c. 1. SOCIOLOGY. B.A, Southwest Col, 20; S.T.B, Boston, 23, M.A., 24; Ed.D.(rural ed), Columbia, 46. Methodist missionary, Clancy Boy's High Sch, Muttra, India, 25-40; dir, Sch. of Living, Suffern, N.Y., 40-45; community counsr, Community Serv, Inc, 46-48; PROF. SOCIOL, Wilmington Col, 47-48; CENT. STATE, 48-, dir. Wesley Found, 54-62. Part-time ed, J. Human Relts, 63- African Studies Asn. Democracy; community education; religion for modern man. Publ: Democracy and nonviolence, Sargent, 65; co-auth, American reform: the ambiguous legacy, Ampersand, 67; Between two worlds, Fellowship. Address: R.D. 1, Cedarville, Ohio 45314.

TEMPONE, DR. VINCENT JEREMIAH, b. Philadelphia, Pa, Oct. 13, 33; m. 63; c. 2. PSYCHOLOGY. B.A, Pa. State, 55; M.A., Temple, 59; Ph.D.(psychol), Texas, 62. Asst. prof. PSYCHOL, New Hampshire, 62-64; ARIZONA, 64-67, ASSOC. PROF, 67- Psychol. consult, Laciovia State Sch, 63-64; South. Ariz. Ment. Asn, 64-; Vet. Admin, 65- U.S.A., 55-57, 1st Lt. AAAS; Psychol. Asn. Learning in children; discrimination learning and concept formation in children. Publ: Medial processes in primary stimulus generalization, Child Develop, 66; Repression-sensitization and its relation to measures of adjustment and conflict, J. Consult. Psychol, 67. Address: Dept. of Psychology, University of Arizona, Tucson, Ariz. 85721.

tenBROEK, PROF. JACOBUS, b. Alta, Can, July 6, 11; U.S. citizen; m. 37; c. 3. POLITICAL SCIENCE, LAW. Brandeis res. fel, Harvard, 39-40, S.J.D., 47; J.S.D. California, 40. Instr. CALIFORNIA, BERKELEY, 42-46, asst. prof, 46-47, assoc. prof, 47-53, from prof. speech & chmn. dept. to PROF. POLIT. SCI, 53- Vis. asst. prof, law sch, Colorado, 46; Guggenheim fels, 53-54, 61-62; fel, Adv. Studies Behav. Sci, 59-60. Mem. State Soc. Welfare Bd, Calif, 50-, chmn, 60- Wilson Found. award, 55. Polit. Sci. Asn; Speech Asn. Publ: Prejudice, war and the Constitution; Antislavery origins of the Fourteenth Amendment; co-auth, Hope deferred. Address: Dept. of Political Science, University of California, Berkeley, Calif. 94720.

TENEN, DR. STANLEY S, Exp. Psychol, see 11th ed, Phys. & Biol. Vols.

TENENBAUM, DR. HENRY, b. Austria, Feb. 19, 14; nat; m. 50. ECONOMICS. M.A, Brussels, 37, Ph.D.(econ), 40; Paris, 38-39; cert. Univ. Aix-Marseilles, 41, LL.D., 42. Chief planning & res. div, French Food & Agr. Mission to U.S., 44-45; statist. & res. div, Belgian Econ. Mission to U.S., 45-46; adv. Belgian Treas. Del. to U.S., 46; econ. affairs officer, UN Secretariat, 46-48; econ, adv, Belgian Econ. Mission to U.S., 48-51; economist Int. Bank Reconstruct. & Develop, D.C., 51; econ. consult, D.C., 52-56; dept. chief finance div, U.S. Opers. Mission, Saigon, 56-58; int. rels. officer, Int. Coop. Admin, D.C., 59-62, prog. officer, AGENCY INT. DEVELOP, DEPT. STATE, Abidjan, Ivory Coast, 62-63, SR. LOAN OFFICER, Colombia, 63-66, MONTEVIDEO, URUGUAY, 66- Lectr, American Univ, 50-53. Consult, U.S. Mutual Security Agency, 51; U.S. Dept. State, 52-53; UN Econ. Cmn. for Latin Am, 54; adv. Minister of Finance, Vietnam, 56-58; consult, Govt. of Turkey, 61; Indust. Develop. Bank of Cameroons, Africa, 62. Econ. Asn. International trade and finance; money, banking and public finance; economic resources; economic development of underdeveloped areas; state enterprises. Publ: Economic concept of equilibrium and the theory of money; co-auth, Operations of the state economic enterprises of Turkey. Address: Montevideo, U.S. Dept. of State, Washington, D.C. 20521.

TENENBAUM, PROF. SAMUEL, b. New York, N.Y., Jan. 12, 02; m. 29. CLINICAL PSYCHOLOGY. B.J, Missouri, 24; M.A., Columbia, 27; Ph.D., N.Y. Univ, 39; Adler Inst. Individual Psychol, 56-58. Asst. prof. ed, Brooklyn Col, 47-48; mem. staff, Lafarge Clin, 56-58; vis. mem. faculty, Yeshiva, 59-60, assoc. prof. ed, 60-66; PROF. COUNSELING & GUID, LONG ISLAND, 66- Mem. staff, Community Guid. Serv, 57-62; practicing psychologist, 57- Psychol. Asn; Soc. Group Psychother. & Psychodrama. Practice of psychotherapy and the field of education and psychology; marital relationship. Publ: Publ: Why men hate, A.S. Barnes, 47; William Heard Kilpatrick: trail-blazer in education, Harper, 51; The wise men of Chelm, Yoseloff, 65. Address: 222 W. 83rd St, New York, N.Y. 10024.

TEN EYCK, DR. PETER H(OYOS), b. London, Eng, Mar. 30, 32; nat; m. 57; c. 2. SOCIAL PSYCHOLOGY. A.B, Princeton, 53; A.M. Boston, 58, Ph.D. (soc. psychol. & personality), 60. Math. aide, U.S. Naval Eng. Exp. Sta, 51; asst. physics, Boston, 56-57, lab. instr. comput. prog. & asst. soc. psychol, 57-60; MEM. TECH. STAFF, MITRE CORP, Bedford, Mass, 60-67, HOUSTON, 68- Summers, actuarial student, Prudential Ins. Co. Am, 52-53; New Eng. Mutual Life Ins. Co, 56. U.S.A., 53-55, Res, 55-61. Psychol. Asn; Psychomet. Soc. Decision theory as applied to mission control center redesign; studies in human attitudes and judgements; linear programming. Publ: Co-auth, Effect on judgements of changes in the response scales, Psychol. Reports. Address: Mitre Corp, 16915 El Camino Real, Houston, Tex. 77058.

TenHOUTEN, DR. WARREN DAVID, b. Kalamazoo, Mich, Jan. 12, 39; m. 62. SOCIOLOGY. B.A, Mich. State, 61, Ph.D.(sociol), 65; Chicago, 61-62. ASST. PROF. SOCIOL, CALIFORNIA, LOS ANGELES, 65- Dir, U.S. Off. Ed. Study, 63-65; U.S. Pub. Health Serv. Study, 65-68. Sociol. Asn; Statist. Asn. Socialization theory; adolescent behavior; research methodology and research design; the philosophy of science; inter-group relations. Publ: Co-auth, The emergence of youth societies, Free Press, Glencoe, 66; co-auth, Race as a variable in the social systems of three high schools, J. Marriage & Family, 65. Address: Dept. of Sociology, University of California, Los Angeles, Calif. 90024.

TENNANT, PROF. RICHARD B(REMNER), b. New York, N.Y., Dec. 10, 15; m. 51; c. 4. ECONOMICS. B.A, Yale, 37, Ph.D.(econ), 48; Cambridge, 38-39. Instr. econ, Yale, 45-49, asst. prof, 49-52; coordinator distribution planning & control, Winchester-West. Div, Olin Mathieson Chem. Corp, 52-

56; economist, McKinsey & Co, Inc, 56-64; PROF. BUS. ECON. GRAD. SCH. BUS. COLUMBIA, 65- Vis. prof, Yale, 61-62. U.S.A.A.F., 43-45, 1st Lt. Econ. Asst; Economet. Soc; Opers. Res. Soc; Inst. Mgt. Sci. Managerial economics; industrial organization. Publ: American cigarette industry. Address: 16 Wendt Ave, Larchmont, N.Y. 10538.

TENNEY, PROF. EDWARD VERNON, b. Brooklyn, N.Y., Nov. 6, 97; m. 39; c. 3. PSYCHOLOGY. A.B. California, 19, B.S., 20, Ph.D.(ed. & psychol), 27; M.A. Pac. Sch. Relig., 24; Ph.D. California, 27. Instr. PSYCHOL. & PHILOS. FRESNO STATE COL., 27-28; assoc. prof, 28-31, assoc. prof, 31-43, prof, 43-66, EMER. PROF., 66- Dipl. Am. Bd. Exam. Prfnl. Psychol., 48. U.S.A., 18, 2nd Lt. Psychol. Asst; Soc. Proj. Tech. Psychology of religion and personality; problems in analytical psychology. Address: 735 E. Holland Ave, Fresno, Calif. 93704.

TENNEY, PROF. WILLIAM F(URRH), b. Ladonia, Tex., Mar. 15, 02. SOCIOLOGY. A.B. Austin Col., 23; summers, Virginia, 23, 24; Colorado, 29; A.M. Texas, 34. Prin. Pine Tree Sch., Longview, Tex., 37-45, supt, Pine Tree Sch. Dist., 45-46, PROF. SOC. SCI. & HEAD DEPT., SCHREINER INST., 46- Requirements for certification of teachers in the United States and the effect of the financial depression of the 1930's on these qualifications. Address: Dept. of Social Science, Schreiner Institute, Kerrville, Tex. 78028.

TENZER, MORTON JAY, b. New York, N.Y., Aug. 14, 31; m. 53; c. 2. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A., Connecticut, 53; M.A. Yale, 54, Falk Found. fel, 53-56. Teaching fel. govt, Wesleyan, 56-57, instr, 57-62; asst. dean students, Brandeis, 62-63; asst. dir. exec. seminar center, U.S. Civil Serv. Cmn, 63-64, assoc. dir, 64-65; sr. staff mem, Inst. Pub. Admin, N.Y., 65-68; ASSOC. DIR. INST. URBAN RES, CONNECTICUT, 68- Lectr, Mt. Holyoke Col., 62-63. Consult, Nat. Inst. Pub. Affairs, D.C., 65-66; Sr. Soc. Serv. Adminstr. Asst, N.Y. & U.S. Civil Serv. Cmn, 66-67; temporary cmn. N.Y. State constitution, 67. Secy, Latin Am. Develop. Admin. Cmt, 66- Polit. Sci. Asst; Soc. Pub. Admin. Influence of ethnic groups on American foreign policy; American government and politics; personnel training and administration; overseas administration; urban research; oral history. Publ: Executive salary survey of the City of New York, 66 & Personnel program for the human resources administration, 67, Inst. Pub. Admin, N.Y.; The Jews, In: Immigrants influence on Wilson's peace policies, Univ. Kentucky, 67. Address: Institute of Urban Research, University of Connecticut, Storrs, Conn. 06268.

TEPAS, DR. DONALD IRVING, b. Buffalo, N.Y., Apr. 7, 33; m. 59. PSYCHOLOGY. B.A. State Univ. N.Y. Buffalo, 19, B.S.D.(psychol), 63. Instr. psychol, Buffalo, 58-59; res. psychologist, div. neuropsychiat, Walter Reed Army Inst. Res., 59-62; sr. prin. scientist, res. dept, systs. & res. div, Honeywell Inc, 62-66; ASSOC. PROF. PSYCHOL. ST. LOUIS, 66- Nat. Acad. Sci. exchange scientist, Czech, 67. Med.Serv.C, U.S.A., 57-65, Capt. AAAS; Psychol. Asst; Optical Soc; Aerospace Med. Asst. Electrophysiology and psychophysics of the visual system; psychophysiology of sleep and wakefulness; application of electronic data processing techniques to biological potentials and behavioral measures. Publ: Co-auth, Evoked responses to clicks and electroencephalographic stages of sleep, 62 & Evoked brain potential correlates of psychophysical responses, 65, Science; auth, Evoked brain response as a measure of human sleep and wakefulness, Aerospace Med, 67. Address: Dept. of Psychology, St. Louis University, 221 N. Grand Blvd, St. Louis, Mo. 63103.

TEPER, DR. LAZARE, b. Odessa, Russia, Jan. 16, 08. ECONOMICS, STATISTICS. B.S. Paris, 26; A.M. Hopkins, 30, Ph.D., 31. Res. asst, Walter Hines Page Sch. Int. Rels, Hopkins, 31-34; instr. econ, Brookwood, Inc, 34-36; DIR. RES. Joint Bd. Dressmakers' Union, 35-37; INT. LADIES' GARMENT WORKERS UNION, 37- AAAS; Econ. Asst; fel. Statist. Asst; Economet. Soc; Mkt. Asst; Indust. Rels. Res. Asst. Labor economics; economic analysis of women's garment industry; economic statistics. Address: 650 West End Ave, New York, N.Y. 10025.

TEPLITZ, DR. ZELDA, Psychiat, see 11th ed, Phys. & Biol. Vols.

TEPPER, LES(TER), b. New York, N.Y., Aug. 7, 17; m. 47; c. 2. ECONOMICS, OPERATIONS ANALYSIS. B.S. N.Y. Univ., 37, M.A., 38; fel. Northwestern, 38-40. From sr. economist, pulp & paper, mach. br. to chief economist, drugs & rubber br, Off. Price Admin, 42-47; econ. analyst, nat. income div, U.S. Dept. Commerce, 47-48; indust. economist, bur. indust. econ, Fed. Trade Cmn, 48-51; spec. asst. to asst. adminstr, Nat. Prod. Authority, 51-52; acting dir. requirements cmt. staff, Defense Prod. Admin, 52-53; sr. indust. specialist, Off. Defense Mobilization, 53-55; from chief economist to dir. spec. projs. div, C-E-I-R, Inc, 55-63, assoc. dir. planning & control, 63-65, assoc. dir. appl. res. & mgt. sci. div, 65-67, V.PRES., 66- U.S.A.A.F., 45. AAAS; Econ. Asst; Opers. Res. Soc; Asst. Bus. Econ. Direction of large systems projects applying mathematical models and operations research to computerized solution industrial, locational-transportation, defense logistic and damage assessment problems; industrial, business, national income and gross national product analysis; materials-resource allocation and mobilization. Publ: Economic impact study of the tobacco industry, C-E-I-R, Inc, 64; co-auth, Site evaluation analytical system for U.S. government agencies, In: Models for decision, English Univs, 65 & 1966 input/output matrix, Fortune, 67. Address: C-E-I-R, Inc, 5272 River Rd, Washington, D.C. 20016.

TERBORGH, DR. GEORGE WILLARD, b. Portland, Mich., May 6, 97; m. 30; c. 3. STATISTICS. A.B. Oberlin Col., 22; A.M. Chicago, 25; Ph.D.(econ), Brookings Inst., 28. Instr. econ, Ohio State, 25-26; assoc. prof. & head dept, New Mexico, 28-29; asst. Fed. Reserve Bd, Wash, D.C., 30-33; 36-41; secy, MACHINERY INST., 41-42, DIR. RES., 42- Asst. Brookings Inst., 33-36. U.S.A., 18-19. Fel. Statist. Asst; Econ. Asst. Capital formation; investment; replacement analysis. Address: 4582 26th St. N, Arlington, Va. 22207.

TERCHEK, DR. RONALD J(OHN), b. Cleveland, Ohio, July 29, 36. POLITICAL SCIENCE. B.A. Chicago, 58, M.A., 60; Soc. Psychol. Study Soc. Issues grant, 64; fel. & Ph.D.(polit. sci), Maryland, 65. Teacher retarded children, Grafton Sch., 59-61; ASST. PROF. POLIT. SCI., MARYLAND, 64- Grad. Sch.

Res. Coun. res. grants, Maryland, 65, 67; guest lectr, Knox Col., 67. Consult, Prince Georges County Study Cmn, 66. Polit. Sci. Asst; Soc. Gen. Sys. Res. Comparative ideological systems; applying information system models to the political system. Address: Dept. of Government & Politics, University of Maryland, College Park, Md. 20742.

TERHUNE, DR. KENNETH W(ARREN), b. Hackensack, N.J., June 14, 32; m. 54; c. 2. SOCIAL PSYCHOLOGY. B.M.E., Clarkson Tech., 54; M.A.E., Chrysler Inst., 56; M.A., Mich. State, 61, Nat. Sci. Found. fel, 61-62, Ph.D.(soc. psychol), 63. Sr. engr, Chrysler Corp., 54-57, asst. psychologist, summer 59; asst. psychol, Mich. State, 58-60; instr, Princeton, 62-64; res. psychologist, Cornell Aeronaut. Lab., 64-68; ASSOC. PROF. PSYCHOL., CLARK, 68- Mem. faculty, Quaker-UNESCO Peace Ed. Seminar, summer 67. Int. Peace Res. Asst; Psychol. Asst; Soc. Psychol. Study Social Issues; Int. Studies Asst. Psychology of cooperation and conflict, international relations, personality, beliefs and attitudes and motivation. Publ: Nationalism among foreign and American students, J. Conflict Resolution, 64; Nationalistic aspiration, loyalty, and internationalism, J. Peace Res, 65; Motives, situation, and interpersonal conflict within the prisoner's dilemma, J. Personality & Soc. Psychol., 3/68. Address: Dept. of Psychology, Clark University, Worcester, Mass. 01610.

TER KEURST, PROF. ARTHUR J(OHN), b. Hamilton, Mich., Oct. 15, 01; m. 34. EDUCATIONAL PSYCHOLOGY. A.B. Hope Col., 32; M.S.E., Northwestern, 33, Ph.D., 37. Prof. ed, Col. Emporia, 37-40; assoc. prof. ed, psychol, West. Ill. State Col., 40-47; PROF. PSYCHOL., CENT. MO. STATE COL., 47- Fulbright lectr, Dacca, E. Pakistan, 52-53. Fel. AAAS; fel. Psychol. Asst. Superstitions of delinquents; educational abilities of enrollees in the Civilian Conservation Corps; intrinsic programming of general psychology; value of reinforcements to learning; abstracting Dutch articles in psychology. Publ: Superstitious nature of delinquent and non-delinquent boys, J. Criminal Law & Criminol; Comparative differences between superstitious and non-superstitious children & The intrinsic programmed approach to the discovery of concepts in general psychology, 65, J. Exp. Ed., 65. Address: Dept. of Psychology, Central Missouri State College, Warrensburg, Mo. 64093.

TERMOHLEN, WILLIAM D(WEY), b. Storm Lake, Iowa, June 20, 98; m. 23; c. 2. AGRICULTURAL ECONOMICS. B.S., Iowa State Col., 25, M.S., 28. Asst. agr. econ, Iowa State Col., 26-27, asst. exten. prof, 27-33; sr. agr. economist, poultry unit, gen. crops sect, agr. adjust. admin, U.S. Dept. Agr., 33-34, prin. agr. economist in charge poultry sect, div. mkt. & mkt. agreements, 34-42, asst. chief dairy & poultry br, food distribution admin, 42-46, head agr. economist in charge poultry div, surplus mkt. admin, 42-51, dir. poultry br, prod. & mkt. admin, 46-53, poultry div, agr. mkt. serv., 53-55, agr. attache, for. agr. serv, Tokyo, Japan, 55-59; CONSULT. AGR. ECONOMIST, 59- U.S.A., 17-19. Am. Poultry Sci. Asst; World Poultry Sci. Asst. (pres, 49-51). Market channels and techniques; egg quality preservation; standards and grades. Address: Blue Grass Dr, Hendersonville, Tenn. 37075.

TERPENNING, PROF. WALTER A(BRAM), Econ, see 9th ed, Soc. & Behav. Vols., deceased 65.

TERR, DR. ARTHUR L(EON), b. Harrisburg, Pa., Aug. 22, 23; m. 55; c. 2. PSYCHOLINGUISTICS, AUDIOLOGY. A.B. Lebanon Valley Col., 48; California, Los Angeles, 48-50; M.S., Syracuse, 55; Ed.D., Columbia, 62. Speech pathologist, Vet. Admin. Hosp., Long Beach, Calif., 50-54; dir. speech pathol. & audiol, Kansas City Rehab. Inst., 55-57; dir. diag. serv., Mill Neck Sch. for Deaf, 58-60; chief AUDIOL., Newark Vet. Admin. Hosp., 60-65; assoc. prof, Douglass Col., Rutgers, 65-66; PROF., NEWARK STATE COL., 66- Lectr, sch. med, Kansas, 55-57; Seton Hall, 64-65, Montclair State Col., 67- Res. consult, Jewish Hosp., Jersey City, N.J., 65-; Vet. Admin, Newark, N.J., 66-; Middlesex Rehab. Hosp., North Brunswick, N.J., 68- U.S.N., 43-46. Psychol. Asst; Speech & Hearing Asst. Meniere's syndrome; hearing problems of diabetics; projective techniques with parents of handicapped; the use of masking in audiological tests; creative behavior. Publ: The use of a motion picture projective technique with mothers, J.N.J. Speech & Hearing Asst, 64. Address: 44 Collamore Terrace, West Orange, N.J. 07052.

TERRACE, DR. HERBERT S., b. Brooklyn, N.Y., Nov. 29, 36. EXPERIMENTAL PSYCHOLOGY. B.A., Cornell, 57, Josiah Macy Found. fel. & M.A., 58; U.S. Pub. Health Serv. fel, Harvard, 59-61, Ph.D.(psychol), 61. Instr. PSYCHOL., COLUMBIA, 61-63, asst. prof, 63-66, ASSOC. PROF., 66- Nat. Insts. Health res. grant, 62-; Nat. Sci. Found. res. grant, 63- AAAS; fel. Psychol. Asst. Operant conditioning; acquisition of conditioned behavior; stimulus control; language. Publ: Discrimination learning with and without errors, J. Exp. Anal. Behav., 63; Stimulus control, In: Operant behavior, Appleton, 66; Inhibition and discrimination learning; Science, 66. Address: Dept. of Psychology, Columbia University, 360 Schermerhorn Hall, New York, N.Y. 10027.

TERRELL, PRES. GLENN, b. Tallahassee, Fla., May 24, 20; m. 52; c. 2. PSYCHOLOGY. B.A. Davidson Col., 42; M.S., Fla. State, 48; Ph.D., Iowa, 52. From instr. to asst. prof, Fla. State, 48-50, 52-55; asst. prof. psychol, Colorado, 55-58, assoc. prof, 58-59, chmn, dept, 59-55, from asst. dean to acting dean col. arts & sci, 59-63; dean, Illinois, Chicago, 63-65, faculties, 65-67; PRES., WASHINGTON STATE, 67- Participant, inst. col. & univ. administrators, Harvard, 65. Mem. exec. cmt, West. Interstate Cmn. Higher Ed. & Cmnr. for State Wash., 67-; mem, Higher Ed. Facilities Cmn. State Wash., 67-; Temporary Adv. Coun. Pub. Higher Ed., 67- U.S.A., 42-46, Lt. Fel. AAAS; fel. Psychol. Asst; fel. Soc. Res. Child Develop. Concept formation; psychological factors involved in mathematics performance. Publ: Factors associated with transposition behavior of pre-school children, J. Gene. Psychol., 86: 143-158; co-ed, Contemporary approaches to creativity: a symposium held at the University of Colorado, Atherton, 63; Delayed reinforcement effects, In: Advances in child development, Academic, 65. Address: Office of the President, Washington State University, Pullman, Wash. 99163.

TERRELL, DR. JAMES C(LINTON), b. Laurel, Miss., Sept. 7, 29; m. 51; c. 1. STATISTICS. B.A. Emory, 50; M.S., Pittsburgh, 56, Sc.D.(biostatist), 63. Statist. res. asst, State Merit. Syst., Ga., 50-54; statistician, State Health

- Dept. Ala, 54-55; Ga, 55-68; ASSOC. PROF. QUANT. METHODS, GA. STATE COL, 68- Statist. Asn. Mathematics. Address: Dept. of Statistics, Georgia State College, 33 Gilmer St. S.E., Atlanta, Ga. 30303.
- TERRELL, PROF. R. PAUL, b. Adolphus, Ky, Aug. 28, 14; m. 45. GEOGRAPHY. B.S. West. Ky. State Col, 37; M.A. George Peabody Col, 41; Ph.D., Clark, 49. Asst. prof. Florida, 46-47; assoc. prof., Ala. Polytech, 47-50; prof. GEOG. & head dept, WESTERN KENTUCKY, 50-67, JEFFRIES PROF, 67- Asn. Am. Geog.; Nat. Coun. Geog. Ed. Climatology, especially tropical highlands and climatic classification; political and economic geography; South and North America; Union of Soviet Socialist Republics; cartography; biogeography; Kentucky geography; geography of pulp and paper manufacturing. Publ: Abstract—the wood pulp industry of the southeast, *Annals Asn. Am. Geogr.*, 9/52; Geography of newsprint manufacturing, *J. Geog.*, 68; Maps—pulp and paper mills in the south, *South. Pulp & Paper Mfr*, 4/68. Address: 28 Highland Dr., Bowling Green, Ky. 42101.
- TERRIEN, PROF. FREDERIC W(ILLIAM), b. East Lansing, Mich, Oct. 24, 15; m. 53. SOCIOLOGY. A.B. Stanford, 37; A.M. Yale, 47, Ph.D. 50. Asst. prof. SOCIOLOG., Stanford, 50-53; SAN FRANCISCO STATE COL, 53-56, assoc. prof, 57-62, PROF, 62-, COORDINATOR FACULTY RES, 60- Ed. consult, North. Calif. Off. State Farm Ins. Co, 53- U.S.N.R., 42-46, Lt. Sociol. Asn. Social organization; industrial sociology; public opinion. Publ: Who thinks what about education?, *Pub. Opinion Quart*; Too much room at the top?, *Soc. Forces*; Turn backward, oh time, *Geriatrics*. Address: Division of Social Sciences, San Francisco State College, San Francisco, Calif. 94132.
- TERRELL, DR. JAMES M(GUFFIN), b. Normal, Ill, Feb. 8, 29; m. 51; c. 1. CLINICAL PSYCHOLOGY. B.S. Illinois, 51; M.A. San Jose State Col, 55; Ph.D. (psychol), Stanford, 61. Clin. psychol. trainee, Vet. Admin. Hosp., Palo Alto, Calif, 56-57, San Francisco, 57-58, Vet. Admin. Hyg. Clin, 58-59; RES. ASSOC., MENT. RES. INST., 59- Clin. psychologist, Palo Alto Med. Clin, 61-63; private practice, 63-; clin. assoc., Center Human Commun., Los Gatos, 66- U.S.A., 51-53. Psychol. Asn. Psychotherapy; personality assessment; hallucinogenic drugs; family diagnosis and therapy. Publ: Co-auth, Incongruity as a predictor of response to humor, *J. Abnorm. & Soc. Psychol.*, LSD, transcendence and the new beginning, *J. Nerv. & Ment. Diseases*, 135: 425-439 & A method for studying family communication, *Family Process*, 4: 259-290. Address: Mental Research Institute, 555 Middlefield Rd., Palo Alto, Calif. 94301.
- TERRIS DR. WILLIAM, b. Chicago, Ill. Sept. 24, 37; m. 58; c. 1. PSYCHOLOGY. B.S. Purdue, 59; M.S. Ill. Inst. Tech, 62, Ph.D.(psychol), 64. Res. asst, med. sch., Northwestern, 62-64; ASST. PROF. PSYCHOL., Oklahoma, 64-67; DePAUL, 67- AAAS; Psychol. Asn. Effects of aversive stimulation upon learning and performance; effects of discrepant information upon attitude and opinion formation and change. Publ: Learning to resist the effects of punishment, 67 & Approach-avoidance conflict behavior as a function of prior shock stimulation, 67, *Psychonomic Sci*; Stimulus ambiguity, discrepant information, and task importance in opinion structure and change, *Psychol. Reports*, 67. Address: Dept. of Psychology, DePaul University, 25 E. Jackson, Chicago, Ill. 60604.
- TERRY, DR. EDWIN FRANKLIN, b. Tulsa, Okla, Aug. 14, 27; m. 58; c. 1. ECONOMICS. B.S. Oklahoma, 50; M.A. Kansas, 56; Ph.D.(econ), Iowa, 62. Jr. statistician, Okla. Employ. Security Cmn, 50-51, labor mkt. analyst, 51-53; admin. trainee, Gulf Oil Corp, 53-54; res. asst, Fed. Reserve Bank Kansas City, 59-60, economist, 62-63; ASST. PROF. ECON., Washington (St. Louis), 63-65; STATE UNIV. N.Y. STONY BROOK, 65-, Res. Found. faculty res. fcls, summers, 56 & 57. Consult, St. Louis County Bus. & Indust. Develop. Cmn, 64-65. U.S.A., 46-47. Economic estimators; social accounting at the subnational level; computer assisted instruction. Publ: Regional income account estimates, *Resources for the Future*, 64; Linear estimators of the export employment multiplier, *J. Regional Sci.*, spring 65; Class limits and midpoints, *Am. Statistician*, 6/68. Address: Dept. of Economics, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- TERRY, DR. JAMES H(UNTER), b. Oswego, Kans, Nov. 17, 23; m. 45; c. 4. PSYCHOLOGY. A.B. Washington (St. Louis), 47; Colorado, 49-51; Ph.D., Denver, 53. Clin. psychologist, Fitzsimons Army Hosp, Denver, Colo, 48-53; Vet. Admin. Hosp., Roseburg, Ore, 54-55; psychol. consult. mgt, Rohrer, Hibler & Replogle, 55-62, partner, 62; PSYCHOL. CONSULT. TO MGT, 62-U.S.A., 43-45. Psychol. Asn. Functions of the chief executive officer; executive recruitment, selection and development; organization planning and functioning. Address: 700 Montgomery St, Suite 300, San Francisco, Calif. 94111.
- TERRY, DR. RICHARD A(LLAN), b. Lincoln, Nebr, June 4, 20. PSYCHOLOGY. A.B. Notre Dame, 44; M.S. Catholic Univ, 50, Ph.D.(physiol. psychol), 54. Asst. prof. exp. psychol, Portland, 53-59, head dept, 58-59; sr. res. engr, N.Am. Aviation, Inc, 59-61, prin. scientist psychophysiol, 61-62, chief, adv. res, 62-63; ASSOC. PROF. INDUST. ENG., OKLAHOMA, 63-, DIR. SYSTS. RES. CENTER, 66- V-pres, Found. Study Behav. Sci, 65- AAAS; Psychol. Asn; N.Y. Acad. Sci; Soc. Gen. Sys. Res; Human Factors Soc; Soc. Eng. Ed. Neurophysiology; learning bionics; man-machine systems design; social system simulation; educational system analysis. Publ: Autonomic balance and temperament & Autonomic responses and serial learning, *J. Comp. & Physiol. Psychol*; co-auth, Human factors literature relevant to civil aviation: a guide for management and design engineers, *Fedn. Aviation Agency*, 8/66. Address: P.O. Box 1012, Norman, Okla. 73069.
- TERRY, DR. ROBERT M, b. LaCrosse, Wis, Aug. 18, 36; m. 58; c. 1. SOCIOLOGY. B.A. Wisconsin, 60, M.A., 62, Ph.D.(sociol), 65. ASST. PROF. SOCIOLOG., Oregon State, 63-65; California, Santa Barbara, 65-66; IOWA, 66-U.S.A., 55-57. Sociol. Asn; Law & Society Asn; Soc. Study Social Problems. Deviant behavior; juvenile delinquency; social psychology. Publ: Co-auth, Prevention of delinquency: problems and programs, *Macmillan*, 68; auth, The screening of juvenile offenders, *J. Criminal law, Criminology & Police Sci*, 6/67; Discrimination in the handling of juvenile offenders by social control agencies, *J. Res. Crime & Delinquency*, 7/67. Address: Dept. of Sociology, University of Iowa, Iowa City, Iowa 52240.
- TERSTRA, DR. VERN, b. Wayland, Mich, Aug. 20, 27; m. 50; c. 3. BUSINESS ADMINISTRATION. B.B.A. Michigan, 50, M.B.A., 51; Brussels, 52-53; Ford Found. fel, Michigan, 62-63, Ph.D.(int. bus), 65. Dir, Norm. Sch, Kakumba, Congo, 53-61; asst. prof. INT. BUS, Wharton Sch, Pennsylvania, 64-66; ASSOC. PROF., GRAD. SCH. BUS, MICHIGAN, 66- Consult, Int. Studies Mkt. Sci. Inst, 63-66. U.S.N., 45-46. Econ. Asn; Mkt. Asn; Asn. Ed. Int. Bus. International and comparative marketing; international business and economic development; international business management. Publ: Co-auth, Marketing development in the EEC, McGraw, 64; Comparative analysis for international marketing, *Allyn & Bacon*, 67; auth, American marketing in common market, Praeger, 67. Address: Dept. of Marketing, University of Michigan Graduate School of Business, Ann Arbor, Mich. 48104.
- TESKA, PROF. PERCY THOMAS, b. Marshfield, Wis, Feb. 23, 08; m. 30; c. 2. CLINICAL & EDUCATIONAL PSYCHOLOGY. B.A. Rippon Col, 30; M.A. Wisconsin, 39, Ph.D.(clin. psychol), 42. Assoc. prof. spec. ed, Milwaukee State Teachers Col, 42-46, dir. spec. ed. clin. & lab. sch, 44-45; assoc. prof. psychol, La. State, 45-49, head dept, 48-49; PROF. SPEC. ED. & PSYCHOL. & DIR. SPEC. ED. LAB., OKLAHOMA, 49- Psychol. Asn; Asn. Ment. Deficiency; Arbit. Asn. Special education; group psychotherapy with parents of mentally retarded and emotionally disturbed children. Publ: Psychology: a biosocial study of behavior; Some problems in the adjustment of the mentally handicapped, *J. Consult. Psychol*; Mentality of hydrocephalics and a description of an interesting case, *J. Psychol.* Address: Dept. of Psychology, University of Oklahoma, Box 456, Norman, Okla. 73069.
- TESSENEER, DEAN RALPH ATHEN, JR, b. Russellville, Ala, Apr. 23, 24; m; c. 3. PSYCHOLOGY. A.B. Tufts, 47; M.A. Peabody Col, 48; Ph.D., La. State, 57. Asst. prof. psychol, West. Ky. State Col, 48-52; assoc. prof. psychol. & dir. counseling, McNeese State Col, 52-59; PROF. PSYCHOL., MURRAY STATE, 59-, DEAN GRAD. SCH, 63- Consult, State Dept. Ment. Health, Ky, 61- U.S.N., 42-46. Psychol. Asn; Personnel & Guid. Asn. Personality development and measurement. Publ: Cross-validation of a work attitude scale from the MMPI, *J. Ed. Psychol*; Review of the literature on school dropouts, *Bull. Nat. Asn. Sec. Sch. Prins*; Why do many Louisiana youth fail to complete high school, *McNeese Rev.* Address: 814 Olive St, Murray, Ky. 42071.
- TESSMAN, DR. ELLEN, Clin. Psychol, see BERGER, DR. ELLEN TESSMAN.
- TESTERMAN, WAYNE E(EDWARDS), Sociol, see 10th ed, Soc. & Behav. Vols. Latest known address: 517 East B St, Waurika, Okla. 73573.
- TETU, DR. PHILIP RAOUL, b. Lewiston, Maine, Sept. 12, 33; m. 61; c. 2. POLITICAL SCIENCE. B.A. Bates Col, 56; J.Dr. Georgetown, 60. Master, Woodward Sch, Wash, D.C, 58-60; ASST. PROF. POLIT. SCI., EMMANUEL COL.(MASS), 65- Arbitrator, Am. Arbit. Asn, 67-; consult, New Eng. Tel. Answering Serv, 67- Polit. Sci. Asn. State and local governments and constitutional law as it affects them. Address: Dept. of Political Science, Emmanuel College, 400 The Fenway, Boston, Mass. 02115.
- TEUBER, DR. HANS LUKAS, b. Berlin, Germany, Aug. 7, 16; nat; m. 41; c. 2. PHYSIOLOGICAL PSYCHOLOGY. French Col, Berlin, 34; Basel, 35-39; Ph.D.(psychol), Harvard, 47. Asst. psychol, Harvard, 41-42; res. psychologist, Cabot Found, Cambridge, 42-44, 46-47; from res. assoc. to prof. exp. psychol, N.Y. Univ-Bellevue Med. Center & grad. sch. arts & sci, 47-61; PROF. PSYCHOL. & HEAD DEPT, MASS. INST. TECH, 61-Consult, Vet. Admin, 47-; mem. ment. health study sect, Nat. Insts. Health, 55-58, 60-61; adv. cmt. psychophysiol, Off. Surg. Gen, 58-60, chmn, 60-; res. adv. bd, United Cerebral Palsy Asn, 59-; Int. Brain Res. Orgn, WHO, 60-; res. adv. bd, life sci. div, U.S. Air Force Off. Sci. Res, 61-65. Exp. psychol. study sect, Nat. Insts. Health, 61- U.S.N.R., 44-46. Fel. AAAS; fel. Psychol. Asn; Soc. Exp. Psychol; Neurol. Asn; Optom. Asn; Asn. Res. Nerv. & Ment. Disease; Acad. Neurol; fel. Am. Acad. Arts & Sci. Neuropsychology, especially study of brain function; perception; social psychology of small groups, especially evaluation of therapy. Publ: Physiological psychology, *Ann. Rev. Psychol*; Perception, In: *Handbook of physiology*; co-auth, Somatosensory changes after penetrating brain wounds in man, Vol. 91, Harvard Univ, 60. Address: Psychology Dept, E10-010, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- TEUNE, DR. HENRY J, b. Chicago, Ill, Mar. 19, 36; m. 62; c. 1. POLITICAL SCIENCE. B.A. Cent. Col, 57; M.A. Illinois, 58; Ph.D.(polit. sci), Indiana, 61. Asst. Prof. POLIT. SCI., PENNSYLVANIA, 61-65, ASSOC. PROF., 65-, V.DEAN GRAD. SCH. ARTS & SCI, 67- Polit. Sci. Asn; Sociol. Asn. Comparative and cross-national research; problems of measurement in cross-system analysis; political integration; interest groups in political decision making; place of individual psychological characteristics in social and political systems. Publ: Co-auth, Integration of political communities, *Lippincott*, 64 & Equivalence in cross national research, *Pub. Opinion Quart*, 67; auth, Measurement in comparative research, *Comp. Polit. Studies*, 68. Address: Dept. of Political Science, University of Pennsylvania, Philadelphia, Pa. 19104.
- TEXTOR, DR. ROBERT BAYARD, b. Cloquet, Minn, Mar. 13, 23; m. 67. CULTURAL ANTHROPOLOGY. B.A. Michigan, 45; Ph.D. Cornell, 60. Civilian officer, info. & ed. Mil. Govt. Allied Occup, Japan, 46-48; cultural anthrop. consult, U.S. Int. Coop. Admin, Thailand, 57-58; res. fel. & res. assoc. anthrop. & Southeast Asia studies prog, Yale, 59-61; res. fel. statistics, Harvard, 62-64; from assoc. prof. to PROF. ED. & ANTHROP., STANFORD, 64- Consult, Peace Corps, 61-62. U.S.A., 43-46. Fel. Anthropol. Asn; Ed. Res. Asn; Asn. Asian Studies; Soc. Appl. Anthropol; Soc. Sci. Study Relig; Siam Soc. Religion, magic and divination; educational and political anthropology; community development; cross-national and cross-cultural analysis; statistical and formal methods of ethnography; anthropology of Japan, Thailand and Southeast Asia. Publ: Co-auth, A cross-polity survey; ed. & contrib, Cultural frontiers of the Peace Corps; auth, A cross-cultural summary. Address: Dept. of Anthropology, Stanford University, Stanford, Calif. 94305.
- THACHER, PROF. W(ILLIAM) R(EYNOLDS), b. Williamsburg, W.Va, Oct. 3, 90; m. 39; c. 3. ECONOMICS, GEOGRAPHY. A.B. West Virginia, 12; A.M., Chicago, 16. Prin. high sch, Ill, 17-18; supt. schs, W.Va, 18-23; from instr.

to PROF. ECON. & GEOG. & DIR. EXTEN. SHEPHERD COL, 24-, PRES. SHEPHERD COL. FOUND. INC, 61- Economic geography; Pierpont government. Address: Dept. of Economics & Geography, Shepherd College, Shepherdstown, W.Va. 25443.

THACKER, PROF. JOSEPH ALLEN, JR, Early Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

THACKERAY, PROF. MILTON G(ROVER), b. Morgan, Utah, Aug. 22, 14. SOCIOLOGY. B.S. Utah, 40, M.S. 41; Commonwealth fel, Western Reserve, 47, M.S. 48; Columbia, 50. From asst. prof. to assoc. prof. SOC. WORK, UTAH, 47-63, PROF. 63-, ASSOC. DEAN, 65- Consult. Elem. & Sec. Ed. Act proj. psychol. & soc. work servs, schs. southeast. Utah, 66-; Clearfield Job Corps Urban Training Center, 66; Proj. Head Start, Off. Econ. Opportunity, 67- Mem. bd. dirs, Nat. Coun. Soc. Work Ed, 63-66, annual meeting planning cmt, 67. U.S.A. 42-45. Case work with mothers where rejection was the prominent clinical feature. Publ: Co-auth, Introduction to social work, Appleton, 64. Address: Graduate School of Social Work, University of Utah, Salt Lake City, Utah 84112.

THACKRAY, DR. RICHARD IRVING, b. Wausau, Wis, Jan. 27, 27; m. 53; c. 2. PSYCHOLOGY. B.A. Lawrence Col, 50; M.A. Missouri, 52; Ph.D.(psychol), Purdue, 56. Asst. prof. psychol, Allegheny Col, 56-59; res. psychologist, Wright-Patterson Air Force Base, Ohio, 59-65; psychophysiology, Inst. Pa. Hosp, Philadelphia, 65-67; CHIEF STRESS BEHAV. RES, CIVIL AEROMED. INST, FED. AVIATION AGENCY, 67- Psychol. Asn; Soc. Psychophysiol. Res. Psychophysiology; behavior under stress; detection of deception. Publ: Correlates of reaction time to startle, Human Factors, 65; The effects of the type of stimulus employed and level of subject awareness on detection of deception, J. Appl. Psychol, 68; A comparison of physiological indices in detection of deception, Psychophysiology, 68. Address: Civil Aeromedical Institute, Federal Aviation Agency, P.O. Box 25082, Oklahoma City, Okla. 73125.

THADEN, PROF. J(OHN) F(REDERICK), b. Monticello, Iowa, Oct. 22, 94; m. 23; c. 3; m. 54. SOCIOLOGY. B.S. Nebraska, 20; M.S. Iowa State Col, 22; Ph.D. Mich. State, 30. Asst. prof. sociol, MICH. STATE, 25-44, assoc. prof. & res. assoc, 45-60, EMER. PROF. SOCIOL. & CONSULT. DEMOG. INST. COMMUNITY DEVELOP. KELLOGG CENTER, 61- U.S.A. 18-19. Sociol. Asn; Rural Sociol. Soc; Pop. Asn. Population movement; community delineation and analysis; school district organization. Publ: Equalizing educational opportunity through community school districts & Population dynamics and education, In: Sociology of education; Adult education in the public schools and the community, In: Rural social systems and adult education. Address: Dept. of Sociology & Anthropology, Michigan State University, East Lansing, Mich. 48823.

THAIR, PROF. PHILIP J, b. Regina, Sask, Jan. 23, 17; m. 42; c. 2. AGRICULTURAL ECONOMICS. B.S.A. Saskatchewan, 42, M.Sc. 44; Soc. Sci. Res. Coun. fel, Iowa State Col, 47, Ph.D.(agr. econ), 53. Economist risk & uncertainty in agr, U.S. Dept. Agr, N.Dak, 49-55; assoc. prof. AGR. ECON, SASKATCHEWAN, 55-65, PROF. 65- Chmn, Saskatchewan Corp Ins. Bd, 60- Am. Agr. Econ. Asn; Can. Agr. Econ. Soc.(ed, 59-62, pres, 64-65); Agr. Inst. Can; Int. Asn. Agr. Econ. Agricultural history and policy; agricultural prices. Publ: Stabilizing farm income against crop yield fluctuation & Meeting the impact of crop yield risks in Great Plains farming, Bull, N.Dak. Agr. Exp. Sta; Relations of productivity and risk to capital accumulation. Address: Dept. of Agricultural Economics, University of Saskatchewan, Saskatoon, Sask, Can.

THALE, DR. THOMAS, b. Indianapolis, Ind, June 4, 15; m. 41; c. 5. PSYCHIATRY. B.S. Loyola (Ill), 38, M.D. 39. Res. psychiat, Manteno State Hosp, Conn, 43; instr, Yale, 43; Connecticut, 43-45; Washington (St. Louis), 45-50; sr. instr. neurol. & psychiat, ST. LOUIS, 50-52, asst. prof, 52-67, ASSOC. PROF. PSYCHIAT, 67-, CLIN. DIR, DAVID P. WOHL MENT. HEALTH CENTER, 65- Private practice. Clin. dir. ed, St. Louis State Hosp; physician, Malcolm Bliss Hosp, 45-47, med. dir, 47-50. Fel. Psychiat. Asn; Am. Med. Asn. Clinical psychiatry. Address: David P. Wohl Mental Health Center, 1221 S. Grand Blvd, St. Louis, Mo. 63104.

THALHEIMER, DR. FRED, b. Weinsberg, Germany, Mar. 2, 29; m. 59. SOCIOLOGY. A.B. California, Los Angeles, 56, M.A. 59, Ph.D.(sociol), 62. Asst. prof. SOCIOL, SAN FRANCISCO STATE COL, 62-66, ASSOC. PROF. 66- U.S.A. 51-52. Sociol. Asn. Political sociology; social movements; research methods. Publ: Continuity and change in religiosity: a study of academicians, Pac. Sociol. Rev, fall 65. Address: Dept. of Sociology, San Francisco State College, San Francisco, Calif. 94132.

THALHEIMER, DR. ROSS, b. Baltimore, Md, Nov. 21, 05; m. 30, 51. PSYCHOLOGY. A.B. Hopkins, 25, fel, 27-28, Ph.D.(philos. & psychol), 29; Cambridge, 25-26. Teacher philos, Hopkins, 27-28, 29-30, 35-36; philos. & sociol, Washington (Seattle), 28-29; psychol. & sociol, Baltimore, 34-37; legis. dir, Am. Fedn. Teachers, 38-40; EXEC. DIR. COMMUNITY GUID. SERV, INC, 53- Private practice, 46- Fel, Hopkins, 34-35; lectr, radio sta. WBAL, 35-36; WOR, 58-60. Consult. Asn. Psychiat. Treatment Offenders, Inc, 50-54. Pres, Thalheimer Found, Inc, Dir, Madison House Psychiat. Clin, 52-53; Inst. Practicing Psychotherapists, 60-; Int. Coun. Psychol. Dangers World Peace, 60- Ed, Washington News Letter. Psychol. Asn; Philos. Asn; Sociol. Asn; Psychol. Asn. for Psychoanal; Asn. Adv. Psychother. Philosophy of science; individual and community psychotherapy. Publ: Psychophysical doctrines: A critical examination of the epistemological and psychophysical doctrines of Bertrand Russell, Johns Hopkins, 29, 31. Address: 161 W. 54th St, Apt. 301, New York, N.Y. 10019.

THALLER, DR. KARL, b. Manhattan, Kans, Nov. 7, 36. EXPERIMENTAL PSYCHOLOGY. B.A. Connecticut, 60, M.A. 66, Ph.D.(psychol), 67. Instr. PSYCHOL, Connecticut, 66-67; ASSOC. PROF, STATE UNIV. N.Y. COL. POTSDAM, 67- U.S.N.R. 60-62. Soc. Res. Child Develop; Psychol. Asn; Animal Behav. Soc. Comparative behavior; discrimination learning; teaching techniques. Publ: Co-auth, Variability of irrelevant stimuli in discrimination learning of retardants, J. Exp. Child Psychol, 1: 89-98. Address:

Dept. of Psychology, State University of New York College at Potsdam, Potsdam, N.Y. 13676.

THALMAN, PROF. WELLINGTON A(LBERT), b. Radcliffe, Iowa, Apr. 18, 93; m. 26; c. 3. PSYCHOLOGY. A.B. Ellsworth Col, 17; A.M. Cornell, 22, Ph.D. 29. From assoc. prof. to prof. psychol. & ed, SOUTHERN ILLINOIS, 29-61, dir. child guid. clin, 36-61, EMER. PROF. PSYCHOL. & ED, 61- Mem. collab. center, Chicago, 40-41. U.S.A. 18-19. Fel. Psychol. Asn. After images; differentiation of attentivity and intensity; use of intelligence tests and objective tests in public schools in Illinois. Address: Box 784, Carbondale, Ill. 62901.

THARP, MAX M(ESSICK), Agr. Econ, see 10th ed, Soc. & Behav. Vols.

THARP, DR. ROLAND GEORGE, b. Galveston, Tex, June 6, 30; m. c. 4. PSYCHOLOGY. B.A. Houston, 57; M.A. Michigan, 58, Ph.D.(clin. psychol), 61; Atlantic Monthly scholar, Middlebury Col, summer 56 & Robert Frost fel, summer, 60. Asst. prof. psychol, ARIZONA, 61-63, exec. dir. psychol. clin, 63-64, ASSOC. PROF. PSYCHOL, 64-; ASST. DIR. PROG. ADMIN, SOUTH. ARIZ. MENT. HEALTH CENTER, 67-, staff psychologist, 61-63, acting chief psychologist, 63-64, dir. dept. psychol, 64-67. Field selection officer, Peace Corps, 64-67. Consult, Vet. Admin. Hosp, Tucson, 62-; Div. Voc. Rehab, Tucson, 67- Nat. Coun. Family Rels; Psychol. Asn. Social psychology of family relationships and their implications for psychopathology and psychotherapy; behavior modification techniques applied in the natural environment. Publ: Psychological patterning in marriage, Psychol. Bull, 63; Marriage roles, child development, and family treatment, Am. J. Orthopsychiat, 65; co-auth, Toward a theory for therapeutic intervention in families, J. Consult. Psychol, 66. Address: 2717 E. Fourth St, Tucson, Ariz. 85716.

THASS-THIENEMANN, PROF. THEODORE, b. Budapest, Hungary, May 1, 00; nat. PSYCHOLOGY, LINGUISTICS. Ph.D. Budapest, 22. Prof. ling. & soc. psychol, Budapest, 32-40; PROF. PSYCHOL. & MODERN LANG, GORDON COL, 48- Lectr, Emerson Col, 56-; vis. prof, Columbia, 62-63. Res. consult, Judge Baker Guid. Center, Boston, 61-62. Psychol. Asn. Research in clinical psycholinguistics. Publ: The subconscious language, 67 & Symbolic behavior, 68, Wash. Square Press; Oedipus and the sphinx: the linguistic approach to unconscious phantasies, Psychoanal. Rev. Address: 36 Carrolton Rd, West Roxbury, Mass. 02132.

THATCHER, PROF. GEORGE W(ILSON), b. Ogden, Utah, Aug. 1, 13; m. 41; c. 2. ECONOMICS. B.S. Utah, 36; Ph.M. Wisconsin, 39, Ph.D.(econ), 51. Asst. ECON, Wisconsin, 37-40; asst. prof, MIAMI (OHIO), 40-47, assoc. prof, 47-53, PROF, 53-, chmn. dept, 58-68. U.S.N.R. 42-46, Lt. Comdr. Econ. Asn; Nat. Tax Asn. Public finance and taxation; public utilities. Publ: Co-auth, Tax revision alternatives for the tax system of Ohio, Ohio Tax Study Cmt, 62; Taxation of intangible personal property in Ohio, Nat. Tax J; Ohio's rubber railroad & Tax limitation in Ohio, Land Econ. Address: Dept. of Economics, Miami University, Oxford, Ohio 45056.

THATCHER, DR. MAX B(YRNE), b. Eastsound, Wash, July 18, 14; m. 50; c. 1. POLITICAL SCIENCE. A.B. California, Los Angeles, 35, M.A. 36; Ph.D. Northwestern, 35. Personnel officer, U.S. Govt, Calif, 42-45, dir. personnel & res, 45-46; from asst. prof. govt. to ASSOC. PROF. POLIT. SCI, CONNETTICUT, 46- Polit. Sci. Asn; Soc. Int. Law; Can. Polit. Sci. Asn; Can. Hist. Asn. Canadian government and politics; political theory; comparative government. Address: Dept. of Political Science, University of Connecticut, Storrs, Conn. 06268.

THAYER, PROF. C(LARENCE) R(ICHMOND), b. Pittsburgh, Pa, June 11, 01; m. 27; c. 3. PSYCHOLOGY. B.A. Pittsburgh, 22, Ph.D. 51; S.T.B. West. Theol. Sem, 27; M.Th. Pittsburgh-Xenia Sem, 33; Florida, 65-66. Pastor, United Presby. Churches, Pa, 27-53; prof. Bible & psychol, Ark. Col, 53-54; psychol, Presby. Col, 54-57, dir. guid. center, 54-57; PROF. PSYCHOL, DAVIS & ELKINS COL, 57-, dir. guid. center, 57-61. Psychol. Asn. Psychological testing of missionaries. Publ: Understanding the nervous breakdown; Self-help in nervous difficulties. Address: Dept. of Psychology, Davis & Elkins College, Elkins, W.Va. 26241.

THAYER, PROF. LEE, b. Grenola, Kans, Dec. 18, 27; m. 64; c. 2. PSYCHOLOGY, COMMUNICATION. B.A. Wichita, 53, M.A. 56; Ph.D.(psychol), Oklahoma, 63. Assoc. prof. admin. & psychol, Wichita, 58-64; prof. admin, Missouri, Kansas City, 64-68, dir. res. & spec. projs, sch. admin, 64-66, dir. center adv. study commun, 66-68; GALLUP PROF. COMMUN. RES, IOWA, 68- Fel. inst. group dynamics, Univ. Oklahoma, 61-62; Danforth Found. teacher, 61-63; vis. prof, Wisconsin 68. Summers, Found. Econ. Ed. fel, 65 & 67. U.S.N.R. 54-55, Lt. AAAS; Nat. Soc. Study Commun.(v.pres, 67, pres, 68). Human and organizational communication; human competence; organization theory; communication theory. Publ: Administrative communication, 61 & Communication and communication systems, 68, Irwin; ed, Communication: theory and research, C.C. Thomas, 67. Address: School of Journalism, University of Iowa, Iowa City, Iowa 52240.

THAYER, DR. NATHANIEL B(OWMAN), b. New Rochelle, N.Y., Nov. 30, 29; m. 56; c. 3. POLITICAL SCIENCE. B.S. Columbia, 56, M.A. 58, Ph.D. (int. polit), 67. For. serv. officer, U.S. Dept. State, 60-68; DIR. PROGS, JAPAN SOC, INC, 68- U.S.A. 51-54. Asn. Asian Studies. Japanese politics. Address: Japan Society, Inc, 250 Park Ave, New York, N.Y. 10017.

THAYER, DR. PAUL W(ILLIAM), b. Birmingham, Ala, July 18, 27; m. 51; c. 3. PSYCHOLOGY. B.S. Pa. State, 50; Ph.D.(psychol), Ohio State, 54. Asst. & asst. instr. psychol, Ohio State, 50-54; instr, Pennsylvania, 54-56; asst. prog. dir, LIFE INS. AGENCY MGT. ASN, 56-59, asst. dir. res, 59-63, dir. human resources res, 64-67, V.PRES. RES, 67- Fel. Psychol. Asn. Industrial psychology; consumer and opinion research. Publ: Training in business and industry, Wiley; co-auth, Effects of a threatening rumor on a disaster-stricken community, Nat. Res. Coun. Pub, 58; An industrywide study of programmed instruction, J. Appl. Psychol, 2/65. Address: Life Insurance Agency Management Association, 170 Sigourney St, Hartford, Conn. 06105.

- THAYER, PROF. RALPH I(RA), b. Chicago, Ill, July 9, 15; m. 39. LABOR ECONOMICS. B.S. Northwestern, 37; A.M. Washington (Seattle), 44; Ph.D. Stanford, 47. Acting instr. Stanford, 43-45; asst. prof. Washington (Seattle), 45-48, asst. dir. inst. labor econ, 47-48; assoc. prof. LABOR ECON, WASHINGTON STATE, 48-51, PROF, 51-, CHMN. DEPT, 55- Am. Econ. Assn; Indust. Rels. Res. Assn; Royal Econ. Soc. Local labor markets; labor history in Pacific northwest; comparative study of the tax system of the state of Washington. Address: Dept. of Economics, Washington State University, Pullman, Wash. 99163.
- THEIL, DR. HENRI, b. Amsterdam, Netherlands, Oct. 31, 24; m. 51. ECONOMETRICS, MANAGEMENT SCIENCE. Ph.D.(econ), Amsterdam, 52. Prof. economet, Netherlands Sch. Econ, 53-66, dir. economet. inst, 56-66; UNIV. PROF. & DIR. CENTER MATH. STUDIES BUS. & ECON, CHICAGO, 65- Staff mem. Cent. Planning Bur, The Hague, 53-55. Economet. Soc.(pres, 61); Inst. Mgt. Sci. Publ: Economic forecasts and policy, North-Holland Pub. Co, 58; co-auth, Operations research and quantitative economics, McGraw, 65; auth, Economics and information theory, Rand McNally, 67. Address: Haskell Hall, University of Chicago, Chicago, Ill. 60637.
- THEIOS, DR. JOHN, b. Chicago, Ill, June 28, 36. PSYCHOLOGY. A.B. California, Riverside, 58; Nat. Sci. Found. fel, Stanford, 60-61, Ph.D.(psychol), 61. Asst. prof. PSYCHOL, Texas, 61-64; assoc. prof, 64-67; PROF, WISCONSIN, 67- Nat. Sci. Found. Sci. Faculty fel, Pennsylvania, 66-67. Psychonomic Soc. Mathematical theories of learning and decision behavior. Publ: Simple conditioning as two-stage all-or-none learning, 63 & co-auth, A Markov model for classical conditioning, 66, Psychol. Rev; co-auth, Theretical interpretations of a Markov model for avoidance conditioning, J. Math. Psychol, 66. Address: Dept. of Psychology, University of Wisconsin, Madison, Wis. 53706.
- THELEN, DR. MARK HERMAN, b. Fowler, Mich, Dec. 13, 35; m. 56; c. 3. CLINICAL PSYCHOLOGY. B.A. Mich. State, 57, M.A. 59, Ph.D.(clin. psychol), 64. Psychologist, Boys Training Sch, Mich, 58-61; ASST. PROF. counseling, Southern Illinois, 64-65; THER, MISSOURI, COLUMBIA, 65- Consult, Fulton State Hosp, 1, Mo, 65-; Vet. Admin. Hosp, North Little Rock, Ark, 66- Psychol. Asn. Personality development and change; acquisition and modification of reactions to stress, modeling and behavior change. Publ: Similarities of defense preferences within families and within sex groups, 65 & The relationship of selected variables with intrafamily similarity of defense preferences, 67, J. Proj. Tech. & Personality Assessment; co-auth, Personality of college underachievers who improve with group psychotherapy, Personnel & Guid. J, 68. Address: Dept. of Psychology, University of Missouri, Columbia, Mo. 65202.
- THEODORATIS, DR. ROBERT JAMES, b. Bellingham, Wash, June 24, 28; m. 62; c. 2. ANTHROPOLOGY. B.A. Wash. State Col, 50; M.A. Washington (Seattle), 53, Ph.D.(anthrop), 61. Res. analyst, Human Rels. Area Files, 61-62; asst. prof. ANTHROP, Sacramento State Col, 62-66; ASSOC. PROF, COLORADO STATE, 66- Bibliog. consult, Human Rels. Area Files, 65- AAAS; fel. Anthropol. Assn; Ethnol. Soc; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. General cultural anthropology; primitive religion; ethnology of Europe and the Mediterranean; Pacific Northwest Indians; immigrants in the United States. Publ: Ethnographic bibliography of Europe, Human Rels. Area Files Press, (In press). Address: Dept. of Sociology-Anthropology, Colorado State University, Ft. Collins, Colo. 80521.
- THEODORE, DR. ATHENA (RENTOUNIS), b. Nashua, N.H., Jan. 24, 19; m. 51; c. 3. SOCIOLOGY. B.S. Mass. State Teachers Col, Salem, 41; M.Ed. Boston, 50, M.A. 51, U.S. Dept. Health, Ed. & Welfare fel, 55-56, Ph.D. 56. Instr. SOCIOL, SIMMONS COL, 56-61, asst. prof, 61-67, ASSOC. PROF, 67- U.S.N.R., 43-46. Sociol. Asn. Urban sociology; sociology of the professions; the family. Address: 27 Turning Mill Rd, Lexington, Mass. 02173.
- THEODORE, PROF. CHRIS A (THANASIOS), b. Athens, Greece, Apr. 21, 20; nat; m. 51; c. 1. ECONOMICS. M.A. Athens, 47; M.A. Boston, 50, Ph.D. (econ), 54. Res. instr. econ. & bus, Boston, 54-56, asst. prof. bus. admin, 56-60; Ford Found. fel. math. sch. bus. admin, Harvard, 60-61; assoc. prof. BUS. ADMIN, BOSTON, 61-64, PROF, 65- Consult, U.S. Dept. Transportation & Commerce & UN. Econ. Asn; Sociol. Asn; Statist. Asn. Quantitative methods and research methodology for business administration. Publ: Applied mathematics: an introduction, Irwin, 65; Mathematical models, scientific inquiry, and decisions. In: Proceedings on mathematics: an agent of change, Univ. Hawaii, 66; Boolean algebra and digital computers, C.E. Merrill, 68. Address: 27 Turning Mill Rd, Lexington, Mass. 02173.
- THEODORE, PROF. D(EMETRIOS) E(FSTATHIOS), b. Asia Minor, Oct. 26, 04; nat; m. 40; c. 2. ECONOMICS. B.B.A. Northeastern, 32; A.M. Boston, 33, Ph.D. 38. Asst. prof. Marietta Col, 39-43; economist, U.S. Govt, 43-46; from assoc. prof. to PROF. ECON, CLEVELAND STATE, 46- Lectr, George Washington, 45. Econ. Asn; Statist. Asn. Survey of economic principles. Publ: Public regulation of business. Address: Dept. of Economics, Cleveland State University, Euclid Ave. at E. 24th St, Cleveland, Ohio 44115.
- THEODORIDES, DR. ANGELOS, b. Constantinople, Turkey, June 30, 08; nat; m. 41. ECONOMICS, STATISTICS. B.S. Robert Col. Istanbul, 30; M.B.A. N.Y. Univ, 32, D.C.S. 39. Asst. prof. econ. & statist, Toledo, 38-42; economist, War Prod. Bd, 42-44; sr. economist, For. Econ. Admin, 44-45; U.S. Tariff Cmn, 45-46; prof. econ. & statist, Denver, 46-61; ECONOMIST, U.S. AGENCY INT. DEVELOP, 61- Prog. economist, U.S. Opers. Mission, Jordan, 59-61; Brazil, 61-63; econ. adv, Guatemala, 66-68. Econ. Asn; Statist. Asn. General business and economic conditions; international trade and finance; development. Publ: Iron and steel; Jordan's foreign trade: a measure of the country's need for economic development. Address: U.S. Agency for International Development Program, U.S. Dept. of State, Washington, D.C. 20520.
- THEODORSON, PROF. GEORGE A, b. New York, N.Y., Oct. 19, 24; m. 50; c. 1. SOCIOLOGY. B.A. Cornell, 50, M.A. 51, Ph.D.(sociol), 54. Instr. SOCIOL, Buffalo, 54-55, asst. prof, 55-56; PA. STATE, 56-61, assoc. prof, 61-66, PROF, 66-, DIR. GRAD. STUDIES, SOCIOL. & ANTHROP, 65- Fulbright, Smith-Mundt vis. prof, Rangoon, 58-59; Fulbright, Gast sr. vis. prof, Vienna, 62-63. U.S.A. 43-46. Sociol. Asn; Asn. Asian Studies; Burma Res. Soc. Sociological theory; ecology; Burmese, Indian and Malayan families; study of the college professor. Publ: Studies in human ecology, Harper, 61, 2nd ed, 65; co-auth, Modern dictionary of sociology, Crowell, 68; auth, Acceptance of industrialization and its attendant consequences for the social patterns of non-western societies, Am. Soc. Rev. Address: Dept. of Sociology & Anthropology, Pennsylvania State University, University Park, Pa. 16802.
- THERIAULT, PROF. GEORGE F(RENCH), b. Nashua, N.H., Apr. 19, 11; m. 33; c. 2. SOCIOLOGY. A.B. Dartmouth Col, 33; A.M. Harvard, 42, Ph.D. 51. Res. assoc, Wisconsin, 35-36; U.S. Govt. Resettlement Admin, 36; instr. sociol, DARTMOUTH COL, 36-42, asst. prof, 42-51, prof, 51-61, chmn. dept, 57-61, LINCOLN FILENE PROF. HUMAN RELS, 61- Vis. res. prof, Montreal, 67-68. Sociol. Asn. Minority group relations; human relations; occupations and professions. Publ: Institutional nursing in New Hampshire. Address: Dept. of Sociology, Dartmouth College, Hanover, N.H. 03755.
- THERNSTROM, DR. STEPHAN ALBERT, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- THERTFORD, DR. PAUL E, b. Mobile, Ala, Feb. 20, 25; m. 48; c. 2. PSYCHOLOGY. B.A. La. State, 49; M.S. Tulane, 53, Ph.D. 61. Instr, Dillard, 54-55; res. assoc, HumRRO, George Washington, 55-57; asst. prof, Tex. West. Col, 57-60; psychologist, MENNINGER FOUND, 60-65, SR. RES. PSYCHOLOGIST, 65- Co-prin. investr, Nat. Inst. Ment. Health res. grant attention & psychol. deficit in schizophrenia, 66-69. U.S.A.A.F, 43-46, Sgt. AAAS; Soc. Psychophysiol. Res; Psychol. Asn. Learning; perceptual learning; curiosity and arousal; psychophysiology; schizophrenia; attention. Publ: Co-auth, Generalization of reactive inhibition, Can. J. Psychol, 62; auth, Influence of massing and spacing on Necker Cube, Perceptual & Motor Skills, 63; co-auth, Arousal and Necker Cube reversals, Psychol. Record, 67. Address: Research Dept, Menninger Foundation, Box 829, Topeka, Kans. 66601.
- THERTFORD, DR. WILLIAM N(EWTON), b. Chicago, Ill, Apr. 25, 23. PSYCHOLOGY. B.A. DePauw, 44; Ph.D. Chicago, 49; Wash. Sch. Psychiat, 51-54. Asst. counseling center, Chicago, 45-46; res. psychologist, Psychol. Corp, N.Y., 47; clin. psychologist, Roosevelt Col, 48-49; res. psychologist, inst. psychosomat. & psychiat. res. & training, Michael Reese Hosp, Chicago, Ill, 49-51; sr. psychologist, U.S. Govt, 51-54; dir. dept. psychol. Inst. Living, Hartford, Conn, 54-55; asst. prof. psychol. & chief psychologist, study prog. human ecol, med. col, Cornell, 55-58; ASSOC. PROF. MED. PSYCHOL, COL. PHYSICIANS & SURGEONS, COLUMBIA, & DIR. DIV. CLIN. PSYCHOL, COLUMBIA-PRESBY. MED. CENTER, 58- Consult, For. Serv. Inst, American Univ. Beirut, 53; Nat. Inst. Neurol. Diseases & Blindness, 60- AAAS; fel. Psychol. Asn; fel. Soc. Proj. Tech; Psychosom. Soc; Orthopsychiat. Asn; Fedn. Clin. Res; Interam. Soc. Psychol. Methods of personality assessment; life stress and illness; clinical psychology related to medical education; psychodynamic aspects of intellectual functioning. Publ: Development aspects of personality structure in normal children, J. Proj. Tech; Fantasy perceptions in the personality development of normal and deviant children, Am. J. Orthopsychiat; contrib, An objective measurement of frustration tolerance in evaluating psychotherapy. Address: 9 E. 78th St, New York, N.Y. 10021.
- THEVAOS, DR. DENO G(EOERGE), b. Augusta, Ga, July 8, 19; m. 42. PSYCHOLOGY. B.A. Emory, 40; A.M. Columbia, 47, Ed.D.(ed. & develop. psychol), 51. Instr. PSYCHOL, PA. STATE, 47-49, asst. prof, 50-53, ASSOC. PROF, 54- U.S.A.A.F, 42-43, Sgt. AAAS; Psychol. Asn. Language and concept development; teaching and learning processes; television and videotaped instruction. Address: Dept. of Educational Psychology, Pennsylvania State University, University Park, Pa. 16802.
- THIBAUT, PROF. J(OHN) W(ALTER), b. Marion, Ohio, Apr. 30, 17; m. 44; c. 2. PSYCHOLOGY. A.B. North Carolina, 39; Ph.D.(psychol), Mass. Inst. Tech, 49. Study dir, Res. Center Group Dynamics, Mich, 48-49; asst. prof. psychol, Boston, 49-51; res. assoc. & lectr. soc. psychol, Harvard, 51-53; assoc. prof. PSYCHOL, NORTH CAROLINA, CHAPEL HILL, 53-55, PROF, 55-, chmn. dept, 60-66. Center for Adv. Study Behav. Sci. fel, 56-57; U.S. Pub. Health Serv. spec. fel, Sorbonne, 63-64. Ed. J. Exp. Soc. Psychol, 65- Mem. adv. panel, div. soc. sci, Nat. Sci. Found, 58-61; fcls. div, U.S. Pub. Health Serv, 61-63; bd. dirs, Soc. Sci. Res. Coun, 67-70. U.S.A.A.F, 42-46, Lt. Psychol. Asn. Social communications; social perception. Publ: Social psychology of groups; co-auth, Authoritarianism, status and the communication of aggression, Human Rel; Some determinants and consequences of the perception of social causality, J. Personality. Address: Dept. of Psychology, University of North Carolina, Chapel Hill, N.C. 27514.
- THIELMAN, DR. GEORGE GERHARD, b. Rosenort Village, S.Russia, Nov. 11, 04; U.S. citizen; m. 54; c. 2. COMPARATIVE POLITICS & GOVERNMENT. B.A. Bluffton Col, 28; M.A. Ohio State, 30; scholar, Leipzig & Berlin, 37-38; summer fel, Case, 53; Ph.D.(polit. theory), Western Reserve, 55. Prin. high sch, Sask, 44-46; instr, Can. Voc. Training Sch, 46-47; hist. & mod. probs, Rosthern Jr. Col, 48-49; govt. & polit. sci, Bluffton Col, 49-50; asst. prof. polit. sci, German & econ. sociol, Guilford Col, 51-56; ASSOC. PROF. POLIT. SCI, GA. STATE COL, 56- Asst. Toronto, 48-49; instr, Western Reserve, summer, 50. Communism; inter-group education; Canadian Huttenites; cultural contributions of Germans to Canada. Publ: At the gates of Moscow and what Communism means and does, Columbia Press, Can, 64; Mennonites walk a humble path, Atlanta constitution, 12/64; The teaching of democracy, Atlanta J. Forum, 10/66. Address: Dept. of Political Science, Georgia State College, 33 Gilmer St. S.E., Atlanta, Ga. 30303.
- THIEMANN, ELFRIEDE, b. Berlin, Germany, July 2, 27; U.S. citizen. INTERNATIONAL AFFAIRS. A.B. Washington (St. Louis), 51, A.M. 52; Columbia, 52-55. Assoc. dir. planning & res, Gordon Friesen, Assocs, Costa Rica, 56-58; soc. ins. res. analyst, div. prog. planning, Soc. Security Admin, 59-61; surv. consult, Agency Int. Develop, Jamaica, 61-62; soc. ins. res. analyst, div. disability opers, Soc. Security Admin, 62-63, div. claims

policy, 63-65; prog. officer, AM. INST. FREE LABOR DEVELOP, 65-66, soc. proj. officer, BRAZIL, 66-68, NORTHEAST AREA DIR, 68- Polit. Sci. Assn. Design, development and implementation of sample surveys in social insurance and general program evaluation; Soviet foreign affairs studies; research preceding economic development programs. Address: c/o AMCONGEN, Recife, USAID/AIFLD, APO New York 09676.

THIEME, DR. FREDERICK P(ATTON), Anthropol, see 11th ed, Phys. & Biol. Vols.

THIESEN, DR. J(OHN) WARREN, Psychol, see 10th ed, Soc. & Behav. Vols.

THIESENHUSEN, DR. WILLIAM CHARLES, b. Waukesha, Wis, Feb. 12, 36; m. 60; c. 2. AGRICULTURAL ECONOMICS. B.S., Wisconsin, 58, univ. fel, 59-60, M.S. 60, Ph.D.(agr. econ), 65; Danforth Found. fel, Harvard, 61-62, univ. fel. & M.P.A., 62. Instr. agr. exten, Wisconsin, 59-61, exec. asst, land tenure center, 62-63, instr. agr. econ, Wisconsin, Univ. Chile, 63-65; asst. prof. econ, Wisconsin, Milwaukee, 66-67; AGR. ECON, WISCONSIN, 65-68, ASSOC. PROF, land tenure center, 68- Summer prof, Nat. Sch. Agr. Mex, 65. Mem. gov. cmn. human rights, Wis. Youth Adv. Bd, 54-55, 56. Agr. Econ. Assn; Asn. Evolutionary Econ; Latin Am. Studies Assn. Agricultural economics and development; colonization; agrarian reform; agricultural institutions in Latin America. Publ: Chile's experiments in agrarian reform, Univ. Wisconsin, 66; co-auth, Problems of agriculture, U.S. Govt. Printing Off, 67; auth, Grassroots economic pressures in Chile: an enigma for development planners, Econ. Develop. & Cultural Change, 4/68. Address: Land Tenure Center, 310 King Hall, University of Wisconsin, Madison, Wis. 53706.

THIGPEN, PROF. CHARLES, b. Knoxville, Tenn, July 5, 30; m. 52; c. 3. STATISTICS. B.S. Tennessee, 55, M.S. 57; Ford Found. fel, Va. Polytech, 59-60, Nat. Sci. Found. fel, 60-61, Ph.D., 61. Asst. prof. STATIST, Va. Polytech, 61; from asst. prof. to PROF. & HEAD DEPT, TENNESSEE, 61-Distribution theory. Address: Dept. of Statistics, University of Tennessee, Knoxville, Tenn. 37916.

THISTLETHWAITE, PROF. DONALD L(AVERNE), b. Oak Park, Ill, Dec. 18, 22; m. 45; c. 5. PSYCHOLOGY. B.S., Northwestern, 46; M.A., California, 48, Kofoid Eugenics fel, 49-50, Ph.D.(psychol), 50. Asst. prof. psychol, Western Reserve, 50-51; Illinois, 51-57; assoc. dir. res, Nat. Merit Scholar Corp, 57-61; PROF. PSYCHOL, VANDERBILT, 61- Field reader, U.S. Off. Ed, 65- AAAS; Psychol. Assn. Theories of attitude change; cognitive processes; quasi-experimental research methods in evaluating effects of higher education. Publ: Critical review of latent learning and related experiments, Psychol. Bull; co-auth, Effects of teacher and peer subcultures upon student aspirations, J. Ed. Psychol, 66; auth, Effects of familiarization and group discussion upon risk taking, J. Personality & Soc. Psychol, 67. Address: Dept. of Psychology, Vanderbilt University, Nashville, Tenn. 37215.

THOBABEN, DR. ROBERT G(ORGE), b. Cleveland, Ohio, Apr. 3, 24; m. 47; c. 2. POLITICAL SCIENCE. B.S.C., Ohio, 48; M.A., Miami (Ohio), 62; Ford fel, Cincinnati, 63-64, Ph.D.(polit. sci), 67. Instr. POLIT. SCI, Miami (Ohio), 64-67; ASST. PROF, WRIGHT STATE, 67- U.S.A., 42-45. Polit. Sci. Assn. Comparative Marxist theory; methodology; political theory. Address: 201 Gershwin Dr, Centerville, Ohio 45459.

THOLE, HENRY, b. Kalamazoo, Mich, Sept. 7, 23; m. 50; c. 3. ECONOMICS. B.A., Kalamazoo Col, 47, M.A., 49. INDUST. PROJ. DIR, W.E. UPJOHN INST. EMPLOY. RES, 48- Mem. Am. Indust. Develop. Coun. U.S.M.C., 43-46. Econ. Assn; Mgt. Assn; Planning Assn; Indust. Rel. Assn; Asn. Bus. Econ. Management; industrial relations; employment; problems associated with poverty, especially employment and training programs for disadvantaged. Publ: Shortages of skilled manpower; co-ed. & contrib, Business action in a changing world; co-auth, Are wages high in Detroit?, Upjohn Inst, 63. Address: W.E. Upjohn Institute for Employment Research, 300 S. Westnedge Ave, Kalamazoo, Mich. 49007.

THOLFSEN, DR. TRYGVE RAINONE, Mod. European & Eng. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

THOMAN, DR. CLEMENS B, b. Lamar, Colo, May 5, 17; m. 40; c. 6. ECONOMICS. B.A., Colorado, 40, M.A., 41; Ph.D., Texas, 53. Instr. econ, Alabama, 42-44; bus. analyst, Olan Mills Inc, Tenn, 44-47; asst. prof. ECON, NEBRASKA, LINCOLN, 47-57, ASSOC. PROF, 57- Econ. Assn. Capital formation theory; economic philosophy centering around capital formation theory. Publ: Requirements of technology on capital formation, Southwest. Soc. Sci. Quart; Emerging economic philosophy of the western world, Nebr. J. Econ. & Bus. Address: Dept. of Economics, University of Nebraska, Lincoln, Nebr. 68508.

THOMAN, PROF. RICHARD S(AMUEL), b. Lamar, Colo, May 10, 19; m. 42; c. 2. GEOGRAPHY. B.A., Colorado, 41, M.A., 48; Salisbury & Asher fells, Chicago, 51-52, Ph.D.(geog), 53. Instr. geog, Missouri, 48-51; res. assoc, Chicago, 54-55; assoc. prof. & head dept, Omaha, 55-57; private researcher & consult, D.C., 57-61; assoc. prof. GEOG, QUEEN'S (ONT), 61-63, PROF, 63- Dir. regional develop, Prov. Ont, 67- Mem. cmn. col. geog, Nat. Sci. Found, 65-67. Asn. Am. Geog; Am. Geog. Soc; Can. Assn. Geog; Can. Assn. Am. Studies (v. pres, 65-67). Economic geography; Anglo-American and European geography. Publ: Co-ed, Areas of economic stress in Canada, Queen's Univ, Ont, 65; co-auth, The geography of international trade, Prentice-Hall, 67 & The geography of economic activity, McGraw, 2nd ed, 68. Address: Dept. of Geography, Queen's University, Kingston, Ont, Can.

THOMAS, DR. ALEXANDER, Psychiat, see 11th ed, Phys. & Biol. Vols.

THOMAS, SISTER ANNETTE, b. Lebanon, Ky, Nov. 28, 31. EDUCATIONAL PSYCHOLOGY. A.B., Brescia Col.(Ky), 60; M.A., Catholic Univ, 61, Ph.D. (ed. psychol), 64. Teacher, parochial sch, Mo, 52-59; asst. ed. psychol, Catholic Univ, 61-62; asst. prof. ED. & PSYCHOL, BRESCIA COL.(KY), 64-65, PROF. & CHMN. DEPT, 65- Learning; vocabulary related to school learning. Publ: The vocabulary of religion in Catholic elementary schools, grades 6-8, Catholic Univ, 64. Address: Dept. of Education & Psychology, Brescia College, Owensboro, Ky. 42301.

THOMAS, PROF. ARCHIE C, b. Magnolia, Ark, Nov. 29, 06; m. 39; c. 4. ECONOMICS, BUSINESS ADMINISTRATION. B.S., Okla. Agr. & Mech. Col, 29, M.S. 35, D.Ed, 51. Head dept. commerce, high sch, Stillwater, Okla, 33-39; asst. prof. econ. & bus. admin, Southwest. La. Inst, 39-41; defense construct, 42-44; acct. clerk, Cities Serv. Ref. Corp, 45-46; from asst. prof. to PROF. ECON. & BUS. ADMIN, FT. HAYS KANS. STATE COL, 46- U.S.A., 44-45. Aspects of the problem of determining shorthand transcription rates; book-keeping; typewriting. Address: Dept. of Economics, Ft. Hays Kansas State College, Hays, Kans. 67602.

THOMAS, DR. ARTHUR R(AYMOND), b. Nyack, N.Y, Oct. 17, 29. PSYCHOLOGY. A.B., Princeton, 50; Sc.M., Brown, 53, fel, Northwestern, 53-55, Ph.D. (psychol), 56. Asst. PSYCHOL, Brown, 50-53; instr, WEST VIRGINIA, 56-57, asst. prof, 57-62, ASSOC. PROF, 62- Psychol. Assn; Statist. Assn. Statistical methods; learning; sensory process. Address: Dept. Psychology, West Virginia University, Morgantown, W.Va. 26506.

THOMAS, PROF. BENJAMIN E(ARL), b. Boise, Idaho, July 30, 13; m. 40; c. 4. GEOGRAPHY. B.S., Idaho, 34, M.S. 35; Wisconsin, 36; Michigan, 37; California, 39; M.A., Ohio State, 40; George Washington, 40-41; fel, Harvard, 46-47, Ph.D.(geog), 47. Instr. GEOG, CALIFORNIA, LOS ANGELES, 47-49, asst. prof, 49-56, assoc. prof, 56-62, PROF, 62- U.S.A., 42-45, Capt. Am. Am. Geog. Geography of Africa and the Middle East. Publ: Trade routes of Algeria and the Sahara; Kenya and Uganda; Transportation and physical geography in West Africa. Address: Dept. of Geography, University of California, Los Angeles, Calif. 90024.

THOMAS, PROF. CARL R(AYMOND), b. Bates City, Mo, June 16, 00; m. 24; c. 2. GEOGRAPHY. B.S., Cent. Mo. State Col, 24; M.A., Missouri, 29; fel. & Ph.D., Nebraska, 43. Asst. prof. ed, Nebr. State Col, 30-40; elem. prin, pub. schs, Mich, 45-46; PROF. GEOG. & CHMN. DIV. SOC. SCI, CENT. STATE COL.(OKLA), 46- U.S.A.A.F., 42-45, 2nd Lt. Asn. Am. Geog. Statistical interpretation; economic geography; climatology. Publ: Statistical interpretation of mineral data, Proc. Okla. Acad. Sci; What value mathematics, Nebr. Ed. J; Geography in the curriculum, Okla. Teacher. Address: 3604 Baird Dr, Edmond, Okla. 73034.

THOMAS, PROF. CHARLES M(ARION), Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

THOMAS, DR. CLAUDEWELL S, b. New York, N.Y, Oct. 5, 32; m. 58; c. 3. PSYCHIATRY. A.B., Columbia, 52, M.D., State Univ. N.Y. Downstate Med. Center, 56; M.P.H., Yale, 64. Intern, Flushing Hosp, 56-57; resident psychiatrist, Brooklyn Vet. Admin. Hosp, 57-59; chief resident, Yale-West Haven Prof, 61-62; instr. PUB. HEALTH, SOCIOL. & PSYCHOL, SCH. MED, YALE, 63-65, asst. prof, 65-68, ASSOC. PROF, 68- DIR. TRAINING PROG. SOC. & COMMUNITY PSYCHIAT, 68- Consult, Conn. Valley Hosp, 61-; chief emergency treatment unit, Conn. Ment. Health Center, 65-67, dir. Hill West Haven Div, 67-; ed. consult, Gen. Practitioner Ed. Course, 65- U.S.A.F., 59-61, Capt. AAAS; Psychiat. Assn; assoc. Sociol. Assn. Social and community psychiatry. Publ: Co-auth, A social psychiatric view of psychologic misfunction, Arch. Gen. Psychiat, 6/65; auth, The multiproblem family, Med. Times, 8/66. Address: 99 Spring St, West Haven, Conn. 06516.

THOMAS, DAVID JOHN, b. Taylor, Pa, Apr. 26, 24; m. 44; c. 1. STATISTICS, LAW. B.S., Nebraska, 49, LL.B., 52, M.A., 58. Salesman calculating mach, Friden Calculating Mach. Co, 53-58; RES. STATISTICIAN & PRES, LINCOLN COMMERCIAL TABULATION CENTER, INC, 58- Instr. econ, Nebraska, 62-63; vis. lectr, Union Col.(Nebr), 64-65; instr. data processing, Lincoln Adult Ed, 64-65. Attorney, 52- Statist. consult, Dale Prods, 61. U.S.A.A.F., 43-46. Statist. Assn. Retail trade in cities of approximately 100,000 population. Publ: Intercity differentials in retail trade, In: City and regional wage comparisons. Address: Lincoln Commercial Tabulation Center, Inc, 2118 S. 15th St, Lincoln, Nebr. 68502.

THOMAS, DR. DAVID L, b. Bellingham, Wash, Sept. 2, 36; m. 60; c. 2. SOCIOLOGY. B.S., Fla. State, 59; M.A., Iowa, 60, Ph.D.(sociol), 63. ASST. PROF. SOCIOL, WEST. WASH. STATE COL, 65- Nat. Sci. Found. fel. sociol, California, Berkeley, 63-65. Sociol. Assn. Principles and strategies of theory construction; history of social theory; individual and status-role behavior; methods and techniques of social research; organizational and community theory and research. Address: Dept. of Sociology-Anthropology, Western Washington State College, Bellingham, Wash. 98225.

THOMAS, PROF. DAVID R(OLF), b. Brooklyn, N.Y, Apr. 5, 33; m. 57; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A., Brooklyn Col, 54, M.A., 56; Ph.D. (psychol), Duke, 61. Instr. PSYCHOL, Kent State, 58-62, asst. prof, 62-66, assoc. prof, 66-67; COLORADO, 67-68, PROF, 68- Res. grants, Nat. Insts. Health, 61-66, 67-, Nat. Sci. Found, 66-67. Psychol. Assn; Psychonomic Soc. Operant conditioning; learning and perception in animals; the stimulus control of behavior. Publ: Co-auth, The role of stimulus labeling in stimulus generalization, 66, The effect of interdimensional training on stimulus generalization, 66 & Information value and stimulus configuring as factors in conditioned reinforcement, 68, J. Exp. Psychol. Address: Dept. of Psychology, University of Colorado, Boulder, Colo. 80302.

THOMAS, PROF. D(ONALD) WOODS, b. Ebensburg, Pa, Apr. 28, 25; m. 51; c. 7. AGRICULTURAL ECONOMICS. B.S., Pa. State, 50, M.S., 52, fel, 52-53, Ph.D., 54; California, 51-52; hon. Dr. Minas Gerais, 63. ASST. AGR. ECON, Pa. State, 50-51; asst. prof, PURDUE, 54-57, assoc. prof, 58-60, PROF, 60-, ASSOC. DEAN & DIR. INT. PROGS. AGR, 65-, agr. economist, Purdue-Brazil proj, Brazil, 60-62. Consult, State Hwy. Dept, Ind, 58-60; agr. consult. on Argentina & Brazil, Ford Found, 63-; for Brazil, Int. Rural Develop. Off, Nat. Assn. State Univs. & Land Grant Colls, D.C., 65-67. Mem. Int. Conf. Agr. Econ, 60-; U.S.-Brazil Sci. Coop. Prog. Joint Study Group Agr. Econ, Nat. Acad. Sci, 67- U.S.N.R., 43-46. Agr. Econ. Assn; Brazilian Soc. Rural Econ. Production economics; economics of irrigation and of human resources in agriculture; decision-making process in farm management; economics of international agricultural development. Publ: Co-auth. & co-ed, A study of managerial processes of Midwestern farmers; co-auth, Analysis of human attributes and their relationship to performance level of farm tenants, Ind. Agr. Exp. Sta, Purdue, 11/62; auth, Agriculture's position in

- Latin America, Proc. Agr. Res. Inst. Annual Meeting, 10/65. Address: International Programs in Agriculture, Purdue University, Lafayette, Ind. 47907.
- THOMAS, PROF. DOROTHY SWAINE, b. Baltimore, Md, Oct. 24, 99; m. 35. DEMOGRAPHY. B.A. Columbia, 22; Ph.D.(econ), London, 24. Asst. Fed. Reserve Bank, N.Y. 24-25; Soc. Sci. Res. Coun. fel. 25-26; asst. prof. ed. teachers col. Columbia, 27-30; dir. res. soc. statist. Yale, 30-39; mem. staff, Carnegie Corp. Study Negro, 39-40; lectr. sociol. California, 40-41; prof. rural sociol. 41-48; dir. evacuation & resettlement study, 42-47; PROF. SOCIOL. PENNSYLVANIA, 48-, co-dir. pop. studies center. Vis. prof. Stockholm, 33, 35 & 36. Spec. analyst, Fed. Emergency Relief Admin, 35-36; tech. assistance expert, UN, 57 & 63-64. Consult. Bur. Budget, Exec. Off. President, Bur. Census, 65-; U.S. Dept. Agr. 66- Sociol. Asn. (pres, 54); Philos. Soc; Pop. Asn.(v.pres, 41-45, 48, pres, 59); fel. Statist. Asn.(v.pres, 46). Social demography; population change and economic development; migration studies. Publ: Japanese-American evacuation and resettlement, Vols. I & II; Social and economic aspects of Swedish population movements; Population redistribution and economic growth, United States, 1870-1950, Vols. I, II & III. Address: Population Studies Center, University of Pennsylvania, Philadelphia, Pa. 19104.
- THOMAS, PROF. EDWIN JOHN, b. Flint, Mich, Nov. 14, 27; m. 50; c. 2. SOCIAL PSYCHOLOGY. A.B. Wayne State, 51, M.S.W. 53; Ph.D.(soc. psychol), Michigan, 56. Asst. group psychol. res. center group dynamics, MICHIGAN, 53-55, res. assoc. 55-56, res. dir. aid dependent children study, SCH. SOC. WORK, 56-57, res. consult. 57-58, asst. prof. SOC. WORK & PSYCHOL, 56-59, assoc. prof. 59-63, PROF. 63- Spec. lectr. Wayne State, 60; vis. prof. & sr. Fulbright lectr. Bradford, 67-68. Mem. Coun. Social Work Ed, 56- U.S.A. 46-48. Fel. Psychol. Asn; fel. Sociol. Asn; Asn. Social Workers. Social science; social work; group psychology; role theory; processes of interpersonal influence; application of social science to social practice; therapeutic processes and outcomes; research techniques and methods; behavioral modification. Publ: Co-auth. In-service training and reduced workloads—experiments in a state welfare department, Russell Sage, 60; co-ed, Role theory: concepts and research, Wiley, 66; auth. & ed, Behavioral science for social workers, Macmillan, 67. Address: School of Social Work & Dept. of Psychology, University of Michigan, Ann Arbor, Mich. 48104.
- THOMAS, PROF. EDWIN R(USSELL), b. Richmond, Va, Jan. 16, 16; m. 38. PSYCHOLOGY. B.A. Richmond, 48; M.S. N.C. State Col, 50; Pa. State, 51; Ph.D. Syracuse, 58. Instr. psychol. Richmond Pfnl. Inst. 50-52; res. assoc. spec. ed. Syracuse, 53-55; asst. prof. PSYCHOL. RICHMOND PRFNL. INST. 55-58, PROF. & HEAD DEPT. 58- Vis. scientist, Am. Psychol. Asn, 66- Consult. Richmond Goodwill Indus; Dept. Health, Ed. & Welfare, 63- Psychol. Asn; Personnel & Guid. Asn. Psychological aspect of cerebral palsy, especially confusion in a figure-ground and other perceptual anomalies; prediction of job success in the success in the mentally retarded. Address: 901 W. Franklin St, Richmond, Va. 23220.
- THOMAS, DR. FRANK HENRY, b. Chicago, Ill, Jan. 25, 32; m. 58; c. 2. ECONOMIC GEOGRAPHY. B.S. Illinois, 55; M.A. Northwestern, 56, cert. 58, Ph.D. 60. Asst. prof. GEOG. SOUTHERN ILLINOIS, 59-64, ASSOC. PROF. 64-, CHMN. DEPT. 65- U.S.N.R. 50-52. Asn. Am. Geog. Am. Geog. Soc; Regional Sci. Asn. Transportation geography; study of route to hinterland relationships; regional economic development. Publ: Denver and Rio Grande Western Railroad: a geographic analysis, Northwest. Studies Geog; co-auth. Economic revitalization in the confluence region: an argument for a regional scale approach to areas of depression, Occasional Papers in Geog. Southern Ill. Univ. 65; Recreation-based economic development and the growth-point concept, Land Econ, 2/66. Address: Dept. of Geography, Southern Illinois University, Carbondale, Ill. 62901.
- THOMAS, PROF. GARTH J(OHNSON), Neuropsychol, see 11th ed, Phys. & Biol. Vols.
- THOMAS, DEAN GLENN G, b. Branchville, S.C, Jan. 28, 25; m. 47; c. 3. POLITICAL SCIENCE, SOCIOLOGY. B.A. Furman, 45; M.A. Wisconsin, 46; Colorado, summers, 64-65; Ph.D.(polit. sci, sociol), St. Louis, 68. Asst. prof. Eng. & dir. pub. rels. Furman, 46-48; newspaper ed. & pub. 48-62; dean admissions, Lindenwood Col, 63-65, v.pres. 65-66; dean, Col. Charleston, 66-67, sr. prof. polit. sci, 66-67; assoc. dean sch. allied health sci, MED. COL. S.C. 67, DEAN UNDERGRAD. SCH. 67- Polit. Sci. Asn. Group interaction, socio-political change with particular emphasis on interaction in periods of social reform. Address: 55 E. Bay St, Charleston, S.C. 29401.
- THOMAS, PROF. GORDON L, Speech, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- THOMAS, PROF. GRANT RICKS, b. Sugar City, Idaho, Apr. 4, 21; m. 44; c. 6. MARKETING, ECONOMICS. B.S. Utah, 49, M.S. 56; D.B.A.(mkt. mgt), Oregon, 63. Agent cashier & area supvr. labor br. U.S. Dept. Agr. 44-47; salesman, Sears Roebuck Co, 47-49; mgr, Sugar City Mercantile Co, 50-55; pub. acct. Waltz Pub. Acct. 57-59; instr. Oregon, 59-61; chmn. div. bus. & econ. Ricks Col, 62-64; PROF. MKT. & DIR. DIV. BUS. & INDUST. EAST. WASH. STATE COL, 65- Instr. exten. div. Ore. Higher Ed, 59-61; lectr. Small Bus. Admin. Seminar, 65-67. Mkt. Asn. Management. Address: Division of Business & Industry, Eastern Washington State College, Cheney, Wash. 99004.
- THOMAS, DR. H(AROLD) E(DGAR), Hydrol, Geol, see 11th ed, Phys. & Biol. Vols.
- THOMAS, DR. HARVEY M(ONROE), b. Marshall, Mo, Sept. 22, 25; m. 47; c. 3. PSYCHOLOGY. A.B. William Jewell Col, 47; Ph.D. Washington (St. Louis), 53. Prof. psychol. William Jewell Col, 49-53, chmn. dept. psychol. & ed, 53-55; consult. Nordin, Ogan, Wilson Assocs, 53-59, PARTNER, THOMAS & ASSOCS, 59- U.S.N.R., 43-46, Lt.(jg). Psychol. Asn. Executive appraisal; creativity; psychology of learning. Address: 617 Jefferson Circle, Liberty, Mo. 64068.
- THOMAS, DR. HELEN SHIRLEY, b. Baltimore, Md, Sept. 24, 31. POLITICAL SCIENCE. A.B. Goucher Col, 53; M.A. Hopkins, 55, Am. Asn. Univ. Women fel, 57-58, Soc. Sci. Res. Coun. fel, 58-59, Ph.D.(pub. law), 59. Instr. POLIT. SCI, Hopkins, 58-59; Goucher Col, 59-61, asst. prof. 61-67; ASSOC. PROF. LOYOLA COL(MD), 67- Polit. Sci. Asn. Contemporary theory and practice in American public law. Publ: Felix Frankfurter, scholar on the bench; co-auth. Essays in legal history in honor of Felix Frankfurter, Bobbs; auth. William O. Douglas and the concept of a fair trial, Vanderbilt Law Rev, 65. Address: 1002 Kenilworth Dr, Towson, Md. 21204.
- THOMAS, PROF. HOBART F(ULLER), b. Carbondale, Pa, Feb. 22, 24; m. 46; c. 3. PSYCHOLOGY. A.B. Southern Methodist, 47; M.A. Stanford, 48, Ph.D. 51. PROF. PSYCHOL, San Francisco State Col, 51-61; SONOMA STATE COL, 61- Psychologist, Sonoma County Ment. Hyg. Clin, 57-59; summer trainer, West. Training Lab. Group Develop, 55-56; assoc. Nat. Training Labs. Group Develop. Consult. Homewood Terrace, 55-57; U.S. Air Force, Norton Air Force Base, San Bernardino, Calif, 59-61. U.S.A.A.F., 43-45, 1st Lt. Psychol. Asn; Acad. Psychother. Personality theory; psychotherapy; group dynamics. Publ: Relationship of movement responses on the Rorschach to the defense mechanism of projection & co-auth. Is satisfaction with self a measure of adjustment, J. Abnorm. & Soc. Psychol; Maze performance of albino rats under influence of dilantin sodium while subjected to electroshock, J. Psychol. Address: 2256 Cummings Dr, Santa Rosa, Calif. 95404.
- THOMAS, DR. J. BRUCE, b. Oaklandon, Ind, June 8, 18; m. 50; c. 1. SOCIOLOGY. B.S. Indiana, 40, Ph.D.(sociol), 59; M.S. N.Y. Univ, 41. Lectr. SOCIOL, Indiana, 50-56; instr. Mary Washington Col, Virginia, 56-58; SOUTHERN ILLINOIS, 58-59, asst. prof. 59-61, ASSOC. PROF. 61-, ASST. TO V.PRES. ACAD. AFFAIRS, 66-, asst. dean acad. affairs, 60-66. U.S.A. 42-46, Sgt. Sociol. Asn; Soc. Study Soc. Probs; Anthropol. Asn; Ethnol. Soc. Sociological and social-psychological theories; international narcotics control. Address: Academic Affairs Office, Southern Illinois University, Edwardsville, Ill. 62025.
- THOMAS, DR. JAMES D, b. Greeley, Colo, June 12, 29; m. 54; c. 4. POLITICAL SCIENCE. B.S.F.S. Georgetown, 55; Huntley Found. fel. Claremont Grad. Sch, 60-61, M.A. 61, Mayr Found. fel, 61-62, Haynes Found. fel, 62-63, Am. Inst. Indian Studies fel, 63-64, Ph.D.(govt), 65. Jr. mgt. engr, Kaiser Steel Corp, 55-58; systs. & procedures planner, Rohr Aircraft Corp, 58-59, sr. systs. & procedures planner, 59-61; instr. polit. sci. San Bernardino Valley Col, 61-63; lectr. California, Santa Barbara, 63-64; asst. prof. Loyola (Calif), 64-65; DIR. MGT. SERV. PHOTOTRON CORP, 65-, consult. 62-63. Consult. City of Pomona, Calif. 61. U.S.N. 50-52. Polit. Sci. Asn; Mgt. Asn. Organization and decision-making process of the Constituent Assembly of India. Address: 125 W. Wabash St, Rialto, Calif. 92376.
- THOMAS, JOHN L(AWRENCE), S.J, b. Berlin, Wis, Apr. 9, 10. SOCIOLOGY. A.B. St. Louis, 33; M.A. Montreal, 37; S.T.L. St. Mary's Col.(Kans), 44; Ph.D.(sociol), Chicago, 49. Instr. SOCIOL, St. Louis, 49-53, asst. prof. 53-59, assoc. prof. 59-64, prof. 64-65; RES. ASSOC. CAMBRIDGE CENTER SOC. STUDIES, 65- Guggenheim fel, 53-54. Mem. bd. dirs. Sex Info. & Ed. Coun. U.S. 65-67. Sociol. Asn; Asn. Marriage Counsr; Pop. Asn. Marriage and the family; industrial relations. Publ: The American Catholic family, Prentice-Hall, 56; Religion and the American people, Newman, 63; Looking toward marriage, Fides, 65. Address: 42 Kirkland St, Cambridge, Mass. 02138.
- THOMAS, DR. JOHN W(ARREN), b. Green Island, Iowa, Dec. 9, 20; m. 46; c. 3. AGRICULTURAL ECONOMICS. B.S. Iowa State Col, 49, M.S. 51, Ph.D.(agr. econ), 54. Agr. economist, agr. res. serv. U.S. Dept. Agr. Nebr, 53-54; asst. prof. farm mgt, Ariz. State Col, 54-55; agr. economist, N.Mex. Col, 55-57; Tex. Tech. Col. & Agr. & Mech. Col, Tex, 57-60; bur. mkt. Calif. Dept. Agr, 60-65; dir. mkt. Iowa Dept. Agr, 65-67; SPECIALIST AGR. MKT. INTER-AM. DEVELOP. BANK, D.C. 67- U.S.A.A.F., 43-46. Mkt. Asn; Agr. Econ. Asn. Farm management; soil conservation; marketing. Publ: Timing of conservation returns; Irrigation increases income level but may not stabilize production, Proc. West. Farm Econ. Asn. Address: 3713 King Arthur Rd, Annandale, Va. 22003.
- THOMAS, SISTER MARY ELOISE, B.V.M, b. Chicago, Ill, Apr. 7, 24. ECONOMICS. B.A. Mundelein Col, 47; M.A. Notre Dame, 55, scholar, 58-59, Ph.D.(econ), 60. Teacher, Nazareth Acad, Ill, 47-48; Hayes Cath. High Sch, Iowa, 51-54; instr. ECON. MUNDELEIN COL, 54-56, assoc. prof. 59-66, PROF. 66-, CHMN. DEPT. 59- Summers, Repub. Steel econ-in-action fel, Case, 60; Gen. Elec. fel. appl. econ, Chicago, 61. Econ. Asn. Economics; social science. Publ: Study of the causes and consequences of the economic status of migratory farm workers in Illinois, Indiana, Michigan and Wisconsin, 1940-1958. Address: Dept. of Economics, Mundelein College, 6363 N. Sheridan Rd, Chicago, Ill. 60626.
- THOMAS, PROF. MORGAN, Polit. Sci, see 10th ed, Soc. & Behav. Vols.
- THOMAS, PROF. MORGAN D, b. Pontiliw, S.Wales, Jan. 5, 25; m. 49; c. 4. ECONOMIC GEOGRAPHY. Ph.D.(geog), Queen's (North. Ireland), 54. Instr. geog. & conserv. Michigan, 55-56, lectr. conserv. 56-57; assoc. prof. geog. Montana State, 57-59, chmn. dept. 58-59; assoc. prof. WASHINGTON (SEATTLE), 59-65, PROF. GEOG. & URBAN PLANNING, 65- Exchange fel, Michigan, 54-55; Ford Found. study res. grant, 67-68. R.A.F., 43-47. Asn. Am. Geog. Econ. Asn; Regional Sci. Asn.(ed, 62-). Economic geography, especially manufacturing; regional economic growth and industrial development. Address: Dept. of Geography, University of Washington, Seattle, Wash. 98105.
- THOMAS, PROF. MORGAN I, b. Hartley, Iowa, Apr. 1, 17; m. 47; c. 2. ECONOMICS, BUSINESS. B.A. Westmar Col, 40; M.A. Iowa, 47, Ph.D.(bus), 55. Instr. high sch, 40-42; Boone High Sch. & Jr. Col, 43-48; bus. Wis. State, Whitewater, 48-53; PROF. ECON. & DEAN SCH. BUS. MANKATO STATE COL, 53- U.S.A.A.F., 42-43. Econ. Asn. Community research and assistance primarily in business areas through collection and supplying of base economic data. Address: 115 Ellis Ave, Mankato, Minn. 56001.

THOMAS, DR. NORMAN CARL, b. Sioux Falls, S.Dak, Feb. 16, 32; m. 53; c. 4. POLITICAL SCIENCE. B.A., Michigan, 53; M.A., Princeton, 58, Ph.D.(politi), 59. Instr. POLIT. SCI, MICHIGAN, 59-62, asst. prof, 62-65, ASSOC. PROF, 65- Distinguished Serv. Award, Univ. Michigan Develop. Coun, 64. U.S.N., 53-56, Lt.(jg). Polit. Sci. Asn; Soc. Pub. Admin. American government and politics; public administration. Publ: Co-auth, Congress: politics and practice, 64 & auth, Rule 9: politics, administration and civil rights, 66, Random; Co-auth, The political socialization of national legislative elites in the United States and Canada, J. Polit, 65. Address: Dept. of Political Science, University of Michigan, Ann Arbor, Mich. 48104.

THOMAS, DR. NORMAN D, b. Kansas City, Mo, Feb. 21, 26; m. 54; c. 2. ANTHROPOLOGY. B.A., New Mexico, 51, M.A., 56; Nat. Inst. Ment. Health fel, California, Berkeley, 63-66, Ph.D.(anthrop), 67. Curator ANTHROP, San Diego Mus. Man, 58-61; ASST. PROF, Nebraska, Lincoln, 66-68; NORTH-ERN ARIZONA, 68- U.S.A., 46-47. Anthropol. Asn. Ethnology of contemporary Middle America; social structure and ceremonial organization of Middle American Indian and peasant communities. Publ: Mayordomia: continuity and change, Kroeber Anthropol. Soc, fall 62. Address: Dept. of Anthropology, Northern Arizona University, Flagstaff, Ariz. 86001.

THOMAS, DR. NORMAN WILBERFORCE, b. Jamaica, W.I, Apr. 10, 33; m. 60; c. 2. CLINICAL PSYCHOLOGY. B.A., Mt. Allison, 58; M.A., Western Ontario, 63, Ment. Health bursary & Ont. fel, 64-66, Ph.D.(psychol), 67. Child care worker, Thistletown Hosp, 58-60; psychologist, Ont. Hosp, St. Thomas, 63-64; psychometrist, ONT. HOSP, LONDON, Can, 66-67, PSY-CHOLOGIST & HEAD CLIN. SERV, 67- Lectr, Western Ontario, 67- Assoc. mem, Can. Psychol. Asn. Motivation and its possible application to abnormal behavior; applied research. Publ: Preference for immediate versus delayed punishment, 5/63 & Response speed: a function of motives and expectancies, 10/67, Univ. Western Ontario Library. Address: Dept. of Psychology, Ontario Hospital, London, Ont, Can.

THOMAS, PROF. PAUL A, b. Hamilton, Ohio, May 1, 10. SOCIOLOGY. A.B., Oberlin Col, 32, A.M., 38; Ohio State, 40; Ph.D.(sociol), Indiana, 54. From asst. prof. to PROF. SOCIOL, DePAUW, 45-, HEAD DEPT, 67- Criminology; minorities; social work. Address: Dept. of Sociology, DePauw University, Greencastle, Ind. 46135.

THOMAS, DR. PAUL LESLIE, b. Phoenix, Ariz, Oct. 4, 28; m. 58. PSY-CHOLOGY. B.S., Wayland Baptist Col, 50; M.A., West Texas State, 58; Ph.D. (psychol), Tex. Tech. Col, 63. Training instr. aircraft mech, Amarillo AFB, Tex. Air Training Command, U.S. Air Force, 52-54, anal. statistician, 54-57, superv. mgt. analyst, 57-59; instr. & res. assoc. PSYCHOL, Tex. Tech. Col, 61-62; asst. prof, AUSTIN COL, 63-66, ASSOC. PROF, 66-, CHMN. DEPT. PSYCHOL. & SOCIOL, 67- Res. asst, Found. Int. Res. & Develop, Tex, 61-62. AAAS; Psychol. Asn; Statist. Asn; Interam. Soc. Psychol. Experimental design and statistical analysis in psychological research; instrumental conditioning; perception; physiological processes. Publ: Co-auth, Effect of stimulus design, rotation speed, and exposure on the perception of the spiral after-effect, Nature, 10/66. Address: Dept. of Psychology & Sociology, Austin College, Sherman, Tex. 75090.

THOMAS, PROF. PHILIP STANLEY, b. Hinsdale, Ill, Oct. 23, 28; m. 50; c. 4. ECONOMICS. A.B., Oberlin Col, 50; M.A., Michigan, 51, Ph.D.(econ), 61; Ford Found. fel, Delhi Sch. Econ, 53-54. Instr. ECON, Michigan, 56-57; asst. prof, Grinnell Col, 57-63, assoc. prof, 63-65; assoc. prof. & chmn. dept, KALAMAZOO COL, 65-68, PROF, 68- Lectr, Michigan, summer, 61; res. adv. Pakistan Inst. Develop. Econ, 63-65. Econ. consult, U.S. Agency Int. Develop, 65, 66 & 67. U.S.A., 54-56. Econ. Asn. International economics of development; commercial policy in Pakistan and India. Publ: Co-auth, Some factors affecting tea production in Pakistan, fall 64 & auth, Import licensing and import liberalization in Pakistan, winter 66, Pakistan Develop. Rev; The case for liberalization of economic controls in Pakistan and India, Papers Mich. Acad, 68. Address: Dept. of Economics, Kalamazoo College, Kalamazoo, Mich. 49001.

THOMAS, PROF. RALPH L, b. Pittsburgh, Pa, Aug. 25, 05; m. 36. FI-NANCE, MARKETING. B.S., Lafayette Col, 26; cert, Rutgers, 37; cert, Army Finance Sch, 42; M.Litt, Pittsburgh, 55, Ph.D., 61; summer, Cambridge, 62. Mem. staff, First Nat. Bank Pittsburgh, 26-34, asst. cashier, 34-42; asst. v.pres, Peoples First Nat. Bank & Trust Co, 46-48, v.pres, 48-56; instr. ECON, Pittsburgh, 57-60; chmn. dept, Ohio Northern, 61-64; PROF, Edin-boro State Col, 64-66; CALIFORNIA STATE COL. (PA), 66- A.U.S., 42-45, Lt. Col. Money and banking; economic history of the United States. Publ: Policies underlying corporate giving, 66. Address: Park Mansions, Pitts-burgh, Pa. 15213.

THOMAS, PROF. RAYMOND D(OTY), b. Jenkins, Mo, Feb. 27, 92. ECO-NOMICS, PUBLIC FINANCE. B.S., Southwest Mo. State Col, 20; Ph.M., Wis-consin, 22, Ph.D., 26. Prof. econ, Southwest Mo. State Col, 26-29; prof. econ. & dean sch. bus, Okla. State, 29-59; PROF. ECON, DRURY COL, 59- Price officer, Off. Price Admin, Okla., 42; dir, Okla. Dept. Commerce & Indust, 59. Econ. Asn; Planning Asn. Regional economics; exemption of homesteads from taxation; Missouri politics, 1840-1870; economics and full employment. Address: Dept. of Economics & Business Administration, Drury College, Springfield, Mo. 65802.

THOMAS, DR. RICHARD W, b. Auburn, Ind, Aug. 8, 22; m. 44; c. 2. PSYCHOL-OGY. B.A., Indiana, 47; Ph.D.(psychol), Kentucky, 52. Supv. psychologist, Vet. Admin. Hosp, Marion, Ind, 53-56; div. training leader, Syst. Develop. Corp, Wis, 56-61, field ops. br, 61, asst. br. head, Calif, 61-62, br. head, field personnel planning br, 62; chief clin. psychologist, Vet. Admin. Hosp, Lexington, Ky, 62-64, CHIEF PSYCHOL. SERV, St. Cloud, Minn, 64-67, VET. ADMIN. HOSP, MIAMI, 67- Adj. assoc. prof, Minnesota, Minneapolis & assoc. prof, St. Johns (Minn), 66- Consult, North. Pines Ment. Health Center, Little Falls, Minn, 67- U.S.A., 43-45. Psychol. Asn. Psychoneurology; alcoholism. Publ: Study of validity of the TAT and a set of animal pictures. Address: 7790 S.W. 134th St, Miami, Fla. 33156.

THOMAS, PROF. ROLLIN G(EOURGE), b. Anamosa, Iowa, Dec. 17, 96; m. 25; c. 2. ECONOMICS. A.B., Cornell Col, 19; A.M., Chicago, 22, Ph.D., 30.

Prof. ECON, PURDUE, 25-65, EMER. PROF, 65- Vis. prof, Bowling Green State, 65-68. Econ. Asn. Money and banking. Publ: Modern banking; Our modern banking and monetary system; Causes of bank failures. Address: 636 Rose St, West Lafayette, Ind. 47906.

THOMAS, DR. ROSS R(EGINALD), b. Calgary, Alta, July 31, 26; nat; m. 49; c. 4. CLINICAL PSYCHOLOGY. B.A., Sir George Williams Col, 48; M.Sc., Iowa State Col, 50; U.S. Pub. Health Serv. fells, 51-53; Ph.D.(psychol), Northwestern, 54. Instr. psychol. & student counsr, Conn. Col, 53-56, res. assoc, off. naval res. contract, 54; staff psychologist, Children's Village, Hartford, 56-57; Newington Hosp. Crippled Children, 57-64; CONSULT. CLIN. PSYCHOLOGIST, 57- Lectr, Connecticut, 60-64; Trinity Col, 65; asst. prof, Hartford Col, 66-67. Consult, State Bd. Ed. & State Bd. Health, Conn, 53-; Bloomfield Pub. Schs. & Learning Center, Farmington, 67- Psy-chol. Asn. Psychological diagnosis; psychotherapy; personality theory. Ad-dress: 161 Brentwood Rd, Newington, Conn. 06111.

THOMAS, DR. SHAILER, b. Brooklyn, N.Y., June 29, 38; m. 58; c. 3. SOCIOL-OGY, SOCIAL PSYCHOLOGY. B.A., Oberlin Col, 58; M.A., Mich. State, 60, Ph.D.(soc. psychol), 64. Teaching asst. soc. psychol, Mich. State, 59-60, asst. instr. sociol, 61-62, res. asst, bur. ed. res, 60-62, asst. proj. dir, 63-64; ASST. PROF. SOCIOL, OHIO STATE, 64-, RES. ASSOC. SOC. PSY-CHOL, UNIV. HOSP, 66- Sociol. Asn. Sociology of education; self-concept and achievement; implications of low income. Publ: Co-auth, Self-concept of ability and school achievement: Improving academic achievement, Mich. State Univ, 65, Personality correlates of socioeconomic status of adoles-cent males, Sociometry, 62 & Self-concept and school achievement, Sociol. Ed, spring 64. Address: Dept. of Sociology, Ohio State University, 1775 S. College Rd, Columbus, Ohio 43210.

THOMAS, DR. WILLIAM E(LLSWORTH), b. Hartford, Mich, Dec. 28, 20; m. 51; c. 3. PSYCHOLOGY. B.S., Hillsdale Col, 57; M.A., Minnesota, 49; Ph.D.(psychol), Mich. State, 55. Intern. Vet. Admin, Minneapolis, Minn, 47-49; mem. res. staff, Saginaw Valley Children's Center, 50; asst. diag. test-ing & psychother, psychol. clin, Mich. State, 50-51, instr. sociol. & anthropol, 51-53; from clinical psychologist to sr. clin. psychologist, Buffalo State Hosp, N.Y., 55-56; coordinator clin. psychol. res, Columbus Psychiat. Inst. & Hosp, Ohio State Univ, 56-60; chief res. psychologist & dir. res. dept, Columbus Children's Psychiat. Hosp, 60-61; CHIEF PSYCHOLOGIST, N.C. State Bd. Health, 61-63, N.C. DEPT. MENT. HEALTH, 63- Instr. sch. med, Ohio State, 56-60. Psychol. Asn; Pub. Health Asn. Personality theory and dynamics; psychological evaluation. Publ: Co-auth, A controlled clinical study of the efficacy of iproniazid in the treatment of depression, J. Gen. Psychiat, 59. Address: Box 9494, Mental Health, Raleigh, N.C. 27603.

THOMAS, PROF. WILLIAM J, b. Mo, Oct. 23, 19; m. 46; c. 5. ECONOM-ICS, STATISTICS. B.S., Southwest Mo. State Col, 40; M.S., Okla. State, 49; fel, Mich. State, 50-51, Ph.D., 57. Statistician, bur. bus. & econ. res, Arkansas, 51-54; dir. res. & assoc. prof. econ. & statist, Baylor, 54-59; finance exam, State Cmn. Higher Ed, Tex, 59-61; sr. ops. analyst, Gen. Dynamics Corp, 61; PROF. ECON. & STATIST. & DIR. DIV. BUS. & ECON, MIDWESTERN, 61- U.S.N., 43-46. Statist. Asn; Soc. Qual. Control. Public finance; econometrics; economic theory. Publ: Co-auth, Economy of Arkan-sas; auth, County income estimates. Address: Division of Business & Economics, Midwestern University, Wichita Falls, Tex. 76308.

THOMAS, PROF. WILLIAM L(EROY), JR, b. Long Beach, Calif, Mar. 18, 20; m. 42; c. 5; div; m. 63; c. 1. ANTHROPOLOGY, GEOGRAPHY. A.B., Cali-fornia, Los Angeles, 41, M.A., 48; Ph.D., Yale, 55. Instr. geog, Rutgers, 47-50; res. asst. Southeast Asia studies, Yale, 49-50; asst. dir. res, Wenner-Gren Found. Anthropol. Res, 50-57; from asst. prof. to assoc. prof. geog, California, Riverside, 57-63; PROF. ANTHROP. & GEOG, CALIF. STATE COL. HAYWARD, 63- Vis. prof, La. State, 66; Wisconsin, 66; Toronto, 68; sum-mer vis. prof, Hawaii, 66. Foreign field res, Philippines, 61-62. Consult, Far East Prog. Div, Econ. Coop. Admin, Wash, D.C., 50. Organizer, sect. geog, Tenth Pac. Sci. Cong, Honolulu, 61. U.S.A., 42-43; C. Eng, 43-45, 1st Lt. AAAS; fel. Anthropol. Asn; Asn. Am. Geog.(meritorious contrib. award, 61); Geog. Soc. Asn. Asian Studies. Human geography and cultural anthropology and their fields of mutual interest, especially in Southeast Asia; interdis-ciplinary communication and synthesis. Publ: Ed, Yearbook of anthropology, 1955; Man, time and space in southern California; Man's role in changing the face of the earth. Address: Dept. of Anthropology & Geography, California State College at Hayward, Hayward, Calif. 94542.

THOMAS, DR. WOODLIEF, Econ, see 10th ed, Soc. & Behav. Vols.

THOMASON, DR. BRUCE, b. Cooleemee, N.C., Jan. 10, 14; m. 35; c. 2. COUNSELING, CLINICAL PSYCHOLOGY. A.B., Catawba Col, 34; M.A., North Carolina, 36; Ph.D.(psychol), Pa. State, 51. Instr. sociol. & econ, Shorter Col, 38-39, asst. prof, 39-42; sociol, Florida, 42-45; sr. counsr. voc. rehab, State Dept. Ed, Fla, 45-48; instr, Pa. State, 49-51; assoc. prof. sociol, FLORIDA, 51-56, assoc. marriage & family clin, 52-55, prof. ed, 56-59, CHMN. REHAB. COUNSR. TRAINING PROG, 56-, CHMN. DEPT, RE-HAB. COUNSELING, COL. HEALTH RELATED PROFESSIONS, 59-, ASST. DEAN, 65- Consult, prfnl. exam. serv, Am. Pub. Health Asn, 65- Psychol. Asn; Personnel & Guid. Asn; Nat. Rehab. Counseling Asn. Personality and personality adjustment; rehabilitation of the disabled; psychological and so-ciological components of disability; manpower utilization in health related professions. Publ: Co-auth, Casework performance in vocational rehabili-tation, 59, The placement process in vocational rehabilitation counseling, 60 & Medical consultation in vocational rehabilitation, 64, Dept. Health, Ed. & Welfare. Address: Route 4, Box 357-A, Gainesville, Fla. 32601.

THOMASON, PROF. HUGH M, b. Hopkinton, R.I., Aug. 9, 21; m. 47; c. 4. PO-LITICAL SCIENCE. A.B., N.Ga. Col, 47; M.A., Emory, 48, Ph.D.(polit. sci), 61. Probn. officer, U.S. Dist. Court, North. Dist. Ga, 49-50, 55-59; assoc. prof. POLIT. SCI, WESTERN KENTUCKY, 61-66, PROF, 66-, head dept. govt, 63-67. U.S.M.C.R., 40-, Col. State legislative behavior; judicial be-havior; political party worker behavior; lobbyists and lobbying; political thought in the United States. Publ: Governor Peter Early and the Creek Indian frontier, 1813-15, Ga. Hist. Quart, 9/61. Address: Dept. of Govern-ment, Western Kentucky University, Bowling Green, Ky. 42101.

- THOMASSEN, DR. HENRY, b. Calgary, Alta, May 6, 29; m. 60; c. 4. ECO-NOMICS. B.Ed. Alberta, 51, B.Sc. 53; M.A. Stetson, 54; scholar, Nebraska, 55, Ph.D.(econ), 56. Asst. econ. Nebraska, 54-56; asst. prof. Ga. State Col. 56-57; asst. economist, Prudential Ins. Co. Am. Newark, N.J., 57-58; assoc. prof. econ. Ga. State Col. 58-60, prof. econ. & statist. 60-64; asst. prof. ECON, British Columbia, 64-66; ASSOC. PROF. Emory, 66-68; NEBRASKA, 68- Consult, S.E. River Basin, U.S. Study Cmn, Ga. 60-61; econ. consult, Budget Bur, State of Ga. 64-68. Can. Army, 49-52, Lt. Econ. Asn; Economet. Soc; Statist. Asn. Economic theory; cycles and forecasting; econometrics; mathematical economics; statistics. Publ: An exploitation model of revenue generation, 65 & Factor guides to revenue estimation, 68, South. Econ. J; Towards a theory of revenue generation, Pub. Finance, 68. Address: Dept. of Economics, University of Nebraska, Lincoln, Nebr. 68508.
- THOMLINSON, PROF. RALPH, b. St. Louis, Mo, Feb. 12, 25; m. 46; c. 2. DEMOGRAPHY. B.A. Oberlin Col. 48; M.A. Yale, 49; Ph.D.(sociol), Columbia, 60. Asst. city planner, Montclair, N.J., 49-50; Paterson, 50; asst. bur. appl. soc. res. Columbia, 52; med. actuarial statist. asst. Metrop. Life Ins. Co. 52-53; instr. pop. & statist. Wisconsin, 53-56; sociol. & anthrop. Denison, 56-59; from asst. prof. to assoc. prof. sociol. CALIF. STATE COL. LOS ANGELES, 59-65, PROF. SOCIOL. & ANTHROP. 65-, CHMN. DEPT. 67- Vis. prof. Alberta, summer 66. U.S.A. 43-45. Fel. Sociol. Asn; Statist. Asn; Pop. Asn; Int. Union Sci. Study Pop. Statistics and research methods; urban ecology; mathematical models. Publ: Population dynamics, 65 & Sociological concepts and research, 65, Random; Demographic problems, Dickenson, 67. Address: Dept. of Sociology & Anthropology, California State College at Los Angeles, Los Angeles, Calif. 90032.
- THOMPSON, DR. ALBERT GRAY, b. San Francisco, Calif, Dec. 5, 28; m. 57; c. 5. EDUCATION. A.B. Santa Clara, 51; M.A. San Francisco, 53; Ed.D. (curriculum), California, Berkeley, 65. Teacher, jr. high sch, Calif. 53-59; prin. Lincoln Sch, 59-63; Henry Ford Sch, 63-66; ASST. PROF. ED. MARQUETTE, 67- Sex education and useful memory training in the elementary school. Publ: Sex education and the Catholic Encyclopedia: 1914 vs. 1967, Cath. Ed. Rev. 12/67 & Map skills development, Cath. Sch. J. 1/68; co-auth. Sex education: parent involvement in decision making, Phi Delta Kappan, 5/68. Address: Dept. of Education, Marquette University, Milwaukee, Wis. 53233.
- THOMPSON, PROF. ALBERT S(TOLER), b. Shippensburg, Pa, Aug. 7, 09; m. 35; c. 2. PSYCHOLOGY. A.B. Ursinus Col. 31; A.M. Pennsylvania, 34, Ph.D.(psychol), 43. Instr. psychol. Pennsylvania, 37-45, res. asst. cmt. aviation psychol. Nat. Res. Coun. 40-45; assoc. prof. psychol. & dir. univ. counseling & placement serv. Vanderbilt, 45-49; assoc. prof. guid. TEACHERS COL. COLUMBIA, 49-54, prof. 54-64, PROF. PSYCHOL. & CHMN. DEPT. 64- Training consult, Vet. Admin. 53- Assoc. Edward Glaser & Assocs, 61- Mem. adv. coun. N.Y. State Dept. Ed. 56-65; Am. Bd. Exam. Prfnl. Psychol. 58-62; panel counseling & selection, nat. manpower adv. cmt. U.S. Dept. Labor, 63- Dipl. Am. Bd. Exam. Prfnl. Psychol. 53. Fel. Psychol. Asn; Personnel & Guid. Asn. Vocational counseling; personnel and industrial psychology. Publ: A rationale for vocational guidance, 32: 533-535 & Personality dynamics and vocational counseling, 38: 350-357, Personnel & Guid. J; School settings for vocational guidance, In: Man in a world of work, Houghton, 64. Address: Dept. of Psychology, Teachers College, Columbia University, New York, N.Y. 10027.
- THOMPSON, PROF. ALICE C(ARY), b. Miltonvale, Kans, Sept. 21, 10; m. 42; c. 2. CHILD PSYCHOLOGY. A.B. Northwest Nazarene Col. 32; M.A. California, Los Angeles, 39; D.Univ. Paris, 59. Teacher, Mark Keppel High Sch, Alhambra, Calif. 40-48; asst. prof. PSYCHOL. CALIF. STATE COL. LOS ANGELES, 50-60, ASSOC. PROF. 60- U.S. Off. Ed. res. grants, 64- Exec. dir. ESCALON, Inc. 59- Mem. Coun. Except. Children, 61- W.A.C., U.S.A. 43-45, 1st Lt. Psychol. Asn. Psychological testing, evaluation and training of atypical individuals, particularly children with learning and/or behavior problems. Publ: Educational handicap, 64, 66. Address: Dept. of Psychology, California State College at Los Angeles, Los Angeles, Calif. 90032.
- THOMPSON, ALLEN B(RADFORD), b. Haverhill, Mass, Feb. 11, 04; m. 27; c. 2. STATISTICS. A.B. Harvard, 25. Asst. actuary, Protective Life Ins. Co. 31-37; actuary, Southeast. Life Ins. Co. 37-39; V.PRES. & ACTUARY, ASSOC. HOSP. SERV. N.Y. 39- Consult, Blue Cross & Blue Shield Plans. Acad. Actuaries; Statist. Asn; Pub. Health Asn; Royal Soc. Health. Hospital and medical insurance. Address: 80 Lexington Ave, New York, N.Y. 10016.
- THOMPSON, DR. BERTHA BOYA, b. New Castle, Pa, Jan. 31, 17; m. 42; c. 2. GEOGRAPHY, EDUCATION. B.S. Slippery Rock State Col. 40; M.A. Miami (Ohio), 54; Ed.D. Indiana, 61. Teacher, pub. schs, Pa. 40-43 & 45-46; Ohio, 54-63; ASSOC. PROF. ED. & GEOG. & CHMN. DEPT. ED. WEST. COL. 63- Consult, bylines for Nat. Defense Ed. Act insts. geog. 65. Mem. exec. bd. Nat. Coun. Geog. Ed. 67-70. Asn. Am. Geog. Nat. Soc. Study Ed; Soc. Woman Geog. Auditory discrimination and intelligence as related to reading; geographic education. Publ: Co-auth. Test item files to accompany Introduction to geography, Harcourt, 67; Auth. A longitudinal study of auditory discrimination, J. Ed. Res. 3/63; Teaching a landforms and drainage unit, J. Geog. 9/67. Address: 6073 Contreras Rd, Oxford, Ohio 45056.
- THOMPSON, PROF. BROOKS, Hist. Sociol. see 5th ed. Dir. Am. Scholars, Vol. I, Hist.
- THOMPSON, PROF. CAREY C(ARTER), b. Malakoff, Tex, Mar. 12, 08; m. 43; c. 1. ECONOMICS. A.B. Texas, 28, A.M. 31; North Carolina, 38-39, Ph.D. (econ), 51. Dean, Amarillo Col. 40-46; res. consult, State Employ. Cmn, Tex. 46-47; asst. prof. ECON, TEXAS, AUSTIN, 47-56, assoc. prof. 56-61, PROF. 61-, CHMN. DEPT. 62- Ford faculty fel. 53-54. U.S.N. 42-46. Comdr. Econ. Asn; Finance Asn. Public finance; fiscal policy; social security. Publ: Ed. Institutional adjustment: a challenge to a changing economy, Univ. Texas, 67; Auth. New sources of tax revenue for Texas, Tex. Law Rev; Some recent developments in unemployment insurance, South. Econ. J. 58. Address: Dept. of Economics, University of Texas, Austin, Tex. 78712.
- THOMPSON, DR. CARL IVAN, b. Saratoga Springs, N.Y., July 25, 39; m. 62. PSYCHOLOGICAL PSYCHOLOGY. B.A. Taylor, 61; M.A. Ohio, 63; Ph.D.(psychol), Wisconsin, 67. ASST. PROF. BEHAV. SCI, COL. MED. PA. STATE, 67- Consult, Vet. Admin. Hosp. Lebanon, 68- Psychol. Asn. Age effects of brain lesions; effects of early experience upon later behavior; primate social behavior. Address: Dept. of Behavioral Science, Pennsylvania State University College of Medicine, Hershey, Pa. 17033.
- THOMPSON, DR. CHARLES EUGENE, b. Washington, D.C., Dec. 12, 13; m. 42; c. 2; div; m. 60. CLINICAL PSYCHOLOGY. A.B. Southwest Mo. State Col. 38; M.S. Oklahoma, 39; Ph.D.(psychol), Tulane, 49. Intern. clin. psychol. hosp. VET. ADMIN, New Orleans, La. 47-49, clin. psychologist, Waco, Tex. 49; North Little Rock, Ark. 49-60, chief clin. psychol. serv. & acting chief, Ment. Hyg. Clin. Regional Off. Louisville, Ky. 61-64, chief psychol. serv. Center, Hot Springs, S.Dak. 65-66; CLIN. PSYCHOLOGIST, HOSP. Ft. Lyon, Colo. 66-67, KNOXVILLE, IOWA, 68- Vis. lectr. Baylor, 49. Chmn. Gov. Cmt. Employ. Handicapped, Ark. 56-59; mem. President's Cmt. Employ. Physically Handicapped, 57-59. U.S.A.A.F. 42-46, Maj. AAAS; Psychol. Asn. Projective techniques; psychosomatic dentistry; alcoholism. Publ: Thompson modifications of the thematic apperception test chromatic TAT & T-TAT; A suggested approach to the treatment of the alcoholic patient, Am. J. Psychiat. Address: Veterans Administration Hospital, Knoxville, Iowa 50138.
- THOMPSON, DR. CHARLES P(ETER), Psychol. see 11th ed. Phys. & Biol. Vols.
- THOMPSON, DR. C(HARLES) WOODY, Econ. see 10th ed. Soc. & Behav. Vols. deceased 62.
- THOMPSON, PROF. CLARE WRIGHT, b. Los Angeles, Calif, May 1, 12; m. 45. PSYCHOLOGY. B.A. Southern California, 33, M.A. 34; Ph.D.(psychol), Stanford, 43. Sr. clin. psychologist, Sonoma State Home, 40-45; acting asst. prof. psychol. Stanford, 45; asst. clin. prof. med. psychol. med. sch. California, 47-58, lectr. PSYCHOL. 56-58; PROF. WASHINGTON STATE, 58- Sr. clin. psychologist, Langley Porter Clin. 45-51; clin. psychologist, 51-58. Br. med. consult. Vet. Admin. 47-51. Fel. Psychol. Asn. Characteristics of intelligence; non-verbal therapy; analytical psychology. Publ: Teaching of psychology through content-free interviews; Parent-child interaction in juvenile diabetes; Intelligence at adulthood: a twenty-five year follow-up. Address: Dept. of Psychology, Washington State University, Pullman, Wash. 99163.
- THOMPSON, PROF. CLAUDE E(DWARD), Psychol. Sociol. see 10th ed. Soc. & Behav. Vols. deceased 65.
- THOMPSON, DR. DAVID A(LFRED), Biotech. see 11th ed. Phys. & Biol. Vols.
- THOMPSON, DR. DENNIS F(RANK), b. Hamilton, Ohio, May 12, 40; m. 63; c. 2. POLITICAL SCIENCE. B.A. Col. William & Mary, 62; B.A. Oxford, 64, M.A. 68; Ph.D.(polit. sci), Harvard, 68. Instr. govt. Harvard, 67-68; ASST. PROF. POLIT. PRINCETON, 68- Contemporary normative and empirical political theory; history of modern political philosophy. Publ: Redistribution and the distribution of punishment, Philos. Quart. 1/66; Rational propaganda, XV, 66 & Reasoning, religion and the court, XVI, 67, Pub. Policy. Address: Dept. of Politics, Princeton University, Princeton, N.J. 08540.
- THOMPSON, DR. DENNIS L, b. Preston, Idaho, Feb. 20, 35; m. 58; c. 4. POLITICAL SCIENCE. B.A. Idaho, 60; M.A. Arizona State, 61; Nat. Defense Ed. Act & Nat. Sci. Found. fcls. California, Santa Barbara, Ph.D.(polit. sci), 68. Missionary, French mission, Church of Jesus Christ of the Latter-day Saints, 55-58; farmer, Idaho, 58-59; for. serv. officer, U.S. Dept. State, 62-65; lectr. polit. sci. California, Santa Barbara, 66-67; ASST. PROF. GOVT. ARIZONA, 67- Mil. Intel. U.S.A. 60-62, 1st Lt. Polit. Sci. Asn. Political culture and leadership; religion and politics; interstate relations. Publ: Religion and the Idaho constitution, Pac. Northwest Quart. 10/67. Address: Dept. of Government, University of Arizona, Tucson, Ariz. 85721.
- THOMPSON, DR. DONALD ENRIQUE, b. Chicago, Ill, Jan. 2, 31; m. 61; c. 1. ANTHROPOLOGY, ARCHAEOLOGY. A.B. Harvard, 53, univ. fel. 57-59, M.A. 61, Ph.D.(anthrop), 62; Fulbright fel. Lima, 59-60. Instr. ANTHROP, WISCONSIN, 61-62, asst. prof. 62-66, ASSOC. PROF. 66- Nat. Sci. Found. res. grant Inca archaeol. & ethnol. Huánuco, Peru, 64-67. Anthrop. Asn; Soc. Am. Archaeol; Archaeol. Inst. Am; Ethnol. Soc. Archaeology of the north coast of Peru; Inca archaeology and ethnohistory in the central highlands of Peru; Maya archaeology and ethnohistory. Publ: Maya paganism and christianity, Mid. Am. Res. Inst. 54; Postclassic innovations in settlement patterns in the Casma Valley, Peru, Southwest. J. Anthropol. 64; co-auth. The Inca bridges in the Huánuco region, Am. Antiquity, 66. Address: Dept. of Anthropology, University of Wisconsin, Madison, Wis. 53706.
- THOMPSON, DR. DONALD L, b. New York, N.Y., Mar. 31, 30; m. 56; c. 4. MARKETING, ECONOMICS. B.S. Pennsylvania, 51; M.S. San Francisco State Col. 58; Ford Found-China Studies Center grant, California, Berkeley, 58, Small Bus. Admin. grant, 61-63, Ph.D.(bus. admin), 63. Assoc. bus. admin. California, Berkeley, 60-63; asst. prof. MKT. COL. BUS. ADMIN, OREGON, 63-65, ASSOC. PROF. 65-, ASST. DEAN GRAD. STUDIES, 65- Instr. St. Mary's Col.(Calif), 61-62; Am. Coun. Ed. fel. acad. admin, Pres. John Lederle, Massachusetts, Amherst, 67-68. U.S.A. 51-56, 1st Lt. Mkt. Asn. Economic theory and social science research as applied to retailing and sales management; retail area structure and urban planning and analysis. Publ: Co-auth. Retailing: an economic view, 69 & Managerial cases in retailing, 69, Macmillan; The finance function, Int. Textbook, 69. Address: School of Business Administration, University of Oregon, Eugene, Ore. 97403.
- THOMPSON, DONALD S(COUGALL), b. Kansas City, Mo, Mar. 27, 99. ECONOMICS, STATISTICS. B.S. California, 23, M.A. 28. Statistician & asst. mgr. div. anal. & res. Fed. Reserve Bank, San Francisco, 23-29; assoc. ed. & statistician, Silberling Res. Corp. 29-30; economist div. res. & statist. bd. governors, Fed. Reserve Syst. 30-34; prin. economist div. res. &

statist, Fed. Deposit Ins. Corp, D.C., 34-36, chief, 36-44; dir. urban real estate finance proj, Nat. Bur. Econ. Res, New York, 44-46; v. pres, Fed. Reserve Bank, 46-53, 1st v. pres, 53-64; CONSULT. ECONOMIST, 64- Adv, U.S. Econ. Surv. Mission, Philippines, 50; dir. res, Small Bus. & Venture Capital Assocs, 64-67. Past pres. & trustee, Real Property Inventory, Metrop. Cleveland. Mem, Coun. World Affairs. U.S.N., 18-19. Econ. Asn; fel. Statist. Asn. (v. pres, 40); Finance Asn. Money and banking; deposit insurance; investment markets. Address: 3352 Norwood Rd, Shaker Heights, Ohio 44122.

THOMPSON, DR. DUANE G(LEN), b. Washington, Iowa, Mar. 10, 33; m. 58; c. 4. EDUCATIONAL PSYCHOLOGY. B.S., Oregon, 60, M.S., 64, U.S. Of. Ed. fel. & Ph.D. (ed. psychol), 66. Spec. therapist, childrens div, Ment. Health Inst, 56-58; dir. guid. & counseling serv, Pleasant Hill Sch. Dist. 1, Ore, 59-63; ASST. PROF. PSYCHOL, EAST. WASH. STATE COL, 66- U.S.N., 51-55. Psychol. Asn; Coun. Except. Children. Child development; verbal reinforcement in group counseling; culturally deprived children; education of emotionally disturbed children. Address: Dept. of Psychology, Eastern Washington State College, Cheney, Wash. 99004.

THOMPSON, PROF. EDGAR T(RISTRAM), b. Little Rock, S.C., Sept. 13, 00; m. 29; c. 1. SOCIOLOGY. A.B., South Carolina, 22; A.M., Missouri, 24; Ph.D., Chicago, 32. Mens. faculty, North Carolina, 24-26; Texas, 27-28; Earlham Col, 28-29; Washington (Seattle), 30-31; Hawaii, 32-34; Skidmore Col, 34-35; asst. prof. SOCIOL, DUKE, 35-41, assoc. prof, 41-46, PROF, 46-, CHMN. CENTER SOUTH. STUDIES SOC. SCI. & HUMANITIES, 65- Hugh le May fel, Rhodes Univ, South Africa, 56. Sociol. Asn. Plantation society; natural history of agricultural labor in the South. Publ: Co-ed, Race: individual and collective behavior; co-auth, The South in continuity and change, 65 & auth, Perspectives on the South, 67, Duke. Address: Dept. of Sociology, Duke University, Durham, N.C. 27706.

THOMPSON, DR. EMMETT FRANK, b. El Reno, Okla., Nov. 6, 36; m. 61; c. 1. FOREST MANAGEMENT, ECONOMICS. B.S., Okla. State, 58; M.S., N.C. State, 60; Ph.D. (forest econ), Oregon State, 66. ASST. PROF. FOREST MGT, VA. POLYTECH, 62- U.S.N.R., 54-62. Soc. Am. Foresters; Inst. Mgt. Sci. Increasing efficiency in forest management decision making, primarily through applications of quantitative methods. Publ: Co-auth, Forest regulation by linear programming: a case study, 9/66 & auth, Traditional forest regulation model: an economic critique, 11/66, J. Forestry; The theory of decision under uncertainty and possible applications in forest management, Forest Sci, 6/68. Address: 205 Cork Dr, Blacksburg, Va. 24060.

THOMPSON, DR. ERNEST CLIFFORD, JR, Speech, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

THOMPSON, DR. E(VERETT) FREDERICK, b. Farmington, N.Mex, Dec. 1, 24; m. 48; c. 4. CLINICAL PSYCHOLOGY. A.B., Lewis & Clark Col, 50; M.A., Denver, 53, fel, 59-60, Ph.D., 61. Psychologist, Colo. State Hosp, 52-53; clin. psychologist, NORTH. STATE HOSP, 53-62, UNIT CHIEF INTERMEDIATE QUARTERS, 62-, CHIEF PSYCHOLOGIST, 64- Consult. State Div. Child Welfare, Colo, 59-60; pub. schs, Sedro Woolley, 60-63; Juvenile Courts, Skagit & Island Counties, 61-; Mt. Vernon Off, State Dept. Pub. Assistance, Wash, 61-; Community Oriented Voc. Ed. Prog, 63- U.S.N.R., 43-46. Psychol. Asn; Nat. Rehab. Asn. Rehabilitation of the chronically dependent; family group therapy as a treatment method with adolescents and their families; milieu therapy programs for the rehabilitation of chronically ill, hospitalized mental patients. Address: 413 Talcott St, Sedro Woolley, Wash. 98284.

THOMPSON, DR. FREDERICK B(URTIS), Info. Sci, see 11th ed, Phys. & Biol. Vols.

THOMPSON, PROF. GEORGE G(REENE), b. Bucklin, Kans, Mar. 17, 14; m. 40; c. 1. PSYCHOLOGY. B.A., Ft. Hays Kans. State Col, 37, M.S., 38; Ph.D. (psychol), Iowa, 41. Asst. prof. PSYCHOL, South. Ill. State Teachers Col, 41-42; asst. prof, Syracuse, 42-46, assoc. prof, 46-49, PROF, 49-59; OHIO STATE, 59- Spec. res. assoc, Harvard, 43-44. AAAS; fel. Psychol. Asn; Soc. Res. Child Develop. Social development of young children; developmental trends in social acceptability; effects of social incentives on children's behavior. Publ: Educational psychology; Social relations and morale in small groups; Child psychology; Houghton, 62. Address: Dept. of Psychology, Ohio State University, Columbus, Ohio 43210.

THOMPSON, DR. GEORGE N(EWTON), Psychiat, Neurol, see 11th ed, Phys. & Biol. Vols.

THOMPSON, DR. GERALD E(VERETT), b. Iowa, Feb. 22, 24; m. 50; c. 1. ECONOMICS. B.A., Iowa, 47, M.A., 48, Ph.D. (labor econ), 53. Instr. ECON, Toledo, 50-51, asst. prof, 51-54, acting chmn. dept, 53-54; asst. prof, NEBRASKA, 54-62, ASSOC. PROF, 62- Ford Found. fel, inst. basic math, Harvard & Mass. Inst. Tech, 59-60; vis. assoc. prof, Michigan, 65-66. U.S.A.A.F., 42-45, 1st Lt; Air Medal & 3 Oak Leaf Clusters. Theory of the firm. Publ: Multiplier theory and its evolution, Univ. Nebr. Bus. Res. Bull; Investigation of the local employment multiplier, In: Review of economics and statistics; On varying the constants in a linear programming model of the firm, Am. Econ. Rev, 68. Address: Dept. of Economics, University of Nebraska, Lincoln, Nebr. 68508.

THOMPSON, PROF. G(ERALD) L(UTHER), Math, see 11th ed, Phys. & Biol. Vols.

THOMPSON, DR. GLENN W(ILLARD), b. Harrisville, Pa, Sept. 8, 30; m. 51; c. 4. DEVELOPMENTAL & CHILD PSYCHOLOGY. B.S., Clarion State Col, 52, M.S., Pa. State, 58, Ph.D. (child psychol), 62. School psychologist, Orleans-Niagara Bd. Coop. Ed, 58-59; asst. prof. DEVELOP. PSYCHOL, ALLEGHENY COL, 61-65, ASSOC. PROF, 65- Mem, Yugoslav-Am. Faculty Seminar Higher Ed, 66. U.S.A.F., 52-56, S/Sgt. AAAS; Psychol. Asn; Soc. Res. Child Develop. Research on television's effects on children; perceptual learning; cross-cultural aspects of child-rearing practices; creativity; psychological measurement; personality theory. Publ: An application of

Skinnerian learning concepts to reading improvement as a derivative of perceptual learning, Am. Psychologist, 17: 323-324; Children's acceptance of T.V. advertising, J. Ed. Res, 58: 171-174; An empirical evaluation of the watchers of the brainwatchers, J. Sch. Psychol, 4: 49-57. Address: Dept. of Psychology, Allegheny College, Meadville, Pa. 16335.

THOMPSON, DR. HELEN, b. Huntington, N.Y., Mar. 14, 97. PSYCHOLOGY. A.B., Vassar Col, 19; M.A., Columbia, 23; Ph.D. (psychol), 27. Res. assoc. anthropom. & statist, psychoclin, Yale, 26-31, biomet. clin. child develop, 31-41; psychologist, Spence-Chapin Adoption Serv, N.Y., 41-45; asst. attend. psychologist, N.Y. Post-Grad. Med. Sch. & Hosp, Columbia, 43-46, assoc. attend. psychologist, 46-49; asst. prof. psychol, N.Y. Univ-Bellevue Med. Center, 46-49, asst. clin. prof, 49-62; chief clin. psychologist, Roosevelt Hosp, 50-63; RETIRED. Lectr, Columbia, 47-49. Private practice, 38-; attend. psychologist, Cannon St. Health Center, New York, 39-47; consult. psychologist, Roosevelt Hosp, 63- Fel. AAAS; fel. Psychol. Asn; fel. Soc. Res. Child Develop. Infant behavior; reading of deaf children; twins; psychological tests; brain conditions. Publ: Co-auth, The first five years of life, Harper, 40; auth, Physical growth, In: Manual of child psychology, Wiley, 46 & 2nd ed, 54; An early attempt in profusely illustrated language instruction, Except. Children, 4/64. Address: Quaker Hill, Pawling, N.Y. 12564.

THOMPSON, PROF. HELEN M(AE), b. Rock Rapids, Iowa, Mar. 2, 04; m. 30. EDUCATIONAL PSYCHOLOGY. A.B., Drake, 26; M.A., Claremont Colls, 50. Teacher, pub. schs, Iowa, 21-23; instr, State Norm. Col, Dillon, Mont, 28-28; teacher-couns, pub. schs, Calif, 28-59; asst. prof. PSYCHOL. & ED, CHAPMAN COL, 59-64, ASSOC. PROF, 64-, DIR. READING CLIN, 59- Summers, owner & dir, Thompson Reading Clin, 51-59, instr, Southern California, 52-59. Consult, Westminster Schs, 58-; Anaheim Union High Sch. Dist. Surv, 59. Psychol. Asn. Specific intellectual capacities and learning theories related to corrective methods in teaching reading. Publ: Swierl, a plan for better reading; But it takes time; The art of becoming a successful student. Address: Dept. of Psychology & Education, Chapman College, 190 N. Center, Orange, Calif. 92666.

THOMPSON, DR. HELEN REED, Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

THOMPSON, PROF. J(ACK) C(ONRAD), b. Bartow, Fla, Sept. 10, 15; m. 45; c. 3. AGRICULTURAL ECONOMICS. B.S.A., Florida, 48, M.S.A., 49; Ph.D., Cornell, 52. Proprietor, Retail Grocery Store, 38-40; dir. res. lab, Cornell, 52-54; assoc. prof. AGR. ECON, Stephen F. Austin State Col, 54-56; GEORGIA, 56-66, PROF, 66- U.S.A., 40-45, 1st Lt. Agr. Econ. Asn. Application of industrial engineering techniques to agricultural marketing; agricultural marketing cooperatives. Address: Dept. of Agricultural Economics, University of Georgia, Athens, Ga. 30601.

THOMPSON, DR. JACK M(AYNARD), b. San Francisco, Calif, May 3, 24; m. 51; c. 3. EDUCATIONAL PSYCHOLOGY. A.B., San Jose State Col, 49, M.A., 50; Ed.D. (counseling psychol), California, 67. Teacher & psychologist, Alum Rock Sch. Dist, 50-51; psychologist & superv. spec. ed, Nevada County Sch, 53-56; psychologist, SONOMA COUNTY SCHS, 56-59, dir. guid, 59-66, DIR. INSTR. & GUID, 66- Psychologist, Sonoma County Juvenile Court, 59- U.S.N., 42-46, 51-53, Res, 53-, Lt. Psychol. Asn. Psychological assessment; projective techniques; group processes. Publ: Co-auth, California abbreviated WISC, West. Psychol. Servs, 66; auth, Preventing educational change: games educators play, Calif. Teachers Asn, J, 67; Who is the effective school psychologist, Psychol. in Schs, 68. Address: Office of the Superintendent, Sonoma County Schools, 2555 Mendocino Ave, Santa Rosa, Calif. 95401.

THOMPSON, PROF. JAMES D(AVID), b. Indianapolis, Ind, Jan. 11, 20; m. 46; c. 2. SOCIOLOGY. B.S., Indiana, 41, M.A., 46; fel, North Carolina, 51-52, Ph.D. (sociol), 53. Asst. prof. journalism, Wisconsin, 47-49; res. assoc. behav. sci, North Carolina, 52-54; asst. prof. admin, Cornell, 54-56, assoc. prof, 56-57, ed. Admin. Sci. Quart, 56-57; assoc. prof. sociol, Pittsburgh, 57-60, prof, 60-62, dir. admin. sci. center, 57-62, acting chmn. dept. sociol, 61-62; PROF. sociol. & bus. admin, Indiana, 62-68; SOCIOL, VANDERBILT, 68- U.S.A., 41-46, 1st Lt. AAAS; fel. Sociol. Asn. Processes in complex human organizations; organizational ecology. Publ: Ed, Comparative studies in administration; auth, Organizations in action, McGraw, 67; Organizational goals and environment, Am. Soc. Rev. Address: Dept. of Sociology & Anthropology, Vanderbilt University, Nashville, Tenn. 37203.

THOMPSON, PROF. JAMES H(OWARD), b. Aspinwall, Pa, Apr. 26, 19; m. 46; c. 2. ECONOMICS. A.B., Maryville Col, 40; A.M., Tennessee, 46; Ph.D., Pittsburgh, 49. Instr, Pittsburgh, 46-48; asst. prof. ECON, WEST VIRGINIA, 48-52, assoc. prof, 52-58, PROF, 58-, DIR. BUR. BUS. RES, 57- Econ. Asn. Business research; regional economics; industrial location; public finance. Publ: Methods of plant site selection available to small manufacturing firms, West Virginia Univ, 61; Operation of the tax limitation amendment in West Virginia; Markets and marketing methods of the West Virginia coal industry. Address: Dept. of Economics, West Virginia University, Morgantown, W.Va. 26505.

THOMPSON, DR. JESSE JACKSON, Speech Path, Psycholing, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

THOMPSON, DR. JOHN, b. Talara, Peru, Apr. 21, 24; m. 50. GEOGRAPHY. B.A., Stanford, 47, Ph.D., 58; M.A., California, 51. Instr. geog, Stanford, 51-59, asst. ed, Hispanic Am. Rep, 51-57, asst. prof, GEOG, 59-64; assoc. prof, ILLINOIS, URBANA, 64-67, PROF, 67-, HEAD DEPT, 66-, dir, Center Latin Am. Studies, 64-66. Fulbright scholar, Chile, 57, Brazil, 60. U.S.A., 43-46. Asn. Am. Geog; Nat. Coun. Geog. Ed. Latin America; historical geography; plant and animal geography. Address: Dept. of Geography, University of Illinois, Urbana, Ill. 61801.

THOMPSON, PROF. JOHN CLAIR, b. Decatur, Ill, Feb. 27, 33; m. 56; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. A.B., Illinois, 54, Ph.D. (econ), 61; M.B.A., Harvard, 58. Asst. econ, Illinois, 56-57, finance, 57-58; eco-

- nomist, Fed. Reserve Bank of St. Louis, Mo, 58; economist, Community Studies, Inc, 58-59; asst. prof. econ. SCH. BUS. LOUISVILLE, 59-61, from assoc. prof. econ. to PROF. ACCT. & ASST. DEAN SCH. BUS, 61- Asst. dir. econ. base study, Springfield-Sangamon County Planning Cmn, Ill, 57-58; chief economist, San Juan metrop. region study, Planning Bd, Santurce, P.R, 61-62; economist, cmt. role univs. in regional econ. growth, Univ. Illinois, 62- Econ. Asn; Finance Asn; Regional Sci. Asn. Macroeconomics and social accounting, particularly applied to metropolitan and regional economic development and policy; managerial economics and behavior; labor economics and industrial relations; monetary financial institutions; economic thought and policy. Publ: Co-auth, Study of the economic base of Springfield and Sangamon County, Illinois. Address: School of Business, University of Louisville, Louisville, Ky. 40208.
- THOMPSON, PROF. JOHN D, b. Franklin, Pa, Aug. 6, 17; m; c. 7. HOSPITAL ADMINISTRATION. B.B.A. City Col. New York, 48; M.S., Yale, 50. Staff nurse, Bellevue Hosp, New York, 39-41, night charge nurse prison ward, 46-48; staff nurse, Hartford Hosp, Conn, 48; asst. dir, Montefiore Hosp, New York, 50-56; res. assoc. SCH. MED. YALE, 56-61, assoc. prof. PUB. HEALTH & NURSING ADMIN, 61-66, PROF, 66-, DIR. PROG. HOSP. ADMIN, 61- Consult, various hosps. & Pub. Health Serv. U.S.N.R., 41-43. Col. Hosp. Adminstr; fel. Pub. Health Asn; Hosp. Asn. Address: Yale University School of Medicine, 60 College St, New Haven, Conn. 06510.
- THOMPSON, DR. J(OHN) ERIC S(IDNEY), b. London, Eng, Dec. 31, 98; m. 30; c. 1. ETHNOLOGY, ARCHAEOLOGY. Winchester Col, Eng, 12-15; Cambridge, 24-25; LL.D., Yucatan, Mex, 59; L.H.D., Pennsylvania, 62. Asst. curator, Chicago Natural Hist. Mus, 26-35; mem. staff archaeol, Carnegie Inst, 35-58; RETIRED. Hon. prof, Archaeol, Ethnog. & Hist. Mus, Mex; res. assoc. Chicago Natural Hist. Mus. Mem. Carnegie expeds, Cent. Am, 26, 36, 38, 42, 44, 47, 51, 54, 55; archaeologist, Brit. Mus. exped, Brit. Honduras, 27; Marshall Field expeds, Cent. Am, 27, 28, 29, 31, 34. Rivers mem. medal, 45; Viking medal, 55; Drexel medal, 62; Comendador de Isabel la Católica, 64; Order of the Aztec Eagle, 64; Huxley medal, 66. Pres, Int. Cong. Americanists, 52. Soc. Am. Archaeol; fel. Royal Anthropol. Inst. Gt. Brit; fel. Brit. Acad; Mex. Anthropol. Soc; Geog. & Hist. Soc, Guatemala. Maya archaeology and ethnology, especially hieroglyphic writing and religion; archaeology and ethnology of Southern Mexico. Publ: Excavations at San Jose, British Honduras; Maya hieroglyphic writing: introduction; A catalog of Maya hieroglyphs. Address: Ashdon, Saffron Walden, Essex, Eng.
- THOMPSON, DR. JOHN H, b. Ute, Iowa, May 15, 33; m. 56; c. 1. PSYCHOLOGY. B.A. Fresno State Col, 60; Ph.D.(psychol), Illinois, 64. Asst. Psychol, Illinois, 60-61; asst. prof, Gonzaga, 64-65, chmn. dept, 65-67; STAFF PSYCHOLOGIST, ROHRER, HIBLER & REPLOGLE, 67- Proj. dir, Nat. Sci. Found. res. grants, 65-67. Res. consult, med. dept, Lakeland Village, Wash, 66-67. U.S.M.C., 52-55, Sgt. Psychol. Asn. Human choice behavior as a function of cognitive processes; visual masking. Publ: What happens to the stimulus in backward masking, J. Exp. Psychol, 66. Address: 811 S.W. Sixth, Suite 302, Portland, Ore. 97204.
- THOMPSON, PROF. JOHN H(ENRY), b. Tower City, N.Dak, Feb. 27, 19; m. 42; c. 3. ECONOMIC GEOGRAPHY. A.B., Clark, 41; M.A., Colorado, 43; Ph.D.(geog), Washington (Seattle), 49. Asst. prof. GEOG, Nevada, 47-49; SYRACUSE, 49-53, assoc. prof, 53-58, PROF, 58- Fulbright lectr, Kobe, Japan, 54. U.S.N.R., 44-46. Asn. Am. Geog. Manufacturing geography in Japan and the United States; economic development and problems in New York State. Publ: New England excursion guidebook; Manufacturing in the St. Lawrence area of New York State; Geography of New York State, Syracuse, 66. Address: Dept of Geography, Syracuse University, Syracuse, N.Y. 13210.
- THOMPSON, JOHN I, Civil & Railway Eng, see 11th ed, Phys. & Biol. Vols.
- THOMPSON, PROF. JOHN L(ESLIE), b. New Castle, Pa, July 11, 17; m. 42; c. 2. GEOGRAPHY. B.S., Pa. State Teachers Col, 40; M.S., Wisconsin, 47, Ph.D., 56. Asst, Wisconsin, 46-49; asst. prof. GEOG, MIAMI (OHIO), 49-56, assoc. prof, 56-61, PROF, 61-, CHMN. DEPT, 67- Asn. Am. Geog; Am. Geog. Soc; Conserv. Ed. Asn. Geography of manufacturing of Miami River Valley. Publ: Co-auth, Student guide and laboratory manual, Harcourt, 65. Address: Dept. of Geography, Miami University, Oxford, Ohio 45056.
- THOMPSON, PROF. JOHN MEANS, Russian Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- THOMPSON, DR. J(OHN) M(URRAY), b. Kokomo, Ind, Dec. 22, 02; m. 26; c. 5. AGRICULTURAL ECONOMICS. A.B., DePauw, 25; M.S., Lehigh, 29; Ph.D. (math), California, 35. Exten. specialist agr. econ, California, 35-37; with agr. adjust. admin, U.S. DEPT. AGR, 37-43, asst. dir. west. div, 43-46, chief economist, prod. & mkt. admin, 46-52, DIR. price div, commodity stabilization serv, 53-61, AGR. STABILIZATION & CONSERV. SERV, 61-62, POLICY & PROG. APPRAISAL DIV, 62- Agr. Econ. Asn; Int. Asn. Agr. Econ. Mathematical economics. Address: 2 Midhurst Rd, Silver Spring, Md. 20910.
- THOMPSON, DR. JOHN R, b. Clear Lake, Iowa, Jan. 28, 30; m. 53; c. 2. MARKETING. B.B.A., Washington (Seattle), 57, M.B.A., 58, D.B.A. (mkt), 63. Instr. MKT, Sacramento State Col, 58-60; Washington (Seattle), 60-63; asst. prof, GEORGIA, 63-66, ASSOC. PROF, 66- Ed. South. J. Bus, 65- U.S.N., 51-55. Mkt. Asn. Marketing research; the value and use of leisure time in outdoor recreation and the marketing of outdoor recreation enterprise. Publ: Co-auth, The role of the private sector, 6/67 & auth, Trends in participation, 6/67, Ga. State Bur. Planning; The giant nobody knows, J. Parks & Recreation, 3/68. Address: Dept. of Marketing, University of Georgia, Athens, Ga. 30601.
- THOMPSON, DR. JOHN R(ICHARD), b. Mt. Morris, Ill, Sept. 19, 29; m. 51; c. 3. CLINICAL PSYCHOLOGY. B.A., Colorado, 52, M.A. & Ph.D. (psychol), 60. Asst. psychol, Colorado, 55-56; trainee clin. psychol, Vet. Admin. Hosp, Denver, 56-58, res. psychologist, 59-60, clin. psychologist, 60-64; ASSOC. PROF. PSYCHOL. & CLIN. PSYCHOLOGIST, OBERLIN COL, 64- Consult, west. coun. higher ed. nursing, sch. nursing, Colorado, 60- Dipl., Am. Bd. Exam. Clin. Psychol, 67. U.S.A., 52-54, Sgt. Psychol. Asn; Col. Health Asn. Cognitive structure and change; cognition and self-concept theory; effects of industrial therapy upon personality and behavior; psychotherapy with adolescences. Address: 825 Kimberly Circle, Oberlin, Ohio 44074.
- THOMPSON, DR. JOSEPH BOYD, b. St. Paul, Minn, Nov. 8, 37; m. 59; c. 2. PHYSIOLOGICAL PSYCHOLOGY. B.A., Earlham Col, 59; Nat. Sci. Found. fel, Wisconsin, 59, Nat. Insts. Health. fel. & M.A., 64, Ph.D. (psychol), 66. ASST. PROF. PSYCHOL., WASHINGTON & LEE, 66- AAAS. Behavioral functions of the limbic system in rats. Publ: Co-auth, Discrimination behavior and conditioned suppression following localized lesions in the amygdala and putamen, Psychol. Report, 64, Auditory frequency discrimination and generalization following lesions of the amygdaloid area in rats, 64 & Effects of septal lesions in rats on response inhibition associated with food-reinforced behavior, 64, J. Comp. Physiol. Psychol. Address: Dept. of Psychology, Washington & Lee University, Lexington, Va. 24450.
- THOMPSON, DR. K(ENNETH), b. Leeds, Eng, Nov. 26, 23; nat; m. 50, 67; c. 3. GEOGRAPHY. B.A., Cambridge, 50; M.S., Northwestern, 53, Ph.D.(geog), 55. Instr/ GEOG, CALIFORNIA, DAVIS, 55-61, asst. prof, 61-63, ASSOC. PROF. & CHMN. DEPT, 63- R.A.F., 41-46. Asn. Am. Geog; Am. Geog. Soc. Historical and economic geography. Address: 1203 Bucknell Dr, Davis, Calif. 95616.
- THOMPSON, DR. KENNETH HERMAN, b. Nemaha Co, Nebr, Feb. 18, 09; m. 31; c. 3. EDUCATION, PSYCHOLOGY. A.B., Nebr. State Teachers Col, 30; M.A., Colo. State Col, 34; Ph.D.(ed. admin), Nebraska, 46; summer, Michigan, 58. Teacher & Prin. pub. schs, Nebr., 28-30, supt, 30-38; dir. teacher training ed, training sch. village teachers, Moga, Punjab, India, 38-42; instr. geog, Nebraska, 43-44; indust. psychologist, Glenn L. Martin-Nebr. Co, 44-45; instr. ed. & dir. vet. serv, Creighton, 45-46; ASSOC. PROF. PSYCHOL. & DIR. VET. SERV, BERE A COL, 46-, ASSOC. DEAN ADMIN, 50- Fulbright lectr, Karachi, 55-56, Queensland, 66; dir. feasibility study, Nyatsime Col, Rhodesia, 63-64; study South. Christian Col, Philippines, 66. Mem. Nat. Conf. Bd. Fulbright Selection Cmt, prof. going abroad, 57, prof. going to Pakistan & India, 58; mem. adv. cmt, J. Authority Ed. TV, 63-70; admin. cmt, Nat. Asn. For. Student Adv, 68. Ed. Moga J. Teachers, Punjab, India, 40-42. U.S.N.R., 49-65, Lt. Comdr. Psychol. Asn. Measurement of personality traits; travels in other lands; mobilization plans for naval schools in the fifth naval district. Publ: Work experience in teacher education, Univ. Nebraska, 46. Address: Dept. of Psychology, Berea College, Berea, Ky. 40403.
- THOMPSON, DR. KENNETH W(INFRED), b. Des Moines, Iowa, Aug. 29, 21; m. 48; c. 3. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. A.B., Augustana Col.(S.Dak), 43; M.A., Chicago, 48, Ph.D., 50; LL.D., Notre Dame, 64. Lectr, Chicago, 48; from instr. to asst. prof, Northwestern, 48-51; asst. prof. polit. sci, Chicago, 51-53; assoc. prof. & chmn. int. rels. cmt, Northwestern, 53-55; asst. dir. soc. sci. ROCKEFELLER FOUND, 55-57, assoc. dir, 57-60, dir, 60-61, V.PRES, 61-, consult, 53-55. Lectr, Riverside Church, 58; Duke, 59. Fel, Nat. Coun. Relig. Higher Ed, 56- Mem. Inst. Current World Affairs, 59-; coun. relig. & int. affairs, New York, 56-; adv. cmt. int. orgn. affairs, U.S. Dept. State. U.S.A., 43-46. Polit. Sci. Asn; fel. Am. Acad. Arts & Sci; Acad. Polit. & Soc. Sci. American government and foreign policy; political theory; ethics and policy; international organization, history and law; theory of international relations; diplomacy; philosophy of history; European, African and Middle Eastern studies; foreign aid. Publ: Political realism and the crisis of world politics, Princeton, 60; American diplomacy and emergent patterns, N.Y. Univ, 62; The moral issue in statecraft, La. State Univ, 66. Address: Rockefeller Foundation, Room 4200, 111 W. 50th St, New York, N.Y. 10020.
- THOMPSON, DR. KIRK, b. Berkeley, Calif, Feb. 4, 36. POLITICAL SCIENCE. B.A., Stanford, 56, M.A., 58; Ph.D.(polit. sci), California, Berkeley, 65. ASST. PROF. POLIT. SCI., REED COL, 64- Mil. Intel, U.S.A., 57-59, 1st Lt. Polit. Sci. Asn. Political theory, especially seventeenth and eighteenth century constitutional theory. Address: Dept. of Political Science, Reed College, Portland, Ore. 97202.
- THOMPSON, DR. LAURA, b. Honolulu, Hawaii, Jan. 23, 05; m. 63. ANTHROPOLOGY. B.A., Mills Col, 27; scholar, Radcliffe Col, 28; Bishop Mus. fel, 31-32; Ph.D.(anthrop), California, 33. Med. soc. worker, Shriners Hosp, Honolulu, 27; asst. ethnologist, Bishop Mus, 29-34; res. assoc. Hawaii, 38-40; soc. scientist, community surv. ed, Territory of Hawaii, 40-41; coordinator, Indian personality and admin. res, U.S. Off. Indian Affairs Contract, 41-47; consult. & mem. bd, Inst. Ethnic Affairs, 46-54; prof. social. & anthrop, City Col. New York, 54-56; analyst, McMurry, Hamstra & Co, 57; vis. prof. social. & anthrop, North Carolina, 57-58; vis. scholar, 58-59, vis. prof, N.C. State Col, 59-61; Southern Illinois, 61-62; prof. anthrop, San Francisco State Col, 62-63; CONSULT. ANTHROPOLOGIST, 63- Res, 51-54; Rockefeller Found. grants, Iceland, 51-52. Consult, U.S. Naval Govt, Guam, 38-39; U.S. Off. Indian Affairs, 42-44; adv. Nat. Indian Inst, 48. With expeds, Fiji Islands; Guam; Hawaii; Iceland; Hopi, Papago, Zuni, Navaho, Sioux reservations. Fel. AAAS; Anthropol. Asn; Soc. Appl. Anthropol. Culture and personality; anthropogeography; multi-discipline research administration; applied anthropology; oceanica; American Indians; European folk communities. Publ: Culture in crisis; Toward a science of mankind; The secret of culture, Random, 68. Address: 3215 Ave. H, Apt. 11-L, Brooklyn, N.Y. 11210.
- THOMPSON, PROF. LAWRENCE E(VANS), b. Los Angeles, Calif, June 22, 19; m. 42; c. 3. ECONOMIC, BUSINESS ADMINISTRATION. B.A., Dartmouth Col, 41; Littauer fel, Harvard, 46-47, Ph.D., 51. From instr. to PROF. BUS. ADMIN, GRAD. SCH. BUS. ADMIN, HARVARD, 48- U.S.N.R., 41-45, Lt. Econ. Asn. Taxation; finance; control. Publ: Co-auth, Effects of taxation, investments by individuals. Address: Graduate School of Business Administration, Harvard University, Soldiers Field, Boston, Mass. 02163.

THOMPSON, PROF. LAYTON S(PENCER), b. Della, Kans, June 17, 06; m. 39; c. 4. ECONOMICS, AGRICULTURAL ECONOMICS. B.S., Colo. Agr. & Mech. Col., 39; M.S. Mont. State Col., 40; Chicago 47; Ph.D. (agr. econ), Mich. State, 54. Asst. to dir. res. Farm Credit Admin, Kans, 41-43; asst. prof. AGR. ECON, MONTANA STATE, 43-49, assoc. prof, 49-55, PROF, 56- Agr. Econ. Asn. Land economics. Publ: Changing aspects of the farm real estate situation, Montana cooperative state grazing districts in action & Economics of grain storage on Montana farms, Mont. Agr. Exp. Sta. Bull. Address: Dept. of Economics, Montana State University, Bozeman, Mont. 59715.

THOMPSON, PROF. LEETE A(NDERSON), b. Graysville, Ind, Aug. 24, 15; m. 47; c. 1. BUSINESS MANAGEMENT. B.S. Indiana, 38; M.B.A. California, Los Angeles, 49; D.B.A. (mgt, finance), Washington (Seattle), 61. Exec. trainee, Occidental Life Ins. Co, Calif, 38-40; weight engr, Lockheed Aircraft Corp, 40-48; instr. bus. admin, Fresno State Col, 49-51; Sacramento State Col, 51-52; aeronaut. engr, Hughes Aircraft Co, 52-53; test coordinator, Northrop Aircraft Inc, Fla, 53-55; lectr. POLICY-PROD. col. bus. admin, Washington (Seattle), 56-58; SACRAMENTO STATE COL, 58-61, assoc. prof, 61-63, PROF, 63-, CHMN. DEPT. MGT, 64- Consult. Dept. Corrections, State of Calif, 62; Ed. TV, Channel 6, 63-64; Cannon Brick Co, 67. Acad. Mgt; Soc. Adv. Mgt. Moonlighting practices and motives; managing research and development; managing innovation; creativity. Publ: Motives and practices of moonlighters, 10/61 & Moonlighters: a reply, Wash. Bus. Rev, 2/62. Address: Dept. of Management, Sacramento State College, 6000 J St, Sacramento, Calif. 95819.

THOMPSON, DR. LORIN A(NDREW), b. Greeley, Colo, Jan. 23, 02; m. 24, 38; c. 7. ECONOMICS. B.A. Ohio State, 23, M.A. 24, Ph.D. (psychol, econ), 27. Asst. prof. psychol, Ohio Wesleyan, 27-29, assoc. prof, 29-31, prof, 31-34; dir. res. dept. econ. security, Cincinnati, Ohio, 34-40; pop. study, State Planning Bd, Va, 40-44; DIR. BUR. POP. & ECON. RES, VIRGINIA, 44-, CHANCELLOR, GEORGE MASON COL, 68- Private consult, 44- AAAS; Econ. Asn; Statist. Am; Pop. Asn. Demography; economic growth; management. Publ: Interview aids and trade questions for employment offices; Trends and prospects for unemployment compensation in Virginia; Urbanization, occupational shift and economic progress. Address: 1521 Oxford Rd, Charlottesville, Va. 22903.

THOMPSON, DR. LORING M(OORE), b. Newton, Mass, Feb. 17, 18; m. 49; c. 3. ACADEMIC ADMINISTRATION. B.S. Northeastern, 40; M.S. Rhode Island, 47; Ph.D. (planning), Chicago, 56. Assoc. prof. indust. eng, Toledo, 52-59, asst. to pres, 52-58, asst.-dean, acad. admin, 58-59; exec. asst. to pres. & dir. univ. planning, NORTHEASTERN, 59-64, dean adult progs, 64-66; DEAN UNIV. PLANNING, 66-, V. PRES, 67- Consult. off. chief ord, U.S. Dept. Army, 52-54; Ford Found. Asian prog, Indonesia, 67. U.S.N.R., 42-45, Lt. Mgt. Asn; Nat. Planning Asn; Soc. Col. & Univ. Planning; Asn. Instrnl. Res. Higher education; long-range planning; logistics. Publ: Co-auth, Business communication; auth, Meaning in space, Rev. Gen. Semantics; Educational television policy, Col. & Univ. Bus. Address: Northeastern University, 360 Huntington Ave, Boston, Mass. 02115.

THOMPSON, DEAN MERRELL E(UGENE), b. Noodle, Tex, Oct. 2, 13; m. 43; c. 2. PSYCHOLOGY. B.S. New Mexico State, 38, M.S. 40; Ph.D. (psychol), Iowa, 44. Asst. psychol, Iowa, 42-44, res. assoc. col. entrance exam. bd, Off. Sci. Res. & Develop, 44-45; instr. PSYCHOL, Rochester, 45-46; asst. prof, Kent State, 46-47; assoc. prof, New Mexico State, 47-50; prof. & chmn. dept, Arkansas, 50-55; PROF, NEW MEXICO STATE, 55-, DEAN GRAD. SCH, 66-, head dept. psychol, 64-67. Nat. Sci. Found. res. grants, 56, 58, 62, 65-66 & 67-68; Nat. Inst. Ment. Health res. grant, 65-68. Mem. adv. panel, Nat. Sci. Found, 66-, consult, 67-; mem. Coun. Grad. Schs. Psychol. Asn; Psychonomic Soc. Experimental psychology of learning; learning theory; generalization; instrumental learning and response variability. Publ: A two-factor theory of inhibition, Psychol. Rev; Alternation in a T maze as a function of three variables, Psychol. Report; Spontaneous recovery and partial reinforcement effects in the runway, Psychonomic Sci, 66. Address: 1515 Boutz Rd, Las Cruces, N.Mex. 88001.

THOMPSON, PRES. MORRIS, b. Clinton Co, Mo, Jan. 5, 16. ACADEMIC ADMINISTRATION. B.A. Kansas, 38; hon. D.Sc. Col. of Osteop. Med. & Surg, 50; hon. D.Litt. Col. of Osteop. Physicians & Surgeons, 50; hon. D.H.L. Chicago Col. Osteop, 61; hon. Dr. Osteop. Ed, Kansas City Col. Osteop. & Surg, 67. Dir. distributive ed, State Dept. Ed, Mo, 40-41; dir. develop, KIRKSVILLE COL. OSTEOOP. & SURG, 43-45, exec. v-pres, 45-47, PRES, 47- Ed. consult, Conf. Cmt. Osteop. Asn, 54-55. Mem. Surgeon Gen. Consult. Group Med. Ed, 58-59; health manpower adv. cmt, Mo. Cmn. Higher Ed, 67- AAAS; Osteop. Asn. Administration; medical education; medical sociology. Address: Kirksville College of Osteopathy & Surgery, Kirksville, Mo. 63501.

THOMPSON, PROF. RALPH E(BURNHAM), b. Grand Rapids, Mich, Mar. 28, 12; m. 40; c. 1. MARKETING. B.S. Miami (Ohio), 35; M.B.S. Western Reserve, 42; Ph.D. (bus. admin), Texas, 52. Instr. bus. admin, La. State, 42-43; MKT, Western Reserve, 46-47; asst. prof, Texas, 47-51, assoc. prof, 51-54; FLORIDA, 55-60, PROF, 60-, ED, BUS. & ECON. DIMENSIONS, 65- Found. Econ. Ed. fel, 53. Ed. Southwest Resources Handbook, Southwest Res. Inst, 54-55. U.S.A., 43-46. Mkt. Asn. Marketing research and theory. Publ: A statistical analysis of the economic factors affecting membership in the Episcopal Church in the diocese of Texas; co-auth, Effective selling. Address: 1209 N.W. 43rd St, Gainesville, Fla. 32601.

THOMPSON, PROF. RAYMOND H(ARRIS), b. Portland, Maine, May 10, 24; m. 48; c. 2. ANTHROPOLOGY, ARCHAEOLOGY. B.S. Tufts, 47; fel, Harvard, 49, A.M., 50, Owens fel, 52, Ph.D. (anthrop), 55; fel, Carnegie Inst, 50-52. Asst. dir. Peabody Mus. Upper Gila Archaeol. Exped, Harvard, 49; asst. prof. anthrop. & curator, mus. anthrop, Kentucky, 52-58; asst. dir. ARCHAEOLOG. FIELD SCH, ARIZONA, 56-60, DIR. 61-, PROF. ANTHROP. & HEAD DEPT. & DIR. ARIZ. STATE MUS, 64-, asst. prof. univ, 56-58, assoc. prof, 58-64. Mem. adv. panel, prog. anthrop, Nat. Sci. Found, 63-65; Nat. Acad. Sci-Nat. Res. Coun. panel, Nat. Sci. Found. grad. fcls, 64-66; pub. health serv. res. museum in patient care rev. cmt, 67-; Nat. Acad. Sci. Cmn. Ed. In Agr. & Natural Resources Cmt. Sci. fel, 68. U.S.N., 44-46. Fel. AAAS; fel. Anthrop. Asn; Soc. Am. Archaeol. (ed, 58-62); Ethnol. Soc; Soc.

Ethnol. Soc; Soc. Am. Archaeol. of New World; regional specialization in southwestern United States and Mesoamerica, especially Maya area; archaeological theory; ceramic technology; educational, administrative and publication policy in anthropology. Publ: Ed, Migrations in New World culture history; auth, The subjective element in archaeological inference, Southwest. J. Anthropol, Modern Yucatecan Maya pottery making, Soc. Am. Archaeol. Mem. Address: 6130 Cerrada el Ocote, Tucson, Ariz. 85718.

THOMPSON, PROF. RICHARD F(REDERICK), Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.

THOMPSON, DR. RICHARD WARREN, b. Pontiac, Mich, June 8, 33; m. 53; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Mich. State, 57, M.A. 59, Nat. Sci. Found. fel, summer 61, Nat. Inst. Ment. Health fel, 61-62, Ph.D. (psychol), 62. Asst. prof. PSYCHOL, Ohio, 62-65, ASSOC. PROF, 65-67; WEST. WASH. STATE COL, 67- Consult, Athens State Hosp, Ohio, 65-67. U.S.A., 54-56. AAAS; Psychol. Asn; Animal Behav. Soc; Psychonomic Soc. Physiological bases of memory; animal learning; human perception. Publ: Transfer of avoidance learning between normal and functionally decorticate states, 64, Effects of stimulus and response complexity on learning under bilateral spreading depression, 65 & Shock level and unconditioned responding in rats under sham, unilateral, or bilateral spreading depression, 67, J. Comp. & Physiol. Psychol. Address: Dept. of Psychology, Western Washington State College, Bellingham, Wash. 98225.

THOMPSON, DR. ROBERT, Psychol, see 11th ed, Phys. & Biol. Vols.

THOMPSON, DR. ROBERT L(OUIS), b. New York, N.Y, Dec. 6, 26. PSYCHOLOGY. B.S. Columbia, 46, M.A. 53, Ph.D. (psychol), 59. Chemist, Monsanto Chem. Co, 46-47; res. chemist, Colgate-Palmolive-Peet Co, 49-51; asst. psychol, Columbia, 51-57, lectr, 54-56, instr, 57-58, res. assoc. col. physicians & surg, 58-66; ASSOC. PROF. PSYCHOL, HUNTER COL, 66-, adj. assoc. prof, 64-66. Prin. investr. Nat. Inst. Ment. Health res. grant, 63-66; adj. assoc. prof, Columbia, 66-68. U.S.N.R., 44-46, Lt. (jg). AAAS; Psychol. Asn; Psychonomic Soc; Animal Behavior Soc. Experimental analysis of behavior; physiological and comparative psychology; application of learning theory to education, psychopathology and psychotherapy. Publ: Effects of lesions in the caudate nuclei and dorsofrontal cortex on conditioned avoidance behavior in cats, J. Comp. & Physiol. Psychol; co-auth, Permanent learning deficit associated with lesions in the caudate nuclei, Am. J. Ment. Deficiency, 63; Classical conditioning of electric organ discharge rate in mormyrids, Science, 65. Address: Dept. of Psychology, Hunter College, 695 Park Ave, New York, N.Y. 10021.

THOMPSON, PROF. ROBERT WENDELL, b. Hastings Co, Ont, Sept. 1, 17; m. 42; c. 2. ECONOMICS. B.A. Toronto, 40; M.A. Queen's (Ont), 48; Ph.D. (econ), London Sch. Econ, 61. Economist, Govt. Can, 42-47; lectr. ECON, Toronto, 50-53; from asst. prof. to PROF, McMASTER, 53- Economist, Royal Cmn. Canada's Econ. Prospects, summer 56; econ. adv. Ont. Cmt. Taxation, 64-67. Can. Econ. Asn; Royal Econ. Soc; Am. Econ. Asn. International economics; business fluctuations. Address: Dept. of Economics, McMaster University, Hamilton, Ont, Can.

THOMPSON, DR. RUSSELL GLENWOOD, b. Rushmore, Minn, Jan. 5, 29; m. 52; c. 5. ECONOMICS, MATHEMATICS. B.A.B.A. Minnesota, 57, Ph.D. (agr. econ), 62. Instr. agr. econ, Minnesota, 58-61; asst. prof, Texas A&M 61-62; ASSOC. PROF, econ. & agr. econ, Missouri, Columbia, 62-67; ECON. & MATH, TEXAS A&M, 67- Nat. Sci. Found. Faculty Sci. fel, Purdue, 65-66. Consult. for. agr. serv, U.S. Dept. Agr, 64-65; President's Adv. Cmn. Food & Fiber, 66-67. U.S.A.F. 50-55; Air Nat. Guard, 55-61, Capt. Agr. Econ. Asn; Economet. Soc; Soc. Indust. & Appl. Math. Applied econometrics; economic theory—dynamic investment, production, and inventory controls for the competitive and monopoly firm. Publ: Co-auth, Substitution and values of elasticities, Am. Econ. Rev, 6/65; Co-auth, Study of supply demand, and price relationships for the beef sector, 2/67 & Study of supply, demand, and price relationships for the dairy sector, 5/67, J. Farm Econ. Address: Dept. of Economics, Texas A&M University, College Station, Tex. 77843.

THOMPSON, PROF. S(AMUEL) B(ERNARD), Hist, Govt, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

THOMPSON, DR. TRAVIS I, b. Minneapolis, Minn, July 20, 37; m. 57; c. 1. PSYCHOLOGY. B.A. Minnesota, Minneapolis, 58, Tozer Found. fel. U.S. Pub. Health Serv. fel, M.A. & Ph.D. (psychol), 61. Nat. Sci. Found. fel, psychopharmacol. lab, Maryland, 61-63; asst. prof. PSYCHIAT, PSYCHOL. & PHARMACOL, MINNESOTA, MINNEAPOLIS, 63-66, ASSOC. PROF, 66- U.S. Pub. Health Serv. spec. fel, animal behav, Cambridge, 67-68. Consult, cmt. abuse of stimulant & depressant drugs, U.S. Food & Drug Admin, 66- AAAS; fel. Psychol. Asn; Animal Behav. Soc; Psychonomic Soc. Experimental analysis of complex behavior, including conditioned and unconditioned behaviors; analysis of behavioral mechanisms of drug actions; operant conditioning. Publ: Behavioral pharmacology, Prentice-Hall, 68; Morphine self-administration, food-reinforced, and avoidance behaviors in rhesus monkeys, Psychopharmacologia, 64; Operant and classically conditioned aggressive behavior in Siamese fighting fish, Am. Zoologist, 66. Address: Psychiatry Research, Box 392 Mayo, University of Minnesota, Minneapolis, Minn. 55455.

THOMPSON, PROF. VICTOR A(LEXANDER), b. Hannah, N.Dak, Sept. 23, 12. PUBLIC ADMINISTRATION. A.B. Washington (Seattle), 39; Ph.D. Columbia, 49. Asst. dir. div. fuel & automotive rationing, Off. Price Admin, 44-46; instr, Texas, 46-47; asst. prof. polit. sci, Ill. Inst. Tech, 47-50, assoc. prof, 50-53, chmn. dept. polit. & soc. sci, 50-62, prof. POLIT. SCI, 53-62; Syracuse, 62-66; prof. & chmn. dept, ILLINOIS, URBANA, 66-68, PROF, 68- Mem. faculty, center progs. govt. admin, Chicago, 54-62; vis. prof, Makerere Col, Uganda, 61-62. Mem. Nat. Adv. Health Manpower Coun. Pub. Health Serv, 67-68. Sociol. Asn; Polit. Sci. Asn; Soc. Pub. Admin. Organization theory. Publ: Regulatory process in rationing; Modern organization; co-auth, Public administration. Address: Dept. of Political Science, University of Illinois, Urbana, Ill. 61801.

- THOMPSON, PROF. WAYNE E, b. Hunter, Kans, Mar. 3, 27; m. 53; c. 1. SOCIOLOGY. B.A. Colorado, 49, M.A. 51; Ph.D.(sociol), Cornell, 56. Asst. dir. study occup. retirement, Cornell, 53-56, assoc. dir. 56-58, co-dir. 58-64, res. assoc. sociol. 56-58, asst. prof. 58-61, assoc. prof. & dir. soc. sci. res. center, 61-64, prof. sociol. 64-68, ed. 65-68; PROF. SOCIOL. & HEAD DEPT. SOCIOL. & ANTHROP. NORTH CAROLINA, GREENSBORO, 68- Fulbright lectr., Sch. Soc. Sci., Tampere, Finland, 64-65. U.S.A. 43-46. Sociol. Asn. Social gerontology; sociology of community issues; local referenda; sociology of education. Publ: Co-ed, Adjustment in retirement, J. Soc. Issues; co-auth, Meaningful activity in a family context, In: Aging and leisure & Powerlessness and political negativism: a study of defeated local referendums, Am. J. Sociol. 3/62. Address: Dept. of Sociology & Anthropology, University of North Carolina, Greensboro, N.C. 27412.
- THOMPSON, PROF. WAYNE NOEL, Speech, Rhet, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- THOMPSON, PROF. WILBUR R(ICHARD), b. Detroit, Mich, Aug. 6, 23; m. 51; c. 3. ECONOMICS. B.A. Wayne State, 47; Brown, 47-48; M.A. Michigan, 49, Ph.D.(econ), 53. Instr. ECON, WAYNE STATE, 49-54, asst. prof. 54-59, assoc. prof. 59-63, PROF. 63- Assoc. res. dir, Gov. Tax Study Cmt, Minn, 56; res. dir, Mich. Univs. State Econ. Develop. Study, 58-59; res. assoc. Resources for Future, Inc. 61-62, 64-65, mem. cmt. urban econ, 64- Mem. cmt. urbanization, Soc. Sci. Res. Coun, 62-; bd, Southeast. Mich. Transportation Authority, 67- U.S.A. 43-46. Econ. Asn; Regional Sci. Asn. Regional economic development; urban economics; location of industry; spatial economics. Publ: Econometric model of postwar state industrial development; A preface to urban economics, Johns Hopkins, 65; co-auth, Residential service construction: a study of induced investment, Rev. Econ. & Statist. Address: Dept. of Economics, Wayne State University, Detroit, Mich. 48202.
- THOMPSON, DR. W(ILLARD) SCOTT, b. Providence, R.I, Jan. 1, 42. INTERNATIONAL RELATIONS. B.A. Stanford, 63; Rhodes Scholar, Oxford, 63-66, Danforth Found. fel. 65-67, D.Phil.(int. rels), 67. RES. ASSOC. FOR. POLICY AFRICA & ASIA, FLETCHER SCH. LAW, 67-, on leave for research, 69-71. Polit. Sci. Asn; African Studies Asn; Asn. Asian Studies. Foreign policies as instruments for advancing political development and national security in developing state of Africa and Asia. Publ: Ghana's foreign policy, 1957-1966, Princeton, (in press); Non-alignment in the third world, Orbis, 2/68; The limits of Russian policy in Africa: the case of Ghana, In: Russian policy in the third world, Blaisedale (in prep). Address: Fletcher School of Law & Diplomacy, Medford, Mass. 02155.
- THOMPSON, PROF. WILLIAM D(ONALD), Psychol. Physiol. see 11th ed, Phys. & Biol. Vols.
- THOMPSON, PROF. WILLIAM H, b. Scranton, Pa, Oct. 13, 09. ECONOMICS. B.S. Pa. State, 34; fel. & M.S. Syracuse, 39; Ph.D. Iowa State, 48. Prof. Colby Jr. Col. 38-42; Miami (Ohio), 42-44; PROF. INDUST. ADMIN. IOWA STATE, 44- Consult. N.Cent. Regional Mkt. Cmt, Great Plains Wheat Admin. V.chmn. res. cmt. 12 state gov. transportation cmt, 65- U.S.A.R. 17-19, Col. Econ. Asn; Soc. Traffic & Transportation. Transportation problems in agricultural movements. Publ: Co-auth, Transportation tariff manual, Brown, 65. Address: 208 Industrial Administration Bldg, Iowa State University, Ames, Iowa 50010.
- THOMPSON, DR. WILLIAM H(ERTZOG), b. Greeley, Colo, June 16, 95; m. 22; c. 2. CLINICAL PSYCHOLOGY. A.B. Omaha, 17, LL.D. 60; M.A. Nebraska, 25; Ph.D.(ed. psychol), Ohio State, 30. Asst. prof. psychol, Nebraska, 29-30; prof. & head dept, OMAHA, 31-59, dean COL. ARTS & SCI, 42-59, EMER. DEAN, 59-; CONSULT. CLIN. PSYCHOLOGIST, 59- Dir. child study serv, pub. schs, Omaha, 37-59, Dipl. Am. Bd. Exam. Prfnl. Psychol. AAAS; fel. Psychol. Asn; fel. Asn. Ment. Deficiency. Psychology in the applied fields of educational and clinical psychology. Publ: The fool has said God is dead, Christopher, 66. Address: 306 S. 57th St, Omaha, Nebr. 68132.
- THOMPSON, PROF. W(ILLIAM) N(EIL), b. Atlanta, Ill, Dec. 6, 20; m. 42; c. 3. AGRICULTURAL ECONOMICS. B.S. Illinois, 41, M.S. 42, Ph.D. 52; Farm Found. fel, Chicago, 47-48. Asst. prof. AGR. ECON, ILLINOIS, URBANA, 49-53, 55-56, assoc. prof. 56-59, PROF. 59- Agriculturist, Tenn. Valley Authority, 54-55, consult, 55-57. Chief of party, Univ. Illinois-U.S. Agency Int. Develop, Njala Univ. Col, Sierra Leone, 64-66. Econ. Asn; Agr. Econ. Asn. Farm management; economics of land use and fertilization; agricultural policy; economic development of agriculture. Address: 1607 W. Green St, Champaign, Ill. 61820.
- THOMPSON, PROF. WILLIAM ROBERT, b. Toulon, France, July 10, 24; m. 53; c. 2. PSYCHOLOGY. B.A. Toronto, 45, M.A. 47; Ph.D. Chicago, 51; hon. M.A. Wesleyan, 61. Res. assoc. PSYCHOL, McGill, 51-54; lectr., Queen's (Ont), 54-56; assoc. prof. Wesleyan, 56-61, prof. 61-66; PROF. & HEAD DEPT. QUEEN'S (ONT), 66- Guggenheim fel, 59-60; fel. Center Adv. Study Behav. Sci, 63-64. Consult, Conn. State Hosp, 58-59. Am. Psychol. Asn; Can. Psychol. Asn. Behavior genetics; development; exploratory behavior. Address: Dept. of Psychology, Queen's University, Kingston, Ont, Can.
- THOMPSON, PROF. WILLIAM W, b. Spartanburg, S.C, May 30, 31; m. 57; c. 3. MANAGEMENT SCIENCE, STATISTICS. B.S. Clemson, 53; M.B.A. Alabama, 58, Ph.D.(mgt. econ), 60. Instr. gen. eng, Alabama, 57-59; asst. prof. mgt, Okla. State, 60-62, assoc. prof. 63-66; Tex. Tech. Col, 62-63; PROF. MGT. SCI, HOUSTON, 66- Summer participant, Ford Found faculty seminars, Carnegie Inst. Tech, 61 & Univ. Kansas, 63. U.S.A.F. 53-56, Capt. Statist. Asn; Inst. Mgt. Sci. Development of mathematical and statistical models to be used for solving problems in management and business administration. Publ: Operations research techniques, C.E. Merrill, 67; A general model for exponentially compounding and discounting future cash flows, Mgt. Sci, 10/65; Some mathematical models for evaluating investment strategies, J. Indust. Eng, 2/66. Address: Dept. of Management Science, University of Houston, Houston, Tex. 77004.
- THOMSEN, DR. CURTIS EUGENE, b. Spring Valley, Minn, May 7, 27; m. 55. EXPERIMENTAL PSYCHOLOGY. B.A. Iowa, 51, M.A. 54; Ph.D.(psychol), Northwestern, 58. Asst. psychol, HumRRO, 54-55; instr, DePauw, 57-59, asst. prof. 59-64, assoc. prof. 64-65; RES. ASSOC. BEHAV. SCI, DELTA PRIMATE CENTER, TULANE, 65- U.S.A. 45-46. Psychol. Asn. Learning; motivation; statistics. Address: Tulane University Delta Regional Primate Research Center, Covington, La. 70433.
- THOMSON, DEAN BRUCE R(ANDOLPH), b. Harlan, Iowa, Feb. 13, 22; m. 48; c. 2. SOCIOLOGY. A.B. William Jewell Col, 49; B.D. South. Baptist Theol. Sem, 52, Th.M. 53; M.A. Louisville, 55; Ph.D. Fla. State, 59. Prin. pub. sch, Ind, 55; instr. soc. welfare, Fla. State, 55-57; from asst. prof. to assoc. prof. SOCIOL, Queens Col.(N.C), 57-59; PROF. & HEAD DEPT, WILLIAM JEWELL COL, 59-, ACAD. DEAN, 65-, acting acad. dean, 64. Lectr, Louisville, 55; vis. prof, Tex. Tech. Col, summer, 62. U.S.N. 43-46, Res. 46-, Lt. Comdr. Sociol. Asn; Nat. Coun. Family Rels. Family and medical sociology; social research; criminology. Address: Dept. of Sociology, William Jewell College, Liberty, Mo. 64068.
- THOMSON, PROF. CALVIN W, b. Ephraim, Utah, Aug. 3, 24; m. 48; c. 4. PSYCHOLOGY. Ph.D.(psychol), Utah, 51. Asst. prof. PSYCHOL, N.Mex. Col, 51-55; from asst. prof. to PROF, SAN JOSE STATE COL, 55- AAAS; Psychol. Asn. Human learning; physiological bases of behavior. Publ: Need reduction and primary reinforcement, J. Comp. & Physiol. Psychol; Effective reading and grade-point improvement with college freshmen, Sch. & Soc; Strain differences in the retroactive effects of electroconvulsive shock on maze learning, Can. J. Psychol. Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 95114.
- THOMSON, DR. CHARLES A(LEXANDER) H(OLMES), b. Titagur, India, Feb. 20, 13; nat; m. 40; c. 2. POLITICAL ECONOMY. B.A. Pomona Col, 34; fel. & M.A. Claremont Col, 35; Littauer fel, Harvard, 38-39, M.A. 44, Ph.D. (polit. econ), 49; Brookings Inst. fel, 39-40. Asst. pub. admin, Chicago, 35-36; jr. staff mem, Brookings Inst, 36, 40; res. assoc, 46-48, sr. staff mem, 48-59, dir. ed. div, 51-56; SR. STAFF MEM. & ADMIN. OFFICER, DEPT. SOC. SCI, RAND CORP, 59- Vis. lectr, sch. adv. int. studies, Hopkins, 53-54, 55, 57, consult, opers. res. off. 49-53; U.S. Dept. State, 49-50; spec. asst. to President, 55; U.S. Dept. Defense, 56- Staff dir, President's Commun. Policy Bd, 50-51. U.S.A. 41-46, Col. AAAS; Acad. Polit. & Soc. Sci; Asn. Pub. Opinion Res; Hort. Soc. Political communications; foreign policy; totalitarian government. Publ: Co-auth, The 1956 Presidential campaign; Overseas information service of the United States government; Television and presidential politics. Address: Rand Corp, 1700 Main St, Santa Monica, Calif. 90406.
- THOMSON, DR. DALE C(AIRNS), b. Westlock, Alta, June 17, 23. POLITICAL SCIENCE. B.A. Alberta, 48; dipl, Paris, 50, D.Univ, 51. Secy. to Prime Minister of Can, 53-57; asst. prof. POLIT. SCI, MONTREAL, 60-63, ASSOC. PROF. 63-, asst. dir. dept, 61-63, dir, 63-67. Mem. coun, Int. Polit. Sci. Asn, 67. R.C.A.F. 41-45, Flight Lt. Polit. Sci. Asn; Can. Econ. Asn. Evolution of Canadian political institutions; comparative federalism; Canadian political parties. Publ: Alexander Mackenzie: clear grit; Louis St. Laurent, Canadian, Macmillan, Can, 67. Address: Dept. of Political Science, University of Montreal, Montreal, Que, Can.
- THOMSON, PROF. DOROTHY LAMPEN, b. Great Falls, Mont, Aug. 17, 04; m. 37. ECONOMICS. B.A. Carleton Col, 26; Ph.D.(polit. econ), Hopkins, 29. PROF. ECON, Hunter Col, 29-68, LEHMAN COL, CITY UNIV. NEW YORK, 68- Summers, vis. prof, Hopkins, 45-47; Col-Bus. Exchange fel, Found. Econ. Ed, 52. Consult. Coun. Adv. Secondary Ed, Wash, D.C, 55-62. Econ. Asn. Economic education. Publ: Co-auth, American capitalism: an introduction. Address: 4 Stockbridge Rd, Yonkers, N.Y. 10710.
- THOMSON, DR. HERBERT F(ERGUS), JR, b. Canton, China, Oct. 28, 17; U.S. citizen. ECONOMICS. A.B. Princeton, 39; Th.B. Princeton Theol. Sem, 42; S.T.M. Union Theol. Sem, 43; M.A. Colorado, 50, Ford Found. fel, 56-57; Ph.D. Columbia, 57. Asst. prof. philos. & relig, Berea Col, 51-56; ECON, Dickinson Col, 57-61; assoc. prof. MUSKINGUM COL, 61-68, PROF. 68- Econ-In-Action fel, Case, 58. Econ. Asn. Philosophy; history of economic thought, especially in Scotland and in America during the eighteenth century. Publ: Charles Nisbet, a classical economist on the frontier, In: Pennsylvania history; Problems of economic development in the United States in the next 20 years. Address: Dept. of Economics, Muskingum College, New Concord, Ohio 43762.
- THOMSON, DR. JOHN SEABURY, b. Nanking, China, Mar. 13, 21; U.S. citizen; m. 45; c. 3. POLITICAL SCIENCE. B.A. Swarthmore Col, 43; M.A. Columbia, 47, Ph.D.(polit. sci), 53. Instr. polit. sci, Wisconsin, 50-53, asst. prof. 53-57; polit. analyst, U.S. Govt, D.C, 57-66; CHMN. SOUTHEAST ASIAN STUDIES, FOR. SERV. INST, U.S. DEPT. STATE, 66- Ford Found. res. fel, 54-55; assoc. prof. lectr, George Washington, 62-64; prof. lectr, American Univ, 64-; vis. lectr, sch. adv. int. studies, Hopkins, 66-67. Consult, Burma Res. Proj, N.Y. Univ, 55. U.S.N. 43-46, Lt. Mem, Inst. Pac. Rels. Polit. Sci. Asn; Asn. Asian Studies. Government and politics of Southeast Asia; international relations and organization. Publ: The Ne Win administration and after, In: The governance of modern Burma; contrib, Burmese foreign policy, In: Burma handbook: Marxism in Burma, In: Marxism in Southeast Asia. Address: 23 Grafton St, Chevy Chase, Md. 20015.
- THOMSON, DR. KENNETH F(RANCIS), b. Winnipeg, Man, Apr. 19, 13; nat; m. 40; c. 1. PSYCHOLOGY. A.B. Wayne State, 39; M.A. Ohio State, 42, Ph.D. 48. Asst. prof. psychol, Washington (Seattle), 48-51; proj. dir, Richardson, Bellows, Henry & Co, 51-54; chief statist. res. anal. group, personnel res. br, Adj. Gen. Off, 54-58; chief psychologist, U.S. Naval Training Device Center, 58-68; CHIEF ENG. PSYCHOLOGIST, NAVAL AIR TEST CENTER, U.S. NAVAL AIR STA, 68- U.S.A. 42-46, Capt. AAAS; Psychol. Asn; Human Factors Soc; Asn. Aviation Psychol.(secy-treas, 66-67, pres, 67-68). Human engineering; computer technology; experimental design; aviation psychology. Address: Aero-Med, Service Test, Naval Air Test Center, Patuxent River, Md. 20670.

THOMSON, DR. LOUISE G(REEER), b. Victoria, Tex, Dec. 16, 18; div; c. 1. PSYCHOLOGY. B.A., Texas, 40, M.A., 50, feds, 50-52, Ph.D.(psychol), 52. Dir. consumer res. M&M Candies, 52-56; psychol. consult, Sounding Bd, Inc, N.J., 58-62; res. psychologist, div. accident prev, U.S. Dept. Health, Ed. & Welfare, 62-65; EXEC. SECY. CHILD HEALTH & HUMAN DEVELOP. PROG. PROJ. CMT, NAT. INSTS. HEALTH, 65- Prfl. assoc, Sci. Info. Exchange, 59-60. AAAS; Psychol. Asn. Food flavors; side effects of drugs; human temperature regulation; research administration. Address: Division of Research Grants, National Institutes of Health, Bethesda, Md. 20014.

THOMSON, PROF. MEHRAN K(AFAFIAN), Sociol, see 10th ed, Soc. & Behav. Vols.

THOMSON, PROF. PROCTER, b. Oak Park, Ill, June 14, 19; m. 43, 58. ECONOMICS. B.A., Ohio State, 40, M.A., 41, Ph.D.(econ), Chicago, 51. Res. assoc. dept. econ, Chicago, 48-49, asst. prof. econ. & ed, 49-55; assoc. prof. econ, CLAREMONT MEN'S COL. & GRAD. SCH, 55-60, prof, 61-62, JOHN C. LINCOLN PROF. ECON. & ADMIN, 62- Consult, Fund Adv. Ed, 55; Joint Econ. Cmt, 57. V.chnm, Teachers Prfl. Standards Cmn, 65- U.S.A.A.F., 41-46, Lt. Econ. Asn; Agr. Econ. Asn.(award, 51); Economet. Soc. Economic theory; public finance; economics of education. Publ: Economics in the modern world; Variations on a theme by Phillips, Am. Econ. Rev; co-auth, American property taxation, Inst. Studies in Federalism, 65. Address: 1220 Cambridge, Claremont, Calif. 91711.

THOMSON, DR. ROBERT M(APES), b. Minneapolis, Minn, Jan. 23, 20; m. 43; c. 3. EXPERIMENTAL & ENGINEERING PSYCHOLOGY. A.B., Grinnell Col, 42; M.A., Minnesota, 48, Ph.D.(exp. psychol), 58. Res. assoc. human factors, Dunlap & Assocs, Inc, 48-50, assoc. psychologist, 54-58, sr. psychologist & mem. bd. dirs, 58-61, res. mgr. Wash. D.C. off, 62-65; PRES, THOMSON-BROOKS, 65-; MGR. HUMAN-SYST. EFFECTIVENESS DIV, STANWICK CORP, 68- U.S.A., 42-46. AAAS; Psychol. Asn; Ops. Res. Soc; Human Factors Soc; Inst. Elec. & Electronics Eng; Soc. Naval Archit. Human engineering; experimental psychology; systems analysis and evaluation from human factors standpoint. Publ: Design of multi man machine workplaces, Joint Armed Forces Human Eng. Guid, 2nd ed, in press. Address: 3666 Up-ton St. N.W., Washington, D.C. 20008.

THOMSON, DR. ROBERT W(ILLIAM), b. Camden, N.J., Jan. 5, 36; m; c. 3. MANAGEMENT. B.A., Col. Wooster, 58; B.S., Mass. Inst. Tech, 58; M.B.A., Michigan, 59; Ph.D.(indust. psychol), Purdue, 63. Jr. consult, Touche, Ross, Bailey & Smart, Mich, 62-63; sr. staff specialist, Gen. Motors Inst, Gen. Motors Corp, 63-65; personnel res. consult, Ford Motor Co, 65-66, supvr. personnel res, 66-67; DIR. MANPOWER PLANNING, BENDIX CORP, 67- Adj. Prof, Detroit, 65- Psychol. Asn. Manpower planning; management development; personnel research. Address: Executive Offices, Bendix Corp, 1104 Fisher Bldg, Detroit, Mich. 48202.

THOMSON, DR. RUTH H(AINES), Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

THOMSON, PRES. WALTER H, b. June 8, 19. SOCIOLOGY. B.A., Providence Col, 49; M.A., Boston Col, 51; Wayne State, 53-54, 56-58; Detroit, 54-55; Ph.D.(soc. sci), Rome, 62. Case worker, dept. welfare, Woonsocket, R.I., 49-50; asst. field dir, Am. Nat. Red Cross, Newport, 51; instr. sociol, Mercy Col(Mich), 52-54, asst. prof, 54-61, assoc. prof, 61-67, chmn. dept, 58-60, dean men, 64-66, prof. sociol, 67-68; PRES, MT. SENARIO COL, 68- Chmn. law enforcement cmt, Community Action Neighbors N.W. Detroit & planning cmt, Youth Conf. Delinquency Control, 66- U.S.A., 42-45. Coun. Learned Soc; Sociol. Soc; Acad. Soc. & Polit. Sci. Identifying meaningful differences between the personal traits, attitudes and conditions of environment of non-repeater and repeater delinquent boys to develop and test a valid instrument for measuring potential recidivism in young first offenders. Publ: The South Italian family: literature and observations, Human Orgn, 59. Address: Mt. Senario College, Ladysmith, Wis. 54848.

THONSEN, PROF. LESTER, b. Sutherland, Iowa, Nov. 26, 04; m. 27. SPEECH. A.B., Huron Col, 26, Litt.D., 58; A.M., Iowa, 29, Ph.D.(speech), 31. Instr. SPEECH, Pacific Col, Ore, 26-28; from instr. to prof, CITY COL. NEW YORK, 31-66, EMER. PROF, 66-; PROF. METROPOL. STATE COL, 65-Summers, vis. prof, Montana State; Iowa; Southern California; teachers col, Columbia; Hawaii; Colorado; Adams State Col. Trustee, Huron Col, 67-Mem. Admin. Coun, 48-53, 55-59. Speech Asn.(pres, 56). Public address; rhetorical theory and criticism. Publ: Head compiler, Bibliography of speech education; co-auth, Speech criticism; co-ed, Ideas that matter. Address: Metropolitan State College, 250 W. 14th Ave. at Civic Center, Denver, Colo. 80204.

THOR, DR. DONALD HAROLD, b. Rockford, Ill, Feb. 17, 32; m. 54; c. 4. PSYCHOLOGY. B.S., Illinois, 53; Rockford Col, 56-57; U.S. Pub. Health Serv. fel, Fla. State, 61-62, Ph.D.(exp. psychol), 62. Res. assoc. & asst. prof. psychol, Georgia, 62-64; asst. prof, Western Michigan, 64-67; RES. SCIENTIST, E.R. JOHNSTONE TRAINING & RES. CENTER, 67- Res. grants, Nat. Insts. Health & Licensed Beverage Indus, 66- U.S.A., 53-55. AAAS; Psychol. Asn. Perception of time and space, human and animal; psychopharmacology; biological-behavioral rhythms; retardation. Publ: Time perception during a two-week confinement, Acta Psychologica, 64, Distance perception in darkness, Science, 64 & Circadian activity and noise comparisons of confined groups, Perceptual & Motor Skills, 64. Address: E.R. Johnstone Training & Research Center, Bordentown, N.J. 08505.

THOR, DR. ERIC, b. Wisner, Nebr, Jan. 14, 16; m. 42; c. 4. AGRICULTURAL ECONOMICS. B.S., Nebraska, 40; M.S., Florida, 49; fel, California, 49-52, Ph.D., 56. ASSOC. PROF. AGR. ECON, Florida, 52-61; GIANNINI FOUND, CALIFORNIA, BERKELEY, 61- Agr. Econ. Asn; Statist. Asn; Soc. Eng. Ed. Economic engineering; statistics. Publ: A guide for measuring relative profitability of alternative work methods in agricultural packing and processing operations, 65 & A guide to procedures leading to the consolidation of agricultural cooperatives, 67, Agr. Econ. Series, Univ. Calif. Agr. Exp. Sta, Berkeley. Address: Giannini Foundation of Agricultural Economics, University of California, Berkeley, Calif. 94720.

THORBECKE, PROF. ERIK, Econ, see 10th ed, Soc. & Behav. Vols.

THORBURN, PROF. HUGH G(ARNET), b. Toronto, Ont, Feb. 8, 24; m. 50; c. 5. POLITICAL SCIENCE. B.A., Toronto, 49; A.M., Columbia, 50, cert, European Inst, 51, Ph.D.(pub. law, govt), 58. Asst. prof. POLIT. SCI, Mt. Allison, 52-54, 55-56; Saskatchewan, 54-55; QUEEN'S (ONT), 56-65, PROF, 65-, HEAD DEPT. POLIT. STUDIES, 68- Can. Coun. Res. grant, France, 63-64. Mem, Can. Inst. Int. Affairs, 56-; pres, Soc. Sci. Res. Coun. Can, 67-69. Am. Polit. Sci. Asn; Can. Polit. Sci. Asn. Realignment of political parties in France; Canadian politics, especially parties and pressure groups; comparative governments. Publ: Politics in New Brunswick, 61, 67 & co-auth, Canadian anti-combines administration, 1952-1960, 63, Univ. Toronto; Party politics in Canada, Prentice-Hall, Can, 1st ed, 63, 2nd ed, 67. Address: Dept. of Political Science, Queen's University, Kingston, Ont, Can.

THORELLI, PROF. HANS BIRGER, b. Newark, N.J., Sept. 18, 21; m. 48; c. 2. ECONOMICS, POLITICAL SCIENCE. M.A., Stockholm, 44, LL.B., 45, Swedish govt. feds, 51-53, Ph.D.(polit. sci), 54; Am. Scandinavian Found. fel, Northwestern, 46-47. Consult, UN, 52; dir, Coun. Soc. & Econ. Studies, Sweden, 53-58; res. consult, Gen. Elec. Co, 56-59; PROF. BUS. ADMIN, grad. sch, Chicago, 59-64; GRAD. SCH. BUS. INDIANA, 64-, CHMN. DEPT. MKT, 66- Rockefeller Found. res. fel, 51-52; vis. prof, int. center adv. mgt. ed, Stanford, 62; Ford Found. faculty res. fel, Chicago, 62-63; prof, Int. Mgt. Develop. Inst, Lausanne, Switz, 64-65; summer vis. prof, Univ. South Africa & U.S.-South Africa Leader Exchange Prog. fel, 67. Consult, Gen. Elec. Co; Monsanto Co; Int. Bus. Mach. Dir, Tower Oil Co. Econ. Asn; Pol. Sci. Asn; Soc. Pub. Admin; Mkt. Asn. Organization-environment interaction; marketing management; government and business. Publ: Federal antitrust policy of the United States: origination of an American tradition, Johns Hopkins, 55; co-auth, international operations simulation; with comments on design and use of management games, Macmillan, 64; auth, The political economy of the firm: basis for a new theory of competition?, Schweizerische Zeitschrift für Volkswirtschaft, 65. Address: Graduate School of Business, Indiana University, Bloomington, Ind. 47401.

THOREN, CONRAD JOSEPH, b. Chicago, Ill, Mar. 10, 15; m. 52. GEOGRAPHY. A.B., Chicago, 37, S.M., 41. Geogr. Off. Strategic Serv, D.C. & Eng, 42-43; geog. attaché, for. serv, U.S. Dept. State, Eng. & India, 47-55, consul, Africa, 56-57, geog. attaché, Denmark, 58-59; statistician, Outdoor Recreation Resources Rev. Cmn, D.C., 60-61; GEOGR. BUR. CENSUS, U.S. DEPT. COMMERCE, 62- U.S.N.R., 43-46, Lt.(jg). Am. Geog. Soc; Asn. Am. Geog; Royal Geog. Soc; Inst. Brit. Geog. Cultural geography, especially cartography and map information; population geography; recreation and transportation geography and tourism; northwest Europe; Asian sub-continent and Africa south of the Sahara. Address: 3900 Watson Place N.W., Washington, D.C. 20016.

THORESON, DR. RICHARD WALLACE, b. Minneapolis, Minn, Jan. 27, 31; m. 52; c. 2. PSYCHOLOGY, COUNSELING. B.A., Minnesota, Minneapolis, 54, M.A., 58; Ph.D.(counseling psychol), Missouri, Columbia, 63. Teaching asst. psychol. Minnesota, 55-56; counsr, State Minn, 56-58; sch. psychologist, St. Cloud State Col, 58-59; staff counsr, Missouri, 59-61; psychol. trainee, Jefferson Barracks Vet. Admin. Hosp, 61-62; asst. prof. psychol, Cincinnati, 62-63; counseling & behav. studies, Wisconsin, 63-66; ASSOC. PROF. COUNSELING & PERSONNEL SERV, MISSOURI, COLUMBIA, 66-Psychol. consult, Drake Mem. Hosp, Cincinnati, Ohio, 62-63; U.S. Employ. Serv. voc. expert, bur. hearing & appeals, Soc. Security Admin, 64-; proj. dir, Inst. Personnel Youth Opportunity Center, 66; proj. dir, teaching grant, employ. serv. counseling, 66-; rehab. counseling, 66-; proj. dir. workshop, Employment Serv, 67; Rehab. Serv. Admin, 67, 68. AAAS; Psychol. Asn; Personnel & Guidance Asn; Am. Rehab. Counseling Asn. Counseling process and outcome research; prediction of outcome in rehabilitation; psycho-socio aspects of disability; role perceptions of various patient groups; Professional role identification of counseling psychologists. Publ: An analysis of mental role cognitions: own and attributed, 66 & co-auth, Accuracy of social perception of physically handicapped and non-handicapped persons, 67, J. Soc. Psychol; co-auth, Predicting rehabilitation success with the MMPI and demographic data, Personnel & Guid. J, 66. Address: 611 Westridge, Columbia, Mo. 65201.

THORKELOSON, DR. H(ALSTEN) JOHN, b. Madison, Wis, May 3, 17; m. 40; c. 4. ECONOMICS. B.A., Carleton Col, 38; M.A., Wisconsin, 48, Ph.D., 55. Instr. ECON, CONNECTICUT, 50-56, from asst. prof. to assoc. prof, 56-67, PROF, 67- Mem, State Indust. Safety Cmt, Conn, 59- U.S.A., 45-46, 2nd Lt. Econ. Asn; Econ. Hist. Asn. Economic history; labor; monetary and fiscal policy. Address: Dept. of Economics, University of Connecticut, Storrs, Conn. 06268.

THORN, PROF. RICHARD S(EMOUR), b. New York, N.Y., Sept. 20, 29. ECONOMICS. A.B., Columbia, 51; M.A., Maryland, 52; Rabinowitz fel, Yale, 52, Sterling jr. fel, 56, Ford fel, 57, Ph.D., 58. Analyst finance, Standard & Poore Corp, 51; economist, Int. Monetary Fund, 57-62; consult. ECON. Cmt of Nine, Orgn. Am. States, 62-63; assoc. prof, City Univ. New York, 63-65; PROF, PITTSBURGH, 65- Adv. Dep. Prime Minister, Iran, 67-68; summers, chief, Inter-Am. Develop. Bank Mission to Bolivia, 64, adv. UN Indust. Develop. Center, 65. U.S.C.G.R., 53-55, Lt. Econ. Asn; Economet. Soc. International economics, money and banking; economic development. Publ: Ed, Monetary theory and policy, Random, 66; auth, The evolution of public finance in developing countries, Manchester Sch, 67; Long run adjustments to changes in the capital output ratio and the national debt, Yale Econ. Papers. Address: 1407 Beechwood Blvd, Pittsburgh, Pa. 15217.

THORNBUR, DR. EDGAR HODSON, b. Buffalo, N.Y., Sept. 12, 41. ECONOMICS, STATISTICS. B.A., Chicago, 62, Earhart Found. fel, 62-64, Ingersoll Found. fel, 64-65, Ph.D.(econ), 66. ASST. PROF. ECON, GRAD. SCH. BUS, CHICAGO, 66- Assoc. researcher, Nat. Sci. Found. res. grant, 66-68. Economet. Soc; Math. Soc. Applications of statistical decision theory to econometrics and in implementation of new methods for practical computer applications; economics of computation. Publ: Co-auth, Computational accuracy and estimation of simultaneous equation econometric models, Econometrica, 7/68; auth, Finite sample Monte Carlo studies, J. Am. Stat. Asn,

9/67. Address: Graduate School of Business, University of Chicago, 5836 Greenwood Ave, Chicago, Ill. 60637.

THORNDIKE, PROF. ROBERT LADD, b. Montrose, N.Y., Sept. 22, 10; m. 33; c. 3. PSYCHOLOGY. B.A. Wesleyan, 31; M.A. Columbia, 32, Ph.D.(psychol.), 35. Instr. psychol. George Washington, 34-35, asst. prof. 35-36; ED. PSYCHOL., TEACHERS COL, COLUMBIA, 36-40, assoc. prof. 40-48, PROF. 48-, chmn. dept. psychol. found. & serv. 57-65. U.S.A.A.F., 42-45. AAAS; fel. Psychol. Asn; Psychomet. Soc.(pres, 53); Statist. Asn; Nat. Acad. Ed. Test of intelligence and aptitude; psychology of learning; personnel psychology. Publ: Personnel selection; Measurement and evaluation in psychology and education; 10,000 careers. Address: Teachers College, Columbia University, New York, N.Y. 10027.

THORNE, DR. D(ENNIS) EUGENE, b. Reno, Nev., Apr. 29, 34; m. 60; c. 1. PSYCHOLOGY. B.S. Brigham Young, 62; M.A. Utah, 65, Ph.D.(clin. psychol.), 66. Chemist, Kennecott Copper Corp, Utah, 61-62; trainee clin. psychol. Patton State Hosp, Calif, 64; U.S. Vet. Admin. Hosp. Salt Lake City, 64-66; ASST. PROF. PSYCHOL. BRIGHAM YOUNG, 66- Instr. Utah, 65-66. Behav. modification ther. consult, Utah State Ment. Hosp. 66-; clin. psychol. consult, Uintah Ment. Hygiene Clin, 67-; Sanpete County Ment. Hyg. Clin, 67- U.S.A.F., 51-55. Dipl. Am. Bd. Exam. Psychol. Hypnosis, 68. Assoc. Psychol. Asn; assoc. Soc. Clin. & Exp. Hypnosis. Behavior modification therapy; sexual deviancy, theory and therapy; hypnosis theory and therapy; personality theory; traditional psychotherapy systems; theory of abnormal or psychopathological behavior. Publ: Is the hypnotic trance necessary...?, J. Abnorm. Psychol., 6/67; co-auth. The use of hypnosis to minimize anchor effects, J. Exp. Psychol., (in press); auth. Hypnotist and manner of presentation effects on a standardized hypnotic susceptibility test, J. Consult. Psychol., (in press). Address: Dept. of Psychology, Brigham Young University, Provo, Utah 84601.

THORNHILL, PROF. JACK N(EWTON), b. Ellwood City, Pa., Mar. 14, 19. ECONOMICS. B.A. Wittenberg, 49; M.Litt. Pittsburgh, 50; Ph.D.(econ), La. State, 61. Labor economist wage surv. bur. labor statist. U.S. Dept. Labor, 51-53; sales engr. air conditioning, Ohio Fuel Gas Co, 53-57; instr. ECON. La. State, 57-60; asst. prof. La. Polytech, 60-62; assoc. prof. Lamar State Col, 62-63; PROF. La. Polytech, 63-66; E. Carolina Col, 66-67; NORTH-EAST LA. STATE COL, 67- Summers, Ford Found. grants, Oklahoma, 63 & Indiana, 64; Gen. Elec. Found. grant, Virginia, 66. Ord. Dept, 41-45, Sgt. Econ. Asn. Labor economics, especially collective bargaining and industrial relations. Publ: Strikes in the plastics industry; Wage rates and fringe benefits in the plastics industry. Address: 1600 Erin, Apt. 102, Monroe, La. 71201.

THORNTON, DANIEL MCCARTY, Phys. Chem, see 11th ed, Phys. & Biol. Vols.

THORNTON, DR. G(ERALD) B(LYTH), b. Orillio, Ont., Jan. 25, 26; m. 65; c. 2. PSYCHOLOGY. B.A.Sc. Toronto, 47, M.A.Sc. 48, Ph.D.(psychol.), 57. Sci. officer human eng. Defence Res. Med. Labs, Defence Res. Bd. Can. 50-56; lectr. PSYCHOL. TORONTO, 56-60, asst. prof. 60-65, ASSOC. PROF. 65-AAAS; Am. Psychol. Asn; Can. Psychol. Asn. Visual processes and perception; conditioning and learning. Publ: Co-auth. A guide to factors affecting radar operator efficiency, Defence Res. Bd. Can, 53; auth. EMG changes in a retroaction experiment using a perceptual motor task, 59, & co-auth. Interaction between proaction and retroaction in short-term retention, 59, Can. J. Psychol. Address: Dept. of Psychology, University of Toronto, Toronto, Ont. Can.

THORNTON, DR. GIVENS L, b. Detroit, Mich., Oct. 20, 21; m. 47; c. 3. PSYCHOLOGY. B.A. Mich. State, 47; M.A. Denver, 51, Ph.D.(psychol.), 53. ASSOC. PROF. PSYCHOL. GRINNELL COL, 53- Fulbright sr. lectr. Delhi, 63-64. Expert consult, field selection officer, Peace Corps, D.C. 66- U.S.A., 42-46, Capt. Psychol. Asn; Nat. Coun. Measurement in Ed. Academic motivation; developmental psychology. Address: Dept. of Psychology, Grinnell College, Grinnell, Iowa 50112.

THORNTON, DR. JACK EDWARDS, b. Philadelphia, Pa., June 22, 16; m. 42; c. 4. BUSINESS ADMINISTRATION. B.S. North Carolina, Chapel Hill, 39, M.S. 61, Ph.D.(bus. admin), 67. Instr. ins. econ. North Carolina, Chapel Hill, 58-62; asst. prof. CORP. FINANCE ECON, THE CITADEL, 62-67, ASSOC. PROF. 67- U.S.N.R., 41-46, Lt. Econ. Asn. Finance; insurance; stock dividend payments; life insurance taxation. Address: The Citadel, Charleston, S.C. 29409.

THORNTON, DR. JUDITH GROUSE, b. Kansas City, Mo., Oct. 17, 35; m. 61. ECONOMICS. B.A. Vassar Col, 56; univ. fel. Radcliffe Col, 56-57, Owen D. Young fel, 57-58, M.A. 58, Am. Asn. Univ. Women fel, 58-59, Ford Found. grant, 59-60, Ph.D.(econ), 60. Asst. prof. ECON, Syracuse, 60-61; WASHINGTON (SEATTLE), 61-66, ASSOC. PROF. 66- Econ. Asn; Asn. Adv. Slavic Studies. Analysis of the economy of the Soviet Union; industrial organization. Publ: Executive compensation and how it is determined. Address: Dept. of Economics, University of Washington, Seattle, Wash. 98105.

THORNTON, DR. SANDRA WINTERBERGER, b. Binghamton, N.Y., Dec. 24, 35; div; c. 1. POLITICAL SCIENCE. B.A. Vermont, 58; univ. fel. Georgetown, 58-59, Nat. Defense Ed. Act. fel, 60-62, Ph.D.(govt), 64. From instr. to asst. prof. SOCIOL. GA. INST. TECH, 62-67, ASSOC. PROF. 67- Vis. assoc. prof. polit. sci. Emory, summer, 67; Georgia, 67-68. Polit. Sci. Asn; Asn. Adv. Slavic Studies. Politics and governments of the communist bloc, with particular interest to foreign policy and political ideology. Address: Dept. of Social Science, Georgia Institute of Technology, Atlanta, Ga. 30332.

THORNTON, DR. THOMAS E(LTON), b. Stewartville, Mo., June 16, 24; m. 52; c. 4. PSYCHOLOGY. A.B. Missouri, 52; M.S. Miami (Fla.), 54; Ph.D.(psychol.), Northwestern, 58. Chief psychologist, Lake County Ment. Health Clin, Waukegan, Ill, 58-63; staff psychologist, VET. ADMIN. HOSP. CORAL GABLES, 63-65, TRAINING COORDINATOR, 65-, ASST. CHIEF PSYCHOLOGIST, 67- U.S.N., 43-46. AAAS; Psychol. Asn; Soc. Proj. Tech. Assessment of the reliability and validity of psychological tests and of behavior modifica-

tion techniques. Publ: Co-auth. Ammons and Wechsler test performances of college and psychiatric subjects, J. Clin. Psychol., 54, A note on the Ammons FRPVT as a screening device for college students, Psychol. Reports, 55 & The FRPVT compared with two short forms of the Wechsler scale, J. Ed. Res., (in press). Address: 7450 S.W. 140 Dr, Miami, Fla. 33158.

THORNTON, DR. THOMAS PERRY, Int. Rels, see 10th ed, Soc. & Behav. Vols.

THOROGOOD, PROF. JAMES EDWARD, Econ, see 10th ed, Soc. & Behav. Vols., deceased 66.

THORP, DR. WILLARD L(ONG), b. Oswego, N.Y., May 24, 99; m. 47. ECONOMICS, INTERNATIONAL RELATIONS. A.B. Amherst Col, 20, LL.D., 49; A.M. Michigan, 21, LL.D., 60; Ph.D. Columbia, 24; LL.D. Marietta Col, 35, Albright Col, 50, Massachusetts, 60. Instr. econ. & soc. insts, Amherst Col, 21-22, prof. econ, 26-34; chmn. adv. coun. Nat. Recovery Admin, 34-35; dir. econ. res. Dun & Bradstreet, Inc, 35-45, ed. Dun's Rev, 35-50; dep. to U.S. Asst. Secy. State for Econ. Affairs, 45-46, Asst. Secy. State for Econ. Affairs, 46-52; prof. ECON, AMHERST COL. & dir. Merrill Center Econ, 52-65, acting pres, 57, EMER. PROF., 65- Chief statistician, State Bd. Housing, N.Y., 25-26; mem. res. staff, Nat. Bur. Econ. Res, 23-33, dir, 56-; U.S. Bur. For. & Domestic Commerce, 33-34; adv. U.S. Secy. Commerce, 39-40; acting alternate gov. Int. Bank & Int. Monetary Fund, 49; chief UN Econ. Surv. Mission, Cyprus, 60; President's Spec. Econ. Mission, Bolivia, 61. Trustee, Assoc. Gas & Elec. Corp., 40-46, Amherst Col, 42-48, 49-55. Mem. Soc. Sci. Res. Coun; Nat. Cmn. Money & Credit, 58-61; dir. For. Bondholders Protective Coun, 58-63; chmn. develop. assistance cmt, Orgn. Econ. Coop. & Develop, 63-67; fel. Coun. For. Rels, 68- U.S. rep. UN Econ. & Soc. Coun, 47-50. U.S.A., 18, Lt. Econ. Asn.(v-pres, 35); Statist. Asn. (pres, 47); Finance Asn. International economic policy and relations; economic development; business organization and anti-trust regulation. Publ: Trade, aid, or what?; co-auth. New inflation; auth. Development assistance efforts and policies, Orgn. Econ. Coop. & Develop, Paris, pub. annually, 63-67. Address: Box 94, Station 2, Amherst, Mass. 01002.

THORPE, DR. DAVID M, b. Somerville, Tenn., Jan. 21, 08; m. 35; c. 4. AGRICULTURAL ECONOMICS. B.S.A. Tennessee, 32; M.P.A. Harvard, 51, Carnegie fel, 52-53, Nat. Cotton Coun. fel. & D.P.A., 56. Asst. county agent, AGR. EXTEN. SERV. TENNESSEE, 34-40, asst. supvr. agr. readjust, 40-46, asst. to dist. agent, 46-51, exten. economist & head ext. dept, 51-56, acting head dept. agr, 56-58, asst. dir. admin, 58-66, CHIEF PARTY, UNIV. TENNESSEE-INDIA PROG, 66- Econ. Asn. Public administration; agricultural economics. Address: Agricultural Extension Service, University of Tennessee, P.O. Box 1071, Knoxville, Tenn. 37901.

THORPE, DR. JOSEPH S(TEPHEN), Psychol, see 10th ed, Soc. & Behav. Vols.

THORPE, PROF. LOUIS P(ETER), b. Battle Creek, Mich., May 15, 93; m. 18; c. 1. EDUCATIONAL PSYCHOLOGY. A.B. Emmanuel Missionary Col, 25; A.M. Northwestern, 29, Ph.D.(ed. psychol.), 31. Prof. ed. Walla Walla Col, 31-36; private practice, Calif, 36-37; asst. prof. ed. SOUTHERN CALIFORNIA, 37-40, assoc. prof. 40-45, PROF. ED. & PSYCHOL, 45-, dir. psychol. clin, 42-44. Consult, Nat. Music Educators Conf. Mem. World Fedn. Ment. Health; Int. Coun. Psychologists. Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.N., 17-19. Fel. Psychol. Asn; Coun. Measurement in Ed. Measurement of personality; vocational interest and musical aptitude. Publ: Child psychology and development; The psychology of mental health; Personality: an interdisciplinary approach. Address: School of Education, University of Southern California, Los Angeles, Calif. 90007.

THORSELL, DR. BERNARD ALAN, b. Chicago, Ill., Aug. 11, 23; m. 52; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.S. Illinois, 49, M.A. 55, Ph.D.(sociol. & soc. psychol), 58. Asst. prof. sociol. State Univ. N.Y. Col. Ed.(Buffalo), 55-58; Humboldt State Col, 58-59; human factors scientist, Syst. Develop. Corp, 59-62; opers. res. assoc. Lockheed Aircraft Corp, 62-63; asst. prof. SOCIOL. SAN FERNANDO VALLEY STATE COL, 63-67, ASSOC. PROF. 67-, V.CHMN. DEPT, 68- Asst. prof. Los Angeles State Col, 60-63. Consult, Golden State Community Ment. Health Center, Pacoima, 66-67. U.S.N., 43-46. AAAS; Fel. Sociol. Asn; assoc. Psychol. Asn. Analysis of human values; social psychological theory; personality and society; deviant behavior; group structure and processes. Address: 20725 Ingomar St, Canoga Park, Calif. 91306.

THORSON, DR. DOUGLAS YOUNG, b. Winthrop, Minn., May 13, 33; m. 57; c. 3. ECONOMICS. B.A. Gustavus Adolphus Col, 55; M.A. Nebraska, 57; Ph.D.(econ), Wisconsin, 62. Asst. prof. ECON, BRADLEY, 60-66, ASSOC. PROF. 66- Guggenheim fel, Harvard, 66-67. Econ. Asn; Nat. Tax Asn. The evolution of progressive taxation. Publ: An analysis of the sources of controversy over the tax treatment of family income, Nat. Tax J., 6/65. Address: Dept. of Economics, Bradley University, Peoria, Ill. 61606.

THORSON, DR. JOSEPH M(ARIA), b. Vienna, Austria, Aug. 25, 15; m. 52. ECONOMICS. LL.M. Univ. Lwow, Poland, 39; M.A. Seton Hall, 57; Ph.D. (econ), Indiana, 64. Secy. consul gen, Polish Consulate, Russia, 41-42; supvr. personnel, Klinger's Mfg. Co, London, 49-51; asst. Great Atlantic & Pac. Tea Co, 51-58; personnel mgr, Hicks Corp, 58-59; off. mgr. Am. Parbld. Div, Nat. Starch & Chem. Corp, 59-60; asst. prof. econ. & chmn. dept. indust. mgt. & econ. W.Va. Inst. Tech, 60-62; teaching assoc. Indiana, 62-64; assoc. prof. int. econ. & bus, Southern Illinois, 64-66; prof. bus. admin, Cornell, 66-68, chmn. div. econ. & bus. & acting dean col. lib. & fine arts, Univ. Liberia, Cornell-U.S. Agency Int. Develop. contract, 66-68; PROF. ECON. & BUS. ADMIN. & CHMN. DEPT, WEST CHESTER STATE COL, 68- Instr. Seton Hall, 56-58; Asheville-Biltmore Col, 58-60. Consult, Rowbotham Metal Fabricators, Inc, Pa, 60- Mem. doctoral cmt. eval. candidates thesis, faculty commerce, Poona, 68- With British & Polish Army, 43-48, Lt. Soc. Adv. Mgt; Acad. Polit. & Soc. Sci; Econ. Asn; American investment in Latin America after the World War II. Publ: Poland's international trade, 1946-1963, Am. Economist, 12/65; Foreign trade pricing in a Soviet-type economy, Bus. Horizon, spring 66. Address: Dept. of Economics & Business Administration, West Chester State College, West Chester, Pa. 19380.

THORSON, DR. THOMAS L(ANDON), b. La Porte, Ind, Jan. 30, 34; m. 57; c. 1. POLITICAL SCIENCE. A.B. Indiana, 56, M.A. 58; M.A. Princeton, 59, Ph.D.(polit. theory), 60. Acting instr. polit. sci, Wisconsin, 59-60, instr. 60-61, consult, inst. world affairs ed, 60-61, asst. prof. POLIT. SCI, 61-63, assoc. prof, 63-66; ASSOC. PROF, TORONTO, 66- Rockefeller vis. prof, Philippines, 65-66. AAAS; Polit. Sci. Assn. Philosophy of science; political philosophy; political theory. Publ: Logic of democracy; Politics in four dimensions, Holt, 68; Epilogue on absolute majority rule, J. Polit. Address: Dept. of Political Economy, University of Toronto, Toronto, Ont, Can.

THRALL, PROF. ROBERT M(cDOWELL), Math, see 11th ed, Phys. & Biol. Vols.

THRALLS, PROF. ZOE A(GNES), Geog, see 10th ed, Soc. & Behav. Vols, deceased 65.

THROOP, DR. VINCENT MEDVILLE, b. Newark, N.J, June 11, 09; m. 40; c. 5. GEOGRAPHY, URBAN PLANNING. B.S. Syracuse, 32, M.S. 34; Ph.D, Chicago, 48; U.S. Dept. Agr. Grad. Sch, 51-52. Asst. State Planning Bd, N.Y., 34-35; jr. geogr. Tenn. Valley Authority, 35-36, 37; soil survr, U.S. Soil Conserv. Serv, 36; econ. geogr. Nat. Resources Planning Bd, 39-41; asst. coordinator irrigation planning, bur. reclamation, U.S. Dept. Interior, 41-44, chief regional develop, 44-46, asst. chief progs. & reports, 46-48; area statist. chief, bur. census, U.S. DEPT. COMMERCE, 48-61, prog. analyst, area redevelop. admin, 61-65, CHIEF QUALIFICATION DIV, ECON. DEVELOP. ADMIN, 65- Asn. Am. Geog. Statist. Assn; Pop. Asn. Am. Planning at national, state and project levels in land and water development; urban geography, particularly area and extent of metropolitan areas; design of statistical reporting areas or units. Address: 16 Delaware Dr, Forest Heights, Washington, D.C. 20021.

THROWER, PROF. NORMAN JOSEPH WILLIAM, b. Crowthorne, Eng, Oct. 23, 19; nat; m. 47; c. 3. GEOGRAPHY, CARTOGRAPHY. B.A. Virginia, 53; Knapp fel, Wisconsin, 53-54, M.A. 55, univ. fel, 55-57, Ph.D. 58. Asst. prof. GEOG, CALIFORNIA, LOS ANGELES, 57-61, assoc. prof, 62-66, PROF, 66- Guggenheim fel, 64. Asn. Am. Geog. cor. mem. Int. Geog. Union. Cartography air photo interpretation; physical and cultural geography, especially of northwestern Europe. Publ: Original survey and land subdivision, Rand McNally, 66; ed, Man's domain: a thematic atlas of the world, McGraw, 68; auth. The art and science of navigation in relation to geographical exploration before 1900, In: Pac. Basin, Am. Geog. Soc, 67. Address: Dept. of Geography, University of California, Los Angeles, Calif. 90024.

THURING, PROF. GEORGE LEWIS, Indust. Eng, see 11th ed, Phys. & Biol. Vols.

THUMA, DR. B(URTON) D(OAN), b. Cincinnati, Ohio, June 21, 02; m. 28; c. 2. PSYCHOLOGY. B.S. Michigan, 23, M.S. 24, Ph.D.(psychol), 30. Instr. psychol, Michigan, 28-31, asst. prof, 31-39, assoc. prof, 39-48, prof, 48-67, assoc. dean, 51-67; RETIRED. U.S.N.R, 43-45. Sensory physiology; comparative psychology; perception. Address: Dept. of Psychology, University of Michigan, Ann Arbor, Mich. 48104.

THUMIN, DR. FREDERICK J(OE), b. St. Louis, Mo, Jan. 9, 28; m. 65; c. 3. PSYCHOLOGY. B.A. Washington (St. Louis), 51, M.A. 56, Ph.D.(psychol), 57. Res. supr. PSYCHOL, Gardner Advert. Co, 57-60; asst. prof, St. Louis, 60-61; Washington (St. Louis), 61-65, assoc. prof, 65-66, dir. counseling psychol, 61-66; ASSOC. PROF. PSYCHOL, MISSOURI, ST. LOUIS, 66- Consult, 61- U.S.N. 46. Psychol. Asn. Industrial psychology; modifications in ability and performance as a function of chronological age. Address: 9718 Litzinger Rd, St. Louis, Mo. 63124.

THUMM, PROF. GAROLD W(ESLEY), b. Pinch, W.Va, Sept. 22, 15. POLITICAL SCIENCE. A.B. Morris Harvey Col, 40; M.A. Pennsylvania, 47. Penfield scholar, 49-50, Ph.D.(polit. sci), 54. Instr. polit. sci, Pennsylvania, 47-54, asst. prof, 54-61; PROF. GOVT. & CHMNM. DIV. SOC. SCI, BATES COL, 61- Vis. prof, Nat. War Col, 66-68. U.S.A. 41-46, 51-53, Maj. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. International politics; comparative government; American national government; political theory. Publ: Co-ed, The challenge of politics; contrib, Current history; co-ed, Parties and the governmental system, Prentice-Hall, 67. Address: Division of Social Sciences, Bates College, Lewiston, Maine 04240.

THUNE, DR. LELAND E(DGAR), b. Oaksdale, Wash, June 7, 19; m. 44, 62; c. 3. EXPERIMENTAL PSYCHOLOGY. B.S. Col. Puget Sound, 41; M.A. Iowa, 42, fel, 47-48, Ph.D.(exp. psychol), 48. Asst. prof. PSYCHOL, VANDERBILT, 48-52, assoc. prof, 52-58, PROF, 58- ASSOC. DEAN GRAD. SCH, 66- Summers, sr. res. scientist, HumRRO, George Washington, 53-55. Consult. Vet. Admin. Clin. Psychol. Training Prog, 55- Chmn, State Bd. Exam. Psychol, Tenn, 54-55. U.S.A. 42-46. Psychol. Asn; Psychonomic Soc. Retroactive inhibition in human learning; 'set' in human learning; experimental design; psychoacoustics and signal detection theory and methodology. Address: Dept. of Psychology, Vanderbilt University, Nashville, Tenn. 37203.

THUR, PROF. OTTO EDWARD, b. Darda, Hungary, Aug. 1, 28; m. 55. ECONOMICS. B.A. St. Stephen Col, Hungary, 47; M.A. Louvain, 52 & 54. Asst. bus. cycles, inst. econ. & soc. res, Louvain, Belgium, 52-56, res. dir, 56-59; asst. prof. SOC. SCI, MONTREAL, 59-60, assoc. prof, 60-66, PROF, 66- CHMNM. DEPT. ECON. & ASSOC. DEAN FACULTY SOC. SCI, 67- Lectr. Int. Univ. European Studies, Luxembourg, 59; vis. prof, Laval, 62-67. Consult, Ministry Indust. & Commerce, Que, 61-; econ. adv. Can. Corp. for 1967 World Exhibition, 66-68; consult, Soc. Sci. Res. Coun. Can, 67-; Killam Cmt, Can. Coun, 67- Ed, Can. Econ. Outlook-Conjoncture Economique Canadienne, 63- Can. Econ. Asn; Can. Soc. Econ. Sci. Business cycles; theory and diagnosis; comparative economic systems and policies. Address: 3655 Ridgewood Ave, Apt. 504, Montreal 26, Que, Can.

THURBER, PROF. CLARENCE E, b. Nampa, Idaho, Sept. 16, 21; m. 47; c. 4. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. A.B. Stanford, 43, Ph.D. 61. Mem. res. & anal. br. off. strategic serv, 45; secretariat, U.S.

Dept. State, 45-46; res. assoc. int. studies group, Brookings Inst, 47-51; prog. asst, overseas develop. prog, Ford Found, 52-54, prog. assoc. int. training & res. prog, 54-62; assoc. prof. polit. sci. & pub. admin, Pa. State, 62-66; PROF. INT. & PUB. AFFAIRS & DEP. DIR. INST. INT. STUDIES & OVERSEAS ADMIN, OREGON, 66- Consult, pub. admin. clearing house, D.C. 47, 51; Hoover Cmn. For. Affairs Task Force, 48; Int. Coop. Admin, 58; President's Task Force For. Aid, Agency Int. Develop, 61. Polit. Sci. Asn; Soc. Pub. Admin; Latin Am. Studies Asn; Soc. Int. Develop. American foreign policy and administration; international and comparative administration; Latin American studies; administration in crosscultural environments. Publ: Problem of training Americans for service abroad in United States government technical cooperation programs; Training foreign administrators, Int. Develop. Rev; co-auth, Training for specialized mission personnel. Address: Institute of International Studies & Overseas Administration, University of Oregon, Eugene, Ore. 97403.

THURBER, PROF. HARRIS E(LLIOT), b. Orleans, Vt, July 30, 20; m. 47; c. 3. POLITICAL SCIENCE. A.B. Vermont, 43, M.A. 48, Ph.D. Princeton, 55. Instr. POLIT. SCI, MIDDLEBURY COL, 47-49, 51-55, asst. prof, 55-58, assoc. prof, 58-67, PROF, 67- U.S.A. 43-46, Res. 46- Lt. Col. Polit. Sci. Asn. American and comparative government. Address: 14 Elm St, Middlebury, Vt. 05753.

THURBER, DR. JOHN H, Speech, Commun, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

THURLOW, PROF. WILLARD R(OWAND), b. New York, N.Y, Sept. 5, 18; m. 45; c. 3. PSYCHOLOGY. A.B. Brown, 39; A.M. Princeton, 41, Ph.D. (psychol), 42. Psychologist, div. war res, California, 43-44; Columbia, 44-45; instr. PSYCHOL, Missouri, 45-46, asst. prof, 46-62; Virginia, 46-52; WISCONSIN, 52-54, assoc. prof, 54-58, PROF, 58- U.S.A. 42-43. Fel. AAAS; fel. Psychol. Asn; Psychonomic Soc; Acoustical Soc. Experimental psychology; hearing theory and tests; selection and training of personnel. Publ: Perception of low auditory pitch, Psychol. Rev, 63; co-auth, Some new hypotheses on the mediation of loudness judgments, Perception & Psychophys, 67; Head movements during sound localization, J. Acoustical Soc. Am, 67. Address: Dept. of Psychology, University of Wisconsin, Madison, Wis. 53706.

THURSBY, PROF. VINCENT V(ICTOR), b. Akron, Ohio, Feb. 20, 18; m. 43. POLITICAL SCIENCE. A.B. Vanderbilt, 42, A.M. 47; Ph.D.(polit. sci), Virginia, 50. Asst. prof. POLIT. SCI, Bucknell, 49-50; assoc. prof, FLA. STATE, 50-53, PROF, 53- ASSOC. GRAD. DEAN, 68- asst. dean grad. sch, 65-68. U.S.A.A.F, 42-45. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Political theory; comparative government; intergovernmental relations. Publ: Interstate cooperation, a study of the interstate compact, Pub. Affairs Press, 53; co-auth, Impact of federal grants-in-aid on the structure and functions of state and local governments, U.S. Govt. Printing Off, 55; Federal grant-in-aid programs in Florida, Inst. Govt. Res, Fla. State Univ, 64. Address: Dept. of Government, Florida State University, Tallahassee, Fla. 32306.

THURSTON, PROF. JOHN R, b. Eau Claire, Wis, Apr. 6, 24; m. 52. PSYCHOLOGY. B.A. Wisconsin, 49, M.A. 50; Ph.D. Iowa, 53. Clin. psychologist, Vet. Admin. Hosp, Madison, Wis, 53-57; psychologist, Rohrer, Hibler & Replegie, 57; from asst. prof. to PROF. PSYCHOL, WIS. STATE, EAU CLAIRE, 58- Chief clin. psychologist, Eau Claire County Guid. Clin, 57-58; prin. investr, Eau Claire County Youth Study, 60- Consult, Luther Hosp. Sch. Nursing, Eau Claire, 58-68. Psychol. Asn. Personality test construction and validation; psycho-social factors related to classroom behavior and juvenile delinquency; prediction of success in nursing education; empathy test construction. Publ: Co-auth, The relationship of personality to achievement in nursing education, Nursing Res, 65; Delinquency proneness and classroom behavior, Criminologica, 67; The empathy inventory, Nursing Outlook, 67. Address: Dept. of Psychology, Wisconsin State University, Eau Claire, Wis. 54701.

THURSTONE, PROF. THELMA GWINN, b. Hume, Mo, Dec. 11, 97; m. 24; c. 3. PSYCHOLOGY. A.B. Missouri, 17, B.S. 20; A.M. Carnegie Inst. Tech, 23; Ph.D. Chicago, 26. Test ed, Am. Coun. Ed, 24-48; dir. div. child study, pub. schs, Chicago, 48-52; PROF. ED, NORTH CAROLINA, CHAPEL HILL, 52-, dir. psychomet. lab, 55-57, dir. div. spec. ed, 67-68. Instr, Chicago Teachers Col, 39-43; vis. prof, Frankfurt, 48; specialist in eval, Kabul, Afghanistan, 61. Psychol. Asn; Psychomet. Soc. Factor analysis of mental abilities; test construction; human engineering. Publ: Reading for understanding; Learning to think; Tests of primary mental abilities. Address: Psychology Lab, University of North Carolina, Chapel Hill, N.C. 27514.

THWEATT, DR. ROGER CLAY, b. Shreveport, La, May 7, 30; m. 50; c. 3. PSYCHOLOGY. B.A. Denver, 52; M.A. Montana, 56; Ph.D.(sch-clin. psychol), Mich. State, 61. Staff psychologist, reading clin, Mich. State, 59-60; Pub. Schs, Mich, 60-61; asst. prof. PSYCHOL, West. State Col. Colo, 61-63; ASSOC. PROF, NORTHERN ARIZONA, 63- Staff psychologist, Winslow Ment. Health Clin, Ariz, 64-; Coconino County Ment. Health Clin, 64- Consult, Navajo Training Res. Proj, 64-67; Prescott Ment. Health Clin, Ariz, 66-67; North. Ariz. Suppl. Ed. Center, 67- U.S.A. 53-55, 1st Lt. AAAS; Psychol. Asn; Soc. Clin. Hypnosis. Development and validation of defensive suppression scales in psychometry; sensory and perceptual variables in organic brain syndromes. Publ: Development and validation of a K scale, U.S. Off. Health, Ed. & Welfare, 67; co-auth, Mental health and emotional stability, Ariz. Acad, 68; auth, Prediction of school learning disabilities through the use of the Bender Gestalt test, J. Clin. Psychol, 63. Address: Dept. of Psychology, Box 5891, Northern Arizona University, Flagstaff, Ariz. 86001.

THWEATT, DR. WILLIAM HENRY, b. Shreveport, La, July 25, 25; m. 44; c. 2. PSYCHOLOGY. B.A. La. Col, 45; B.D. South. Baptist Theol. Sem, 48, Th.D. 54; Ph.D.(counseling psychol), Mich. State, 64. ASST. PROF. PSYCHOL. & COUNSELING PSYCHOLOGIST, ARIZONA, 63- Consult, Tucson Child Guid. Clin, 65-66; Tucson Police Dept, 67- U.S.N. 44. Psychol. Asn; Personnel & Guid. Asn. Crises intervention therapy; leadership on college campus; personnel selection of policemen. Address: Dept. of Psychology, 213W Psychology Bldg, University of Arizona, Tucson, Ariz. 85721.

- THWEATT, PROF. WILLIAM O(LIVER), b. Brooklyn, N.Y., June 4, 21; m. 47; c. 2. ECONOMICS. B.S. California, Los Angeles, 46, M.A., 49; Ford Found. scholar, Oxford, 53-55, univ. fel., 54-55, B.Phil., 55. Asst. prof. bus. admin. & econ, George Pepperdine Col., 49-50; econ. theory, American Univ., Beirut, 50-53; Montana State, 55-56; grad. prog. econ. develop, Vanderbilt, 56-58; econ. adv. Int. Coop. Admin. U.S. Opers. Mission, Nepal, 58-60; Ford Found. tax & fiscal adv. to Ministry of Econ. Affairs, 60-63; ASSOC. PROF. ECON. & ASST. DIR. GRAD. PROG. ECON. DEVELOP, VANDERBILT, 63-, chief party, Vanderbilt-Brazil Prog. Grad. Econ, Brazil, 66-69. U.S.N.R., 42-45, Lt.(jg). Economic theory and development; history of economic thought. Publ: The concept of elasticity and the growth equation, Taplinger, 61; Distribution and economic growth, Am. J. Econ. & Soc. Economic development with limited supplies of labor, J. Developing Areas, 4/68. Address: Dept. of Economics & Business Administration, Vanderbilt University, Nashville, Tenn. 37203.
- THYSELL, DR. RICHARD V(ERDEN), b. Minot, N.Dak., June 28, 37; m. 60. PSYCHOLOGY. B.A., Montana, 59; Nat. Sci. Found. fel., Iowa, 61-63, M.A., 62, Ph.D.(psychol.), 63. Asst. prof. psychol, WATERLOO, 63-67, ASSOC. PROF. PSYCHOL. & MATH, 67- Res. grants, Dept. of Nat. Health & Welfare, 65-66 & Med. Res. Coun. Can, 65- AAAS; Am. Psychol. Assn; Can. Psychol. Assn. The effects of feedback on the control of autonomic responses and on the control of single motor units in striated muscle. Publ: Co-auth, Heart rate response as a function of shock intensity, Psychonomic Sci, 66. Address: Dept. of Psychology, University of Waterloo, Waterloo, Ont., Can.
- TIAO, PROF. GEORGE CHING-HWUAN, b. London, Eng., Nov. 8, 33; m. 58; c. 4. STATISTICS. B.A., Taiwan, 55; M.B.A., N.Y. Univ., 58; Ph.D.(econ), Wisconsin, 62. Asst. prof. STATIST, WISCONSIN, 62-65, assoc. prof., 65-68, PROF. 68- Vis. assoc. prof. bus. sch., Harvard, 65-66. Am. Statist. Assn; Inst. Math. Statist; Royal Statist. Soc. Theory of statistical inference; time series analysis; econometric methods. Publ: Multiparameter problems from a Bayesian point of view, Ann. Math. Statist, 65; co-auth, A change in level of a non-stationary time series, 65 & auth, Bayesian comparison of means of a mixed model, 66, Biometrika. Address: Dept. of Statistics, University of Wisconsin, Madison, Wis. 53706.
- TIBBITTS, CLARK, b. Chicago, Ill., Jan. 26, 03; m. 28; c. 3. SOCIOLOGY. B.S., Ill. Inst. Tech., 24; Chicago, 24-30. Asst. President's Res. Cmt. Soc. Trends, 28-32; instr. sociol, Wisconsin, 32; Michigan, 32-34; res. coordinator, Fed. Emergency Relief Admin., 34-35; field dir. nat. health surv., U.S. Pub. Health Serv., 35-38; dir. inst. human adjust, Michigan, 38-49, lectr. statist, 38-45; asst. chief div. pub. health methods, Fed. Security Agency, 49-52, chmn. cmt. aging, DEPT. HEALTH, ED. & WELFARE, 52-56, dep. dir. spec. staff aging, 56-59, chief prog. planning, 59-62, dep. dir., 62-65, CHIEF TRAINING GRANT PROG, ADMIN. ON AGING, 65- Proj. lectr., American Univ., 57-62; George Washington, 62- Medal of merit, Pan-Am. Geront. Cong, 56; superior serv. award, U.S. Dept. Health, Ed. & Welfare, 62. Sociol. Assn; Geront. Soc. Criminology, social change; health and medical care; social gerontology. Publ: Handbook of social gerontology; co-auth, Aging in today's society & Politics of age. Address: 4105 Montpelier Rd, Rockville, Md. 20853.
- TIBBITTS, DR. HELEN G(RIFFIN), b. Portland, Ore., Oct. 14, 06; m. 28; c. 3. SOCIOLOGY. B.A., Reed Col., 27; M.A., Chicago, 30, Ph.D.(sociol), 68. Res. analyst mkt, Chicago Daily News, 28-29; employ. studies, Fed. Emergency Relief Admin., 34-35; health survs, U.S. Pub. Health Serv., 35-37; housing of aged, Ann Arbor Coun. Soc. Agencies, 46-47; dir. pub. health statist, State Bd. Health, Ore., 47-49; statist. analyst nursing studies, U.S. Pub. Health Serv., 49-53; health resources, Off. Defense Mobilization, 53-57; exec. secy, nursing res. study sect, DIV. RES. GRANTS, NAT. INSTS. HEALTH, 57-65, mem. staff, Bur. Census, 65-66, EXEC. SECY, BEHAV. SCI. FEL. REV. CMT. & BIO-STATIST. FEL. REV. CMT., 66- AAAS; Sociol. Assn; Statist. Assn; Pub. Health Assn; Soc. Appl. Anthropol; Pop. Assn. Am. Assessment of empirical support for organizational theory; linkage of ecological and political systems. Address: Career Development Review Branch, Division of Research Grants, National Institutes of Health, Westwood Bldg, Room 320, 5333 Westbard Ave, Bethesda, Md. 20014.
- TICE, DR. F(REDERICK) GORDON, b. Roanoke, Va., June 17, 13. PSYCHOLOGY. B.S., Virginia, 36, M.A., 39, Du Pont fel. & Ph.D.(psychol), 41. Instr. psychol, Hollins Col., 41-42; chief psychologist, Third Serv. Command, U.S. Army Induction Sta., Va., 42; sr. adv. & guid. officer & asst. chief test tech. & construct. div, Vet. Admin., 46-52, counseling psychologist, 52-64; COUNSELING PSYCHOLOGIST, 64- U.S.A.A.F., 42-46. Psychol. Assn. Clinical research and personality analysis; personal counseling. Publ: Individual differences in fusion frequency correlated with other visual processes, Armed Forces-Nat. Res. Coun. Vision Cmt. Proc. Address: 1474 Columbia Rd. N.W., Apt. 7, Washington, D.C. 20009.
- TICHENOR, DR. PHILLIP J, b. Sparta, Wis., July 31, 31; m. 56; c. 3. MASS COMMUNICATION, SOCIOLOGY. B.S., Wisconsin, 53, M.S., 56; Minnesota, 57-60; Ph.D.(mass commun. res), Stanford, 65. Instr. agr. journalism, MINNESOTA, MINNEAPOLIS, 56-62, asst. prof., 62-65, ASSOC. PROF. JOURNALISM & MASS COMMUN, 65-, SOCIOL, 67- Mem. Mich. State Univ.-Agency Int. Develop. Commun. Seminar, 66-68. Consult, Prince Edward Island Econ. Develop. Corp., 67. Pioneer award, Am. Asn. Agr. Col. Ed., 57. C.Eng., U.S.A., 53-55, Res., 55-61, 1st Lt. Asn. Pub. Opinion Res; Asn. Ed. Journalism; Rural Sociol. Soc. Mass communication research, including survey research, media audiences and media gatekeepers. Publ: Co-auth, Editors and extension agents: how they view rural issues, In: Sociology of rural life series, Univ. Minnesota, 67; co-auth, Source success in placing messages in media, 67 & Powers status of community editors and reporting of conflict in local government, 68, Journalism Quart. Address: School of Journalism & Mass Communication, University of Minnesota, Minneapolis, Minn. 55455.
- TICKTON, SIDNEY G, b. Waltham, Mass., June 24, 11; m. 38; c. 3. ECONOMICS. A.B., Wayne State, 32; M.A., George Washington, 39; hon. LL.D., Keuka Col., 68. Asst. dir. res, U.S. Dept. Treas., 43-52; mgr. tech. serv., Seventh Co., 53-58; prog. assoc., Fund Adv. Ed., Ford Found., New York, 58-63;
- V. PRES. & TREAS, ACAD. ED. DEVELOP, INC, WASH, D.C., 63- Staff dir., State Cmt. Higher Ed., N.Y., 60; exec. dir., Study Instructional Tech., 68- Consult, dir., U.S. Savings Bond Div., U.S. Dept. Treas., 52- Mem. adv. cmt., Denver Res. Inst., 64-67. Trustee, Bulova Sch. Watch Making, 67- Econ. Assn. Economics of higher education and management of colleges and universities; administration of high education; long-range planning for schools, colleges, and universities. Publ: Co-auth, Teaching salaries then and now, 55; auth, Needed: a ten year college budget, 61; Teaching salaries then and now: a second look, 61. Address: 4701 Willard Ave, Chevy Chase, Md. 20015.
- TIDEMAN, DR. PHILIP L, b. Cokato, Minn., May 24, 26; m. 53; c. 4. GEOGRAPHY. B.A., Minnesota, 49; B.S., St. Cloud State Col., 51; M.A., Nebraska, 53, Ph.D.(geog), 67. Teacher, high sch., Minn. & Mont., 52-56; asst. prof. GEOG, St. Cloud State Col., 57-66; instr., WYOMING, 66-67, ASST. PROF., 67- U.S.N., 44-46. Asn. Am. Geog; Nat. Coun. Geog. Ed. Agricultural geography—the study of agricultural land use patterns and changes in these patterns since 1930. Publ: Co-auth, Atlas of Minnesota occupancy, Minn. Atlas Co., 61, rev. ed., 66; auth, An example of crop dynamics in Minnesota, Proc. Minn. Acad. Sci., Vol. 31, No. 5; co-auth, Minnesota, In: World Book Encyclop., 66. Address: 1203 W. Hill Rd, Laramie, Wyo. 82070.
- TIDWELL, PROF. SAM B(AILEY), b. Winona, Miss., Sept. 30, 21; m. 50; c. 2. ACCOUNTING. B.S., Bowling Green Col. of Commerce, 42; M.A., Peabody Col., 47. Prof. acct. & head dept., Miss. South. Col., 47-56; PROF. ACCT. & DIR. INST. ACCT. RES, MICHIGAN TECH., 56- Vis. prof. col. ed., Mich. State, 59. Summers, vis. prof., Illinois State, 62-64, 66; Colo. State Col., 67. Consult, Pub. Admin. Serv., Ill., 55-56; State Dept. Ed., Md., 61; Hawaii, 65; Mich., 65-67; Colo., 67; off. ed., U.S. Dept. Health, Ed. & Welfare. Publ: Public school fund accounting, Harper, 60; co-auth, Michigan community college accounting, dept. ed., State of Mich., 66; Public school accounting principles, off. ed., U.S. Dept. Health, Ed. & Welfare, 67. Address: Dept. of Accounting, Michigan Technological University, Houghton, Mich. 49931.
- TIEDEMAN, PROF. DAVID V(ALENTINE), b. Americus, Ga., Aug. 12, 19; m. 42. PSYCHOLOGY. A.B., Union Col., 41; M.A., Rochester, 43; univ. fcls., Harvard, 46-48, Milton fel., 48, Ed.M., 48, Sheldon traveling fel., 48-49, Ed.D. (ed. measurement), 49. Asst. dir. test construct. dept., col. entrance exam. bd., Princeton, 43-44; assoc. dir. statist. div., Manhattan proj., med. sch., Rochester, 44-46; instr. ED, HARVARD, 49-51, asst. prof., 51-52, lectr., 52-55, assoc. prof., 55-59, PROF., 59- Mem. panel counseling & selection, Nat. Manpower Adv. Cmt., 64-67; chmn. exec. cmt., Harvard-Needs-Newton Info. Syst. for Voc. Decisions, 66-69; cmn. tests, Col. Entrance Exam. Bd., 66-69. Psychol. Assn; Statist. Assn; Personnel & Guid. Assn; Coun. Measurement in Ed.(secy-treas, 55-58, v.pres, 61-62, pres, 62-63); Psychomet. Soc; Nat. Voc. Guid. Assn.(pres, 65-66). Computer based counseling systems; counseling and guidance psychology; vocational development; multivariate statistical analysis. Publ: Co-auth, Career development: choice and adjustment, Col. Entrance Exam. Bd., 63, Multivariate statistics for personnel classification, Wiley, 67 & Measurement for guidance, In: Handbook of measurement and assessment in behavioral sciences, Addison-Wesley, 68. Address: Graduate School of Education, Harvard University, Roy E. Larsen Hall, Appian Way, Cambridge, Mass. 02138.
- TIEDEMANN, DR. CLIFFORD E, b. Oak Park, Ill., June 30, 38; m. 60; c. 1. GEOGRAPHY. A.B., Illinois, 60; M.A., Oklahoma, 63; Ph.D.(geog), Mich. State, 66. ASST. PROF. GEOG, California, Los Angeles, 65-67; ILLINOIS, CHICAGO, 67- Asn. Am. Geog; Regional Sci. Assn. Analysis of geographic patterns. Address: Dept. of Geography, University of Illinois, Chicago Circle, Chicago, Ill. 60680.
- TIEDEMANN, DR. JOHN G(EOGE), b. Washington, D.C., Dec. 12, 27; m. 57; c. 1. PSYCHOLOGY. B.A., George Washington, 53, M.S., 54; Ph.D., American Univ., 61. Asst. mil. psychol, HumRRO, 52-53; clin. psychologist, Mansfield State Training Sch. & Hosp., Conn., 54-55; psychologist, pupil study & appraisal, D.C. Dept. Ed., 55-61; supv. res. psychologist, U.S. Army Behav. Sci. Res. Lab., 61-68; DIR. RES. BUR. PERSONNEL, U.S. POST OFF. DEPT., 68- Lectr., D.C. Teachers Col., 58-59. U.S.N., 46-48. Psychol. Assn. Learning theory; individual and group prejudice theory; correlates and determinants associated with vigilance performance; personnel selection and utilization in military combat systems. Publ: Investigation of the influence of group standards and deviate member behavior on the exhibited racial prejudice of an individual, Dissertation Abstracts; co-auth, Performance of goldfish in the maze situation with the utilization of temperature as motivation and its reduction as reinforcement, J. Genetic Psychol; Field study of vigilance under highway driving conditions. Address: 2938 McKinley St. N.W., Washington, D.C. 20015.
- TIEDKE, PROF. KENNETH E(ARLE) R(IORDAN), b. Neshkoro, Wis., Mar. 3, 11; m. 46; c. 2. ANTHROPOLOGY. B.A., Wisconsin, 38, fel., 38-39, M.A., 39; fcls., Columbia, 40-42; Soc. Sci. Res. Coun. fel., 46-47; Rockefeller fel., 50, 51. Psychologist, vet. advisement unit, Brooklyn Col., 45-46; prof. anthrop., Mich. State, 48-57; chief adv. community develop, U.S. Opers. Mission, Nepal, 57-66; PROF. ANTHROP. SOUTHAMPTON COL., LONG ISLAND, 66- Res. dir., Inter-Am. Inst. Agr. Sci., Havana, 53-55. Consult, U.S. Indian Serv; Mich. Archaeol. Soc; Indian Affairs, Governor of Mich. U.S.A.A.F., 42-46. AAAS; fel. Geog. Soc; fel. Anthropol. Assn; fel. Ethnol. Soc; Sociol. Assn; Soc. Appl. Anthropol; Acad. Polit. & Soc. Sci. Culture change; American Indian; technology; community analysis and man's adaption to his environment. Publ: A study of the Hannahville Indian Community, Menominee County, Michigan, Agr. Exp. Sta. Bull., Mich. State; co-auth, Community involvement, Glencoe, Illinois & A theory of social action. Address: Box 1103, Southold, N.Y. 11971.
- TIEGER, DR. MURRAY E(MANUEL), Psychol, see 10th ed, Soc. & Behav. Ties.
- TIELEMAN, PROF. ADRIAN, b. Cleveland, Ohio, June 7, 08; m. 34. PSYCHOLOGY. B.A., Cent. YMCA Col., 37; Th.B., North. Baptist Theol. Sem., 38; M.A., Northwestern, 38; Ph.D.(ed. psychol), Kansas, 45. Head dept. psychol. & ed., Ottawa (Kans), 39-42; asst. prof., Pittsburgh, 46-47; assoc. prof. PSYCHOL, Roosevelt, 47-50; PROF. & HEAD DEPT., LINFIELD COL,

- 50- U.S.A., 42-46. Psychol. Asn. Counseling. Publ: A recurring educational Shobboleth; Comic books and democracy. Address: Dept. of Psychology, Linfield College, McMinnville, Ore. 97128.
- TIELEMAN, MARIE**, b. Lorraine, Kans, Aug. 5, 06; m. 34. PSYCHOLOGY. B.A., Kans. Wesleyan, 28; M.A., Ohio State, 31; Northwestern, 39; Kansas, 40-42; Washington (St. Louis), 45. Teacher, high sch, Kans, 28-30; assoc. prof. eng. & hist. North. Baptist Theol. Sem, 32-37; Ottawa (Kans), 39-45; instr. psychol. & sociol, Pittsburgh, 46-47; Chicago Teachers Col, 47-50; Linfield Col, 53-54; prof. PSYCHOL, George Fox Col, 54-66; ASST. PROF., LINFIELD COL, 66- Vis. prof, California, Santa Barbara, 65-66. Psychol. Asn. Guidance and counseling; educational psychology; mental hygiene. Address: Dept. of Psychology, Linfield College, McMinnville, Ore. 97128.
- TIEMANN, ARTHUR E(DMUND)**, b. Boston, Mass, June 5, 18; m. 44; c. 3. STATISTICS. A.B. Harvard, 39. Econ. analyst, U.S. Bur. Census, 46-47; bus. specialist, Nat. Housing Admin, 47; statistician, off. indust. rels, U.S. Dept. Navy, 47-48, res. & statist. div, Off. Fiscal Dir, 48-50, head performance anal. br, off. comptroller, 50-58, assoc. dir. progress reports & statist, 58-62; head planning methods br, airports serv, Fed. Aviation Agency, 62-66; CHIEF STATIST. SERV. DIV, WORLD BANK, 66- Lectr, George Washington, 60- U.S.A., 41-46, Capt. Statist. Asn; Econ. Asn; Opers. Res. Soc. Management statistics for administrative use; weapon systems cost analysis; sampling; work measurement. Publ: Co-auth, What is a fair day's work, Personnel Admin, Capacity of airport systems in metropolitan areas, 1/66 & auth, Bayesian approach to forecasting loss of airline service, 11/66, Proc. Am. Soc. Civil Eng. Address: 9314 Harvey Rd, Silver Spring, Md. 20910.
- TIEMANN, DR. ERNEST FRED**, b. Lincoln, Kans, Dec. 23, 06; m. 29; c. 6. EDUCATIONAL PSYCHOLOGY. B.A., Concordia Teachers Col, 40; M.A., West. State Col, 44; D.Ed., Indiana, 51. Teacher, elem. sch, Nebr, 27-32; prin, Colo, 32-43; dir. instr. mat. center, Pueblo Jr. Col, 43-47; asst. prof. ed. & assoc. in circulation, audio visual center, Indiana, 47-51; assoc. prof. ed. psychol. & dir. visual instr. bur, 51-67; ASSOC. PROF. ED. PSYCHOL. & DIR. INSTR. MEDIA CENTER, TEXAS, AUSTIN, 67- Media and learning; media and teaching. Publ: Contrib. ed, Bridges for ideas. Address: 1415 Ridgehaven Dr, Austin, Tex. 78723.
- TIEU, DR. HSIEN YUAN**, b. Peking, China, June 20, 26; U.S. citizen; m. 53; c. 2. SOCIOLOGY. B.A., Haverford Col, 53; M.A., Pennsylvania, 55; Pop. Coun. fel, Australian Nat. Univ, 56-57, univ. scholar, 56-59; Ph.D.(demog), 60. Res. asst, Pennsylvania, 54-55; asst. prof. SOCIOL, Wisconsin, Milwaukee, 59-63, ASSOC. PROF, 63-65, ILLINOIS, URBANA, 65- Ford Found. prin. investr, urban studies prog, Wisconsin, 60-61; Soc. Sci. Res. Coun. res. grants, 61-64; vis. assoc. prof, Illinois, 64-65; various univ. faculty res. grants. Summers, planning analyst, Redevelop. Authority City Phila, 54, 55, faculty fel. grant, Indiana, 66, Resident faculty mem, inst. comp. sociol, Indiana, 67. Fel. Coun. Learned Soc; Sociol. Asn; Pop. Asn. Am; Asn. Asian Studies; Int. Union Sci. Study Pop. Fertility and populations Policies. Publ: Milwaukee metropolitan area fact book, 1940, 1950, and 1960. Univ. Wisconsin, 62; Social mobility and controlled fertility, Col. & Univ. Press, 65; Mobility, non-familial activity and fertility, Demography, Vol. 4, No. 1. Address: Dept. of Sociology, University of Illinois, Urbana, Ill. 61801.
- TIERNEY, DR. JAMES F(RANCIS)**, b. Fall River, Mass, Oct. 20, 22; m. 45; c. 5. POLITICAL SCIENCE. A.B. Boston, 48; A.M. Brown, 50, Ph.D.(polit. sci), 56. Prof. polit. sci, Bowdoin Col, 51-55, Dartmouth Col, 55-57; Hunter Col, 58-59; prog. asst, Ford Found, 59-61, prog. assoc, 61-62, asst. rep, Mexico, 62-65; ASST. SECY. GEN, COUN. HIGHER ED. AM. REPUB, 65- Ford Found. fel, India, Pakistan & Eng, 57-58; res. scholar, commonwealth studies center, Duke, 59. Consult, Ed. & World Affairs, 65- Mem. bd. dirs, Int. Schs. Serv, 67-; Center Inter-Am. Rels, 67- U.S.A.A.F, 41-45. Polit. Sci. Asn. Comparative political institutions, Europe and Latin America; higher education and national development in Latin America. Publ: Co-auth, The institutional approach to the study of international politics, In: Some approaches and concepts used in the teaching of international politics, 57; A coordinating course in the political science major, Am. Polit. Sci. Rev, 12/57; auth, Britain and the commonwealth, Polit. Studies, 10/58. Address: 18 Gorham Rd, Scarsdale, N.Y. 10583.
- TJETZE, DR. CHRISTOPHER**, b. Vienna, Austria, Dec. 11, 08; m. 51. DEMOGRAPHY. M.D. Vienna, 32. House physician, Munic. Hosp, 32-36; private practice, Austria, 36-38; res. assoc. Hopkins, 38-43; Nat. Cmt. Maternal Health, 43-49; res. specialist, U.S. Dept. State, 49-55, chief pop. & labor staff, 55-57; dir. res, Nat. Cmt. Maternal Health, 58-66; ASSOC. DIR. BIO-MED. DIV, POP. COUN, 67- Lectr, Columbia Univ, 59- Rapporteur, WHO, Geneva, 65-67; consult, Nat. Center Health Statist, 66- Mem. adv. cmt. obstet. & gynec, Food & Drug Admin, Wash, D.C. 65- Statistician for family planning, UN Tech. Assistance Admin, Barbados, W.I, 56, 58; del. conf. demog. probs. of area served by Caribbean Cmn, Trinidad, 57; adv, U.S. del. UN Pop. Cmn, 55, 57. Sociol. Asn; Statist. Asn; fel. Pub. Health Asn; Pop. Asn; Soc. Sci. Study Sex; Fertil Soc.(Rubin award, Soc. Study Sterility, 56); Int. Union Sci. Study Pop. Medical statistics; human fertility and its control. Address: Population Council, 2 E. 103rd St, New York, N.Y. 10029.
- TIFFANY, WILLIAM R.**, b. Aberdeen, S.Dak, June 20, 20; m. 43; c. 3. PHONETICS. SPEECH. B.A., Washington, 46, M.A., 47; Ph.D.(speech path), Iowa, 51. Assoc. SPEECH, WASHINGTON (SEATTLE), 47-48, instr, 48-49, asst. prof, 51-56, assoc. prof, 56-64, PROF, 64- Nat. Inst. Neurol. Diseases & Blindness spec. fel, 67-68. Ed. J. Speech & Hearing Disorders, 62-65; mem. ed. & training bd, Am. Bd. Exam. Speech Path. & Audiol, 67- Sig.C. U.S.A., 41-45, S/Sgt. Speech & Hearing Asn.(v.pres. elect, 67). Audiology and experimental phonetics; voice physiology. Publ: Co-auth, Phonetics: theory and application to speech improvement, McGraw, 60. Address: 10521 12th St. N.E. Seattle, Wash. 98125.
- TIFFIN, PROF. JOSEPH**, b. Falls City, Nebr, July 4, 05; m. 27; c. 2. PSYCHOLOGY. B.A., South Dakota, 27; M.A., Iowa, 28, Ph.D.(psychol), 30. Nat. Res. Coun. fel. psychol, Iowa, 30-31, asst. prof. psychol. & speech, 31-35, assoc. prof, 35-37; dir. voice sci. lab, Brooklyn Col, 37-38; assoc. prof. INDUST. PSYCHOL, PURDUE, 38-40, PROF, 40- Fel. Psychol. Asn. Personnel and vision tests; merit rating; industrial psychology. Address: Dept. of Industrial Psychology, Purdue University, Lafayette, Ind. 47907.
- TIGER, DR. LIONEL**, b. Montreal, Que, Feb. 2, 37; m. 63. SOCIOLOGY. B.A., McGill, 57, M.A., 59; Soc. Sci. Res. Coun. grant, Imp. Order Daughters of Empire overseas fel, Can. Coun. & For. Area training fels, sch. scholar. & Ph.D.(sociol), London Sch. Econ, 62. ASST. PROF. SOCIOL, BRITISH COLUMBIA, 63-, univ. res. fund grant, 66-67. Can. Coun. summer res. grant, 65 & spec. soc. sci. award, 66-67; Nat. Res. Coun. Can. res. grant psychol, 66-67. Fel. Am. Sociol. Asn; fel. Soc. Study Animal Behav; Can. Sociol. Asn; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. African political systems; relationship between biological and sociological theory; behavior of human males in groups and its relation to politics, economics, religion and recreation. Publ: Discipline and discovery, Univ. British Columbia, 65; Men in groups, Nelson, 68; co-auth, The zoological perspective in social science, Man: J. Royal Anthropol. Inst, 3/66. Address: Dept. of Anthropology & Sociology, University of British Columbia, Vancouver 8, B.C., Can.
- TIGHE, DR. THOMAS**, b. Hartford, Conn, Dec. 30, 28; m. 59. EXPERIMENTAL & INDUSTRIAL PSYCHOLOGY. B.A., Trinity Col, 52; Ph.D.(psychol), Cornell, 59. Asst. prof. PSYCHOL, Barnard Col, Columbia, 58-63; from asst. prof. to ASSOC. PROF, DARTMOUTH COL, 63- U.S.A., 52-54, Sgt. AAAS; Psychol. Asn. Psychology of learning; experimental study of punishment, escape and avoidance behavior; role of early experience in the development of perception. Address: Dept. of Psychology, Dartmouth College, Hanover, N.H. 03755.
- TIKOFSKY, DR. RONALD SHERWOOD**, b. Brooklyn, N.Y., May 21, 30; m. 58; c. 2. PSYCHOLOGY, SPEECH PATHOLOGY. B.A., Brooklyn Col, 52, M.A., 53; Ph.D. (speech path), Utah, 57. Instr. speech path, Pittsburgh, 57-58; speech, MICHIGAN, 58-61, asst. prof, 61-64, assoc. prof, 64-66, ASSOC. PROF. PSYCHOL. & SPEECH & CHMN. INTERDEPT. PROG. PSYCHOLING, 66- AAAS; Acad. Aphasia; Acoustical Soc. Am; Psychol. Asn; Speech & Hearing Asn; Ling. Soc. Am; Psychonomic Soc. Linguistic theories of aphasia; verbal learning of aphasics; speech discrimination acquisition; perception of grammar; speech intelligibility. Publ: Language problems in adults, chap. 11, In: Speech pathology, North-Holland, 66; Emotional and intellectual considerations in the rehabilitation of stroke patients, chap 7, In: Stroke rehabilitation, Green, 67; co-auth, Experimental studies of performance by aphasics, Cortex, 68. Address: Dept. of Psychology, University of Michigan, Program in Psycholinguistics, 182 Frieze Bldg, Ann Arbor, Mich. 48104.
- TILLER, DR. CARL W(ILLIAM)**, b. Battle Lake, Minn, Sept. 25, 15; m. 40; c. 2. PUBLIC ADMINISTRATION. B.A., Concordia Col, 35; M.A., Minnesota, 40; LL.D., Concordia Col.(Moorhead, Minn), 66. Budget secy. & exam, Minn, 35-41; exec. asst. to exec. dir, Munic. Finance Officers Asn, Chicago, Ill, 41-42; admin. analyst, U.S. BUR. BUDGET, 42-46, chief budget methods, 46-67, SPEC. ADV. BUDGETARY DEVELOP, 67- Lectr, grad. sch, U.S. Dept. Agr, 46-65; adj. prof, American Univ, 48- Soc. Pub. Admin; Polit. Sci. Asn; Acct. Asn. Governmental budgeting and accounting; national government. Publ: Co-auth, Minnesota commission of administration and finance, 1925-1939; auth, Governmental cost accounting. Address: 2418 59th Place, Chevy Chase, Md. 20785.
- TILLET, PROF. PAUL**, Polit. Sci, see 10th ed, Soc. & Behav. Vols, deceased 66.
- TILLEY, PROF. ETHEL**, b. Pittsburgh, Pa, Dec. 12, 94. PSYCHOLOGY. A.B., Ohio Wesleyan, 22; A.M., Boston, 26, Ph.D., 36; Radcliffe Col, 32-33; Harvard, 32; Cambridge, 38; Chicago, 41. Prof. philos. psychol. & Eng, Cazenovia Sem, 36-37; philos. psychol. & dean women, Hastings Col, 37-42; prof. Bible & philos, Sullins Col, 44-46; dean students, Greensboro Col, 46-48; prof. PSYCHOL. & PHILOS, Brenau Col, 48-51; prof. & head dept, MEREDITH COL, 51-67, EMER. PROF, 67- AAAS; Psychol. Asn; Philos. Asn; Interam. Soc. Psychol; Int. Coun. Psychol. Problem of identity in Henri Bergson's philosophy. Address: 1510 Hillsborough St, Raleigh, N.C. 27605.
- TILLITT, HARLEY E(VANS)**, Math, see 11th ed, Phys. & Biol. Vols.
- TILLMAN, DR. ARTHUR G(EOERGE)**, b. La Crosse, Wis, May 1, 90; m. 28; c. 2. GEOGRAPHY. B.A., Wisconsin, 17, M.A., 26, Ph.D.(geog), 28. Teacher, high schs, Wis, 12-15, 19-25; asst. geog, Wisconsin, 25-28; prof. GEOG, GEOL. & head dept, WESTERN ILLINOIS, 28-57, EMER. PROF, 57- U.S.A. AAAS; Asn. Am. Geog. Glacial geology; mineralogy; anthropology. Address: 360 N. Normal St, Macomb, Ill. 61455.
- TILLMAN, DEAN BILL JETT**, b. Newport, Ark, Oct. 5, 25; m. 47; c. 2. GEOGRAPHY, SOCIOLOGY. B.A., E.Cent. State Col, 48; M.A., Peabody Col, 49; fel, Okla. Agr. & Mech. Col, 53; D.Ed., Okla. State, 61. Assoc. prof. soc. sci, Murray State Col, 49-58; prof, E.CENT. STATE COL, 58-61, DEAN STUDENTS, 61-, ASSOC. DEAN INSTR, 65- U.S.M.C., 42-46. Meteorol. Soc. Married college students. Address: East Central State College, Ada, Okla. 74821.
- TILLMAN, DR. FRANK A**, Indust. Eng, see 11th ed, Phys. & Biol. Vols.
- TILLMAN, DEAN NATHANIEL P, JR**, b. Atlanta, Ga, July 5, 24; m. 48, 53; c. 3. POLITICAL SCIENCE. A.B., Morehouse Col, 47; summer, Atlanta, 50; M.S., Wisconsin, 51, South. Fel. Fund fel, 55-57, Danforth Found. fel, 57-58, Ph.D.(polit. sci), 61. Instr. soc. sci, St. Philip's Jr. Col, 47-50; asst. prof, Hampton Inst, 52-53; assoc. prof, Miles Col, 53-58, prof. & chmn. dept, 58-59; assoc. prof. polit. sci, Prairie View Agr. & Mech. Col, 59-61; asst. prof, Howard, 61-66, res. grant, 65-66; PROF. POLIT. SCI, DEL. STATE COL, 66-, DEAN, 68-, acting dean, 67-68. Summers, vis. lectr, Atlanta, 57, Albany State Col, 59, faculty intern, off. prod. div, Int. Bus. Mach. Corp, 65, vis. asst. prof, Iowa, 66. U.S.A., 43-46. Polit. Sci. Asn.

- Political behavior, United States national and state politics, legislative process, political leadership and race relations; constitutional law, civil rights. Publ: Contrib. Dictionary of political science, 64 & Handbook of world history, 67, Philos. Library; auth, Tripartite intervention of 1851, Negro Hist. Bull, 51. Address: P.O. Box 194, Dover, Del. 19901.
- TILLMAN, DR. SETH PHILLIP**, b. Springfield, Mass, Aug. 26, 30. INTERNATIONAL RELATIONS. A.B. Syracuse, 51, M.A. 52; M.A. Fletcher Sch. Law & Diplomacy, 56, Ph.D.(int. rels), 59. Instr. polit. sci, Mass. Inst. Tech, 56-58; Congressional fel, Am. Polit. Sci. Assn, 60-61; CONSULT, CMT. FOR. RELS, U.S. SENATE, 61- Asst. prof, Mass. Inst. Tech, 58-60; lectr, sch. adv. int. studies, Hopkins, 64- U.S.A., 52-54. Polit. Sci. Assn. World politics; American foreign policy; international law and economics; American and European diplomatic history. Publ: Anglo-American relations at the Paris peace conference of 1919. Address: Senate Foreign Relations Committee, Washington, D.C. 20007.
- TILLMAN, DR. TOM W(HITTEN)**, b. Dill City, Okla, Dec. 2, 31; m. 52; c. 2. AUDIOLOGY. B.A. Oklahoma, 54, M.A. 55; Ph.D.(audiol), Northwestern, 59. Instr. speech, Oklahoma, 54-57, asst. prof. AUDIOL, 59-60; res. assoc, NORTHWESTERN, 60-61, asst. prof, 61-64, ASSOC. PROF, 64- Nat. Insts. Health res. career develop. award, 65-70. Jr. consult. acoustical audiol, Vet. Admin, 59-60. Mem. cmt. hearing, bioacoustics & biomech, Nat. Acad. Sci-Nat. Res. Coun, 66-; communicative sci. study sect, Nat. Inst. Neurol. Diseases & Blindness, 66-70. AAAS; Speech & Hearing Assn; Acoustical Soc. Am. Communicative disorders; psychoacoustics; hearing disorders; rehabilitation of the deaf and hard of hearing. Publ: Co-auth, Release of masking for speech through interaural time delay, J. Acoustical Soc. Am, 67; auth, The assessment of sensorineural acuity, In: Sensorineural hearing processes and disorders, Little, 67; Special hearing tests in otoneurologic diagnosis, Arch. Otolaryngol, (in press). Address: Auditory Research Laboratory, Speech Annex Bldg, Northwestern University, Evanston, Ill. 60201.
- TILLSON, PROF. DAVID STANLEY**, b. Albany, N.Y., Mar. 5, 28; m. 54; c. 3. ANTHROPOLOGY. A.B. Bates Col, 49; Yale, 51-52; M.A. Syracuse, 55, D.S.S. 57. Prog. asst. community develop, Int. Coop. Admin, 57-61; asst. prof. anthrop. & sociol, Ohio, 61-62; PROF. ANTHROP, STATE UNIV. N.Y. COL. BROCKPORT, 62- Fel. Anthropol. Assn. Religion and community and national development, especially economic development. Publ: Pacifist community in peacetime: an introductory description of the Woodcrest Brotherhood at Rifton, N.Y., Univ. Michigan, 58. Address: Dept. of Anthropology, State University of New York College at Brockport, Brockport, N.Y. 14420.
- TILLY, PROF. CHARLES**, b. Elmhurst, Ill, May 27, 29; m. 53; c. 4. SOCIOLOGY. A.B. Harvard, 50, univ. fel, 51-52, Robert Treat Paine fel, 54-55, Soc. Sci. Res. Coun. fel, 55-56, Ph.D.(sociol), 58; Oxford, 50-51. Asst. Harvard, 50; instr. sociol, Delaware, 56-58, asst. prof, 58-62; vis. res. assoc, center int. studies, Princeton, 62-63; lectr. sociol, Harvard, 63-65, vis. prof, 65-66; PROF. SOCIOL. & MEM. EXEC. COUN. CENTER URBAN & COMMUNITY STUDIES, TORONTO, 65- Fel. Center Adv. Study Behav. Sci, 68-69. Mem. joint center urban studies, Mass. Inst. Tech-Harvard, 63-66; co-chmn. hist. panel, surv. behav. & soc. sci, Nat. Acad. Sci-Soc. Sci. Res. Coun. U.S.N., 52-54, Res, 54-64, Lt. Sociol. Assn. Social consequences of urbanization, especially forms of political protest, migration, patterns of residential segregation and variations in social participation within cities; urbanization; political change; community structure. Publ: Co-auth, Race and residence in Wilmington, Delaware; auth, The vendée, Harvard Univ. Press & Arnold, 64, Wiley, 67, French ed, Arthème Fayard, 68; Migration to an American city, Div. Urban Affairs & Sch. Agr. Univ. Delaware, 65. Address: Dept. of Sociology, University of Toronto, 563 Spadina Ave, Toronto 5, Ont, Can.
- TILMAN, DR. ROBERT O(LIVER)**, b. Caruthersville, Mo, July 21, 29; m. 54. POLITICAL SCIENCE. B.S. Memphis State, 57; univ. fel, Duke, 57-58; James B. Duke fel, 58-59, M.A. 59, Soc. Sci. Res. Coun. fel, 59-60, Ph.D. (Malayan bureaucracy), 61. Res. analyst, Nat. Security Agency, 54-57; exec. secy, commonwealth studies center, Duke, 60-62; asst. prof. comparative govt, Tulane, 62-65; POLIT. SCI. YALE, 65-67, ASSOC. PROF, 67- DIR. GRAD. STUDIES, SOUTHEAST ASIA STUDIES, 66- acting dir. southeast Asia studies, 68-69. Summers, Am. Coun. Learned Soc. fel, 64 & Nat. Defense For. Lang. fel, 66. Mem. exec. cmt, Southeast Asia develop. adv. group, Agency Int. Develop, 65-; Inter-Univ. Planning Cmt. Southeast Asia Studies, 68- U.S.A., 51-54, Sgt. AAAS; Polit. Sci. Assn; Asn. Asian Studies. Political behavior in Southeast Asia; socialization, assimilation and integration of overseas Chinese in Southeast Asia. Publ: Bureaucratic transition in Malaya, Duke, 64; Education and political development in Malaysia, 1' Universite Libre de Bruxelles, Belgium, 67; The socialization of the Chinese in Malaysian politics, Studies on Asia, 1966, 67. Address: Dept. of Political Science, Yale University, New Haven, Conn. 06520.
- TILTON, DR. J(OHN) W(ARREN)**, b. Hammonont, N.J., Nov. 10, 91; m. 14. EDUCATIONAL PSYCHOLOGY. B.S. Pennsylvania, 14; M.A. Columbia, 21, Ph.D.(ed. psychol), 26. Asst. prof. ED. PSYCHOL, GRAD. SCH. YALE, 27-33, assoc. prof, 33-58, EMER. ASSOC. PROF, 58- Fel. Psychol. Assn. Learning ability; the learning process; trait differences. Publ: An educational psychology of learning; Factors related to ability-profile unevenness, Ed. & Psychol. Measurement; Intercorrelations between measures of school learning, J. Psychol. Address: 555 Shore Rd, Somers A-4, Somers Point, N.J. 08244.
- TIMASHEFF, PROF. N(ICHOLAS)**, b. St. Petersburg, Russia, Nov. 9, 86; nat. SOCIOLOGY. A.M. St. Petersburg, 10, LL.D. 14. Instr. law, St. Petersburg, 15; asst. prof, Polytech. Inst. Petrograd, Russia, 16-18, assoc. prof. & chmn. dept, 18-21; assoc. prof. sociol. jurispr, criminal law & criminol, Russian Law Faculty, Prague, 23-27; mem. Inst. Slavic Studies & Franco-Russian Inst. Polit. & Soc. Sci, Paris, 27-36; lectr. SOCIOL, Harvard, 36-40; asst. prof, FORDHAM, 40-45, assoc. prof, 45-49, prof, 49-57, EMER. PROF, 57- Prof. Marymount Col.(N.Y.), 43-63. Sociol. Assn. Sociology of law; social theory; political sociology; law of Soviet Russia; religion in Russia. Publ: Introduction to the sociology of law; The great retreat; Sociological theory, its nature and growth, Random, 3rd ed, 67. Address: 39 Parkway E, Mt. Vernon, N.Y. 10552.
- TIMBERLAKE, DR. CHARLES E**, Mod. Russian Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- TIMBERLAKE, PROF. RICHARD HENRY**, b. Steubenville, Ohio, June 24, 22; m. 60; c. 5. ECONOMICS. A.B. Kenyon Col, 46; A.M. Columbia, 50; Ph.D., Chicago, 59. Instr. econ, Muhlenberg Col, 48-51; asst. prof, Norwich, 53-55; instr, Rensselaer Polytech, 55-58; assoc. prof, Fla. State, 58-64; PROF. FINANCE, GEORGIA, 64- U.S.A.A.F., 43-45, 1st Lt. Econ. Assn; Econ. Hist. Assn. Relation of monetary theory to monetary policy, particularly development of treasury monetary policy in the nineteenth century. Publ: Specie circular and the distribution of the surplus, J. Polit. Econ; Independent treasury and monetary policy before the Civil War, South. Econ. J; Specie standards and central banking in the United States before 1860, J. Econ. Hist. Address: Dept. of Finance, University of Georgia, Athens, Ga. 30601.
- TIMBERS, DR. EDWIN**, b. Charleston, W.Va, Apr. 13, 21; m. 47; c. 2. POLITICAL SCIENCE. A.B. West Virginia, 44; Harvard, 47-48; Virginia, 48-49; A.M. Michigan, 51, Ph.D.(polit. sci), 54. Property auditor, 59th Qm. Base Depot, U.S. Army, Germany, 46-47, asst. chief info. & records div, 47; asst. prof. govt, St. Lawrence, 53-54; field rep, Opinion Res. Corp, 54-55; sr. training supvr, Firestone Tire & Rubber Co, 55-56; mgt. develop. adminstr, Kaiser Steel Corp, 56-61; assoc. prof. bus. admin, Santa Clara, 61-66; PROF. PUB. ADMIN, GEORGE WASHINGTON, 66- Consult, Grand Auto Stores, Calif, 61-62; Precision Instrument Corp, 63-64; Santa Clara County Hosp, 64-66; Sylvania Electronic Sys, 64-66. U.S.A.R., 43-46, 1st Lt. Polit. Sci. Assn. Government-business relations; labor law; constitutional law. Publ: Planning for functional flexibility, 9/64 & Motivation through communication, 3/66, Adv. Mgt. J; The problem of union power and antitrust legislation, Labor Law J, 9/65. Address: Room 206, Hall of Government, George Washington University, Washington, D.C. 20006.
- TIMLIN, PROF. MABEL F(RANCES)**, Econ, see 10th ed, Soc. & Behav. Vols.
- TIMM, PROF. JACQUELINE E(CKERT)**, b. N.Y.; m. 51. POLITICAL SCIENCE. B.A. Texas, 33, M.A. 34, Ph.D. 39. Tutor & instr. govt, Texas, 36-39, res. assoc. soc. sci, 39-41; instr. govt, Southern Illinois, 41-43; res. assoc. int. law, Carnegie Endowment for Int. Peace, 43-46; asst. prof. POLIT. SCI, BOWLING GREEN STATE, 46-50, assoc. prof, 50-61, PROF, 61- Summer, vis. prof, W. Liberty State Col, 48. Contrib. ed, Dictionary Polit. Sci, 64. Polit. Sci. Assn; Am. Soc. Int. Law; Int. Polit. Sci. Assn; Int. Studies Assn. Boundary problems; water apportionment. Publ: Rio Grande rectification project; Rio Grande flood control. Address: Dept. of Political Science, Bowling Green State University, Bowling Green, Ohio 43402.
- TIMM, DR. OREON K**, Psychiat, see 11th ed, Phys. & Biol. Vols.
- TIMM, PROF. T(YRUS) R(AYMOND)**, b. Hallettsville, Tex, Aug. 27, 12; m; c. 1. AGRICULTURAL ECONOMICS. B.S. Texas A&M, 34, M.S. 36; D.P.A. Harvard, 49. Asst. prof, dept. agr. econ, N.Mex. State Col, 36-37; economet, exten. serv, Texas A&M, 38-44; agr. economist, Off. Price Admin, 44, agr. rels. adv. to adminstr, 45-47; economist, exten. serv, TEXAS A&M, 49-53, PROF. AGR. ECON. & SOCIOL. & HEAD DEPT, 53- Governmental agricultural policy; agricultural finance. Publ: Chmn. report, European Common Market and Texas agriculture, 64; Scope and dynamics of rural credit in the next 10 years, Am. Coop, 65; Proposals for improvement of the agricultural outlook program of the United States, J. Farm. Econ, 66. Address: Dept. of Agricultural Economics & Sociology, Texas A&M University, College Station, Tex. 77843.
- TIMMONS, DR. BENJAMIN F(INLEY)**, Sociol, see 10th ed, Soc. & Behav. Vols.
- TIMMONS, DR. EDWIN O(NEAL)**, b. West Point, Ga, May 12, 28; m. 52; c. 4. CLINICAL & EXPERIMENTAL PSYCHOLOGY. B.S. Auburn, 51; M.A. Tennessee, 56, U.S. Nat. Inst. Ment. Health res. fel, 56-57, Ph.D.(psychol), 58. Clin. psychologist, Vet. Admin. Hosp, Tuscaloosa, Ala, 58-60, res. psychologist, Gulfport, Miss, 60-61; asst. prof. PSYCHOL, LA. STATE, 61-64, ASSOC. PROF, 64- Res. assoc. med. sch, Tulane, 62- Consult, Asn. Retarded Children, Harrison County, Miss, 60-61; State Dept. Hosp, La, 61-; Vet. Admin, 61-; U.S. Pub. Health Serv, 64-67. Partner, Frye, Timmons & Assocs, Consult. Psychologists, 66- U.S.A., 46-48, 52-54, 1st Lt. Behavioral group and individual psychotherapy; learning theory; prediction and modification of human behavior; verbal behavior; management assessment and development; sensitivity training groups. Publ: Reliability of group verbal behavior & Effect of a conditioned verbal habit on a related nonverbal behavior, Psychol. Record; Modifying group verbal behavior: a comparison of three techniques, Psychol. Reports. Address: Dept. of Psychology, Louisiana State University, Baton Rouge, La. 70803.
- TIMMONS, PROF. JOHN F(RANCIS)**, b. Mo, Oct. 29, 12; m. 39; c. 7. AGRICULTURAL ECONOMICS. B.S. Missouri, 37, Gregory Scholar & M.A. 38; Ph.D. Wisconsin, 45. Economist, U.S. Dept. Agr, 39-41, 43-47, head land tenure & land policies sects, 45-47; instr, Wisconsin, 41-43; PROF. ECON, IOWA STATE, 47- Consult, Food & Agr. Orgn, 53- Chmn. soil & water conserv. cmt, Nat. Acad. Sci-Nat. Res. Coun, 59- Mem. Nat. Adv. Cmt. Census of Agr, 47-55; UN staff, Latin-Am. Land Prop. Seminar, Brazil, 53. Ely award, 42. Econ. Assn; Agr. Econ. Assn.(v.pres, 57-58). Land economics; farm ownership and tenancy; world land reform. Publ: Land problems and policies. Address: 213 East Hall, Iowa State University, Ames, Iowa 50010.
- TIMMS, PROF. H(OWARD) L**, b. Providence, R.I., Oct. 14, 14; m. 41; c. 4. BUSINESS MANAGEMENT. B.S.M.E. Purdue, 40; M.B.A. Indiana, 53, D.B.A. 55. From assoc. prof. to PROF. MGT, SCH. BUS. INDIANA, 52- Earhart Found. award, 54-55. U.S.A.A.F., 38. Econ. Assn; Soc. Mech. Eng. Production management; economics; finance. Publ: The production function in business; Production management; Introduction to operations management, Irwin, 67. Address: Dept. of Management, School of Business, Indiana University, Bloomington, Ind. 47401.
- TIMOTHY, SISTER M(ARY)**, O.P., Geog, Geol, see 10th ed, Soc. & Behav. Vols, deceased 65.

TIMS, PROF. GEORGE B(ARTON), JR., Indust. Eng, see 11th ed, Phys. & Biol. Vols.

TINDALL, PROF. RALPH H(AROLD), b. Cedarville, Ohio, Mar. 29, 14; m. 41. **PSYCHOLOGY**. A.B. Cedarville Col, 35; M.A. Ohio State, 46, Ph.D. 52. Res. psychologist, Sailors & Soldiers Orphans Home, Ohio, 46-53; dir. psychol. serv. Milwaukee Pub. Schs, Wis, 53-63; **PROF. PSYCHOL. & DIR. TRAINING PROG. SCH. PSYCHOLOGIST**, SOUTH CAROLINA, 63- Adj. prof, Marquette, 60- Dir. spec. serv. Columbia Pub. Schs, 63- U.S.A. 43-45. Psychol. Asn; Asn. Ment. Deficiency; Personnel & Guid. Asn. Appraising personality; the role of the psychologist in the public school; differential diagnosis of learning problems. Publ: Relationships among indices of adjustment status, Ed. & Psychol. Measurement; Trends in development of school psychology, In: Pupil personnel practices, Peacock, 67. Address: 6425 Goldbranch Rd, Columbia, S.C. 29206.

TINKELMAN, DR. SHERMAN, b. New York, N.Y., Nov. 17, 16; m. 44; c. 3. **PSYCHOLOGY**. B.S. City Col. New York, 36, M.S. 38; Ph.D. Columbia, 47. Instr. tests & measurements, Brooklyn Col, 47-49; ed. res. Queens Col. (N.Y.), 49-50; **ASST. CMNR. EXAM. & SCHOLAR, STATE ED. DEPT.**, N.Y., 50- U.S.A. 43-45. Coun. Measurement in Ed. Tests and measurements; educational research; statistics. Address: 361 S. Main Ave, Albany, N.Y. 12209.

TINKER, DR. MILES A(LBERT), b. Huntington, Mass, Aug. 22, 93. **PSYCHOLOGY**. A.B. Clark, 21, A.M. 22; Ph.D. (psychol), Stanford, 27. Asst. prof. **PSYCHOL. MINNESOTA**, 27-35, assoc. prof. 35-42, prof. 42-59, **EMER. PROF.**, 59- Consult, 59- U.S.N. 18. Fel. Psychol. Asn; Nat. Soc. Study Ed. Eye movements in reading; illumination and visual efficiency; hygiene of reading. Publ: Legibility of print, Iowa State Univ, 63; Bases for effects reading, Univ. Minnesota, 65; co-auth. Reading difficulties, Appleton, 2nd ed, 67. Address: P.O. Box 3193, 991 Winther Way, Santa Barbara, Calif. 93105.

TINKLEPAUGH, DR. O(TTO) L(EIF), Psychol, see 10th ed, Soc. & Behav. Vols.

TINLEY, PROF. JAMES M(ADDISON), b. Vryburg, S.Africa, Oct. 22, 97; nat; m. 28; c. 1. **AGRICULTURAL ECONOMICS**. B.Econ, Transvaal Univ. Col, S.Africa, 23; Ph.D. (agr. econ), Minnesota, 28. Clerk, Dept. Interior, S.Africa, 17-23; inspector coop. socs, Dept. Agr, 23-28, economist, 28-30; assoc. **AGR. ECON, CALIFORNIA**, DAVIS, 30-36, assoc. prof. 36-46, prof. 46-66, assoc. agr. economist, 30-39, agr. economist, exp. sta. & Giannini Found, 39-66, v.chmn. dept, 60-66, **EMER. PROF.**, 66- Carnegie grant, S.Africa, 39-40, Food Res. Inst. grant, 47; vis. Ford prof. & head dept, Ibadan, 66-67. Prin. agr. economist, Agr. Adjust. Admin. D.C. 34; economist, Food & Agr. Orgn. UN, Yugoslavia, 55-56; chief & econ. adv. U.S. Mission to Tanganyika, 59. Mem. econ. adv. cmt, State Econ. Develop. Agency, Calif, 59-; For. Policy Asn-World Affairs Center; Orgn. Am. States. Order of Orange-Nassau, Netherlands. S.African Forces, 16-19; U.S.A. 43-46, Maj; Bronze Star. Soc. Econ. Develop; Soc. Inst. Develop. Marketing of farm products; cooperation; agricultural policy; international trade; resource utilization in underdeveloped countries. Address: 2601 Golden Rain Rd, Apt. 3, Walnut Creek, Calif. 94529.

TINNERMEIER, DR. RONALD LEE, b. Newton, Iowa, Apr. 15, 36; m. 63; c. 2. **ECONOMICS, AGRICULTURAL ECONOMICS**. B.S. Iowa State, 58; M.S. Montana State, 62; Ph.D. (econ), Wisconsin, 65. Res. assoc. agr. econ, land tenure center, Univ. Wisconsin, 63-65; **ASST. PROF. ECON**, Iowa State, 65-67; N.C. STATE, 67- Sig.C. U.S.A. 59, 2nd Lt. Econ. Asn; Agr. Econ. Asn. Problems related to agrarian reform and agricultural development; supervised agricultural credit in underdeveloped countries. Publ: New land settlement in the eastern lowlands of Colombia, Land Tenure Center, Univ. Wisconsin, 64; Administration rural para puño, Iowa Univs. Mission, Peru, 67. Address: North Carolina Mission, U.S. Agency for International Development, U.S. Embassy, Lima, Peru.

TINSMAN, PROF. JAMES H., b. Philadelphia, Pa, Apr. 22, 30; m. 56; c. 3. **PHILOSOPHY, ANTHROPOLOGY**. A.B. Pennsylvania, 56, Harrison fel. 56-57, A.M. 60; M.A. Colorado, 66. Asst. instr. philos, Pennsylvania, 57-59; instr. KUTZTOWN STATE COL, 59-60, asst. prof. soc. sci, 60-66, **ASSOC. PROF. ANTHROP. & PHILOS**, 66- Lectr, Muhlenberg Col, 60-63 & 64-65; Nat. Sci. Found. sci. faculty fel. 68-70. Mem. Am. Mus. Nat. Hist. Mem. cmt. values, Dept. Pub. Instr, Pa, 62-63. C.Eng. U.S.A. 52-53. Philos. Sci. Asn; Asn. Symbolic Logic; Am. Anthropol. Asn; Ethnol. Soc; Royal Inst. Philos; Brit. Soc. Philos. Sci. Physical anthropology, especially human evolution and genetics; research and methodology of the social sciences; economic anthropology and anthropological study of ideology. Address: Dept. of Social Sciences, Kutztown State College, Kutztown, Pa. 19530.

TINTNER, PROF. GERHARD, Math, see 11th ed, Phys. & Biol. Vols.

TIPPIN, PROF. D(ANIEL) N(ASH), Bus. Admin, see 10th ed, Soc. & Behav. Vols.

TIPPLE, DR. JOHN ORD, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

TIPTON, PROF. JAMES H., b. Sylvester, Ga, Aug. 25, 10; m. 42; c. 3. **SOCIOLOGY**. B.S. Ga. Tech, 31; Rosenwald Found. fel. 44-45; M.A. Columbia, 45, Ed.D. 51. Teacher, high sch, Ga, 33-34, 43; asst. treas. Ga. Tech, 34-40, mgr. bookstore & cafeteria, 40-42; field exam. employ. rels. President's Cmt. Fair Employment Practice, 44; sch. consult, bur. intercultural ed, New York, 45-50; **PROF. SOC. SCI, WILLIMANTIC STATE COL**, 50-, **CHMN. DEPT.**, 67- Fulbright lectr, Panjab, Pakistan, 58-59. U.S.A. 42-43, Sgt. Sociol. Asn; Psychol. Asn; Soc. Study Social Probs. Intercultural and intergroup relations and education; community sociology and development; international education. Publ: Community in crisis: the elimination of segregation from a public school system. Address: Dept. of Sociology, Willimantic State College, Willimantic, Conn. 06226.

TIPTON, DR. ROBERT MONROE, b. Colonial Heights, Va, Jan. 22, 38; m. 61; c. 1. **PSYCHOLOGY**. B.S. Richmond Pfnl. Inst, 62, M.S. 64; Ph.D. (counseling psychol), Missouri, 66. **ASST. PROF. PSYCHOL, RICHMOND PRNL.**

INST, 66- Voc. consult, Soc. Security Admin, 66- U.S.M.C. 58-58. Counseling effectiveness; perceptive distortion. Publ: Vocational identification and academic achievement, & co-auth. Pre-perception—fact or fancy, J. Counseling Psychol, 66. Address: Dept. of Psychology, Richmond Professional Institute, Richmond, Va. 23220.

TIRNAUER, DR. LAWRENCE T(HEODORE), b. New York, N.Y., Apr. 15, 33; m. 60. **CLINICAL PSYCHOLOGY**. B.A. Otterbein Col, 54; M.S. Pa. State, 56, univ. scholar, 57-58, U.S. Pub. Health Serv. fel. 58-59, Ph.D. 59. Intern psychol, Roanoke Vet. Admin. Hosp, 56-57; staff psychologist, St. Elizabeth's Hosp, D.C. 59-60; **PSYCHOLOGIST, D.C. DEPT. PUB. HEALTH**, 60- Private practice psychother, 67- Psychol. Asn; Group Psychother. Asn; Acad. Psychother. (secy, 67-68). Psychotherapy; creativity in psychotherapy; the nonrational experience of the psychotherapist. Publ: Anxiety and the behavior of psychotherapists, Dissertation Abstracts; Experience of being horrible and inhuman, winter 66 & Notes for a happy psychotherapy, spring 67, Voices: The Art of Psychother. Address: 8715 Garfield St, Bethesda, Md. 20034.

TIRTHA, DR. RANJIT, b. Jullundur City, India, Jan. 03, 28; m. 53; c. 3. **GEOGRAPHY**. M.A. Govt. Col, Ludhiana, India, 48; fel. North Carolina, 58-61, Ph.D. (geog), 61. Lectr. **GEOG**, Govt. Col, Mandi, India, 50-56; sr. lectr, Govt. Col, Solan, India, 61-62; lectr. human geog, Delhi, 62-66; asst. prof. **GEOG**, Wis. State, Oshkosh, 66-67; **ASSOC. PROF. NORTHERN ILLINOIS**, 67- Assoc. prof. Wis. State, Oshkosh, summer 67. Asn. Am. Geog; Am. Geog. Soc. Population geography; city growth in India; social geography of Nepal. Publ: Geographic pattern of India's main linguistic communities, Kulturgeografi, Denmark, 2/64; co-auth. Dimensions of geography: an appraisal, Library Herald, 7: 185-200 & Rural service centers in the Himalayas, Rural Sociol, 32: 92-98. Address: Dept. of Earth Sciences, Northern Illinois University, DeKalb, Ill. 60115.

TIRYAKIAN, PROF. EDWARD A(SHOD), b. Bronxville, N.Y., Aug. 6, 29; m. 53; c. 2. **SOCIOLOGY**. A.B. Princeton, 52; fels. Harvard, 53-56, M.A. 54, Ph.D. (sociol), 56. Vis. lectr. **SOCIOL**, Philippines, 54-55; instr. Princeton, 56-57, asst. prof. 57-62; lectr, Harvard, 62-65; assoc. prof. DUKE, 65-67, **PROF**, 67- Fel. Sociol. Asn; fel. African Studies Asn; Int. Asn. of French Speaking Sociologists. Social consequences of modernization and industrialization in underdeveloped areas, especially sub-Sahara Africa; development of systematic sociological theory. Publ: Sociologism and existentialism: two perspectives on the individual and society; ed. Sociological theory, values, and sociocultural change, Free Press of Glencoe, 63; auth. Existential phenomenology and the sociological tradition, Am. Sociol. Rev, 65. Address: Dept. of Sociology & Anthropology, Duke University, Durham, N.C. 27706.

TISDALE, DR. JOHN R(OBERT), b. Cedar Rapids, Iowa, Dec. 10, 32; m. 54; c. 2. **PSYCHOLOGY**. A.B. Cornell Col, 54; S.T.B. Boston, 58, Ph.D. (psychol, pastoral counseling), 61. Asst. prof. psychol, Cornell Col, 61-67, col. counsr. & dir. testing bur, 64-67; **ASSOC. PROF. PSYCHOL. & CHMN. DEPT, CEDAR CREST COL**, 67- Danielsen counseling fel, Boston, 60-61; Nat. Sci. Found. col. teacher res. participation grant 64-66 & summer, 64; res. assoc. character res. proj, Union Col, 66-67. Psychol. Asn; Acad. Relig. & Ment. Health. Pastoral counseling; client-centered therapy; psychology of religion. Publ: Selected correlates of extrinsic religious values, Rev. Religious Res, 66; co-auth. Selected problems in measuring extrinsic religious values, Proc. Iowa Acad. Sci, 66; auth. Pastoral counseling, counseling, and research, J. Pastoral Care, 67. Address: Dept. of Psychology, Cedar Crest College, Allentown, Pa. 18104.

TISDALE, ROSA D(ORIS), b. Gilman, Iowa, July 28, 04. **GEOGRAPHY, GEOL. OGY**. B.A. Colorado, 41, M.A. 48; American Univ, 46, 50. Researcher & ed. U.S. Bd. Geog. Names, 44-47; ED, U.S. Geol. Surv, 48-61; RES, ARMY MAP SERV, 61-; RES. ANALYST U.S.S.R, U.S. DEPT. DEFENSE, 62- AAAS; Asn. Am. Geog. Address: 5324 Wapakoneta Rd, Washington, D.C. 20016.

TISDALL, DR. WILLIAM J(OHN), b. Buffalo, N.Y., Nov. 30, 29; m. 59. **EDUCATION, PSYCHOLOGY**. B.S. Illinois, 56, M.S. 59, Ph.D. (spec. ed, psychol), 62. Asst. prof. ED, Pa. State, 62-63; Pittsburgh, 63-65; KENTUCKY, 65-66, **ASSOC. PROF.**, 66- Consult, Ky. Dept. Ment. Health, 65-67; res. consult, bur. ed. handicapped, U.S. Off. Ed, 65- Psychol. Asn; Coun. Except. Children; Ed. Res. Asn. Psychology and education of handicapped children. Publ: A follow-up study of trainable mentally handicapped children in Illinois, Am. J. Ment. Deficiency, 3/60; Productive thinking in retarded children, Except. Children, 9/62; The school psychologist in a program of early school admission for mentally advanced children, J. Sch. Psychol, spring 65. Address: College of Education, University of Kentucky, Lexington, Ky. 40506.

TISLOW, DR. RICHARD FREDERICK, Pharmacol, Exp. Therapeut, see 11th ed, Phys. & Biol. Vols.

TITCHENER, DR. JAMES LAMPTON, b. Binghamton, N.Y., Apr. 9, 22; m. 46; c. 4. **PSYCHIATRY, PSYCHOANALYSIS**. A.B. Princeton, 46; M.D. Duke, 49; Chicago Inst. Psychoanal, 58-64. Instr. **PSYCHIAT. COL. MED. CIN. CINNATI**, 54-58, asst. prof. 58-63, **ASSOC. PROF.**, 63- Career investr, U.S. Pub. Health Serv, 55-60; psychiatrist, cent. psychiat. clin, Cincinnati Gen. Hosp, 66- Consult, Vet. Admin. Hosp, 60- Med.C. U.S.A. 43-46, 49-52, Capt. Fel. AAAS; fel. Psychiat. Asn; Psychoanal. Asn. Family interaction; psychodynamic problems in surgery; marital psychotherapy; body movement and communication. Publ: Surgery as a human experience, Oxford Univ, 60; Family interaction and the derivation of individuality, Family Process, 63; Problem of interpretation in marital therapy, Comprehensive Psychiat, 66. Address: Central Psychiatric Clinic, Cincinnati General Hospital, Cincinnati, Ohio 45229.

TITIEV, PROF. MISCHA, b. Kremenchug, Russia, Sept. 11, 01; nat; m. 35; c. 1. **ETHNOLOGY**. A.B. Harvard, 23, A.M. 24, Ph.D. (anthrop), 35. Asst. mus. curator & jr. archaeologist, Nat. Park Serv, 35-36; Instr. **ANTHROP. MICHIGAN**, 38-39, asst. prof. 39-44, assoc. prof. 44-51, **PROF.**, 51- Fulbright award, Australia, 54. AAAS; fel. Anthropol. Asn; Asn. Asian Studies;

- Ethnol. Soc; Royal Anthropol. Inst. Gt. Brit. Ethnology of the Hopi Indians; social organization of Japanese in Peru and Japan; ethnology of Araucanian Indians of Chile. Publ: Old Oraibi; Science of man; Introduction to cultural anthropology. Address: 910 Heather Way, Ann Arbor, Mich. 48104.
- TITTLE, DR. CHARLES R, b. Hope, Ark, Mar. 26, 39; m. 61. SOCIOLOGY. B.A. Ouachita Baptist Col, 61; Woodrow Wilson fel. & M.A. Texas, 63; Danforth fel. & Ph.D.(sociol), 65. ASST. PROF. SOCIOL. INDIANA, 65- Nat. Sci. Found. res. grant, 67-69. Sociol. Asn. Deviant behavior and social control; social research methods. Publ: Co-auth, Social organization of prisoners, Soc. Forces, 12/64, Structural handicaps to therapeutic participation, Soc. Probs, summer 65 & Attitude measurement and prediction of behavior, Sociometry, spring 67. Address: Dept. of Sociology, Ballantine Hall, Indiana University, Bloomington, Ind. 47401.
- TITUS, PROF. CHARLES H(ICKMAN), Polit. Sci, see 10th ed, Soc. & Behav. Vols.
- TITUS, DR. H(ARRY) EDWIN, b. Washington, D.C, May 25, 33; m. 56; c. 2. PSYCHOLOGY. A.B. Bucknell, 55; M.S. Carnegie Inst. Tech, 57, Ph.D.(psychol), 59. Asst. prof. PSYCHOL, MUSKINGUM COL, 61-64, ASSOC. PROF, 64-, CHMN. DEPT, 67- Adj. Gen.C, U.S.A, 59-61, 1st Lt. Psychol. Asn. Interpersonal perceptions and skills; academic motivation; peer predictions of behavior; comparative social behavior. Publ: Co-auth, The California F scale in psychological research: 1950-1951. Psychol. Bull, 57. Address: Sunrise Acres, Route 1, New Concord, Ohio 43762.
- TITUS, PROF. JAMES EMERSON, b. Sutton, Nebr, Mar. 14, 20; m. 49; c. 3. POLITICAL SCIENCE. B.A. Oklahoma, 43, M.A. 48; Knapp fel, Wisconsin, 52, Ph.D. 57. Instr. govt, Texas, 53-56; asst. prof. POLIT. SCI, KANSAS, 57-62, ASSOC. PROF, 62- Nat. Sci. Found. res. grant, Nat. Conf. Math. Appln. Polit. Sci, 64; vis. scholar, Nat. Sci. Found. & Inter-Univ. Consortium Polit. Res. summer seminar on res. design & data anal, Michigan, 65; res. dir, Joint Presidential-Congressional Cmn. Polit. Activity of Govt. Personnel, D.C, 67-68. Consult, State Dept. Revenue, Kans, 59; State Dept. Hwys, summer, 63. Mem. staff, State Econ. & Efficiency Cmt, 58. U.S.A, 43-46, Capt. Polit. Sci. Asn; Soc. Pub. Admin. Relationship of philosophy of science to contemporary political theory; American national government; political research methodology; empirical theory. Publ: Executive development; Democracy and metropolitan representation, Southwest. Soc. Sci. Quart, 6/63; Kansas Governors—a resume of political leadership, West. Polit. Quart, 6/64. Address: Dept. of Political Science, University of Kansas, Lawrence, Kans. 66044.
- TITUS, PROF. PAUL M(ERLIN), b. Ft. Wayne, Ind, May 19, 04; m. 28; c. 3. ECONOMICS. A.B. Oberlin Col, 26; Cornell, 26-27; A.M. Princeton, 32, Ph.D. 33. STANTON PROF. ECON, KENYON COL, 33- Great Lakes Col. Asn. grant, 67. Consult, econ. develop. bd, Hashimite Kingdom of Jordan, 62-63. Res. assoc. Cmt. Post-War Tax Policy, New York, 45. Econ. Asn; Asn. Evolutionary Econ. Public finance; labor economics; development of economic thought. Publ: Tax commission. Address: Dept. of Economics, Kenyon College, Gambier, Ohio 43022.
- TJERSLAND, DR. TORE, b. Oslo, Norway, July 28, 27; U.S. citizen. ECONOMICS, OPERATIONS RESEARCH. B.S. Colorado, 50; M.B.A. Syracuse, 54; Stanford-Sloan fel, Stanford, 59-60, Ph.D.(econ), 61. Indust. engr, Oscar Meyer Co, Madison, Wis, 50-51; Ansco Photo Prods. Gen. Analine & Film Corp, 51-53; safety engr, Johnson & Higgins, San Francisco, Calif, 54-55; asst. prof. indust. eng, Washington (St. Louis), 55-57; econ, California, Berkeley, 57-59; ASSOC. PROF. indust. mgt, U.S. Naval Postgrad. Sch, 61-64; ECON, U.S. INT. UNIV, 64- Summers, Ford fel. case writing, Harvard, 56, inst. study grant res. methodology, Case Inst. Tech, 62, Ford Found. res. fels. econ, California, Los Angeles, 63 & mgt. sci, Berkeley, 56. Mem. Cmt. Econ. Develop, 64- Econ. Asn. Economicsometrics; economics of poverty; applied operations research; city planning. Publ: An economic profile of urban poverty, OEO-WBSI, 67; The San Diego economy, an econometric model, city of San Diego & West. Econ. J, 67; Urban Economics, West. Press, 68. Address: Dept. of Economics, College of Arts & Sciences, California Western Division, U.S. International University, San Diego, Calif. 92106.
- TJOSSEM, DR. THEODORE DAVID, b. Paullina, Iowa, Aug. 5, 18; m. 44; c. 4. PSYCHOLOGY. A.B. Drake, 40; M.A. Iowa, 41; Ph.D.(psychol), Washington (Seattle), 59. Lectr. psychol, Drake, 46, 48-49; Washington (Seattle), 52-53, instr, 53-60, asst. prof, 60-64, assoc. psychologist, 51-53; spec. asst. U.S. Children's Bur, 64-65; head ment. retardation res. centers, NAT. INST. CHILD HEALTH & HUMAN DEVELOP, 65-66, DIR. MENT. RETARDATION PROG, 66- Acting dir, Iowa Bd. Soc. Welfare, 46-49. Mem. tech. adv. cmt, U.S. Children's Bur, 63-64; secy. cmt. ment. retardation, U.S. Dept. Health, Ed. & Welfare, 64-65. U.S.A, 43-46, T/Sgt. AAAS; Psychol. Asn; Asn. Ment. Deficiency. Infant and preschool child development; learning disabilities; child activity patterns; child health. Publ: Co-auth, Emotional reactions and skin temperature responses in children aged two to four years, J. Psychosom. Res, 59 & An investigation of reading disability in young children, Am. J. Psychiat, 6/62; auth, Psychological considerations in the care of the adolescent dental patient, Dent. Clin. N.Am, 7/66. Address: National Institute Child Health & Human Development, 9000 Rockville Pike, Bethesda, Md. 20014.
- TOBACH, DR. ETHEL, Comp. & Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.
- TOBBE, DR. C. WALTER, b. Detroit, Mich, Oct. 19, 06. ECONOMICS. B.A. Catholic Univ, 31; N.Y. Univ, 36-38; M.A. Fordham, 41, Ph.D.(econ), 46. Teacher, Christian Brothers Acad, Albany, N.Y, 32-34; La Salle Acad, New York, 35-43; instr. econ. geog, Army specialized training prog, Manhattan Col, 43-44; teacher, high sch, N.Y, 44-45; asst. prin, La Salle Acad, 46-50; prin, high schs, Mich, 51-62; ASST. PROF. ECON, MANHATTAN COL, 62- Econ. Asn. Economic effects of changing trends in population; efforts of governments to stimulate the rate of population growth. Address: Dept. of Economics, Manhattan College-Riverdale, Bronx, N.Y. 10471.
- TOBEN, PROF. G(EOGE) E, b. Melvin, Ill, May 12, 13; m. 39; c. 3. AGRICULTURAL ECONOMICS. B.S. Illinois, 36, M.S. 38; Minnesota, 40-46. Asst. agr. econ, Illinois, 36-39; instr, Minnesota, 39-46; assoc. prof. FARM MGT, WEST VIRGINIA, 46-60, PROF, 60- Agr. Econ. Asn; Soil Conserv. Soc. Am; Soc. Farm Mgr. & Rural Appraisers. Farm management; production economics. Publ: What the farming situation is like in Northeastern West Virginia & West Virginia farming: a pictorial comparison among counties, W.Va. Agr. Exp. Sta. Bull; Cropping systems—kind, intensity, and length, W.Va. Univ. Agr. Exp. Sta. Bull, 530. Address: Dept. of Agricultural Economics, West Virginia University, Morgantown, W.Va. 26506.
- TOBIAS, DR. JERRY V(ERNON), Acoustics, see 11th ed, Phys. & Biol. Vols.
- TOBIAS, DR. PAUL R, b. Los Angeles, Calif, Oct. 30, 32; m. 67. PSYCHOLOGY. A.B. California, Berkeley, 55; M.A. Southern California, 60, Nat. Insts. Health fel, 60-61, Ph.D.(psychol), 62. Mem. staff. indust. mgt, Fairbanks Morse & Co, 55-58; human factors, N.Am. Aviation, Inc, 58-59; sr. behav. scientist, human centrifuge, Kershoff Labs, Southern California, 59-62; ADV. SCIENTIST, FED. SYSTS. DIV, INT. BUS. MACH. CORP, 63- Boerhaave lectr, Leiden, 66; instr, inst. aerospace safety & mgt, Southern California, 66- Consult, Douglas Aircraft Co, 61; mem. tech. staff, Aerospace Corp, 61-63; Jet Propulsion Labs, 67- Am. Psychol. Asn; Aerospace Med. Asn; Human Factors Soc. Bioastronautics, psychology and physiology, especially on adapting aerospace industrial capabilities to national problems in health and education. Publ: An investigation of the relationship between subclinical epilepsy and maturational delay, Ann. West. Epileptic Conf, 57; The effects of radiation on integrated behavior, In: Unusual environment and human behavior, Macmillan, 62; co-auth, The acceleration phosphene, Aerospace Med. Asn. Convention, 62. Address: 2387 Roscomare Rd, Apt. 6, Los Angeles, Calif. 90024.
- TOBIAS, DR. SIGMUND, b. Berlin, Germany, Nov. 26, 32; m. 55; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. City Col. New York, 55, M.S. 56; Ph.D. (clin. psychol), Columbia, 60. Lectr, ed. clin, Brooklyn Col, 59-60, instr, 60-63; asst. prof. ED. PSYCHOL, CITY COL. NEW YORK, 63-67, ASSOC. PROF, 67- Spec. examiner, New York City Dept. Personnel, 66-; U.S. Off. Ed. res. grants, 67-69, fel. ed. res, Pittsburgh, 68-69. Ed. Res. Asn; Psychol. Asn. Programed instruction. Publ: Teachers' attitudes toward programed instructional terms, J. Programed Instr, 63; Lack of knowledge and fear of automation as factors in teachers' attitudes toward programed instruction and other media, Audio-Visual Commun. Rev, 66; Dimensions of teachers attitudes toward instructional media, Am. Ed. Res. J, 68. Address: School of Education, City College of New York, New York, N.Y. 10031.
- TOBIASSEN, PROF. LEIF K(RISTJAN), b. Holum, Norway, Feb. 9, 09. POLITICAL SCIENCE. A.B. Andrews, 36, A.M. 48; Ph.D. N.Y. Univ, 60. Instr, Newbold Col, Eng, 36-38; prin, Norway Missionary Col, 38-40; assoc. prof. hist. & relig, South. Missionary Col, 46-54, prof, 54-56; prof. relig. & chmn. dept, Union Col.(Nebr), 56-59; pres, W.Indies Col, Jamaica, 59-61; PROF. POLIT. SCI, ANDREWS, 61- Hist. Asn; Soc. Int. Law; Acad. Polit. & Soc. Sci; Polit. Sci. Asn; Int. Relig. Liberty Asn. International organization and law. Address: Dept. of Political Science, Andrews University, Berrien Springs, Mich. 49104.
- TOBIE, DR. WALTER C(ARY), Biochem, Microbiol, see 11th ed, Phys. & Biol. Vols.
- TOBIN, DR. CHARLES J(OSEPH), Econ, see 10th ed, Soc. & Behav. Vols, deceased.
- TOBIN, PROF. JAMES, b. Champaign, Ill, Mar. 5, 18; m. 46; c. 3. ECONOMICS. A.B. Harvard, 39, M.A. 40, fel, 46-47, Ph.D.(econ), 47. Mem. staff, Off. Price Admin. & civilian supply, War Prod. Bd, 41-42; assoc. prof, YALE, 50-55, prof. econ. & dir. Cowles Found. for Res. Econ, 55-61, STERLING PROF. ECON, 55- Mem. coun. econ. adv. Exec. Off. President, 61-62. U.S.N, 42-46, Lt. Econ. Asn.(Clark medal, 55); Statist. Asn; fel. Economet. Soc. Econometrics; economic theory; consumer behavior. Publ: National economic policy, Yale, 66; co-auth, Risk aversion and portfolio choice, 67 & Studies of portfolio behavior, 67, Wiley. Address: Box 2125, Yale Station, New Haven, Conn. 06520.
- TOBIN, DR. SHELDON SIDNEY, b. Chicago, Ill, Aug. 10, 31. GERONTOLOGY, PSYCHOLOGY. B.S. Illinois, 55; M.A. Chicago, 61, Ph.D.(cmt. human develop), 63. Intern. clin. psychol, psychosom. & psychiat. inst, Michael Reese Hosp, 61-62; res. assoc. CMT. HUMAN DEVELOP, CHICAGO, 62-63, instr, 63-65, ASST. PROF, 65-, ASST. PROF. SCH. SOC. SERV. ADMIN, 67- Consult, Welfare Coun. Metrop. Chicago, 63-; res. & planning consult, Drexel Home for Aged, 66- Mem. tech. adv. cmt, Info. Center Aging & Chronically Ill, 67-; bd, Chicago Friends of Welfare Rights Orgn, 68- Med.C, U.S.A, 56-58. Gerontol. Soc; Psychol. Asn; Coun. Soc. Work Ed. Psychological, social and biological aspects of aging. Publ: Co-auth, Life satisfaction and social interaction, J. Gerontol, 16: 344-345; auth, Childhood reminiscence and institutionalization in the aged; Proc. Int. Cong. Gerontol, 66; Understanding the elderly patient, In: Nursing and retirement home administration, Iowa State Univ, 66. Address: 1368 E. 57th St, Chicago, Ill. 60637.
- TOBIN, DR. STEPHAN A(LEXANDER), b. Philadelphia, Pa, July 21, 32; m. 61; c. 2. PSYCHOLOGY. B.A. California, Los Angeles, 57; M.A. Michigan, 61, Ph.D.(clin. psychol), 63. Asst. prof. PSYCHOL, neuropsychiat. inst, California, Los Angeles, 63-66, lectr, dept. psychol, 64-65; ASST. PROF, SAN FERNANDO VALLEY STATE COL, 67-; PROG. DIR, TOPANGA HUMAN DEVELOP. CENTER, 67- Dir. ment. health center, St. Michael's Church, 64-67; clin. psychologist, 66- U.S.A, 53-54. Psychol. Asn. Cognition Gestalt therapy; application of existentialism to personal growth. Address: Suite 306, 5353 Balboa Blvd, Encino, Calif. 91316.
- TOBLER, PROF. WALDO R(UDOLPH), b. Portland, Ore, Nov. 16, 30; m. 57; c. 2. GEOGRAPHY. B.A. Washington (Seattle), 55, M.A. 57, Nat. Sci. Found. fel, 59-61, Ph.D.(geog), 61. Soc. scientist, sys. develop. div, Rand Corp, 57-58; city planner, Pierce County, Wash, 58-59; asst. prof. GEOG. MICH-

- GAN, 61-64, assoc. prof, 64-68, PROF, 68- Nat. Sci. Found. res. grant, 66-69. Mem. cmts, earth sci. div, Nat. Acad. Sci-Nat. Res. Coun, 63-U.S.A, 48-52, Sgt. Hon. fel. Am. Geog. Soc; Soc. Gen. Sys. Res. Theoretical-mathematical geography, including the study of spatial processes, cartography and geographical data processing. Publ: Geographical area and map projections, Geog. Rev, 1/63; Computation of the correspondence of geographical distributions, Papers Regional Sci. Assn, 64. Address: 1737 Waltham Dr. Ann Arbor, Mich. 48103.
- TOBY, PROF. JACKSON, b. New York, N.Y., Sept. 10, 25; m. 52; c. 2. SOCIOLOGY. B.A. Brooklyn Col, 46; M.A. Harvard, 47, fel, 48-49, M.A. 49, Ph.D.(sociol), 50. Asst. lab. soc. rels, Harvard, 49-50, res. assoc, 50-51; lectr, RUTGERS, 51-52, asst. prof. SOCIOL, 52-58, assoc. prof, 58-61, PROF, 61- Soc. Sci. Res. Coun. faculty fel, 55-59. Consult, youth develop. prog, Ford Found, 59-63. U.S.N, 44-45. Sociol. Assn. Control of adolescent delinquency; criminology. Publ: Differential impact of family disorganization; co-auth, Social problems in America; auth, Contemporary society, Wiley, 64. Address: Dept. of Sociology, Rutgers University, New Brunswick, N.J. 08903.
- TOCH, PROF. HANS H(ERBERT), b. Vienna, Austria, Apr. 17, 30; nat. SOCIAL & EXPERIMENTAL PSYCHOLOGY. B.A. Brooklyn Col, 52; Walker fel, 52-54; M.A. Princeton, 54, Ph.D.(psychol), 55. ASST. PSYCHOL, Princeton, 52-55; lectr, exten. div, California, Los Angeles, 55-57; instr, MICH. STATE, 57-58, asst. prof, 58-61, assoc. prof, 61-66, PROF, 66- Vis. lectr, Harvard, 65-66; vis. prof, State Univ. N.Y. Albany, 67-68. U.S.N.R, 55-57. Fel. Psychol. Assn; fel. Soc. Psychol. Study Social Issues. Visual perception; mass movements and public opinion; psychology of religion; legal problems. Publ: Ed, Legal and criminal psychology, Holt, 61; auth, Social psychology of social movements, Bobbs, 65; co-ed, Social perception, Van Nostrand, 68. Address: Dept. of Psychology, Michigan State University, East Lansing, Mich. 48823.
- TODD, DR. FREDERICK J(AMES), b. U.S. Dec. 15, 22; m. 46; c. 2. PSYCHOLOGY. A.B. Colorado, 49, M.A. 52, Ph.D.(psychol), 54. Clin. psychologist, Vet. Admin. Ment. Hyg. Clin, Denver, Colo, 54; Winter Vet. Admin. Hosp, Topeka, Kans, 54-55; res. assoc. psychol, behav. res. lab. & acting asst. prof, COLORADO, 57-65, ASST. PROF. CLIN. PSYCHOL, SCH. MED, 65- U.S.A, 44-46. Psychol. Assn. Cognitive structure and processes involved in person perception and clinical inference; use of mathematical models to describe cognitive structure; behavior modification. Publ: Co-auth, A cognitive structure approach to person perception, J. Abnorm. & Soc. Psychol, 64; Analyzing the components of clinical inference, Psychol. Rev, 64; A research paradigm for the study of interpersonal learning, Psychol. Bull, 66. Address: Division of Psychology, University of Colorado School of Medicine, 4200 E. Ninth Ave, Denver, Colo. 80220.
- TODD, DR. HOLLIS E, b. Rogersville, Ala, Jan. 27, 33; m. 59; c. 4. SOCIOLOGY. B.S. Ala. Polytech, 55, M. Agr. Ed, 59; Ph.D.(agr. ed), Ohio State, 65. Teacher, high sch, Ala, 56-59, Ohio, 61-65; ASSOC. PROF. SOCIOL, DAVID LIPSCOMB COL, 65- U.S.A, 55-57. Rural Sociol. Soc. Introductory sociology: family: sociology of education; research methods. Publ: A role analysis of the beginning teacher of vocational agriculture in Ohio, Dept. Agr. Ed, Ohio State Univ, 66. Address: Dept. of Sociology, David Lipscomb College, Nashville, Tenn. 37203.
- TODD, DR. J(OHN) EDWARD, Psychol, see 10th ed, Soc. & Behav. Vols.
- TODD, DR. LEWIS PAUL, b. Camden, N.J, 06; m. 35; c. 1. SOCIAL & BEHAVIORAL SCIENCE. Ph.D.(hist. ed), Columbia, 43. Instr, Pennington Prep. Sch, N.J, 30-33; head dept. soc. studies, high sch, N.J, 33-40; Instr, Queens Col.(N.Y.), 41-44; prof. hist, Danbury State Col, 44-47; exec. asst, cmt. int. rels, Nat. Ed. Assn, 47-49; ED, SOC. ED, 47-; ED. WRITER, CIVIC LEADER, 50-; GEN. ED, HARCOURT, BRACE & WORLD, INC, 55- Prof, N.Y. Univ, 51. Hist. Assn; Polit. Sci. Assn; Anthropol. Assn. Publ: Co-auth, Man's ways and times, 54 & 60 & Mankind in time and place, 61, 64 & 67, Silver; co-auth, Rise of the American nation, Harcourt, 61, 64, 66 & 68. Address: Castle Rd, Truro, Mass. 02666.
- TOIGO, DR. ROMOLO, b. Chicago, Ill. Sept. 11, 28; m. 54; c. 2. SOCIOLOGY. Ph.B. Chicago, 48; Ph.D.(sociol), Columbia, 62. Teaching asst. statist, Columbia, 56-57; biomet. asst. sociol, schizophrenia prognosis proj, N.Y. State Psychiat. Inst, 57-58; res. asst, inst. res. except. children, Univ. Illinois, Urbana, 58-59; instr. sociol, sch. nursing, Columbia Mem. Hosp, Hudson, 61-64; res. assoc. Bur. Soc. Sci. Res. D.C. 64-65; ASSOC. PROF. SOCIOL. STATE UNIV. N.Y. ALBANY, 65- Res. sociologist & Nat. Insts. Health res. grant, 59-63; researcher inmate soc. orgn, N.Y. State Training Sch. Girls, Hudson, 62-63, prin. investr. & Nat. Inst. Ment. Health res. grant, peer culture proj, 63-64. Sig.C, U.S.A. 51-53. Sociol. Assn. Publ: Peer culture and the treatment of individual delinquents in an institutional setting, Proc. Nat. Assn. Training Schs. & Juvenile Agencies, 59: 73-100. An exploratory study of cottage reputation in a training school for girls, J. Res. Crime & Delinquency, 1: 110-118; Social status and schoolroom aggression in third grade children, Genetic Psychol. Monogr, 71: 221-268. Address: Dept. of Sociology & Anthropology, State University of New York at Albany, Albany, N.Y. 12200.
- TOKES, DR. RUDOLF L, b. Budapest, Hungary, Mar. 14, 35; U.S. citizen; m. 59. POLITICAL SCIENCE. B.A. Western Reserve, 59; M.A. Columbia, 61, Ph.D.(polit. sci), 65. ASST. PROF. GOVT, WESLEYAN, 64- Am. Coun. Learned Socs-Soc. Sci. Res. Coun. Joint Cmt. Slavic Studies faculty res. grant, 66-67. Polit. Sci. Assn. Comparative politics; Soviet and east European society; communist political theory. Publ: Bela Kun and the Hungarian Soviet Republic of 1919, Praeger, 67. Address: Dept. of Government, Wesleyan University, Middletown, Conn. 06457.
- TOKUHATA, DR. GEORGE K, Epidemiol, Pub. Health, see 11th ed, Phys. & Biol. Vols.
- TOKUHISA, THOMAS S, b. Los Angeles, Calif, Dec. 25, 22; m. 50; c. 3. ECONOMICS, MARKETING. A.B. Yale, 50; M.B.A. Chicago, 51, 52. Mkt. res. analyst, Spiegel, Inc, 51-54; RES. STAFF ASST, SEARS, ROEBUCK & CO, 54-U.S.A, 44-47, Lt. Col. Statist. Assn; Mkt. Assn. Analysis of sales areas and potentials; studies and reports on market and economic conditions. Address: 925 S. Homan Ave, Chicago, Ill. 60607.
- TOLAN, SISTER PROVIDENCIA, F.C.S.P, b. Anaconda, Mont, Feb. 24, 09. SOCIOLOGY. B.A. Col. Great Falls, 45; M.A. Catholic Univ, 52; Gonzaga, summers, 47-50; California, Berkeley, 66. Instr. sociol. & soc. work, COL. GREAT FALLS, 49-50, PROF. SOCIOL, 52-, HEAD DEPT, 58- Lectr. & training workshop participant, Missouri, Kansas City, 66-68. Consult, VISTA, Mont. Indian Reservations, 65-68; community action prog, Off. Econ. Opportunity, Kansas City area, 66-68. Mem, Great Falls Mayor's Cmt. Indian Pop, 62-64, secy. to cmt. housing & relocation, 67-68; workshop staff alcoholism, Univ. Utah, 66-67. Sociol. Assn; Acad. Polit. & Soc. Sci. Leadership among reservation Indians; comparative studies of on and off-reservation Indian populations; institutional contacts of Indians on and off reservations; social changes in American sisterhoods; Indian alcoholism; educational aspirations in Indian enclaves off the reservations. Publ: Co-auth, City and reservation Indians, Soc. Order. Address: College of Great Falls, Great Falls, Mont. 59401.
- TOLBERT, PROF. CHARLES M(ADDEN), b. Union, Miss, Sept. 14, 22; m. 49; c. 1. SOCIOLOGY. B.A. Miss. Col, 48; M.A. North Carolina, 54; Ph.D., La. State, 58. Instr. SOCIOL, Miss. Col, 49-54; asst. inst. pop. res, La. State, 56-57; asst. prof, BAYLOR, 57-59, assoc. prof, 59-60, PROF. & CHMN. DEPT, 60- Sociol. Assn. Race and ethnic relations, particularly American Indians and Negroes; sociology of religion; social organization. Address: Dept. of Sociology & Anthropology, Baylor University, Waco, Tex. 76703.
- TOLBERT, DR. ELIAS L(AKE), b. Middletown, Va, Dec. 11, 15; m. 47; c. 2. PSYCHOLOGY. M.A. Ohio State, 47; Ed.D.(guid), Columbia, 52. Voc. & ed. counsr, consultation serv, State Dept. Ed, Va, 48-49, 51-52; asst. prof. occup. info. & guid, N.C. State Col, 52-57; prof. guid. & dean students, Madison Col.(Va), 57-67; ASSOC. PROF. ED, FLORIDA, 67- U.S.A, 41-45, Maj. Psychol. Assn; Personnel & Guid. Assn. Counseling and psychology; vocational choice and adjustment; counseling procedures and techniques. Publ: Introduction to counseling, McGraw; Research for teachers and counselors, Burgess, 67. Address: 326 S.W. 27th St, Gainesville, Fla. 32601.
- TOLCOTT, DR. MARTIN A(RNOLD), b. New York, N.Y., Mar. 11, 22; m. 49; c. 2. PSYCHOLOGY. B.A. Columbia, 43, M.A. 44, Ph.D.(psychol), 48. Asst. psychol, Columbia, 44-45; res. fel, 45-46; mem. res. staff, div. bio-mech, Psychol. Corp, 46-48; Dunlap & Assocs, Inc, Conn, 48-61, v.pres. & dir. human factors eng. div, 61-66; dir. behav. anal. div, Center Naval Anal, Va, 66-68; PROG. MGR, SERENDIPITY ASSOCS, McLEAN, 68- AAAS; Psychol. Assn; Mgt. Assn. Industrial psychology; system analysis; human engineering. Publ: Conflict, a study of some interactions between appetite and aversion in the white rat, Genetics Psychol. Monogr; co-auth, Use of human engineering data in equipment design problems; Arrangement of equipment. Address: 2214 Martha's Rd, Alexandria, Va. 22307.
- TOLEDO, PROF. RAYMOND R, Bus. Admin, see 10th ed, Soc. & Behav. Vols.
- TOLLEFSON, PROF. ARTHUR L(EROY), b. Emmetsburg, Iowa, Jan. 19, 23; m. 49; c. 3. EDUCATIONAL PSYCHOLOGY. B.A. Concordia Col.(Moorhead, Minn), 48; M.A. Minnesota, 53, Ph.D. 56. Counsr, col. sci. lit. & arts, Minnesota, 50-52, instr. gen. studies, 52-53; counsr, Vet. Admin, Duluth, Minn, 53-54; dir. counseling center, Ferris Inst, 54-59; admin. asst. & counseling center mgr, West. Personnel Inst, 59-62; assoc. dean students & assoc. prof. ed, Calif. State Col. Fullerton, 62-66; assoc. prof. ED, OREGON STATE, 66-68, PROF, 68- Lectr, Claremont Grad. Sch, 59-63; assoc. Edward Glaser & Assocs. & Human Interaction Res. Inst, 64- Consult, Higher Ed. Execs. Assocs, 67- U.S.N, 43-46, Res, 46-53, Lt.(jg). Psychol. Assn; Personnel & Guid. Assn; Nat. Voc. Guid. Assn. College student characteristics and personnel work; vocational and educational counseling. Publ: Co-auth, The catalytic function of the counselor, Personnel & Guid. J, 4/60; Philosophy of college student personnel services: an integralist point of view and functional relations concept, Proc. Student Personnel Assn. Calif. Cols, 10/64; auth, A reappraisal of the continuum of counselor responsibility, J. Col. Student Personnel, 5/67. Address: School of Education, Oregon State University, Corvallis, Ore. 97331.
- TOLLEFSON, DR. DONALD L(LOYD), b. Chicago, Ill, Apr. 5, 31. PSYCHOLOGY, SOCIOLOGY. A.B. DePauw, 53; M.A. Illinois, 55, Ph.D.(psychol), 61. Asst. PSYCHOL, Illinois, 54-59; asst. prof, St. Olaf Col, 59-66; ASSOC. PROF. & CHMN. DEPT, CANISIUS COL, 66- AAAS; Psychol. Assn; N.Y. Acad. Sci. Factor analytic studies of personality; testing personality through responses to humor and music preferences; aesthetics. Publ: I.P.A.T. test of humor preferences. Address: Dept. of Psychology, Canisius College, Buffalo, N.Y. 14208.
- TOLLEFSON, DR. ROY M(ELVIN), b. Minn, July 18, 14; m. 43; c. 3. POLITICAL SCIENCE. M.A. Columbia, 46; Am-Scandinavian fel, 46-47; Ph.D. Chicago, 57. Instr. econ. hist. & geog, Concordia Col, 47-49; asst. prof. GOVT, SIMMONS COL, 51-60, assoc. prof, 60-68, PROF, 68- Spec. lectr, Univ. of the Americas, 65-66. U.S.N, 42-45. Polit. Sci. Assn. Political theory; socialism and cooperative movement; public opinion and mass media; international politics. Publ: Contrib, Dictionary of political science & Handbook of historical terms, Philos. Library. Address: 95 Highland Ave, Hull, Mass. 02045.
- TOLLEN, DR. WILLIAM B, Sociol, see 10th ed, Soc. & Behav. Vols, deceased 66.
- TOLLERSON, PROF. TANDY, III, b. San Antonio, Tex, Dec. 4, 30; div; c. 1. POLITICAL SCIENCE. A.B. Tillotson Col, 51; A.M. Texas Southern, 52; Ph.D.(polit. sci), Missouri, 63. Asst. prof. polit. sci, Prairie View Agr. & Mech. Col, 57-59; polit. sci. & hist, Grambling Col, 60-62, assoc. prof. polit. sci. & chmn. dept, Southern Univ, New Orleans, 62-64; fel, North Carolina, Chapel Hill, 64-65; Michigan, 65-66; PROF. POLIT. SCI, Southern Univ, Baton Rouge, 66-67; FISK, 67- U.S.A.F, 52-56, S/Sgt. Polit. Sci. Assn. Electoral behavior and political socialization. Address: Dept. of Political Science, Fisk University, Nashville, Tenn. 37203.

- TOLLES, PROF. N(EWMAN) ARNOLD, b. New York, N.Y., Sept. 21, 03; m. 29; c. 2. ECONOMICS. Ph.B. Chicago, 23, M.A. 24, traveling fel, Europe, 26-28, univ. fel, 27-29, Ph.D.(econ), 32; Thayer fel. & M.A. Harvard, 26. Asst. prof. econ. & sociol, Mt. Holyoke Col, 29-35; lectr. econ. American Univ, 35-39, dir. teaching inst. econ, 45-47; PROF. LABOR ECON, SCH. INDUST. & LABOR RELS, CORNELL, 47- Fulbright scholar. & guest prof, Munich, 53-54. Economist, U.S. Bur. Labor Statist, 35-45; asst. dir. res, wage & hour div, U.S. Dept. Labor, 38-40. Econ. Asn; Statist. Asn; Indust. Rels. Res. Asn. Wages structures; employment; history of economics theory. Publ: Labor costs and international trade; Origins of modern wage theories, Prentice-Hall, 64; Weathering layoffs in a small community, U.S. Dept. Labor Bur. Labor Statist Bull. 1516, 66. Address: New York State School of Industrial & Labor Relations, Cornell University, Ithaca, N.Y. 14850.
- TOLLEY, PROF. GEORGE S(TANFORD), b. Washington, D.C., Nov. 12, 25. ECONOMICS. B.A. American Univ, 47; M.A. Chicago, 50, Ph.D.(econ), 55. Res. assoc. econ, Chicago, 48-50, asst. prof, 50-55; assoc. prof, N.C. State Col, 56-58, prof, 58-65; dir. econ. res. serv, econ. develop. div, U.S. Dept. Agr, 65-66; PROF. ECON, CHICAGO, 66- Army Corps Eng. res. grant, 64-67; Nat. Sci. Found. res. grant, 66-67. Consult, Puerto Rico, 67. Mem. Nat. Acad. Sci. Cmt. Water, 64-; Civil Rights Cmn, 64; Appalachia Cmn, 65; President's Cmn. Rural Poverty, 67. U.S.A. 44-46. AAAS; Econ. Asn; Agr. Econ. Asn.(v.pres, 65-66); Economet. Soc; Int. Asn. Agr. Econ. Agricultural, regional and urban economics; economic development; migration; natural resources; monetary-fiscal policy; consumer demand. Publ: Ed, Economics of watershed planning; auth, Providing for growth of the money supply, J. Polit. Econ; Water, In: International encyclopedia of the social sciences, Macmillan, 68. Address: Dept. of Economics, University of Chicago, Chicago, Ill. 60637.
- TOLMAN, DR. C(HARLES) W(ALLACE), b. Oakland, Calif, Apr. 6, 35; m. 56; c. 4. PSYCHOLOGY. B.S. Washington (Seattle), 59, M.S. 60, Ph.D.(psychol), 62. Asst. prof. PSYCHOL, South Dakota, 62-63; Idaho State, 63-64; VICTORIA (B.C.), 64-67, ASSOC. PROF, 67- U.S.A. 53-57, Sgt. Animal Behav. Soc; Psychol. Asn. Social behavior of animals. Publ: Co-auth, Social feeding in domestic chicks, Animal Behav, 65, auth, The role of the companion in social facilitation of animal behavior, In: Social facilitation and imitative behavior, Allyn & Bacon, 68 & The varieties of social stimulation in the feeding behavior of domestic chicks, Behavior, 68. Address: Dept. of Psychology, University of Victoria, Victoria, B.C., Can.
- TOLOR, DR. ALEXANDER, b. Vienna, Austria, Oct. 21, 28; nat; m. 51; c. 3. CLINICAL PSYCHOLOGY. B.A. N.Y. Univ, 49, Eshborn scholar, & M.A. 50, Ph.D.(clin. psychol), 54. Psychol. intern, neurol. inst, Columbia-Presby. Med. Center, 52-53, staff psychologist, 53-55; sr. clin. psychologist, Inst. Living, Hartford, Conn, 57-59; dir. psychol. serv, Fairfield State Hosp, Newtown, 59-64; clin. dir. diag. & treatment clin, Kennedy Center, 64-65; ASSOC. PROF. PSYCHOL. & DIR. INST. HUMAN DEVELOP, FAIRFIELD, 65- Instr, Hartford, 58-59; lectr, Bridgeport, 59-60; grad. dept. ed, Fairfield, 60-65; clin. instr, sch. med, Yale, 63-66. Clin. psychologist, St. Luke's Hosp, N.Y. 53-54. Consult, Vet. Admin. Hosp, West Haven, Conn, 62-66; Dr. H. Philip Dinan Eval. Center, 65- Private practice, 60- Dipl. Am. Bd. Exam. Prinl. Psychol, 61. U.S.A.F. 55-57, Res. 57-, 1st Lt. Fel. Psychol. Asn. Projective techniques; psychotherapy; training of interns; detection of organic brain injury; psychology as practiced in hospitals. Publ: Co-auth, Evaluation of the Bender-Gestalt Test, C.C. Thomas, 63; Comparison of several measures of psychosexual disturbance, J. Proj. Tech; Comparison of the Bender-Gestalt Test and Digit Span Test as measures of recall, J. Consult. Psychol. Address: Dept. of Psychology, Fairfield University, Fairfield, Conn. 06430.
- TOLSTOY, DR. PAUL, b. Versailles, France, Sept. 20, 29; nat; m. 51; c. 1. ANTHROPOLOGY, ARCHAEOLOGY. B.A. Columbia, 51, Ph.D. 59; Fulbright fel, Peru, 58-59. Lectr. ARCHAEOLOGY, Hunter Col, 60-61; asst. prof, Montreal, 61-66; ASSOC. PROF, QUEENS COL.(N.Y.) & GRAD. CENTER, CITY UNIV. NEW YORK, 66- Ogden Mills fel, Am. Mus. Natural Hist, 60-61; Fulbright fel, Peru, 62; Can. Coun. fel, Mex, 63 & res. grant, Mex, 65-66; Nat. Sci. Found. res. grant, Mex, 65-68. Soc. Am. Archaeol. Archaeology of nuclear America, Mesoamerica and the Andes; archaeology of the Soviet Union, particularly in Asia; problems of intercontinental diffusion; comparative study of technology and material culture. Publ: Archaeology of the Lena basin and its New World relationships, Am. Antiquity; Surface survey of the northern valley of Mexico: the classic and post-classic periods, Transactions Am. Philos. Soc; Stone, bone and antler tools of Central Mexico from preclassic to Aztec times, In: Handbook of Middle American Indians. Address: Dept. of Anthropology, Queens College, Flushing, N.Y. 11367.
- TOM, PROF. C. F. JOSEPH, b. Canton, China, May 30, 22; nat; m. 48; c. 2. ECONOMICS. B.A. Hastings Col, 44; M.A. Chicago, 47, Ph.D.(econ), 63. Instr. ECON, Beloit Col, 48-54; asst. prof, LEBANON VALLEY COL, 54-64, assoc. prof, 64-67, PROF, 67- CHMN. DEPT. ECON. & BUS. ADMIN, 64- Vis. lectr, Rockford Col, 52-53; grad center, Capitol Campus, Pa. State, 67- Am. Econ. Asn; Hong Kong Econ. Asn. Monetary problems; economic theory; international economics. Publ: The entrepot trade and the monetary standards of Hong Kong: 1842-1941, Graphic Press, Hong Kong, 64; The economics of pricing, In: Principles of marketing, Pitman, 61; Monetary standard, entrepot trade, and prices: the Hong Kong experience, Hong Kong Econ. Papers, 12/64. Address: 626 Maple St, Annville, Pa. 17003.
- TOMAN, DR. WALTER, b. Vienna, Austria, Mar. 15, 20; m. 51; c. 2. PSYCHOLOGY. Ph.D. Vienna, 44, Schurz Found. fel, 47-48, venia legendi, 51, Instr, clin. psychol, Harvard, 51-52, 53-54; lectr, Vienna, 52-53; asst. prof. PSYCHOL, Brandeis, 54-57, assoc. prof, 57-62, PROF, 62-64; ERLANGEN, 64- Sr. res. assoc, Brandeis, 64- Am. Psychol. Asn; German Psychol. Asn; Austrian Psychol. Asn. Motivation; personality; environment; psychotherapy. Publ: Psychoanalytic theory of motivation; Family constellation; Motivation, personality and environment. Address: Dept. of Psychology, University of Erlangen-Nürnberg, 852 Erlangen, Bismarck Str. 1, Germany.
- TOMARS, DR. ADOLPH S, b. New York, N.Y., Feb. 12, 08. SOCIOLOGY. A.B. Columbia, 29, A.M. 30, Ph.D. 41. Tutor SOCIOL, CITY COL. NEW YORK,
- 31-36, instr, 36-45; asst. prof, 45-57, ASSOC. PROF, 57-, acting chmn. dept, 62-63, chmn. dept, 64-66. Guggenheim fel, 59-60; lectr, John L. Eliott Inst. Human Rels, 57 & 67; grad. div. N.Y. Univ, 58. Ed. consult, Collier's Encyclop, 59; Harper & Row, 64. Mem. pub. affairs cmt, New York, 61- Sociol. Asn; Soc. Study Social Probs. Sociological theory; sociology of art and of the family; urban sociology. Publ: Introduction to sociology of art; contrib. auth, Modern sociological theory, Dryden, 57; Sociology and history, Macmillan, 64. Address: 200 Riverside Dr, New York, N.Y. 10025.
- TOMASEK, PROF. HENRY J, b. Berwyn, Ill, July 21, 20; m. 49; c. 2. POLIT-ICAL SCIENCE. B.A. Chicago, 42, M.A. 46, Ph.D. 59. Instr. POLIT. SCI, NORTH DAKOTA, 46-49, asst. prof, 50-55, assoc. prof, 56-60, PROF, 61-, CHMN. DEPT, 62- U.S.A. 42-45. Polit. Sci. Asn. Administrative reorganization; legislative reapportionment. Publ: Administration of election laws in North Dakota; Administrative reorganization in North Dakota. Address: Dept. of Political Science, University of North Dakota, Grand Forks, N.Dak. 58201.
- TOMASEK, DR. ROBERT D(ENNIS), b. Chicago, Ill, Jan. 16, 28; m. 53; c. 2. POLITICAL SCIENCE. B.A. Grinnell Col, 50; Hopkins, 50-51; M.A. Michigan, 55, Ph.D. 57. Asst. prof. POLIT. SCI, KANSAS, 57-63, ASSOC. PROF, 63- Doherty fel, Chile, 60-61; vis.assoc. prof, Indiana, 66-67. U.S.A. 51-53. Polit. Sci. Asn. Latin American domestic politics and international relations; Chilean domestic politics; theory of international politics. Publ: Ed, Latin American politics, Doubleday, 66; Migrant hemisphere and pressure group politics, J. Polit; Defense of the Western Hemisphere, Midwest J. Polit. Sci. Address: Dept. of Political Science, University of Kansas, 414 Blake Hall, Lawrence, Kans. 66044.
- TOMASEVICH, PROF. JOZO, b. Kuna, Yugoslavia, Mar. 16, 08; nat; m. 37; c. 3. ECONOMICS. Dr.rer.pol, Basel, Switz, 32. Res. economist, Nat. Bank Yugoslavia, Belgrade, 35-38; asst. economist, food res. inst, Stanford, 40-43; sr. econ. analyst, For. Econ. Admin, 43-44; prin. econ. analyst, UNRRA, 44-46; res. economist, Fed. Reserve Bank San Francisco, Calif, 49-49; asst. prof. ECON, SAN FRANCISCO STATE COL, 49-54, PROF, 55- Rockefeller Found. res. fel, 38-40; vis. lectr, Columbia, 54-55; Nat. res. prof, Brookings Inst, 58-59. Econ. Asn. International economics; money and banking; Yugoslav economy. Publ: International agreements on conservation of marine resources; Peasants, politics, and economic change in Yugoslavia. Address: 2815 S. Court, Palo Alto, Calif. 94306.
- TOMASHEVICH, PROF. GEORGE VID, Anthropol, Sociol, see 10th ed, Soc. & Behav. Vols.
- TOMASIC, PROF. DINKO ANTHONY, b. Yugoslavia, Apr. 23, 02; m. 57; c. 3. SOCIOLOGY. J.D. Zagreb, 27; Rockefeller fel, Columbia, Chicago & California; Hoover fel, Stanford, 47-48. Prof. sociol, Zagreb, 36-41; vis. prof, Washington (St. Louis), 41; assoc. prof, Lawrence Col, 42; INDIANA, 43-55, PROF. area studies, 55-56, SOCIOL, 56- Ford Found. & Indiana Univ. res. grants, 43-; Hoover sr. fel, Stanford, 47-48; U.S. Air Force res. grant, Yugoslavia, 50-51. Proj. officer, U.S. Air Force, 49-50; chief eval. & res. Radio Free Europe, 57-58. Sociol. Asn. Sources of conflict and aggression in the Sino-Soviet orbit. Publ: Personality and culture in Eastern European politics, M.I.T. Press, 48; Impact of Russian culture on Soviet communism, Macmillan, 53; National communism and Soviet strategy, Pub. Affairs, 57. Address: Dept. of Sociology, Indiana University, Bloomington, Ind. 47401.
- TOMASSON, DR. RICHARD F(INN), b. Brooklyn, N.Y., May 28, 28; m; c. 3. SOCIOLOGY. A.B. Gettysburg Col, 49; M.A. Illinois, 53; Ph.D. Pennsylvania, 60. Instr. sociol, Gettysburg Col, 52-53; Pennsylvania, 55-58; Princeton, 58; Butler, 58-59; asst. prof, Scripps Found. Res. Pop. Probs, Miami (Ohio), 59-61; Illinois, 61-66, assoc. prof, 66-67; ASSOC. PROF. SOCIOL. & CHMN. DEPT, NEW MEXICO, 67- Fulbright lectr, Sweden, 63-64, Fulbright res. scholar, 64-65. U.S.A. 53-55, 1st Lt. Sociol. Asn; Pop. Asn; Int. Union Sci. Study Pop. Social stratification; Scandinavian societies; political sociology; sociology of education. Publ: Swedish society, Random, 68; co-auth, Student politics and higher education in Scandinavia, Houghton, 68; auth, From elitism to egalitarianism in Swedish education, Sociol. Ed, 65. Address: 309 Dartmouth Dr, N.E., Albuquerque, N.Mex. 87106.
- TOMAZINIS, DR. ANTHONY R, b. Larissa, Greece, June 24, 29; U.S. citizen; m. 62; c. 1. CITY PLANNING. B.C.E. Tech. Univ. Greece, 52; M.C.P. Ga. Inst. Tech, 59; Ph.D.(city planning), Pennsylvania, 63. Asst. community planner, DeKalb County Planning Cmn, Ga, 57; community planner, city planning div, Univ. Arkansas, 58; Atlanta Metrop. Planning Cmn, 58-59; res. asst. prof. urban transportation & city planning, PENNSYLVANIA, 62-66, ASSOC. PROF. CITY PLANNING, 66-, CHMN. TRANSPORTATION RES. GROUP, INST. ENVIRON. STUDIES, 67- Sr. analyst, transportation flows simulations, Penn Jersey Transportation Study, 60-62, chief transportation systems simulation, 62-64, transportation planning consult, 64-65; Del. Valley Regional Planning Cmn, 65- Mem. origine destination survs. cmt, Highway Res. Bd, Nat. Acad. Sci-Nat. Res. Coun, 64- C.Eng. Greek Army, 52-53. Inst. Planners; Inst. Traffic Eng; Regional Sci. Asn. Urban transportation planning and research; urban land use projection models; development of mathematical models for urban planning. Publ: A new method of trip distribution in an urban area, 64 & co-auth, Forming a comprehensive transportation flows model, 64, Hwy. Res. Bd. Bull; auth, The modal split model of the Penn Jersey Transportation Study Area, Hwy. Res. Bd. Record, 66. Address: Dept. of City Planning, University of Pennsylvania, Philadelphia, Pa. 19104.
- TOMBRINK, DR. KEITH B(ENJAMIN), b. Great Falls, Mont, Mar. 8, 32; m. 56; c. 2. INDUSTRIAL PSYCHOLOGY, STATISTICS. B.A. Gonzaga, 56; M.S. Purdue, 58, Ph.D.(indust. psychol), 60. Asst. psychol, 57-60; eng. psychologist, MISSILES & SPACE CO, LOCKHEED AIRCRAFT CORP, 60-61, PERSONNEL RES. PSYCHOLOGIST, 61- U.S.N. 53-55. AAAS; Psychol. Asn. Employee selection and placement; test development and validation; job performance appraisal; employee motivation; attitude measurement; job analysis; management development. Publ: Comparison of three types of work activity statements in terms of the consistency of job information reported by incumbents. Address: 1767 Lark Lane, Sunnyvale, Calif. 94087.

TOMEH, DR. AIDA K., b. Syria, Oct. 15, 33; m. 65. **SOCIOLOGY**. B.A. American Univ. Beirut, 54; Merrill-Palmer Inst. 55-56; Fulbright scholar, 55-58; M.A. Michigan 57, fel. 61-62; Ph.D.(sociol), 62. Instr. SOCIOL, Michigan, 61-62; asst. prof., Bowling Green State, 62-63; Beirut Col. Women, 63-65; **ASSOC. PROF.**, BOWLING GREEN STATE, 65-, faculty res. grant, 65-67. Nat. Sci. Instnl. res. grant, summer 67. Sociol. Asn. Urban sociology and cross-cultural research. Publ: Informal group participation and residential patterns, *Am. J. Sociol.*, 64; Informal participation in a metropolitan community, *Sociol. Quart.*, 67; Impact of reference groups on the education and aspirations of women college students, *J. Marriage & Family*, 68. Address: Dept. of Sociology, Bowling Green State University, Bowling Green, Ohio 43402.

TOMEK, DR. WILLIAM G(ODRICH), b. Table Rock, Nebr., Sept. 20, 32. **AGRICULTURAL ECONOMICS**. B.Sc. Nebraska, 56, M.A., 57; Ph.D.(agr. econ), Minnesota, 61. Res. assoc. AGR. ECON, Nebraska, 57-58; asst. prof., CORNELL, 61-66, **ASSOC. PROF.**, 66- Nat. Sci. Found. res. fel., summer 65. Consult. econ. res. serv. U.S. Dept. Agr. 66-67. U.S.A. 53-55. Agr. Econ. Asn. Agricultural policy; agricultural product prices; applied econometrics. Publ: Co-auth, Long-run demand: a concept, and elasticity estimates for meats, 8/62 & auth, Changes in price elasticities of demand for beef, pork, and broilers, 8/65, *J. Farm Econ*; auth, Apples in the United States: farm prices and alternate uses, 1947-1975, Cornell Univ. Exp. Sta. Bull, 68. Address: Dept. of Agricultural economics, Room 40, Warren Hall, State University of New York College of Agriculture at Cornell University, Ithaca, N.Y. 14850.

TOMKINS, PROF. SILVAN S(AMUEL), b. Philadelphia, Pa., June 4, 11; m. 46. **PSYCHOLOGY**. B.A. Pennsylvania, 30, M.A., 31, Ph.D.(philos), 34; Harvard, 36-38. Asst. psychol. clin. Harvard, 38-43, instr. psychol, 43-46, lectr. soc. rels, 46-47, res. assoc. psychol. col. entrance bd, Princeton, 47-48, dir. clin. training prog, 48-50, assoc. prof., 48-55, prof., 55-64; **PROF. PSYCHOL. & DIR. CENTER RES. COGNITION & AFFECT**, City Univ. New York, 64-68; **LIVINGSTON COL, RUTGERS**, 68- Nat. Inst. Ment. Health spec. fel., Center Adv. Study Behav. Sci., 60-61; Nat. Inst. Ment. Health career award, 63-Consult, Vet. Admin, 47-50; East. Pa. Psychiat. Inst. 55-56; Phila. Psychiat. Hosp., 57- Ed. Contemporary Psychopath., 43. Fel. AAAS; fel. Psychol. Asn. Thematic apperception test; projective test construction; personality theory. Publ: Thematic apperception test, Grune, 47; Affect, imagery and consciousness, Springer, 62, 63. Address: Livingston College, Rutgers, The State University, New Brunswick, N.J. 08903.

TOMLIN, DR. JOHN W(ILLIAM), b. Charlottesville, Va., Oct. 15, 28. **SOCIOLOGY, SOCIAL PSYCHOLOGY**. B.A. Virginia, 51, DuPont fel. 51-53, M.A., 53; Ph.D.(sociol), Maryland, 58. Instr. rural sociol, Virginia, 51-53; sociol, Maryland, 53-58; asst. prof. SOCIOL. & ANTHROP, N.C. State Col., 58-63; **LECTR. EUROPEAN DIV, MARYLAND**, 63- Asst, U.S. Dept. Agr., summer, 58; lectr. seminar, Heidelberg, 66. Interviewing consult, Nat. Ed. Asn, 61-62; Pittsburgh, 61-62. Sociol. Asn. Criminology; occupational sociology; family sociology; social structure of American military communities abroad; German correctional institutions; archaeological sites of North Africa and Turkey. Address: Dept. of Sociology and Anthropology, European Division, University of Maryland, APO New York 09403.

TOMLINSON, DR. HELEN, b. Wis., Sept. 13, 99. **PSYCHOLOGY**. B.A. Wisconsin, 21; M.A. Ohio State, 27; Ph.D.(ed. psychol), Texas, 42. Personnel technician, Merit Syst. Coun, Tex, 42-47; res. psychologist, personnel res. lab, aerospace med. div, Lackland Air Force Base, 48-66; **RETIRED**. Fel. Psychol. Asn: Psychomet. Soc. Aptitude tests; personnel selection and classification. Address: Braunfels Haus Apt. 22, New Braunfels, Tex. 78130.

TOMLINSON, DR. JERRY R., b. Keokuk, Iowa, Apr. 30, 33; m. 61; c. 1. **PSYCHOLOGY**. B.A. Grinnell Col., 55, M.A. Iowa, 62, Ph.D.(psychol), 63. Staff psychologist, ment. hyg. clin. Vet. Admin. Hosp, 63-64; **ASST. PROF. PSYCHOL, DRAKE**, 64- U.S.N.R., 55-58, Lt. Interpersonal perception; behavior modification. Publ: Situational and personality correlates of predictive accuracy, *J. Consulting Psychol.*, 67. Address: Dept. of Psychology, Drake University, Des Moines, Iowa 50311.

TOMLINSON, PROF. JOHN U(LYSSES), JR., b. Kansas City, Mo., Dec. 2, 30; m. 51; c. 3. **POLITICAL SCIENCE**. A.B. Ft. Hays Kans. State Col., 52, M.S., 53; Kansas, 60-68. Instr. high schs, Kans, 52-60; asst. instr. Western civilization, Kansas, 60-61; instr. POLIT. SCI., FT. HAYS KANS. STATE COL., 61-64, asst. prof., 64-67, **ASSOC. PROF.**, 67- Asst. inst. Univ. Kansas, 64-65. Polit. Sci. Asn; Soc. Pub. Admin. Municipal government and administration; public administration; government of soil conservation districts in Kansas; special district governments in Kansas. Address: Dept. of Political Science, Ft. Hays Kansas State College, Hays, Kans. 67601.

TOMLINSON, DR. TOMMY, b. Los Angeles, Calif., Sept. 11, 31; m. 50; c. 2. **CLINICAL PSYCHOLOGY**. M.S. Wisconsin, 59, Ph.D.(psychol), 62. Asst. prof. clin. psychol, California, Los Angeles, 62-67; **RES. PSYCHOLOGIST, POVERTY & URBAN DISORDERS, OFF. ECON. OPPORTUNITY**, 67- U.S.N., 50-54. Psychol. Asn; Soc. Psychol. Study Social Issues. Psychotherapeutic process and logical foundations of therapeutic interaction; urban riots and related problems of the cities. Publ: The therapeutic process as related to outcome, *Univ. Wisconsin*, 67; co-auth, New directions in client-centered therapy, Houghton, 68; auth, Negro reaction to the Los Angeles riot and the development of a riot ideology, *Am. Behav. Scientist*, 3/68. Address: Room 324, 1200 19th St. N.W., Washington, D.C. 20506.

TOMMERAASEN, DR. MILES, b. Sioux Falls, S.Dak., Jan. 30, 23; m. 45; c. 3. **BUSINESS ADMINISTRATION**. B.A. Morningside Col., 43; M.B.A. Northwestern, 48; Ph.D.(bus. orgn), Nebraska, 64. Staff acct, Arthur Andersen & Co., 46-50; prof. bus. admin, dean men & exec. v.pres, Morningside Col., 50-64; **ASSOC. PROF. BUS. ORGN, NEBRASKA, LINCOLN**, 64- Am. Acct. Asn; Inst. Cert. Pub. Acct; Finance Asn. Investment of state funds; corporate financial management. Publ: State centralized investment process—structure, controls and operations, *Univ. Nebraska*, 66. Address: Dept. of Business Organization & Management, University of Nebraska, Lincoln, Nebr. 68508.

TOMPA, PROF. ROBERT J., b. Newark, N.J., July 12, 21; m. 56; c. 2. **ECONOMICS**. A.B. Dartmouth, 44; A.M. State Teachers Col. Montclair, 50; Ph.D.(econ), Rutgers, 64. Teacher, Barnard Sch. Boys, 49-50; high sch, 50-51; **PROF. ECON, MONMOUTH COL.(N.J.)**, 54-, **CHMN. DEPT. BUS. ADMIN**, 62- Ayres fel, Stonier Grad. Sch. Banking, Rutgers, summer 66; fel, grad. sch. savings banking, Brown, summer 66. U.S.A.A.F., 44-46. Econ. Asn. Publ: Tight money, Rutgers, 67. Address: Dept. of Economics, Monmouth College, West Long Branch, N.J. 07764.

TOMPKIN, DR. J(OHN) ROBERT, Agr. Econ, see 10th ed, Soc. & Behav. Vols.

TOMPKINS, DOROTHY CAMPBELL, b. St. Paul, Minn., July 9, 08. **PUBLIC ADMINISTRATION**. A.B. California, 29, A.M., 37. Asst. INST. GOVT. STUDIES, CALIFORNIA, BERKELEY, 30-50, **ANALYST**, 50- Ed. Calif. Pub. Surv., 49- Criminology; federal administration. Publ: The offender: a bibliography, 63, White collar crime: a bibliography, 67 & Strikes by public employees and professional personnel, 67, *Inst. Govt. Studies, Univ. California*. Address: Institute of Governmental Studies, University of California, Berkeley, Calif. 94720.

TOMPKINS, PRES. PAULINE, b. Rhinelander, Wis., Mar. 5, 18. **POLITICAL SCIENCE**. A.B. Mt. Holyoke Col., 41, LL.D., 57; A.M. Fletcher Sch. Law & Diplomacy, 42, Ph.D., 48; LL.D. Hood Col., 60. Asst. hist. Tufts Col., 42-43; instr. & lectr. Wellesley Col., 44-46, 48-50, asst. prof. polit. sci., 50-52; assoc. prof. govt. & dean women's div, Colby Col., 52-57; prof. hist, Tung-hai, 58-59; gen. dir. Am. Asn. Univ. Women & Am. Asn. Univ. Women Ed. Found., 59-67; **PRES. CEDAR CREST COL**, 67- Instr. Pine Manor Jr. Col., 44-46; res. assoc. Mass. Inst. Tech., 47-49. Trustee, Pine Manor Jr. Col., 60-; Hood Col., 61-; mem. cmt. ed. President's Cmn. on status of women, 62-63; U.S. Adv. Cmn. Int. Ed. & Cultural Affairs, 64- Far Eastern international politics; American Far Eastern policy. Publ: American-Russian relations in the Far East. Address: 2868 College Dr, Allentown, Pa. 18104.

TONER, JEROME L., O.S.B., b. Winona, Minn., Feb. 10, 99. **INDUSTRIAL RELATIONS**. B.S. Washington (Seattle), 32; S.T.L. St. Martin's Sem, 34; A.M. Catholic Univ, 35, Ph.D., 41; summers, Columbia, 47-49. **PROF. INDUST. RELS, ST. MARTIN'S COL**, 41-, **DEAN SOC. SCI. & INDUST. RELS**, 48- Researcher, Europe, N.Africa, Can. & Mex. Mem, War Labor Bd, 42-45; participant, World Fedn. Trade Unions, France & Int. Confederation Free Trade Unions, Eng. Conf. Int. Labor Orgn, France; Cong. Int. Indust. Rels. Asn, Switz, 67; mem. Nat. Maritime Appeals Bd. American citizenship award, Vet. For. Wars, 50. Chaplain, U.S.A., 43-46. Econ. Asn; Indust. Rels. Asn; Arbit. Asn. Publ: There is no defense of right-to-work law, *Labor Law J*; Married working women & Right-to-work laws and the common good, *Rev. Soc. Econ.* Address: Division of Social Sciences, St. Martin's College, Olympia, Wash. 98501.

TONI, DR. YOUSSEF TANIOUS, b. Girga, Egypt, Apr. 2, 29; m. 61; c. 1. **SOCIAL GEOGRAPHY**. B.A. Alexandria, 52; Ph.D.(geog), Durham, 56. Vis. prof. GEOG, Damascus, 57-60; sr. lectr. Ain Shams, Cairo, 60-66; **ASSOC. PROF.**, Jordan, 66-67; **LAURENTIAN UNIV**, 67- Mem. Permanent Coun. Place-Names Arab World, 63-; Nat. Cmn. Atlas Arab World, 64- UNESCO cert. microclimat. for ecol. & soil sci., 60. Fel. Egyptian Geog. Soc; fel. Royal Geog. Soc; Asn. Am. Geog. Social anthropology; nomadism; population studies; geographical terminology; biogeography; Arab world; arid lands; Cyrenaica; the Levant; Egyptian deserts; land reclamation. Publ: A dictionary of geographical terms, *Dar El-Fikr El-Arabi*, 64; The population of Cyrenaica, *Tidschrift voor Econ. Soc. Geog.*, 1/58; Social mobility and relative stability among the Bedouin of Cyrenaica, *Bull. Egyptian Geog. Soc.*, 64. Address: Dept. of Geography, Laurentian University, Sudbury, Ont, Can.

TONNING, PROF. WAYLAND AVERY, b. Midvale, Idaho, Sept. 14, 12; m. 40; c. 4. **MARKETING, ECONOMICS**. B.S. Illinois, 53, M.S., 54, Earhart fel, 56, Ph.D., 59. Assoc. prof. mil. sci. & tactics, Illinois, 50-53, instr. MKT, 53-66; **PROF. MEMPHIS STATE**, 56- Sales & sales mgt. consult. U.S.A., 42-46, 50-53, Res, 53-, Lt. Col. Mkt. Asn; Econ. Asn. Marketing problems; measurement and evaluation of salesmen's performance; scientific sales and marketing management. Publ: Revisor, *Successful salesmanship*; auth, *How to measure and evaluate salesmen's performance*, Englewood Cliffs, 64; Department store development in down-state Illinois, *Harvard Bus. Hist. Rev.* Address: Dept. of Marketing, Memphis State University, Memphis, Tenn. 38111.

TONSOR, DR. STEPHEN JOHN, Mod. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

TONTZ, DR. ROBERT L(EE), b. Guthrie, Okla., May 18, 17; m. 44; c. 2. **AGRICULTURAL ECONOMICS**. B.S. Okla. State, 40, Ph.D.(agr. econ), 52; M.S. Iowa State Col., 41. Assoc. agr. economist, U.S. Dept. Agr, Ark. & Ga, 42-46; asst. prof. agr. econ, Okla. State, 47-55; agr. economist, land & water use, U.S. DEPT. AGR, 56-57, **CHIEF trade statist. br.**, for. agr. serv, 57-61, **TRADE STATIST. & ANAL. BR, ECON. RES. SERV.**, 61- U.S. Dept. Agr. superior serv. award, 65. Agr. Econ. Asn; Agr. Hist. Soc. Foreign economics; statistics; agricultural history. Publ: Ed. Foreign agricultural trade: selected readings, Iowa State Univ, 66; Reliability of deed samples as indicators of land market activity, *Land Econ*; Legal parity implementation of the policy of equality for agriculture, *Agr. Hist.* Address: 8712 Braeburn Dr, Annandale, Va. 22003.

TOOKER, DR. ELISABETH J(ANE), b. Brookline, N.Y., Aug. 2, 27. **SOCIAL ANTHROPOLOGY**. B.A. Radcliffe Col., 49, Ph.D.(anthrop), 58; M.A. Arizona, 53. Instr. anthrop, Buffalo, 57-60; teaching asst, Harvard, 60-61; asst. prof. econ. & sociol, Mt. Holyoke Col., 61-65; **ANTHROP, TEMPLE**, 65-67, **ASSOC. PROF.**, 67- AAAS; fel. Anthrop. Asn. North American ethnology. Publ: An ethnography of the Huron Indians, 1615-1649, *Bur. Am. Ethnol.* Bull. 190, 64. Address: Dept. of Anthropology, Temple University, Philadelphia, Pa. 19122.

TOOKER, DR. ELLIS D(ONALD), b. Hopkins, Mich., May 29, 15; m. 38; c. 2. **EDUCATIONAL PSYCHOLOGY**. B.S. & M.S. Michigan, 38; fel. Harvard, 51-52, Ed.D., 55. Teacher, pub. schs, Farmington Bd. Ed, 38-41; instr. tech.

- training, U.S. Dept. Army Air Force, 42-43; teacher, pub. schs, Grosse Pointe, Mich, 46-51; dir. bur. guid. & pupil adjust, PUB. SCHS, HARTFORD BD. ED, 52-65, ASST. SUPT. PUPIL PERSONNEL SERV, 65- U.S.N., 43-45. Psychol. Asn. Counseling psychology; personal, educational and vocational counseling of adolescents; measurement of aptitudes, achievement and characteristics of personality. Publ: Counselor role: counselor training, Personnel & Guid. J; What limits to public education? Clearing House. Address: Pupil Personnel Services, Hartford Board of Education, 249 High St, Hartford, Conn. 06103.
- TOOL, PROF. MARC(US) R(ED), b. Nebr, Aug. 3, 21; m. 43; c. 2. ECONOMICS. B.S. Denver, 43; M.A., 48; Ph.D.(econ), Colorado, 53. Asst. prof. ECON, San Diego State Col, 53-55; SACRAMENTO STATE COL, 55-60, assoc. prof, 60-65, PROF, 65- Res. consult, Acad. Senate Calif. State Colls, 66. U.S.A., 43-46, 1st Lt. Econ. Asn; Asn. Evolutionary Econ; Asn. Comp. Econ. Comparative economic systems; economic development theory; social value theory as related to economic theory. Publ: The California state colleges under the master plan, San Diego State Col, 66. Address: 5708 McAdoo Ave, Sacramento, Calif. 95819.
- TOOLE, PROF. K. ROSS, Am. West. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- TOOMEY, DR. LAURA C(AROLYN), b. Manchester, Conn, Mar. 29, 29. CLINICAL PSYCHOLOGY. B.S. Bates Col, 50; Trinity Col, 52-53; M.A., Connecticut, 54, U.S. Pub. Health Serv. fel, 56-57, Ph.D.(psychol), 61. Psychologist, Community Child Guid. Clin, 59-62, chief psychologist, 62-64; psychologist, SPRINGFIELD HOSP, MASS, 64-66, CHIEF PSYCHOLOGIST, 66- Res. psychologist, children's clin, Inst. Living, 61-64; asst. prof. Connecticut, 62-63. Psychol. Asn. Attitudes toward psychiatric hospitals and treatment; diagnosis and treatment of psychotic pre-school aged children. Publ: Co-auth, Evaluation of changes associated with psychiatric treatment, C.C. Thomas, 59. Address: 759 Chestnut St, Springfield, Mass. 01107.
- TOOPS, PROF. HERBERT A(NDERSON), b. Kiousville, Ohio, Sept. 18, 95; m. 22; c. 5. PSYCHOLOGY. B.A. & B.S. Ohio State, 16, M.A., 17, scholar, 17-18; scholar, Columbia, 19-20, Ph.D.(ed. psychol), 21. Res. assoc, inst. ed. res, Teachers Col, Columbia, 21-23; asst. prof. psychol, OHIO STATE, 23-27, instr. personnel psychol, 43, secy. univ. intel. test. cmt, 23-48, prof. PSYCHOL, 27-65, EMER. PROF, 65- Lectr, Metrop. Hosp. Sch. Nurses, 19; instr. & consult, aero-med. res. lab, Wright Field, U.S. Air Force, 47; consult, Ohio Inst, 24-25; Minnesota, 24-27; teachers salary invests, Cleveland, Ohio, 32; Boys Indust. Sch, Ohio, 40; YMCA, 41-48; off. sci. personnel res. & occup. anal. sect, Adj. Gen. Off, 43-44; Off. Secy. War, 44- Tech. interview specialist, U.S. Employ. Serv, N.Y., Ohio, 19; allocations specialist, Nat. Roster Sci. & Classified Personnel, 45. AAAS; fel. Psychol. Asn; Am. Geog. Soc; Math. Soc; Math. Asn; Inst. Math. Statist; Statist. Asn.(v-pres, 35-37); Economet. Soc; Psychomet. Soc. Personnel; statistical formulae; mental tests. Publ: Trade tests in education; co-auth, Academic progress & Psychology and the motorist. Address: 7 Page Hall, Ohio State University, Columbus, Ohio 43212.
- TOPETZES, DR. NICK JOHN, b. Milwaukee, Wis, June 21, 21; m. 53; c. 3. EDUCATIONAL PSYCHOLOGY. A.B. Ripon Col, 42; M.A., Marquette, 45; Ph.D.(guid, counseling), Wisconsin, 47. ASSOC. PROF. ED, MARQUETTE, 47- Counseling psychologist, 49-58, 61- Sig.C. U.S.A., 42-45. Psychol. Asn; Personnel & Guid. Asn; Ed. Res. Asn. Selection; prediction; mental testing; counseling; guidance; evaluation. Publ: Guidelines in guidance, Brown, 67. Address: 2709 E. Bellevue Place, Milwaukee, Wis. 53211.
- TOPKIS, BERNARD HARRY, b. Wilmington, Del, May 18, 97; m. ECONOMICS. Ph.B. Chicago, 22. Economist, indust. labor, U.S. Dept. Labor, 34-41; bus. & indust. analyst, Off. Price Stabilization, Off. Price Admin. & Off. Housing Admin, 41-46, 51-53; int. economist, U.S. Dept. State, 47-51; indust. statistician, U.S. Bur. Census, 54-55; LABOR ECONOMIST, U.S. DEPT. LABOR, 56- Econ. Asn. Minimum wages; industry; housing. Address: 3212 Northampton St. N.W., Washington, D.C. 20015.
- TOPMILLER, DR. DONALD ARTHUR, b. Cincinnati, Ohio, Sept. 7, 30; m. 50; c. 2. ENGINEERING & INDUSTRIAL PSYCHOLOGY. B.A., Miami (Ohio), 52; M.A., Lehigh, 54; Ph.D.(indust. psychol), Ohio State, 64. Res. psychologist, aeromed. labs, U.S. AIR FORCE, 56-60, aeronaut. systs. div, 60-61, AEROSPACE MED. RES. LABS, 61-65, CHIEF SYSTS. RES. BR, 65- Lectr, Wright State, 65-67. U.S.A., 54-56. Psychol. Asn; Human Factors Soc. Human performance in man-machine systems; systems research; decision making; systems effectiveness prediction and modelling techniques. Publ: A factor analytic approach to human engineering analysis and prediction of system maintainability, Aerospace Med. Res. Labs, Tech. Report 64-115; The effect of stroke width on linear interpolation, J. Appl. Psychol, Vol. 39, No. 4; co-auth, Response time to unexpected stimuli, Human Factors, 2/65. Address: 1576 Burchwood Dr, Fairborn, Ohio 45324.
- TOPPER, DR. ROBERT C(ARLTON), b. Wayne Co, Ohio, Sept. 8, 15; m. 37; c. 4. PSYCHOLOGY. B.S. Ashland Col, 36; M.A., Ohio State, 37; Chicago, 38; Ph.D.(psychol), Indiana, 47. Head dept. psychol, Centenary Col, 41-43; asst. prof. psychol, Emory, 46-48; chief clin. psychologist, Vet. Ment. Hyg. Clin, Ga, 48; chief clin. psychol. serv, Vet. Admin. Hosp, 48-49; consult, Rohrer, Hibler & Replogle, 49-54; consult. & admin. asst. to pres, Tex. Indus., Dallas, 54-56; CONSULT. PSYCHOL, 56- U.S.A., 43-46. Psychol. Asn. Psychotherapy; executive development; functions of corporation presidents, corporation philosophies and policies. Publ: Functions of a company president; A concept of management: the participating group; A procedure of selection: manual and forms. Address: 9729 Van Dyke Rd, Dallas, Tex. 75218.
- TOPPING, DR. CORAL WESLEY, b. Fitzroy Harbour, Ont, July 30, 89. SOCIOLOGY. B.A., Queen's, 12; B.D., Wesleyan, 20, S.T.D., 25; S.T.M., Union Theol. Sem.(N.Y.), 21; M.A., Columbia, 21, Ph.D., 29. Prof. social, Col. of Puget Sound, 23-29; assoc. prof. econ. polit. sci. & sociol, BRITISH COLUMBIA, 29-45, prof. SOCIOLOGY, 45-54, EMER. PROF, 54- Res. & writing, 54- Soc. Sci. Res. Coun. grant; vis. prof., Minnesota, 46-47; United Col,
- Winnipeg, 54-57; Wis. State Col.(Superior), 58-59; Willamette, 59-60. Mem. Can. Welfare Coun. Can. Army, 15-18, 39-45, Maj. Fel. Am. Sociol. Asn; Can. Sociol. Asn; Can. Corrections Asn. Engineering approach to crime; equalitarian family as fundamental invention; predicting success or failure in marriage. Publ: Canadian penal institutions; The family and modern marriage; Society under analysis. Address: 4613 W. Sixth Ave, Vancouver, B.C., Can.
- TORBERT, PROF. FRANCIS B, b. McMinnville, Tenn, Jan. 16, 04; m. 36. ECONOMICS. A.B. Stanford, 28; M.A., Southern California, 44. Training supvr, R.H. Macy Co, N.Y., 30-32, dir. training & personnel, 33-36; from asst. prof. to PROF. MGT, SAN DIEGO STATE COL, 45- Res. assoc, West. Behav. Sci. Inst, La Jolla, 61-65. Consult. to various bus. firms, Calif, 45-65. Sociol. Asn. Human factors in management; interpersonal relationships among workers. Publ: Personnel management in small companies, Inst. Indust. Rels, Univ. California, 59; Making incentive plans work, Harvard Bus. Rev, 9-10/59; Experiments with the management letter, Personnel, 1-2/64. Address: Dept. of Management, San Diego State College, San Diego, Calif. 92115.
- TORGERSEN, PROF. PAUL E(RNEST), b. New York, N.Y., Oct. 13, 31; m. 54; c. 3. INDUSTRIAL ENGINEERING. B.S. Lehigh, 53; M.S., Ohio State, 56, Ph.D.(indust. eng), 59. Instr. INDUST. ENG, Ohio State, 56-59; asst. prof, Okla. State, 59-67; PROF. & HEAD DEPT, VA. POLYTECH, 67- U.S.A.F.R., 53-55, Lt. Indust. Eng; Soc. Eng. Ed; Human Factors Soc; Arbit. Asn. Operations economy, Prentice-Hall, 66. Address: Dept. of Industrial Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 24060.
- TORGERSON, DEAN FERNANDO G(ORDON), b. Plaza, N.Dak, Mar. 5, 18; m. 49. SOCIAL WORK. ADMINISTRATION. A.B. Minot State Col, 39; M.S. Columbia, 49; Ph.D.(soc. work), Minnesota, 56. Chief soc. worker, U.S. Army Hosp, Ft. Ord, 50-51; chief soc. work serv, Letterman Gen. Hosp, 51-53; Walter Reed Gen. Hosp, 53-54; soc. work br, Med. Field Serv. Sch, Ft. Sam Houston, Tex, 55-59; consult. soc. work, Off. Surg. Gen. Army, 59-62; asst. prof. admin. med, Columbia, 62-65; dir, off. health care serv, State Calif, 65-67; DEAN SCH. SOC. WORK, TEXAS, ARLINGTON, 67- Lectr, Tenth U.S. Army Region Mgt. Conf, 59-62; Dept. Army del, White House Conf. on Children, 60; course dir. current trends Army soc. work, Walter Reed Army Inst. Res, 60; faculty mem, forensic sci. symp, Armed Forces Inst. Path, 60-62; assoc. dir. spec. serv. & adminstr. teamster center, Montefiore Hosp. & Med. Center, Bronx, N.Y., 62-66; lectr, southwest regional personnel mgt. exec. conf, Univ. Oklahoma Continuation Study Center, 62-64; Northeast Regional Personnel Mgt. Exec. Conf, N.J., 64-65; mem. spec. staff, New York City Regional Ment. Health Planning Cmt, 64-65. Consult, U.S. Army Hosp, Ft. Dix, N.J.; bur. health ins, Soc. Security Admin, Dept. Health, Ed. & Welfare, 65; Letterman Gen. Hosp, San Francisco, 66. Med.C. U.S.A., 46-62, Lt. Col. Nat. Asn. Soc. Worker; Publ Welfare Asn. Publ: The physical therapist and the management of emotional reaction to physical disability, Phys. Ther. Rev, 1/60; Counseling in the U.S. Army, In: Handbook of counseling techniques, Pergamon, 63; Mobilization of institutional resources for change, Nat. Asn. Soc. Workers, 65. Address: School of Social Work, University of Texas, Arlington, Tex. 76010.
- TORGERSON, DR. HAROLD W(ALTER), b. Clarkfield, Minn, Mar. 27, 05; m. 42; c. 1. FINANCE. B.B.A., Minnesota, 30; M.B.A., Northwestern, 31; Ph.D.(finance), 39. MEM. FACULTY, NORTHWESTERN, 31- Consult, Mortgage Bankers Asn. Am, 53-; State Commerce Cmn, 54-55; Penn-Tex. Corp, 56; New York Stock Exchange, 64-66. U.S.N.R., 42-45, Res, 45-67, Rear Adm. Econ. Asn; Finance Asn. Investments; corporation finance; money and banking. Publ: Co-auth, Investment principles and practices; One hundred short problems in corporation finance; auth, Developments in savings and loan associations, J. Finance. Address: 550 Sheridan Square, Evanston, Ill. 60202.
- TORGERSON, PROF. MALCOLM SCOTT, b. Albuquerque, N.Mex, Jan. 3, 22; m. 48; c. 1. ECONOMICS. B.A., Nebraska, 47, M.A., 48, Ph.D.(econ), 53; Missouri, 49-50. Teacher, high sch, Nebr, 48-49; asst. Nebraska, 51-53; asst. prof. bus. admin, Midland Col, 53-56; econ, Wittenberg Col, 56-57; assoc. prof. bus. admin, Northern Arizona, 57-65, PROF, 65-68; FINANCE, WESTERN ILLINOIS, 68- Summers, consult, Am. Nat. Ins. Co, 63, Gen. Elec. Found, Univ. Virginia, 66. U.S.A., 42-45. Econ. Asn; Finance Asn. Stock market; financial management; life insurance; social security economics; estate planning; economics. Address: Dept. of Finance, Western Illinois University, Macomb, Ill. 61455.
- TORGERSON, PROF. WARREN S(TANLEY), b. Hawley, Minn, Nov. 10, 24; m. 48; c. 2. PSYCHOLOGY. B.S., Calif. Inst. Tech, 47; Ed. Testing Serv, fel, Princeton, 48-51, M.A., 50, Ph.D.(psychol), 51. Asst. psychol, Wisconsin, 47-48; res. assoc, Soc. Sci. Res. Coun, 51-52, 54-55; asst. prof, Mass. Inst. Tech, 55-57, from staff mem. to group leader, Lincoln Lab, 59-64; PROF. PSYCHOL. & CHMN. DEPT, HOPKINS, 64- Res. assoc, Ed. Testing Serv, 54-55. Mem. psychobiol. panel, Nat. Sci. Found, 65-68; cmt. exam. aptitude testing, Col. Entrance Exam. Bd, 65- U.S.N.R., 43-46, 52-54, Lt. AAAS; Psychol. Asn; Psychomet. Soc; Psychonomic Soc; Soc. Exp. Psychol. Psychological scaling; judgment; psychophysics. Publ: Theory and methods of scaling; Multidimensional scaling. I Theory and method & Multidimensional scaling of similarity, 65, Psychometrika. Address: 101 Margate Rd, Lutherville, Md. 21093.
- TORGOFF, DR. IRVING, b. New York, N.Y., Mar. 22, 23; m. 50; c. 2. PSYCHOLOGY. B.S.S., City Col. New York, 50; Ph.D.(psychol), Rochester, 57. Res. asst. PSYCHOL, Merrill-Palmer Inst, 53-54, res. assoc, 54-66; ASSOC. PROF, OAKLAND, 66- Adj. res. assoc, Merrill-Palmer Inst, 66- C.Eng, U.S.A., 43-46. Psychol. Asn; Soc. Res. Child Develop; Soc. Psychol. Study Social Issues. Parental attitudes and influence technique behavior and their consequences for personality development. Publ: Co-auth, Toward a theory of influence techniques, Merrill-Palmer Quart, spring 54; auth, Personality and social development: societal influences, Rev. Ed. Res, 31: 475-486; co-auth, Differential impact of weight and height on Wetzel developmental age, Child Develop, 33: 737-750. Address: Dept. of Psychology, Oakland University, Rochester, Mich. 48063.

TORNEY, DR. JUDITH VOLLMAR, b. Oakland, Calif., Oct. 2, 37; m. 60; c. 3. **PSYCHOLOGY, SOCIOLOGY**. A.B. Stanford, 59; U.S. Pub. Health Serv. fel. Harvard, 59-60; U.S. Pub. Health Serv. fcls. & M.A. Chicago, 62, Ph.D. (human develop), 65. Res. assoc. human develop, Chicago, 62-65, res. consult, urban child center, 65-66; **ASST. PROF. PSYCHOL. ILL. INST. TECH.**, 67- Participant & mem. IEA Int. & U.S. Nat. Cmtes. Study Civics Ed, 67- Psychol. Asn; Soc. Res. Child Develop; Sociol. Asn. Socialization of children into political systems; development of international attitudes in children; models of attitude development. Publ: Co-auth, The development of political attitudes in children, Aldine, 67 & Religion, age, and sex in children's perceptions of family authority, Child Develop, 62. Address: Dept. of Psychology, Illinois Institute of Technology, Chicago, Ill. 60616.

TORPEY, DR. WILLIAM G(EOERGE), Mgt, see Suppl. V to 11th ed, Phys. & Biol. Vols.

TORRANCE, DR. E(LLIS) PAUL, b. Milledgeville, Ga., Oct. 8, 15. **EDUCATIONAL PSYCHOLOGY**. A.B. Mercer, 40; M.A. Minnesota, 44; Rackham fel. Michigan, 48-49, Ph.D.(ed. psychol), 51. Counsr. Minnesota, 45; counsr. & assoc. prof. psychol, Kans. State Col, 48-48, dir. counseling bur. & prof, 49-51; dir. res. soc. psychol, survival res. field unit, Air Force Personnel & Training Res.Center, Nev, 51-57; prof. ed. & dir. bur. ed. res. Minnesota, Minneapolis, 58-64, prof. **ED. PSYCHOL.**, 64-66; **PROF. & CHMN. DEPT. GEORGIA**, 66- Off. Ed. & Hill Family Found. res. grants, 59-63; Richardson Found. res. grant, 65-66. Lectr, Denver, 48; summers, Colo. State Col, 62; California, Berkeley, 64. Mem. Coun. for Except. Children, gov. at large, 66-67. U.S.A., 45-46. Fel. Psychol. Asn; Sociol. Asn; Soc. Group Psychother. & Psychodrama; Personnel & Guid. Asn.(award, 63); Nat. Asn. Gifted Children (citation, 67); Ed. Res. Asn. Identification of creative talent; measurement of creative thinking abilities; development and evaluation of instructional materials to facilitate creative growth; cross-cultural and longitudinal studies of creative development. Publ: Gifted children in the classroom, Macmillan, 65; Mental health and constructive behavior, Wadsworth, 65; Rewarding creative behavior, Prentice-Hall, 65. Address: Dept. of Educational Psychology, University of Georgia, Athens, Ga. 30601.

TORRENCE, PROF. LOIS E, b. McCune, Kans, July 5, 24. **GOVERNMENT**. B.A. Kans. Wesleyan, 45; M.A. Southern Methodist, 48; summer, Colorado, 49; Ph.D. American Univ, 61. Inst. Am. hist. Southern Methodist, 47-48; asst. prof. hist. Kans. Wesleyan, 48-51; dir. admissions, AMERICAN UNIV, 51-54; asst. prof. GOVT, 54-60, assoc. prof, 60-66, **PROF.**, 66-, **DIR. INSTNL. STUDIES**, 63-, asst. registr, 54-57, univ. registr, 57-63. Consult, U.S. Off. Ed, 65- Am. Polit. Sci. Asn; Can. Polit. Sci. Asn. Contemporary national party system and organization in Canada; governments of commonwealth nations; comparative government. Address: 1931 N. Cleveland St, Arlington, Va. 22201.

TORRES, DR. AURELIO A(DOLFO), b. Camaguey, Cuba, Jan. 22, 33; nat; m. 56. **PSYCHOLOGICAL PSYCHOLOGY**. Ph.D. Havana, 56; U.S. Pub. Health Serv. fel. Minnesota, 58-61, Ph.D. 61. Res. assoc. psychopharmacol, dept. psychiat, Columbia, 61-64; asst. prof. **PSYCHOL. WELLS COL**, 64-67, **ASSOC. PROF.**, 67- Grants, U.S. Pub. Health Serv, 62-63, Nat. Sci. Found, 64-67. Consult, 67- AAAS; Am. Psychol. Asn; N.Y. Acad. Sci; Inter-Am. Soc. Psychol. Psychopharmacology, conditioning, electroencephalography and other physiological correlates of behavior; experimental study of anxiety. Publ: Anxiety vs escape conditioning and tranquilizing action, J. Comp. Physiol. Psychol, 61; co-auth, Effect of anxiety on alpha responsiveness to light stimulation, Psychol. Reports, 12/66; Sensitization and association in alpha blocking conditioning, EEG Clin. Neurophysiol, 3/68. Address: Wells Rd, Aurora, N.Y. 13026.

TORREY, DR. GLENN E, Mod. European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

TORREY, DR. GORDON H, Near East. Studies, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

TORREY, PROF. JANE W(HEELWRIGHT), b. Atlanta, Ga., Oct. 3, 25. **PSYCHOLOGY**. B.A. Swarthmore Col, 47; M.A. California, 49, Ph.D. 51. Res. assoc. Minnesota, 51-53; instr. **PSYCHOL. CONN. COL**, 53-56, asst. prof, 56-63, **ASSOC. PROF.**, 63- Vis. prof. Spelman Col, 66-67- Psychol. Asn; Soc. Psychol. Study Social Issues. Psycholinguistics; educational psychology. Address: Box 1542, Dept. of Psychology, Connecticut College, New London, Conn. 06320.

TORRUELLAS, PROF. LUZ M(ARIA), b. San Juan, P.R., Mar. 24, 21. **ECONOMICS**. B.Ed. Puerto Rico, 41; M.A. Radcliffe Col, 47, Ph.D. 50. Asst. prof. **ECON. PUERTO RICO**, 47-49, assoc. prof, 49-57, **PROF.**, 57-, chmn. dept, 57-67. Econ. consult, P.R. Planning Bd, 51-52; P.R. Urban Develop. & Housing Admin, 67- Mem. Minimum Wage Cmt, 58-; adv. cmt. P.R. Employ. Security Bur, 60- Econ. Asn; Statist. Asn; Inter-Am. Planning Soc. Economic planning in Latin America; technical and skilled occupational needs in Puerto Rico. Publ: Collab. Wages, productivity and industrialization in Puerto Rico, Irwin, 65. Address: Dept. of Economics, Faculty of Social Sciences, University of Puerto Rico, Rio Piedras, P.R. 00931.

TOSCANO, DR. P(ETER) R(ALPH), b. Brooklyn, N.Y., Mar. 20, 20; m. 50; c. 2. **ECONOMICS**. Ph.B. Northwestern, 65; M.A. Chicago, 51, Ph.D. 56. Instr. econ. Connecticut, 51-52; Lehig, 53-55; asst. prof. Rockford Col, 55-56; Washington (Seattle), 56-57; Rensselaer Polytech, 57-60; Lake Forest Col, 60-62; Wisconsin, Milwaukee, 62-65, Ford Found. fel. economet, 63; **ASSOC. PROF. ECON.**, Western Illinois, 65-68; **LOYOLA (ILL.)**, 68- Ed. news & notes, J. Developing Areas, 65- U.S.A., 42-46. AAAS; Econ. Asn; Econ. Hist. Asn; Statist. Asn. Economic theory; international economics. Publ: Fernando Galiani, Int. Encyclop. of Soc. Sci, 68. Address: Dept. of Economics, Loyola University, Chicago, Ill. 60611.

TOSDAL, PROF. HARRY R(UDOLPH), b. Estherville, Iowa, Aug. 8, 89. **MARKETING, INTERNATIONAL RELATIONS**. B.S. St. Olaf Col, 09, LL.D., 40; Ph.D. Harvard, 15. Instr. econ. Mass. Inst. Tech, 15-16; asst. prof. Boston, 17-18, assoc. prof, 18-19, prof. & head dept, 19-20; asst. prof. mkt,

GRAD. SCH. BUS. ADMIN., HARVARD, 20-22, prof, 22-42, **BUS. ADMIN.**, 42-45, acting dir. doctoral prog, 60-61, **EMER. PROF.**, 56- Lectr, Harvard, 18-19; prof, Inst. Study Methods Bus. Direction, 57-59. Consult, 56-; corp. dir, Boston wholesale distributing firm & executor & trustee, N.Y. consult. firm, 56- Allerton award, Univ. Illinois. Fel. Am. Acad. Arts & Sci; Econ. Asn; Mgt. Asn; Mkt. Asn. International trade and transportation; marketing management and administration. Publ: Introduction to sales management; Selling in our economy; Salesman's compensation. Address: 70 Bow Rd, Belmont, Mass. 02178.

TOSI, DR. JOSEPH A(NDREW), JR, Ecol, see 11th ed, Phys. & Biol. Vols.

TOSTLEBE, PROF. ALVIN S(AMUEL), b. Cedar Falls, Iowa, Dec. 27, 94; m. 22; c. 3. **ECONOMICS**. A.B. Iowa State Teachers Col, 16; A.M. Columbia, 20, Ph.D. 24. Asst. prof. econ. Vermont, 20; instr. finance, Wharton Sch, Pennsylvania, 20-21; from instr. to assoc. **ECON.**, Columbia, 21-27; prof, **COL. WOOSTER**, 27-63, head dept, 31-60, **EMER. PROF.**, 63- Sr. agr. economist, bur. agr. econ. U.S. Dept. Agr, 41, prin. agr. economet, 44-45, 50-53; vis. prof, DePauw, 64-66 & Bluffton Col, 67. U.S.N., 18, Ens. Econ. Asn. Agricultural finance; money and banking. Publ: Growth of physical capital in agriculture, 1870-1950; Capital in agriculture: its formation and financing since 1870; co-auth, Impact of the war on the financial structure of agriculture. Address: 839 Forest Dr, Wooster, Ohio 44691.

TOTMAN, DR. CONRAD DAVIS, Japanese Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

TOTTEN, PROF. DON E(DWARD), b. Nov. 10, 21; m. 50; c. 3. **GEOGRAPHY**. M.A. Chicago, 50; Ph.D. Heidelberg, 57. Instr. geog. European Div, Maryland, 50-55, asst. prof. geog. & asst. dir. admin, 55-65; **PROF. GEOG. & CHMN. DEPT. CLARION STATE COL**, 65- Guest lectr, Heidelberg, 60-65. Mem. Baden-Württemberg Fulbright Selection Cmt, 61-65; v. chmn, Schurman Soc, Inc, Heidelberg, 62-65. Asn. Am. Geog. fel. Am. Geog. Soc. Geography of Europe and the Middle East; comparative education and international relations, especially between America and Europe. Publ: Erdoel in Sa'udi-Arabien. Address: Dept. of Geography, Clarion State College, Clarion, Pa. 16214.

TOTTEN, PROF. GEORGE O(AKLEY), III, b. Washington, D.C., July 21, 22; m. 48; c. 2. **POLITICAL SCIENCE**. B.A. Columbia, 46, M.A., 49; Rockefeller fel. Yale, 49-50, M.A., 50, univ. fel, 52, Soc. Sci. Res. Coun. fel, 52-53, Ph.D.(polit. sci), 54. Lectr. govt, E.Asian Inst, Columbia, 54-55; res. assoc. far east. affairs, Fletcher Sch. Law & Diplomacy, 55-58; asst. prof. polit. sci. Mass. Inst. Tech, 58-59; govt. & hist. Boston, 59-61, summers, dir. Asian Studies, 60-61; assoc. prof. **POLIT. SCI.**, Rhode Island, 61-64; **SOUTHERN CALIFORNIA**, 65-68, **PROF.**, 68- Ford Found. res. grant, 55-58; assoc. prof, Eastern Michigan, 65; summer vis. prof, Sophia Univ, Japan, 67. Chmn. Columbia Sem. Mod. East. Asia, Japan, 62-63. Mil. Intel, 42-44, 1st Lt. Polit. Sci. Asn; Acad. Polit. & Soc. Sci.(co-ed, Anns, 56); Asn. Asian Studies; Hist. Asn. Asian and European comparative politics, normative theory and political history, especially ideology, religion and social movements in political development. Publ: Democracy in prewar Japan: groundwork or facade?, Heath, 65; Social democratic movement in prewar Japan, 66 & co-auth, Socialist parties in postwar Japan, 66, Yale. Address: School of Politics and International Relations, von KleinSmid Center of International & Public Affairs, University of Southern California, Los Angeles, Calif. 90007.

TOUCHETTE, DR. PAUL EDWARD, b. Cambridge, Mass, Oct. 25, 38. **EXPERIMENTAL PSYCHOLOGY**. A.B. Harvard, 60, Ed.M., 63, Ed.D.(res. instr), 67. Asst. to dir. univ. cmt. programmed instr, Harvard, 62-64; researcher ed, Walter E. Fernald State Sch, 64-66; **PSYCHOLOGIST, NEUROL. SERV.**, MASS. GEN. HOSP, 66- AAAS. Instructional technology; stimulus control; testing and instruction of brain damaged subjects. Publ: Co-auth, Programmed instruction: an adjunct to the basic neuroanatomy course, Anatomical Record, 2/64; auth, The effect of graduated stimulus change on the acquisition of a simple discrimination in severely retarded boys, J. Exp. Anal. Behav, 1/68. Address: 2 Hawthorne Place, Boston, Mass. 02114.

TOUCHSTONE, DR. FRANK V(IRGIL), b. London, Ky, July 11, 27; m. 61; c. 1. **PSYCHOLOGY, EDUCATION**. B.A. Southern Methodist, 50; M.S. Purdue, 52, Ph.D.(psychol), 57. Counseling psychologist, Vet. Admin. Hosp, Marion, Ind, 56-60; clin. & counseling psychologist, Vet. Admin. Center, Shreveport, La, 60-63; **ASSOC. PROF. psychol.**, Centenary Col, 63-67; **ED. PA. STATE**, 67- Summer vis. prof, Purdue, 65 & 66. U.S.A.F., 46-49, Sgt. Psychol. Asn. Attitudes of Negroes about discrimination and prejudice; characteristics of counselors and their clerical staff; educational level, personality, attitudes of these professionals. Address: 118 Education & Psychology Center, Bldg. II, Pennsylvania State University, University Park, Pa. 16802.

TOUGH, PROF. ROSALIND, b. Dundee, Scotland, Jan. 27, 03. **SOCIOLOGY**. A.B. Wisconsin, 24, A.M., 25, Strong Ed. Found. scholar, 24-27; Columbia, 27-28; N.Y. Univ, 28-29; Ph.D. Northwestern, 33. Asst. inst. econ. res. Northwestern, 24-27; rural sociol, Wisconsin, 33-34; assoc. econ. analyst, Fed. Emergency Relief Admin, Wash, D.C., 34; instr. **SOCIOL.**, HUNTER COL, 34-39, asst. prof, 40-46, assoc. prof, 47-54, **PROF.**, 54- Sociol. Asn. Housing; urban sociology; sociological theory. Publ: Collab. Manhattan, social ecology and the changing skyline, Am. J. Econ. & Sociol., 10/64; The new zoning and New York City's new look, 2/65 & Social action in urban renewal, 11/66, Land Econ. Address: Dept. of Sociology, Hunter College, 695 Park Ave, New York, N.Y. 10021.

TOULMIN, GEORGE B(OWERS), b. Mobile, Ala, Sept. 7, 16; m. 49. **INTERNATIONAL AFFAIRS**. A.B. Alabama, 37, A.M., 47; Chicago, 46-47; Inst. Pub. Admin, 47-49. Asst. bur. pub. admin, Alabama, 37-39; 47; asst. mgr. field off, U.S. Soc. Security Bd, 39-41; assoc. prog. technician, Fed. Works Agency, 41-42; classification analyst, Food Distribution Admin, 43; asst. Legis. Adv. Cmn, Jefferson Co. Surv, Ala, 46; res. assoc. Inst. Pub. Admin, 47-49; assoc. prof. polit. sci, Arkansas, 49-51; admin. analyst, U.S. Dept. Agr, 51-52; from asst. chief regulations & procedures staff to dep. exec. dir. bur. int. orgn. affairs, U.S. Dept. State, 52-57; **MGT. ANALYST**, Gen. Serv.

- Admin, 57-60; int. staff, NATO, Paris, France, 60-65; Am. Embassy, New Delhi, India, 65-67; DEPT. STATE, WASH. D.C., 67- Res. coordinator & consult, Cmt. Reorgn. State Govt, Ark, 50. Mem. U.S. del. UN, San Francisco, 55. U.S.A., 43-46. Polit. Sci. Asn; Soc. Pub. Admin. American government; public administration; governmental policy and administration; international organizations; state and local government. Address: 3247 N. Albermarle St, Arlington, Va. 22207.
- TOUSLEY, PROF. R(AYBURN) D(EAN)**, b. Kans, Feb. 24, 11; m. 36; c. 2. **MARKETING**. B.S., Missouri, 31, A.M., 33; Ph.D., Northwestern, 43. Instr. econ. & bus., Okmulgee Jr. Col., Okla., 33-36; Tulsa, 36-37; asst. prof. bus. admin., Akron, 37-39; lectr. mkt. & mgt., Northwestern, 39-40; MKT, WASHINGTON STATE, 40, assoc. prof., 45, **PROF.**, 48- Economist, Off. Price Admin, 42-44; Fulbright lectr., Netherlands Sch. Econ., 64-65. Econ. Asn; Mkt. Asn.(assoc. res. ed., jour, 47-49). Publ: Co-auth, Principles of marketing; The Spokane wholesale market; auth, Economics of industrial alcohol. Address: Dept. of Marketing, Washington State University, Pullman, Wash. 99163.
- TOVEN, DR. J(OSEPH) RICHARD**, b. Reynoldsville, Pa., Oct. 25, 01; m. 29; c. 3. **PSYCHOLOGY**. A.B., Pa. State, 24; M.A., N.Y. Univ., 28; Ph.D.(psy-chol. & personnel), Fordham, 43. **PROF. SPANISH**, N.Y. UNIV., 25-, **DIR. JR. YEAR IN SPAIN**, 58-, asst. secy, Wash. Sq. Col., 27-34, chmn. faculty cmt. student welfare, 34-35, chmn. counseling on student advisement & dir. advisement, 34-38, guid. officer, univ., 38-41, asst. supvr. univ. admissions, 41-52, asst. dean, 52-56, adv. for. students, 41-61, dir. for. students center, 47-61, chmn. & adv., Fulbright Cmt, 49-61, chmn. dept. Spanish & Portuguese, 60-66. Fulbright res. award, Spain, 65. U.S.A.R., 25-61. Psychol. Asn. Personnel work with American and foreign students; evaluation and interpretation of foreign students credentials. Publ: Spain, Am. Coun. Ed., 67; Appraising a counseling program at the college level, In: Readings in modern methods of counseling. Address: 71 Vernon Place, Mt. Vernon, N.Y. 10552.
- TOW, DR. CLARENCE W(ESLEY)**, b. Gilman, Iowa, Oct. 14, 07; m. 42. **ECONOMICS**. B.A., Iowa, 28, M.A., 29; Harvard; Ph.D.(econ), Minnesota, 49. Instr. soc. studies, Burlington Jr. Col., 29-37; econ, Minnesota, 37-42; economist, Off. Price Admin, 42-44; financial economist, FED. RESERVE BANK OF KANSAS CITY, 44-50, dir. res., 50-52, v-pres, 52-62, SR. V-PRES, 63- Assoc. economist, Fed. Open Mkt. Cmt, 51- Econ. Asn; Finance Asn. Monetary policy; money and banking; treasury finance. Address: Federal Reserve Bank of Kansas City, Kansas City, Mo. 64198.
- TOWBIN, DR. ALAN P(AUL)**, b. New York, N.Y., Feb. 10, 29; m. 53; c. 2. **CLINICAL PSYCHOLOGY**. A.B., Cornell, 50; Sheffield Sci. Sch. fel, Yale, 50-52, M.S., 52, Ph.D., 55. **CLIN. PSYCHOLOGIST, VET. ADMIN. HOSP.**, WEST HAVEN, 55- Clin. instr., Yale, 57-62, clin. asst. prof., 62- Psychol. Asn. Rationale of good clinical practice; psychotherapy. Publ: Hostility in Rorschach content and over aggressive behavior, J. Abnorm. & Soc. Psychol; When are cook books useful, Am. Psychologist; Way to professional maturity, J. Clin. Psychol. Address: Psychology Service, Veterans Administration Hospital, West Haven, Conn. 06516.
- TOWLE, PROF. CHARLOTTE**, Soc. Work, see 10th ed, Soc. & Behav. Vols, deceased 66.
- TOWLE, PROF. JOSEPH W(ALTER)**, b. Potosi, Mo., Dec. 13, 09; m. 34; c. 3. **BUSINESS ADMINISTRATION**. A.B., Lehigh, 32; M.B.A., Northwestern, 38, Ph.D., 48. Asst. prof. indust. mgt., Northwestern, 45-48, assoc. prof., 48-54; **PROF. MGT. WASHINGTON (ST. LOUIS)**, 54-, **ACTING DEAN SCH. BUS. & PUB. ADMIN.**, 67- Spec. staff lectr., cent. sch., Int. Harvester Co., 48-53; Commonwealth Edison Co., 50-58; lectr., Chile, 58; Sicily, 59; Korea, 61. Ed. adv., Houghton Mifflin Co. Mgt. Asn; Soc. Adv. Mgt; Econ. Asn; Indust. Rels. Res. Asn. Publ: Co-auth, Retail personnel management; contrib, Personnel handbook. Address: School of Business, Washington University, St. Louis, Mo. 63130.
- TOWLE, PROF. LAWRENCE W(ILLIAM)**, b. Saco, Maine, May 24, 02; m. 27; c. 1. **ECONOMICS**. A.B., Bowdoin Col., 24; A.M., Harvard, 27, Ph.D., 32. Instr. ECON, Amherst Col., 27-29; instr. & tutor, Harvard, 30-33; instr., Williams Col., 33-34; Colgate, 34-35; assoc. prof., Lawrence Col., 35-42; **PROF. & HEAD DEPT. TRINITY COL. (CONN)**, 42-, **SECY. FACULTY**, 47- Vis. prof., Florida, 42; Bowdoin Col., 47. Consult, Inst. U.N., Mt. Holyoke Col., 49-52. Prin. economist, Off. Alien Property Custodian, 42-43; dir., Hartford Fed. Savings & Loan Asn, 61- Am. Econ. Asn; Royal Econ. Soc. International trade; money and banking; economic theory. Publ: International trade and commercial policy; Time deposits. Address: 11 Riggs Ave, West Hartford, Conn. 06107.
- TOWLE, DR. MARGARET A(SHLEY)**, Bot, Anthropol, see 11th ed, Phys. & Biol. Vols.
- TOWNER, PROF. LEONARD W(IMBERLEY)**, JR., b. Long Beach, Calif., Dec. 3, 18; m. 42; c. 5. **EDUCATIONAL PSYCHOLOGY**. A.B., California, 40, M.A., 47, Ph.D.(ed), 48. Asst. prof. psychol., Drake, 48-50, assoc. prof., 50-51; res. assoc. med. ed. med. sch., California, 51-52, asst. res. oncologist, 52-55; asst. prof. **PSYCHOL. CALIF. STATE COL. LONG BEACH**, 55-59, assoc. prof., 59-63, **PROF.**, 63-, **ASSOC. DEAN**, 67- Vis. prof., California, 53, lectr., 54-55, sch. nursing, 55, instr., ed. exten. div., 55; summer vis. prof., California, Berkeley, 67. Consult, Autometrics Div., N.A.M. Rockwell Corp., 59-61. U.S.N.R., 43-46, Lt. AAAS; Psychol. Asn; Psychomet. Soc; Statist. Asn. Test theory; statistics; engineering psychology. Publ: Co-auth, Cancer learning in the medical school; auth, Reliability coefficients obtained under varying degrees of deviation from theoretically perfect conditions & A factorial investigation of medical students' knowledge of cancer at different levels of training, Ed. & Psychol. Measurement. Address: Dept. of Psychology, California State College at Long Beach, Long Beach, Calif. 90801.
- TOWNSEND, DR. AGATHA**, b. Lyndonville, N.Y., Feb. 23, 14; m. 51; c. 1. **EDUCATIONAL PSYCHOLOGY**. A.B., Rollins Col., 35; B.S., N.J. State Teachers Col., Newark, 37; M.A., Columbia, 40, Ph.D., 50. Asst. & res. assoc. Ed. Records Bur., N.Y., 42-53, consult, 54-; reading consult, Stroud Union Sch. Dist., Pa., 61-65, fed. coordinator, 65-67; RES. SCIENTIST, PROJ. PLAN, AM. INSTS. RES., 67- Instr., univ. col., Rutgers, 50-53; personnel, Penn-East Eng. Corp., 54-; prof., Kutztown State Col., 57-59; personnel, Ortho Magnetics, Inc., 61-65. Consult, Atlantic Electronics Corp., 52-53. Fel. AAAS; Psychol. Asn; Ed. Res. Asn. Educational testing and guidance; educational and industrial personnel; remedial education. Publ: College freshmen speak out; co-auth, Improving transitions from school to college; College reading manual. Address: P.O. Drawer AM, Los Altos Hills, Calif. 94022.
- TOWNSEND, DR. ALAN H(ARDY)**, Clin. Psychol, see 10th ed, Soc. & Behav. Vols.
- TOWNSEND, DR. CHARLES R**, U.S. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- TOWNSEND, DEAN DAVID (CALDOW)**, b. Atlantic, Iowa, Apr. 5, 27; m. 51; c. 2. **ECONOMICS**. B.A., Cornell, 48; M.A., Michigan, 49; fel. & Ph.D.(econ), La. State, 53. Instr. econ., La. State, 49-53; asst. prof., Houston, 53-55; prof. & head dept., Stephen F. Austin State Col., 55-59; assoc. prof. finance, Texas, 59-63; DEAN sch. appl. arts & sci., NORTHWEST. STATE COL.(LA.), 63-67, SCH. BUS., 67-, **PROF. FINANCE**, 67- Mem. res. staff, Bd. Governors, Fed. Reserve Syst., D.C., 61-62. U.S.N.R., 44-46, Res., 51-, Lt. Econ. Asn; Finance Asn. Money; banking; business conditions; international finance. Publ: Economic role of international monetary blocks, Southwest Soc. Sci. Quart; Gold vs. paper, and the contemporary monetary system of the United States, Tex. Bus. Rev., 9/63. Address: 932 Nettie St, Natchitoches, La. 71457.
- TOWNSEND, PROF. EDWARD A**, Psychol, see 10th ed, Soc. & Behav. Vols.
- TOWNSEND, PROF. EVERETT B(EAUMONT)**, b. Clermont, N.J., Mar. 2, 05. **ECONOMICS**. B.S., Temple, 26, M.S., 30; Ed.D., Rutgers, 37. Teacher, Hatch Jr. High Sch., N.J., 26-33; Woodrow Wilson High Sch., 33-40; prin., Cramer Elem. & Jr. High Sch., 40-42; Woodrow Wilson High Sch., 45-47; assoc. prof. econ. & dir. courses, Rider Col., 47-50; **PROF. ECON. BEAVER COL.**, 50- Prin., Evening Schs., N.J., 30-40. Consult, State Dept. Ed., Md., 58-; Cmn. Accreditation Private Bus. Schs., 63- U.S.A.A.F., 42-45, Sgt. Econ. Asn. Broad based program for economic literacy. Publ: Business orientation: a first course for college students of business. Address: Dept. of Economics, Beaver College, Glenside, Pa. 19038.
- TOWNSEND, DR. JAMES TARLTON**, b. Phillips, Tex., July 9, 39; m. 59; c. 3. **EXPERIMENTAL PSYCHOLOGY**. A.B., Fresno State Col., 61; Nat. Defense Ed. Act fel., Stanford, 62-65, Ph.D.(exp. psychol), 66. Exp. psychologist, Stanford Res. Inst., 65-66; ASST. PROF. EXP. PSYCHOL. & MATH. MOD-ELS, Hawaii, 66-68; PURDUE, 68- AAAS; Psychol. Asn. Perception and learning; mathematical theories of human pattern perception and multi-symbol visual perception with short display durations. Publ: Choice behavior in a cued-recognition task, Inst. Math. Studies Soc. Sci., 66; co-auth, Influence of correlated visual cues on auditory signal detection, 66 & information available in brief tactile presentations, 66, Perception & Psychophys. Address: Dept. of Psychology, Purdue University, Lafayette, Ind. 47907.
- TOWNSEND, DR. JOAN B(ROOM)**, b. Dallas, Tex., July 9, 33; div; c. 2. **ANTHROPOLOGY**. B.A., California, Los Angeles, 59, Nat. Defense Ed. Act fel. & Ph.D.(anthrop), 65. Instr. ANTHROP., eve. div., East Los Angeles Col., 62-63; asst. prof., Calif. State Col. Los Angeles, 63; instr., Southern Illinois, 63-64; lectr., MANITOBA, 64-65, ASST. PROF., 65-, North. Studies Cmt. res. grants, 66-68. Nat. Res. Coun. Can. grant, 67-68. AAAS; fel. Anthropol. Asn; Soc. Am. Archaeol; Soc. Appl. Anthropol. Cultural anthropology and archaeology; culture change; southwestern Alaskan Indians and Eskimos; circumpolar research. Publ: Co-auth, Archaeological investigations at Pedro Bay, Alaska, Anthropol. Papers, Univ. Alaska, 61; auth, Tanaina ethno-history ..., an example of a method for the study of culture change, Univ. Kentucky Studies Anthropol. (in press). Address: Dept. of Anthropology, University of Manitoba, Winnipeg 19, Man. Can.
- TOWNSEND, DR. JOHN C(HALMER)**, b. Finleyville, Pa., Mar. 28, 20; m. 44; c. 3. **PSYCHOLOGY**. B.S., Pittsburgh, 46, M.S., 47, Ph.D., 48. Res. asst. psychol., West. State Psychiat. Inst. & Clin., 47-48; asst. prof., West Virginia, 48-52, assoc. prof., 52-53; chief training res., basic pilot res. lab., personnel & training res. center, U.S. Dept. Air Force, 53-55, chief scientist, interceptor pilot res. lab., 56-57; **PROF. PSYCHOL. & PSYCHIAT.**, CATHOLIC UNIV., 57- Consult, NASA, 64- U.S.A.A.F., 42-45, Capt. Psychol. Asn. Experimental and aviation psychology; scientific methodology. Publ: Introduction to experimental methods; co-auth, Effects of electroshock stimulus, J. Comp. & Physiol. Psychol; Suggested ways of improving instruction in the primary pilot training program. Address: Dept. of Psychology, Catholic University, Washington, D.C. 20017.
- TOWNSEND, DEAN MAURICE KARLEN**, b. Yakima, Wash., Feb. 9, 26; m. 56; c. 4. **POLITICAL SCIENCE**. A.B., Boston, 49; A.M., Chicago, 50, Ph.D. (polit. sci.), 54. Lectr. polit. sci., eve. div., univ. col., Chicago, 53-56; staff asst., Pub. Admin. Clearing House, Ill., 54-56, asst. to dir., 56; asst. prof. polit. sci., Virginia & res. asst., bur. pub. admin., 56-57; mem. field staff, Pub. Admin. Serv., Ill., 57-59; mgt. develop. rep., Sperry Gyroscope Co., N.Y., 59-61, adminstr. personnel register, 61-62, long range planning specialist, 62-63; assoc. prof. polit. sci. & asst. to pres., Moorhead State Col., 63-64, acting acad. dean, 64-65, prof. & acad. dean, 65-66; **PROF. POLIT. SCI. & DEAN**, STANISLAUS STATE COL., 68- Instr., Ill. Inst. Tech., 54-56. U.S.A.A.F., 44-45. Address: Stanislaus State College, Turlock, Calif. 95380.
- TOWNSEND, PROF. ROSWELL G(EOURGE)**, b. High Bridge, N.J., July 7, 18; m. 39, 60; c. 2. **ECONOMICS**. A.B., Duke, 40, A.M., 41; A.M. & Ph.D.(econ), Harvard, 48. Instr. econ., Richmond, 42; asst. economist, Bur. Labor Statist., 42-43; asst. prof. ECON., St. Lawrence, 48-50; assoc. prof., WILSON COL., 50-58, **PROF.**, 58- U.S.N.R., 43-46, Lt. Am. Econ. Asn; Royal Econ. Soc. Taxation; money and banking; the Spanish economy; modern corpora-

tion. Publ: Inequalities of residential property taxation in metropolitan Boston, Nat. Tax J; An application of the Durand method for estimating the size distribution of a given aggregate income, Rev. Econ. & Statist. Address: Dept. of Economics, Wilson College, Chambersburg, Pa. 17201.

TOWNSHEND-ZELLNER, PROF. NORMAN, b. Brooklyn, N.Y., Nov. 5, 23; m. 54; c. 4. AGRICULTURAL ECONOMICS. B.S. California, 47, Carr fel, 47-48, Ph.D., 54. Lectr. agr. econ. California, 53; asst. prof. Tennessee, 55-56; agr. economist, hort. crop sect, agr. mkt. serv. U.S. Dept. Agr., 56-60, basic res. group, econ. res. serv., 60-63; assoc. res. economist, California, Los Angeles, 63-64; PROF. ECON. CALIF. STATE COL. FULLERTON, 64-. DIR. CENTER ECON. ED., 65-, chmn. dept. econ. 64-67. Consult, Calif. State Dept. Ed., 65-. U.S.A., 43-46, Econ. Asn; Agr. Econ. Asn. (award, Farm Econ. Asn., 54). Economic education. Publ: Resource document for a one-semester course in the United States economy, Calif. Dept. Ed., 67; co-auth, Conflicts between some assumption underlying production and welfare economics & Effect of marketing orders on market structures and some consequent developments, J. Farm. Econ. Address: Dept. of Economics, California State College at Fullerton, Fullerton, Calif. 92631.

TOWSTER, PROF. JULIAN, Polit. Sci., see 10th ed, Soc. & Behav. Vols., deceased 65.

TOZZI, DR. JIM J., b. Magnolia, Ohio, July 12, 38; m. 64; c. 1. ECONOMICS. B.S. Carnegie Inst. Tech., 60; M.R., Pittsburgh, 61; Ph.D. (econ), Florida, 63. OPERS. RES. ANALYST, OFF. SECY. ARMY, 65-. U.S.A., 64-66, Capt. Econ. Asn. Regional planning. Address: Office of the Secretary of the Army, Bldg. T-7, Gravelly Point, Va. 20315.

TRABASSO, DR. THOMAS, b. Poughkeepsie, N.Y., May 25, 35; m. 58. EXPERIMENTAL PSYCHOLOGY. B.S. Union Col., 57; M.A. Mich. State, 59, Ph.D. (exp. psychol), 61. Nat. Inst. Ment. Health fel, Stanford, 62-63; ASST. PROF. PSYCHOL. CALIFORNIA, LOS ANGELES, 63-. Psychol. Asn. Discrimination learning; attention; concept formation; mathematical models of learning. Address: Dept. of Psychology, University of California, Los Angeles, Calif. 90024.

TRABUE, DR. M(ARION) R(EX), Psychol., see 10th ed, Soc. & Behav. Vols.

TRACEY, PROF. MINNIE B., b. Dec. 24, 01. MARKETING. A.B. Michigan, 24; M.S.C. Denver, 35; Ph.D. Ohio State, 48. Asst. prof. secretarial sci., Alabama Col., 37-44; bus. admin. Wittenberg Col., 46-48; assoc. prof. mkt., Drake, 48-51; PROF. MKT. & MGT., I.A. POLYTECH., 51-. Mkt. Asn; Econ. Asn. Design piracy; marketing of frozen food products. Address: Box 639, Tech Station, Louisiana Polytechnic Institute, Ruston, La. 71270.

TRACHSEL, PROF. HERMAN H(ENRY), b. Bloomfield, Iowa, Sept. 14, 97; m. 22. PUBLIC ADMINISTRATION. A.B. Iowa State Teachers Col., 22; fel, Iowa, 24-25, A.M., 25, Ph.D., 26. Supt. schs, Iowa, 21-23; asst. polit. sci., Iowa, 25-26, instr., 26-29; assoc. prof. govt., South Dakota, 29-34, prof., 34-38, head dept., 29-38; assoc. prof. POLIT. SCI., Iowa, 38-48; prof. & head dept., WYOMING, 48-64, LIMITED SERV. PROF., 64-. Soc. Pub. Admin. Administration and regulation of public utilities. Publ: Co-auth, Government and administration of Wyoming. Address: Dept. of Political Science, University of Wyoming, Laramie, Wyo. 82071.

TRACY, DR. MARGARET ELLIOTT, b. Lowell, Mass., Oct. 28, 91; m. 33. LABOR ECONOMICS, INDUSTRIAL RELATIONS. A.B. Wellesley Col., 14; A.M., Radcliffe Col., 21, Ph.D., 24; Whitney traveling fel. from Radcliffe Col., London, 24. Asst. prof. PERSONNEL MGT., MICHIGAN, 25-29, assoc. prof., 29-32, prof., 32-56, EMER. PROF., 56-. Trustee, Wellesley Col., 36-42. Econ. Asn. Labor relations; women's occupations; earnings of women in business and the professions. Address: 24 Ridgeway Rd., Ann Arbor, Mich. 48104.

TRACY, DR. WILLIAM H(UGHES), b. Willimantic, Conn., Aug. 13, 19; m. 48; c. 3. CLINICAL PSYCHOLOGY. B.S. Connecticut, 41; A.M. Boston, 45, Ph.D., 56. Psychologist, Gardner State Hosp., Mass., 45-46; counsr., Norfolk House Center, 46-50; chief psychologist, Bacon Health Center, Del., 50-53, 55-56; asst. physiol. psychol., Boston, 53-55; supvr. psychologist, East. Pa. Psychiat. Inst., 56-59; CHIEF PSYCHOLOGIST, CHESTER COUNTY MENT. HEALTH CENTER, 59-. Consult, Bacon Health Center, Del., 56-58. Psychol. Asn. Psychological examination; psychotherapy. Publ: Notes on the concept of intelligence, Del. State Med. J.; co-auth, Aversive behavior, Am. J. Psychol. & Use of auditory stimuli, Science. Address: Chester County Mental Health Center, Inc., 310 N. Matlack St., West Chester, Pa. 19380.

TRAFTON, DR. CLINTON L., b. Albuquerque, N.Mex., Jan. 25, 33; m. 50; c. 3. PSYCHOLOGY. B.S.E.E. New Mexico, 59, M.S., 62; Ph.D. (psychol), Illinois, 65. Assoc. engr., Boeing Airplane Co., Wash., 59-60; instr. PSYCHOL., New Mexico, 62; ASST. PROF., Pomona Col., 65-67; ARIZONA, 67-. U.S.A., 54-56. Neurological correlates of drug addiction and of positive and negative affect; emotion. Publ: Co-auth, chap. In: Thirst, Pergamon, 64; co-auth, Activity contour maps as related to preference, 64 & auth, Effects of lesions in the septal area and cingulate cortical areas on avoidance behavior in rats, 67, J. Comp. & Physiol. Psychol. Address: Dept. of Psychology, University of Arizona, Tucson, Ariz. 85721.

TRAFTON, GEORGE H(ENRY), b. Rochester, N.H., Sept. 7, 01; m. 48. ECONOMICS. A.B. Dartmouth Col., 24; Wisconsin. Instr. econ., Dartmouth Col., 27-28; asst. Am. Asn. Labor Legis., 29-40; sr. inspector, wage & hour div., U.S. Dept. Labor, 40-41, chief anal. studies sect., Bur. Old-age & Survivors Ins., 41-45, Econ. Studies Br., 45-65; RES. CONSULT., MD. STATE CMN. AGING, 67-. Labor economics; social insurance; aging. Address: 934 Dulaney Valley Rd., Baltimore, Md. 21204.

TRAGER, DR. EDITH CROWELL, Anthropol. Ling., see 10th ed, Soc. & Behav. Vols.

TRAGER, DR. FELICIA HARBEN, b. Detroit, Mich., Mar. 13, 30; m. 61; c. 2. ANTHROPOLOGY. B.A., Wayne State, 57; Woodrow Wilson fel., Buffalo, 57-

58, univ. fel., 58-59, M.A., 59; Am. Coun. Learned Socs. grant, Texas, Austin, summer 61; Nat. Sci. Found. fels., State Univ. N.Y. Buffalo, 61-63, 64-67, Ph.D. (anthrop), 68. Instr. Eng. for foreigners, American Univ., 58-59, proj. assoc., Center Appl. Ling., 59-61; instr. & lectr. ling., Buffalo, 62-67; LECTR. ANTHROP., SOUTHERN METHODIST, 67-. Managing ed., Studies in Ling. Ling. Soc. Am; Anthropol. Asn; Acad. Polit. & Soc. Sci. Anthropological linguistics; southwestern United States ethnology; Picuris Pueblo language and culture. Publ: Co-auth, North American Indian languages: classification and maps, Studies in Linguistics, Occasional Papers, 58; English -sion nouns, Can. J. Ling., 62. Address: 4137 Purdue St., Dallas, Tex. 75225.

TRAGER, PROF. FRANK N(EWTON), b. New York, N.Y., Oct. 9, 05; m. 36. GOVERNMENT. Butler fel., N.Y. Univ., 27, Ph.D. (soc. sci.), 51; scholar, Hopkins, 28-31. Instr. philos., Hopkins, 28-34; exec. non-profit agencies, 35-51; dir. Tech. Coop. Admin., Burma, 51-53; PROF. INT. AFFAIRS, N.Y. UNIV., 54-. dir. Burma Res. Proj., 55-56, acting dir., center int. affairs & develop., 58-60. Fel., center int. studies, Mass. Inst. Tech., 53-54; Carnegie fel., Coun. For. Rel., 57-58; vis. prof., Yale, 60-61; mem. faculty, Army War Col., 59-61; Nat. War Col., 61-63; assoc. for. policy res. inst., Pennsylvania; center strategic studies, Georgetown. Res. consult. & ed. Human Rel., Area Files, New Haven; Rand Corp., Santa Monica; American Univ.; consult, Hudson Inst.; dir. studies, Nat. Strategy Info. Center, Inc. Dir., Southeast Asia Proj., Rand Corp., 58-57; mem., Southeast Asian Develop. Group, U.S. Agency Int. Develop.; East Asia & Pac. Adv. Panel, U.S. Dept. State. Mem., Coun. For. Rel., U.S.A.A.F., 43-45. Polit. Sci. Asn; Asn. Asian Studies. Southeast Asia; Burma. Publ: Marxism in Southeast Asia, Stanford; Burma from Kingdom to Republic & Why Vietnam: Praeger. Address: Salem Center, Purdy Station, N.Y. 10578.

TRAGER, PROF. GEORGE L(EONARD), b. Newark, N.J., Mar. 22, 06; m. 29, 51, 61; c. 7. ANTHROPOLOGY. Litt. B., Rutgers Col., 28; M.A. Columbia, 29, Ph.D. (Romanic ling.), 32; Columbia, 32-34; Yale, 36-41. Teacher, pub. sch., N.J., 27-29; asst. prof. mod. langs., Midland Col., 29-30; researcher & teacher, Columbia, 30-34; prof. for. langs., Adams State Col., 34-36; teacher, Yale, 37-38, Guggenheim, Sterling & hon. res. fels., 38-42, asst. prof. Slavic, 42-44; chief ling. br. div. geog., U.S. Dept. Interior, 44-46; prof. ling., Oklahoma, 46-48; dir. ling. res. & prof. ling., For. Serv. Inst., U.S. Dept. State, 48-53; vis. prof. ling., Georgetown, 54-55; asst. dir., Human Rel., Area Files, Inc., D.C., 55-56; PROF. anthropol. & ling., Buffalo, 56-67; ANTHROP., SOUTHERN METHODIST, 67-. Nat. Sci. Found. res. grants, Taos Pueblo, N.Mex., 59-60, 62-64 & 65-67; summer res. grants, inst. human rels., Yale, 37; Am. Philos. Soc., 47. Consult, Nat. Inst. Ment. Health, 54-57; psychiat. interview res., State Univ. N.Y. Upstate Med. Center, 56-59; mach. trans. proj., Georgetown, 60-63. Mem. screening cmt. ling. & teaching of Eng. Conf. Bd. Assoc. Res. Couns., 57-61. Ed., Studies in Ling. Fel. AAAS; fel., Anthropol. Asn; Ling. Soc. (pres., 60); Ethnol. Soc.; Can. Ling. Asn; Soc. Americanists; Soc. Ling., Paris; int. Phonetic Asn. General theory of anthropological linguistics; American Indian linguistics; general theory of anthropology; Southwestern United States; Northeastern Siberia. Publ: Co-auth, An outline of English structure, Am. Coun. Learned Socs., 7th ed., 66; auth., Language and languages, Chandler Pub., 69; The Tanoan settlement of the Rio Grande area: a possible chronology, In: Studies in Southwestern ethnolinguistics, Mouton, 67. Address: Anthropology Research Center, Southern Methodist University, Dallas, Tex. 75222.

TRAMEL, PROF. THOMAS E(DWARD), b. Raleigh, Miss., Mar. 19, 21; m. 46; c. 2. ECONOMICS. B.S. Miss. State Col., 47, M.S., 50; Ph.D., Iowa State Col., 54. Asst. prof. agr. econ., Miss. State Col., 50-55; PROF. farm mgt., Va. Polytech., 55-56; AGR. ECON., MISS. STATE, 56-. U.S.A., 40-45. Agr. Econ. Asn. Production economics and statistics. Publ: Suggested procedure for agronomic-economic fertilizer experiments, In: Fertilizer innovations and resource use; Alternative methods of using production functions for marketing recommendations & Reactive programming of supply and demand relations, J. Farm Econ. Address: Dept. of Agricultural Economics, Mississippi State University, State College, Miss. 39762.

TRANT, PROF. GERALD ION, b. Toronto, Ont., Oct. 11, 28; m. 52; c. 3. AGRICULTURAL ECONOMICS. B.S.A. Ont. Agr. Col., 51; M.S., Mich. State, 54, Ph.D., 59. Asst. econ. Ont. Agr. Col., 51-53; lectr. agr. econ., Mich. State, 55-57; assoc. prof. prod. econ. & farm mgt., Ont. Agr. Col., 58-61; PROF. PROD. ECON., GUELPH, 61-. STAFF MEM. AGR. ECON., ROCKEFELLER FOUND., 67-. Via. prof., Valle, Colombia, 67-. Address: Dept. of Agricultural Economy, University of Guelph, Guelph, Ont., Can.

TRANT, DR. JAMES B(UCHANAN), Econ., see 10th ed, Soc. & Behav. Vols.

TRAPOLD, DR. MILTON A(LVIN), b. Ambridge, Pa., June 7, 36; m. 58; c. 2. PSYCHOLOGY. B.A., Yale, 58; M.A. & Ph.D. (psychol), Iowa, 61. Asst. prof. PSYCHOL., Iowa, 61-62; MINNESOTA, MINNEAPOLIS, 62-65, ASSOC. PROF., 65-. Nat. Insts. Health res. grants, 63-. AAAS; Psychol. Asn; Psychonomic Soc. Animal and human learning and motivation; behavior theory. Address: Dept. of Psychology, University of Minnesota, Minneapolis, Minn. 55455.

TRAPP, PROF. E(DWARD) PHILIP, b. Akron, Ohio, Dec. 23, 23; m. 54. PSYCHOLOGY. B.S. Kent State, 47; M.A., N.Mex. Col., 48; Ph.D. (psychol), Ohio State, 51. Asst. prof. PSYCHOL., ARKANSAS, 51-55, assoc. prof., 55-60, PROF., 60-. U.S.N., 42-46, Lt. (jg.). Psychol. Asn; Int. Soc. Gen. Semantics. Individual diagnosis and therapy; projective techniques; leadership; human learning. Address: Dept. of Psychology, University of Arkansas, Fayetteville, Ark. 72701.

TRAPP, DR. WILLIAM O(SCAR), Govt., see 10th ed, Soc. & Behav. Vols.

TRAUTH, SISTER MARY PHILIP, S.N.D., Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

TRAVERS, PROF. ROBERT M(ORRIS) W(ILLIAM), b. Bangalore, India, Oct. 16, 13; nat. m. 40; c. 3. PSYCHOLOGY. B.Sc., London, 35; Ph.D., Columbia, 41. Instr. psychol., Ohio State, 41-43; psychologist, U.S. War Dept., 43-45;

- Grad. Record Off, 45-46; assoc. prof. psychol. & ed, Michigan, 47-49; ed, Bd. Higher Ed, N.Y., 49-52; res. psychologist, personnel & training res. center, U.S. Dept. Air Force, Tex, 52-58; prof. ed. psychol. & chmn. dept, Utah, 58-65; DISTINGUISHED UNIV. PROF. ED, WESTERN MICHIGAN, 65- Consult, U.S. Dept. Army; U.S. Dept. Air Force. Fel. Psychol. Asn. Education and personnel. Publ: Educational measurement; Introduction to educational research; Essentials of learning, Macmillan, second ed, 66. Address: School of Education, Western Michigan University, Kalamazoo, Mich. 49001.
- TRAVIS, DEAN LEE EDWARD, b. Imperial, Nebr, June 23, 96; m. 46; c. 3. PSYCHOLOGY, SPEECH PATHOLOGY. B.A. Iowa, 22, M.A., 23, Ph.D.(psychol.), 24. Nat. Res. Coun. fel. psychol. Iowa, 24-27, assoc. prof. 27-28, prof. & dir. psychol. clin, 28-37, head dept. psychol, 37-38; prof. psychol. & speech & dir. speech & hearing clin, Southern California, 38-57; v.pres. & dir, Gibraltar Savings & Loan Asn, 57-60; private consult, 60-65; PROF. PSYCHOL. & DEAN GRAD. SCH. PSYCHOL, FULLER THEOL. SEM, 65- U.S.A.A.F, 42-46, Lt. Col. AAAS; Psychol. Asn; Speech & Hearing Asn. (pres, 32); Physiol. Soc; Soc. Exp. Biol. Neurophysiology; clinical psychology, especially psychotherapy and disorders of communication. Address: 3412 Red Rose Drive, Encino, Calif. 91316.
- TRAVIS, PROF. MARTIN B(ICE), b. Iron Mountain, Mich, Sept. 22, 17; m. 42; c. 2. POLITICAL SCIENCE. A.B. Amherst Col, 39; A.M. Fletcher Sch. Law, 40; Ph.D.(int. rels), Chicago, 48. Asst. prof. POLIT. SCI, Syracuse, 48-49; Duke, 49-53; Stanford, 53-56, assoc. prof, 56-61; PROF. & CHMN. DEPT. STATE UNIV. N.Y. STONY BROOK, 61- Ed. critic, various publishers, 52-; Rockefeller res. fel, Columbia, 56-57; Ford Found. res. grant, study legal adv. off, 59-61. Dir, Inst. Am. Hist. & Govt, 66-; mem. bd. dirs, Inst. Am. Studies, Paris, 66- Mem. Coun. For. Rels. U.S.A., 42-45, Res, 45-53, 1st Lt. Polit. Sci. Asn; Soc. Int. Law. International law and politics; Latin America; foreign policy decision making in the United States and Latin America; role of legal adviser in formulation of foreign policy; organization of American States. Publ: Co-auth, Control of foreign relations in modern nations, Norton, 57; auth, The organization of American States, J. Pub. Law, 63; co-auth, Powers of the President in foreign affairs, Commonwealth Club, 66. Address: Dept. of Political Science, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- TRAVIS, DR. ROBERT P(HILLIPS), JR, b. West Palm Beach, Fla, Nov. 10, 30; m. 55; c. 3. PSYCHOLOGY. B.S. Georgia, 56, M.S. 57; Nat. Inst. Ment. Health fel, Alabama, 61, 62, Ph.D.(psychol), 62. Res. asst. brain res, Michigan, 58-60; asst. prof. psychol, Alabama, 62-63; ASST. PROF. EXP. PSYCHIAT. & HEAD PSYCHOPHYSIOL. SECT. MED. CENTER, ALABAMA, 63- Nat. Inst. Health res. grants, 62-63, 64-67. U.S.A.F, 50-54. AAAS; Psychol. Asn. Analysis of information processing in the brain especially patterns of single unit activity correlated with learning in the conscious monkey. Publ: Unitary responses and discrimination learning in the squirrel monkey: the globus pallidus, 1/68 & Single unit activity related to behavior motivated by food reward, 3/68, Physiol. & Behav; Single unit responses related to sequences of food motivated behavior, Brain Res, 3/68. Address: Dept. of Psychiatry, University of Alabama Medical Center, 1919 7th Ave. S, Birmingham, Ala. 35233.
- TRAVIS, DR. ROLAND CHARLES, b. Denver, Colo, July 8, 99; m. 23; c. 2. PSYCHOLOGY. B.A. Iowa, 23, M.A. 24, Ph.D.(psychol), 26. Nat. Res. Coun. fel, inst. psychol, Yale, 26-28, res. assoc, inst. psychol. & asst. prof, univ, 28-29; assoc. prof. psychol, Western Reserve, 29-42, asst. dean, Adelbert Col, 29-35; from assoc. prof. psychol. to acting prof, Stanford, 42-45; res. assoc. & prof. exp. psychol, Tufts, 45-50; dir. res. med. div, Inspector Gen. U.S. Air Force, 50-55; DIR, TRAVIS SPECIALTIES, 56- Grant, Nat. Res. Coun, 35-37. Fel. Psychol. Asn. Visual, vestibular and kinesthetic perception; motor skills; muscle action potentials in relation to alertness. Publ: Experimental analysis of the sensory-motor consequences of passive oscillation, rotary and rectilinear, Psychol. Monogr; Experimental analysis of dynamic and static equilibrium, J. Exp. Psychol; Prediction and the control of alertness, J. Comp. & Physiol. Psychol. Address: 28063 Atlantic Ave, Highland, Calif. 92346.
- TRAVLAND, DR. DAVID ARNOLD, b. Coronach, Sask, Sept. 21, 40; U.S. citizen; m. 66. CLINICAL PSYCHOLOGY. B.A. Iowa, 62, M.A., 64, Ph.D. (clin. psychol), 67. ASST. PROF. PSYCHOL. & ASST. DIR, CENTER PSYCHOL. SERV, WAKE FOREST, 67- Consult, new careers br, Off. Econ. Opportunity, N.C, 68- Psychol. Asn. Counseling/psychotherapy, especially practice and research; personality research. Address: Dept. of Psychology, Wake Forest University, Winston-Salem, N.C. 27109.
- TRAWEEK, DR. MELVIN WINSTON, b. Evergreen, Ala, Aug. 5, 32; m. 53; c. 3. EDUCATIONAL PSYCHOLOGY. B.S. Alabama, 57, Nat. Defense Ed. Act fel, 60-63, M.A. 61, Ph.D.(ed. psychol), 63. Teacher, high sch, Ala, 57; pub. schs, Fla, 57-60; asst. prof. ed. consult, Northeast La. State Col, 63-64; ASSOC. PROF. ED. PSYCHOL, MISS. STATE, 64- U.S.A., 51-52. Psychol. Asn. Anxiety and stress and its relation to performance in academic situations. Publ: The relationship between certain personality variables and achievement through programmed instruction, 11/64 & co-auth, Varying conditions of stress and performance on an academic type task, 1/66, Calif. J. Ed. Res. Address: P.O. Box 756, Starkville, Miss. 39759.
- TRAWEEK, DR. STELLA, Statist, see 10th ed, Soc. & Behav. Vols. Latest known address: 2304 McCullough, Austin, Tex. 78703.
- TRAWICK, DR. MACELDIN, b. Tampa, Fla, July 5, 12. PSYCHOLOGY. B.A. Richmond, 34; M.A. Columbia, 36, Ph.D.(tests and measurements), 40. Instr, Hawaii, 40-41; consult. & assoc, Klein Inst, N.Y., 46-48; INDUST. PSYCHOLOGIST, STANDARD OIL CO.(N.J.), 48- U.S.N., 41-46, Lt. Comdr. Psychol. Asn. Testing to determine components of personality; sales and management aptitude testing and interview techniques; supervision of clerical testing and research. Address: Standard Oil Co.(N.J.), 30 Rockefeller Plaza, New York, N.Y. 10020.
- TRAWINSKI, DR. BENON JOHN, Math. Statist, see 11th ed, Phys. & Biol. Vols.
- TRAXLER, DR. ARTHUR E(DWIN), b. Irving, Kans, Feb. 19, 00; m. 24; c. 1. EDUCATIONAL PSYCHOLOGY. B.S. Kans. State Teachers Col, 20; M.A. Chicago, 24, Ph.D.(ed), 32. Psychologist, univ. lab. schs, Chicago, 31-36; res. assoc, ED. RECORDS BUR, 36-38, asst. dir, 38-41, assoc. dir, 41-50, exec. dir, 50-65, EMER. PRES, 65- Vis. instr, Temple, 41-42; Syracuse, 48-49; part-time mem. faculty, sch. ed, Miami (Fla), 65- Williston Acad. award, 65. AAAS; Psychol. Asn; Ed. Res. Asn.(pres, 50-51); Nat. Coun. Measurement in Ed.(pres, 59-60). Educational and psychological measurement; measurement and improvement of reading; educational guidance. Publ: Techniques of guidance, Harper, 3rd ed, 66; co-auth, Guidance services, Sci. Res. Assoc, 3rd ed, 67; Improvement of reading, McGraw, 4th ed, 67. Address: 6825 S.W. 59th St, Miami, Fla. 33143.
- TRAXLER, DEAN RALPH N(EWTON), JR, b. Highland, Kans, Aug. 22, 23; m. 45; c. 2. BUSINESS MANAGEMENT. B.A. Mercer, 47; M.A. Colorado, 48; Ph.D.(bus. hist), Chicago, 53. Chief of training, midcent. procurement, U.S. Air Force, 51-53; asst. training dir, Kraft Foods Co, 53-55; asst. prof. mgt, Florida, 55-57; assoc. prof. bus. admin, Emory, 57-66; PROF. MGT. & DEAN COL. BUS. & MGT. STUDIES, SOUTH ALABAMA, 66- Fel, Australian Inst. Bus. Admin, 67-, summer lectr, 67. Hayhow award, Am. Col. Hosp. Adminstr, 61. U.S.N., 43-46. Acad. Mgt; Brit. Inst. Mgt. Collective bargaining; business history; personnel management. Address: 4508 Kingsway Court, Mobile, Ala. 36608.
- TRAYLOR, PROF. HARLON D(WADN), b. Truxmo, La, Nov. 18, 29; m. 55; c. 2. AGRICULTURAL ECONOMICS. B.S. Southwestern Louisiana, 50; M.S. La. State, 55; Ph.D. Cornell, 58. Asst. AGR. ECON. La. State, 53-54, res. assoc, 54-55; asst. Cornell, 55-58; asst. prof, LA. STATE, 58-61, ASSOC. PROF, 61- Adv. New Orleans Area Terminal Mkt. Bd, 60- Secy, South. Regional Grain Mkt. Res. Cmt, 66- U.S.A., 51-53. Agr. Econ. Asn; Mkt. Asn. Louisiana farm credit and real estate; cattle marketing; food distribution; grain marketing; problems of small agricultural businesses; interindustry relationships and potato merchandising; soybean marketing. Publ: Wholesale food distribution facilities in New Orleans, Louisiana; A calorie basis for comparing costs of government programs for farm commodities, La. Rural Economist, 2/67; Costs of drying and storing rough rice in Louisiana and Texas, U.S. Dept. Agr, 7/67. Address: Dept. of Agricultural Economics, Louisiana State University, Baton Rouge, La. 70803.
- TRAYLOR, DR. IDRIS RHEA, JR, Mod. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- TRAYLOR, DR. ORBA F(OREST), b. Providence, Ky, June 16, 10; m. 45; c. 3. ECONOMICS, LAW. B.A. Western Kentucky, 30; M.A. Kentucky, 32, Ph.D. (econ. & pub. admin), 48; J.D. Northwestern, 36. Head dept. bus. admin, Ashland Col, 35-36; legal asst, First Nat. Bank of Chicago, 36-37; assoc. prof. econ. & sociol, West Ky. State Col, 38-40; dir. res. & statist, State Dept. Welfare, Ky, 41; econ. analyst, U.S. Treas. Dept, 42; asst. prof. econ. & bus, Denver, 46-47; Missouri, 47-50; tax specialist & asst. econ. cmnr, Econ. Coop. Admin, Mutual Security Agency & For. Ops. Admin, Greece, 50-53; mgt. expert & coordinator exec-develop. progs, ord. corps, U.S. Dept. Army, 54; pub. finance expert to U.A.R., UN & lectr. financial & tax admin, UN Inst. Pub. Admin, U.A.R., 54-56; exec. asst, State Legis. Res. Cmn, Ky, 56-58, cmnr. of finance, 58-59; dir. finance dept, U.S. Civil Admin. of Ryukyu Islands, Naha, Okinawa, 60-64, dir. econ. affairs, 64-65; PROF. ECON. & PUB. ADMIN. & CHMN. DEPT. BUS. & PUB. ADMIN, ALABAMA, HUNTSVILLE, 65- Mem. staff & faculty, U.S. Army Finance Sch, 49; mem. vis. faculty, Pa. State, 52; prof. lectr, George Washington, 54; lectr, Alexandria Univ, U.A.R., 56; Maryland, 60. Consult, State Dept. Revenue, Ky, 48; Turkish Govt, 51; ops. res, Hopkins, 57-61; income tax expert to Iraq Govt, UN, 55. Mem. finance task force, Ala. Ed. Cmn, 68-Chmn. Bd, Ryukyus Develop. Loan Corp, 60-65; U.S. Civil Admin. of Ryukyu Islands Joint Petrol, 60-65; Joint For. Investment, 64-65; pres, Okinawa Housing Corp, 64-65. U.S.A., 42-46, Res, 46-62, Lt. Col. Econ. Asn; Soc. Pub. Admin; Bar Asn; Nat. Tax Inst. Public finance and administration. Publ: Egyptian tax organization and administration; co-auth, Executive development programs; auth, The Ryukyuan economy: status and forecast, Okinawa Econ. Res. Center, 65. Address: Dept. of Business & Public Administration, University of Alabama, Box 1247 West Station, Huntsville, Ala. 35807.
- TRAYWICK, PROF. LELAND E(LDRIDGE), b. Okmulgee, Okla, June 7, 15. ECONOMICS. A.B. Missouri, 36, A.M. 39; Ph.D. Illinois, 42. Asst. Sloan Consumer Found, Stephens Col, 37-38, instr, 38-39; asst, Illinois, 39-42; mem. control div, off. chief ord, War Prod. Bd, 42-43; asst. prof. bus. & econ, Western Reserve, 46-47; prof. econ, Mich. State, 47-61; pres, Southwest Mo. State Col, 61-64; vis. prof. econ, Northern Illinois, 64-65; pres, Omaha, 65-67; PROF. MANAGERIAL ECON. & DIR. BUR. BUS. RES, COL. WILLIAM & MARY, 67- U.S.A., 43-46, Lt. Econ. Asn. Readings in economics; principles of economics. Publ: The Virginia business index; Williamsburg business index. Address: College of William & Mary, Williamsburg, Va. 23185.
- TREACY, PROF. JOHN P, b. Minn, Mar. 11, 01; m. 29; c. 4. EDUCATIONAL PSYCHOLOGY. B.S. Minnesota, 26, M.S. 27, Ph.D. 42. Asst. prof. ED, MARQUETTE, 29-44, prof, 46-66, EMER. PROF, 66-, dir. dept, 46-57. Indust. consult, 44-45; part-time consult, ed, Bruce Pub. Co, 45- Publ: Co-auth, Readings in philosophy of education; Parent's role in vocations; ed & co-auth, The poster and the school, Bruce, 66. Address: 1305 N. 117 St, Milwaukee, Wis. 53226.
- TREADGOLD, PROF. DONALD W(ARREN), Russian Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- TREADWAY, DR. ARTHUR BINNS, b. Clarksdale, Miss, Sept. 12, 38; m. 61; c. 1. ECONOMICS. B.A. California, Los Angeles, 63; Ingersoll fel, Chicago, 63-64, Erhart fel, 64-65, Ford Found. fel, 65-66, Ph.D.(investment theory), 67. ASST. PROF. ECON, NORTHWESTERN, 66- Econ. Asn; Economet. Soc; Statist. Asn. The theory of production dynamics and entrepreneurial investment behavior. Address: Dept. of Economics, Northwestern University, Evanston, Ill. 60201.

TREADWAY, DR. ROY CLAY, b. White Plains, N.Y., Sept. 18, 38; m. 67. **SOCIOLOGY**. B.A. Earlham Col, 60; Woodrow Wilson fel, Michigan, 60-61, M.A. 62, Metrop. Community fel, 62-63, Pop. Coun. fel, 63-64, Ph.D. (sociol), 67. Acting instr. **SOCIOLOGY**, YALE, 64-65, lectr, 65-67, ASST. PROF, 67- Sociol. Asn; Pop. Asn. Am; Statist. Asn; Regional Sci. Asn. Human ecology; metropolitan structure and change; analysis of change of population and housing distribution in United States metropolitan areas with emphasis on social characteristics of population and structural characteristics of housing. Address: Dept. of Sociology, Box 1965, Yale Station, New Haven, Conn. 06520.

TREAS, DR. CHARLES EDGAR, b. Aberdeen, Miss, Sept. 11, 26; m. 53; c. 3. **MARKETING**. B.S. Miss. State, 61, fel, 61-62, M.B.A. 62; Ph.D. (mkt), Alabama, 66. Co-owner, Aberdeen Lumber Co, 48-62; instr. mkt, Alabama, 62-63, res. assoc. econ. impact, Alabama Hwy. Res. Proj, 63-66; asst. prof. **MKT**, MISSISSIPPI, 66-67, ASSOC. PROF, 67- Co-owner, Westwood Drive In Theatre, Inc, 51-61; Lakewood Subdiv, 62-; Westwood Realty, Inc, 64-; lectr, hwy. mgt. inst, Mississippi, 67, 68. U.S.A. 45-46. **Mkt. Asn; Statist. Asn**. Regional studies; economic impact of interstate highways on urban markets and consumer behavior; marketing research; relative importance of selected media-oriented and non media-oriented information sources on motorists in selecting motel accommodations. Publ: The Jackson motel study: relative importance of selected information sources to motorists in choosing motels, Univ. Mississippi, 68; co-auth, A study of the expected economic and social impact of interstate highways in the industrial and commercial trading area of Birmingham, Alabama, 65 & Capital and income effects of signboard regulation, control, and removal on selected kinds of businesses and land segments located on interstate and primary highway systems in Alabama, 67, Ala. Hwy. Dept. & U.S. Dept. of Commerce. Address: Dept. of Management & Marketing, University of Mississippi, University, Miss. 38677.

TREAT, DR. WOLCOTT C(OIT), b. South Lee, Mass, Feb. 25, 00; m. 42; c. 4. **PSYCHOLOGY**. A.B. Harvard, 23, A.M. 35; Gen. Theol. Sem, 23-25; Ph.D. Stanford, 50. Asst. instr. psychol, Harvard, 34-36; prof. philos. & psychol, Calvin Coolidge Col, 36-39; instr. **PSYCHOL**, exten. div, California, 45-50; prof, SAN DIEGO STATE COL, 50-66, EMER. PROF, 66-; **PSYCHOLOGIST**, **PSYCHOL. ASSOCS**, 66- Mgr, Mass. Broadcasting Co, 36-39; psychologist, Vet. Admin, 45-50. Dipl. clin. psychol, Am. Bd. Exam. Prfnl. Psychol, 62. U.S.C.G.R, 39-45, Res, 45-60, Comdr. Fel. Soc. Proj. Tech. & Personality Assessment. Projective psychology and personality diagnosis. Address: Psychology Associates, 327 Laurel St, San Diego, Calif. 92101.

TREBACH, DR. ARNOLD S(HEPARD), b. Lowell, Mass, May 15, 28; m. 54; c. 2. **CONSTITUTIONAL LAW**. LL.B. Portia Law Sch, 51; M.A. Princeton, 56, Ph.D. 58. Attorney, Mass, 51-52; investr, admin. off. courts N.J., 55; asst. polit. behav, Princeton, 57; asst. prof. Am. govt, Tennessee, 57-60; chief, admin. justice sect, Cmn. Civil Rights, 60-63; adminstr. law, Nat. Defender Proj, Am. Bar Center, Chicago, 63-64; assoc. dir. law & human rights prog, Howard, 64-66; PRES, UNIV. RES. CORP, D.C. 66- Assoc. prof. law & ment. health, Howard, 64- Consult, Nat. Legal Aid & Defender Asn, 56-59; chief consult. admin. justice, White House Conf. Civil Rights, 65-66. U.S.A. 52-54, Sgt. Polit. Sci. Asn. Law; social action; civil rights. Publ: The rationing of justice, Rutgers, 64; co-auth, Training for community action in urban ghettos, Howard Univ, 66; Justice reports of U.S. Commission on Civil Rights, U.S. Govt. Press, 61 & 63. Address: 1736 Shepherd St. N.W., Washington, D.C. 20011.

TREBING, PROF. HARRY M(ARTIN), b. Baltimore, Md, Sept. 14, 26; m. 58; c. 2. **ECONOMICS**. B.S. Maryland, 50, econ. res. fel, 50-51, M.A. 52; non-resident fel, Wisconsin, 52-53, Ph.D. 58. Instr. econ, Maryland, 51-52; asst, Wisconsin, 53-56; asst. prof, Nebraska, 57-62; assoc. prof. pub. utility & transportation econ, Indiana, 62-66; PROF. **ECON. & DIR. INST. PUB. UTILITIES**, MICH. STATE, 66- Summer res. fel, Nebraska, 56; vis. lectr, Wisconsin, 59; suprvy. economist, Fed. Commun. Cmn, D.C. 63-65, chief econ. studies div, 65-66; summer lectr, Colorado, 67 & 68, pub. utilities exec. prog, Michigan & Nat. Am. R.R. & Utilities Cmnr. Prog, Wisconsin, 68. Econ. consult, Nebr. Pub. Power Dist, 61-62; Fed. Commun. Cmn, 66- Mem. res. adv. cmt, President's Task Force Commun, 67- U.S.N.R, 45-46. Econ. Asn; Am. Evolutionary Econ. An analysis of the causal factors accounting for the productivity gains of electric utility industry, 1937-1966. Publ: Ed, Performance under regulation, Mich. State Univ, 68; auth, Toward an incentive system of regulation, 7/63 & Toward improved regulatory planning, 3/67, Pub. Utilities Fortnightly. Address: Graduate School of Business Administration, Michigan State University, East Lansing, Mich. 48823.

TRECKEL, PROF. KARL FREDERICK, b. Rochester, N.Y., Oct. 12, 15; m. 46; c. 2. **ECONOMICS**. A.B. Syracuse, 39, M.A. 40; Ph.D. Illinois, 54. Instr. **ECON**, Maine, 41-42; Worcester Polytech. Inst, 42-45; asst. prof, KENT STATE, 46-51, assoc. prof, 51-59, PROF, 59- Indust. Reels. Res. Asn. Trade union history; union organization and administration; collective bargaining; labor legislation. Publ: The unionization of union employees and staff members, Kent State Univ, 68. Address: Dept. of Economics, Kent State University, Kent, Ohio 44240.

TRECKER, DEAN HARLEIGH B(RADLEY), b. Cabery, Ill, Feb. 11, 11; m. 32; c. 2. **GUIDANCE, PUBLIC ADMINISTRATION**. B.S. George Williams Col, 34; A.M. Chicago, 38. Instr. George Williams Col, 38-41; prof. soc. work, Southern California, 41-51; DEAN SCH. SOC. WORK, CONNECTICUT, 51-, UNIV. PROF. SOC. WORK, 67- Group process. Publ: Group process in administration; Social group work: principles and practices; New understandings of administration, Asn. Press, 62. Address: School of Social Work, University of Connecticut, Greater Hartford Campus, West Hartford, Conn. 06117.

TREECE, WALTER A(LLEN), b. Calhoun, Ill, Dec. 28, 14; m. 42; c. 4. **GEOGRAPHY, MATHEMATICS**. B.Ed. East. Ill. State Col, 37; fel, George Peabody Col, 37-38, M.A. 38; N.Y. Univ, 42; M.S. Wisconsin, 51, 51-55. Instr. math, Berea Col, 40-41; meteorologist, East. Air Lines, 45-48; asst. prof. math, Evansville Col, 46-48, geog, 48-50; statist. control supvr, Liberty

Powder Defense Corp, 51-56; **RELIABILITY DATA ANALYST**, GEN. ELEC. CO, 56- U.S.A. & U.S.A.A.F, 41-45. Geography of manufacturing; industrial statistics. Publ: Estimation of vertical exaggeration in stereoscopic viewing of aerial photographs in photogrammetric engineering. Address: 6975 Murray Ave, Cincinnati, Ohio 45227.

TREFFTZ, PROF. KENNETH L(EWIS), b. Sparta, Ill, Dec. 28, 11; m. 37; c. 2. **FINANCE, ECONOMICS**. B.S. Illinois, 36, M.A. 37; Ph.D. 39. Instr. econ, Carnegie Inst. Tech, 39-41; asst. prof. **FINANCE, SOUTHERN CALIFORNIA**, 41-44, assoc. prof, 44-51, PROF, 45-, CHMN. DEPT. **FINANCE & BUS. ECON**, 65-, chmn. dept. finance, 45-65. Assoc. prof, California, Los Angeles, 48; lectr, Pacific Coast Banking Sch, 49; vis. assoc. prof, Washington, 49-50; fel, Fed. Res. Bank, Calif, 50; vis. prof, grad. sch. bus, Karachi, 62. Econ. Asn; Finance Asn. (v. pres, 48-48); Statist. Asn; Acad. Polit. & Soc. Sci. Private finance; investment; mathematics of investments. Publ: Mathematics of business, accounting and finance; Mathematics of business and accounting; Mathematics of banking and finance. Address: Dept. of Finance, University of Southern California, Los Angeles, Calif. 90008.

TREGANZA, PROF. ADAN EDUARDO, b. Salt Lake City, Utah, Dec. 27, 16; m. 40; c. 1. **ANTHROPOLOGY, GEOGRAPHY**. A.B. California, Berkeley, 40, Ph.D. (anthrop), 50. Preparator **ANTHROP**, Mus. Anthropol, 40-42; PROF, SAN FRANCISCO STATE COL, 47- Ford Found. res. grant, 58-59; res. assoc, California, Berkeley, 60-63. Consult, nat. park serv, U.S. Dept. Interior, 65- Soc. Am. Archaeol. Address: Dept. of Anthropology, San Francisco State College, San Francisco, Calif. 94132.

TREGOE, DR. BENJAMIN B, JR, b. San Francisco, Calif, Dec. 23, 27; m. 56; c. 3. **SOCIOLOGY, SOCIAL PSYCHOLOGY**. A.B. Whittier Col, 51; scholar & Ph.D. (sociol), Harvard, 57. Assoc. soc. scientist SOC. PSYCHOL, Rand Corp, 55-57; Syst. Develop. Corp, 57-58; PRIN, KEPNER-TREGOE & ASSOCS, INC, 58- Lectr, California, Los Angeles, 57-58; Southern California, 57. U.S.M.C, 47-48. Sociol. Asn. Decision making processes; large scale organization; child development; small group research. Publ: Co-auth, The rational manager, McGraw, 65; Developing decision makers, Harvard Bus. Rev. Address: Kepner-Tregoe & Assocs, Inc, Box 704, Research Rd, Princeton, N.J. 08540.

TREHUB, DR. ARNOLD, Psychol, see Suppl. V to 11th ed, Phys. & Biol. Vols.

TREIMAN, DR. DONALD J(OSEPH), b. St. Louis, Mo, Oct. 13, 40; m. 64. **SOCIOLOGY**. B.A. Reed Col, 62; Nat. Sci. Found. fcls, Chicago, 63-65, M.A. 65, Ph.D. (sociol), 67. Asst. study dir. **SOCIOL**, Nat. Opinion Res. Center, 65-67; ASST. PROF, WISCONSIN, 67- AAAS; Sociol. Asn; Pop. Asn. Am. Social stratification; demography and ecology. Publ: Co-auth, A comparative study of occupational prestige, In: Class, status and power, Macmillan, 66; auth, Status discrepancy and prejudice, 5/66 & co-auth, Class identification in the United States, 3/68, Am. J. Sociol. Address: Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.

TRELOGAN, DR. HARRY C(HESTER), b. Versailles, Pa, Dec. 29, 08; m. 37; c. 4. **AGRICULTURAL ECONOMICS**. B.S. West Virginia, 31; M.S. Minnesota, 33, Ph.D. (agr. econ), 38. Asst. Brookings Instn, D.C. 34; agr. economist, Minnesota, 35-36; economist, prices res, Farm Credit Admin, 38-41; economist, off. agr. war rels, U.S. Dept. Agr, 42; chief, order admin. div, dairy & poultry br, War Food Admin, 43-44; res. div, dairy br, prod. & mkt. admin, U.S. DEPT. AGR, 45-47, asst. to adminstr. res. & mkt. act, 47-49, asst. adminstr. mkt, agr. res. admin, 50-53, dir. mkt. res, agr. mkt. serv, 54-59, asst. adminstr, 59-61, ADMINSTR, STATIST. REPORTING SERV, 61-, MEM. FACULTY SOC. SCI, GRAD. SCH, 48- U.S. Councilman, Int. Conf. Agr. Econ, 53-61 & 64- Superior serv. award, U.S. Dept. Agr, 52, distinguished serv. award, 60; outstanding achievement award, Univ. Minnesota, 64; outstanding alumni award, Wash. chap. Alpha Gamma Rho, 67. AAAS; fel. Agr. Econ. Asn. (pres, 57-58); Mkt. Asn; Dairy Sci. Asn; Statist. Asn; Int. Statist. Inst. Agricultural marketing research, statistics and economics. Publ: Co-auth, Agricultural market prices; contrib, Dairy science; auth, On benefits of agricultural marketing research, J. Farm Econ, 2/65. Address: 3625 N. Piedmont St, Arlington, Va. 22207.

TREMAINE, DR. DONAHUE L(EON), b. New York, N.Y., July 20, 14; m. 40. **PSYCHOLOGY**. B.A. Buffalo, 49, M.A. 52, Ph.D. (psychol), 55. Staff psychologist, dept. phys. med. & rehab. med. sch, Buffalo, 53-56, teacher gen. psychol. & ment. hyg, 53-55; asst. prof. **PSYCHOL**, ROOSEVELT, 56-60, ASSOC. PROF, 60-, grad. adv, 57-61, acting chmn. dept, 61. U.S.A.A.F, 42-46. AAAS; Psychol. Asn; Sociol. Asn. Rehabilitation of the physically handicapped; perception; psychodiagnostic testing; group psychotherapy. Publ: Co-auth, Hypnosis and the personality of the operator, J. Am. Dent. Asn. Address: Dept. of Psychology, Roosevelt University, Chicago, Ill. 60605.

TREMBATH, WILLIAM E(DWARD), b. Ishpeming, Mich, Aug. 17, 12; m. 51; c. 2. **CLINICAL PSYCHOLOGY**. B.S. North. Mich. Col, 40; M.A. Mich. State, 49. Soc. worker, State Dept. Soc. Welfare, Mich, 40-41, 45; guid. worker, boys voc. sch, 45-46; dir. psychol, Ionia State Hosp, 48-61, Mt. Pleasant State Home & Training Sch, 61-67; **PSYCHOLOGIST**, PLYMOUTH STATE HOME & TRAINING SCH, 67- Vis. instr, Central Michigan, 61-67; part-time instr, Schoolcraft Col, 68- Ord.C. U.S.A. 41-45. Psychol. Asn; Asn. Ment. Deficiency. Group therapy; research and training of mental retarded. Publ: Co-auth, Disturbance on the Rorschachs of sex offenders, J. Gen. Psychol. Address: 2200 Fuller Rd, Apt. 503, Ann Arbor, Mich. 48105.

TREMBLAY, PROF. M(ARC)-ADÉLARD, b. Les Eboulements, Que, Apr. 24, 22; m. 49; c. 5. **CULTURAL ANTHROPOLOGY**. B.A. Montreal, 44, L.S.A. 48; M.A. Laval, 50; Ph.D. (anthrop), Cornell, 54. Asst, Stirling County Study, Cornell, 50-53, res. assoc. & dir. soc. sci. unit, 53-56; asst. prof. **ANTHROP**, LAVAL, 58-58, assoc. prof, 58-63, PROF, 63-, exec. mem, Center Arctic Studies, 61. Consult, Prog. Soc. Psychiat, Cornell, 56-; dept. indust, Quebec, 60. Tech. adv, Center Soc. Readaptation, Que, 59- Fel. Anthropol. Asn; fel. Sociol. Asn; Soc. Appl. Anthropol; Can. Polit. Sci. Asn. Acculturation among Navahos, Acadians and French Canadians; social psychiatry; psy-

- chological stress among lumber cutters; saving and consuming patterns among Quebec province salaried workers. Publ: People of cove and wood-lot, Basic Books, 60; Les comportements économiques de la famille salariée, PUL, 64; Famille et parenté en Acadie, Nat. Mus. Can, 68. Address: Faculty of Social Sciences, Laval University, Quebec, Que, Can.
- TREMBLAY, DR. R(AYMOND) H(ERMAN)**, b. Highgate, Vt, July 16, 22; m. 55; c. 1. AGRICULTURAL ECONOMICS. B.S. Vermont, 47, M.S. 48; Ph.D. Cornell, 52. ASSOC. PROF. FARM MGT. & AGR. ECONOMIST, AGR. EXP. STA, VERMONT, 47- U.S.A. 43-46. Agr. Econ. Asn. Farm management; world agriculture; marketing. Publ: Cost of producing milk in Vermont; Agriculture in the Upper Winooche Valley; Farm planning pays. Address: Dept. of Agricultural Economics, University of Vermont, Burlington, Vt. 05401.
- TREMBLAY, PROF. RENE**, Econ, see 10th ed, Soc. & Behav. Vols.
- TREMBLY, DR. W. AGIB**, b. Dallas, Tex, Feb. 6, 14; m. 40; c. 3. PSYCHOLOGY. B.S. Agr. & Mech. Col, Tex, 35; M.A. Southern California, 57, M.Ed. 59, Ph.D. (psychol), 59. RESEARCHER PSYCHOL, HUMAN FACTORS RES, INC, 59- Lectr, Southern California, 59- U.S.A.A.F. 42-45, Lt. Psychol. Asn. Human performance; fatigue and deterioration as result of environmental influences and stress. Address: Apt. 8, 8211 Redlands St, Playa Del Rey, Calif. 90291.
- TREML, DR. VLADIMIR G(UY)**, b. U.S. Mar. 27, 29; m. 52; c. 2. ECONOMICICS. B.A. Brooklyn Col, 55; M.A. Columbia, 56; Ph.D.(econ), North Carolina, 63. Instr. ECON, North Carolina, 60-61; asst. prof, Franklin & Marshall Col, 61-67; ASSOC. PROF. DUKE, 67- Res. assoc, inst. res. soc. sci, North Carolina, 58-61. Consult, Econ. Cmn. for Latin Am, UN, 61-62; Res. Anal. Corp, Va, 62-; Inst. for Study of U.S.S.R, Munich, 66-67. U.S.M.C, 51-53. Econ. Asn. Various aspects of Soviet industrialization; unbalanced growth in non-market type economy; input-output models of the Soviet economy. Publ: 1959 Soviet intersectoral table, 2 vols, Wash, D.C. 63; co-auth, Mathematics and computers in Soviet economic planning, Yale, 67; New Soviet capital data, Soviet Studies, 1/67. Address: 603 Long Leaf Dr, Chapel Hill, N.C. 27514.
- TRENT, DR. JAMES W(ILLIAM)**, b. Los Angeles, Calif, Oct. 28, 33; m. 58; c. 2. COUNSELING & SOCIAL PSYCHOLOGY. A.B. Santa Clara, 55; Ph.D. (counseling psychol), California, Berkeley, 64. Admin. asst. to dir, center study higher ed, CALIFORNIA, Berkeley, 60-61, res. psychologist, 61-64, asst. res. psychologist, 64-68, assoc. res. psychologist, 68, ASST. PROF. HIGHER ED. GRAD. SCH. ED. & CENTER STUDY EVAL. OF INSTR. PROGS. LOS ANGELES, 68- Consult, Higher Ed. Exec. Assocs, Mich, 67- Psychol. Asn; Soc. Psychol. Study Social Issues; Ed. Res. Asn; Soc. Sci. Study Relig. Personality theory and development; social psychology of higher education; sociology of education; sociology and psychology of religion and family life; tests and measurements; counseling psychology. Publ: Catholics in college: religious commitment, and the intellectual life, Univ. Chicago, 67; Patterns of college attendance, Center Res. & Develop. Higher Ed, 68; Beyond high school, Jossey-Bass, 68. Address: Graduate School of Education, University of California, Los Angeles, Calif. 90024.
- TRENT, DR. RICHARD D(ARRELL)**, Ed. Psychol, see 10th ed, Soc. & Behav. Vols.
- TRENTON, PROF. RUDOLPH W**, b. Rome, Italy, Aug. 27, 13; nat; m. 47; c. 2. ECONOMICS. Munich, 32; Dr. jur, Rome, 36; Sc.D. Turin, 38; Columbia, 47-48. From assoc. prof. to PROF. ECON, OKLA. STATE, 48- Regional rep, Joint Coun. Econ. Ed, 64- Econ. Asn. International trade. Publ: Co-auth, The Oklahoma economy, Okla. State Univ, 63; auth, Basic economics, Appleton, 2nd ed, 68; The gold problem reconsidered, South. Econ. J, 62. Address: Dept. of Economics, Oklahoma State University, Stillwater, Okla. 74074.
- TRESCOTT, PROF. PAUL B(ARTON)**, b. Bloomsburg, Pa, Nov. 22, 25; m. 50; c. 3. ECONOMICS. B.A. Swarthmore Col, 49; M.A. Princeton, 51, Procter fel. & Ph.D.(econ), 54. Asst. ECON, Princeton, 51, instr. 52-54; asst. prof, Kenyon Col, 54-56, assoc. prof, 56-61, PROF, 61-67; MIAMI (OHIO), 67- Brookings res. prof, 61-62; vis. prof, Thammasat, 65-67. U.S.A. 44-46. Econ. Asn; Finance Asn; Econ. Hist. Asn. History and theory of money and government finance; government control of business. Publ: Money, banking and economic welfare, McGraw-Hill, 60, 65; Financing American enterprise, Harper, 63. Address: Dept. of Economics, Miami University, Oxford, Ohio 45056.
- TRESOLINI, PROF. R(OCCO) JOHN**, Polit. Sci, see 10th ed, Soc. & Behav. Vols, deceased 67.
- TRESSELT, DR. M(ARGARET) E(LIZABETH)**, b. Passaic, N.J., Sept. 16, 23. PSYCHOLOGY. A.B. Barnard Col, 38; A.M. Columbia, 39; Ph.D. Rutgers, 43. Instr, Hunter Col, 43-45; from instr. to assoc. prof. PSYCHOL, N.Y. UNIV, 45-67, PROF, 67- Private practice, 42- Psychologist, Off. Naval Res, 51. Consult, Home Sch. & Herbert M. Schall & Assoc, 50-; Syst. Develop. Corp, 62-66; Appl. Psychol. Servs, 66- Ed, Psychol. Newsletter, 55-60. Psychol. Asn; Psychonomic Soc; Inter-Am. Soc. Psychol. Judgment; perception; psychophysics. Publ: Co-auth, Anagram solution times: a function of multiple solution anagrams, J. Exp. Psychol, 66; auth, Anchoring and mental set, 66 & co-auth, A research strategy for studying effects of very fast sequential input rates on the visual system, 67, Psychonomic Monogr. Suppl. Address: 33 Sandford Ave, Plainfield, N.J. 07060.
- TREU, PROF. STANISLAUS KARL**, b. Hannover, Germany, Aug. 4, 10; nat. SOCIOLOGY. Ph.D. Fordham, 57. Prof. sociol, Marymount Col(N.Y.), 44-65; PROVINCIAL, PROV. ST. JOSEPH, 65- Nat. Coun. Family Rels; Sociol. Asn. Sociology of the parish; marriage and family relations; sociology of religion. Address: Marylake, King City, Ont, Can.
- TREUFELDS, DR. PETER M(ARTIN)**, Comput. Sci, see 11th ed, Phys. & Biol. Vols.
- TREUFELDS, DR. RUDOLPH LUDWIG**, Econ, see 10th ed, Soc. & Behav. Vols, deceased 65.
- TREVERTON, DR. MILDRED W(EBB)**, Psychol, see 10th ed, Soc. & Behav. Vols.
- TREVERTON, DR. WILLIAM M(ONTGOMERY)**, Psychol, see 10th ed, Soc. & Behav. Vols.
- TREVILLIAN, DEAN W(ALLACE) D(ABNEY)**, b. Charlottesville, Va, May 1, 18. ECONOMICS. B.S. Virginia, 40, M.A. 47, Ph.D.(econ), 54. Instr. econ, CLEMSON, 47-48, asst. prof, 48-51, assoc. prof, 51-54, PROF. ECON. & HEAD INDUST. MGT. DEPT., 54-, DEAN SCH. INDUST. MGT. & TEXTILE SCI, 63- Summer econ-in-action fel, Case, 58. U.S.A. 41-46, Sgt. Econ. Asn; Am. Acct. Asn. Managerial economics. Address: Clemson University, Clemson, S.C. 29631.
- TREWARTHA, PROF. GLENN T(HOMAS)**, b. Hazel Green, Wis, Nov. 22, 96; m. 30; c. 4. GEOGRAPHY. Ph.B. Wisconsin, 21, Ph.D.(geog), 25; M.A. Harvard, 22. Instr. GEOG, WISCONSIN, 25-26, asst. prof, 26-28, assoc. prof, 29-36, prof, 36-66, EMER. PROF, 66-, chmn. dept, 45-50. Guggenheim fel, 26-27; Nat. Res. Coun. fel, 32; Fulbright lectr, Cambridge, 53. U.S.A. 17-19. Asn. Am. Geog.(pres, 52-53); Geog. Soc; Meteorol. Soc. Geography of population; Far East; regional climates. Publ: An introduction to climate; Earth's problem climates; Japan, a geography, Univ. Wisconsin, 65. Address: Dept. of Geography, Science Hall, University of Wisconsin, Madison, Wis. 53706.
- TREWATHA, DR. ROBERT LEWIS**, b. Kansas City, Mo, Aug. 5, 33; m. 62; c. 1. INDUSTRIAL MANAGEMENT. A.B. Drury Col, 55; M.B.A. Arkansas, 60, Ph.D.(mgt), 64. Loan officer, Union Nat. Bank, Mo, 58-59; admin. asst. col. bus. admin, Arkansas, 59-61, instr, 61-62; res. asst. res. proj, Ford Found, 62-63; ASSOC. PROF. econ, Centenary Col, 63-65; MGT, ALABAMA, 65- Case Inst. Tech. fel. econ-in-action, 66. U.S.A. 56-58. Hiring and employment practices of older workers; manpower study of Appalachian Alabama; development of management thought. Publ: Contrib. Opportunity for community service, Ark. Chap. Int. Asn. Personnel Employ. Security, 63; auth, Estimated total and out-of-city purchases of products by Shreveport manufacturers, 1963, Chamber Commerce, Shreveport, La, 65; Upper-age limit hiring policies; detrimental of justifiable, Bus. Perspectives, 11/68. Address: Dept. of Management, University of Alabama School of Commerce, University, Ala. 35466.
- TREY, DR. GEORGE I**, b. Callicoon, N.Y., Feb. 21, 36; m. 59; c. 2. ECONOMICICS. A.B. Princeton, 58; Ph.D.(econ), Cornell, 67. Trainee securities anal, G.H. Walker & Co, 59-61; ASST. PROF. ECON, Haverford & Bryn Mawr Cols, 65-68; MASSACHUSETTS, 68- U.S.A. 58-59. Econ. Asn; Economet. Soc. Forecasting with econometric models. Address: 306 Lincoln Ave, Amherst, Mass. 01002.
- TRIANDIS, PROF. HARRY CHARALAMBOS**, b. Patras, Greece, Oct. 16, 26; nat; m. 56. SOCIAL & INDUSTRIAL PSYCHOLOGY. B.E. McGill, 51; M.Com. Toronto, 54; Ph.D. Cornell, 58. Methods engr, Procter & Gamble, Can, 51-54; lectr. indust. eng, McGill, 54-55; asst. PSYCHOL, Cornell, 55-58; asst. prof, ILLINOIS, URBANA, 58-61, assoc. prof, 61-66, PROF, 66- Lectr, Nat. Sci. Found. Prog, 61-; Ford Found. res. fel, Japan, India & Greece, 64-65. Consult, Found. Res. Human Behav, 61-; Nat. Sci. Found. & J. Personality & Soc. Psychol, 63-; J. Indust. Psychol, 64- AAAS: Psychol. Asn; Int. Asn. Appl. Psychol. Social perception; psycholinguistics; attitude formation and change; industrial and cross-cultural social psychology. Publ: Factor analysis of behavioral component of attitudes, J. Abnorm. Soc. Psychol, 64; co-auth, Race and belief as determinants of behavioral intentions, 65 & Three studies of subjective culture, 68, J. Personality & Soc. Psychol. Address: 2511 Lawndale Dr, Champaign, Ill. 61820.
- TRIANTIS, PROF. S(TEPHEN) G(EOGE)**, b. Patras, Greece, 18; nat. Can; m. 59; c. 1. ECONOMICS. LL.B. Athens, Greece, 38, B.A. 44; M.A. Toronto, 49, Rockefeller fel, 54, Ph.D.(econ), 56. PROF. ECON, TORONTO, 56- Can. Coun. grants, U.S.S.R, 59; Southeast Asia, 61; vis. prof, California, 63; econ. adv. on five-year plan, 1966-70, Govt. Greece, 65; dir. Harvard Univ. Develop. Adv. Serv, Greece, 66-67. Constituent mem, Inter-Am. Statist. Inst, 65-; mem. Overseas Inst. Can; Can. Inst. Int. Affairs. Econ. Asn; Can. Polit. Sci. Asn; Royal Econ. Soc; Soc. Int. Develop. Economic development and planning; saving and capital formation; international trade. Publ: Backward lands, the other front; Cyclical changes in trade balances of countries exporting primary products, 1927-1933, Univ. Toronto, 67; Common market and economic development, Center of Planning, Greece, 65. Address: Dept. of Political Economy, University of Toronto, Toronto 5, Ont, Can.
- TRICE, DR. ANDREW H(OMER)**, b. Union City, Tenn, Dec. 23, 13; m. 40, 56; c. 3. ECONOMICS, BUSINESS ADMINISTRATION. A.B. San Francisco State Col, 36; Ph.D. California, 55. Instr. econ. & bus. admin, Pepperdine Col, 40-42; asst. dir, war training prog, California, 43-44; dist. economist & price exec, Off. Price Admin, Calif. & Ore, 44-47; asst. prof. econ. & bus. admin, San Francisco State Col, 47-50; dist. economist, Off. Price Stabilization, 51-52; asst. prof. econ. & bus. admin, Sacramento State Col, 55-58; ECON. CONSULT, 58-; CHIEF ECONOMIST, WATER SUPPLY & SEWAGE MASTER PLAN FOR ISTANBUL, TURKEY, DANIEL, MANN, JOHNSON & MANDENHALL, LOS ANGELES, 67- Consult, Calif. Dept. Water Resources, 58-60. Econ. Asn; Planning Asn; Statist. Asn. Industrial development; regional economics; water resource development; interregional trade; economic feasibility analysis; measurement of benefits and cost; long range planning. Publ: Co-auth, Measurement of recreation benefits, Land Econ. Address: 440 46th St, Sacramento, Calif. 95819.
- TRICE, PROF. HARRISON M**, b. Amarillo, Tex, May 25, 20; m. 45; c. 2. SOCIOLOGY. B.A. La. State, 45; M.A. Wisconsin, 49, Ph.D. 55. Instr. SOCIOLOGY, Wisconsin, 49-55; asst. prof, INDUST. & LABOR RELS. SCH, CORNELL, 55-59, assoc. prof, 59-67, PROF, 67- Res. consult, Christopher D. Smithers Found, 62- Fel. Sociol. Asn; Soc. Study Social Probs; Soc. Appl.

Anthrop. Relationship between job and behavior disorders; job mobility as a characteristic of career development; etiology of behavior disorders. Publ: Alcoholism in America, McGraw, 66; Supervisor reaction to emotionally disturbed employees, J. Occup. Med, 65; co-auth, Schizophrenia and the poor, Sch. Indust. & Labor Rel., Cornell, 67. Address: Industrial & Labor Relations School, Cornell University, Ithaca, N.Y. 14850.

TRICE, PROF. O(BADIAH) ASHTON, b. Howardsville, Va, Mar. 19, 20; m. 42; c. 1. PSYCHOLOGY. B.S., Virginia, 41, M.A. 48, Ph.D.(psychol), 51. Asst. prof. PSYCHOL. MARY BALDWIN COL, 49-50, assoc. prof., 50-64, PROF. & HEAD DEPT., 64- Sch. psychologist, Waynesboro Pub. Schs, 53-; consult, Staunton Pub. Schs, Va, 65- Assoc. dir. Presby. Guid. Center, 54- U.S.N.R., 43-46, Lt. Comdr. Psychol. Asn; Personnel & Guid. Asn. Learning; emotional problems in children. Address: 212 Rose Hill Circle, Staunton, Va. 24401.

TRICKETT, PROF. J(OSEPH) M(ARSHALL), b. Kansas City, Mo, June 26, 12; m. 55; c. 1. PSYCHOLOGY. Ph.B., Washburn, 36; M.B.A., Stanford, 38, Ph.D., 53. Employ. supvr, Columbia Steel Co, 40-41, analyst, 41-42, chief orgn. engr, 42-43, dir. orgn. planning, 43-46; dean, sch. mgt, Golden Gate Col, 46-52; assoc. dir. mgt. ed, Am. Mgt. Asn, 52-53; coordinator orgn. & mgt. develop, Food Mach. & Chem. Corp, 53-58; PROF. MGT, SCH. BUS, SANTA CLARA, 58- Psychol. Asn; fel. Soc. Adv. Mgt. Management education; selection; placement. Publ: Survey of management development; co-auth, Business organization and management; auth, Fulfilling individual needs in management development, Personnel. Address: 1441 St. Francis Dr, San Jose, Calif. 95125.

TRIEBEL, DR. W(ILLIAM) A(NDREW), Psychiatry, Exp. Psychol. see 11th ed, Phys. & Biol. Vols.

TRIER, DR. HOWARD E, b. Jackson, Mich, June 2, 31; m. 54; c. 2. INDUSTRIAL PSYCHOLOGY. B.A., Mich. State, 53, M.A., 54, Ph.D.(psychol), 59. Asst. instr. Mich. State, 56-59; supvr. psychol. serv, Mead Corp, 59-61; assoc. prof., Illinois, 61-66; PRES. HOWARD TRIER & ASSOC'S, 66- V-pres, midwest group human resources, Inst. Appl. Behav. Sci. Nat. Training Labs, 67- U.S.A., 54-56, 1st Lt. Psychol. Asn. Organizational and personal development; sensitivity training. Address: 1 Camelot Dr, Oak Brook, Ill. 60521.

TRIFFIN, PROF. ROBERT, b. Flobecq, Belgium, Oct. 5, 11; nat; m. 40; c. 3. ECONOMICS. LL.D., Louvain, 34, M.A., 35; Ph.D.(econ), Harvard, 38. Lectr. econ, Louvain, 38-39; instr. Harvard, 39-42; chief Latin Am. sect, bd. gov. Fed. Reserve Syst, 42-46; dir. exchange control div, Int. Monetary Fund, 46-48; head tech. rep. of Int. Monetary Fund, Europe & observer, intra-European payments cmt, Orgn. Econ. European Coop, 48-49; spec. policy adv. trade & finance div, Econ. Coop. Admin, Paris, 49-51; PROF. ECON, YALE, 51- Consult, European Econ. Community, 58-; President-elect's Task Force Balance-of-Payments, 60-61; Coun. Econ. Adv., 61-63. Mem. Coun. For. Rels; assoc. Royal Academy of Belgium, 65- Wells prize, 39. Am. Econ. Asn.(v-pres, 67-68); Am. Acad. Arts & Sci; Polit. Econ. Soc. France. Money and banking; international economics. Publ: Europe and the money muddle; The world money maze: national currencies in international payments, Yale, 66; Our international monetary system; yesterday, today and tomorrow, Random, 68. Address: Dept. of Economics, Yale University, 37 Hillhouse Ave, New Haven, Conn. 06520.

TRIFON, DR. RAPHAEL, b. Haifa, Israel, Oct. 17, 28; m. 51; c. 2. ECONOMICS. B.A., Hebrew Univ, 54; Ph.D., London, 57. Sr. economist, Ministry of Indust. & Trade, Israel, 57-58; res. assoc. agr. econ, Manitoba, 59-60, assoc. prof. agr. econ. & farm mgt, 60-61; sr. lectr. ECON. & MGT, ISRAEL INST. TECH, 61-66, ASSOC. PROF, 66- Faculty guest, dept. econ, Mass. Inst. Tech, 65-66; guest prof, Tel-Aviv Univ, 66- Sr. consult, Inst. Planning & Develop, Israel, 67-; spec. consult, UN Asian Inst. Econ. Develop, Thailand, 68. Am. Econ. Asn; Economet. Soc; Inst. Mgt. Sci. Measurement of technological change; investment theory; urban and regional planning by mathematical programming. Publ: Economics of cooperative ventures, J. Farm Econ, 5/61; co-auth, Planning urban construction by mathematical programming, Israel Ministry Housing, 1/66; Optimization approach to urban rehabilitation, Inst. Planning & Develop, Israel, 3/68. Address: Dept. of Industrial Management, TECHNION - Israel Institute of Technology, Haifa, Israel

TRIGGER, DR. BRUCE GRAHAM, b. Preston, Ont, June 18, 37. ANTHROPOLOGY. B.A., Toronto, 59; Ph.D.(anthrop), Yale, 64. Asst. prof. ANTHROP, Northwestern, 63-64; MCGILL, 64-66, ASSOC. PROF, 67- Fel. Anthropol. Asn; Royal Anthropol. Inst. Gt. Brit. & Ireland. Prehistory; archaeology; ethnohistory; settlement pattern studies; methodology; Egypt; Sudan; Iroquois. Publ: History and settlement in lower Nubia, Yale Univ. Pub. Anthropol, 65; The late Nubian settlement at Arminna West, Peabody Mus, Yale, 67; Beyond history: the methods of prehistory, Holt, 68. Address: Dept. of Sociology & Anthropology, McGill University, Montreal, Que, Can.

TRIGGS, DR. FRANCES ORALIND, b. Coal Creek, Colo, Aug. 26, 10. PSYCHOLOGY. B.A., Lawrence Col, 33; M.A., Chicago, 35; Ph.D.(psychol), Syracuse, 37. Dean women, Asheville Col, 37-38; clin. counsr, Minnesota, 39-42; clin. counsr. & assoc. psychol, Illinois, 42-43; CHMN, CMT, DIAG. READING TESTS, INC, 42-; ADJ. PROF. PSYCHOL, FACE COL, 58- Personnel researcher, Ed. Records Bur, 46-48; chief psychologist, psychiat. clin, Roosevelt Hosp; lectr, Rutgers; supvr. reading clin, Princeton. Consult, Soc. Security Bd. Dipl. Am. Bd. Exam. Prfnl. Psychol. AAAS; fel. Psychol. Asn; Personnel & Guid. Asn; Nat. Soc. Study Ed; Ed. Res. Asn; Nat. Soc. Study Commun; Nat. Coun. Measurements in Ed. Clinical techniques in psychology; tests and measurements; interest measurement. Publ: Diagnostic reading tests; Improve your reading; Reading: its creative teaching and testing kindergarten through college. Address: Dept. of Psychology, Committee on Diagnostic Reading Tests, Inc, Mountain Home, N.C. 28758.

TRIMAKAS, PROF. ANTHONY, Econ. Polit. Sci, see 10th ed, Soc. & Behav. Vols.

TRIMBLE, DR. E(RNEST) G(REENE), b. Frenchburg, Ky, Sept. 13, 97; m. 26; c. 2. POLITICAL SCIENCE. A.B., Berea Col, 22; Ph.D., Yale, 27. Instr. polit. sci, N.Y. Univ, 27-30; Weeks prof. citizenship, Lincoln Mem. Univ, 30-31; asst. prof, Kentucky, 31-36, assoc. prof, 36-47, prof, 47-66, head dept, 59-64; mem, state personnel bd, 60-66; RETIRED. Investr. & hearing cmnr, President's Cmt, Fair Employ. Practice, 42-44; legal personnel officer, Off. Price Admin, 44-47. U.S.A., 18. Polit. Sci. Asn; Soc. Int. Law. Publ: Labor in Kentucky. Address: 244 S. Ashland Ave, Lexington, Ky. 40502.

TRIMBLE, DR. GLEN W(ALKER), b. Eugene, Ore, Dec. 7, 08; m. 33; c. 3. SOCIOLOGY. A.B., Syracuse, 30; B.S.T., Boston, 33, Ph.D., 51. Interviewer & placement worker, U.S. Employ. Serv, San Francisco, 40-41; sr. center mgr, War Food Admin, Ariz. & Calif, 41-45; dir. dept. res. & strategy, Mass. Coun. Churches, 47-55; home missions res, NAT. COUN. CHURCHES, 55-60, DIR. RES. INTERPRETATION, 60- Sociol. Asn; Soc. Sci. Study Relig. Action research; interdisciplinary approaches; social ethics. Publ: Ed, Information service; auth, Church-community studies. Address: National Council of Churches, 475 Riverside Dr, New York, N.Y. 10027.

TRIMBLE, DR. OTIS C(ARROLL), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.

TRINDELL, DR. ROGER THOMAS, b. Newark, N.J., Jan. 2, 32; m. 57; c. 1. GEOGRAPHY. B.A., Montclair State Col, 58; M.A., Colorado, 60; Ph.D.(geog), La. State, 66. From asst. to assoc. prof. GEOG, Millersville State Col, 62-64; ASST. PROF, Calif. State Col. Hayward, 64-65; State Univ. N.Y. Col. Plattsburgh, 65-66; MICH. STATE, 66- U.S.N., 50-54. AAAS; Asn. Am. Geog; Am. Geog. Soc; Soc. Hist. Discoveries. Historical and cultural geography; history of cartography; historical and cultural geography of the United States; bibliographical research. Publ: Historical geography of Pueblo, Colorado, 63 & Pehr Lindestrom, New Sweden and his geography of America, 65, Ann. Asn. Am. Geogr; The geographer, the archives and American colonial history, Prfnl. Geogr, 68. Address: Dept. of Geography, Michigan State University, East Lansing, Mich. 48823.

TRINER, DR. EDWIN G(EORGE), b. Yonkers, N.Y., Feb. 22, 24; m. 50; c. 2. SOCIAL PSYCHOLOGY, AERONAUTICAL ENGINEERING. B.S., U.S. Mil. Acad, 49; M.A., California, Berkeley, 53, Ph.D.(soc. psychol), 54; M.S., Arizona, 63. Asst. dir. training anal. & develop, U.S. Air Force, 50-51, asst. prof. air sci, California, 51-55, cmdr. jet nuclear weapon fighter squadron, 55-58, assoc. prof. behav. sci, U.S. Air Force Acad, 58-61, statist. analyst, 63-66, res. analyst, Off. Asst. Secy. Defense for Sys. Anal, 66-67; SR. STAFF SCIENTIST, SERENDIPITY ASSOCS, McLEAN, 67- Assoc. lectr. George Washington, 65-68. U.S. Dept. Air Force commendation medal, 65-66; U.S. Dept. Defense distinguished serv. award, 66-67. U.S.A.F., 49-67, Lt. Col. Psychol. Asn; Human Factors Soc. Man-machine integration in large systems; optimum level of automation; quantification of the human resource; small group dynamics and the theory of groups; systems analyses and systems management. Publ: The management and science of manual development for integrated logistic support-technical manual management, Proc. Dept. Defense-Nat. Security Indust. Asn. Symp, 6/65; People-the nation's most precious resource, Off. Asst. Secy. Defense (Sys. Anal), 9/66; Systems analysis-systems management; aids to decision making, Sch. Eng, Univ. California, Los Angeles, 1/67. Address: 4001 Sulgrave Dr, Alexandria, Va. 22309.

TRINKAUS, PROF. WILLIAM K(RUEGER), b. Richmond Hill, N.Y., Apr. 8, 14; m. 44; c. 2. PSYCHOLOGY. B.A., Drew, 35; M.A., N.Y. Univ, 46; Ph.D.(ed. psychol), Yale, 52. Training specialist, U.S. Dept. Nat. Defense, 46-48; instr. math, SOUTH. CONN. STATE COL, 48-49, PSYCHOL, 49-52, asst. prof. & dir. testing, 52-54, assoc. prof, 54-58, PROF, 58-, CHMN. DEPT, 54- Counsr, Psychol. Servs, Conn, 49-54; lectr, grad. sch. nursing, Yale, 54- U.S.A., 42-46, Capt. Psychol. Asn; Personnel & Guid. Asn; Coun. Measurements in Ed. Educational measurement; selection for college; psychology of learning. Publ: Permanence of vocational interests of college freshmen, Ed. Psychol. Measurement. Address: Dept. of Psychology, Southern Connecticut State College, 501 Crescent St, New Haven, Conn. 06525.

TRINKLEY, RAYMOND W(ALTER), b. Bridgeport, Conn, Oct. 6, 24; m. 49; c. 2. BUSINESS ECONOMICS. B.S., Bridgeport, 51, M.S., Columbia, 52. Analyst, SIKORSKY AIRCRAFT DIV, UNITED AIRCRAFT CORP, 54-56, asst. eng. acct, 56-59, mkt. res. analyst & statistician, 59-67, ADV. PLANNING BUS. & TECH, 67- Lectr, Bridgeport, 54-56; teacher & v.chmn. indust. eng. dept, Bridgeport Eng. Inst, 58-62, dean admin, chmn. indust. eng. & mem. exec. cmt, 63-65; chmn. indust. admin. dept. & v.chmn. lib. arts dept, 62- U.S.A.A.F., 43-46. Econ. Asn. Managerial economics supplemented by macroeconomics; air transportation economics; cost effectiveness studies; operations research; scientific management. Publ: Contrib. Separating and using costs as fixed and variable, Nat. Asn. Acct. Bull. Address: 481 Papurah Rd, Fairfield, Conn. 06430.

TRINKNER, CHARLES L(EO), b. Green Bay, Wis, May 25, 20; m. SOCIAL SCIENCE. B.A.E., Florida, 50, M.Ed., 51, Ed.S., 56; M.S., La. State, 54; hon. L.H.D., Geneva Theol. Col, Wis, 67. Teacher & librn, Fla. Sch. Syst, 49-55; asst, Florida, 50; prof, Texas Woman's Univ, 55; ed. bibliographer & instr, North Texas State, 55-56; librn, Arlington State Col, 56-57; prof. library sci. & dir. library, Ark. State Col, 57-58; LIBRARY ADMIN, PENSACOLA JR. COL, 58- Summers, res. librn, Appalachian State, 60, lectr, Oregon, 63, Illinois, 64, dir. workshop, Utah State, 64 & Montana, 65. Library Asn; Hist. Soc; Asn. Higher Ed. Publications; educational research; administration and supervision; library reference. Publ: Better libraries make better schools, Shoe String, 62; Basic books for junior college libraries, Colonial, 63; Florida lives, the sunshine state who's who, Hist. Record Asn, 66. Address: Library Services, Pensacola Junior College, 2022 Peacock Dr, Pensacola, Fla. 32504.

TRIPP, DEAN L(OUIS) REED, b. Schenectady, N.Y., Sept. 25, 13; m. 40; c. 4. ECONOMICS, INDUSTRIAL RELATIONS. A.B., Union (N.Y.), 34; Ph.D.(econ), Yale, 42. Instr. econ, Lehigh, 38-42, sect. chief, wage anal. disputes, Phila. War Labor Bd, 43-45; econ. consult, Flat Glass Indust, 46-49; assoc. prof.

- econ, Wisconsin, 49-50; chief economist, wage stabilization bd, U.S. Govt, D.C., 51-52; prof. econ. & dir. indust. rels. res. center, Wisconsin, 53-64; DEAN COL. BUS. & ECON, LEHIGH, 64- Univ. consult, U.S. Bur. Employ. Security, 61. Econ. Asn; Indust. Rel. Asn. Labor market studies; collective bargaining and arbitration; human resources in economic development. Publ: Labor problems and processes; Wage reopening arbitration. Address: College of Business and Economics, Lehigh University, Bethlehem, Pa. 18015.
- TRISKA, PROF. JAN F, b. Prague, Czech, Jan. 26, 22; nat; m; c. 2. POLITICAL SCIENCE, LAW. J.U.D., Charles Univ, Prague, 48; LL.M., Yale, 50, J.S.D., 52; fel, Harvard, 54-56, Ph.D., 57. Lectr. polit. sci., California, 57-58; asst. prof. govt., Cornell, 58-60; assoc. prof. POLIT. SCI., STANFORD, 60-65, PROF., 65-, DIR. STUDIES COMMUNIST SYST., 63- Ford Pub. Affairs Res. grant, 59; faculty res. grant, Cornell, 60; Russian Res. Center fel, Harvard, 62. Am. Acad. Arts & Sci. award, 59; inter-univ. cmt. travel grants award, 60. Soc. Int. Law; Polit. Sci. Asn. Soviet treaties and agreements, foreign policy and law. Publ: Co-auth., Calendar of Soviet Treaties, 1917-1957; The theory, law and policy of Soviet Treaties, Stanford, 62; co-auth., Soviet foreign policy, Macmillan, 68. Address: Dept. of Political Science, Stanford University, Stanford, Calif. 94305.
- TRITES, DR. DAVID K(EIGHTLEY), b. Des Moines, Iowa, Feb. 21, 26; m. 47; c. 1. PSYCHOLOGY. B.S., Iowa State Col, 48, fel, 48-49, M.S., 49; Ph.D. (psychol.), Texas, 53. Res. scientist, Texas, 50-52; assoc. prof. med. psychol. & psychologist, sch. aviation med, U.S. Air Force, 52-58; res. psychologist, personnel lab, Wright Air Develop. Div., Lackland Air Force Base, 58-60; chief selection sect., psychol. br., Fed. Aviation Agency, 60-65; DIR. RES. ROCHESTER METHODIST HOSP., 65- Assoc. prof., Mayo Grad. Sch. Med., Univ. Minnesota, 65- AAAS; fel. Psychol. Asn; Psychonomic Soc; Aerospace Med. Asn; Psychomet. Soc. Psychometrics and research design; classification and selection of personnel; hospital design and organizational research. Publ: Graphic determination of significance of 2 x 2 contingency tables, Psychol. Bull; co-auth., Aircraft accidents vs. characteristics of pilots, J. Aviation Med; auth., The physician's order—where, what and how, Am. J. Hosp. Pharmacy, 2/67. Address: Methodist Hospital, Rochester, Minn. 55901.
- TRITT, DR. DONALD G(USTAV), b. Columbus, Ohio, June 2, 31; m. 56; c. 3. CLINICAL PSYCHOLOGY. B.S., Ohio State, 54; scholar, Chicago, 55-56, U.S. Pub. Health Serv. fel, 56-58, Ph.D., 59. Asst. psychol., Ohio State, 53-54; Chicago, 54-57, intern & staff mem. counseling center, 55-58; intern, Manteno State Hosp., 58; asst. prof. PSYCHOL. & clin. psychologist, DENISON, 59-68, ASSOC. PROF., 66-, DIR. PSYCHOL. CLIN., 64- Mem. staff, Columbus State Hosp., 60. Consult., Moundbuilders Guid. Center, Newark, Ohio, 62-Acad. Psychother. Individual psychotherapy; personality change; phenomenology. Address: Dept. of Psychology, Denison University, Granville, Ohio 43023.
- TRITTIPOE, T(HERESA) G(OLOVIN), b. New York, N.Y., May 12, 33; m. 52; c. 2. PSYCHOLOGY. B.A., George Washington, 55, M.A., 57. Instr. psychol., D.C. Teachers Col, 55-57; asst. Am. Inst. Res., 56-57, res. assoc., 57-58, sr. res. assoc., 58-60, assoc. res. scientist, 60-62, res. scientist, 62-64, res. psychologist, U.S. Civil Serv. Cmn., 64-66; dir. ops., Performance Sys., Inc., 66; mgt. consult., 66-68; PRES., METAMETRICS CORP., 68- Soc. adjust. teacher, pub. schs., D.C., 55-56. Consult., Phelps Dodge Corp., Avco Corp., Comput. Appln., Inc. Gen. Learning Corp. & Manpower Inst., 66-68. Psychol. Asn; Acad. Polit. & Soc. Sci. Management and information science; development of management information systems; evaluation of computer systems; formulation of resource development models. Publ: Development of techniques for assessing speaking and writing effectiveness; Situational problems for leadership training; Applying the techniques of programmed instruction to problems of rehabilitation. Address: Metametrics Corp., 2001 Jefferson Davis Highway, Arlington, Va. 22202.
- TROIKE, DR. RUDOLPH C, Ling, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang., Ling. & Philol.
- TROLDALH, DR. VERLING CHARLES, b. Hanska, Minn., Jan. 3, 33; m. 55; c. 2. COMMUNICATION. B.A., Minnesota, 58, Ph.D.(mass commun), 63. Asst. prof. commun. res., Boston, 61-62; COMMUN. MICH. STATE, 62-65, ASSOC. PROF., 65- Consult., Mkt-Opinion Res. Co., 64-; Phila. Inquirer, 65-66; Nat. Safety Coun., 67. U.S.A.F., 51-56, 1st Lt. Asn. Ed. in Journalism; Asn. Pub. Opinion Res. Mass communication theory; public opinion; non-verbal communication; behavioral research methodology; statistics; measurement; probability sampling. Publ: Studies of consumption of mass media content, Journalism Quart., autumn 65; co-auth., A short-form dogmatism scale for use in field studies, Soc. Forces, 12/65; A field test of modified two-step flow of communication model, Pub. Opinion Quart., winter 66. Address: Dept. of Communication, Michigan State University, East Lansing, Mich. 48823.
- TROMATER, DR. L(UTHER) JAMES, b. Eustis, Fla., Jan. 5, 36; m. 60. PSYCHOLOGY. B.A., Bethany Col, 58; M.A., Illinois, 62; Ph.D.(psychol.), Texas Christian, 66. Instr. PSYCHOL., Arlington State Col, 64-66; ASST. PROF., RICHMOND, 66- Psychol. Asn. Human learning; psychomotor skills. Publ: Co-auth., Preferences of the white rat for solutions of sucrose and quinine hydrochloride, Am. J. Psychol., 1/66. Address: Dept. of Psychology, Richmond College, University of Richmond, Richmond, Va. 23173.
- TROMBLY, PROF. THELMA WOODHOUSE, Speech Path., Audiol., see 11th ed, Phys. & Biol. Vols.
- TROSMAN, DR. HARRY, Psychiat., Psychoanal., see 11th ed, Phys. & Biol. Vols.
- TROSPER, DR. JOSEPH FORREST, b. Plainville, Ind., Dec. 21, 18; m. c. 1. FINANCE. B.S. & M.B.A., Indiana, 48, D.B.A., 54. From asst. prof. to assoc. prof. econ., Tennessee, 49-55; from assoc. prof. to prof. ins., Southern Methodist, 55-67; CHMN. DIV. BUS. ADMIN., INDIANA, 67- Consult. ins. & finance, several corporations, banks & govt. bodies, 57-67. Mem. Tex. State Bd. Ins., 62-63. U.S.N., 40-45. Econ. Asn; Risk & Ins. Asn.(treas., 59-62).
- Life insurance and property insurance. Publ: Appraising the human life value of the key man, 60 & Overinsurance defined, 65, J. Ins. Address: Division of Business Administration, Indiana University, Fort Wayne, Ind. 46805.
- TROST, PROF. FREDERICK J, b. Mukwonago, Wis., Jan. 27, 06; m. 38; c. 1. SOCIOLOGY. Ph.B., Wisconsin, 44; M.A. Northwestern, 47; Ph.D.(sociol.), Colorado, 53. Asst. prof. sociol. & soc. work, Bowling Green State, 46-47; sociol., Syracuse, 47-49; acting asst. prof., Colorado, 49-53; prof. sociol. & psychol., Rocky Mt. Col., 53-55; from assoc. prof. to PROF. SOCIOL. RES., SOUTH. ORE. COL., 55- Medford Sch. Syst. grant, Ore., 58-61; assoc. res. dir., Ford Found. Community Studies, Inc., 62- Work-project design on method of decreasing delinquency among boys twelve to seventeen. Publ: Theories of social change; Group dynamics, the school and the delinquent & Social sex attitudes of college students, Coordinator. Address: Dept. of Sociology, Southern Oregon College, Ashland, Ore. 97520.
- TROTТА, PROF. MAURICE S, b. New York, N.Y., Aug. 15, 07. ECONOMICS. B.S., Fordham, 30, J.D., 32; M.A., Columbia, 32. From instr. to prof. econ. & chmn. dept., Upsala Col., 37-52; PROF. INDUST. RELS., N.Y. UNIV., 52-Pub. panel chmn. & economist, Region II, Nat. War Labor Bd., 42-45. Lectr., Econ. Develop. Admin. of P.R.; Univ. Puerto Rico; lectr., Grad. Sch. Bus. Admin., Lima, Peru & vis. prof., Univ. Argentina de la Empresa, summer 67; Organized sch. indust. rels., Univ. San Martin de Porres, Peru, for U.S. Agency Int. Develop., fall 67. Mem. panel mediators & fact finders, N.Y. State Pub. Employ. Rels. Bd., 68-; New York City Off. Collective Bargaining, 68- Acad. Arbit. Indust. Rels. Res. Asn. Industrial relations; supervisory training; arbitration awards. Publ: Labor arbitration, Simmons Boardman, 61; Insubordination, Bur. Nat. Affairs, Wash., D.C., 67; Grievances, Univ. Mich. Bur. Indust. Rels., 68. Address: Dept. of Management & Industrial Relations, New York University, New York, N.Y. 10003.
- TROTTER, PROF. CLARENCE E(ARL), b. Salix, Pa., Dec. 27, 18; m. 47; c. 4. MARKETING. B.S., Pa. State Col, 38; Ph.D., Minnesota, 55. Teacher, Pa., 38-44; Wayne County Sch. Bd., 46-48; PROF. MKT., PA. STATE, 51- U.S.A., 44-46. Agr. Econ. Asn. Marketing livestock, forest products and floricultural crops. Address: 121 Grandview Rd., State College, Pa. 16801.
- TROTTER, PROF. JOHN E(LLIS), b. Chicago, Ill., May 18, 21. GEOGRAPHY. S.M., Chicago, 53, Ph.D.(geog.), 62. From asst. prof. to PROF. GEOG., ILLINOIS STATE, 56-, HEAD DEPT., 67- U.S.A.F., 43-45, 1st Lt. Asn. Am. Geog. & Am. Geog. Soc. Climatology; recreational resources. Publ: State park system in Illinois, Dept. Geog., Univ. Chicago, 62; Some factors influencing attendance at Illinois state parks, J. Geog., 65. Address: 304 Normal Ave., Normal, Ill. 61761.
- TROTTER, PROF. LEONA SECHI, b. Paris, France; nat; c. 1. ECONOMICS. B.A., N.Y. Univ; M.A., Columbia. Instr., Upsala Col., 44-46, asst. prof., 46-55; from asst. prof. ECON. to ASSOC. PROF., FAIRLEIGH DICKINSON, 55- Lectr., Brooklyn Col., 45-50; spec. lectr., inst. mgt. & labor rels., Rutgers, 52. Labor mgt. consult., 45- Econ. Asn; Indust. Rels. Res. Asn; Arbit. Asn. Industrial relations. Publ: Co-auth., The labor-management assembly: a proposal, Rechley Pub, 66; Relationship between labor developments and political events in certain European countries in the post World War I period; Supervisory training in industry. Address: Dept. of Economics, Fairleigh Dickinson University, Teaneck, N.J. 07666.
- TROTTER, DR. WARREN K(INGSBURY), b. Largo, Fla., July 12, 22; m. 50; c. 2. AGRICULTURAL ECONOMICS, MARKETING. B.S.A., Florida, 47, M.S.A., 52; Ph.D., Cornell, 55. Agr. economist, farmer coop. serv., U.S. Dept. Agr., 55-58, econ. res. serv., 58-65; prof. mkt. Auburn, 55-66; AGR. ECONOMIST, ECON. RES. SERV., U.S. DEPT. AGR., 66- U.S.A., 43-46, 1st Lt. Agr. Econ. Asn; Mkt. Asn. Cooperative purchasing and marketing; utilization economics. Publ: Problems in marketing florist crops; Cooperative distribution of fertilizer in the South; New industrial crops; some economic considerations. Address: 4616 N. Chambliss St., Alexandria, Va. 22312.
- TROTTER, PROF. WILLIAM D(AVID), b. Kingston, Ont., Sept. 16, 21; m. 49; c. 3. SPEECH PATHOLOGY, AUDIOLOGY. B.A., Queen's (Can.), 49; M.A., Iowa, 50, fel, 51, Ph.D.(speech path.), 53. Res. assoc. SPEECH PATH., Iowa, 53-55; asst. prof., St. Louis, 55-57; MARQUETTE, 57-59, from assoc. prof. to PROF., 59- R.C.A.F., 41-45. Speech & Hearing Asn. Speech pathology, especially the problem of stuttering. Publ: Co-auth., Speaking time behavior of stutterers before and after therapy, J. Speech & Hearing Res., 58; auth., Listener adaptation to cerebral palsied speech, 59 & Effect of the mother's presence on the speech behavior of the young stutterer, 60, Cent. States Speech J. Address: Dept. of Speech, Marquette University, Milwaukee, Wis. 53233.
- TROUGHTON, PROF. M.J., b. Leeds, Eng., Aug. 3, 39; m. 62; c. 1. GEOGRAPHY. B.A., Oxford, 62, B. Litt., 64, hon. M.A., 67; Copenhagen, 62-63. Lectr., WESTERN ONTARIO, 64-67, ASST. PROF. AGR. GEOG., 67- R.A.F., 57-59. Can. Asn. Geog.; Royal Danish Geog. Soc.; Brit. Geog. Asn. Agricultural geography; reclamation in Denmark; functional farm unit and its use in quantitative model building. Publ: The Erie research project, Int. Bus. Mach. Corp., 68; The agricultural system, Ont. Geog., 68. Address: Dept. of Geography, University of Western Ontario, London, Ont., Can.
- TROUSDALE, DR. WILLIAM B, Archaeol., Art Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- TROUT, PROF. ROBERT O(REN), b. Girard, La., Aug. 4, 04; m. 52. GEOGRAPHY, SOCIOLOGY. B.A., La. Polytech, 38; M.A., La. State, 42, Ph.D. (sociol.), 54. Teacher, pub. schs., La., 25-28, prin., Ark., 27-36, La., 36-47; asst. prof. hist., LA. POLYTECH, 47-50, assoc. prof. soc. sci., 50-54, PROF. GEOG. & SOCIOL., 54- Instr., La. State, 48-50, 51-52. Del. White House Conf. Aging, 61. U.S.N., 42-46. Influence of home environment on children's school work; population analysis; vanishing culture. Publ: Origin of the pioneer population of the north central Louisiana hill country, Proc. South-

west. Sociol. Soc; co-auth, Geography of Louisiana: an earth science series. Address: Dept. of Geography, Louisiana Polytechnic Institute, Ruston, La. 71271.

TROUTMAN, PROF. WILLIAM FIFE, JR, b. U.S. June 7, 18; m. 49; c. 1. POLITICAL SCIENCE, HISTORY. B.S. Western Carolina, 41; M.A. Duke, 47, Ph.D. (polit. sci.), 59. Prof. soc. sci. & head dept. Gardner-Webb Jr. Col., 49-56; prof. POLIT. SCI., Atlantic Christian Col., 56-62; Appalachian State, 62-65; PROF. & CHMN. DEPT., EAST CAROLINA, 65- U.S.A.A.F., 43-46. Polit. Sci. Assn. Political theory, especially theories of church and state. Address: Dept. of Political Science, East Carolina University, P.O. Box 2752, Greenville, N.C. 27834.

TROUBORST, PROF. ALBERT, Soc. Anthropol., see 10th ed, Soc. & Behav. Vols.

TROW, PROF. DONALD B (ROWNELL), b. New Haven, Conn., Dec. 13, 25; m. 48; c. 3. SOCIAL PSYCHOLOGY. A.B. Michigan, 47, M.A. 51, Ph.D. 55. Sr. res. fel. grad. sch. indust. admin. Carnegie Inst. Tech., 54-57; asst. prof. SOCIOL., Yale, 57-60; assoc. prof. Harpur Col., STATE UNIV. N.Y. BINGHAMTON, 60-65; PROF., 65- Vis. prof., Arizona, 66. U.S.N.R., 43-46. Fel. Sociol. Assn. Small groups; decision process in groups and organizations; turnover and succession processes. Publ: Membership succession and team performance, Human Rel.; Executive succession in small companies, Admin. Sci. Quart.; Status equilibration in the laboratory, Pac. Sociol. Rev., winter 67. Address: Dept. of Sociology, State University of New York at Binghamton, Binghamton, N.Y. 13901.

TROW, PROF. WILLIAM CLARK, b. Northampton, Mass., Dec. 11, 94; m. 20; c. 2. EDUCATIONAL PSYCHOLOGY. A.B. Colgate, 15; A.M. Columbia, 19, Ph.D. (psychol.), 24. From instr. to asst. prof. ED. PSYCHOL., Rochester, 19-22; assoc. prof., Cincinnati, 23-26; MICHIGAN, 26-31, prof., 31-65. EMER. PROF., 65-, dir. civil affairs training sch. & chmn. for. area & lang. study, Army Specialized Training Prog. Vis. assoc. prof., Yale, 25-26. Chmn. bd. ed. J. Ed. Psychol., 54-57. Mem. U.S. Ed. Mission, Japan, 46. Med.C. U.S.A., 18-19. Fel. Psychol. Assn. Learning process; personality. Publ: Educational psychology, 31, 50 & Psychology in teaching and learning, 60, Houghton; Teacher and technology—new designs for learning, Appleton, 63. Address: 931 Oakdale Rd, Ann Arbor, Mich. 48105.

TROWBRIDGE, PROF. LOWELL S., b. Framingham, Mass., Sept. 16, 07; m. 37; c. 2. PSYCHOLOGY. B.B.A. Boston, 31, M.B.A. 32, M.A. 33, fel. 67. Nat. Sci. Found. fel. Sch. Int. Studies, Geneva, summer 33; instr., Portland Jr. Col., 34-38; clin. psychologist, private psychiat. clin., 38-42; civilian psychologist, U.S. Army, 42-43; from instr. to ASSOC. PROF. PSYCHOL., BOSTON, 43- Res. assoc. psychiat. serv., Boston City Hosp., 43-; lectr. Ghent, 62. Consult. Wash. Hosp. Alcoholics, 37-43. Psychological testing; alcoholism; group dynamics; psychological effect of drugs. Publ: Human relations, Nat. Foreman's Inst., 63. Address: 49 Columbus St, Newton Highlands, Mass. 02161.

TROWBRIDGE, DR. NORMA T (HOMSEN), b. Audubon, Iowa, Oct. 8, 21; m. 44; c. 2. PSYCHOLOGY. B.A. Drake, 59, M.A. 61; Ph.D. (psychol. ed. child development), Iowa State, 64. Asst. prof. PSYCHOL., DRAKE, 63-65, ASSOC. PROF., 66- Fulbright lectr. & res. award, India, 65-66, Afghanistan, summer, 65, Thailand & Japan, summer, 66; U.S. title III grant & consult. dir. res., 66-68. Consult. East. Air Lines, 63-66; United Air Lines, 66-67. Psychol. Assn. Personality dimensions of creative children cross culturally; assessment of creativity; use of educational radio and television in teaching in rural areas. Address: College of Education, Drake University, Des Moines, Iowa 50311.

TROXEL, PROF. CHARLES E (MERY), b. Baxter, Iowa, Oct. 6, 08; m. 34. ECONOMICS. B.S. Iowa, 29, Ph.D. 35; M.B.A. Northwestern, 30. Instr. Chattanooga, 30-32; asst. prof. North Dakota, 35-36; ECON. WAYNE STATE, 36-43, assoc. prof., 43-48, PROF., 48- Econ. Assn. Public utility controls; transportation economics and regulation; antitrust problems. Publ: Economics of public utilities; Economics of transport; co-auth, Utility regulation: new directions, Random, 66. Address: 1683 Burlingame, Detroit, Mich. 48206.

TROXELL, PROF. JOHN P (HILIP), b. St. Joseph, Mo., Jan. 20, 00. INDUSTRIAL RELATIONS. A.B. Washburn Col., 20; Michigan, 21-22; Ph.D. Wisconsin, 31. Instr. Wisconsin, 23-25; asst. prof. econ. Kentucky, 27-29; mgr. Shoe Workers' Protective Union, Mass., 29-31; assoc. prof. econ. Duke, 32-34; prof. indust. rels., Dartmouth Col., 40-42; instr. U.S. Army Univ. Eng., 45; prof. INDUST. RELS. & dir. div. grad. sch. bus., STANFORD, 46-66, EMER. PROF., 66- Vis. prof. Mississippi, 67- Mem. arbit. panel, West-Coast Paper Indust., 66- Collective bargaining; employee relations. Publ: Employee understanding and teamwork for productivity. Address: Dept. of Economics, University of Mississippi School of Business, University, Miss. 38677.

TROYER, DR. MAURICE E, b. Normal, Ill., Aug. 24, 03; m. 25; c. 3. HIGHER EDUCATION, PSYCHOLOGY. A.B. Bluffton Col., 23; M.A. Ohio State, 30, Ph.D. (ed. psychol.), 35. Supt. Bur. Twp. Schs., Princeton, Ill., 23-29; instr. ed. psychol., Bluffton Col., 30-32; Ohio State, 32-36; asst. prof. ed. psychol., sch. ed., Syracuse, 36-39, assoc. prof., 39-40, admin. dir., 36-40; res. assoc. eval. tech., Am. Coun. Ed., 40-43; dir. sch. serv., Syracuse, 43-45, dir. eval. serv. center, 45-51, dir. psychol. serv. center, 48-51; v-pres. ed. Int. Christian Univ., Tokyo, 51-62, dir. res. values proj., 62-66; PROF. HIGHER ED., SYRACUSE, 66- Julius Stone distinguished vis. prof., Ohio State, 60; Rockefeller Found. res. grant, 61-65. Chmn. bd. dir. N.Y. State Citizens Coun., 47-51. Third Order Sacred Treasure, Japan, 66. AAAS; Ed. Res. Assn; Psychol. Assn; Asn. Higher Ed. Evaluation of teacher effectiveness; value consequences of higher education; roles and supporting values of students, faculty and administration in university policy and decision making. Publ: Co-auth, A functional program of teacher education, Am. Coun. Ed., 41, Evaluation in teacher education, Am. Coun. Ed., 44 & Roles and values of students, faculty, administration in university policy and decision making, Tokyo, 64. Address: 314 Sims IV, Syracuse University, Syracuse, N.Y. 13210.

TROYER, DEAN WILLIAM LEWIS, b. N.Dak., Apr. 5, 09. SOCIOLOGY. A.B., Grinnell Col., 30; B.D., Chicago Theol. Sem., 37, Blatchford Found. traveling fel., 37, 38; Ph.D., Chicago, 42. Chmn. dept. sociol., Drury Col., 42-46; prof. & chmn. dept., Albion Col., 46-53; Fund Adv. Ed. fel., 52-53; chmn. dept. soc. sci., NAT. COL. ED., 53-63, dean grad. sch., 59-62, DEAN INSTR., 62- Co-dir. teacher ed. workshop, Minnesota, summers, 61-63. AAAS; Sociol. Assn. Social psychology; anthropology; social matrix for development of religious personality. Publ: Mead's social and functional theory of mind, Am. Soc. Rev.; Christian nurture and recent social science investigation, Relig. Ed. Address: National College of Education, 2840 Sheridan Rd, Evanston, Ill. 60201.

TRUAX, DR. CHARLES B., b. Springfield, Ill., June 28, 33; m. 59; c. 2. CLINICAL PSYCHOLOGY, PSYCHOTHERAPY. B.S. Arizona State, 55; M.S. Wisconsin, 56, Ph.D. (psychol.), 60. Teaching asst. gen. psychol., Wisconsin, 57-59; res. assoc. & res. asst. prof. child develop., psychother. & personality, Iowa, 59-60; co-dir. postdoctoral training prog. psychother. & psychother. res., Wisconsin, 60-63; assoc. prof. psychother. & psychol. & dir. psychother. res. group, Kentucky, 63-65; ASSOC. PROF. PSYCHOL. & DIR. RES. ARK. REHAB. RES. & TRAINING CENTER, UNIV. ARKANSAS, 65- Am. Rehab. & Counseling Assn. res. award, 66-67. Psychol. Assn. Publ: Co-auth, Toward effective counseling and psychotherapy: training and practice, Aldine, 67, The therapeutic relationship and its impact: a study of psychotherapy with schizophrenics, Univ. Wisconsin, 67 & Six views of psychotherapy: alternative to classical psychoanalysis, Int. Sci. Press, Inc. 68. Address: Arkansas Rehabilitation Research & Training Center, 346 N. West Ave, Fayetteville, Ark. 72701.

TRUAX, PROF. WILLIAM E (LLSWORTH), JR, b. Elrama, Pa., Jan. 14, 16; m. 42; c. 1. COUNSELING, PSYCHOLOGY. B.A., Pittsburgh, 41; M.S. Wisconsin, 47, Ph.D. 53. Asst. personnel, Wisconsin, 47-48, counsr., 48-50; asst. prof. COUNSELING PSYCHOL., EAST TEXAS STATE, 50-53, assoc. prof., 53-56, PROF., 56-, DEAN SCH. ED., 67-, asst. dir. student personnel & guid., 50-53, assoc. dir., 53-56, dir., 56-61, dean student personnel serv., 61-67. Consult. sch. systs., Tex., 50-62; Tex. Ed. Agency, 59-60; U.S. Off. Ed., 61. U.S.A.A.F., 41-46, Capt. Personnel & Guid. Assn. Underachievement of students; competencies in training counselors. Publ: Critical requirements of small school counselors, Personnel & Guid. J.; Comparison of the group and individual forms of the Minnesota multiphasic personality inventory & Under achievement scale, J. Ed. Res. Address: 2400 Bryan St, Commerce, Tex. 75428.

TRUEBLOOD, DR. CHARLES K., b. Richmond, Ind., Aug. 20, 93; m. 49. PSYCHOLOGY. B.S. Earlham Col., 13; B.S. Haverford Col., 14; M.A. Harvard, 15, Ph.D. 31. Instr. Eng. Missouri, 15-16; Wisconsin, 16-18; asst. chief clerk, Vet. Bur., 18-26; instr. psychol., Brown, 29-32, asst. prof., 32-35; lectr. psychol. & ed. New Eng. Conserv. of Music, 37-44; prof. psychol., Hillsdale Col., 44-49, dean instr., 46-49; prof. PSYCHOL., AMERICAN UNIV., 49-60, chmn. dept., 52-60, EMER. PROF., 60- AAAS; Psychol. Assn; Acad. Polit. & Soc. Sci. Personality, social. Publ: Beliefs and personality & Sainte Beuve and the psychology of personality, J. Abnorm. & Soc. Psychol. Address: 7100 Armat Dr, Bethesda, Md. 20034.

TRUEBLOOD, PROF. DENNIS LEE, Soc. & Counseling Psychol., see 10th ed, Soc. & Behav. Vols., deceased 64.

TRUEBLOOD, PROF. E (LWYN) J (UDSON), Sociol., see 10th ed, Soc. & Behav. Vols.

TRUEBLOOD, DR. LESTER W., b. Loogootee, Ind., Aug. 6, 11; m. 39; c. 4. GEOGRAPHY, INTERNATIONAL AFFAIRS. B.S. Ind. State Teachers Col., 33; M.A. Clark, 36, Ph.D. (int. affairs), 54. Chmn. dept. geog., Judson Col., 36-41; acting chmn., Pittsburgh, 42; res. analyst mil. geog., U.S. Army, 42-47, asst. chief topog. br., 47-50, chief, mil. geog. br., Army Map Serv., 50-51, asst. chief, engr. strategic intel. div., 51-53, chief, 53-59, chief, engr. intel. dept., 59; geogr. Off. Chief Res. & Develop., Dept. Army, 59-61, chief, desert & trop. br., 61-63, chief regional br., 63-65, chief earth sci. div., U.S. ARMY NATICK LABS, 65-66, DIR., EARTH SCI. LAB., 66- Consult. Secy. War, 42. Cent. Intel. Agency citation, 58. Asn. Am. Geog. Political and military geography; regional geography of Southeast Asia. Publ: Complexity of India and Burma, Int. World political geography; co-auth, Rangoon: a study in urban geography, Geog. Rev. Address: U.S. Army Natick Labs, Kansas St, Natick, Mass. 01760.

TRUED, DR. M (ERLYN) N (ELSON), b. Ceresco, Nebr., Dec. 23, 22; m. 44; c. 2. ECONOMICS. B.A. Oregon, 50; M.A. Virginia, 51, Davidge fel. & Wessel fel., 51-52, Du Pont sr. fel., 52-53, Ph.D. (econ.), 54. Instr. dept. econ. & res. assoc. bur. pop. & econ. res., Virginia, 53-54; economist, Fed. Reserve Bank of N.Y., 54-55, asst. chief for. ops. div., 55-56, spec. asst., 56-57; econ. adv. Mission to Vietnam, 57-58, 58-60; chief for. res. div. res. dept., Fed. Reserve Bank of N.Y., 58, mgr. pub. info. dept., 60, mgr. for. dept., 60-62, asst. v-pres. for. dept., 62-63; dep. asst. secy. int. affairs, U.S. Dept. Treas., 63-64, acting asst. secy., 64-65, asst. secy., 65-66; SR. V.PRES. MONETARY MGT. & INT. AFFAIRS, CENT. NAT. BANK OF CLEVELAND, 66- Instr. Rutgers, 55-56; lectr. grad. sch. bus., N.Y. Univ., 59-61. Consult. U.S. Dept. Treas., 67- Alexander Hamilton award, U.S. Dept. Treas., 66. U.S.N. & U.S.M.C., 42-46, Maj. Econ. Assn. International trade and finance; monetary theory. Publ: Interest arbitrage exchange rates and gold and dollar reserves; Industrial development center of Vietnam; United States official operations in the foreign exchange and gold markets, U.S. Dept. Treas., 5/66. Address: 2930 Chadbourn Rd, Shaker Heights, Ohio 44120.

TRUEDELL, DR. LEON EDGAR, b. Rowe, Mass., Mar. 15, 80; m. 16; c. 2. STATISTICS. A.B. & A.M. Brown, 07; hon. Sc.D., 31; Ph.D. (econ. statist), Brookings Grad. Sch. Econ., 28. Agr. statistician, U.S. Dept. Agr., 14-19; U.S. Bur. Census, 19-24, chief pop. div., 25-48, chief demographer, 48-55; CONSULT., 55- Fel. AAAS; fel. Statist. Assn; Econ. Assn; Int. Union Sci. Study of Pop. Relation between population and economic conditions; population forecasting. Publ: Farm population in the United States; The Canadian born in the United States; The development of punch card tabulation in the Bureau of Census. Address: 3429 Ordway St. N.W., Washington, D.C. 20016.

- TRUESWELL, DR. RICHARD W(ILLIAM), Indust. Eng, see 11th ed, Phys. & Biol. Vols.
- TRUETT, J(OHN) BRUCE, chem. eng. demog, see 11th ed, Phys. & Biol. Vols.
- TRUHAN, ANDREW, b. Campbell, Ohio, June 10, 22; m. 52; c. 1. GEO-POLITICS. A.B. Michigan, 47; California, 48; Middlebury Col, 50. Res. analyst, U.S. Dept. Defense, 48-51; res. specialist, Army Map Serv, 51-55; Off. Chief Engrs, 55-59; oper. res. analyst, Lockheed Aircraft Corp, 59; mil. planner, Off. Chief Engrs, 59-67; MIL. PLANS OFFICER, STRATEGY & TACTICS ANAL. GROUP, DEPT. ARMY, 67- U.S.N., 43-46, Lt.(jg). Asn. Am. Geog; Soc. Mil. Eng. East European politics; Russian area studies; operations research; strategic planning. Address: 5820 Sonoma Rd, Bethesda, Md. 20034.
- TRUITT, GRAY, Econ, see 10th ed, Soc. & Behav. Vols.
- TRUMAN, DR. DAVID B(ICKNELL), b. Evanston, Ill, June 1, 13; m. 39; c. 1. POLITICAL SCIENCE. A.B. Amherst Col, 35, L.H.D. 64; M.A. Chicago, 36, Ph.D. 39. Inst. soc. studies, Bennington Col, 39-41; govt, Cornell, 41-44; dep. chief morale div, U.S. Strategic Bombing Surv, Pac, 45-46; vis. lectr. govt, Harvard, 46-47; assoc. prof. polit. sci, Williams Col, 47-51; prof. govt, Columbia, 51-62, dean, Columbia Col, 62-67, V.PRES. & PRO-VOST, COLUMBIA, 67- Vis. assoc. prof, Columbia, 50-51; Ford Found. fel, 55; Guggenheim fel, 55-56. Consult, opers. res. off, Hopkins, 49; cmt. human resources, res. & develop. bd, U.S. Dept. Defense, 50-53. Broadcast analyst, for. broadcast intel. serv, Fed. Commun. Cmn, 42-43; asst. cmt. head div. prog. survs, bur. agr. econ, U.S. Dept. Agr, 43-44, mem. cmt. pre-election polls & forecasts, Soc. Sci. Res. Coun, 48-49, cmt. polit. behav, 50-62. U.S.N.R., 44-46, Lt. AAAS(v.pres, 67); fel. Am. Acad. Arts & Sci; Polit. Sci. Asn; Philos. Soc. Political behavior; public opinion. Publ: Governmental process; Congressional party; co-auth, Pre-election polls of 1948. Address: 202 Low Memorial Library, Columbia University, New York, N.Y. 10027.
- TRUMAN, DR. EDWIN MALCOLM, b. Albany, N.Y., June 6, 41; m. 64. ECONOMICS. B.A. Amherst Col, 63; Woodrow Wilson fel, Yale, 63-64, M.A., 64, Ford Found. fel, 65-66, Woodrow Wilson fel, 66-67, Ph.D.(econ), 67. ASST. PROF. ECON, YALE, 67- Econ. Asn. International economics and economic theory. Address: Dept. of Economics, Yale University, New Haven, Conn. 06520.
- TRUMBO, DR. BRUCE EDWARD, Statist, see Suppl. V to 11th ed, Phys. & Biol. Vols.
- TRUMBO, PROF. DON ARTHUR, b. Grand Ledge, Mich, July 4, 29; m. 53; c. 4. PSYCHOLOGY. B.S. Western Michigan, 53; M.A. Michigan State, 55, Ph.D. 58. Personnel analyst, Chrysler Corp, 55; instr. psychol, Mich. State, 55-56, asst. labor & indust. rels. center, 56-57; instr. PSYCHOL, Kansas State, 57-58, asst. prof, 58-62, assoc. prof, 62-66, PROF, 66-67; PA.STATE, 67- AAAS; Psychol. Asn; Psychonomic Soc. Information processing and skill performance; engineering and social-industrial psychology; individual and group performance in man-machine systems. Publ: Co-auth, The selection interview since 1949, Psychol. Bull, 2/65; The organization of skilled response, Orgn. Behav. & Human Performance, 2/67 & Motor performance on temporal tasks as a function of sequence length and coherence, J. Exp. Psychol, 68. Address: Dept. of Psychology, Burrows Bldg, Pennsylvania State University, University Park, Pa. 16802.
- TRUMBULL, DR. R(ICHARD), b. Johnstown, N.Y., Apr. 6, 16; m. 39; c. 4. PHYSIOLOGICAL PSYCHOLOGY. A.B. Union Col.(N.Y.), 37, M.S. 39; Ph.D. Syracuse, 51. Asst. prof. psychol, Green Mt. Jr. Col, 39-42, prof. & chmn. dept, 46-48; instr, Syracuse, 48-51; asst. head physiol. psychol. br, U.S. OFF. NAVAL RES, 53-54, acting head, 54-55, head, 55-61, dir. psychol. sci. div, 61-67, RES. DIR. OFF, 67- Adv. Surgeon Gen, Fed. Aviation Admin, 66-; Am. Nurses Found, Inc, 67- Mem. vision cmt, Armed Forces-Nat. Res. Coun, 45-46, 53-, cmt. bioastronaut, 59-; panel motivation & morale, Res. & Develop. Bd, 52-53; adv. group human factors, NATO, 67- U.S.N., 43-46, 51-53, Capt. AAAS; Psychol. Asn; Aerospace Med. Asn. Dark adaptation; visual acuity; mathematics; personality; research administration. Publ: Co-auth, Psychological studies, Appleton, 67. Address: 4708 N. Chelsea Lane, Bethesda, Md. 20014.
- TRUMP, PROF. ROSS MYRON, b. West Manchester, Ohio, Dec. 25, 11; m. 34; c. 2. MARKETING, MANAGEMENT. B.S. Ohio State, 37, M.B.A. 38, Ph.D. (bus. orgn), 47. Asst. prof. bus, Tulane, 38-41, from assoc. prof. to prof. & from asst. dean to exec. asst. to the pres, 42-47; mgr. pub. U.S. Savings & Loan League, Chicago, Ill, 41-42; asst. dean, Am. Col. Life Underwriters, Pa, 47-49; PROF. MKT, SCH. BUS. & PUB. ADMIN, WASHINGTON (ST. LOUIS), 49-, dean, 54-67, dean grad. sch, 58-67. Consult, Coun. Int. Progress Mgt, Chile, summer 57; U.S. Dept. State, Korea, 57, 59, 60 & 65, Tunisia, 60; res. consult, OEEC, 60-61. U.S. Rep. Int. Conf. Mgt. Ed, Germany, 58, Portugal, 59, Paris, 60 & 64. Mkt. Asn; Risk & Ins. Asn; Acad. Mgt. Publ: Government supervision of life insurance, Am. Col. Life Underwriters, 49; co-auth, Essentials of marketing management, Houghton, 67. Address: Graduate School of Business, Washington University, St. Louis, Mo. 63130.
- TRUMPENER, DR. ULRICH, Mod. European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- TRUTZA, PROF. PETER, Sociol, Econ, see 10th ed, Soc. & Behav. Vols.
- TRUUMAA, DR. AARE, b. Estonia, Aug. 6, 26; nat; m. 59. CLINICAL PSYCHOLOGY. A.B. Occidental Col, 51, M.A. 52; Ph.D.(psychol), Purdue, 57. Asst. clin. psychol, Purdue, 52-55; trainee, Vet. Admin. Hosp, Ft. Wayne, Ind. 55-56, Marion, 56-57, Vet. Admin. Ment. Hyg. Clin, Indianapolis, 57; staff psychologist, Norman Beatty Mem. Hosp, 57-58; instr. CLIN. PSYCHOL, SCH. MED, INDIANA, 58-61, from asst. prof. to ASSOC. PROF, 61-, CHIEF PSYCHOLOGIST, RILEY CHILD GUID. CLIN, MED. CENTER, 60-, staff psychologist, 58-60. Psychol. Asn. Child development; family interaction and dynamics; perception and personality; psychological tests and measurements; psychotherapy. Publ: Co-auth, Family group intake by a child guidance clinic team, Arch. Gen. Psychiat. Address: Dept. of Psychiatry, Indiana University School of Medicine, Indianapolis, Ind. 46207.
- TRUXAL, PRES. ANDREW G(EHR), b. Greensburg, Pa, Feb. 2, 00. SOCIOLOGY. A.B. Franklin & Marshall Col, 20; A.M., 23, LL.D., 48; B.D., Theol. Sem. Reformed Church in U.S., 23; A.M., Dartmouth Col, 35; Ph.D., Columbia, 28; LL.D., West. Md. Col, 61. From instr. to asst. prof. sociol, Dartmouth Col, 28-35, prof, 35-48; PRES, Hood Col, 48-61; ANNE ARUNDEL COMMUNITY COL, 61- Sociol. Asn. Outdoor recreation legislation and its effectiveness; the family in American culture. Address: Anne Arundel Community College, Severna Park, Md. 21146.
- TRYK, DR. H(AROLD) EDWARD, b. Los Angeles, Calif, Mar. 11, 33; m. 59; c. 1. PSYCHOLOGY. B.A., San Jose State Col, 58; M.A., Oregon, 62, Ph.D. (psychol), 65. Res. trainee PSYCHOL, behav. res. lab, Palo Alto Vet. Admin. Hosp, Calif, 64-65, res. assoc, 65-67; ASST. PROF, VICTORIA (B.C), 67- Consult, bay pavilion, Royal Jubilee Hosp, Victoria, B.C, 67- U.S.C.G., 51-54, Res, 54-59. AAAS; Psychol. Asn. Human cognitive functions; adaptive, mal-adaptive and expressive human behavior as a function of cognitive structure. Publ: Co-auth, Word association: common and original response, Science, 63; auth, Assessment in the study of creativity, In: Advances in psychological assessment, Sci. & Behav, 68; The subjective scaling of word-frequency, Am. J. Psychol, (in press). Address: Dept. of Psychology, University of Victoria, Victoria, B.C., Can.
- TRYON, DR. JOSEPH L(EE), b. Washington, D.C., Jan. 17, 27. ECONOMICS, STATISTICS. B.A. Minnesota, 49; M.A., Harvard, 51, Ph.D., 61. Instr. ECON, Georgetown, 58-61, asst. prof, 61-65; vis. assoc. prof, Philipines, 65-67; ASSOC. PROF, GEORGETOWN, 67- Economist, Nat. Planning Assn, 63-67. Consult, Interstate & For. Commerce Cmt, U.S. Cong, 60. U.S.N., 44-46; U.S.A.F., 54-56, 1st Lt. AAAS; Econ. Asn; Statist. Asn; Economet. Soc; Soc. Int. Develop. Composition of growth of the economy; growth processes of underdeveloped countries; development planning. Publ: Co-auth, Prices and costs in manufacturing industries; Economic growth: issues and prospects, Praeger, 63; Brookings quarterly econometric model of the United States, Rand McNally, 65. Address: Dept. of Economics, Georgetown University, Washington, D.C. 20007.
- TRYON, PROF. ROBERT C(HOATE), Psychol, see 11th ed, Phys. & Biol. Vols.
- TSAGOS, DR. ZOE GLAVA, Econ, see 10th ed, Soc. & Behav. Vols.
- TSAI, DR. KUO YING PAUL, Polit. Sci, Asian Studies, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- TSAI, PROF. LOH SENG, b. Kwangtung, China, Feb. 6, 01; nat; m. 32; c. 4. PSYCHOLOGY. B.A. Nanking, 24, M.S. Fuh Tan Univ, 26; Ph.D.(psychol), Chicago, 28. Asst. prof, Chicago, 29-31; secy. & acting dir. psychol. inst, Acad. Sinica, 31-35; prof. psychol, Nat. Peiping Normal Univ, 35-39; head psychol. dept. & dean col. arts, Nanking, 39-46; dir. psychol. inst. & dean teachers col, Sun Yat Sen Univ, 46-47; vis. prof, Brown & California, Los Angeles, 47-48, 51; prof. PSYCHOL, TULANE, 48-66, EMER. PROF, 66-; PROF. PSYCHOL, CALIF. STATE COL. FULLERTON, 65- Fulbright lectr, Taiwan, 62-63. Chinese Army, 42-46, Col. Fel. Psychol. Asn; Int. Cong. Psychol. Social behavior in animals; effects of dietary deficiency and brain damage; psychology of learning Chinese characters. Publ: Laws of minimum effort and maximum satisfaction in animal behavior; Selected basic Chinese characters; Cooperation between the cat and the rat. Address: Dept. of Psychology, California State College at Fullerton, Fullerton, Calif. 92631.
- TSAI, DR. MAURICE, b. Potzu, Taiwan, Jan. 22, 31; m. 65. ECONOMICS. B.S. Taiwan, 55; M.A., Oregon, 61; Ph.D.(econ), Southern Illinois, 66. ASST. PROF. ECON, Evansville, 64-67; NORTHERN MICHIGAN, 67- Econ. Asn; Economet. Soc. Portfolio investment model; economic development and foreign capital servicing. Address: 1420 W. Center St, Marquette, Mich. 49855.
- TSAO, DR. CHE S(HENG), b. Hangchow City, China, Oct. 6, 33. ECONOMICS, STATISTICS. B.S. Chung Hsing Univ, Taiwan, 55; M.S., Wisconsin, 64, Ph.D. (econ), 66. Res. scientist economet, George Washington, 66-68, asst. prof. lectr. econ, 67-68; ASST. PROF. ECONOMET, MASSACHUSETTS, 68- Econ. Asn; Economet. Soc; Statist. Asn. Theory and methods in building and estimating economic models; mathematical programming studies of dynamic industrial performances; macroeconomic investment theory. Address: Dept. of Economics, University of Massachusetts, Amherst, Mass. 01002.
- TSCHUDY, DR. JAMES JAY, b. U.S.A., July 27, 25; m. 46; c. 3. PSYCHOLOGY. B.S. Utah, 50; M.S., Brigham Young, 53; Ph.D.(counseling psychol), Alameda, 58. Personnel supvr, Transcon Lines, 53-54; clin. psychologist, guid. clin, Alameda County Probn. Dept, 54-56; asst. inst. res. higher ed, California, 56-58; asst. soc. scientist, Syst. Develop. Corp, 58-59, sr. human factors specialist, 59-60, assoc. human factors scientist, 60-61; assoc. prof. PSYCHOL, Utah State, 61-66; ASSOC. PROF. & HEAD DEPT, CHAPMAN COL, 66- Mem. staff, North. Utah Ment. Health Clin, 61- U.S.N., 42-46, 51-52, Res, 52-, Comdr. Psychol. Asn. Values as personality determinants; physiological components of behavior; therapy; psychological warfare and motivation of the masses. Publ: Art of counseling. Address: Dept. of Psychology, Chapman College, Orange, Calif. 92666.
- TSE, PROF. JOHN YUNG DONG, b. Shanghai, China, 24; m. 53; c. 2. INDUSTRIAL ADMINISTRATION. B.S.C.E., St. John's Univ, China, 44; M.B.A., Stanford, 51; D.C.S., Harvard, 57. PROF. INDUST. ADMIN, PURDUE, 57- Ford Found. vis. fel, Princeton, 61-62; vis. prof, faculty commerce, Birmingham, 66-67. Inst. Mgt. Sci; Am. Finance Asn; Am. Acct. Asn; Nat. Asn. Acct. Financial administration; and management control. Publ: Profit planning through volume and cost analysis, Macmillan, 61; Budget flessibili, Vol 1, Etas Kompass, Milan, 65. Address: Krannert Graduate School of Industrial Administration, Purdue University, Lafayette, Ind. 47907.

TSENG, PROF. CHIPEI P., b. Changsha, China, Sept. 7, 20. **ECONOMICS, STATISTICS.** B.A., St. John's Univ, China, 43; M.A., Iowa, 48, Ph.D., 50. **ASSOC. PROF.** econ, Villanova, 62-67; **FINANCE, NORTHERN ILLINOIS**, 67- Development problems of Far Eastern countries; applied statistics as well as recent developments in quantitative methods. Publ: In defense of profit maximization, *West. Bus. Rev.*; Two failure distributions based on CH-47 A data, *Boeing Document D8-0217*, 9/65. Address: Dept. of Finance, Northern Illinois University, DeKalb, Ill. 60115.

TSIANG, PROF. S(HO) C(HIEH), b. Shanghai, China, June 27, 18; m. 47; c. 3. **ECONOMICS.** B.Sc., London Sch. Econ, 41; Ph.D., London, 45. Prof. econ, Nat. Peking Univ, China, 46-48; economist, Int. Monetary Fund, 49-61; **PROF. ECON, ROCHESTER**, 61- Vis. sr. res. fel, Jesus Col, Oxford, 66-67; Guggenheim fel, 66-67. Am. Econ. Assn; Economet. Soc; Royal Econ. Soc; Chinese Nat. Acad. Monetary theory; international economics. Publ: Liquidity preference and loanable funds theories, multiplier and velocity analysis; a synthesis; Role of money in trade balance stability: synthesis of the elasticity and absorption approaches; A model of growth in Rostovian stages, *Econometrica*, 10/64. Address: 623 Bonnie Brae Ave, Rochester, N.Y. 14618.

TSOU, PROF. TANG, b. Canton, China; nat; m. 43. **POLITICAL SCIENCE.** B.A., Nat. Southwest Univ, China, 40; fel, Chicago, 46-47, Ph.D.(polit. sci), 51. Instr. polit. sci, Ill. Inst. Tech, 51-52; lectr, Utah, 52-55; res. assoc, center study Am. for. policy, CHICAGO, 55-62, asst. prof, 59-62, assoc. prof, 62-66, **PROF. DEPT. POLIT. SCI.**, 66-, **PROF. DEPT. FAR EAST. LANG. & CIVILIZATIONS**, 67- Res. grants, Soc. Sci. Res. Coun. & Am. Coun. Learned Socs, 62 & 68-69, Rockefeller Found, 65-66. Polit. Sci. Assn; Asn. Asian Studies. Comparative politics; revolution and reintegration in China—an interpretation of Twentieth Century China; political development in Communist China, 1959 to the present: a study of tension between ideology and reality. Publ: America's failure in China, 63 & co-auth, *Crisis in China*, 2 vols, 68, Univ. Chicago; co-auth, Mao Tse-tung's revolutionary strategy and Peking's international behavior, *Am. Polit. Sci. Rev.*, 3/65. Address: Dept. of Political Science, University of Chicago, Chicago, Ill. 60637.

TSOUDEROS, DR. JOHN EMMANUEL, b. Crete, Greece, Jan. 7, 23; nat; m. 52; c. 3. **SOCIOLOGY.** Ph.D.(sociol), Minnesota, 53. Asst. prof. sociol. & econ, St. Olaf Col, 52-53; vis. prof. sociol, California, Los Angeles, 52-53; Idaho, 53-54; assoc. prof. soc. sci, Ga. Inst. Tech, 54-60; econ. consult. & agr. res. analyst, Greece, 60-61; **DEP. GREEK PARLIAMENT**, 61-, dep. minister of coord, 65-66. Fulbright res. scholar, Greece, 58-60. U.S.A., 43-45. Sociol. Assn. Publ: Greek agricultural cooperatives; Watershed development and agricultural policy in Greece. Address: Neofetou Douka 12, Athens, Greece.

TSUCHIYAMA, DR. TAMIE, Anthropol, see 10th ed, Soc. & Behav. Vols.

TSUI, DR. TIM T., b. Honan, China, May 17, 28; m. 61; c. 1. **ECONOMICS.** B.A., Nat. Chengchi Univ, 51; M.S., Illinois, Urbana, 55, Ph.D.(econ), 61. Dir. econ. res, Walter R. Kuehne & Co, Ill, 61-66; **ECONOMIST, REXALL DRUG & CHEM. CO.**, 66-, **ASST. DIR.**, 68- Statist. Assn; Operations Res. Soc. Am; Economet. Soc. Business and industry forecasting model constructions; market analysis and acquisition study; pricing and distribution analysis; profitability and investment analysis. Address: Rexall Drug & Chemical Co, 8480 Beverly Blvd, Los Angeles, Calif. 90054.

TSUKAHIRA, DR. TOSHIO G(EOURGE), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

TSURUMI, DR. HIROKI, b. Japan, Sept. 16, 37; m. 68. **ECONOMICS.** B.Comm, Hitotsubashi Univ, Japan, 61; M.A., Saskatchewan, 64; Ph.D.(econ), Pennsylvania, 67. **ASST. PROF. ECON, QUEEN'S (ONT)**, 67- Consult, UN Centre Develop. Planning, Projections & Policies, 66-67. Economet. Soc; Soc. Indust. & Appl. Math. Econometric estimation methods and model buildings. Publ: Co-auth, Autocorrelation in reduced form residuals and correction of simulation path of a dynamic model, *Econ. Studies Quart*, 12/67. Address: Dept. of Economics, Queen's University, Kingston, Ont, Can.

TU, PROF. NGO DINH, b. Quang Binh, Vietnam, Dec. 20, 32; m. 59; c. 1. **POLITICAL SCIENCE.** B.A., Hue, 55; B.A., American Univ, 60, M.A., 62; Harvard, 62-64. Asst. armed forces attaché, Vietnam Embassy in U.S., 57-58, spec. asst. to ambassador, 61-62, second secy, 65-66; instr. Vietnamese, Defense Lang. Inst, East Coast Br, 65; **ASSOC. PROF. POLIT. SCI, CLARION STATE COL**, 66- Vietnam Army, 53-58, Capt. Polit. Sci. Assn; Soc. Int. Law. Vietnam; comparative government; political development; international politics. Address: Dept. of Political Science, Clarion State College, Clarion, Pa. 16214.

TUAN, DR. YI-FU, b. Tientsin, China, Dec. 5, 30. **GEOGRAPHY.** B.A., Oxford, 51, M.A., 55; Ph.D., California, 57. Lectr. geog, Indiana, 56-57, instr, 57-58; fel. statist, Chicago, 58-59; asst. prof. GEOG, New Mexico, 59-64, **ASSOC. PROF.**, 64-65; **TORONTO**, 66- Guggenheim fel, 67-68. Asn. Am. Geog. Attitudes toward nature; geomorphology of arid lands; China. Address: Dept. of Geography, Smith Hall, University of Toronto, Toronto, Ont, Can.

TUASON, DR. ROMÁN V(IADO), JR., b. Manila, Philippines, Oct. 30, 32; m. 59; c. 5. **COMPUTER SCIENCE, MANAGERIAL ECONOMICS.** B.S., Philippines, 53, M.I.Mgt, 55; M.B.A., Harvard, 57; Ph.D.(mgt. sci), Northwestern, 65. Wage engr, Procter & Gamble Co, 53-54, chief job study engr, 54-55, asst. to chief indust. engr, 56; exec. asst. mkt, Richardson-Merrell, Inc, 57-58, sales promotion supvr, 58-59; prof. lectr. indust. mgt, Philippines, 59-62, lectr. mgt. sci. & mkt, Ateneo Grad. Sch. Econ, 62-63; mkt, Northwestern, 64-65; **ASSOC. PROF. MANAGERIAL ECON. & COMPUT. SCI, RENSSLAER POLYTECH**, 65-, **DIR. COMPUT. RES. GROUP, SCH. MGT**, 66- Supvr. mgt. adv. serv, Sycip, Gorres, Velayo & Co, 59-62; dir. indust. projs. develop. & eval, Prog. Implementation Agency, 62-63; lectr. mkt. & mgt. sci, Rensselaer-Hartford grad. center, 65-; prog. dir. seminar mgt. info. sysys, Rensselaer div. res, New York State Tech. Serv. Prog, 67. Asn. Comput. Mach; Instr. Mgt. Sci; Mkt. Assn. Computer methodology in management; managerial decision making; management planning/control

systems; information technology. Publ: Computer simulation for management decision making, *Rensselaer Rev*, 5/66; co-auth, Contrasting approaches to a firm's marketing system: computer simulation, *Am. Mkt. Assn*, 66; auth, Markad, a simulation approach to advertising management, *J. Advert. Res*, 3/68. Address: 114 Latham Ridge Rd, Latham, N.Y. 12110.

TUCK, DR. JAMES ALBERT, b. Toronto, Ont, Nov. 13, 22; m. 43; c. 2. **PSYCHOLOGY.** B.A., Toronto, 49, M.A., 50, Ph.D., 56. Lectr. psychol, Mt. Allison, 52-53, assoc. prof, 53-54, prof. & head dept, 55-63; **DIR. PSYCHOL, SERV, REHAB. FOUND**, 63- Psychologist, Sunnybrook Hosp, Toronto, 52-57, summers, sr. psychologist, 58-; spec. lectr, Toronto, 64- R.C.A.F., 41-45, Sgt. Can. Psychol. Assn. Clinical psychology, especially diagnostic procedures; diagnostic significance of human figure drawings; perception; systematic psychology. Publ: Wechsler verbal scale propensity in psychopathic patients, *Ont. Psychol. Assn. Quart*; Role-divided three-cornered therapy, *Psychiatry: J. Study Interpersonal Processes*. Address: 309 Chaplin Crescent, Toronto 7, Ont, Can.

TUCKER, PROF. A(LBERT) W(ILLIAM), Math, see 11th ed, Phys. & Biol. Vols.

TUCKER, DR. ANTHONY CARTER, b. Jackson, Mich, May 3, 02; m. 32. **PSYCHOLOGY.** A.B., Michigan, 24; M.A., Columbia, 37, Ph.D.(ed. res), 40. Supvr. res. & statist, World Book Co, N.Y., 40; spec. rep, U.S. Off. Ed, 40-42; aviation psychologist, U.S. Dept. Army & Air Force, 42-48; res. assoc, Stanford, 48-52; res. psychologist, Army Med. Serv. Grad. Sch, D.C., 52-54; chief res. div, Off. Armed Forces Info. & Ed, U.S. Dept. Defense, 54-55; consult, California, 55-56; assoc. prof. bus. admin, Denver, 56-67; **RETIRED.** Dipl, Am. Bd. Exam. Prfnl. Psychol. Fel. AAAS; fel. Psychol. Assn. Personnel and industrial psychology; use of interest scales in planning a medical career. Address: College of Business Administration, University of Denver, 1445 Cleveland Place, Denver, Colo. 80202.

TUCKER, DR. CHARLES O., b. Moscow, Idaho, Oct. 29, 32; m. 54; c. 3. **SPEECH, COMMUNICATIONS.** B.S., Southern Illinois, 54; M.A., Oklahoma, 58; Ph.D.(speech), Ohio State, 63. Instr. hist, high sch, 56-57; asst. speech, Oklahoma, 57-58; instr, Bradley, 58-61; res. asst, Ohio State, 61-63, asst. prof. small group commun, 63-65; **ASSOC. PROF. SPEECH COMMUN, NORTHERN ILLINOIS**, 65- Consult, Ill. democratic party, 64-65; group commun. consult, Ohio State Hosp. Food Serv, 64-65; Motorola Inc, 66; orgn. commun. consult, Ill. Div. Voc. Rehab, 66-67. U.S.A., 54-56. Speech. Assn. Am; Nat. Soc. Study Commun. Decision-making in small groups; predictors of juror verdicts in personal injury cases. Publ: An application of programmed learning to informative speech, *Speech Monogr*, 6/64; Forensics and behavioral science research in the study of law, *Am. Forensic Assn. J.*, 5/65; A design to measure juror attitudes, *Fedn. Ins. Coun. Quart*, winter 66. Address: Dept. of Speech, Northern Illinois University, DeKalb, Ill. 60115.

TUCKER, DR. CHARLES W., b. Flint, Mich, July 31, 37; m. 60; c. 2. **SOCIOLOGY.** B.A., Whittier Col, 60; M.A., Mich. State, 63, Ph.D.(sociol), 66. Instr. SOCIOL, Mich. State, 63-66; **ASST. PROF. SOUTH CAROLINA**, 66- U.S. Pub. Health Serv. traineeship alcoholism, 67. Sociol. Assn; Soc. Study Social Probs; Law & Society Assn. Behavioral social psychology; deviant behavior; law. Publ: Some methodological problem of Kohm's self theory, 66 & Occupational and work self identification: a reconsideration, 67, *Sociol. Quart*; A comparative analysis of subjective social class: 1945-1963, *Soc. Forces*, 68. Address: Dept. of Sociology, University of South Carolina, Columbia, S.C. 29208.

TUCKER, DR. GARY JAY, b. Cleveland, Ohio, Mar. 6, 34; m. 56; c. 3. **PSYCHIATRY.** A.B., Oberlin Col, 56; M.D., Western Reserve, 60. Fel. psychiat, sch. med, Yale, 61-64; staff psychiatrist, U.S. Naval Hosp, Pensacola, Fla, 64; flight surgeon, U.S. Naval Aerospace Med. Inst, 65, head psychiat. div, 65-67; **ASST. PROF. PSYCHIAT, SCH. MED, YALE**, 67-; **ASST. MED. DIR, PSYCHIAT. INPATIENT DIV, YALE-NEW HAVEN MED. CENTER**, 67- Consult, Norwich State Hosp, Conn, 67- Med.C, U.S.N.R., 64-67, Lt. Comdr. Asn. Hist. Med; Am. Med. Assn; Psychiat. Assn; Aerospace Med. Assn. Perception descriptive psychopathology. Publ: Behavior and symptoms of psychiatric patients and the electroencephalogram, *Arch. Gen. Psychiat*, 3/65; The significance of the suicidal gesture in the military, *Am. J. Psychiat*, 67; Psychomotor adaption to flight, *Aerospace Med*, 67. Address: Dept. of Psychiatry, Yale University School of Medicine, 333 Cedar St, New Haven, Conn. 06520.

TUCKER, PROF. JAMES F., Econ, Bus. Admin, see 10th ed, Soc. & Behav. Vols.

TUCKER, DR. JOSEPH A(LOYSIUS), JR., b. Wilmington, Del, May 28, 16; m. 47; c. 4. **PSYCHOLOGY.** Ph.D., Columbia, 50. Res. psychologist mil. psychol, Air Force Personnel & Training Res. Center, 49-57; mil. psychologist, Space Tech. Lab, 57-59, consult, 59-63; sr. assoc, Cresap, McCormick & Paget, 63-65, **PRES. ED. PERFORMANCE SYSTS, INC**, 65- Gen. mgr. info. & training serv, F.W. Dodge Co, McGraw-Hill, Inc, 65-66. U.S.A.A.F., 42-45, 1st Lt. AAAS; fel. Psychol. Assn; Ed. Res. Assn. Military and educational psychology. Address: 2 Redcoat Rd, Norwalk, Conn. 06850.

TUCKER, DR. LEDYARD R., b. Glenwood, Colo, Sept. 19, 10; m. 35; c. 2. **PSYCHOLOGY.** B.S., Colorado, 33; Ph.D.(psychol), Chicago, 46. Head dept. statist. anal, Col. Ent. Exam. Bd, N.J., 44-48; Ed. Test Serv, 48-52, res. assoc, 52-60; **PROF. PSYCHOL, ILLINOIS, URBANA**, 60. Vis. lectr, Princeton, 48-59. AAAS; Psychol. Assn; Psychomet. Soc; Statist. Assn. Factor analysis; mental test theory. Publ: Determination of parameters of a functional relation by factor analysis, 58, co-auth, An individual difference model for multi-dimensional scaling, 63 & auth, Some mathematical notes on three-mode factor analysis, 66, *Psychometrika*. Address: Dept. of Psychology, University of Illinois, Urbana, Ill. 61801.

TUCKER, PROF. RAYMOND KENNETH, Speech, Commun, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

TUCKER, PROF. ROBERT C(HARLES), b. Kansas City, Mo, May 29, 18; m. 46; c. 1. **POLITICAL SCIENCE.** B.A., Harvard, 39, M.A., 41, Ph.D.

- (philos), 58. Attache, U.S. Embassy, U.S.S.R., 44-53; consult, soc. sci. div, Rand Corp., 54-58; assoc. prof. govt, Indiana, 58-60, prof, 60-62; PROF. POLIT. & DIR. PROG. RUSSIAN STUDIES, PRINCETON, 62-, McCosh faculty fel, 68-69. Vis. prof, sch. adv. int. studies, Hopkins, 61-62; fel, Center Adv. Study Behav. Sci., 64-65; mem, Inst. Adv. Study, 68-69; summer vis. prof, Harvard, 59. Consult, soc. sci. div, Rand Corp., 58-68. Polit. Sci. Asn. (award, 66); Soc. Polit. & Legal Philos. Russian thought and politics; Marxism; comparative politics of authoritarian regimes and movements; political philosophy; international relations; study of Stalin and Russian Communism. Publ: The Soviet political mind, Praeger, 63; co-auth, The great Purge Trial, Grosset, 65; auth, The deradicalization of Marxist movements, Am. Polit. Sci. Rev., 6/67. Address: Dept. of Politics, Princeton University, Princeton, N.Y. 08540.
- TUCKER, DR. ROBERT D(e WITT), Finance, see 10th ed, Soc. & Behav. Vols.
- TUCKER, DR. ROBERT H(ENRY), Econ, see 10th ed, Soc. & Behav. Vols.
- TUCKER, PROF. WILLIAM P(ERCE), b. Walla Walla, Wash, Dec. 7, 10. POLITICAL SCIENCE. A.B. Col. Puget Sound; A.M. Washington (Seattle), 31, A.B. 33; California, 36; Ph.D. Minnesota, 45. State librarian, Wash, 37-41; prof. polit. sci. & dir. library, Macalester Col., 42-56; PROF. polit. sci., Puerto Rico, 56-67; GOVT, TEX. TECH. COL., 67- Vis. prof, various univs. Polit. Sci. Asn. American and Latin American government. Publ: Mexican government today; ed, Washington state government; Selected readings in American government. Address: Dept. of Government, Texas Technological College, Lubbock, Tex. 79410.
- TUCKER, PROF. WILLIAM R(AYBURN), b. Duncan, Okla, July 4, 23. POLITICAL SCIENCE. B.A. Oklahoma, 47, M.A. 48; Dr. es. sci. polit, Geneva, 50. Instr. govt, Oklahoma Baptist, 51-53; asst. prof. polit. sci., Louisville, 53-54; Delaware, 54-55; GOVT, LAMAR STATE COL. TECH., 55-58, assoc. prof, 59-62, PROF, 62- U.S.N.R., 43-46. Polit. Sci. Asn; Soc. Int. Law. International relations; modern political thought. Publ: Attitude of the British Labour Party toward European and collective security problems, 1920-1939, Institut Universitaire, 50; Fascism and individualism: the political thought of Pierre Drieu la Rochelle, J. Polit., 2/65, The new look of the extreme right in France, West. Polit. Quart., 3/68. Address: 2580 Gladys Ave, Beaumont, Tex. 77702.
- TUCKER, PROF. W(ILLIAM) T(HOMAS), b. Rushville, Ind, Jan. 26, 19; m. 42; c. 7. MARKETING, COMMUNICATIONS. A.B. DePauw, 41; M.S. Illinois, 50, Ph.D. 55. Instr. Eng. Illinois, 48-54; assoc. prof. MKT. Ga. State Col., 54-59; PROF, TEXAS, 59- Dir, Southeast. Res. Assocs., 56-59. U.S.M.C.R., 41-46, Maj. Mkt. Asn. Experimental aesthetics; consumer behavior; communications effect analysis. Publ: The social context of economic behavior, 64 & co-auth, Foundations for a theory of consumer behavior, 67, Holt; Personality and product use, J. Appl. Psychol. Address: Dept. of Marketing Administration, University of Texas, Austin, Tex. 78712.
- TUCKER, DR. WILLIAM V, b. Beatrice, Nebr, May 23, 34; m. c. 4. EDUCATIONAL PSYCHOLOGY, SPECIAL EDUCATION. A.B. St. Benedict's Col. (Kans.), 55; summers, Mt. St. Scholastica Col., 58 & William Jewell Col., 60; M.S. Kans. State Teachers Col., 61; fel, South Dakota, 66-67, Ed.D. (ed. psychol), 68. Teacher & counselor, high sch, Kans., 57-60; counselor voc. rehab, Kans. State Teachers Col., 60-61, res. dir. & instr. psychol., 61-63; instr. & counselor PSYCHOL, BRIAR CLIFF COL., 63-65, ASST. PROF, 65-Summer lectr, South Dakota, 67. Adj.Gen.C, U.S.A. Personnel & Guid. Asn; Rehab. Counseling Asn; Nat. Rehab. Asn. Counseling and work in special education. Publ: Rehabilitation and higher education, Rehab. Counseling Bull., 3/63; What teachers should know about physically disabled students, Guideposts, 4/63; Provisions for the physically handicapped in Catholic colleges, Nat. Cath. Guid. Conf. J., 65. Address: Dept. of Psychology, Briar Cliff College, Sioux City, Iowa 51104.
- TUCKMAN, DR. JACOB, b. New York, N.Y., Dec. 31, 08; m. 30; c. 1. PSYCHOLOGY. B.S.S. City Col. New York, 29; M.A. Columbia, 30, Ph.D. (psychol), 34. Psychologist, Pleasantville Sch., 30-35; case worker, Youth Serv., 35-39; unit supvr, Dept. Welfare, N.Y., 39-41; chief psychologist, Jewish Voc. Serv., Ohio, 41-45, exec. dir, Montreal, Que., 45-50; res. assoc, teachers col, Columbia, 50-54; res. consult, City Col. New York, 54-55; CHIEF PSYCHOL. SERVS, DIV. MENT. HEALTH, PHILA. DEPT. PUB. HEALTH, 55- Instr. Western Reserve, 44-45; lectr, Sir George Williams Col., 46-50; N.Y. Univ., 51-52; Yeshiva, 51-55; Queens Col., 54; Temple, 56-67; assoc. sch. med, Pennsylvania, 58-; instr. teachers col, Columbia, 61-65. Voc. consult, bur. hearings & appeals, Soc. Security Admin, 62- Dipl. Am. Bd. Exam. Prfl. Psychol. AAAS; Psychol. Asn; Geront. Soc; fel. Pub. Health Asn. Suicide; aging; community mental health; vocational counseling. Publ: The influence of varying amounts of punishment on mental connections; co-auth, Retirement and the industrial worker. Address: Dept. of Public Health, 500 S. Broad St, Philadelphia, Pa. 19146.
- TUDDENHAM, PROF. READ D(UNCAN), b. Salt Lake City, Utah, Sept. 4, 15; m. 43; c. 2. PSYCHOLOGY. B.A. Utah, 35; Thompson scholar, California, 35-37, Ph.D. (clin. psychol), 41. Res. assoc, inst. child welfare, California, Berkeley, 41-43; technician, personnel res. sect, Adj. Gen. Off., N.Y., 44-45; study dir, TV Audience Res. Inst, Columbia Broadcasting Syst, 45-46; asst. prof. PSYCHOL, CALIFORNIA, BERKELEY, 46-51, assoc. prof, 51-59, PROF, 59-, res. assoc, Inst. Child Welfare, 46- Consult, Vet. Admin, 49-; U.S. Army, 54- Mem. psychol. exam. cmt, Calif. State Bd. Med. Exam, 66, Dipl. Am. Bd. Exam. Prfl. Psychol. Fel. Psychol. Asn; fel. Soc. Res. Child Develop. Clinical psychology; experimental social psychology; psychometry. Publ: Studies in reputation, Psychol. Monogr; Studies in conformity, J. Psychol; co-auth, Physical growth of California boys and girls from birth to eighteen years, Univ. Calif. Pub. Child Develop. Address: Dept. of Psychology, University of California, Berkeley, Calif. 94720.
- TUDEN, DR. ARTHUR, b. Wilmington, Mass, Sept. 2, 27; m. 58; c. 3. CULTURAL ANTHROPOLOGY. B.A. Yale, 51; London Sch. Econ, 52-53; sch. adv. int. studies, Hopkins, 55-58, Ford Found. fels, 57-58; Ph.D. (anthrop), Northwestern, 62. Instr. ANTHROP, Princeton, 56-57; asst. prof, PITTS-
- BURGH, 58-64, ASSOC. PROF, 64- Mem, Rhodes-Livingstone Inst, 57. U.S.N.R., 43-45. Fel. Anthropol. Asn; fel, African Studies Asn. Classification of political systems; analysis of political change; culture change; social stratification. Publ: Political anthropology, Aldine, 67; Ila slavery; Comparative study of decision making. Address: Dept. of Anthropology, University of Pittsburgh, Pittsburgh, Pa. 15213.
- TUDOR, PROF. WILLIAM J(AMES), Sociol, see 10th ed, Soc. & Behav. Vols.
- TUETING, PROF. ROBERT C(HARLES), b. Cincinnati, Ohio, Jan. 9, 18; m. 57; c. 1. FINANCE, BUSINESS MANAGEMENT. B.S. Ohio State, 46; M.A. Cincinnati, 52. Asst. prof. BUS, Augustana Col., 54-56; assoc. prof. Ill. Wesleyan, 56-57; ASST. PROF, COLORADO STATE, 57- Ford Found. faculty res. seminar, 61. Evaluation of the small business investment company. Address: Dept. of Business, Colorado State University, Ft. Collins, Colo. 80521.
- TUGWELL, DR. R(EXFORD) G(UY), b. Sinclairville, N.Y., July 10, 91. ECONOMICS, POLITICAL SCIENCE. B.S. Pennsylvania, 15, A.M. 16, Ph.D. 22; D.Litt, New Mexico, 33; LL.D. Puerto Rico, 53. Instr. econ, Pennsylvania, 15-17; asst. prof, Washington (Seattle), 17-18; mgr, Am. Univ. Union, Europe, 18; instr. econ. Columbia, 20-22, asst. prof, 22-26, assoc. prof, 26-31, prof, 31-37; chmn. & cmnr, City Planning Cmn. & dept. city planning, New York, 38-41; chancellor, Puerto Rico, 41; Gov. P.R., 41-46; from prof. to EMER. PROF. POLIT. SCI., CHICAGO, 46- Vis. prof, London Sch. Econ, 49-50. Consult, Inst. Caribbean Studies, Puerto Rico, 61-64; Southern Illinois, 65-66. Asst. secy, U.S. Dept. Agr., 33, under secy, 34-37; adminstr, Resettlement Admin, 35-37; sr. fel, Center Study Democratic Insts, 66- Philosophy of central planning; American government, especially the Presidency; the Caribbean. Address: 525 Hot Springs Rd, Santa Barbara, Calif. 93103.
- TUKEY, PROF. JOHN W(ILDER), Statist, see 11th ed, Phys. & Biol. Vols.
- TULASIEWICZ, PROF. JAN BRUNO, b. Stanislawow, Poland, May 16, 10; U.S. citizen; m. 36; c. 1. ECONOMICS. M.A. Univ. Jana Kazimierza, Poland, 31, Jr. Dec, 34; M.B.A. Univ. For. Trade, 31; Ph.D. (econ), Michigan, 53. PROF. ECON, NORTHERN IOWA, 56- Consult, Republic Steel Corp, 52; Edison Co, Detroit, 54. Econ. Asn. Comparative economic systems. Publ: Man in society, Brown Co, 64. Address: Dept. of Economics, University of Northern Iowa, Cedar Falls, Iowa 50613.
- TULCHIN, SIMON H(ARRY), b. Odessa, Russia, Sept. 25, 98; nat; m. 21. CLINICAL PSYCHOLOGY. Ph.B. Chicago, 20, Berlin, 22; Columbia, 27-30. Psychologist, Ill. Inst. Juvenile Res, 20-27; Inst. Child Guid, N.Y., 27-33; chief psychologist, BROOKLYN PSYCHIAT. CENTERS, 35-65, PSYCHOL. CONSULT. & DIR. ED. THER, 66- Private consult, 33- Lectr, State Univ. N.Y., 35-37; sch. soc. work, Smith Col., 40-45; N.Y. Sch. Soc. Work, Columbia, 44-56. Mem. Nat. Cmt. Ment. Hyg; adv. cmt. res. relating to children, Children's Bur, Dept. Health, Ed. & Welfare, 57- Fel. Psychol. Asn; fel. Orthopsychiat. Asn. (v. pres, 42; treas, 50-52; pres, 54-55). Genetic psychology; educational disabilities; mental tests. Publ: Intelligence and crime, Univ. Chicago, 39; Contribution of orthopsychiatry to clinical psychology, J. Orthopsychiat; ed, Child guidance, Lawson G. Lowrey memorial volume, Am. Orthopsychiat. Asn, 64. Address: 30 E. 60th St, New York, N.Y. 10022.
- TULL, DR. DONALD STANLEY, b. Cross Timbers, Mo, Oct. 28, 24; m. 48. MARKETING. S.B. Chicago, 48, M.B.A., 49, fel, 52-54, Ph.D. 56. Analyst commercial res, U.S. Steel Corp, 49-50; instr. mkt, Washington (Seattle), 50-52; analyst, autometrics div, N.Am. Aviation, Inc., 54-57, chief mkt. anal, 57-59, mgr. admin, indust. prod, 59-61; prof. mkt, Calif. State Col. Fullerton, 61-66, dean sch. bus. & econ, 66-67; HEAD DEPT. MKT. INS. & TRANSPORTATION, OREGON, 67- Partner, mkt. res. & consult. firm, 61- U.S.N.R., 43-46, Lt. (jg). Econ. Asn; Mkt. Asn; Statist. Asn; Opers. Res. Soc. Chemistry; marketing decision theory; investment effect of advertising; managerial risk preferences. Publ: Co-auth, Research for marketing decision, Prentice-Hall, 66; Covariance analysis in marketing experimentation, J. Advert. Res., 6/66; auth, The relationship of predicted to actual sales and profits of new product introductions, J. Bus., 7/67. Address: 2610 Polk St, Eugene, Ore. 97405.
- TULLOCK, PROF. GORDON, b. Rockford, Ill, Feb. 13, 22. ECONOMICS, POLITICAL SCIENCE. D.J. Chicago, 47; Cornell, 50; Yale, 51-52. For. serv. officer polit, U.S. Dept. State, 47-56; assoc. prof, int. studies, South Carolina, 59-60; PROF, Virginia, 61-67; ECON. & POLIT. SCI, RICE, 67- Fel, Thomas Jefferson Center Polit. Econ. & Soc. Philos, Virginia, 58-59. U.S.A., 43-45. AAAS; Econ. Asn; Inst. Aeronaut. & Astronaut. Application of economic methods to non-economic fields. Publ: Co-auth, Calculus of consent; auth, The organization of inquiry, Duke, 66; Toward a mathematics of politics, Univ. Michigan, 67. Address: Dept. of Economics & Business Administration, Rice University, 402 Lovett Hall, Houston, Tex. 77001.
- TULVING, PROF. ENDEL, b. Estonia, May 26, 27; Can. citizen; m. 50; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Toronto, 53, M.A., 54; Ph.D. (psychol), Harvard, 57. Lectr. PSYCHOL, TORONTO, 56-59, asst. prof, 59-62, assoc. prof, 62-65, PROF, 65- Vis. scholar, California, Berkeley & Nat. Res. Coun. Can. sr. res. fel, 64-65. Consult. ed, J. Exp. Psychol, 66- Psychol. Asn; Psychonomic Soc. Organizational processes in human memory; storage and retrieval of mnemonic information. Publ: Subjective organization in free recall, 62 & Intratril and intertril retention, 64, Psychol. Rev; co-auth, Availability versus accessibility of information in memory for words, J. Verbal Learning & Verbal Behav, 66. Address: Dept. of Psychology, University of Toronto, Toronto 5, Ont, Can.
- TUMA, DR. A(BDUL) HUSSAIN, b. Karbala, Iraq, Nov. 22, 23; U.S. citizen; m. 57; c. 4. PSYCHOLOGY. B.A. Higher Teacher's Col, Iraq, 45; M.A., California, Berkeley, 52; Ph.D. Maryland, 55. Res. asst. counsr. psychol, Maryland, 52-54; sr. counseling psychologist, student counseling center, California, Los Angeles, 54-55; assoc. prof. psychol. & asst. dean, Baghdad, Iraq, 55-59; proj. coordinator, schizophrenia res. proj, Camarillo State Hosp, Calif, 59-65; scientist-adminstr, NAT. INST. MENT. HEALTH, 65-66,

CHIEF CLIN. PROJS. SECT. 66-, ASST. CHIEF CLIN. RES. BR. 67- Res. assoc. Am. Psychiat. Assn. 56-58. Psychol. Assn; Col. Neuropsychopharmacol. Psychotherapy; schizophrenia, its etiology, course and treatment; science administration. Publ: Co-auth. A historical perspective of research into the comparative outcome of treatment in schizophrenia. In: Treatment of schizophrenia, Sci. House, 68; co-auth. The effect of therapist attitude on outcome of drug treatment and other therapies in schizophrenia. In: Psychotropic drug response—advances in prediction, C.C. Thomas, 68. Address: 14832 Lake Terr, Rockville, Md. 20853.

TUMBUSCH, JAMES J (JOSEPH), b. Dayton, Ohio, July 8, 29; m. 53; c. 2. MATHEMATICAL STATISTICS. B.S. Dayton, 52; M.S. Purdue, 54. Statistician, U.S. Pub. Health Serv. 54-56; statistical analyst, Gen. Elec. Co. 56-60; statistician, PROCTER & GAMBLE Co. 60-66, SECT. HEAD, OPERS. RES. SERV. 66- Statist. Assn. Address: 5777 Whitechapel Dr, Cincinnati, Ohio 45236.

TUMIN, PROF. MELVIN M, b. Newark, N.J., Feb. 10, 19; m. 48; c. 2. SOCIOLOGY, ANTHROPOLOGY. B.A., Wisconsin, 39, M.A., 40; Ph.D. (sociol., anthrop.), Northwestern, 44. Mem. faculty, dept. sociol. & anthrop., Wayne State, 44-47; assoc. prof. SOCIOLOG. & ANTHROP. PRINCETON, 47-62, PROF. 62- Soc. Sci. Res. Comm. fel. 42-43; vis. prof., teachers col., Columbia, 62-; U.S. Off. Ed. res. grant, 66-68; acting dir. Greenfield Center Human Rel., Pennsylvania, 66-; Fulbright sr. lectr., Italy, summer 67. Consult., Agency Int. Develop. 63-; U.S. Off. Ed. Dept. Health, Ed. & Welfare, 64- Res. dir., Mayor's Cmn. Race Rel., Detroit, 45-46. Sociol. Assn; Soc. Study Social Probs. (pres. 66-67). Social stratification; intergroup relations; sociology of education. Publ: Social class and social change in Puerto Rico; co-auth. Quality and equality in education, U.S. Off. Ed. 66; auth. Social stratification, Prentice-Hall, 67. Address: Dept. of Sociology, Green Hall, Princeton University, Princeton, N.J. 08540.

TUNG, DR. THEODORE H, b. Peiking, China, Aug. 28, 34; m. 66. ECONOMIC. B.A., Taiwan, 56; hon. fel. Chinese Res. Inst. Land Econ. 56-57; M.B.A., Oklahoma, 60; Ph.D. (regional & quant. econ.), Pennsylvania, 64. ASST. PROF. economet. & regional anal., Colorado State, 64-66; REGIONAL & QUANT. ECON. WHARTON SCH., PENNSYLVANIA, 66- Vis. lectr., Colorado, 65. Consult. economet., CONSAD Res. Corp., 67; Res. & Develop. Corp., 67. Econ. Assn; Agr. Econ. Assn; Regional Sci. Assn. Regional and quantitative economics; quantitative models constructions, applications, and solutions in the field of economics and business, especially input-output models, linear programming models and their applications. Publ: Optimal spatial patterns of production and decisions making, Paper & Proc. Regional Sci. Assn, 11/64; An optimal location pattern of processing plants: a case study, West. Farm Econ. Assn, 8/66; A location programming model of Colorado dairy industry, Tech. Bull., fall 66. Address: 10 Parkview Rd, Stratford, N.J. 08084.

TUNG, DR. TZE HSIUNG, b. Peking, China, Aug. 28, 34; m. 66. REGIONAL ECONOMICS. B.A., Taiwan, 56; M.B.A., Oklahoma, 62; univ. scholar, Regional Sci. fel. & Ph.D. (regional econ.), Pennsylvania, 64. Asst. prof. econ., Colorado State, 64-66; ASST. PROF. REGIONAL SCI., PENNSYLVANIA, 66- Vis. lectr., Colorado, 65; regional res. proj. leader, U.S. Dept. Agr., 65-66; res. assoc., Regional Sci. Res. Inst., Phila., Pa. 66- Consult., Richard Howes & Assocs., D.C. 66-67; Consad Res. Corp., N.Y. 67- Econ. Assn; Economet. Soc.; Regional Sci. Assn. Quantitative models constructions, applications and solutions in economics and business. Publ: Optimal spatial patterns of production and decisions making, Paper & Proc. Regional Sci. Assn, 11/64; A model of optimal decision rules for multi-goal organizations, Rocky Mt. Soc. Sci. Assn, 5/66; A location programming model of Colorado dairy industry, Agr. Exp. Sta., Colorado State Univ., 8/67. Address: Dept. of Regional Science, University of Pennsylvania, Philadelphia, Pa. 19104.

TUNG, PROF. WILLIAM L (ING), b. Shanghai, China, Sept. 29, 07; nat; m. 32. POLITICAL SCIENCE. B.A., Fuh Tai Univ., Shanghai, 28; M.A., Illinois, 37, fel. 37-39, Ph.D. 39. From lectr. to prof. govt. & pub. law, Northwestern, 28-30; chmn., Munic. Coun., Peiping, 33-34; res. fel., Yale, 39-40; prof., Hanchow Univ., 40-42; counsr., Supreme Nat. Defense Coun., China, 42-43; secy-gen., Chinese Ministry Info., 43-44, mem., Legis. Yuan, 43-45; Chinese ambassador, Netherlands & counsr. & adv. to For. Minister, China, 45-47, dir. Dept. Am. Affairs, Ministry For Affairs, 47-49, v. minister, 49-50; pres., Chester Supply Corp., N.Y., 50-57; prof. POLIT. SCI. & chmn. dept., St. John's 57-62; PROF., QUEENS COL. (N.Y.), 62- Acting pres., W. China Indust. & Commercial Col., Chungking, 42-43; prof., Fuh Tai Univ., Shanghai, 45-47. V. pres., China Trade & Indust. Serv., Inc., 50-51. V. chmn., Charter Revision Cmt., Queens, N.Y., 60-61. Am. Soc. Int. Law; Am. Polit. Sci. Assn; Int. Polit. Sci. Assn; China Law Soc. Publ: The government of China, Vols. I & II, Chinese ed., 41; The political institutions of modern China, 64; International law in an organized world, 68. Address: Dept. of Political Science, Queens College, Flushing, N.Y. 11367.

TUOHY, DR. WILLIAM S, b. Jamestown, N.Y., June 17, 38. POLITICAL SCIENCE, COMPARATIVE POLITICS. A.B., Cornell, 61; Columbia-Cornell-Harvard summer grant, Peru, 61; univ. fel. & M.A., Stanford, 63, grant, 66, Ph.D. (polit. sci.), 67. ASST. PROF. POLIT. SCI., CALIFORNIA, DAVIS, 67- Vis. asst. prof., Stanford, summer 68; California Summer Faculty fel., 68. Polit. Sci. Assn. Latin American politics; politics in underdeveloped countries; political culture; community politics. Address: Dept. of Political Science, University of California, Davis, Calif. 95616.

TUPES, DR. ERNEST C (OOK), b. Chicago, Ill., Oct. 5, 15; m. 41; c. 2. PSYCHOLOGY. B.A., Missouri, 41; Ph.D. (psychol.), Michigan, 49. RES. PSYCHOLOGIST, PERSONNEL & TRAINING RES. CENTER, U.S. DEPT. AIR FORCE, 49- U.S.A., 43-46. AAAS; Psychol. Assn. Selection and classification; tests and measurements; attitude theory and measurement. Publ: Military attitude as a predictor of air success; Validity of the aviation cadet-officer candidate qualifying test for prediction of success in U.S. Air Force Officer Candidate School; Prediction motivation for flying training among senior Air Force Reserve Officers' Training Corps Cadets. Address: 234 Montpelier St, San Antonio, Tex. 78228.

TUPPER, G (ERALD) E (MERSON), Bus. Admin, see 10th ed, Soc. & Behav. Vols.

TURBAN, DR. EFRAIM, b. Tel-Aviv, Israel, Oct. 5, 30; m. 59; c. 1. MANAGEMENT SCIENCE. B.Sc., Israel Inst. Tech., 53, dipl. eng., 54; M.B.A., California, Berkeley, 62, Ph.D. (bus. admin), 66. Indust. engr., Israeli Navy, 54-57; head indust. serv. dept., Israeli Inst. Productivity, 59-61; method analyst, Gen. Elec. Co., 62-64; teaching asst. prod. mgt., California, Berkeley, 65-66; ASSOC. PROF. MGT. SCI., LEHIGH, 66- Instr. & Ford Found. res. grant, California, Berkeley, summer 66. Inst. Mgt. Sci. Application of mathematical models and computers in management; production and maintenance management; organization theory. Publ: Co-auth. Applied programming in business and economics, Holt, 69; auth. The pulse beat of maintenance today, Factory, 6/66; The use of mathematical models in plant maintenance decision making, Mgt. Sci., 2/67. Address: Dept. of Management Science, Lehigh University, Bethlehem, Pa. 18015.

TURBEVILLE, DR. GUS, b. Turbeville, S.C., Jan. 20, 23; m. 50; c. 3. SOCIOLOGY. B.A., Vanderbilt, 44; M.A., La. State, 46; Ph.D. Mich. State, 48. Head dept. sociol., Minnesota, Duluth, 48-53; pres., Northland Col., 53-61; Hurkos Found., 61-62; PROF. SOCIOLOG. & CHMN. DEPT., WIS. STATE, SUPERIOR, 62- U.S.A., 43. AAAS; Sociol. Assn. Social psychology; criminology; minority group relations. Publ: Co-auth. Social problems; auth. Negro population in Duluth, Minnesota, 1950. Sociol. & Soc. Res; co-auth. Effect of residential propinquity on marriage selection, Am. J. Sociol. Address: Dept. of Sociology & Anthropology, Wisconsin State University, Superior, Wis. 54880.

TURBINER, DR. MILTON, b. New York, N.Y., Mar. 22, 24; m. 49; c. 3. PSYCHOLOGY. A.B., Duke, 47; M.S., Boston, 49, Ph.D. (psychol.), 55. Psychiat. case worker, Jewish Family & Children's Serv., Milwaukee, Wis., 49-51; trainee psychol., Vet. Admin. Hosp., Bedford, Mass., 53-55, Boston, 55; admin. dir., Huntington Twp. Ment. Health Clin., Inc., 58-66; CONSULT. PSYCHOLOGIST, 66- Counseling psychologist, Vet. Admin. Hosp., Northport, 55- Consult., Village Haven, Inc., 67. U.S.A., 43-45. AAAS; Psychol. Assn. Relationship of perception and inferred motivational features to productivity. Publ: Visual discrimination of affective stimuli among schizophrenic and normal subjects. Address: P. O. Box 22, Centerport, N.Y. 11721.

TURCK, PRES. CHARLES J (JOSEPH), b. New Orleans, La., Sept. 13, 90. POLITICAL SCIENCE, LAW. A.B., Tulane, 11, LL.D., 35; A.M., Columbia, 12, LL.B., 13; LL.D., Ky. Wesleyan Col., 28, Cumberland, 30, Waynesburg Col., 49, Hastings Col., 50; D. Litt., Huron Col., 47. Prof. law, Tulane, 18-20; Vanderbilt, 20-24; dean col. law, Kentucky, 24-27; pres., Centre Col., 27-36; dir. dept. soc. ed., Presbyterian Church in U.S., 36-39; pres., Macalester Col., 39-58; ed. consult., various Protestant & pub. orgn., 58-66; PRES., M.J. LEWIS COL. PODIATRY, 67- Ed. Soc. Prog., 36-39. U.S.A., 43-44, Maj. Acad. Polit. & Soc. Sci. Publ: Life of John McDowell; ed. Anson on contracts. Address: 11 Riverside Dr., Apt. T11, New York, N.Y. 10023.

TURE, NORMAN B (ERNARD), b. Cleveland, Ohio, Sept. 8, 23; m. 45; c. 4. ECONOMICS. M.A., Chicago, 47. Asst. prof. econ., Ill. Col., 47-50; fiscal economist, State Hy. Fiscal Study, Ohio, 50-51; anal. staff, tax div., U.S. Dept. Treas., 51-55; economist, sub-cmt. tax policy, joint econ. cmt., U.S. Cong., 55-61; DIR. TAX STUDIES, NAT. BUR. ECON. RES., INC., 61- U.S.A., 43-44. Econ. Assn. Federal taxation and fiscal policy; monetary theory and policy; economic theory. Publ: The federal revenue system: facts and problems, Joint Econ. Cmt., Joint Cmt. Print, 87th Cong., 1st Session, 61; Accelerated depreciation in the United States, 1954-60, Columbia, 67; Fiscal policy, In: Staff report on employment, growth, and price levels, Joint Econ. Cmt., Joint Cmt. Print, 88th Cong., 1st Session, 59. Address: National Bureau of Economic Research, Inc., 1755 Massachusetts Ave. N.W., Suite 314, Washington, D.C. 20036.

TUREEN, DR. JACK, Speech, see 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.

TURGEON, DR. LYNN, b. Mitchell, S. Dak., Aug. 26, 20; m. 50; c. 1. ECONOMICS. A.B., California, 42, M.A., 48; Ford Found. fel., Columbia, 55-56, Ph.D., 59. Asst. prof. ECON. HOFSTRA, 57-63, ASSOC. PROF. 63- Econ. consult., Rand Corp., 50-55, 58- U.S.N., 43-46, Lt. Soviet price system; comparisons of levels of living in the United States and the Union of Soviet Socialist Republics. Publ: The contrasting economics, Allyn & Bacon, 63; Cost-price relationships in basic industries during the planning era, Soviet Studies; Levels of living, wages and prices in the Soviet and United States economies, In: Essays on the Soviet economy. Address: Dept. of Economics, Hofstra University, Hempstead, N.Y. 11550.

TURHOLLOW, PROF. ANTHONY F (RANCIS), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

TURK, DR. AUSTIN THEODORE, b. Gainesville, Ga., May 28, 34; m. 57; c. 2. SOCIOLOGY. B.A., Georgia, 56; M.A., Kentucky, 59; Nat. Inst. Ment. Health fel., Wisconsin, 60-61, Ph.D. (sociol.), 62. Acting instr. SOCIOLOG., Wisconsin, 61-62; instr., INDIANA, 62-64, asst. prof., 64-66, ASSOC. PROF. 66- Sociol. Assn; Law & Society Assn; Soc. Criminol. Deviance; sociology of law; social conflict; theoretical sociology. Address: Dept. of Sociology, Indiana University, Bloomington, Ind. 47401.

TURK, PROF. HERMAN, b. New York, N.Y., May 29, 24; m. 59. SOCIOLOGY. B.S., Nebraska, 47; M.A., Columbia, 52; Ph.D. (sociol.), American Univ., 59. Asst. sociol. bur. appl. soc. res., Columbia, 50-52; from asst. to res. scientist, HumRRO, George Washington, 52-56; private contractor, 56-57; soc. sci. analyst, lab. socio-environ. studies, Nat. Inst. Ment. Health, 57-58; asst. prof. sociol. & res. assoc., Duke, 58-62; assoc. prof. sociol. & dir. bur. sociol. res., Nebraska, 63-66; PROF. SOCIOLOG. & DIR. LAB. ORGN. RES., SOUTHERN CALIFORNIA, 68- Prin. investr., Nat. Insts. Health res. grant, 58-62; Ford Found. res. grant, 60-62; interorgn. rela. in poverty prog., U.S. Dept. Labor, 66-67. Consult., HumRRO, George Washington, 56-58; West. Elec. Training Inst., Duke, 59-61; commun. disease center, U.S. Pub. Health Serv., 64; pop. res. lab., Southern California, 66-, inst. urban ecol., 67- Ed. Sociol. Inquiry, 64-67. Fel. Sociol. Assn; Asn. Pub. Opinion

- Res. Sociological theory; organizational research; small group structure. Publ: Clinic nursing: explorations in role innovation, Davis, 63; co-auth, Institutions and social exchange, Bobbs, 68; Authority and interaction, Sociometry, 3/64. Address: Dept. of Sociology & Anthropology, University of Southern California, Los Angeles, Calif. 90007.
- TURK, PROF. JESSIE R(OSE)**, b. Newark, N.J., June 27, 20. GEOGRAPHY. B.A., N.J. State Teachers Col., Montclair, 42; A.M., Oberlin Col., 47; Ed.D., Columbia, 64. Asst. GEOG., Oberlin Col., 42-44; instr., Montclair State Col., 47-49; from asst. prof. to PROF., TRENTON STATE COL., 49- Asn. Am. Geog.; Am. Geog. Soc.; Nat. Coun. Geog. Ed. Regional geography of Latin America; political and educational geography. Address: Dept. of Geography, Trenton State College, Trenton, N.J. 08625.
- TURKES, W(ALTER) R(OBERT)**, b. Munhall, Pa., May 27, 12; m. 38; c. 2. INDUSTRIAL ENGINEERING. B.S., Pittsburgh, 34, M.S., 39. Engr., Talon, Inc., Pa., 34-37; instr. eng., Pittsburgh, 37-39; div. engr., U.S. Steel Corp., Pa., 39-42; assoc. prof. ind. eng. & acting head dept., PITTSBURGH, 42-44, prof. & head dept., 44-65, dir., Army Spec. Training Prog., 44-45, grad. work ind. eng., 52-60, asst. dean schs. eng. & mines, 58-63, acting dean, 63-65, ASSOC. DEAN ENG., 65- Ind. eng. consult., 42- Lectr., vis. engr. prog., Am. Soc. Eng. Ed., 62- Mem. ind. eng. inspection cmt., Eng. Coun. Prfl. Develop., 55-58, curriculum evaluator, 65-; mem. task force establish ind. eng. grades & classification, U.S. Civil Serv. Cmn., 62-63. Soc. Eng. Ed.; Inst. Ind. Eng. Computerized scheduling of classes, students and facilities in educational institutions; information storage and retrieval and technology transfer; engineering educational administration. Publ: Material handling section, In: Industrial engineering handbook, McGraw, 63; co-auth, Optimal scheduling in educational institutions, Coop. Res. Proj. Number 1323, Dept. Health, Ed. & Welfare, 64; auth, Engineering at the University of Pittsburgh, Pa. Prfl. Engr., 3-4/67. Address: 149 Lawrence Ave., Munhall, Pa. 15120.
- TURNAGE, DR. THOMAS W(AYNE)**, b. Covington, Tenn., Sept. 16, 33; m. 62; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A., California, 58, Nat. Inst. Ment. Health fel., 61, Ph.D.(psychol), 62. Asst. prof. PSYCHOL., Alameda State Col., 62; MARYLAND, 62-66, ASSOC. PROF. & ASST. CHMN. DEPT., 66- U.S.N., 51-54. AAAS; Psychol. Asn. Learning and forgetting, especially in humans. Address: Dept. of Psychology, University of Maryland, College Park, Md. 20740.
- TURNBULL, PROF. JOHN G(UDERT)**, b. Milwaukee, Wis., Nov. 14, 13; m. 43; c. 3. ECONOMICS, INDUSTRIAL RELATIONS. A.B., Denison, 38; fel., Mass. Inst. Tech., 42-43, Ph.D.(ind. econ), 47. Mem. res. staff, Soc. Sci. Res. Coun., 47-49; assoc. prof. ECON., MINNESOTA, MINNEAPOLIS, 49-54, PROF., 54- ASSOC. DEAN COL. LIB. ARTS, 64- Vis. prof., Mass. Inst. Tech., 55-56; Iowa State, 60-; California, Berkeley, 63- Ford Found. faculty fel., 62-63. Mem. Univ. Minnesota res. team econ. probs. integration, Europe, 66-67. U.S.N.R., 43-46, Lt. Econ. Asn.; Ind. Rel. Res. Asn. Economics of labor; economic security. Publ: Sr. auth, Economic and social security, 3rd ed., 67; auth, The changing faces of economic insecurity, Univ. Minnesota, 66; co-auth, Handbook of personnel administration and labor relations. Address: 2292 Folwell St., St. Paul, Minn. 55108.
- TURNBULL, DR. JOHN W(ILSON)**, Psychol., see 10th ed, Soc. & Behav. Vols.
- TURNBULL, DR. WILLIAM W(ATSON)**, b. St. Thomas, Ont., Dec. 26, 19; nat; m. 44; c. 1. PSYCHOLOGY. B.A., Western Ontario, 42; A.M., Princeton, 43, Walker fel., Ph.D.(psychol), 44. Test construct. assoc. Col. Entrance Exam. Bd., N.J., 43-44, head test construct. dept., 44-48; dir. test construct. & res. ED. TESTING SERV., 48-49, v-pres. test develop. anal. & res., 49-53, TESTING OPERS, 53-56, EXEC. V.PRES., 56- AAAS; Am. Psychol. Asn.; Psycho-met. Soc.; Ed. Res. Asn.; Personnel & Guid. Asn.; Nat. Coun. Measurement in Ed.; Int. Coun. Psychol. Design and construction of mental tests; techniques in educational and psychological measurements. Publ: Testing for guidance and selection, Phi Delta Kappan, Vol. XLIV, 8: 372-78, 5/63; Goals and results in education, Proc. Int. Conf. World Crisis in Ed., 10/67; Relevance in testing, Meeting, Cmn. on Tests, 10/67. Address: Educational Testing Service, Princeton, N.J. 08540.
- TURNER, PROF. ADELE, b. Brewster, Wash., Dec. 9, 16; m. 35; c. 1. SOCIOLOGY. B.A. Ed., Cent. Wash. Col., 52; M.A., Missouri, 54. Prof. sociol., Col. Ozarks, 60-62; assoc. prof. sociol. & psychol., South. State Col., 62-64; SOCIOL. NORTHEAST STATE COL., 64-68, PROF., 68- U.S.C.G.R., 43-45, Ens. Sociol. Asn. Nat. Coun. Family Rel.; Soc. Sci. Study Relig.; Acad. Polit. & Soc. Sci. Family; social psychology. Address: Dept. of Sociology, Northeastern State College, Tahlequah, Okla. 74464.**
- TURNER, DR. A(LFRED) JACK**, b. Birmingham, Ala., Jan. 19, 32; m. 54; c. 3. CLINICAL PSYCHOLOGY. B.S., Auburn, 54; Emory, 54-55; Ph.D.(psychol), Fla. State, 62. Clin. psychologist, Madison County Ment. Health Clin., Huntsville Ala., 62, dir., 62-64; asst. prof. PSYCHOL., AUBURN, 64-67, ASSOC. PROF., 67-, summer res. grant, 67. Danforth fel., 67- Consult., George C. Marshall Space Flight Center, Huntsville, Ala., 63-; John A. Andrews Mem. Hosp., 64-; Vet. Admin. Hosp., Tuskegee, 64- U.S.A., 54-56. Psychol. Asn.; Asn. Adv. Behav. Sci. Learning and learning theory; behavioral modification, especially in children. Publ: Co-auth, Effectiveness of praise and blame as a function of intelligence, 62 & Word familiarity as a factor in perceptual defense research, 67, Perceptual & Motor Skills; auth, Preparing staff for attitude therapy, Hosp. & Community Psychiat., 11/67. Address: Dept. of Psychology, Auburn University, Auburn, Ala. 36830.
- TURNER, PROF. ARTHUR C(AMPBELL)**, b. Glasgow, Scotland, May 19, 18; U.S. citizen; m. 50; c. 1. POLITICAL SCIENCE. M.A., Glasgow, 41; B.A., Oxford, 43, M.A., 47, B.Litt., 48; Commonwealth Fund fel., California, 48-50, Ph.D.(hist), 51. Spec. lectr., hist., Toronto, 51-52, asst. prof., 52-53; assoc. prof. POLIT. SCI., CALIFORNIA, RIVERSIDE, 53-58, PROF., 58-, chmn. div. soc. sci., 53-61, assoc. dean grad. div., 60-61, acting dean, 61, chmn. dept. polit. sci., 61-66. Rockefeller res. grant, St. John's Col., Cambridge, 59-60. Am. Polit. Sci. Asn.; Am. Hist. Asn.; Royal Hist. Soc. International relations; British Commonwealth. Publ: Mr. Buchan, writer: a life of the first Lord
- Tweedsmuir, S.C.M. Press, London, 49; Bulwark of the West: implications and problems of NATO, Ryerson Press, Toronto, 53; Tension areas in world affairs, Wadsworth, 64. Address: 1992 Rincon Ave., Riverside, Calif. 92506.
- TURNER, DR. CORBETT HAROLD**, b. St. Louis, Mo., Sept. 10, 28; m. 62; c. 4. PSYCHIATRY, PEDIATRICS. B.A., Cornell, 50, M.D., 54. Chief pediat. U.S. Army Hosp., Ft. Jay, 55-56, Tokyo, 56-57; instr. sch. med. Duke, 59-63, psychiat., 62-63; asst. prof. CHILD PSYCHIAT., SCH. MED., EMORY, 63-67, ASSOC. PROF., 67-, ASST. PROF. PEDIAT., 63- Consult, headstart & community action progs., Off. Econ. Opportunity, 64-; Children's Center of Metrop. Atlanta, 66-67; Clayton & Spalding County Ment. Health Clins., 66-; Fulton County Dept. Family & Children's Serv., 67- Med.C., U.S.A., 55-57, Capt. Psychiat. Asn.; Group Psychother. Asn.; Orthopsychiat. Asn.; Acad. Pediat.; Soc. Res. Child Develop. Human and non-human primate normal and abnormal development; psychiatric disturbances in children. Publ: An approach to well baby care during the first months, J. Pediat., 5/65; Sexual problems of children, South. Med. J., 10/67; Psychoanalytically-oriented psychiatric guidance, Psychiat. Quart., 68. Address: Emory University Children's Clinic, 1317 Clifton Rd. N.E., Atlanta, Ga. 30307.
- TURNER, DR. ERWIN**, b. Wanatchee, Wash., Mar. 19, 10; m. 35; c. 1. APPLIED & EXPERIMENTAL PSYCHOLOGY. B.A., Cent. Wash. State Col., 52; M.Ed., Missouri, 54; Ed.D., Colo. State Col., 58. Instr., jr. high sch., Wash., 52-53; eng., Univ. Missouri, 53-54; high sch., Wash., 54-55; asst. prof. ind. ed., South. State Teachers Col., 55-56, consult, div. ind. voc. ed., 58; assoc. prof. psychol., Nebr. State Teachers Col. (Kearney), 58-59; prof. psychol. & dean, Col. of Ozarks, 60-62; assoc. prof. & dir. soc. activities, South. State Col., 62-64; PROF. PSYCHOL., NORTHEAST STATE COL., 64- U.S.N.R., 41-45. Psychol. Asn. Adequacy of trade and professional programs as measured by performance in the vocational field. Publ: Co-auth, Extra curricular activities. Address: Dept. of Psychology, Northeastern State College, Tahlequah, Okla. 74464.
- TURNER, DR. FREDERICK CLAIR**, b. Cambridge, Mass., Oct. 3, 38; m. 60; c. 3. POLITICAL SCIENCE. A.B., Harvard, 61; Nat. Defense Ed. Act fel., Fletcher Sch. Law, 61-64, M.A., 62; M.A.L.D., 63, Ph.D.(polit), 65. Asst. to Dir. Latin Am. Studies, Harvard, 63-64; asst. prof. POLIT. SCI. CONNECTICUT, 65-68, ASSOC. PROF., 68-, Univ. Found. faculty res. grants, 65-68. Vis. lectr., Yale, 67-68. Am. Polit. Sci. Asn.; Latin Am. Studies Asn.; Int. Polit. Sci. Asn. Nationalism and political development in Latin America; changes in the political role and attitudes of the Catholic Church in Latin America. Publ: The dynamic of Mexican nationalism, Univ. North Carolina, 68; The implications of demographic change for nationalism and internationalism, J. Polit., 2/65; The compatibility of church and state in Mexico, J. Inter-Am. Studies, 10/67. Address: Dept. of Political Science, University of Connecticut, Storrs, Conn. 06268.
- TURNER, DR. GEORGE C(HARLES)**, b. Johnstown, Pa., Apr. 15, 22; m. 50; c. 2. CLINICAL PSYCHOLOGY. B.S., Pittsburgh, 46; Ph.D., California, Los Angeles, 59. Trainee clin. psychol., Vet. Admin., Los Angeles, Calif., 47-51; sr. clin. psychologist, Camarillo State Hosp., 52, asst. chief psychologist, 57-61; CHIEF PSYCHOLOGIST, ORE. STATE HOSP., 61- Consult, Linn County Ment. Health Clin., 66-68. Dipl. Am. Bd. Exam. Prfl. Psychol., 65. U.S.A., 43-45. Psychol. Asn. Research and treatment with sex offenders; sexual development and education; staff development and its effect on treatment programs; psychiatric treatment program evaluation. Publ: Examiner influence on thematic apperception test responses, J. Proj. Tech. Address: Psychology Dept., Oregon State Hospital, Salem, Ore. 97310.
- TURNER, DR. GLEN C(ORBIN)**, b. La Crosse, Wis., Apr. 14, 05; m. 34; c. 2. ECONOMICS. A.B., Pomona Col., 27; Claremont Grad. Sch., 30-33; M.B.A., Harvard, 37, Melvin fel., 39; D.P.S., Adams State Col., 63. Grad. mgr., Pomona Col., 27-35; asst. dean grad. sch. bus. admin., Harvard, 37-40; prof. bus. admin., Colo. State Col., 40-67, controller & treas., 40-67, secy-treas., col. found., 65-67; part-time consult, 67- Participant, Ford Nat. Workshop Econ. Ed., N.Y. Univ., summer, 51. Part-time secy-treas., bd. trustees, State Colls., Colo., 40-62. Econ. Asn.; Joint Coun. Econ. Ed. Address: 2039A Via Mariposa, E., Laguna Hills, Calif. 92653.
- TURNER, DEAN G(ORDON) H(ASLAM)**, b. Westmount, Que., 12; m. 39; c. 3. PSYCHOLOGY. B.A., Toronto, 35, M.A., 36, Dunlap Mem. scholar, 36, Nat. Res. Coun. Can. fel. & Ph.D.(psychol), 39. Prof. psychol., WESTERN ONTARIO, 45-67, head dept., 54-63, DEAN TALBOT COL., 67- Can. Army, 41-45, Maj. Psychol. Asn.; Can. Psychol. Asn.(secy-treas., 48-49; pres., 60). Effect of fixed pace-work upon health. Publ: Human relations training as seen by a psychologist, Bus. Quart.; Psychology: becoming and unbecoming & co-auth, Scholastic aptitude of the Indian children of the Caradoc Reserve, Can. J. Psychol. Address: 62 Bromleigh Ave., London, Ont., Can.
- TURNER, PROF. HENRY A**, b. King City, Mo., Jan. 2, 19; m. 43; c. 3. POLITICAL SCIENCE. B.S., Northwest Mo. State Col., 39; M.A., Missouri, 41; fel., Chicago, 47-48, scholar, 48-49, Ph.D., 50. Instr. polit. sci. & hist., Wentworth Mil. Acad., 40-42; Iowa State Col., 45-48; from lectr. to PROF., POLIT. SCI., CALIFORNIA, SANTA BARBARA, 48- Ford Found. fel., 52-53; Haynes Found. fel., summer, 61; Rockefeller Found. fel. & vis. prof., Khartoum, 62-63; Am. Philos. Soc. res. grant, summer, 66. Consult, U.S. Bur. Budget, 53. U.S.N., 42-45, Lt. Polit. Sci. Asn. Voting behavior; government of California. Publ: Ed., Politics in the United States, 55 & co-auth, The government and politics of California, 3rd ed., 67, McGraw; American government in world perspective, Harper, 67. Address: Dept. of Political Science, University of California, Santa Barbara, Calif. 93106.
- TURNER, DR. JAMES D**, b. Edinburg, Miss., Mar. 27, 19; m. 48; c. 3. SOCIOLOGY, CRIMINOLOGY. B.A., Southern Mississippi, 46; M.A., Indiana, 48, Ph.D., 55. From instr. to asst. prof. sociol., Indiana, 50-55; res. assoc. criminol. res., Am. Bar Found., 55-57; assoc. prof. sociol. & admin., Southern Illinois, 57-65; V.PRES. ACAD. AFFAIRS, HUMBOLDT STATE COL., 65- U.S.M.C., 41-46, Maj. Sociol. Asn. Administration of criminal law, particularly minority groups of any culture. Publ: Contrib., Administration of criminal law in the United States. Address: 1625 Bayview St., Arcata, Calif. 95521.

TURNER, PROF. JOHN ELLIOT, b. Amble, Eng, Sept. 25, 17; nat; m. 44. POLITICAL SCIENCE. A.B. Yankton Col, 39; M.A. Minnesota, 49, fel, 49-50. Ph.D. (polit. sci), 50. Teacher, high sch, S.Dak, 39-41, Va, 46; teaching asst. POLIT. SCI, MINNESOTA, MINNEAPOLIS, 46-47, instr, 47-49, 50-52, asst. prof, 52-56, assoc. prof, 56-59, PROF, 59- Fulbright res. scholar, Gt. Britain, 61-62; summer vis. prof, Hawaii, 63 & 65. U.S.A., 42-46. Polit. Sci. Asn; Asn. Asian Studies. Comparative politics and methodology; political change. Publ: Co-auth, The new Japan, government and politics; The Soviet dictatorship; The political basis of economic development. Address: 1571 Vincent St, St. Paul, Minn. 55108.

TURNER, PRES. LYNN W (ARREN), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

TURNER, PROF. MALCOLM E (LLAH), JR, Biomet, see 11th ed, Phys. & Biol. Vols.

TURNER, PROF. MARGUERITE R (OBERTSON), b. U.S., Sept. 8, 18; m. 59. PSYCHOMETRICS. A.B. Brown, 39, A.M., 47; Harvard, 50-51; Ph.D., Connecticut, 61. Student teacher, Aldrich High Sch, R.I., 39-40, head dept. math, 45-50, 51-55; teacher, Gorton High Sch, 40-42; res. analyst, Sig. Corps, U.S. Dept. War, 42-45; asst. instr. math, Connecticut, 56-57, asst. ed, 57-58, teacher math, E.O. Smith Sch, 58-59; assoc. prof. guid. & counseling, R.I. Col, 59-64; DEAN R.I. JR. COL, 64- Non-verbal test of concept of shape. Publ: Concept formation, R.I. Col. J. Address: Rhode Island Junior College, 199 Promenade St, Providence, R.I. 02908.

TURNER, PROF. MARJORIE S (HEPHERD), b. Beaumont, Tex, Dec. 12, 21; m. 61; c. 1. ECONOMICS. Univ. fel, Texas, 49-50, 50-51, Ph.D. (econ), 54. Assoc. dean students, SAN DIEGO STATE COL, 54-56, from asst. prof. to prof. econ, 56-67, PROF. ECON. CHMN. DEPT. & CO-DIR. INST. LABOR ECON, 67- Econ. Asn; Indust. Rels. Res. Asn; Asn. Evolutionary Econ. Publ: Early American labor conspiracy cases, San Diego State Col, 67; Wages in the Cambridge theory of distribution, Indust. & Labor Rels. Rev, 10/66; Aspects of Cambridge and marginal productivity theory compared, J. Econ. Issues. Address: Dept. of Economics, San Diego State College, San Diego, Calif. 92115.

TURNER, PROF. MAX W (ESLEY), b. Charleston, Ill, Oct. 3, 16; m. 50. POLITICAL SCIENCE. B.S., East. Ill. State Col, 40; M.A., Iowa, 41, Ph.D., 47; hon. D.Ped., Eastern Illinois, 57. Assoc. prof. GOVT, SOUTHERN ILLINOIS, 47-55, PROF, 55-, ASST. DEAN COL. LIB. ARTS & SCI, 54-, ADMIN. ASST. TO PRES, 61-, asst. to dean, 43-54, chief acad. adv, 52-53, univ. archivist, 63-65. U.S.A.A.F., 42-47, Capt. Polit. Sci. Asn; Soc. Pub. Admin. Public law and administration; the university as a public corporation. Publ: Admission, exclusion and ejection of motion picture patrons, Iowa Law Rev. Address: R.R. 1, Carbondale, Ill. 62901.

TURNER, PROF. MERLE B (RANDT), b. Petaluma, Calif, July 1, 17; m. 41; c. 1. PSYCHOLOGY. B.A., Willamette, 41; M.A., Stanford, 47; fel, Colorado, 49-50, Ph.D., 50. PROF. PSYCHOL, SAN DIEGO STATE COL, 50- Ford Found. fel, 54-55. U.S.A.A.F., 42-45. Psychol. Asn. Perception; statistical inference; philosophy of science. Publ: Philosophy and the science of behavior, Appleton, 67. Address: Dept. of Psychology, San Diego State College, San Diego, Calif. 92115.

TURNER, DR. PAUL R. b. Peoria, Ill, June 4, 29; m. 50; c. 1. ANTHROPOLOGICAL LINGUISTICS. B.A., Wheaton Col, 52; M.A., Chicago, 64, Ph.D. (anthrop), 66. Faculty res. grant, ANTHROP, Nebraska, 66, asst. prof, 66-67; faculty res. grant, ARIZONA, 67, ASSOC. PROF, 67- U.S.A., 47-48. Anthrop. Asn; Ling. Soc. Am. Descriptive linguistics; sociolinguistics. Publ: Highland Chontal phonemics, Anthropol. Ling, 67; Chontal and Seri, Int. J. Am. Ling, 67. Address: Dept. of Anthropology, University of Arizona, Tucson, Ariz. 85721.

TURNER, PROF. RALPH F (REDERICK), b. Milwaukee, Wis, Oct. 18, 17; m. 41; c. 3. CRIMINALISTICS. B.S., Wisconsin, 39; M.S., Southern California, 57. Lab. supvr, Police Dept, Kansas City, Mo, 39-47; PROF. POLICE ADMIN, MICH. STATE, 47- Fulbright lectr, Cent. Police Col, Taipei, Taiwan, 63-64. Consult, Vietnam Police, 56, 57, 59-61. Mem, President's Cmn. Law Enforcement & Admin. Justice, 66. Acad. Forensic Sci. Criminalistics; chemical tests for intoxication. Address: 4331 Hulett Rd, Okemos, Mich. 48864.

TURNER, PROF. RALPH HAROLD, b. Bowling Green, Ohio, June 21, 16; m. 41. PSYCHOLOGY. B.A., Ohio Wesleyan, 38, M.A., 40, Nat. Res. Coun. fel, 41-42; fel, Upjohn Inst. Community Res, Mich, 46-47; Ph.D. (psychol), Ohio State, 47. Asst. prof. PSYCHOL, OBERLIN COL, 47-52, assoc. prof, 52-57, PROF, 58-, CHMN. DEPT, 59- U.S.A.A.F., 42-45. AAAS; Psychol. Asn. Social psychology; techniques for stimulating productive thinking in the classroom; place of teaching in higher education. Publ: Co-auth, Social psychology, Ann Arbor Pub, 61; Social psychology: the study of interaction, Holt, 65; auth, Self-ideal congruence as an index of adjustment, J. Abnorm. & Soc. Psychol. Address: 198 Shipherd Circle, Oberlin, Ohio 44074.

TURNER, PROF. RALPH H (ERBERT), b. Effingham, Ill, Dec. 15, 19; m. 43; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. A.B., Southern California, 41, A.M., 42; Wisconsin, 42-43; Soc. Sci. Res. Coun. fel, 47-48; Ph.D., Chicago, 48. Instr. sociol, CALIFORNIA, LOS ANGELES, 48-50, asst. prof, 50-55, assoc. prof. SOCIOL. & ANTHROP, 55-59, PROF, 59-, CHMN. DEPT. SOCIOL, 63- Res. assoc. Coun. Race Rels, 48; Soc. Sci. Res. Coun. faculty res. fel, 53-56; sr. Fulbright fel, London, 56-57, Guggenheim fel, 64-65. Summers, vis. prof, Washington (Seattle), 60, Hawaii, 62. Ed. Sociometry, 61-64. Mem. behav. sci. study sect, Nat. Insts. Health, 61-66, chmn, 63-64; dir-at-large, Soc. Sci. Res. Coun, 65-66. U.S.N.R., 43-46, Lt.(jg). Sociol. Asn. (pres, 68-69); Soc. Study Sociol. Probs. Role theory; upward mobility experience; family as a small group; race relations. Publ: Co-auth, Collective behavior; The social context of ambition, Chandler Pub, 64; Robert E. Park on social control and collective behavior, Univ. Chicago, 67. Address: Dept. of Sociology, University of California, 405 Hilgard Ave, Los Angeles, Calif. 90024.

TURNER, PROF. ROBERT C (LEMENS), b. Hiram, Ohio, Mar. 2, 08; m. 32; c. 2. BUSINESS ECONOMICS. A.B. Hiram Col, 30; M.B.A. Northwestern, 32; Ph.D. Ohio State, 37. From instr. to asst. prof. econ, Wayne State, 37-41; economist, Off. Prod. Mgt. & War Prod. Bd, 41-43; dep. dir. & dir. for. div, War Prod. Bd, 43-45; dir. bur. int. supply, Civilian Prod. Admin, 45-46; asst. to dir, Off. War Mobilization & Reconversion, 46-47; econ. adv. to asst. to President, 47-48; prof. bus. admin, INDIANA, 48-61; DISTINGUISHED SERV. PROF. BUS. ECON. & PUB. POLICY, 61- Vis. prof, Notre Dame, 54-55; asst. dir, U.S. Bur. Budget, 61-62. Consult, White House Staff, 48-; Secy. of the Treas, 63- Mem, President's Coun. Econ. Adv, 52-53; President's Task Force on Sustaining Prosperity, 64; President's Cmn. Budget Concepts, 67. Econ. Asn. Business-government relationships; analysis of business conditions; business forecasting. Publ: Co-auth, Analysis of business conditions, McGraw, 67; Member bank borrowing; Export control. Address: 915 S. Highland Ave, Bloomington, Ind. 47401.

TURNER, DR. TERENCE S, b. Philadelphia, Pa, Dec. 30, 35. ANTHROPOLOGY. B.A., Harvard, 57, Nat. Inst. Ment. Health fel. & grant, 62-64, Ph.D. (soc. anthrop), 65; M.A., California, Berkeley, 59. ASST. PROF. SOC. ANTHROP, Cornell, 66-68; CHICAGO, 68- Consult, soc. studies curriculum unit, Ed. Develop. Center, 67- U.S.A., 57-58. Fel. Anthrop. Asn; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland; Ethnol. Soc. Kinship; social and political organization; myth and ritual symbolism. Publ: The fire of the jaguar, Univ. Chicago, (in press); Bilateral kindred, moieties, and uxoriality among the Northern Kayapo, Ethnology, (in press). Address: Dept. of Anthropology, University of Chicago, Chicago, Ill. 60637.

TURNER, PROF. VICTOR WITTER, b. Glasgow, Scotland, May 28, 20; m. 43; c. 5. ANTHROPOLOGY. B.A., London, 49; Ph.D. (anthrop), Manchester, 55. Res. asst. anthrop, Manchester, 49-50; res. officer, Rhodes-Livingstone Inst, 50-54; res. asst, Manchester, 54-55, Simon res. fel, 55-57, lectr, 57-59, sr. lectr, 59-63; PROF. anthrop, Cornell, 63-68; SOC. THOUGHT & ANTHROP, CHICAGO, 68- Fel. Center Adv. Study Behav. Sci, 61-62; Lewis Henry Morgan lectr, Rochester, 66; vis. prof, Makerere Univ. Col, Uganda, 66. Am. Anthrop. Asn; Brit. Asn. Soc. Anthropol; Royal Anthropol. Inst. Gt. Brit. & Ireland (Rivers Mem. medal, 65). Comparative study of social structures and processes; political anthropology; symbolic systems, especially ritual, myth and ideology. Publ: Schism and continuity in an African society, Manchester Univ, 57; The forest of symbols: aspects of Ndembu ritual, Cornell, 67; The drums of affliction, Oxford Univ. & Clarendon, 68. Address: Dept. of Anthropology, University of Chicago, Chicago, Ill. 60637.

TURNER, DR. WELD W (INSTON), Psychol, see 10th ed, Soc. & Behav. Vols.

TURNER, DR. WILLIAM HOMER HEYWARD, b. Atlanta, Ga, Oct. 4, 04; m. 29; c. 2. POLITICAL SCIENCE. B.S.M.E., Ga. Inst. Tech, 25; B.Litt, Columbia, 27, Ph.D., 54; J.D., N.Y. Univ, 32, D.Jur.Sc, 45; LL.D., Pacific (Ore), 57, St. Mary's (Tex), 68; hon. D.Eng., Ohio Northern, 58, hon. H.H.D., Denison, 60; L.H.D., Alfred, 62. Asst. to chief ed, Encyclop. Britannica, 28-31; exec. asst. John Price Jones Corp, 31-33; economist & dir. pub. rels, Nat. Fedn. Textile, 33-36; dir. res. Marshall Field & Co, 36-38; statist. supvr. & aide to chmn. finance, U.S. STEEL CORP, 38-50, ASST. TO EXEC. V. PRES. & COMPTROLLER, 50-; V. PRES. & EXEC. DIR, U.S. STEEL FOUND, INC, 53- Consult, Secy. Defense; Nat. Bur. Econ. Res, 54- Mem, Latin-Am. Econ. Inst; Atomic Indust. Forum. Nat. Soc. Prfln. Eng; Bar Asn; Statist. Asn; Royal Soc. Arts. Industrial, scientific and legal problems; public finance and taxation. Publ: Production and distribution of textiles; co-auth, Financing higher education, 1960-1970; auth, Sponsored research policies in American colleges and universities. Address: U.S. Steel Foundation, Inc, 71 Broadway, Suite 1805, New York, N.Y. 10006.

TURNER, DR. WILLIAM L, b. Rocky Mount, N.C, June 25, 23; m. 46; c. 2. AGRICULTURAL ECONOMICS. B.S., N.C. State Col, 48, M.S., 50; Johnston Cotton Found-Nat. Cotton Coun. fel, 51-52; D.P.A. Harvard, 56. Farm mgt. specialist, agr. extn, N.C. STATE, 48-54, pub. affairs specialist, 55-56, in charge farm mgt. & pub. affairs, 56-62, asst. bus. mgr, 62-63, bus. mgr, 63-65, ADMIN. DEAN UNIV. EXTEN, 65- Dir, Wake Farmers Coop. Ex-change, 59- U.S.A., 43-46. Agr. Econ. Asn. Farm management; production economics; agricultural policy. Publ: Insurance for farm people; Savings and investment; Agriculture: industry's growing partner. Address: Box 5125, State College Station, Raleigh, N.C. 27607.

TURNERY, PROF. A (USTIN) H (ENRY), Ed. Psychol, see 10th ed, Soc. & Behav. Vols., deceased 67.

TURNERY-HIGH, PROF. HARRY HOLBERT, b. Kansas City, Mo, Feb. 11, 99; m. 32. ANTHROPOLOGY. B.A., St. Stephen's Col, 22; M.A., Wisconsin, 24, fel, 24-25, Wis. State Bd. Control fel, 25-28, Ph.D. (sociol), 28. Asst. prof, South Dakota, 26-27; acting prof, DePauw, 27-28; prof. anthrop. & sociol. & chmn. dept, Montana, 28-46; prof. & head dept, SOUTH CAROLINA, 46-67, EMER. PROF. ANTHROP, 67- Vis. prof, Tulane, 37-38; Liège, 49-50; Lenoir-Rhyne Col, 67. Consult, S.C. Law Enforcement Div, 60- Knight, Order of Orange-Nassau, Netherlands. U.S.A., 43-46, Col. AAAS; fel. Anthrop. Asn; Ling. Soc; Soc. Am. Archaeol; Soc. Appl. Anthropol. Social anthropology and ethnological theory. Publ: Primitive war, 49; Château-Gérard: the life and times of a Walloon village, 53; Man and system, 68. Address: Oakland Plantation, Gadsden, S.C. 29052.

TUROVH, DR. WALTER ESMOND, b. Phoenix, Ariz, Jan. 20, 32; m. 67; c. 1. PSYCHOLOGY. B.A., California, Los Angeles, 56; M.S., Los Angeles State Col, 58; Ph.D. (psychol), La. State, 62. Student prfln. asst. psychol, Calif. Inst. Men, Chino, 57-58; psychol. intern, Vet. Admin. Hosp, Guilford, Miss, 60-61; assoc. prof. psychol, Richmond Prfln. Inst, Va, 61-64; psychologist, South. Ariz. Ment. Health Center, 64-67; SR. CLIN. PSYCHOLOGIST, RENO MENT. HEALTH CENTER, 67- Asst. field assessment officer, Peace Corps, 65; asst. prof, Arizona, 65-67. Consult, E. La. State Hosp, Jackson, La, 59-60; Cent. State Hosp, Petersburg, Va, 62-64; Univ. Nevada, 68- U.S.A.F., 51-53. Psychol. Asn. Personality evaluation; community mental health. Address: 135 Elm St, Reno, Nev. 89503.

- TURQUETTE, PROF. ATWELL R(UFUS)**, b. Texarkana, Tex, July 14, 14; m. 58. SYMBOLIC LOGIC, PHILOSOPHY OF SCIENCE. A.B. Arkansas, 36; A.M. Duke, 37; fel. Chicago, 38-39; fel. Cornell, 40-43; Ph.D.(philos. math), 43. Instr. philos. Fla. South. Col., 37-38, assoc. prof., 39-40; instr. philos. & math. Cornell, 40-45; asst. prof. PHILOS. ILLINOIS, URBANA, 45-48, assoc. prof., 48-55, PROF., 55- Vis. prof. California, 50; Rockefeller vis. prof., Mississippi, 54; vis. prof. Texas, 56; Nat. Sci. Found. lectr. Southwest-ern at Memphis, 59; summer, vis. lectr. Tulane, 44, Texas, 47. Contrib. Int. Cong. Mathematicians, Stockholm, Sweden, 62; participant & del. Gen. Assembly, Int. Union Hist. & Philos. Sci., Helsinki, Finland, 62. AAAS; Math. Soc.; Asn. Symbolic Logic; Soc. Indust. & Appl. Math.; N.Y. Acad. Sci. Many-valued logics. Publ.: A general theory of k-place stroke functions in 2-valued logic, Proc. Am. Math. Soc., 10/62; Independent axioms for infinite-valued logic, J. Symbolic Logic, 9/63; A method for constructing implication logics, Zeitschrift für Mathematische Logik und Grundlagen der Mathematik, Band 12, Heft 4, 66. Address: Dept. of Philosophy, 105F Gregory Hall, University of Illinois, Urbana, Ill. 61801.
- TURRELL, DR. EUGENE S(NOW)**, Psychiat, see 11th ed, Phys. & Biol. Vols.
- TURSKY, BERNARD**, b. Poland, Oct. 2, 18; c. 1. PSYCHOPHYSIOLOGY. Dipl. Lowell Tech. Inst., 54. Sr. electronic technician, Mass. Inst. Tech., 51-56; POLYGRAPH INSTRUMENTATION ENGR, MASS. MENT. HEALTH CENTER & SCH. MED, HARVARD, 56-. LECTR. SOC. RELS, UNIV, 65- Co-prin. investr, U.S. Pub. Health Serv. res. grant, 60-65, prin. investr, 66- Consult, dept. neurol, Vet. Admin. Hosp., Boston, Mass., 57-; Boston Lying-In-Hosp., 59-; outpatient dept, Vet. Admin. Clin., 60-; dept. soc. dent, sch. dent. med, Tufts, 64-; dept. psychol, Boston, 64-; Childrens Hosp., 64- U.S.A., 42-46, T/Sgt. AAAS; Inst. Elec. & Electronics Eng; Soc. Psychophysiol. Res. Physical, psychological and physiological factors affecting pain due to electric shock; recording and data processing of psychophysiological information. Publ.: Controlled physical and subjective intensities of electric shock, 1: 151-162 & co-auth. Ethnic differences among housewives in psychophysical and skin potential responses to electric shock, 1: 241-246. Psychophysiology; Automatic data processing in psychophysiology: a system in operation, Behav. Sci., 11: 64-70. Address: Massachusetts Mental Health Center, 74 Fenwood Rd, Boston, Mass. 02115.
- TUSHINGHAM, DR. A(RLOTTE) DOUGLAS**, Archaeol, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- TUSSING, DR. AUBREY DALE**, b. Grants Pass, Ore, Feb. 8, 35; m. 55; c. 4. ECONOMICS. A.B. San Francisco State Col., 56; Ph.D.(econ), Syracuse, 64. Admin. asst. Bank of Calif., 56-58; ASST. PROF. ECON, Washington State, 64-66; SYRACUSE, 66-. Mem. col. proficiency exam. cmt. State Univ. N.Y., State Dept. Ed, 67- Econ. Asn; Finance Asn. Stabilization policy through disequilibrium systems or market imperfections; banking structure, competition, and performance; economics of poverty. Publ: Co-auth. Economic processes, Holt, 65; auth. Can monetary policy influence the availability of credit?, J. Finance, 3/66; The Case for bank failure, J. Law & Econ, 10/67. Address: Dept. of Economics, Syracuse University, Syracuse, N.Y. 13210.
- TUSSING, DR. LYLE**, Psychol, Sociol, see 10th ed, Soc. & Behav. Vols, deceased.
- TUSSING, PROF. ROBERT THEODORE**, b. San Benito, Tex, Sept. 13, 25; m. 45; c. 4. ACCOUNTING, BUSINESS ADMINISTRATION. B.B.A. Tex. Col. Arts & Indust, 48, M.S., 49; Trinity (Tex.), 53; Humble Oil & Refining Co. fel. Texas, Austin, 56-57, Ph.D.(bus. admin), 57. Partner, Robert L. Bacon & Assocs, Tex., 49-50; staff accountant, George Thrift & Cochrill, 52; instr. bus. admin, Trinity (Tex.), 52-53; acct. Texas, Austin, 53-57; prof. acct. & bus. admin, New Mexico Highlands, 57-68, head dept, 57-67; ASSOC. PROF. ACCT. & DATA PROCESSING, ILLINOIS STATE, 68- Summer participant, Nat. Sci. Found. Seminar, Texas A&M, 61, Ford Found. Seminar, Chicago, 63. Consult, 58- U.S.A.A.F., 44-46, Res., 46-50, Qm.C., 50-52, 1st Lt. Inst. Cert. Pub. Acct; Acct. Asn; Acct. Res. Asn. Electric data processing; business information systems; accounting theory; direct costing. Publ: 1958 program report: the role of industry in the American system, New Mexico Highlands Univ, 58; Consideration of the place of EDP in the college curriculum, In: Collegiate News & Views, South-Western Pub., 62. Address: Dept. of Accounting, College of Business, Illinois State University, Normal, Ill. 61761.
- TUTHILL, DR. CURTIS E(DWARD)**, Psychol, see 10th ed, Soc. & Behav. Vols.
- TUTHILL, DR. DEAN F**, b. Mattituck, N.Y., Jan. 26, 24; m. 54; c. 4. AGRICULTURAL ECONOMICS. B.S. Cornell, 49; M.S. Illinois, Urbana, 54, Ph.D. (agr. econ), 58. From asst. prof. to assoc. prof. AGR. ECON, Maine, 56-65; ASSOC. PROF. MARYLAND, 65-. vis. prof. study econ. develop, 63-64. Agr. Develop. Coun. summer grant agr. study, Zambia, Africa, 64. U.S.A.A.F., 43-46, Sgt. Agr. Econ. Asn. Development of natural and human resources in depressed areas and underdeveloped countries. Publ: Co-auth. The effects of sediment pollution on water recreation in the upper Potomac estuary, Univ. Maryland, 67 & The structure of shifting agriculture in two Chewa villages, Exp. Sta. Univ. Maryland, 68. Address: Dept. of Agricultural Economics, University of Maryland, College Park, Md. 20742.
- TUTHILL, PROF. R(ICHARD) L(OVEJOY)**, b. Suffern, N.Y., Apr. 29, 11; m. 34; c. 2. ECONOMIC GEOGRAPHY. A.B. Bates Col., 33; A.M. Columbia, 38, Ed.D.(geog), 46. Asst. dir. res. Pan Am. World Airways, 44-46; assoc. prof. geog. Kentucky, 46-47, prof., 48-53, registr., 51-53; PROF. GEOG & UNIV. REGISTR, DUKE, 54- Chief res. analyst, Gen. Staff Corps. & Mil. Intel. Div. N.Y., 42-44; lectr. Columbia, 46. Mem. Nat. Coun. Soc. Studies; N.C. Inst. Sci. Teacher Training Div., 61-; accreditation cmt. South. Asn. Cols., 64-66. AAAS; Asn. Am. Geog; fel. Geog. Soc. Commercial air transport; resources of the Union of Soviet Socialist Republics and tropical Africa; food preservation in tropical Africa. Address: 111 Allen Bldg, Duke University, Durham, N.C. 27706.
- TUTHILL, PROF. WILLIAM CARROLL**, b. Staunton, Va, Aug. 10, 21; m. 42; c. 3. ACCOUNTING, BUSINESS ADMINISTRATION. B.A. Virginia, 42; M.B.A. Michigan, 47, Ph.D.(finance), 59. Instr. ACCT, Alabama, 47-50; Michigan, 50-55; asst. prof. Illinois, 55-58, PROF. South Carolina, 58-63; EMORY, 63- Asst. dir. Mich. Pub. Utility Prog., 51-56, 57-; res. dir. Mich. Cmt. Econ. Develop., 52-53. U.S.N., 42-46, Lt. Am. Acct. Asn; Nat. Asn. Acct; Financial Execs. Inst. Financial accounting; managerial accounting. Publ: Marginal income as a factor in pricing, Nat. Asn. Acct. Bull., 62; co-auth. The R.E.A.—an evaluation, Am. Enterprise Inst., 63; auth. The changing institutional world, Budgeting, 67. Address: Dept. of Accounting, Emory University Graduate School of Business, Atlanta, Ga. 30322.
- TUTTLE, DR. A(LVA) M(AURICE)**, b. Mooresville, Ind. ECONOMICS. A.B. Butler, 23; M.S. Iowa, 28; Ph.D. Ohio State, 37. Statistician, Fed. Works Agency, 34-42; asst. prof. ECON, OHIO STATE, 42-51, ASSOC. PROF., 51- Mathematical economic theory; marginal productivity theory and the Cobb-Douglas function. Publ: Teacher's manual & lab. manual for, Elementary business statistics. Address: Dept. of Economics, Ohio State University, Columbus, Ohio 43210.
- TUTTLE, DR. ANDREW C**, b. Ogden, Utah, Sept. 22, 33; m. 60; c. 1. POLITICAL SCIENCE. B.A. California, Santa Barbara, 60, M.A., 62; Ph.D.(polit. sci), Claremont Grad. Sch. & Grad. Center, 67. Instr. soc. sci, Rio Hondo Jr. Col., 63-65; ASST. PROF. POLIT. SCI, Loyola (Calif), 65-68; NEVADA SOUTHERN, 68- Consult, Douglas Missile & Space Sys. Div, Calif, summer 67. U.S.A., 53-57. Polit. Sci. Asn. Latin American governments and politics particularly Caribbean area; international politics—military and political analysis. Address: Dept. of Political Science, Nevada Southern University, Las Vegas, Nev. 89109.
- TUTTLE, DR. DANIEL W(EBSTER)**, JR, b. Quincy, Ill, Feb. 25, 25; m. 47; c. 3. POLITICAL SCIENCE. A.B. Ill. Col., 45; M.A. Minnesota, 48, Ph.D. (polit. sci), 64. Asst. polit. sci, Minnesota, 45-47; instr. Wyoming, 47-50; res. asst. legis. reference bur. Hawaii, 50-53, asst. prof. polit. sci, 50-61, assoc. prof., 61-66; EXEC. SECY. HAWAII ED. ASN, 66- Vis. prof. Stephens Col., 52-53; summer vis. prof. California, Los Angeles, 61. Polit. analyst, Honolulu Sunday Advertiser, 59-66; polit. & election commentator, KGMB-TV, 59- Polit. Sci. Asn; Soc. Pub. Admin; Nat. Ed. Asn. Activities and behavior of political leaders, groups, parties and administrative behavior; public opinion and propaganda. Publ: The general contingent fund in Minnesota: operation and management, 1939-1947, Pub. Admin. Rev. Hawaii, 19: Presidential nominating politics in 1952, Vol. V; The 1960-62-64-66 election in Hawaii, West. Polit. Quart. Address: 1649 Kalakaua Ave, Honolulu, Hawaii 96814.
- TUTTLE, PROF. FRANK W(ALDO)**, b. State College, Pa, Nov. 6, 96. ECONOMICS. A.B. Kentucky, 20; A.M. Illinois, 24; Ph.D. Iowa, 34. Asst. & instr. ECON, Illinois, 22-29; asst. prof. Washington & Jefferson Col., 29-33; prof. & head dept. Southwest. Col., 34-35; from asst. prof. to prof. FLORIDA, 35-67, EMER. PROF., 67- Assoc. economist, War Labor Bd, Atlanta, 43-45; Wage Stabilization Bd, 46. Econ. Asn. Organization and accomplishments of the Florida Automobile Dealers' Association. Publ: Large scale production, Am. J. Econ. & Sociol; Some unsettled problems and issues of economic history, Soc. Sci., 6/67. Address: 1540 N.W. Sixth Ave, Gainesville, Fla. 32601.
- TUTTLE, DR. RUSSELL H**, Phys. Anthropol, see Suppl. V to 11th ed, Phys. & Biol. Vols.
- TUZI, DR. LOUIS A**, b. Mooween, Pa, Mar. 16, 24; m. 56; c. 2. INDUSTRIAL ENGINEERING. B.S.I.E. Pittsburgh, 49; J.D. Cleveland Marshall Law Sch., 55; M.S.I.E. Case, 58, Ph.D.(eng. admin), 64. Indust. engr, Anchor Hocking Glass Corp, Ohio, 49-52; standards supvr, Parker Appliance Co., 52-55; instr. INDUST. ENG, Case, 55-62; ASSOC. PROF. CLEVELAND STATE, 62- Med. C. U.S.A., 43-46. Inst. Indust. Eng. Engineering economy and management; plant layout; legal aspects of engineering. Address: Dept. of Mechanical & Industrial Engineering, Cleveland State University, Euclid & 24th St, Cleveland, Ohio 44115.
- TWAIN, DR. DAVID C**, b. Atlantic City, N.J., Dec. 12, 29; m. 52; c. 1. PSYCHOLOGY. B.S. Florida, 50; M.A. Temple, 51; Ph.D.(psychol), Pa. State, 54. Intern. ment. health, Elgin State Hosp, 53-54; chief psychologist, Nat. Training Sch, Wash. D.C., 58-61; consult. crime & delinquency, Nat. Inst. Ment. Health, 61-64; chief crime & delinquency sect, 64-66, center studies crime & delinquency, 66-68; DIR. RES. & DEVELOP. CENTER, JEWISH BD. GUARDIANS, 67- Consult, Nat. Crime Cmn, 65-67; Nat. Inst. Ment. Health, 67- U.S.A., 55-58, 1st Lt; U.S.P.H.S.R., 58- Psychol. Asn; Orthopsychiat. Asn; Nat. Coun. Crime & Delinquency; Soc. Psychol. Study Soc. Issues. Research and development of human service programs. Publ: Four portraits, Proc. Golden Anniversary, White House Conf. Children & Youth, 60; Professional clinical services, In: Readings in the administrations of institutions for delinquent youth, C.C. Thomas, 64; Current research related to crime and delinquency, Fed. Prob'n, 3/66. Address: Jewish Board of Guardians, 120 W. 57th St, New York, N.Y. 10019.
- TWARK, DR. ALLAN J**, b. Ravenna, Ohio, July 26, 31; m. 65. STATISTICS, FINANCE. B.S. Kent State, 53, M.B.A., 54; Ph.D.(econ), Illinois, 59. Asst. prof. bus. admin, St. Joseph's Col.(Ind.), 58-60; statist. Pa. State, 60-62; ASSOC. PROF. bus. admin, Arizona State, 62-64; ECON, Creighton, 64; KENT STATE, 66- Summers, mem. econ. seminar, Univ. Wisconsin, 59, math. seminar, Michigan, 62, computer seminar, Chicago, 64, finance seminar, N.Y. Univ., 67. Economics. Publ: Co-auth. Economic and social impact of highways, Pa. State Univ, 60 & Land-use planning and interchanges, Hwy. Res. Bd, 62; auth. Capital expenditures, Tri-County Regional Planning, 67. Address: Dept. of Economics & Finance, Kent State University, Kent, Ohio 44240.
- TWEDDELL, DR. COLIN E(LLIDGE)**, b. Melbourne, Australia, Mar. 19, 99; nat; m. 33; c. 3. ANTHROPOLOGY, LINGUISTICS. B.A. Washington (Seattle), 45, M.A., 48, univ. fel, 52-53, Sarah Loretta Denny fel, 57-58, Ph.D.(ling), 58. Instr. Chinese lang, Washington (Seattle), 42-45; phonetics, Simpson Bible Col, Seattle, 51-53; coordinator & linguist, Cuyonon transl. prof, Philippine Bible House, Manila, 58-63; assoc. prof. anthropol, WEST. WASH. STATE COL, 65-66, LECTR. ANTHROP. & LING, 66- Consult. Cuyonon orthography, div. supt. div. pub. schs, Palawan Prov, Philippines,

60-63, mem. bd, S.W. Regional Sch. Arts & Trades, Cuyo, 62-63. Mem. bd. dirs. & acad. adv. Mountlake, 64-67, faculty, 64-65. U.S.M.C.R. 45-49, Capt. AAAS; Ethnol. Soc; Anthrop. Asn; Ling. Soc. Areal studies, ethno-history & religion of China, South East Asia, Oceania and Pacific North West Coast; Sinitic, Philippine and Salishan linguistics; anthropological linguistics. Publ: Transl. Fulfilled prophecy, Relig. Tract Soc, Hankow, China, 34; auth. Snoqualmie-Duwamish dialects of Puget Sound Coast Salish: phonemics and morphology, Univ. Washington Pub. Anthropol, 12: 1-78; transl. Karantaen sa pagsimba, A.B.W.E. Press, Manila, 63. Address: Dept. of Sociology and Anthropology, Western Washington State College, Bellingham, Wash. 98225.

TWEDT, DR. DIK WARREN, b. Minneapolis, Minn, Dec. 30, 20; m. 41; c. 1. PSYCHOLOGY. B.A. Minnesota, 41; M.S.J. Northwestern, 48, Ph.D. 51. Lectr, Northwestern, 48-56; psychologist & res. supvr. Needham, Louis & Brorby, Inc, 52-56; pres, Faison & Twedt, Inc, 60-62; dir. mkt. serv. Batten, Barton, Durstine & Osborn, Inc, 62-63; DIR. PROD. PLANNING, OSCAR MAYER & CO, 63- Lectr, Chicago, 55-56. Psychol. Asn; Mkt. Asn.(v.pres). Communications; advertising; marketing. Publ: Multiple factor analysis of advertising readership. Address: 32 Fuller Court, Madison, Wis. 53704.

TWEEDIE, PROF. DONALD F(ERGUSON), JR, b. Salem, Mass, July 24, 26; m. 45; c. 7. PSYCHOLOGY. A.B. Gordon Col, 50; Fuller Theol. Sem, 50-52; Ph.D. Boston, 54; Harvard, 58-59; Vienna, 59-60; Chicago, 65. Instr. philos. & psychol, Gordon Col, 52-54, asst. prof. psychol, 54-57, assoc. prof, 57-60, prof, 61-62; res. specialist, Vet. Admin. Hosp, Lexington, Ky, 62-63; dir, Pasadena Community Counseling Center, 64-66; PROF. PSYCHOL, GRAD. SCH. PSYCHOL, FULLER SEM, 64- Lectr, Endicott Jr. Col, 58-; prof, Pensacola Theol. Inst, 65 & 67. Consult, Los Angeles County Ment. Health Dept, 66-67. U.S.A.A.F, 43-45. Psychol. Asn; Am. Sci. Affiliation. Hypnoanalysis; religious experience and mental health; logotherapy. Publ: Logotherapy and the Christian faith; The Christian and the couch, 63 & Of sex and saints, 65, Baker Book House. Address: Fuller Seminary, Pasadena, Calif. 91101.

TWEITO, DEAN THOMAS E, b. Spring Grove, Minn; m. 36; c. 2. POLITICAL SCIENCE, HISTORY. B.A. St. Olaf Col, 27; summers, Minnesota, 29 & 30, Chicago, 46; M.A. Iowa, 36, Ph.D.(hist. polit. sci), 38. Teacher & prin, high sch, 27-35; asst. hist, Iowa, 36-38; instr. hist. & polit. sci, Winthrop Col, 38-40; prof, Morningside Col, 40-59, dean, 46-59; PROF. HIST. & POLIT. SCI, DEAN & V.PRES, MO. VALLEY COL, 59- U.S.A.A.F, 42-43. Hist. Soc. Frontier history; the campaign for pure food and drugs; frontier reading materials 1820-1860; student attrition. Publ: The West in the pre-Civil War decade, 59. Address: Dept. of History & Political Science, Missouri Valley College, Marshall, Mo. 65340.

TWETON, DR. D. JEROME, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

TWITCHELL, DR. T(HOMAS) E(VANS), Neurol, see 11th ed, Phys. & Biol. Vols.

TWYFORD, DR. LORAN C(ASSIUS), JR, b. Bartlesville, Okla, Feb. 1, 20. PSYCHOLOGY. B.S. Oklahoma, 43; M.S. Syracuse, 48; fel, Pa. State, 48-51, Ph.D.(psychol), 51. Res. psychologist, spec. devices center, Off. Naval Res, 51-57; assoc. prof, Mich. State, 57-59; consult. ed. commun, N.Y. STATE ED. DEPT, 59-62, CHIEF BUR. CLASSROOM COMMUN, 62- Psychol. Asn; Inst. Elec. & Electronics Eng. Cycle and instruction film research; education; engineering. Publ: Profile techniques for program analysis, Audio-Visual Commun. Rev. Address: 469 Livingston Ave, Albany, N.Y. 12206.

TWYMAN, DR. J(OSEPH) PASCHAL, b. Prairie Hill, Mo, Nov. 21, 33; m. 53; c. 2. EDUCATIONAL RESEARCH. B.A. Missouri, Kansas City, 55, M.A. 59, Ph.D.(ed), 62. Asst. prof. ed, Okla. State, 60-62, assoc. prof, 62-66, asst. dir. res. found, 64-65, assoc. dir, 65-66; dir. res. & asst. to chancellor, Missouri, St. Louis, 66-67; v.pres. res. & develop, TULSA, 67-68. PRES, 68- Res. grants, Ford Found, 63-67, U.S. Off. Ed, 64-67. Consult, Southwest. Coop. Ed. Lab, N.Mex, 67-68; Tech. Ed. Res. Center, Inc, Mass, 66-68. Ed. Res. Asn. Analysis of the roles and role conflicts of members in the teaching profession; a study of experimental rehabilitation techniques for underprivileged youth. Publ: Co-auth. The role of the teacher and occupational choice, Sch. Rev, 62, Role conflicts of public school teachers, J. Psychol, 63 & Persistence in engineering and technical institute programs: a study of some non-intellectual concomitants, J. Human Resources, 67. Address: University of Tulsa, 600 S. College, Tulsa, Okla. 74104.

TYBONT, PROF. RICHARD A(LTON), b. Philadelphia, Pa, Sept. 28, 20; m. 46; c. 3. ECONOMICS. B.Ch.E. Delaware, 43; M.S.E. Michigan, 47, M.A. 49, fel, Ph.D.(econ), 52. Price economist, Off. Price Stabilization, 51-52; instr. econ. & res. assoc. pub. admin, Michigan, 52-54; asst. prof. ECON, OHIO STATE, 54-57, assoc. prof, 57-62, PROF, 62- Ford Found. faculty study fel, 59-60. U.S.A. 43-46, Capt. Econ. Asn. Government and business; economic progress; economic aspects of atomic energy. Publ: Government contracting in atomic energy, Univ. Michigan, 56; Economics of research and development, Ohio State Univ, 65; Atomic power and energy resource planning, Ohio State Univ. Bur. Bus. Res. Monogr, 58. Address: Dept. of Economics, Ohio State University, Columbus, Ohio 43210.

TYE, DR. V(ELMONT) M(ILLER), b. Greeley, Colo, Mar. 24, 16; m. 43; c. 2. PSYCHOMETRICS. B.A. Phillips, 39; M.A. Missouri, 45; Ph.D. Ohio State, 55. Instr. psychol, Wayne State, 47-51; psychologist, personnel res. br, Adj. Gen. Off, 51-56; dir. guid. & registr, Eureka Col, 56-61, dir. guid, 61-62; assoc. prof. psychol, Pacific Lutheran, 62-64; clin. psychologist, Rainier State Sch, Wash, 64-66; CLIN. & RES. PSYCHOLOGIST, CASCADIA JUVENILE RECEPTION DIAGNOSTIC CENTER, 66- Mem. panel therapists, Tacoma-Pierce County Community Clin, 65- Psychol. Asn; Personnel & Guid. Asn. Statistical psychology; research design; test construction; rehabilitation of juvenile delinquents and predicting their success; group therapy; learning theory. Address: 107 S. 54th St, Tacoma, Wash. 98408.

TYLER, DR. BONNIE BETH, Psychol, see 10th ed, Soc. & Behav. Vols.

TYLER, PROF. EUNICE N(ICKERSON), b. East Haven, Conn, Apr. 30, 09; div. PUBLIC HEALTH EDUCATION. Ph.B. Brown, 31; M.P.H. Yale, 33, Milbank Mem. fel, 34-35, Ph.D.(pub. health), 46. Asst. biostatist. sch. pub. health, Yale, 33-34, serv. & ed. in tuberc, 34-35; supvr. records & statist, Hartford Vis. Nurse Asn, Conn, 35-41; asst. health ed. consult, community orgn. & health ed, U.S. Pub. Health Serv, 42-43, assoc. health ed. consult. state & community health ed, 43-44; assoc. prof. PUB. HEALTH ED, NORTH CAROLINA, 45-53, prof, 53-66, EMER. PROF, 66- Co-ed, Health Educator at Work, 47, 49, 52-67. AAAS; Pub. Health Asn; Soc. Pub. Health Educators; Adult Ed. Asn. Publ: Health educator—past, present and future, High Sch. J; co-auth. Changing concepts in public health education, Yale J. Biol. & Med. Address: Gooseneck Rd, P.O. Box 818, Chapel Hill, N.C. 27514.

TYLER, DR. FORREST BROOKS, b. New Albany, Ind, Dec. 6, 25; m. 48; c. 3. PSYCHOLOGY. B.A. DePauw, 48; M.A. Ohio State, 50, Ph.D.(clin. psychol), 52. Asst. psychol, Ohio State, 48-50; intern clin. psychol, Vet. Admin. Ment. Hyg. Clin, Columbus, Ohio, 50-51; from asst. prof. to prof. psychol, Southern Illinois, 52-64, coordinator coop. personality res, 56-61, dir. clin. psychol. & Ill. Psychiat. Training Authority grant, dept. ment. health, 62-64; training specialist, PSYCHOL. SECT, BEHAV. SCI. TRAINING BR, NAT. INST. MENT. HEALTH, 64-66, CHIEF, 66- Nat. Inst. Ment. Health sr. fel. clin. psychol, med. sch, Oregon, 63-64; Nat. Sci. Found. grant. sci. inference anal, 64-66; Nat. Sci. Found. vis. scientist, Am. Psychol. Asn, 65-66. Psychologist, Anna State Hosp, Ill, 60-63; training consult, Vet. Admin, 63-64. Mem. bd. civil serv. exam, St. Elizabeth's Hosp, 66-; Career develop. bd. psychologists, Dept. Health, Ed. & Welfare, 68- U.S.A., 44-46. Soc. Res. Child Develop; Psychol. Asn. Personality theory; psychotherapy; clinical psychology; philosophical bases of the science and practice of psychology. Publ: Co-auth. A threshold conception of need value, Psychol. Monogr, 62, The development of behavior patterns in children, Genetic Psychol. Monogr, 66 & Psychological considerations and implications for psychology, J. Genetic Psychol, 67. Address: Psychology Section, Behavioral Sciences Training Branch, National Institute of Mental Health, Chevy Chase, Md. 20203.

TYLER, DEAN F(FREDERICK) T, b. Alberta, Alta, Can, Feb. 13, 07; m. 33; c. 1. EDUCATIONAL PSYCHOLOGY. B.Sc. Alberta, 36, M.A. & M.Ed. 38; Ph.D.(ed), California, Berkeley, 39. Prof. ed. & psychol, British Columbia, 39-44, 46-48; ed, California, Berkeley, 48-65, assoc. dean ed, 61-65; DEAN ED, VICTORIA, 65- R.C.N.V.R., 44-45. Psychol. Asn; Psychomet. Soc; Soc. Res. Child Develop; Statist. Asn. Prediction of teaching success; learning, growth and development of children. Publ: Choosing your life work. Address: 300 Beach Dr, Victoria, B.C. Can.

TYLER, DEAN LEONA E(LIZABETH), b. Chetek, Wis, May 10, 06. PSYCHOLOGY. B.S. Minnesota, 25, M.S. 39, Ph.D.(psychol), 41. Instr. PSYCHOL, OREGON, 40-42, asst. prof, 42-47, assoc. prof, 47-55, PROF, 55- DEAN GRAD. SCH, 65- Fulbright lectr, Amsterdam, 62-63. Consult, Vet. Admin, 55-; U.S. Off. Ed, 59- Fel. Psychol. Asn. Cross-cultural investigation of cognitive factors controlling life choices and plans. Publ: Psychology of human differences; Work of the counselor; co-auth. Clinical psychology, Appleton, 62. Address: Graduate School, University of Oregon, Eugene, Ore. 97403.

TYLER, DR. RALPH W(INFRED), b. Chicago, Ill, Apr. 22, 02; m. 21, 47, 55; c. 3. SOCIAL SCIENCE. A.B. Doane Col, 21, LL.D. 54; A.M. Nebraska, 23; Ph.D.(ed), Chicago, 27; hon. LL.D. Muskingum Col, 38, Ohio State, 56, Drexel Inst, 60, Delaware & Northeastern, 65; hon. Ped.D. Coe Col, 58; hon. D.H.L. Cincinnati, 59; hon. D.S.C. Antioch Col, 64. Instr, Nebraska, 22-26; assoc. prof. ed, North Carolina, 27-29; assoc. prof, bur. ed. res, Ohio State, 29-31, prof, 31-38, res. assoc, 29-38; prof. ed. & univ. exam, Chicago, 38-53, chmn. dept, 38-48, dean soc. sci, 48-53; dir. CENTER ADV. STUDY IN BEHAV. SCI, 53-67, EMER. DIR, 67- Mem. bd. dirs, Soc. Sci. Res. Coun, 45-49; Nat. Sci. Bd, 62-68. AAAS; Psychomet. Soc; Statist. Asn; Nat. Acad. Ed.(pres, 65-69). Educational experimentation. Publ: Constructing achievement tests: Appraising and recording student progress; Basic principles of curriculum and instruction. Address: 5825 Dorchester Ave, Chicago, Ill. 60637.

TYLER, DEAN S(AMUEL) LYMAN, Hist, Ethnol, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

TYLER, DR. STEPHEN ALBERT, b. Hartford, Iowa, May 8, 32; m. 62. ANTHROPOLOGY. B.A. Simpson Col, 57; M.A. Stanford, 62, Ford Found. fel, 62-63, Ph.D.(anthrop), 64. Asst. prof. ANTHROP, California, Davis, 64-67; ASSOC. PROF, TULANE, 67- Asst. prof. CALIFORNIA, Berkeley, summer 66. U.S.A.F, 62-66. Anthropol. Asn; Ling. Soc. Am; Asn. Asian Studies. Cultural anthropology; Dravidian linguistics; language and culture; kinship and social organization; India. Publ: Koya language morphology and patterns of kinship behavior, 65 & Context and variation in Koya kinship of definitions, 67, Am. Anthropologist; Parallel/cross: an evaluation, Southwest. J. Anthropol, 67. Address: Dept. of Anthropology, Tulane University, New Orleans, La. 70118.

TYLER, DR. VERNON O(RRIN), JR, b. Salem, Ore, Sept. 10, 29; m. 53; c. 3. PSYCHOLOGY. B.S. Washington (Seattle), 51; M.A. Iowa, 56; Ph.D.(psychol), Nebraska, 60. Clin. psychologist, Ft. Worden Treatment Center, 60-63, chief psychologist, 63-65; asst. prof. PSYCHOL, WEST. WASH. STATE COL, 65-68, ASSOC. PROF, 68- U.S.A. 52-54. Psychol. Asn. Application of learning principles to the modification of behavior in clinical and educational settings, especially with adolescents. Publ: Sensory integration with and without reinforcement, J. Exp. Psychol, 4/82; co-auth. The use of swift brief isolation as a group control device for institutionalized delinquents, Behav. Res. & Ther, 8/67 & Token reinforcement of academic performance with institutionalized delinquent boys, J. Ed. Psychol, 68. Address: Dept. of Psychology, Western Washington State College, Bellingham, Wash. 98225.

TYMAN, DEAN JOHN L(ANGTON), b. Gravesend, Eng, Aug. 24, 35; Can. citizen; m. 62; c. 2. GEOGRAPHY. B.A. Oxford, 59, M.A. 63; M.A. McGill, 61. Lectr. GEOG, BRANDON, 62, asst. prof, 62-67, ASSOC. PROF, 67- HEAD DEPT, 65- Brit. Army, 54-56, Sgt. Asn. Am. Geog. Can. Asn. Geog. Historical and cultural geography, especially pioneer settlement. Address: Dept. of Geography, Brandon University, Brandon, Man, Can.

TYNDALL, DR. D(AVID) GORDON, b. Bangalore, India, Nov. 19, 19; nat; m. 42; c. 3. ECONOMICS. B.Com, Toronto, 40, M.A. 41; Ph.D.(econ), California, 48. Assoc. bus. admin, Calif, 46-47; asst. prof. econ, Cornell, 47-49; assoc. prof. Carnegie Inst. Tech, 49-53; asst. to v.pres. finance, Am. Pres. Lines, 53-55; dir. ins. & retirement sys., California, Berkeley, 55-63, assoc. prof. bus. admin, 59-67; dir. anal. studies, 61-65; V.PRES. FINANCE & ADMIN, ALBERTA, 67- Consult, Jones & Laughlin Steel Co, 53. R.C.A.F. & Can. Army, 42-45. Econ. Asn; Economet. Soc; Inst. Mgt. Sci; Finance Asn. Price theory; relation of government and business; business cycles. Publ: Relative merits of average cost pricing, marginal cost pricing and price discrimination, Quart. J. Econ; Price policy in a nationally administered industry, J. Indust. Econ; co-auth, Centralization vs. decentralization in organizing the controllers department, Controllership Fedn. Address: University of Alberta, Edmonton, Alta, Can.

TYNER, DR. FRED H, JR, b. Purvis, Miss, Mar. 23, 37; m. 58; c. 2. AGRICULTURAL ECONOMICS. B.S. Miss. State, 59, M.S. 62; Ph.D.(agr. econ), Okla. State, 67. Res. asst. agr. econ, Miss. State, 60-61, res. assoc. 61-63; Okla. State, 63; agr. economist, farm prod. econ. div, econ. res. serv, U.S. Dept. Agr, 63-66; ASST. PROF. AGR. ECON, LA. STATE, 66- Agr. Econ. Asn. Production economics, quantitative research methods and agricultural policy; economic implications of alternative government programs for agriculture. Publ: Co-auth, A methodology for estimating production parameters, 12/65 & Simulation as a methodology for appraisal of farm programs, 2/68, J. Farm Econ; auth, The U.S. sugar act, Sugar J, 7/67. Address: Dept. of Agricultural Economics & Agribusiness, Louisiana State University, Baton Rouge, La. 70803.

TYREE, DR. DONALD A(NDREW), b. St. Louis, Mo, Nov. 19, 30; m. 56; c. 2. FINANCE. B.S. Washington (St. Louis), 53, M.B.A. 56; Tex. Savings & Loan League & Consumer Finance Asn. fcls. & Ph.D, Texas, 59. Acct, Mallinckrodt Chem. Works, 55; lectr. finance, Texas, 56-59; asst. prof. FINANCE, ST. LOUIS, 59-62, ASSOC. PROF, 62-, BROKERAGE COURSES, INST. FINANCE, 61-, CHMN. DEPT. FINANCE, UNIV, 68- Summer res. assoc, U.S. Dept. Labor, Washington (St. Louis), 56, instr, Washington (St. Louis), 57. Consult, U.S. Army Transportation & Material Command, 60-61; rate regulation consumer finance, Allied Finance Co, summer 60. U.S.A. 53-55. Econ. Asn; Finance Asn. Insurance. Publ: Small loan industry in Texas; Consumer finance companies in Texas, Tex. Bus. Rev. Address: Dept. of Finance, St. Louis University, St. Louis, Mo. 63103.

TYRELL, DR. DONALD J, b. Boston, Mass, Nov. 13, 29; m. 55; c. 2. CLINICAL PSYCHOLOGY, NEUROPSYCHOLOGY. B.S. Boston Col, 53; M.A., Loyola (Ill), 56, Ph.D.(psychol), 62. U.S. Pub. Health Serv. fel, Northwestern, 61-62; Cook County Postgrad. Sch. Med. & med. sch, Univ. Illinois, 66. Dir, Victor C. Neumann Sch. Mentally Retarded Children, 54-56; psychologist, bur. child study, Chicago Bd. Ed, 56-57; juvenile court, Family Court of Cook County, 57-59, dir, 58-59; consult. psychologist, Little City, Palatine, Ill, 59-61; staff psychologist, Vet. Admin. Hosp, Downey 62-64; CONSULT. STAFF PSYCHOLOGIST, NORTHWEST COMMUNITY HOSP, 66- Teacher, Chicago Bd. Ed, 57-58; high sch, 58-60; DePaul, summer 63; Univ. Wisconsin, Kenosha, 63-; lectr, grad. sch, Northern Illinois, 67- Psychologist, eve. psychiat. clin, Mary Thompson Hosp, Chicago, 58-59; private practice, 60- Psychol. Asn; Asn. Ment. Deficiency; Int. Neuropsychol. Soc. Publ: Co-auth, Differences between process and reactive schizophrenics on a test assessing organic brain pathology, Newsletter Res. Psychol, 5/64; auth, Why can't we understand juvenile delinquency?, Fed. Probtn, 6/64; co-auth, A methodological consideration in the performance of process and reactive schizophrenics on a test of organic brain pathology, J. Clin. Psychol, 7/65. Address: 1420 N. Arlington Heights Rd, Arlington Heights, Ill. 60004.

TYRRELL, DR. DONALD J(ACOBSEN), b. Hartford, Conn, Feb. 12, 35; m. 54; c. 3. CHILD PSYCHOLOGY. B.A. Connecticut, 60, M.A. 62, U.S. Pub. Health Serv. fel, 64-65, Ph.D.(child psychol), 66. ASST. PROF. PSYCHOL, Okla. State, 65-67; FRANKLIN & MARSHALL COL, 67- U.S.A. 53-56. Psychol. Asn; Soc. Res. Child Develop. Discrimination learning and cross-model transfer in normal and mentally retarded children. Publ: Co-auth, Five choice discrimination learning by children under simultaneous incentive conditions, Child Develop, 64 & Development of incentive values in childhood, Genetic Psychol. Monogr, 65; auth, Cross-model transfer of oddity learning, Psychonomic Sci, 67. Address: Dept. of Psychology, Franklin & Marshall College, Lancaster, Pa. 17604.

TYSON, DR. GEORGE R(USSELL), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.

TYSON, JAMES L(EVERING), b. New York, N.Y., June 20, 16; m. 52; c. 3. ECONOMICS. A.B. Harvard, 39; N.Y. Univ. Asst. to treas, Time, Inc, 41; res. dir, Time-Life Int, 46-59; mgr. N.Y. off, C-E-I-R, Inc, 59-61; DIR. MKT. RES, Simulmatics Corp, 61-63; INT. BUS. MACH. WORLD TRADE CORP, 64- U.S.N., 42-45. Mkt. Asn; Am. Asn. Pub. Opinion Res; World Asn. Pub. Opinion Res. International market research. Address: International Business Machines World Trade Corp, 821 UN Plaza, New York, N.Y. 10017.

TYSON, PROF. MAZIE O(YLEE), b. Wellborn, Fla, July 23, 01. GEOGRAPHY. B.S. Howard, 21; W. Va. State Col, 31; A.M. Ohio State, 37; summers, Clark, 43-47; scholar, Syracuse, 48-49. Registr, Bethune-Cookman Col, 28-32; teacher, Fla. Agr. & Mech. Col, 35-44; Southern Univ, 44-46; ASSOC. PROF. GEOG, TENNESSEE STATE, 46-, head dept, 47-52. Sequent occupation in Tennessee; relation of geography to other social sciences in Negro schools; Florida phosphate landscape. Address: Dept. of Geography, Tennessee State University, Nashville, Tenn. 37203.

TYSON, PROF. PATRICK JOHN, Geog, see 10th ed, Soc. & Behav. Vols.

TYSON, DR. ROBERT, b. New York, N.Y., Aug. 26, 06; m. 29; c. 1. PSYCHOLOGY. B.A. Yale, 28; Ph.D.(psychol), Vienna, 31. ASST. PROF. PSYCHOL, LEHMAN COL, CITY COL. NEW YORK, 36- U.S.A. 42-46. AAAS; fel. Psychol. Asn. Mental hygiene. Address: Dept. of Psychology, Herbert H. Lehman College, City University of New York, Bedford Park Blvd. W, Bronx, N.Y. 10468.

U

UBER, PROF. HARVEY A(UGUST), b. Milwaukee, Wis, Dec. 8, 92; m. 20; c. 2. GEOGRAPHY, GEOLOGY. Ph.B. Wisconsin, 16, Ph.M. 17; summer, Chicago, 17-30; Ph.D. Marquette, 37. Prof. GEOG. & GEOL, WISCONSIN, MILWAUKEE, 17-67, EMER. PROF, 67- Consult. & adv, Alverno Col, 36-56; consult. & adv. to congressman, 56-61; consult, pub. schs, Wis, 56-61. Award, Am. Asn. Conserv. Info, 57. AAAS; Asn. Am. Geog; Nat. Coun. Geog. Ed. Conservation education; Wisconsin Kettle Moraine area. Publ: Environmental factors in the development of Wisconsin; The terraces of the Wisconsin River between Prairie du Sac and Prairie du Chien; The characteristics of zircon as a means of identifying the origin of gneisses and schists. Address: 3823 N. Maryland Ave, Milwaukee, Wis. 53211.

UDELL, DR. JON G(ERALD), b. Columbus, Wis, June 22, 35; m. 60; c. 4. ECONOMICS, BUSINESS ADMINISTRATION. Instr. bus. admin, Wisconsin, 59-61, asst. prof, 61-65, assoc. prof, 65-66, asst. dir. bur. bus. res, 61-64, dir, 64-66; vis. assoc. prof. bus. & pub. admin, Cornell, 66-67; ASST. DEAN BUS. ADMIN, WISCONSIN, 67- Ford Found. fel. mkt. res, summer, 63. Mem, Assoc. Univs. Bur. Bus. & Econ. Res. Mkt. Asn; Inst. Mgt. Sci. Economic development; consumer behavior; development of a theory on non-price/competitive strategy; economics of the communications industry. Publ: A model of non-price competitive strategy, In: Wisconsin selected papers, Vol. I, No. 1, Bur. Bus. Res. & Serv; An empirical test of hypotheses relating to spans of control, Admin. Sci. Quart, 12/67; The perceived importance of the elements of marketing strategy, J. Mkt, 1/68. Address: University of Wisconsin, 110 Commerce Bldg, Madison, Wis. 53706.

UDOW, DR. ALFRED B(ERNARD), b. Winnipeg, Man, May 4, 17; nat; m. 51; c. 2. PSYCHOLOGY. B.A. McGill, 39, M.Sc. 40; fel, City Col. New York, 42; Ph.D.(psychol), Columbia, 42; N.Y. Univ, 47. Asst. Off. Radio Res. N.Y., 42; asst. dir. res. & supvr. copy res, Benton & Bowles, Inc, 43, 46-47; res. mgr, Foote, Cone & Belding, 47-51; res. supvr, Ted Bates & Co, 51-52; asst. v.pres. media & res, Grey Advert. Agency, 52-53; acct. exec, Emil Mogul Co, 54; gen. mgr, Sterling Advert. Agency, 55-57; acct. res. supvr, Lennen & Newell, Inc, 57-66; SR. MKT. ANALYST, PHILIP MORRIS INC, 67- U.S.A. 43-46, 1st Lt. Fel. Psychol. Asn. Advertising research, especially motivation studies, product evaluation and consumer needs and wants. Address: 3 Bly Court, Great Neck, N.Y. 11023.

UDY, PROF. STANLEY H(ART), JR, b. Washington, D.C., Sept. 16, 28; m. 57; c. 2. SOCIOLOGY. A.B. Princeton, 50, Wilson fel, 50-51, univ. fel, 54-56, Ph.D.(sociol), 58. Asst. instr. SOCIOL, Princeton, 54-56; instr, YALE, 56-59, asst. prof, 59-62, ASSOC. PROF. & ASSOC. DIR. TECH. PROJ, 62- U.S.N., 51-54, Res, 54-60, Lt.(jg). Sociol. Asn; Soc. Appl. Anthropol. Industrial sociology; comparative social institutions. Publ: Organization of work: a comparative analysis of production among nonindustrial peoples; The structure of authority in nonindustrial production organization, Am. J. Sociol; Bureaucratic elements in organizations, Am. Sociol. Rev. Address: Dept. of Sociology, Yale University, New Haven, Conn. 06520.

UEHLING, DR. BARBARA S(TANER), b. Wichita, Kans, June 12, 32; m. 56; c. 2. EXPERIMENTAL PSYCHOLOGY. A.B. Wichita, 54; Soc. Sci. Res. Coun. fel, Northwestern, 54-55, Nat. Sci. Found. fel, 55-56, M.A. 56, Ph.D., 58. Instr. PSYCHOL, Northwestern, 55-57; Emory, 58-59; ASST. PROF, Oglethorpe, 59-66; EMORY, 66- Nat. Inst. Ment. Health fel, 64-66. Psychol. Asn. Verbal learning; physiological psychology. Publ: Effects of d-amphetamine and pentobarbital on vigilance in the rat, Psychonomic Sci, 67; co-auth, Effects of illumination and white noise on rate of electrical stimulation of brain in rats, Psychol. Report, 67; auth, Recall of a serial list as a function of arousal and retention interval, J. Exp. Psychol, 68. Address: Dept. of Psychology, Emory University, Atlanta, Ga. 30322.

UHALLEY, DR. STEPHEN, JR, Mod. Chinese Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

UHL, DR. NORMAN P(AUL), b. Brooklyn, N.Y., May 3, 35; m. 59; c. 4. PSYCHOLOGY, EDUCATION. B.S. Roanoke Col, 57; Nat. Defense Ed. Act fel, Maryland, 61-64, M.A. 63, Ph.D.(ed. psychol), 64. Electronic engr, U.S. Dept. Defense, 57-58, proj. leader sys. eng, 58-60, consult, 60-64; res. coordinator & Nat. Inst. Ment. Health res. grant pupil personnel serv, Maryland, 64-65; asst. prof. psychol. & ed, EMORY, 65-66, DIR. TESTING & EVAL, 66- U.S. Off. Ed. res. grant, 65-66; Ford Found. res. grant, 66-68; Esso Found. res. grant, 68-69. Consult, Atlanta Pub. Schs, Ga, 67- U.S.A., 59. AAAS; Psychol. Asn; Ed. Res. Asn; Asn. Comput. Mach. Identification of cognitive and personality variables associated with success in an academic situation and use of this information to provide more efficient learning. Publ: Co-auth, Relationship between Holland vocational scores and performance measures of high school students, Univ. Maryland, 8/66; auth, Intradimensional and extradimensional shifts as a function of amount of training and shift stimuli, J. Exp. Psychol, 9/66; co-auth, Comparison of three formulae for predicting the amount of shrinkage in the multiple correlation coefficient, Ed. & Psychol. Measurement, in press. Address: Office of Testing & Evaluation, Emory University, Atlanta, Ga. 30322.

UHL, PROF. RAYMOND, b. Mt. Savage, Md, Nov. 14, 08. POLITICAL SCIENCE. A.B. Virginia, 30, A.M. 31; Ph.D. Hopkins, 36. Asst. dir. bur. pub. admin, Virginia, 36-38, acting dir, 38-45; govt. res. dir, State Planning Bd, Md, 46-48; assoc. prof, Hawaii, 48-49; POLIT. SCI, South Carolina, 49-51, prof, 51-57; vis. prof. Minnesota, 57-59; PROF, ARIZONA STATE, 59- Mem, Charter Govt. Cmn, Phoenix, Ariz, 67- Polit. Sci. Asn. Public administration; state and local government. Publ: Personnel administration in South Carolina; Constitutional convention; Plan for the development of Anne Arundel County, Maryland. Address: Dept. of Political Science, Arizona State University, Tempe, Ariz. 85281.

UHLANER, DR. J(ULIUS) E(ARL), b. Vienna, Austria, Apr. 22, 17; U.S. citizen; m. 49; c. 3. PSYCHOLOGY. B.Sc. City Col. New York, 38; fel. & M.Sc. Iowa State, 41; Ph.D.(psychol), N.Y. Univ, 47. Psychologist, off. defense transportation, Off. Emergency Mgt, D.C. 42-44; instr, Miami (Fla), 45; asst. dir. res. & training, State Div. Vet. Affairs, N.Y., 46-47; from chief unit to DIR, BEHAV. SCI. RES. LAB, OFF. CHIEF RES. & DEVELOP, U.S.

DEPT. ARMY, 47- Lectr, George Washington, 49, prof. lectr, 66- Mem. vision cmt, Armed Forces-Nat. Res. Coun, 40-; road user characteristics cmt, Hwy. Res. Bd, Nat. Acad. Sci-Nat. Res. Coun, 53-; driving simulation cmt, 64-; Army Human Factors Res. & Develop. Cmt, 64- Meritorious civilian serv. award, U.S. Dept. Army, 60. U.S.A.A.F., 44-46. Fel. Psychol. Asn; Opers. Res. Soc; Psychonomic Soc; Psychomet. Soc; Human Factors Soc; Int. Asn. Appl. Psychol. Manned-systems research; human performance experimentation; measurement of behavior and research methods and research and development management. Publ: Auth, Development of the Armed Forces qualification test, 52, Systems research—opportunity and challenge, 60 & ed, Psychological research in national defense today, technical report S-1, 6/67, U.S. Army Behav. Sci. Res. Lab. Address: U.S. Army Behavioral Science Research Lab, Washington, D.C. 20315.

UHLENHUTH, DR. E(BERHARD) H(ENRY), b. Baltimore, Md, Sept. 15, 27; m. 52; c. 3. PSYCHIATRY. B.S. Yale, 47; M.D. Hopkins, 51. Instr. PSYCHIAT, SCH. MED, HOPKINS, 56-59, asst. prof, 59-67, ASSOC. PROF, 67- U.S. Pub. Health Serv. career teacher trainee, 57-59, res. scientist develop. award, 62- Assoc. Clin. Psychiatrists' award, 58. AAAS; fel. Col. Neuro-psychopharmacol; Psychiat. Asn; Soc. Gen. Syst. Res. Differential responses to psychiatric treatments in psychoneurotic outpatients. Publ: Co-auth, Drug, doctor's verbal attitude and clinic setting in the symptomatic response to pharmacotherapy, Psychopharmacologia, 9: 392-418, Subjective change with medical student therapists: II determinants in psychoneurotic outpatients, Arch. Gen. Psychiat, (in press) & Indications for minor tranquilizers in anxious outpatients, In: Drugs and the brain, Johns Hopkins, (in press). Address: Dept. of Psychiatry, Johns Hopkins University, Baltimore, Md. 21205.

UHLER, DR. RUSSELL S, b. Fresno, Calif, Aug. 27, 37; m. 59; c. 3. ECONOMICS. B.A. Fresno State Col, 60; Ph.D.(econ), Claremont Grad. Sch. & Grad. Center, 67. Lectr. bus. econ, Claremont Grad. Sch. & Grad. Center, 65-66; ASST. PROF. ECON, BRITISH COLUMBIA, 66- U.S.N. 60-63, Res. Econ. Asn. Theory and applications of econometrics. Publ: The demand for housing: an inverse probability approach, Rev. Econ. & Statist, (in press). Address: Dept. of Economics, University of British Columbia, Vancouver 8, B.C., Can.

UHLINGER, DR. CHARLES WILLIAM, b. New York, N.Y., Feb. 4, 19; m. 44; c. 2. ECONOMICS. B.A. Hofstra Col, 41; B.S. U.S. Merchant Marine Acad, 48; M.A. Columbia, 48; Ph.D. Fordham, 56. Asst. prof. econ, State Univ. N.Y. Maritime Col, 46-56; mem. staff, Indust. Rels. Counsr, 56-60; V.PRES. EMPLOYEE RELS, COLUMBIA GAS SYST. SERV. CORP, 60- Consult, 46-56. Econ. Asn; Indust. Rels. Res. Asn; Soc. Personnel Admin. Labor, employee and business government relations; labor economics. Address: 32 Crocker St, Rockville Centre, N.Y. 11570.

UHR, PROF. CARL GEORGE, b. Sweden, Oct. 20, 11; nat; m. 41. ECONOMICS. B.A. Reed Col, 34; Ph.D.(econ), California, 50. Economist, state agencies, Ore. & Calif, 35-41; Off. Price Admin, Calif, 44-47; asst. prof. econ, San Francisco, 47-51; dir. res. Study Cmn. Unemploy. Ins, 51-53; asst. prof. ECON, CALIFORNIA, RIVERSIDE, 54-58, assoc. prof, 58-64, PROF, 64-, DIR. UNIV. ED. ABROAD PROG, SCANDINAVIAN STUDY CENTER, UNIV. LUND, 66- Consult, State Fedn. Labor, Calif, 53-55; Benefits & Ins. Res. Center, 59-; Calif. Coun. Ed, 59-; Calif. Farm Bur. Fedn, 60; Senate Cmt. Inst. & Financial Insts, Calif, 60-; U.S. Soc. Security Admin, 64- Am. Econ. Asn; fel. Royal Econ. Soc; Econ. Soc. Sweden; Econ. Soc. Finland. History of economic doctrine; monetary theory and public finance; labor and social security economics. Publ: Economic doctrines of Knut Wicksell, Univ. California, 60; Economics in brief, Random, 66; Sweden's social security system, Govt. Printing Off, 66. Address: 5085 Rockledge Dr, Riverside, Calif. 92506.

UHR, DR. LEONARD M(ERRICK), Comput. Sci, Psychol, see 11th ed, Phys. & Biol. Vols.

UHRBROCK, PROF. RICHARD S(TEPHEN), b. Baltimore, Md, Aug. 4, 94; m. 27; c. 2. PSYCHOLOGY. B.S. Carnegie Inst. Tech, 20, M.A., 21; A.M. Columbia, 23, Ph.D.(ed. psychol), 28. Asst. prof. psychol, Wyoming, 24-27, assoc. prof. & dir. personnel, 27-28; asst. prof. psychol. & personnel admin, Cornell, 28-30; head res. dept, indust. rels. div, Procter & Gamble Co, 30-50, assoc. dir. div, 50-57; prof. PSYCHOL, OHIO, 57-64, EMER. PROF, 64- Consult, War Prod. Bd. & War Manpower Cmn, 42-44. U.S.A. 18. AAAS; Psychol. Asn. Test construction; attitude evaluation; interviewing methods. Publ: Recruiting the college graduate; 2000 rating items; Music on the job; its influence on worker morale and production. Address: 22 N. Congress St, Athens, Ohio 45701.

ULAM, PROF. ADAM B, b. Lwow, Poland, Apr. 8, 22; nat. POLITICAL SCIENCE. A.B. Brown, 43; Ph.D.(polit. sci), Harvard, 47. Instr. GOVT, HARVARD, 47-50, asst. prof, 50-54, assoc. prof, 54-59, PROF, 59- Am. Acad. Arts & Sci. Political theory; comparative government. Publ: Unfinished revolution; Bolsheviks, Macmillan, 65; Expansion and coexistence Soviet foreign policy, 1917-1967, 68. Address: 1737 Cambridge St, Cambridge, Mass. 02138.

ULC, DR. OTTO, b. Plzen, Czech, Mar. 16, 30; U.S. citizen; m. 64. COMPARATIVE GOVERNMENT, INTERNATIONAL RELATIONS. LL.D. Charles Univ, Prague, 53; M.A. Columbia, 61, Ph.D.(polit. sci), 64. Asst. judge, Dist. Court, Plzen, Czech. Socialist Repub, 53-56, judge, Plzen & Stribro, 56-59; legal adv, U.S. Army Hq, W.Germany, 59-60; ASST. PROF. POLIT. SCI, Grinnell Col, 64; STATE UNIV. N.Y. BINGHAMTON, 64- State Univ. N.Y. faculty res. fcls, 65 & 66; Regional Coun. Int. Ed. study fel, Taiwan, 67. Czech. Army, 53-55. Polit. Sci. Asn; Asn. Adv. Slavic Studies. Communist studies, especially the field of law and its interaction with politics. Publ: Czechoslovakia's restive jurists, E. Europe, 12/65; Transfer of inheritances, Am. J. Comp. Law, 65; Class struggle and socialist justice, Am. Polit. Sci. Rev, 67. Address: Dept. of Political Science, State University of New York at Binghamton, Binghamton, N.Y. 13901.

ULEHLA, DR. Z(DENEK) JOSEPH, b. Flushing, N.Y., Oct. 13, 31; div. PSYCHOLOGY. B.A. Colorado, 58, Nat. Inst. Ment. Health fcls, 58-59 & 62-63,

M.A. 61, Ph.D.(psychol), 64. Res. assoc. PSYCHOL, DENVER, 64-66, ASST. PROF, 66- U.S.A. 54-57. AAAS; Psychol. Asn. Quantitative theories of perception and judgment processes, especially signal detection theory. Publ: Optimality of perceptual decision criteria, J. Exp. Psychol, 66; co-auth, Signal detection theory applied to conceptual discrimination, 67 & Integration of conceptual information, 67, Psychonomic Sci. Address: Dept. of Psychology, University of Denver, Denver, Colo. 80210.

ULIN, ROBERT P, Econ, see 10th ed, Soc. & Behav. Vols.

ULLIAN, DR. FRIEDA SILBERT, Econ, see 10th ed, Soc. & Behav. Vols.

ULLMAN, DEAN ALBERT D(ANIEL), b. Boston, Mass, Apr. 6, 18; m. 41; c. 5. SOCIOLOGY. A.B. Yale, 40, Ed.M. Harvard, 41, Ph.D., 50. Asst. TUFTS, 46-47, instr. SOCIOL, 47-49, asst. prof, 49-51, assoc. prof, 51-55, PROF, 55-, DEAN COL. LIB. ARTS, 67-, chmn. dept. sociol, 52-65, acting dean col. lib. arts, 66-67. Consult, State Cmn. Alcohol Ed, Vt, 47-49. U.S.N.R., 42-46, Lt. AAAS; Sociol. Asn; Psychol. Asn. Social problems; psychological mechanism of alcohol addiction; the first drinking experience of additive and of normal drinkers. Publ: To know the difference; Socio-cultural foundations of personality, Houghton, 65. Address: Dept. of Sociology, Tufts University, Medford, Mass. 02155.

ULLMAN, PROF. EDWARD LOUIS, b. Chicago, Ill, July 24, 12; m. 42; c. 2; m. 68. GEOGRAPHY. S.B. Chicago, 34, Ph.D.(geog), 42; A.M. Harvard, 35. Instr. Wash. State Col, 35-37; Indiana, 41; chief transport sect, Off. Strategic Serv, 42-43; U.S. Maritime Cmn, 46; from asst. prof. to assoc. prof. regional planning, Harvard, 46-51; PROF. GEOG, WASHINGTON (SEATTLE), 51-, assoc. dean grad. sch, 61-65. Fulbright res. prof, Rome, 56-57; lectr, Univ. Col. London & Vienna, 57; vis. prof, Washington (St. Louis), 59-61; Moscow State, 65; Salzburg Seminar Am. Studies, Austria, 65. Summer vis. prof, McGill, 50. Dir. Meramec Basin Res. Proj, 59-62; pres, Wash. Center Metrop. Studies, D.C. 65-66. Consult, Boston Globe, 48-50; res. & develop. bd, U.S. Dept. Defense, 49-52; Stanford Res. Inst, P.I. 56; European Prod. Agency, OEEC, Italy, 57; U.S. Dept. Commerce, Calif, 58-59; Asian Develop. Bank, 68. Mem. U.S. del. Sweden, 60; Int. Geog. Union; Am. Coun. Learned Soccs, 50-54; behav. sci. div, Nat. Acad. Sci, 68-71. U.S.N.R., 43-46, Lt. Asn. Am. Geog.(citation, 58); Regional Sci. Asn.(pres, 60-61); cor. mem. Italian Soc. Geog.(citation, 59). Transportation and urban geography; area development; geographic theory. Publ: American commodity flow and rail traffic; The Meramec Basin, water and economic development; The nature of cities reconsidered, Proc. Regional Sci. Asn, 62. Address: Dept. of Geography, University of Washington, Seattle, Wash. 98105.

ULLMAN, DR. MONTAGUE, b. New York, N.Y., Sept. 9, 16; m. 41; c. 3. PSYCHIATRY. B.S. City Col. New York, 34; M.D. N.Y. Univ, 38; N.Y. Med. Col, 46-48. Training analyst & mem. psychoanal. faculty, N.Y. Med. Col, 50-62; PROF. PSYCHIAT, STATE UNIV. N.Y., 63-; DIR. PSYCHIAT, COMMUNITY MENT. HEALTH CENTER, MAIMONIDES MED. CENTER, 67-, Maimonides Hosp. Brooklyn, 61-67. Dir. clin. retarded children, Putnam County, N.Y., 57-61. Consult. ment. hyg. & psychiat, Skidmore Col, 57- Fel. AAAS; Soc. Psychical Res.(v.pres, 63-64); Group Adv. Psychiat; fel. Psychiat. Asn; fel. Acad. Psychoanal. Community psychiatry; dream research; extrasensory communication; behavioral changes in stroke patients. Publ: Behavioral changes in patients following strokes, C.C. Thomas, 62; On the transition from private practice to general hospital psychiatry, 4/66 & An experimental approach to dreams and telepathy: methodology and preliminary findings, 6/66, Arch. Gen. Psychiat. Address: Community Mental Health Center, Maimonides Medical Center, 4802 Tenth Ave, Brooklyn, N.Y. 11219.

ULLMAN, MORRIS B(ENJAMIN), b. Buffalo, N.Y., Oct. 10, 12; m. 38; c. 2. STATISTICS. B.A. Buffalo, 34; M.A. American Univ, 44. STATISTICIAN, U.S. Bur. Census, 37-60; U.S. Bur. Budget, 60-67; U.S. OFF. ED, 67- Sr. mem. econ. adv. staff, Israel, 53-54; UN statist. adv, Israel, 56-57. Fel. AAAS(secy, Sect U, 62-66); Statist. Asn; Pop. Asn. Sources of statistical activities. Publ: 1950 censuses, how they were taken; Historical statistics of the United States, 1789-1945; Content of the 1959 U.S.S.R. census of population. Address: 7604 Cayuga Ave, Bethesda, Md. 20034.

ULLMAN, DR. RICHARD HENRY, b. Baltimore, Md, Dec. 12, 33; m. 59; c. 2. POLITICAL SCIENCE. A.B. Harvard, 55; Rhodes scholar. & B.Phil, Oxford, 57, D. Phil.(polit), 60. Res. fel. European hist, St. Antony's Col, Oxford, 58-59; instr. govt, Harvard, 60-63, asst. prof, 63-65; ASSOC. PROF. POLIT. & INT. AFFAIRS, PRINCETON, 65- Spec. asst. to Dep. Asst. Secy. Defense Policy Planning & Arms Control, 67-68; consult, Asst. Secy. Defense, 67- Polit. Sci. Asn; Hist. Asn. Making of foreign and defense policies; international politics. Publ: Intervention and the war, 61 & Britain and the Russian civil war, 68, Princeton. Address: Woodrow Wilson School, Princeton University, Princeton, N.J. 08540.

ULLMAN, PROF. ROY A(OLAND), b. Harriettsville, Ohio, Apr. 5, 02; m. 26; c. 4. PSYCHOLOGY. A.B. Ohio, 25; M.A. Ohio State, 26; Ph.D.(ed. psychol), Michigan, 30. Asst. ed, Michigan, 26-29; prof. psychol. & head dept. ed, Ashland Col, 29-39; assoc. prof. ED, Lenoir-Rhyne Col, 39-42, PROF, 46-47; Wittenberg Col, 47-50; LENOIR-RHYNE COL, 50- U.S.A. 42-46, Capt. Fel. Psychol. Asn. Child psychology; personality development; guidance. Publ: Prognostic value of certain factors related to teaching success. Address: Dept. of Education, Lenoir-Rhyne College, Hickory, N.C. 28601.

ULLMANN, DR. CHARLES A(LEXANDER), b. New York, N.Y., Oct. 28, 12; m. 38; c. 2. PSYCHOLOGY. B.S.S. City Col. New York, 32, M.S. 35; Ed.D. Columbia, 48. Psychologist, Children's Village, 36-41; manpower analyst, U.S. Dept. Army, 46-48; psychologist, U.S. Pub. Health Serv, 48-54; training dir, U.S. Civil Serv. Cmn, 54-62; dir. gen. serv. inst, Gen. Serv. Admin, D.C. 62-66; RES. PSYCHOLOGIST, U.S. DEPT. DEFENSE, 66- Instr. Vermont, 50; Hopkins, 51-52; Maryland, 50; Virginia, 53-54; George Washington, 54-, prof. lectr, 66-; instr. American Univ, 54-60; Southern California, 57; Pakistan Proj, 61. Meritorious serv. award, U.S. Civil Serv. Cmn, 61; Gen. Serv. Admin, 64; Training Officers Conf. distinguished serv. award, 59, 64. U.S.A. 41-46, Col. AAAS; fel. Psychol. Asn. Mental health; career development. Publ: Identification of maladjusted school children, Pub. Health

Monogr; A note on predicting manpower resources from health and educational data, Milbank Mem. Fund Quart; Management intern programs. Address: 3401 N. Randolph St, Arlington, Va. 22207.

ULLMANN, DR. HEDI, Psychol, Sociol, see 10th ed, Soc. & Behav. Vols.

ULLMANN, PROF. JOHN E (MANUEL), b. Vienna, Austria, Dec. 25, 23; U.S. citizen; m. 53; c. 2. INDUSTRIAL ENGINEERING. B.Sc. London, 48; M.S. Columbia, 51, Ph.D. (industrial eng.), 59. Plant engr, Nat. Gas & Oil Engine Co, Ltd, 41-48; Worthington Corp, 48-50; design engr, Ford, Bacon & Davis, Inc, 50-51; asst. proj. engr, Bechtel Corp, 51-54; planning engr, Bulova Res. & Develop. Labs, 54-57; lectr. indust. eng. Columbia, 57-58; asst. prof. econ. of eng, Stevens Inst. Tech, 58-61; PROF. MGT. & CHMN. MGT. MKT. & BUS. STATIST. HOFSTRA, 61- Consult, Gen. Elec. Co, 57-59 & 60-61; New York City Planning Cmn, 60. Industrial planning; operations research; statistics; urban and regional planning; peace research. Publ: Co-auth, Manufacturing management: an overview, Holt, 69; auth, Economics of nuclear power, In: Advances in nuclear power, Vol. I, Academic, 62; Conversion prospects of the defense electronics industry, In: Hofstra Yearbook Business, 64. Address: Dept. of Management, Marketing & Business Statistics, Hofstra University, Hempstead, N.Y. 11550.

ULLMANN, PROF. LEONARD P (AUL), b. New York, N.Y., May 28, 30; m. 51; c. 2. PSYCHOLOGY. A.B. Lafayette Col, 51; A.M. Stanford, 53, Ph.D. (psychol), 55. Vet. Admin. clin. psychol. trainee, 52-56, coordinator, psychiat. eval. proj, Vet. Admin. Hosp, 56-63; vis. assoc. prof. PSYCHOL, ILLINOIS, URBANA, 63-64, assoc. prof. 64-66, PROF, 66- Asst. prof, San Jose State Col, 56-63. AAAS; fel. Psychol. Asn; Soc. Res. Child Develop. Behavior modification of clinical problems through social influence. Publ: Co-auth, Research in behavior modification, 65 & Case studies in behavior modification, 65, Holt; auth, Institution and outcome, Pergamon, 67. Address: Dept. of Psychology, University of Illinois, Urbana, Ill. 61801.

ULLRICH, PROF. FRANCIS J (OSEPH), b. Brooklyn, N.Y., Jan. 11, 13. ECONOMICIS. M.A. Fordham, 47, Ph.D. (econ), 56. Instr. econ. & sociol, Marywood Col, 39-42; ECON, MANHATTAN COL, 46-51, asst. prof, 51-56, assoc. prof, 56-64, PROF, 64- Mil. Intel, 42-45, Sgt. Econ. Asn. Address: 27 Hillcrest Ave, Ardsley, N.Y. 10502.

ULLRICH, DR. OSCAR A (LVIN), b. New Baden, Tex, Aug. 29, 91; m. 21; c. 1. PSYCHOLOGY. Ph.D. (psychol. & ed), Texas, 26. Prof. ed, SOUTHWESTERN (TEX), 20-33, ed. & psychol, 33-43, psychol, 43-58, dean COL. ARTS & SCI, 26-64, EMER. DEAN, 64- U.S.A., 17-19, 2nd Lt. AAAS; Psychol. Asn. Experimental psychology; counseling and guidance. Publ: Effects of required themes on learning & Experimental study of methods of reviewing lessons of previous day, J. Ed. Res. Address: 1414 S. College St, Georgetown, Tex. 78626.

ULMAN, DR. LLOYD, b. New York, N.Y., Apr. 22, 20; m. 48. LABOR ECONOMICIS, INDUSTRIAL RELATIONS. A.B. Columbia, 40; A.M. Wisconsin, 41; fel, 49-50; Ph.D. Harvard, 50. Asst. prof. ECON, Minnesota, 50-52, assoc. prof, 52-55, PROF, 55-58; CALIFORNIA, BERKELEY, 58- DIR. INST. INDUST. RELS, 63- Soc. Sci. Res. Coun. fel, 52-55; vis. lectr, Harvard, 57-58; Guggenheim Found. fel, 66-67. Sr. labor economist, Coun. Econ. Adv. D.C, 61-62. Consult, Fed. Reserve Bd, 66-; mem. adv. panel, President's Review Cmt. on Fed. Employee-Mgt. Rels, 67- U.S.N, 42-46, Lt. Econ. Asn; Indust. Rels. Res. Asn. Economic effects of collective bargaining; trade union history, structure and government. Publ: The rise of the national trade union; Collective bargaining in the modern period, In: American economic history; Labor mobility and the industrial wage structure in the postwar United States, Quart. J. Econ, 2/65. Address: 776 Creston Rd, Berkeley, Calif. 94708.

ULMER, PROF. MELVILLE J (ACK), b. New York, N.Y., May 17, 11; m. 37; c. 2. ECONOMICIS. B.S. N.Y. Univ, 37, M.A. 38; Ph.D. (econ), Columbia, 48. Lectr. econ. & statist, American Univ, 43-48, adj. prof. ECON, 48-50, assoc. prof, 50-52, PROF, 52-61, chmn. dept, 54-61; MARYLAND, 61- Res. assoc, Nat. Bur. Econ. Res, 50-60; lectr, Indust. Col. Armed Forces, 54-; Fulbright prof, Netherlands Sch. Econ, 58-59, vis. prof, 65-66; Merrill Found. fel, 59; sr. Fulbright lectr. award, 58-59 & 65-66; Wilton Park fel, Sussex, Eng, 66; vis. Am. lectr, Int. People's Col, Denmark, 66. Consult, Pan-Am. Union, 55; gen. serv. admin, U.S. Dept. Commerce; Nat. Sci. Found; econ. consult, U.S. Bur. Budget, 67-; State of Calif, 67- Chief gen. price res. sect, U.S. Bur. Labor Statist, 40-45; financial orgn. sect, U.S. Dept. Commerce, 46-48; asst. chief reports div, Smaller War Plants Corp, 45-46. Ed, Surv. of Current Bus, 48-50. Univ. medal, Brussels, 59. Fel. AAAS; Econ. Asn; Economet. Soc; Statist. Asn. Tax policy; welfare; economic stabilization; economic theory; public policy and economic planning. Publ: Economics: theory and practice; Capital in transportation, communications and public utilities; Economic theory of cost of living index numbers. Address: 10401 River Rd, Potomac, Md. 20854.

ULMER, DR. RAYMOND ARTHUR, b. Chicago, Ill, Nov. 15, 23. CLINICAL PSYCHOLOGY. M.S. Chicago, 49; California, Los Angeles, 51-53; Ph.D. (psychol), La. State, 65. Psychiat. attend, Sawtelle Vet. Admin. Hosp, Calif, 48; staff psychologist, Jewish Voc. Serv, Calif, 57-61; ASST. PROF. speech path, California, Los Angeles, 64-65; PSYCHOL, CALIF. STATE COL. LOS ANGELES, 65- Staff psychologist, Exec. Unltd, Calif, 57-59; consult, speech & hearing clin, La. State Univ, 61-64; Human Rels. Cmn. Los Angeles County, 65-66; Soc. Security Disability Cmn. & Calif. State Dept. Rehab, 65- U.S.A.A.F, 43-46. Psychol. Asn; Interam. Soc. Psychol. Diagnosis and treatment, especially operant conditioning techniques, with normal and disturbed personality functioning; perception of past, present and future time dimensions. Publ: An objective time-dimensional perception measure grouping past, present, and future time concepts, Richardson Found, 68; co-auth, Abnormal psychology: an eclectic, empirical approach, McGraw, 69 & The children's minimal social behavior scale (CMSBS): a short, objective measure of personality functioning (ten-year-level), Psychol. Reports, 68. Address: 1632 N. Laurel Ave, Apt. 238, Los Angeles, Calif. 90046.

ULMER, PROF. S (HIRLEY) SIDNEY, b. North, S.C., Apr. 15, 23; m. 45; c. 5. POLITICAL SCIENCE, ECONOMICIS. B.A. Furman, 52; Rockefeller Found.

Gen. Ed. Bd. fel, 52-53; M.A. Duke, 54, Ottis Green fel, 55-56, Ph.D., 56. Instr. POLIT. SCI, Duke, 54-55; Mich. State, 56-58; asst. prof, 58-61, assoc. prof, 61-63, acting head dept, 61-62; PROF. & CHMN. DEPT, KENTUCKY, 63- Res. grants, Inst. Am. Freedoms, 66-69 & Soc. Sci. Res. Coun, 68-69; summers, instr, Houston, 56, Soc. Sci. Res. Coun. grant, Wisconsin, 58. Mem. screening cmt. post doctoral felts, Nat. Sci. Found, 65-67; chmn. exec. coun, Inter-Univ. Consortium Polit. Res. Sig.C, 42-43; U.S.A.A.F, 43-45, Sgt. Polit. Sci. Asn. Public law; American political organizations; political theory; concepts and methods of the behavioral sciences in researching the judicial and political processes. Publ: Introductory readings in political behavior; co-auth, Mathematical applications in political science Southern Methodist Univ, 66; auth, Supreme Court behavior in racial exclusion cases 1936-1960, Am. Polit. Sci. Rev, 62. Address: Dept. of Political Science, University of Kentucky, Lexington, Ky. 40506.

ULREY, DR. ORION, b. Martinsville, Ill, Mar. 26, 02; m. 37; c. 1. AGRICULTURAL ECONOMICIS. B.S. Illinois, 23; Ph.D. (agr. econ), Cornell, 34; Minnesota, 26. Asst. prof. AGR. ECON, MICH. STATE, 28-40, ASSOC. PROF, 40- Fulbright lectr, Peshawar, 54-55; adv. univ, Missouri prog. in India, 58-62. Spec. asst. to chief, bur. agr. econ, U.S. Dept. Agr, 45-46. Agr. Econ. Asn. Rural development; cooperatives; marketing. Address: Dept. of Agricultural Economics, Michigan State University, East Lansing, Mich. 48823.

ULRICH, PROF. ROGER ELWOOD, b. Peoria, Ill, Aug. 30, 31; m. 59; c. 3. EXPERIMENTAL PSYCHOLOGY. B.S. N.Cent. Col. (Ill), 53; M.A. Bradley, 56; Illinois, 56-58; Ph.D. (psychol), Southern Illinois, 61; Indiana, 62. Couns. Bradley, 55; admin. asst, Ill. Wesleyan, 56-58, instr. introductory psychol, 59; instr. prog. ed. recreation, Ill. Soldier's & Sailor's Children, 58; couns. Southern Illinois, 58; clin. psychologist, Anna State Hosp, 59, asst. BASIC RES, 60; chmn. dept, Ill. Wesleyan, 61-65; head dept, WESTERN MICHIGAN, 65-67, RES. PROF, 67- U.S.N.R., 54. AAAS; Psychol. Asn; Psychonomic Soc. Experimental analysis of animal and human social behavior, especially aggression and avoidance; early human learning. Publ: Co-auth, Control of human behavior, Scott, 66. Address: Behavior Research Lab, Western Michigan University, Kalamazoo, Mich. 49001.

ULSETH, DR. GEORGE W (ALTER), b. Bronson, Minn, May 29, 18; m. 44. ACCOUNTING, BUSINESS ADMINISTRATION. B.S.C. North Dakota, 43, M.A., 54, J.D., 48; Minnesota, Minneapolis, 59-64. Clerk, Implement Dealers Mutual Ins. Co, 36-38; ins. & real estate broker, 38-43 & 46-48; lawyer, 48-57; cert. pub. acct, 57-59; instr. acct, Minnesota, Minneapolis, 59-64, lectr, 63-64; assoc. prof. econ, WIS. STATE, EAU CLAIRE, 64-66, PROF. ACCT. & CHMN. DEPT, 66-; bd. regents res. grant, 67, teacher improv. grant, 68. Mem. ed. cmt, Nat. Inst. Real Estate Brokers, 56-57; dir, Am. Inst. Property & Casualty Underwriters, 60; mem. cmt. relationship with acct, World Peace Through Law Center, 67-68. U.S.A., 43-46, 1st Lt. Finance Asn; Econ. Asn; Am. Acct. Asn; Risk & Ins. Asn. Excess and surplus lines insurance; financial aspects of corporation law; managerial reports in the insurance industry. Publ: Auditors' guide to verification of insurance, Univ. North Dakota, 54; Minnesota real estate manual, State Document Div, Minn, 65 & 67; Real estate study guide, Univ. Minnesota, 67. Address: Dept. of Accounting, Wisconsin State University, Eau Claire, Wis. 54701.

ULTON, SISTER M. PAULETTE, Sociol, see 10th ed, Soc. & Behav. Vols.

UMBECK, PRES. SHARVY G (REINER), b. Kankakee, Ill, Oct. 17, 12; m. 36; c. 4. SOCIOLOGY. A.B. Elmhurst Col, 33, L.L.D., 67; A.M. Chicago, 38, Ph.D., 40; L.L.D., Bradley, 60. Asst. prof. sociol, Col. William & Mary, 38-42; assoc. prof, KNOX COL (ILL), 42-45, prof. & chmn. dept, 45-49, PRES, 49-; dean, 46-49. Chmn. Am. Coun. Ed, 67-68. Sociol. Asn. Sociology of religion. Address: Office of the President, Knox College, Galesburg, Ill. 61401.

UMBREIT, PROF. M (YRON) H (ENRY), b. Trenton, Wis, Aug. 19, 94; m. 25. BUSINESS ECONOMICIS. A.B. Lawrence Col, 18; A.M. Wisconsin, 25; Ph.D. Northwestern, 31. Mem. faculty, NORTHWESTERN, 27-38, assoc. prof. econ. & pub. utilities, 38-49, chmn. dept. BUS. ECON, 49-62, prof, 49-62, EMER. PROF, 62- Lectr, Armour Inst, 27-31; dir, Chicago Div. Sch. Commerce, 41-51. Econ. Asn. Principles and fundamentals of economics. Publ: Co-auth, Modern economic problems. Address: 2111 Ridge Ave, Evanston, Ill. 60201.

UMSTOTT, HAVEN D (AWSON), b. Keyser, W.Va, Jan. 21, 17; m. 38; c. 3. ECONOMICIS, SOCIOLOGY. B.S. West Virginia, 37, M.A., 40; Ohio State, 41; American Univ, 43; Yale, 49. Teacher, high sch, W.Va, 37-39; auditor, U.S. Govt, 39-40; instr. econ, West Virginia, 40-41; financial officer, W.Va. State Schs, 41-42; economist, U.S. Govt, 42-44, econ. requirements specialist, 44-47; dir. & pres, AADTA, Inc, 47-55; ECONOMIST, U.S. GOVT, 55- Mem. Secy. Agr. Feed Grain Study Cmt, 57. U.S.A., 44-46, 1st Lt. Econ. Asn; Agr. Econ. Asn. Potentials for market expansion of agricultural products and byproducts; new crops in food, feed and industrial uses. Publ: Bulgur, a new wheat food product: market position and consumer acceptance; Farm mortgage indebtedness in the United States; Impact of technical assistance on economic development of developing countries. Address: 1518 N. Ivanhoe, Arlington, Va. 22205.

UNDERBERG, DR. RITA POSNER, b. New York, N.Y., Nov. 16, 26; m. 51; c. 2. EDUCATIONAL PSYCHOLOGY. B.S. Queens Col. (N.Y.), 48; M.A. City Col. New York, 49; Ph.D. Rochester, 58. Intern. psychol, Connecticut State Hosp, 49-50; clin. psychologist, St. Lawrence State Hosp, Ogdensburg, N.Y., 50-53; trainee psychol, Vet. Admin. Hosps, N.Y. & Mich, 53-56; sch. psychologist, ment. health clin. serv, Rochester Bd. Ed, 56-66; CLIN. ASSOC. PSYCHOL, UNIV. ROCHESTER & MED. CENTER, 66- Psychol. Asn. Adjustment problems in the visually disabled, especially in the child; problems of society's and parental attitudes to disability. Publ: Co-auth, Factors relating to adjustment to visual disability in adolescence, New Outlook Blind; Development and testing of an attitude to blindness, J. Soc. Psychol; Adjustment to visual disability in adolescence, Am. Found. Blind Bull. Address: 37 Modelane, Rochester, N.Y. 14618.

UNDERHILL, DR. H(AROLD) FABIAN, b. Vancouver, Can, May 19, 09; nat; m. 42; c. 2. ECONOMICS. B.A., British Columbia, 30; Ph.D.(econ), California, 35. Instr. ECON, Illinois, 37-42; ASSOC. PROF. INDIANA, 46-, ASST. CHMN. DEPT, 67- Dist. economist, Off. Price Stabilization, Ind, 51-52. U.S.A., 42-46. Econ. Asn; Indust. Rels. Res. Asn. Labor economics; Industrial relations. Publ: Pre-war personnel practices in Illinois; Incidence of payroll taxes; Recent Canadian labor relations legislation. Address: Dept. of Economics, Indiana University, 518 N. Delaware, Indianapolis, Ind. 46204.

UNDERHILL, DR. RUTH MURRAY, b. Ossining, N.Y., Aug. 22, 84; m. ETHNOLOGY. A.B., Vassar Col, 05; Ph.D.(Am. Indian), Columbia, 34; hon. LL.D., Denver, 62; hon. D.Sc., Colorado, 65. Asst. soil conservationist, U.S. Dept. Agr., 33-34; asst. supvr. Indian ed., U.S. Indian Serv., 34-42, supvr., 42-48; prof. ANTHROP., DENVER, 48-52; EMER. PROF., 52-; WRITER & LECTR., 52- Mem. faculty, N.Y. State Teachers Col. New Paltz, 54-55; Colo. Women's Col., 60-61; Colorado, 61. Fel. AAAS; fel. Anthropol. Asn; Sociol. Asn. American Indians; primitive religion. Publ: First came the family, Morrow, 58; Antelope singer, McCann, 61; Red man's religion, Univ. Chicago, 65. Address: 2623 S. Clayton St., Denver, Colo. 80210.

UNDERWOOD, PROF. BENTON J., b. Center Point, Iowa, Feb. 28, 15; m. 39; c. 2. PSYCHOLOGY. B.A., Cornell Col, 36, hon. D.Sc., 66; summer, Oregon, 39; M.A., Missouri, 40; Ph.D.(psychol.), Iowa, 42. Lectr. exp. psychol., George Washington, 45-46; asst. prof. PSYCHOL., NORTHWESTERN, 46-48, assoc. prof., 48-52, PROF., 52-, CHMN. DEPT., 67- Mem. res. eval. panel, Nat. Sci. Found., 53-57; pres. fel. Northwestern, 56-57; mem. exp. psychol. rev. panel, Nat. Inst. Ment. Health, 64-67. U.S.N.R., 43-46. AAAS; Psychol. Asn; Soc. Exp. Psychol. Human learning and retention. Address: Dept. of Psychology, Northwestern University, Evanston, Ill. 60201.

UNDERWOOD, PROF. (ROBERT) BRUCE, b. Tulsa, Tex. JOURNALISM. B.S., Southern Methodist, 36; M.A., Stanford, 54; Ph.D.(journalism), Missouri, 65. Reporter, Dallas Dispatch, Tex., 34-35; dir. journalism & pub. high sch., 35, pub. rels., journalism & pub. Univ. San Antonio, 35-36; pub. & ed. Mercedes News-Tribune, Tex., 36-37; reporter & rewrite man, Brownsville Herald, 37; prin. elem. schs., 37-38; supt. El Jardin Independent Sch. Dist., Brownsville, 38-42; inst. Eng. Texas Christian, 46; assoc. prof. journalism & dir. news serv., Houston, 46-62; res. fel. journalism, Mex., 62-64; Fulbright-Hays lectr., Navarra, 64-65; assoc. prof. COMMUN., Cornell, 65-66; PROF. TEMPLE, 66-, HEAD DEPT. JOURNALISM, 68- U.S. rep. UNESCO Conf. Econ. & Financial Journalism, France, 65. U.S.A.F., 42-46, 51-52, Res., 52- Maj. Soc. Journalism Sch. Adminstr. (pres., 59); Asn. Ed. Journalism. College public relations; mass communications in Mexico; international communications. Publ: The first university instruction in journalism, Bull. No. 5, Cornell Univ., 68. Address: Dept. of Journalism, Temple University, Philadelphia, Pa. 19122.

UNDERWOOD, PROF. EDWARD S(EYMOUR), b. Cambridge, Mass., Nov. 16, 09; m. 39; c. 3. PSYCHOLOGY. A.B., Harvard, 32, A.M., 39, Ed.M., 48; Ed.D. (ed. measurement), Boston, 54. Master, Middlesex Sch., Mass., 32-36; teacher & acting dir., Undersood Sch., 37-39, dir., 46-48; teacher, pub. schs., Ill., 39-42; instr., Trinity (Tex.), 46; asst. prof. & chmn. bd. exam., Boston, 48-60; PROF. PSYCHOL., CHMN. DEPT. PSYCHOL. & CHMN. CMT. AD-MISSIONS, BENTLEY COL. ACCT. & FINANCE, 60- U.S.A.A.F., 42-46, U.S.A.F.R., 46-65, Lt. Col. Psychol. Asn; Acad. Polit. & Soc. Sci; Nat. Coun. Measurement in Ed. Remedial and developmental reading; test construction and validation. Publ: Basic study skill, Allyn & Bacon, 58. Address: Dept. of Psychology, Bentley College of Accounting & Finance, Boston, Mass. 02115.

UNDERWOOD, PROF. F(LOY) L(EE), Agr. Econ, see 10th ed, Soc. & Behav. Vols.

UNDERWOOD, DR. FRANCES W(ENRICH), b. Philadelphia, Pa., Apr. 10, 17; m. 42. SOCIAL ANTHROPOLOGY. B.A., Pennsylvania, 38, 39-40; Bryn Mawr Col., 40-41; Ph.D.(anthrop.), Yale, 48. Instr. sociol., Connecticut, 48-51; lectr. ANTHROP., Stanford, 53-64; ASST. PROF., SAN JOSE STATE COL., 64- Evaluator, Title III proj., 66-67. Fel. Anthropol. Asn. Peasant culture; ethnological theory; culture and personality; mythology and folklore. Publ: Marketing system in peasant Haiti; Land and its manipulation among the Haitian peasantry; co-auth. A comparison of socialization in two simple societies. Address: 1165 Francisco Ave., San Jose, Calif. 95126.

UNDERWOOD, DR. ROBERT MARSHALL, b. Ravenna, Ohio, Mar. 27, 24; m. 46; c. 2. GEOGRAPHY. A.B., Houghton Col., 49; M.A., Kentucky, 50; Ed.D. (geog.), Colo. State Col., 64. Prin. Mt. Tabor Christian High Sch., W.Va., 52-53; asst. prof. ed., Cedarville Col., 53-61, dir. admissions & registr., 57-61; teacher & supvr. high sch., Ohio, 61-62; prof. soc. sci., Bethel Col., 64-68; ASSOC. PROF. GEOG., WIS. STATE, WHITEWATER, 68- Mem. staff, Nat. Defense Ed. Act Inst. Geog., Wis. State, Whitewater, 66, vis. prof., 67; participant, Adv. Study Inst. Geog., Illinois, 68. U.S.A.A.F., 43-46. Asn. Am. Geog.; Nat. Coun. Geog. Ed; Nat. Coun. Soc. Studies. Factors affecting the teaching of geography in Colorado high schools; geography education; simulation games in geography. Address: Dept. of Geography, Wisconsin State University, Whitewater, Wis. 53190.

UNGER, LEONARD, b. San Diego, Calif., Dec. 17, 17; m. 44; c. 5. GEOGRAPHY. A.B., Harvard, 39. Mem. staff land cmt., Nat. Resources Planning Bd., 39-41; mem. post-war planning group, off. geogr., U.S. DEPT. STATE, 41-44, econ. progs. for liberated areas in South. Europe, 44-46, asst. chief South. European div., 47-50, polit. adv. to Commanding Gen., Anglo-Am. Zone, Free Territory Trieste, 50-52 & to commander-in-chief, NATO, Italy, 52-53, officer-in-charge polit.-mil. affairs, Off. European Regional Affairs, European Bur., 53-58, dep. chief mission, U.S. Embassy, Bangkok, Thailand, 58-62, ambassador, Vientiane, Laos, 62-65, dep. asst. secy. state E.Asian & Pac. affairs, D.C., 65-67, AMBASSADOR, BANGKOK, 67- Econ. rep., U.S. del. Cmn. Invest. Italo-Yugoslav Frontier, 46; mem. U.S. del. Coun. For. Ministers, London, Paris, New York & Conf. of Paris, 46; int. secy., Trieste Cmn. Inquiry, 47, U.S. rep., Trieste negotiations, London, 54. Distinguished honor award, U.S. Dept. State, 65. Asn. Am. Geog.; Am. Geog. Soc. Political geography; international relations, especially Mediterranean area and South-

east Asia; politico-military problems; demographic studies. Publ: Chinese in Southeast Asia, Economy of the Free Territory of Trieste & Rural settlement in the Campania, Geog. Rev. Address: Dept. of State, Washington, D.C. 20520.

UNGER, DR. RHODA KESLER, b. Brooklyn, N.Y., Feb. 22, 39; m. 66. PSYCHOLOGY. B.A., Brooklyn Col., 60; Radcliffe Col. fel., Harvard, 60-61, Nat. Inst. Ment. Health fel., 61-64, A.M., 64, Ph.D.(exp. psychol.), 66. Res. assoc. physiol. sch. med., Yale, 64-65; ASST. PROF. PSYCHOL., HOFSTRA, 66- Lectr., Northeastern, 65-68. Behavioral analysis of caudate nucleus and other basal ganglia lesions in various mammalian species, including rats and men; attack and aggression areas in the hypothalamus of cats. Address: 101 Firwood Rd., Port Washington, N.Y. 11050.

UNGER, DR. SANFORD M(ARTIN), b. New York, N.Y., May 4, 31; m. 51; c. 3. PSYCHOLOGY. B.A., Antioch Col., 53; M.A., Cornell, 55, Grant Found. fel., 57-58, univ. fel., 58-59, Ph.D.(human develop.), 60. Asst. Cornell, 53-54, 56-57; mem. faculty, Shimer Col., 59-60; res. psychologist, psychol. lab, Nat. Inst. Ment. Health, 60-65; chief psychosoc. res. Friends of Psychiat. Res., Inc., 65-68; CHIEF PSYCHOL. RES., MD. STATE PSYCHIAT. RES. CENTER, 68- Instr. sch. med., Hopkins, 67- U.S.A., 54-56. Neuropsychology; experimental psychotherapy; lysergic acid diethylamide tartrate-type drugs. Publ: Habituation of the vasoconstrictive orienting reaction, J. Exp. Psychol., 67: 11-18; A behavior theory approach to the development of guilt reactivity in the child, J. Child Psychol. & Psychiat., Vol. 5: 85-101; Psychedelic therapy and LSD-type drugs, In: Vol. III, Research in psychotherapy, Am. Psychol. Asn., 68. Address: Route 97, Glenwood, Md. 21738.

UNGS, DR. THOMAS DALE, b. Dyersville, Iowa, Oct. 3, 29; m. 55; c. 4. POLITICAL SCIENCE. B.A., Iowa, 51, M.A., 52, Ph.D.(polit. sci.), 57. Asst. prof. POLIT. SCI., North Dakota, 57-60; WICHITA STATE, 60-64, ASSOC. PROF., 64- U.S.A., 62-64. Polit. Sci. Asn. Judicial behavior and processes. Publ: Co-auth. American Political patterns, Little, 67. Address: Dept. of Political Science, Wichita State University, Wichita, Kans. 67208.

UNKOVIC, DR. CHARLES MARION, b. Bellevue, Pa., Mar. 14, 22; m. 55; c. 2. SOCIOLOGY. B.A., Pittsburgh, 50, M.A., 51, Ph.D.(sociol.), 61. Asst. field dir., Am. Red Cross, New Cumberland, Pa., 51-52; probation officer, Allegheny County Juvenile Court, Pa., 52-57; dir. soc. serv., West. State Penitentiary, Pa., 57-61, asst. prof. SOCIOL., Duquesne, 61-62; assoc. prof., Pa. State Col., 62-63; Bowling Green State, 63-66; Cleveland State, 66-68; PROF. & CHMN. DEPT., FLORIDA TECH., 68- Guest lectr., Teacher Inst. Parent Conf., Toledo, Ohio, 66; proj. dir., U.S. Dept. Justice law enforcement grant & Dept. Health Ed. & Welfare aim grant, 66-67; dir. res., Young Family Serv. & Community Action for Youth, Cleveland, Ohio, 66-67. U.S.A., 42-45. Sociol. Asn; Correctional Asn; Asn. Ment. Deficiency. Social deviancy; mental retardation; medical sociology. Publ: Hazelwood survey, Duquesne Univ., 62; co-auth. Sociology and psychology for the nurse: an integrated approach, Mosby, 68. Address: Dept. of Sociology, Florida Technological University, Orlando, Fla. 32816.

UNTERBERGER, DR. S. HERBERT, b. Philadelphia, Pa., Nov. 13, 13; m. 41; c. 2. ECONOMICS. B.S., Pennsylvania, 34, M.A., 35, Ph.D., 60. Sr. statistician, State Dept. Labor & Indust., Pa., 38; economist unemploy. ins. res. R.R. Retirement Bd., U.S. Govt., 38-41, dir. case anal., Nat. War Labor Bd., 42-45, chief economist, guaranteed wage study, 46; ECONOMIST & CONSULT., S. HERBERT UNTERBERGER & CO., 47- Arbitrator, 51; adj. prof., Lehigh, 65. Econ. Asn; Indust. Rels. Res. Asn; Acad. Arbit. Labor and industrial relations. Publ: Guaranteed wage and supplementary unemployment pay plans; Guide for negotiating cost-of-living escalator clauses; Operating under the Taft-Hartley Act. Address: 1315 Walnut St., Philadelphia, Pa. 19107.

UNTEREINER, PROF. RAY E(DWARD), b. Redlands, Calif., Apr. 25, 98. ECONOMICS. A.B., Redlands, 20; A.M., Harvard, 21; J.D., Mayo Col. Law, 25; Ph.D., Northwestern, 32. Prof. pub. speaking, Huron Col., 23-24; instr. econ. & soc. sci., Joliet Jr. Col., Ill., 24-25; ECON. CALIF. INST. TECH., 25-30, asst. prof., 30-37, assoc. prof., 37-41, PROF., 42-, dean freshmen, 35-45. Lectr., Southern California, 29-31; Northwestern, 31-32; instr., Am. Inst. Banking, 38-41. Economist, Nat. Asn. Mfrs., 43-45, Enterprise Forum, Los Angeles Chamber Commerce, 45- Consult., U.S. Atomic Energy Cmn., 59- Mem., Pub. Utilities Cmn., Calif., 54-58. Taxation; economic theory; citrus marketing. Address: Dept. of Economics, California Institute of Technology, Pasadena, Calif. 91106.

UNTEREINER, PROF. WAYNE W(HITLOCK), b. Pasadena, Calif., May 28, 26; m. 55; c. 2. ANTHROPOLOGY, PUBLIC ADMINISTRATION. B.A., California, 47; M.A., Harvard, 49, Ph.D.(soc. anthrop.), 52. Vis. asst. prof. sch. pub. admin., Southern California, 51-52, 55-58; fel. Center Adv. Study Behav. Sci., 54-55; res. consult., Govt. Affairs Inst., 58-61; vis. assoc. prof. govt., Indiana, 61-64; PROF. ANTHROP. & CHMN. DEPT., CALIF. STATE COL. FULLERTON, 64- U.S.N.R., 52-54, Lt. AAAS; Anthropol. Asn; Sociol. Asn; Soc. Appl. Anthropol. Culture and personality; integration of the social sciences; applied anthropology in public administration and social and economic development. Address: Dept. of Anthropology, California State College at Fullerton, 800 N. State College Blvd., Fullerton, Calif. 92631.

UNWALLA, DR. DARAB BEHRAMJI, b. Udvada, India, Jan. 1, 28; U.S. citizen; m. 62; c. 2. MANAGEMENT & BEHAVIORAL SCIENCE. B.A., Bombay, 52, fel., 52-54, M.A. & LL.B., 54, Ph.D.(human rels. in factory), 57. Lectr. law, Bombay, 54-58, sociol. sch. econ. & sociol., 56-57; fel. sch. bus., Chicago, 58-59; ASSOC. PROF. MGT., GRAD. SCH. BUS. ADMIN., MICH. STATE, 59- Consult. & res., Agency Int. Develop., 64; various aero-space firms, 67-; Printing Indust. Cleveland, 67- Indian Sociol. Soc. Dynamics of emergent American society; corporate structure; interlocking directorate; United States military executives; business education in underdeveloped countries; business leaders. Publ: Automation, Textile Asn., 57; co-auth. The enterprising man, Mich. State Univ., 65 & The emergent American society, Yale, 67. Address: 229 Eppley Center, Michigan State University, East Lansing, Mich. 48823.

- UPCHURCH, DR. HARLEY MASON, b. Detroit, Mich, Mar. 16, 29; m. 62; c. 1. SOCIOLOGY. B.A. Mex. City Col, 58; M.A. Florida, 60; Ph.D.(sociol), La. State, 65. Res. assoc. bur. appl. soc. res. Columbia, 62-64; lectr. sociol. La. State, New Orleans, 64-65; RES. SCIENTIST, HUMRO, GEORGE WASHINGTON, 65- Res. assoc. Inst. Nutrit. Cent. Am. & Panama, summer 59. U.S.A. 49-52. Sociol. Asn. Inter-American studies; sociology of: Latin America, community, religion, politics; sociological methods; demography; personality and culture; structure and functioning of overseas American locality groups. Address: Human Resources Research Office, George Washington University, 300 N. Washington St, Alexandria, Va. 22314.
- UPDEGRAFF, PROF. RUTH, b. Preston, Iowa, June 7, 02. CHILD PSYCHOLOGY. A.B. Vassar Col, 23; Ph.D.(child psychol), Iowa, 28. Instr. psychol, Vassar Col, 23-25; asst. CHILD PSYCHOL, IOWA, 25-28, res. assoc. 28-37, asst. prof, 37-40, from assoc. prof. to PROF, INST. CHILD BEHAV. & DEVELOP, 40- Fel. Psychol. Asn. Preschool education; personality development of children. Address: Institute of Child Behavior & Development, University of Iowa, Iowa City, Iowa 52240.
- UPGREN, PROF. ARTHUR R(EINHOLD), b. River Falls, Wis, Jan. 18, 97. ECONOMICS. A.B. Wisconsin, 20; Ph.D. Minnesota, 37. Instr. bus. admin, Minnesota, 30-37, assoc. prof, 37-42, prof. econ. & finance, 42-53, supvr. banking clin, 31-33; dean Amos Tuck Sch. Bus. Admin, Dartmouth Col, 53-57; Bigelow prof. econ. & dir. bur. econ. studies, MACALESTER COL, 57-68, EMER. PROF. ECON, 68- Vis. prof, Florida, 68- Res. assoc. Hutchings Cmn. Int. Rels. Soc. Sci. Res. Coun, N.Y., 33-34; analyst, trade agreements div, U.S. Dept. State, 34-45; res. assoc. Coun. For. Rels, 40-41; chief nat. econ. unit, bur. for. & domestic commerce, U.S. Dept. Commerce, 41-42; dir. res. inquiry, Econ. Interests Northwest. U.S. & Can, 42-43; economist, Minneapolis Fed. Reserve Bank, 42-45. Consult, Govt. of Man, Can, 37-38. Dir, Green Giant Co, Gold Eagle Wash. Corp. & Security Life. Monetary policy; business cycles; international relations. Publ: Co-auth, Economics for you and me; auth, Productivity and wages & New economics of the measured world. Address: 3430 List Place, Minneapolis, Minn. 55416.
- UPHAM, PROF. FRANCES ISABEL, b. Boston, Mass, May 15, 01. SOCIAL & BEHAVIORAL SCIENCE, SOCIAL WORK. B.A. Smith Col, 22, M.S.S. 24; M.A. Boston, 23; Chicago, 59-60. Caseworker, hosps, New York & Boston, 24-35; med. soc. consult, Mo. State Crippled Children's Serv, 42-43; asst. prof. soc. work, Missouri, Columbia, 43-45; human behav. & soc. case work, grad. sch. soc. work, Indiana, Indianapolis, 45-47; chief casework supvr, soc. serv. dept, Hosp. Joint Diseases, New York, 48-49; casework supvr, regional off, Vet. Admin, D.C., 49-52; assoc. prof. human behav. & soc. casework, sch. soc. welfare, La. State, 52-66; PROF. HUMAN BEHAV. & SOC. ENVIRON. SEQUENCE & CHMN. DEPT, SCH. SOC. WORK, MARYLAND, 66- Dir, Nat. Asn. Soc. Workers Pilot Insts. Med. Soc. Work on Master's Level, 55-56; inst. leader normal personality develop, Maine State Dept. Pub. Welfare, summer 62; concepts med. soc. work, Tex. State Welfare Conf, 64. Consult, staff develop. sect, N.C. State Dept. Pub. Welfare, summer, 57; Vet. Admin. Hosp, Alexandria, La, 58-66. Acad. Cert. Soc. Workers; Nat. Asn. Social Workers; Coun. Soc. Work Ed. Diagnostic and treatment categories of resistance to assuming and carrying the client role; casework methodology. Publ: Dynamic approach to illness: a social work guide, Family Serv. Asn. Am, 49; Use of analysis of content in curriculum development, J. Ed. Soc. Work, fall 67. Address: School of Social Work, University of Maryland, 525 W. Redwood, Baltimore, Md. 21201.
- UPHOFF, PROF. WALTER H(ENRY), b. Sheboygan Co, Wis, Feb. 28, 13; m. 38; c. 4. ECONOMICS. B.S. Wisconsin, 34, Ph.M. 35. Instr. workers ed. prog, Wis. Works Progress Admin, 35-37, supvr. curriculum, 39-40; instr. labor ed, Wisconsin, 37-38; regional ed. adv, region 7, Farm Security Admin, 38-39; staff rep, Wis. State Fedn. Labor, 40-41; mgr, Fel. Farm Coop, Wis, 41-51; res. assoc. indust. rels. center, Minnesota, 51-53, asst. prof, 53-61, assoc. prof, 61-63; PROF. ECON. & DIR. LABOR ED, COLORADO, 63- Sr. Fulbright res. grant, Cologne, 58-59. Am. Econ. Asn; Am. Indust. Rels. Res. Asn; Int. Indust. Rels. Asn. Labor education; causes and effects; comparative trade union studies; union member attitudes. Publ: The Kohler strike—its socio-economic causes and effects, Kerr, 35; Kohler on strike—30 years of conflict, Beacon, 66 & 67. Address: 705 Marine St, Boulder, Colo. 80302.
- UPPAL, DR. J(OGINDAR) S, b. Lahore, India, Jan. 16, 27; m. 45; c. 3. ECONOMICS. B.A. Punjab, India, 50, M.A. 52; Inst. Int. Ed. fel, Minnesota, 60, M.A. 61, Cowles fel, 64, Ph.D.(econ), 65. Instr. econ. & soc. sci, Minnesota, 52-65; asst. prof. soc. sci, Mich. State, 65-67; ASSOC. PROF. ECON, STATE UNIV. N.Y. ALBANY, 67- Econ-in-Action Prog. fel, Case, 61; asst. prof, Hawaii, 64; Ford Found. res. grant, Mich. State, 66. Econ. Asn; Asn. Asian Studies. Economic development and social change; taxation and fiscal problems in underdeveloped economies; Asian studies. Publ: Disguised unemployment in underdeveloped economy, Mich. State Univ, 66; Chinese Communism, I, II, III, Econ. Affairs, 2-5/63; Measurement of disguised unemployment in Punjab agriculture, Can. J. Econ, 11/67. Address: Dept. of Economics, State University of New York at Albany, Albany, N.Y. 12203.
- UPSHAW, DR. HARRY S(TEPHAN), b. Birmingham, Ala, July 10, 26; m. 50; c. 4. SOCIAL PSYCHOLOGY. A.B. Chicago, 49; M.A. Northwestern, 51; Illinois, 51-52; Ph.D.(psychol), North Carolina, 56. Asst. prof. psychol, Alabama, 54-57; spec. instr, Simmons Col, 57-58; lectr. psychol. & asst. res. prof. pub. health nursing, sch. pub. health, North Carolina, 58-61, ASSOC. PROF. PSYCHOL, 61-64; Bryn Mawr Col, 64-65; ILLINOIS, CHICAGO, 65- Res. assoc. Ed. Res. Corp, 57-58. Consult, sch. deat, Alabama, 54-57. U.S.A. 44-46. Psychol. Asn; Psychomet. Soc. Psychology of judgment; attitude measurement; attitude change. Address: 2102 Livingston St, Evanston, Ill. 60201.
- UPTON, PROF. MORGAN, Perimental Psychol, see 11th ed, Phys. & Biol. Vols.
- UPTON, PRES. R(OBINSON) MILLER, b. New Orleans, La, Dec. 27, 16; m. 42; c. 3. ECONOMICS. B.B.A. Tulane, 38; M.B.A. Harvard, 40; Ph.D. Northwestern, 48; hon. LL.D. Lawrence, 65, Monmouth Col, 66, Ripon Col,
67. Instr. econ, Lake Forest Col, 40-43; asst. Northwestern, 44-48, asst. prof. finance, 48-50; assoc. prof, Washington (St. Louis), 50-51, dean, sch. bus. & pub. admin, 51-54; PRES, BELoit COL, 54- Econ. Asn; Finance Asn; Statist. Asn. Statistical analyses of consumer credit; phenomenon of monetary saving and business cycles; organization theory and role of administration. Publ: Co-auth, Introduction to business finance. Address: Beloit College, Beloit, Wis. 53511.
- URBAN, DR. HUGH B(AYARD), Clin. Psychol, see 11th ed, Phys. & Biol. Vols.
- URBAN, PROF. JOHN H(ENRY), Econ, see 10th ed, Soc. & Behav. Vols, deceased.
- URIST, DR. MARGARET DENMAN, b. Osborne, Kans, Jan. 6, 20; m. 46; c. 2. POLITICAL SCIENCE, HISTORY. B.S.F.S. Southern California, 42, M.A. 46, Ph.D.(polit. sci), 56; Columbia, 49-50; San Carlos, Guatemala, 50-51. For. affairs analyst, Library of Cong, 56-57; sci. reference analyst, int. biomed. progs, Nat. Inst. Ment. Health, 61-62; Pan Am. Health Orgn, 62-64; int. commun. prog. officer, Nat. Library Med, 67-68 & part-time, 68- Consult, Caribbean Ment. Health Conf, Curacao, Netherlands West Indies, 63; WHO Psychiat. Conf, 64. U.S.N. 43-44, Ens. Polit. Sci. Asn; Asn. Hist. Med; Latin Am. Studies Asn. International relations; Social science research analysis, especially Latin America and the Far East. Publ: Asia, In: World scope encyclopedia, 56. Address: 2045 Reynolds St, Falls Church, Va. 22043.
- URMER, DR. ALBERT H(EINZ), b. Vienna, Austria, Oct. 31, 29; nat; m. 52; c. 2. PSYCHOLOGICAL PSYCHOLOGY, HUMAN ENGINEERING. B.A. Washington (St. Louis), 51; M.A. Texas, 53, Ph.D.(psychol), 57; fel, Air Univ, 56-57. Res. scientist psychol, radiobiol. lab, Texas & U.S. Air Force, 55-56; psychophysiol, Ranch Los Amigos Hosp, Downey, Calif, 57-60; human factors engr, Martin Co, Colo, 60-61; sr. aerospace psychologist, McDonnell Aircraft Corp, Mo, 61-66; PRES, ENKI CORP, 66- U.S.A.F. 51-55, Sgt. AAAS; Psychol. Asn; N.Y. Acad. Sci. Effects of brain damage and neuromuscular disease on psychophysiological functions; psychophysiological function of man in unique environments of space flight. Publ: Facilitative effect of sensory pre-conditioning on instrumental learning in the Rhesus monkey, J. Comp. & Physiol. Psychol; Effect of gamma radiation on the reorganization of a complex maze habit, J. Genetic Psychol; Temporal effects of complex discriminations, Perceptual & Motor Skills. Address: 19241 Dearborn St, Northridge, Calif. 91324.
- URQUHART, DR. N. SCOTT, Statist, see 11th ed, Phys. & Biol. Vols.
- URQUHART, NORMAN RICHARD, b. Lincoln, Ill, Sept. 29, 15; m. 51; c. 7. ECONOMICS, AGRICULTURAL ECONOMICS. B.S. Illinois, 36; M.S. Maryland, 37; U.S. Dept. Agr. Grad. Sch, 37-38. Jr. economist, U.S. Dept. Agr, 37-40, asst. agr. economist, 40-42, 46-47, agr. economist, Soil Conserv. Serv, 48-49; statistician, Vet. Admin. Regional Off, Baltimore, Md, 47; asst. prof. agr. econ. & animal sci, Western Illinois, 47-48; economist, Fed. Reserve Bank, Chicago, 49-51; off. asst, FIRST NAT. CITY BANK, NEW YORK, 51-57, assoc. economist, 57-63, ASST. V.PRES, 63- U.S.A. 42-46, 2nd Lt. Agr. Econ. Asn; Soil Conserv. Soc; Econ. Asn. Agricultural policy; commodity research; marketing. Publ: High cost of farm programs; Silver's last stand as a monetary metal, 8/67 & co-auth, Population vs. food, 9/67, Monthly Econ. Letter, First Nat. City Bank. Address: 220 Blauvelt Rd, Pearl River, N.Y. 10965.
- URSE, DR. V(LADIMIR) G(EOERGE), Neuropsychiat, see 11th ed, Phys. & Biol. Vols.
- URSULA, SISTER MARY, R.S.M, b. Altoona, Pa, July 24, 10. GEOGRAPHY. A.B. Col. Misericordia, 47; M.A. Catholic Univ, 53; fel, Clark, 55-58, Ph.D. (geog), 58. Teacher, St. Nicholas Sch, Pa, 30-37; St. Joseph Sch, 37-45; Cent. Cath. High Sch, 45-50; prin, St. Columba Sch, 50-51; instr. geog, Mt. Aloysius Jr. Col, 51-59, registr, 52-55; coordinating ed. elem. textbooks, Allyn & Bacon, Inc, 59-62; chmn. dept. soc. sci, MT. ALOYSIUS JR. COL, 62-66, PRES, 66- Summers, vis. instr, Catholic Univ, 54, Col. Misericordia, 55. U.S. del. to UNESCO Seminar, Montreal, Can, 50. Asn. Am. Geog. Nat. Coun. Geog. Ed. Improvement and extension of geography teaching in schools and colleges; changing patterns of Catholic population in the United States. Publ: Geography gateways, Book 4 & co-ed, Geography gateways, Book 5, Allyn & Bacon, 67; auth, Geography in today's world, Cath. Sch. J. Address: Mt. Aloysius Junior College, Cresson, Pa. 16630.
- USDANE, DR. WILLIAM M(ILLER), b. Seattle, Wash, July 29, 14; m. 43; c. 2. PSYCHOLOGY. B.A. Washington (Seattle), 36, fel, 38-40, M.A. 40; Bodman scholar, N.Y. Univ, 51, Ph.D. 55. Psychologist, Seattle Regional Off, Vet. Admin, 46-50; dir. voc. rehab. inst. crippled & disabled, N.Y. 50-56; prof. rehab. counseling, San Francisco State Col, 56-63; CHIEF RES. & DEMONSTRATIONS DIV, VOC. REHAB. ADMIN, DEPT. HEALTH, ED. & WELFARE, 63- Instr, Wash. Sq. Col, N.Y. Univ, 54-56; Fulbright sr. res. fel, London Sch. Econ, 62-63. Consult, United Cerebral Palsy, N.Y. 54-; Vet. Admin, 59-62. Mem. psycho-soc. study group, off. voc. rehab, Dept. Health, Ed. & Welfare, 59-60. U.S.A. 42-45, Sgt. Psychol. Asn; Personnel & Guid. Asn. Vocational assessment of cerebral palsied and orthopedically handicapped; psychological tests of aptitudes; rehabilitation counseling; psychological problems of the handicapped physically injured individual. Publ: Vocational counseling with the severely handicapped, Arch. Phys. Med; Employability of the multiple handicapped, Rehab. Lit; Vocational assessment and evaluation of the severely disabled, Vet. Admin. Bull. Address: 700 Seventh St. S.W., Washington, D.C. 20024.
- USDANSKY, DR. BLANCHE SWEET, b. Brooklyn, N.Y., Sept. 15, 24; m. 61. PSYCHOLOGY. B.A. Barnard Col, 45; McEnerney fel, California, 48-49, M.A. 49, U.S. Pub. Health Serv. fel, 49-50, Ph.D.(psychol), 53. Clin. psychologist, Jewish Hosp, St. Louis, Mo, 53-55; child res. br, Nat. Inst. Ment. Health, 55-60, res. psychologist, adult psychiat, br, 60-62; CLIN. PSYCHOLOGIST, 62- Mem. staff pilot proj. training child develop. counsr, Children's Hosp. Res. Found, 64-65. Consult. psychologist, Montgomery County Coun. Coop. Nursery Schs, 66- Psychol. Asn; N.Y. Acad. Sci. Personality devel-

opment in childhood and adolescence; psychodynamics and measurement of the parent-child relationship; transference and countertransference phenomena in psychoanalytically oriented psychotherapy. Publ: Co-auth, Pre-adolescent ego: some observations of normal children & Problems in the treatment of impulse disorder in children in a residential setting, Psychiatry; Construction of a test of mothers' attitudes, In: Parental attitudes and child behavior. Address: 9607 Bellevue Dr, Bethesda, Md. 20014.

USDIN, DR. GENE L(EONARD), Psychiat, see 11th ed, Phys. & Biol. Vols.

USEEM, PROF. JOHN, b. Buffalo, N.Y., Oct. 15, 10; m. 40; c. 3. SOCIOLOGY, ANTHROPOLOGY. B.A. California, Los Angeles, 34; Harvard, 34-36; Ph.D. (sociol, anthrop), Wisconsin, 39. Prof. sociol, South Dakota, 39-43; vis. lectr, Barnard Col, Columbia, 45-46; assoc. prof. SOCIOL. & ANTHROP, Wisconsin, 46-49; PROF, MICH. STATE, 49-, head. dept, 58-66. Vis. lectr. & consult, for serv. inst, U.S. Dept. State. Soc. sci. analyst, Off. Indian Affairs, 42; consult, Conf. Bd. Assoc. Res. Coun, 64-; Soc. Sci. Res. Coun, 64-; summer consult, Artic Inst. N.Am, 67. Dir. Palau Islands field study, Pac. Sci. Bd, Nat. Res. Coun, 48; co-dir, Hazen Found. Study, India, 52-53, 58-59. Distinguished faculty award, Mich. State, 62. U.S.N.R, 43-45, Lt. Sociol. Asn; fel. Anthropol. Asn; Soc. Appl. Anthropol. Comparative sociology; cross-cultural relations; American culture. Publ: The Western educated man in India; contrib, Human problems in technological change; Cultural patterns and technical change. Address: Dept. of Sociology, Michigan State University, East Lansing, Mich. 48823.

USEEM, PROF. RUTH HILL, b. Hamilton, Ohio, May 31, 15; m. 40; c. 3. SOCIOLOGY, ANTHROPOLOGY. B.A. Miami (Ohio), 36; Ph.D.(soc. psychol), Wisconsin, 47. Exten. lectr. sociol, psychol. & criminol, Wisconsin, 47-49; from lectr. to PROF. SOCIOL. & ED, MICH. STATE, 50-, RES. CONSULT. ANTHROP, 55-. Fel. Anthropol. Asn; Sociol. Asn; Soc. Appl. Anthropol. Third cultural learning; children of the third culture. Publ: Western-educated man in India. Address: 513 Erickson, Michigan State University, East Lansing, Mich. 48824.

USHER, PROF. ABBOTT PAYSON, Econ, see 9th ed, Soc. & Behav. Vols, deceased 65.

USHER, DR. DAN, b. Montreal, Que, May 15, 34; m. 62; c. 2. ECONOMICS. B.A., McGill, 55; Ph.D.(econ), Chicago, 60; M.A., Oxford, 64. Asst. econ. affairs officer, UN Econ. Cmn. Asia & Far East, 60-61; res. fel. ECON, Manchester, 61-63; Oxford, 63-66; asst. prof, grad. sch. bus, Columbia, 66-67; ASSOC. PROF, QUEEN'S (ONT), 67-. Am. Econ. Asn; Can. Econ. Asn. Economic theory. Publ: The price mechanism and the meaning of national income statistics, Clarendon Press, 68. Address: Dept. of Economics, Queen's University, Kingston, Ont, Can.

USHER, RICHARD FERGUSON, Exp. Psychol, see 10th ed, Soc. & Behav. Vols.

USHER, WILLIAM MACK, Math. Statist, see 11th ed, Phys. & Biol. Vols.

UTECHT, DR. ALOISE J(OSEPH), b. Hamtramck, Mich, June 10, 24; m. 57; c. 2. PSYCHOLOGY. Ph.B. Detroit, 50; M.A., Pennsylvania, 52; Wayne State, 53-54; fel. North Dakota, 57-60, Ph.D. 60. Case worker, Harper Community House, 52; dir. psychol, Hazel Park Youth Protection Cmn, 54-57; coordinator & asst. psychol, N.Dak. Inst, 59; child guid, psychologist, Children's Center Wayne County, 60-65; ASSOC. DIR. PSYCHOL, HAWTHORN CENTER, 65-. Lectr, Detroit, 54-57, 62-68, adj. prof, 68-; clin. psychologist, ment. hyg. clin, Vet. Admin. Hosp, 61; private practice, 66-. U.S.A. 43-46. Psychol. Asn. Anxiety and its reduction; group interaction of non-verbal adolescent males; relationship of attitudes toward research involvement and resistance. Publ: Delay and fixation, 62 & Effects of auditory stimulation upon immediate retention of learned maze behavior in rats, J. Comp. & Physiol. Psychol; Theory and practice in adolescent psychology, Ed. Record. Address: Hawthorn Center, 18471 Haggerty Rd, Northville, Mich. 48167.

UTLEY, DEAN W.T., b. Ark, July 22, 13; m. 42; c. 1. POLITICAL SCIENCE. B.A., Hendrix Col, 34; M.A., Arkansas, 38; Chicago. Chmn. polit. sci. & econ, Burlington Jr. Col.(Iowa), 40-45; from instr. to assoc. prof, Bradley, 46-48; PROF. govt. & polit. sci, OMAHA, 48-57, POLIT SCI, 57-, DEAN COL. CONTINUING STUDIES, 63-, chmn. dept. hist. & govt, 48-57, polit. sci, 57-65. Coordinator & consult, City Charter Convention, Omaha, 56; consult, city govt. Polit. Sci. Asn. Local government; politics. Address: College of Continuing Studies, University of Omaha, Omaha, Nebr. 68101.

UTTAL, DR. WILLIAM R, b. Mineola, N.Y., Mar. 24, 31; m. 54; c. 3. PSYCHOLOGY, BIOPHYSICS. B.S., Cincinnati, 51; Ph.D.(exp. psychol, biophysics), 57. Mgr. biophysics group, res. center, Int. Bus. Mach. Corp, 57-63; assoc. prof. PSYCHOL, 63-68, PROF, 68, RES. PSYCHOLOGIST, MICHIGAN, 63-. U.S. Pub. Health Serv. spec. fel. & vis. prof, Kyoto Prefectural Univ. Med, Japan, 65-66. U.S.A.F, 51-53, 2nd Lt. Psychol. Asn; Psychonomic Soc. Neural coding of behavior; automated teaching techniques; application of computers to the behavioral and biological sciences. Publ: Real time computers: technique and applications in the psychological sciences, Harper, 68. Address: Mental Health Research Institute, University of Michigan, Ann Arbor, Mich. 48103.

UTTER, DR. ROBERT F(ELLOWS), b. Long Beach, Calif, May 2, 21; m. 47; c. 2. PSYCHOLOGY. Ph.D.(psychol), California, Los Angeles, 49. Asst. prof. psychol, New Mexico, 48-51, 52-54; INDUST. PSYCHOLOGIST, SANDIA CORP, 54-. Head psychol. unit, Qm. Climatic Res. Lab, 51-52. U.S.A.A.F, 45-46, Lt. AAAS; Psychol. Asn. Industrial psychology; teaching machines; traffic safety. Publ: Contrib. Revolution in training; co-auth, Concepts of the true position dimensioning system, Cent. Sci. Co, 65. Address: 7714 Pennsylvania Place N.E., Albuquerque, N.Mex. 87110.

UVESKE, DR. JOSEPH A(NDREW), JR, b. Newark, N.J., Aug. 29, 38; m. 61; c. 3. POLITICAL SCIENCE. A.B., Ohio Northern, 61; Nat. Defense Ed. Act fel, Florida, 62-64, M.A., 62, Ph.D.(pub. admin, urban studies), 64. Instr. POLIT. SCI, Ohio Northern, 64-67, ASST. PROF, 67-68; WESTERN KEN-

TUCKY, 68-. Mem. & lectr, Ohio Acad. Sci, 67-. Polit. Sci. Asn. Public administration; urban studies; federal highway administration; orientation in urban politics, especially in regard to relationship of social class to political organization and operation; machine politics. Publ: Federal-state relations in interstate highway administration, Pub. Admin. Clearing Serv, Univ. Florida, 63. Address: Dept. of Political Science, Western Kentucky University, Bowling Green, Ky. 42101.

UYEDA, DR. ARTHUR A(SA), b. San Bernardino, Calif, Sept. 26, 25; m. 60; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A., San Diego State Col, 51; M.A., California, Los Angeles, 58, Ph.D.(psychol), 60. Res. asst. psychol, DEPT. PSYCHIAT, CALIFORNIA, LOS ANGELES, 58-60, psychol. res. trainee, 60-62, ASST. RES. PSYCHOLOGIST, 62-. U.S.A. 52-54. Psychol. Asn. Intracranial stimulation and motivation; midbrain stimulation and behavioral arousal; pharmaceutical manipulation of arousal; neural correlates of discrimination behavior; visual evoked potential; memory and the frontal cortex. Publ: Co-auth, Resistance to extinction following cranial self-stimulation, J. Comp. & Physiol. Psychol, 59 & Facilitation of tachistoscopic performance stimulation of midbrain... in the monkey, Exp. Neurol, 62; auth, Effects of cooling association cortex on visual evoked potentials, Psychol. Reports, 67. Address: Dept. of Psychiatry, Center for the Health Sciences, University of California, Los Angeles, Calif. 90024.

UYEKI, PROF. EUGENE S(HIGEMI), b. Seattle, Wash, May 26, 26; m. 56; c. 2. SOCIOLOGY, POLITICAL SCIENCE. B.A., Oberlin Col, 48; M.A., Chicago, 52, Ph.D.(sociol), 53. Instr. SOCIOL, CASE WESTERN RESERVE, 53-58, asst. prof, 58-63, assoc. prof, 63-67, PROF, 67-, ACTING ASSOC. PRO-VOST SOC. & BEHAV. SCI, 68-. U.S.A. 54-55. Sociol. Asn; Pop. Asn. Urban sociology and the sociology of science and technology. Publ: Co-auth, The federal scientist-administrator, Science, 3/62; auth, Behavior and self-identity of federal scientist-administrators, In: Research program effectiveness, 66; Patterns of voting in a metropolitan area, 1938-62, Urban Affairs Quart, 6/66. Address: Division of Special Interdisciplinary Studies, Case Western Reserve University, Cleveland, Ohio 44106.

UYENO, DR. EDWARD TEISO, Psychol, see 11th ed, Phys. & Biol. Vols.

UZAWA, PROF. HIROFUMI, b. Japan, July 21, 28; m. 57; c. 3. ECONOMICS. B.S., Tokyo, 51. Res. assoc. econ, Stanford, 56-60, assoc. prof. econ. & stat-ist, 61-63; asst. prof. econ. & math, California, Berkeley, 60-61; PROF. ECON, CHICAGO, 64-. Fel, Center Adv. Study Behav. Sci, 61-62; overseas fel, Churchill Col, Cambridge, 66-67; Ford Found. res. fel, 66-67. Fel. Economet. Soc; fel. Am. Acad. Arts & Sci. Economic theory, especially problems of capital accumulation, economic growth, international trade, monetary theory and welfare economics. Publ: Co-auth, Studies in linear and non-linear programming, Stanford, 58. Address: Dept. of Economics, University of Chicago, Chicago, Ill. 60637.

V

VACCARO, DR. J(OSEPH) JOHN, b. Brooklyn, N.Y., Sept. 24, 12; m. 45; c. 2. CLINICAL PSYCHOLOGY. B.S., Fordham, 34, Ph.D.(psychol), 51; M.A., N.Y. Univ, 37; William A. White Inst, 53-55. Psychologist & exec. secy, Italian Bd. Guardians, N.Y., 37-38; psychologist, Dept. Correction, 39-40; case-worker, Dept. Welfare, 40-42; clin. psychologist & speech pathologist, Vet. Admin, 46-58; chief clin. psychologist, ment. hyg. & guid. clin, N.Y. Found-ling Hosp, 58-63; ASST. PROF. GROUP SUPV. IN PASTORAL COUNSELING, IONA INST. PASTORAL COUNSELING, 62-. Instr. Purdue, 53; Queens Col, 54-58; prof. lectr, St. John's (N.Y.), 59-. St. Francis Inst. Pastoral Counsel-ling, 60-; participant, faculty workshop, Mt. St. Mary, 66-67. Chief clin. psychol. sect, U.S. Army Hosp, Atterbury, Ind, 51-52. Psychol. consult, Nassau Neurol. Psychiat. Clin, 48-50; Italian Charities of Am, 53-55. Private practice. U.S.A., 42-46, 51-52, Res. 52-63, Maj. Psychol. Asn; Soc. Proj. Tech. Psychotherapy. Publ: Judging the adequacy of psychiatric aides, Hosp. Mgt; Stress in modern society, Cath. Nurse; Motivating the person for psychological assistance, Cath. Counsr, winter 64. Address: 5 Dartmouth St, Forest Hills Gardens, N.Y. 11375.

VACCARO, DR. LOUIS CHARLES, b. Los Angeles, Calif, July 25, 30; m. 55; c. 5. SOCIOLOGY OF EDUCATION. A.B., Southern California, 57, M.Ed, 61; M.A., San Fernando Valley State Col, 60; W.K. Kellogg fel, Mich. State, 62-63, Ed.D, 63. Asst. instr. ed, San Fernando Valley State Col, 60-61; instr. St. Mary's Col.(Ind), 61-62; asst. to v-pres. acad. affairs & asst. prof. orgn. theory, Marquette, 63-65; res. fel. orgn. sociol, center adv. study ed. admin. Oregon, 65-66; V.PRES. ACAD. AFFAIRS, PORTLAND, 66-. Mem, State Adv. Cmn. Home & Family, Wis, 64-65. U.S.A.F, 51-52. Asn. Higher Ed; Ed. Res. Asn. Administrative and organizational theory development; power and student subcultures in universities. Publ: Toward new dimensions of Catholic higher education, Ed. Res. Assocs, 67. Address: University of Portland, 5000 N. Willamette Blvd, Portland, Ore. 97203.

VACCHIANO, DR. RALPH B, b. New York, N.Y., Jan. 7, 37; m. 67. PSYCHOLOGY. B.S., N.Y. Univ, 59; M.S., Massachusetts, 62; Ph.D.(psychol), St. John's (N.Y.), 64. Asst. prof. PSYCHOL, FAIRLEIGH DICKINSON, 64-, CHMN. DEPT, 66-. AAAS; Psychol. Asn; N.Y. Acad. Sci. Personality research and theory; psychological testing; child development. Publ: Developmental study of ambiguity level in picture-story stimuli, J. Proj. Tech. & Personality Assessment, 29: 465-472; A factor analytic comparison of TAT, self-description and reputation assessment techniques, 28: 416-419, & Correlates of the dogmatic personality, J. Consult. & Clin. Psychol, 32: 83-85. Address: Dept. of Psychology, Fairleigh Dickinson University, Madison, N.J. 07940.

VADAKIN, PROF. J(AMES) C(HARLES), b. Lima, Ohio, Mar. 8, 24; m. 47; c. 1. ECONOMICS. B.A., Denison, 46; M.B.A., Harvard, 47; Ph.D. Cornell, 52. Assoc. prof. ECON, Miami (Fla), 47-49; asst. Cornell, 49-50; from assoc. prof. to PROF. & CHMN. DEPT, MIAMI (FLA), 50-. U.S.N. 43-46, Lt.(jg). Arbit. Asn; Indust. Rels. Res. Asn; Acad. Arbit. Labor economics; arbitration; social security. Publ: Family allowances; Problems encountered in the extension of time and motion study programs, Time & Motion

- Study, Brit; The New York disability benefits law, Monogr, Cornell Univ. Address: Dept. of Economics, University of Miami, Coral Gables, Fla. 33124.
- VAGO, DR. STEVEN, b. Hungary, June 12, 37; U.S. citizen. SOCIOLOGY. M.A., Washington (St. Louis), 63, Ph.D.(sociol), 67. ASST. PROF. SOCIOL, Southern Illinois, 63-65; Forest Park Community Col, 65-67; ST. LOUIS, 67- Consult, Off. Econ. Opportunity, 65-67; Better Bus. Bur. & Mo. Asn. Consumers, 65-; Bur. Appl. Soc. Res, 66- Sociol. Asn; Psychol. Asn. Consumer behavior and demography. Publ: Wage garnishment: an exercise in futility, J. Consumer Affairs, summer 68. Address: Dept. of Sociology, St. Louis University, 221 N. Grand Blvd, St. Louis, Mo. 63103.
- VAHDAT, PROF. MANOUCHER, b. Tehran, Iran, Mar. 6, 19; m. 43; c. 1. INTERNATIONAL LAW & RELATIONS. B.S. Officers' Col, Iran, 41; bd. trustees scholars, Indiana, 53-57, M.A. 54, Ph.D.(polit. sci), 58. PROF. POLIT. SCI, NORTHWEST. STATE COL.(OKLA), 61- Summer legal adv. ministry for. affairs, Govt. Iran, 59. Iranian Army, 38-50, Capt. Inf. Polit. Sci. Asn. Comparative government of America, Europe and Middle East; Middle East affairs; Union of Soviet Socialist Republics' policy in Iran and Middle East. Publ: Soviet design in Iran; Iran assesses recent Russian smiles against centuries of border pressure. Address: Dept. of Political Science, Northwestern State College, Alva, Okla. 73717.
- VAIL, PROF. JAMES P(ATRICK), b. Jersey City, N.J., Nov. 27, 18; m. 53; c. 2. SOCIOLOGY. B.S., Seton Hall Col, 48; M.A., Columbia, 49, Ed.D. 55. Asst. prof. sociol, FAIRFIELD, 49-59, assoc. prof, 59-67, PROF. ED. & SOCIOL, GRAD. SCH. ED, 67- U.S.A. 41-45. Fel. Sociol. Asn; Acad. Polit. & Soc. Sci. Sociology of the family; social foundations of education. Publ: Integration of sociological and moral principles; Attitudes of college students toward marriage, J. Psychol; co-auth, Motivational patterns of college freshmen, The Cath. Ed. Rev, 1/65. Address: 88 Knollwood Dr, Fairfield, Conn. 06430.
- VAILE, ROLAND S(NOW), Econ, see 10th ed, Soc. & Behav. Vols.
- VALDES, PROF. DONALD MANUEL, b. Roselle Park, N.J., Nov. 20, 22; m. 45; c. 4. SOCIOLOGY. B.A., Montclair State Col, 48; M.A., George Peabody Col, 49; Danforth grant, Ohio State, 57-58, Ph.D.(sociol), 58. Instr. SOCIOL, Athens Col, 50-51; DENISON, 53-56, asst. prof, 56-59, assoc. prof, 59-66, PROF, 66- U.S.A.A.F, 43-45, 2nd Lt. Sociol. Asn. Race relations; anthropology; introductory sociology. Publ: Co-auth, Experiments in sociology, Appleton, 63 & Sociology in use, Macmillan, 64. Address: 15 Sunset Hill, Granville, Ohio 43023.
- VALDES, DR. LUIS, b. Havana, Cuba, Jan. 9, 39; U.S. citizen; m. 58; c. 3. POLITICAL SCIENCE. B.A., Wisconsin, Madison, 60, M.A., 62, Ph.D.(polit. sci), 68; Ford Found, Fulbright & Ibero-Am. Center fels. & cert, São Paulo, 64. Proj. asst. POLIT. SCI, Wisconsin, Madison, summer 62, teaching asst. 62-63; instr, CENT. COL.(IOWA), 64-65, asst. prof, 65-67, ASSOC. PROF, 67-, summer faculty res. grant, 66. Lectr, Peace Corps Center, Univ. Wisconsin Ibero-Am. Center grant, 65-66. Polit. Sci. Asn. Ibero-American studies; comparative government, Latin America; application of quantitative methods to the understanding of the processes of political modernization. Publ: Cuba: before and after, Insight & Outlook, summer 61. Address: Dept. of Political Science, Central College, Pella, Iowa 50219.
- VALE, DR. JACK R, b. Ft. Worth, Tex, Oct. 23, 35; m. 60; c. 1. PSYCHOLOGY. A.B., California, Los Angeles, 61, U.S. Pub. Health Serv. fel, 61-66, Ph.D.(differential psychol), Berkeley, 66. ASST. PROF. PSYCHOLOGY, BOWLING GREEN STATE, 66- U.S. Pub. Health Serv. res. grant, 67-68. U.S.A.A.F, 54-57. Animal Behav. Soc; Int. Soc. Develop. Psychobiol. Behavior genetics; organism-environment interactions. Address: Dept. of Psychology, Bowling Green State University, Bowling Green, Ohio 43402.
- VALENSTEIN, DR. ELLIOT S(PIRO), Psychol, see 11th ed, Phys. & Biol. Vols.
- VALENTI, PROF. RAYMOND FRANCIS, b. Jersey City, N.J., Apr. 25, 15; m. 49; c. 2. FINANCE. B.S., Fordham, 38; M.B.A., Syracuse, 54, Ph.D. (econ), 59. Bus. & acct. consult, 38-47; PROF, Paul Smith's Col, 47-53; FINANCE, SYRACUSE, 54-, ASSOC. DEAN COL. BUS. ADMIN, 65- Consult, various corp. & ed. consult. assignments, Am. Asn. Nurserymen, 54-; N.Y. Tel. Co, 63-64; U.S. Treas. Dept, 64-; Univ. Oriente, Venezuela, 66-; Sch. Admin. & Finance, Colombia, 67- Finance Asn; Risk & Ins. Asn; Nat. Tax Asn; Am. Acct. Asn. Taxation of financial institutions, especially insurance company taxation. Publ: Theoretical approaches to taxing life insurance companies for federal income tax purposes, 11/57 & The 1959 insurance company tax act—attitudes and insights, 12/60, J. Ins; Housing in a growth economy, Land Econ, 2/62. Address: Dept. of Finance, College of Business Administration, Syracuse University, 116 College Place, Syracuse, N.Y. 13210.
- VALENTINE, DR. JOHN A(SHBY), b. Staten Island, N.Y., July 26, 18; m. 47; c. 4. PSYCHOLOGY. A.B., Princeton, 40; M.A., Syracuse, 42, Maxwell fel. & Ph.D., 53. Instr. psychol, Pittsburgh, 46-47; assoc. prof. psychol. & ed. & chmn. dept, Middlebury Col, 48-56; assoc. dir. planning div, Ed. Testing Serv, 56-60, dir. exams, COL. ENTRANCE EXAM. BD, 60-68, EXEC. DIR. EXAMS, 68- U.S.A.A.F, 42-46, Lt. Col. AAAS; Psychol. Asn. Education measurement. Address: College Entrance Examination Board, 475 River- / side Dr, New York, N.Y. 10027.
- VALENTINE, COL. JOHN PHILLIP, U.S.A., b. Evanston, Ill, Jan. 11, 23; m. 48; c. 1. HOSPITAL ADMINISTRATION. B.S., San Francisco State Col, 57; M.B.A., Syracuse, 58; D.B.A., George Washington, 65. MED. SERV. CORPS, U.S. ARMY, 43-, chief command & admin. br, dept. admin, Med. Field Serv. Sch, 65-66, assoc. prof. hosp. admin. & dep. dir. dept. admin, 66-67, PROF. HOSP. ADMIN, GRAD. SCH, BAYLOR & DIR. DEPT. ADMIN, MED. FIELD SERV. SCH, FT. SAM HOUSTON, 67- Address: Artillery Post, Ft. Sam Houston, Tex. 78234.
- VALENTINE, PROF. LLOYD M(AGNUS), b. Racine, Wis, May 29, 22; m. 46; c. 2. ECONOMICS. B.A., Wisconsin; M.A., California, Los Angeles, 51. Asst. econ. California, Los Angeles, 49-53, bur. econ. & bus. res, 51-52; vis. asst. prof. money & banking, La. State, 53-54; asst. prof. ECON, CIN-CINNATI, 55-56, assoc. prof, 56-68; PROF, 68- Lectr, Los Angeles State Col, 52-53. Consult. U.S.C.G., 40-45. Econ. Asn; Finance Asn. Banking; business fluctuations; investments managerial economics. Publ: Co-auth, Business cycles and forecasting, South-West. Pub, 3rd ed, 68. Address: Dept. of Economics, University of Cincinnati, Cincinnati, Ohio 45221.
- VALENTINE, DR. ROGER W(ENDELL), b. Mt. Vernon, Ill, Mar. 3, 95. ECON-OMICS. Ph.D.(econ), Illinois, 24. Asst. prof. econ, Illinois, 26-27; ECON-OMIST, HALSEY STUART & CO, INC, 27- U.S.A., 17-19. Econ. Asn; Finance Asn. Investments; monetary theory; corporation finance. Address: 123 S. La Salle St, Chicago, Ill. 60690.
- VALEO, F(RANCIS) R(ALPH), b. Brooklyn, N.Y., Jan. 30, 16. INTERNA-TIONAL RELATIONS. A.B., N.Y. Univ, 36, A.M., 41; Washington (Seattle), 44; American Univ, 46-47. Analyst Far East. affairs, legis. reference serv, Library Cong, 46-50, chief for. affairs div, 51-56, sr. specialist, 56-57; staff assoc. & consult, Senate For. Rel. Cmt. & subcmts, 58; consult. for. rels. cmt, cong. adv, U.S. del, 13th gen. assembly, 59-60; admin. asst. to majority whip, U.S. Senate, 59, asst. to majority leader Mansfield, 61-63, secy. majority 63-66, SECY, U.S. SENATE, 66- U.S.A., 43-46. Acad. Polit. Sci. Address: U.S. Senate, Washington, D.C. 20510.
- VALIEN, DR. PRESTON, b. Beaumont, Tex, Feb. 19, 14; m. 36. SOCIOLOGY. A.B., Prairie View State Col, 34; Ph.M., Wisconsin, 35, Ph.D. 47. From instr. to assoc. prof, Fisk, 38-48, prof. sociol, chmn. dept. soc. sci. & dir. res, 48-58; assoc. dir. driver res. center, State Health Dept, N.Y., 58-60; cultural attaché, Am. Embassy, Lagos, Nigeria, 60-62; prof. sociol, Brook-lyn Col, 62-65; chief grad. acad. progs. br, div. grad. progs, U.S. OFF. ED, 65-66, dir, 66-67, DEP. ASSOC. CMNR, BUR. HIGHER ED, 67- Interviewing supvr, Nat. Opinion Res. Center, 46-49; exam. econ. & statist, Fed. Civil Serv. Cmn, 43; summer prof, Columbia, 62. Consult, div. regional studies, Tenn. Valley Authority, 50. Mem. Atomic Energy Cmn. Adv. Panel Nuclear Ed. & Training, 66-67. Fel. African Studies Asn; fel. Sociol. Asn; Statist. Asn; Pop. Asn. Am. Population; internal migration; race relations. Publ: Co-ed, Race relations: problems and theory; Pedestrians fatally injured by motor vehicles in Manhattan, J. Chronic Diseases; co-auth, General sociological theories of current reference, In: Modern sociological theory. Address: 8020 W. Beach Dr. N.W., Washington, D.C. 20012.
- VALINS, DR. STUART CHARLES, b. New York, N.Y., Dec. 13, 38; m. 59; c. 2. PSYCHOLOGY. B.A., Hunter Col, 59; M.A., Columbia, 63, Ph.D.(soc. psychol), 64. ASST. PROF. PSYCHOL, North Carolina, Chapel Hill, 65-67; STATE UNIV. N.Y. STONY BROOK, 67- Fel. Duke, 64-65. AAAS; Psychol. Asn. Experimental social psychology; experimental personality research. Publ: Cognitive effects of false heart-rate feedback, 66, Emotionality and information concerning internal reactions, 67 & co-auth, Effects of cognitive desensitization on avoidance behavior, 67, J. Personality & Soc. Psychol. Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- VALINSKY, PROF. DAVID, b. Atlantic City, N.J., Oct. 26, 14; m. 38; c. 1. STATISTICS. B.S.E., Temple, 36; fel. City Col. New York, 40-41, M.B.A., 43; Ph.D., Columbia, 62. Mem. staff STATIST. MGT. & MKT. RES, BARUCH SCH. BUS. & PUB. ADMIN, CITY COL. NEW YORK, 40-, GEN. COORDINATOR COOP. ED, 48-, PROF. STATIST, 66-, asst. prof, 52-62, assoc. prof, 62-66. Statist. consult, Mayor's Cmt. Mgt. Surv, New York, 51-52; res. consult, Fuller, Smith & Ross, 52-56; opers. res. consult, Liebmann Breweries, 56-; res. consult, Data Inc, 61- U.S.A., 43-47, Capt. Fel. AAAS; Am. Statist. Asn; Opers. Res. Soc. Am; Soc. Qual. Control; fel. Royal Statist. Soc. Survey sampling and experimental design; operations research; reliability and quality control; marketing and advertising re-search. Publ: Statistical determination of number and location of engine companies in the city of New York; Determination of optimum operating conditions for the control of boll weevil infestation; Investigation of concentration in commercial banking. Address: Dept. of Statistics, Baruch School of Business & Public Administration, City College of New York, 17 Lexington Ave, New York, N.Y. 10010.
- VALKO, PROF. LASZLO, b. Budapest, Hungary, June 18, 07; nat; m. 42. ECONOMICS, POLITICAL SCIENCE. Ph.D.(econ, polit. sci), Budapest, 29, LL.D. 30. PROF. AGR. ECON. & AGR. ECONOMIST, WASHINGTON STATE, 50- Fel. Iowa State, 30-31; vis. prof, Puerto Rico, 59; int. coop. training center, Wisconsin, 62-68; Asian & African univs, 65-66; law sch, Vienna, 67. Consult, League Coop. & Admin. Coop. Develop, P.R., 60-61. Chmn. legal cmt, Int. Cong. Coop. Sci, Germany, 57, rep, Am. Inst. Coop, 60, chmn. nat. ed. & res. cmt, 66; voting mem, U.S. del, World Cong. Int. Coop. Alliance, Sweden, 57, Switz, 60, Gt. Brit, 63 & Austria, 66. Agr. Econ. Asn. Science of cooperation; international cooperative legislations. Publ: Essays on modern cooperation, 64, The Rochdale principles today, 66 & International development of cooperative legislation, 66, Washington State Univ. Address: Dept. of Agricultural Economics, Washington State University, Pullman, Wash. 99163.
- VALLANCE, DR. THEODORE R(OOSEVELT), b. Columbus, Ohio, Nov. 22, 19; m. 44; c. 3. PSYCHOLOGY. A.B., Miami (Ohio), 40; M.A., Syracuse, 41, Ph.D., 50. Asst. prof. psychol, Massachusetts, 48-52; dir. officer personnel res. proj, Naval Officer Cand. Sch, 52-54; dir. res. human res. unit I, Continental Army Command, 54-56; dept. dir, HumRRO, George Washington, 56-62; dir. center res. soc. systs, American Univ, 62-66; chief, off. planning, Nat. Inst. Ment. Health, 66-67; ASSOC. DEAN COL. HUMAN DEVELOP. & PROF, PA. STATE, 67- Consult, oper. res. off, Hopkins, 51-; Res. Anal. Corp, 62- U.S.A.A.F, 42-46, Capt. AAAS; Psychol. Asn; Sociol. Asn. Social change processes; impact of science on society; personality and social structure; social systems and social indicators analysis; culture and personality. Publ: Co-auth, Optimizing military assistance training, World Polit, 62; auth, Project Camelot: an interim postlude, Am. Psychologist, 5/66, The

- government-university relation in social science: a review of some issues, *Am. Behav. Scientist*, 6/87. Address: 548 Hillcrest Ave, State College, Pa. 16801.
- VALLEAU, DR. DELMAR STOREY**, b. July 1, 17; Can. citizen; m. 45. BUSINESS ADMINISTRATION. B.S. California, Los Angeles, 59, M.B.A. 60, fel. 64-65, Ph.D.(bus. admin), 67. Mem. Legis. Assembly, Sask. 44-48; wheat farmer, Sask. 45-60; asst. prof. bus. Sacramento State Col. 60-61; res. asst. bus. admin. California, Los Angeles, 62-63; ASSOC. PROF. MGT. SONOMA STATE COL. 66- R.C.A.F. 41-44. Management succession—a study of staffing practices. Address: Dept. of Management, Sonoma State College, 1801 E. Cotati Ave, Rohnert Park, Calif. 94928.
- VALLEE, PROF. FRANCIS G(ERALD)**, b. Montreal, Que. July 27, 18; m. 47; c. 4. ANTHROPOLOGY, SOCIOLOGY. B.A. McGill, 50; Ph.D.(sociol), London, 54. Lectr. anthropol. Edinburgh, 52-54, sr. lectr. 54-55; chief res. div. Dept. Citizenship & Immigration, Ont. 55-57; asst. prof. sociol. McMaster, 57-59, assoc. prof. 59-64; PROF. SOCIOL. & CHMN. DEPT. CARLETON (ONT), 64- Mem. Northwest Territories Legis. Coun. 64-67. Anthropol. Asn; Can. Polit. Sci. Asn; Royal Anthropol. Inst. Gt. Brit. Immigrant adjustment and ethnic groups; impact of technological change on non-industrial societies. Publ: Co-auth, Survey of contemporary Indians of Canada, Queen's Printer, 67; auth, Eskimo and Kabloona in the central Keewatin, Monogr. Ottawa Dept. North. Affairs; Eskimo theories of mental illness, *Anthropologica*, 64. Address: Dept. of Sociology, Carleton University, Ottawa, Ont. Can.
- VALLEE, DR. LIONEL**, b. Montreal, Que. Oct. 15, 31; m. 57. ANTHROPOLOGY. B.A. Montreal, 54, M.A. 57; Ph.D.(anthropol), Cornell, 64. Asst. prof. ANTHROP. MONTREAL, 64-68, ASSOC. PROF. 68-, CHMN. DEPT. 65- Can. Coun. of Arts grant, 66; Can. Coun. grant, 69. Asn. French Speaking Sociol. & Anthropol.(v.pres, 67, 68). Ethnography; methodology; ecology; family; South America; Caribbean. Address: Dept. of Anthropology, University of Montreal, Montreal, Que. Can.
- VALLERY, DR. H(ERMAN) FLOYD**, b. Naples, La. Apr. 6, 17; m. 39; c. 2. PSYCHOLOGY. B.A. La. State, 39, M.A. 42, M.A. & Ed.D. Columbia, 50. Supvr. res. & records, Works Proj. Admin. La. 40-42; training officer, guid. center, Vet. Admin. 46-50; supvr. guid. center & assoc. prof. ed. AUBURN, 50-58, ASST. TO PRES. 59- Consult. from Univ. Chicago, Dacca & Punjab Univs, Pakistan, 61- Mem. State Adv. Cmt. Except. Children, Ala. 59-60. U.S.A. 42-46, Capt. Psychol. Asn; Personnel & Guid. Asn. Address: 314 Gardner Dr, Auburn, Ala. 36830.
- VALLIER, DR. IVAN**, b. Weston, Iowa, Feb. 14, 27; m. 60; c. 1. SOCIOLOGY. B.A. Utah, 53; Blanch Shepard fel. Hebrew Univ. Israel, 53-54; M.A. & Ph.D.(sociol), Harvard, 59. Instr. sociol. & anthropol. Dartmouth Col. 58-59; asst. prof. sociol. Columbia, 59-64, assoc. prof. 64-65; assoc. res. sociologist, INT. STUDIES, CALIFORNIA, BERKELEY, 65-66, RES. SOCIOLOGIST, 66- Ford Found. For. Area fel. 64-65. U.S.M.C. 45-47. Sociol. Asn. Israeli kibbutzim as culture and economy; world religions' missionary structures and ideology; religious elites and political development in Latin America; Roman Catholicism in France, Chile, and United States; comparative methodology. Publ: Social change in the Kibbutz economy, *Econ. Develop. & Cultural Change*, 62; Recent theories of development, In: Trends in social science research in Latin America, Inst. Int. Studies, Univ. California, Berkeley, 65; Religious elites: differentiations and developments in Roman Catholicism, In: Latin American elites, Oxford Univ. 67. Address: 17 Virginia Court, Walnut Creek, Calif. 94598.
- VAN ALSTYNE, DR. DOROTHY**, b. Brooklyn, N.Y. Nov. 18, 99. PSYCHOLOGY. A.B. Vassar Col. 21; M.A. Columbia, 22, Ph.D.(ed. psychol), 29. Res. psychologist, Behav. Res. Fund & asst. dir. & psychologist, Winnetka Garden Apts. & Chicago Norm. Col. Nursery Schs. 29-34; psychologist, Francis W. Parker Sch. 34-40; asst. prof. ed. Colorado, 40-42; ed. psychol. Duke, 42-46; chief clin. psychologist, bur. ment. hyg. D.C. Health Dept. 47-56; clin. psychologist, Manatee-Sarasota Guid. Center, 57-61; PART-TIME CLIN. PSYCHOLOGIST, 61- Dipl. Am. Bd. Exam. Prfln. Psychol. Fel. Psychol. Asn; Soc. Res. Child Develop. Psychology of reading; tests and measurements; projective techniques. Publ: The environment of three-year-old children, factors related to intelligence and vocabulary tests, *Teachers Col. Bur. Pub.* 29; Play behavior and choice of play materials of pre-school children, *Univ. Chicago*, 32; The Van Alstyne picture vocabulary test, *Harcourt*, 61. Address: 606 Canal Rd, Sarasota, Fla. 33581.
- VAN ARSDELL, PROF. PAUL M(ARION)**, b. Indianapolis, Ind. Sept. 25, 05. FINANCE. B.S. Illinois, 27, M.S. 29, Ph.D. 35. Asst. examiner, ILLINOIS, URBANA, 27-29, asst. econ. 29-35, instr. 35-39, assoc. 39-41, asst. prof. 41-45, assoc. prof. 45-49, prof. 49-57, PROF. FINANCE & HEAD DEPT. 57-, assoc. dean, col. commerce & bus. admin. 53-57. Consult. Picture Craft Co. Ill. 54; Bell Tel. Syst. 55-59. Prin. bus. economist, Off. Price Admin. 42-43. U.S.N. 43-46, Lt. Comdr. Corporation finance. Econ. Asn; Finance Asn.(v.pres, 59; pres, 60). Publ: Problem manual in security analysis; Problem manual in corporation finance; Principles of corporation finance. Address: Dept. of Finance, 313 David Kinley Hall, University of Illinois, Urbana, Ill. 61801.
- VAN ARSDOL, PROF. MAURICE D(ONALD) JR**, b. Seattle, Wash. May 4, 28; m. 50. SOCIOLOGY. B.A. Washington (Seattle), 49, M.A. 52, Ph.D.(sociol), 57. Asst. sociol. off. pop. res. Washington (Seattle), 50-53, acting instr. SOCIOL. 54-57; asst. prof. SOUTHERN CALIFORNIA, 57-61, assoc. prof. 61-65, PROF. & DIR. POP. RES. LAB. 65-, res. assoc. youth studies center, 58-62, co-dir. pop. res. lab. 60-65. Nat. Sci. Found. res. grant & Haynes Found. res. grant, 59-62; West. Mgt. Inst. res. grant, 62; Nat. Inst. Ment. Health res. grants, 62- U.S.A. 52-53. Fel. AAAS; Statist. Asn; fel. Am. Geog. Soc; Int. Union Sci. Study Pop. Human ecology; population studies; social disorganization. Publ: Co-auth, Generality of urban social area indexes & Time and population sampling, *Am. Sociol. Rev.*; co-auth, Patterns of city growth, *Am. J. Sociol.* Address: Dept. of Sociology, University of Southern California, Los Angeles, Calif. 90007.
- VAN ATTA, PROF. LOCHE**, b. Yakima, Wash. July 28, 23; m. 46; c. 3. PSYCHOLOGY. B.S. Washington State, 49, B.Ed. 50, M.S. 51, Ph.D.(psychol), 55. Asst. psychol. Washington State, 50-54, asst. psychometrist, student counseling center, 55; from instr. to PROF. PSYCHOL. OBERLIN COL. 55- Fel. psychol. Yale, 63-64; vis. prof. & Nat. Sci. Found. sci. faculty fel. Emory, 66-67. AAAS; Psychol. Asn; Psychonomic Soc. Animal learning; brain mechanisms and behavior; neurophysiological mechanisms in motivation and emotion. Publ: Co-auth, Statistical concepts, 63 & Introduction to descriptive statistics and correlation, 65, McGraw; auth, Two studies of latent extinction in the U-Maze, *Psychol. Reports*, 58. Address: Dept. of Psychology, Oberlin College, Oberlin, Ohio 44074.
- VAN AUKEN, K(ENNETH) G(ODFREY) JR**, b. Glen Ridge, N.J. Sept. 30, 18; m. 42; c. 2. ECONOMICS. B.S. Tufts Col. 41. Asst. chief time study dept, Walter Kidde Co. 42-44; regional prod. analyst, BUR. LABOR STATIST. U.S. DEPT. LABOR, 46-51, chief br. factory performance reports, 51-54, asst. chief div. prod. & tech. develop. 55-59, chief off. mobilization planning, 59-63, SPEC. ASST. TO CMNR, 63- Consult. French Prod. Center, Paris, 48; Austrian Prod. Center, Vienna, 50; manpower adv. Govt. Morocco, Rabat, 66. U.S.N.R. 44-46, Lt. Econ. Asn. Plant level productivity measurement; developments in technology. Publ: Introduction of an electronic computer in a large insurance company; Plant level productivity in French and American shoe manufacturing, *Monthly Labor Rev.*; co-auth, Case study data on productivity and factory performance, *Women's Dresses*. Address: 2929 University Blvd. W, Kensington, Md. 20795.
- VAN BEERS, PROF. G. G. b. Paree, Indonesia, June 29, 31; m. 63; c. 2. ECONOMICS. Drs.(econ, sociol), Utrecht, 63. Staff mem, Netherlands Univs. Found. Int. Coop. 63-65; ASST. PROF. ECON. GUELPH, 65- Adv. dir. Overseas Inst. Can. 67- Soc. Int. Develop. Economic development and labor economics. Address: Dept. of Economics, Wellington College, University of Guelph, Guelph, Ont. Can.**
- VAN BIBBER, DR. FLORENCE HOLLIDAY**, Psychol, see 10th ed, Soc. & Behav. Vols.
- VAN BROCKLIN, DR. RALPH M(ERTON)**, Hist. Polit. Sci., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- VAN BUER, DR. FRANKLIN DELANO**, b. Savanna, Ill. Mar. 2, 34; m. 53; c. 3. ECONOMICS. B.S.Ed. Northern Illinois, 60, M.A. 64, fel. Illinois, 63, Midwest Univs. Consortium Int. Activities fel. 65, Ph.D.(econ), 68. ASST. PROF. ECON. NORTHERN ILLINOIS, 66- South Viet Nam tax syst. study consult. Develop. & Resources Corp. 68. U.S.A.F. 53-57. Am. Econ. Asn; Nat. Tax Asn; Soc. Int. Develop; Nigerian Econ. Soc. Taxation and public finance in less developed countries. Address: Dept. of Economics, Northern Illinois University, DeKalb, Ill. 60115.
- VAN BUSKIRK, DR. W(ILLIAM) L(YNFORD)**, b. Blakeley, Pa. Dec. 26, 04; m. 31. PSYCHOLOGY. A.B. Lafayette Col. 27; A.M. Pennsylvania, 29, Ph.D.(psychol), 32. Instr. merchandising, Wharton Sch, Pennsylvania, 30-32; prof. psychol. Phila. Col. Pharm. 32-38; sr. statistician, res. bur. State Dept. Pub. Assistance, Pa. 38-42; dir. psychol. dept. Kimberly-Clark Corp. 46-65; MGT. PSYCHOL. CONSULT. 65- Dipl. Am. Bd. Exam. Prfln. Psychol. 50. U.S.A. 42-46, Maj. Psychol. Asn. Applications of psychology in business and industry. Publ: An experimental study of vividness in learning and retention, *J. Exp. Psychol.*; Some educationally significant features of the pharmaceutical personality, *Am. J. Pharmaceut. Ed.* Address: 1324 Oakcrest Court, Appleton, Wis. 54911.
- VANCE, EDGAR L(EIGH)**, Psychol, see 10th ed, Soc. & Behav. Vols.
- VANCE, DR. FORREST L(ESLIE)**, b. Oak Park, Ill. Oct. 26, 29; m. 50; c. 3. CLINICAL PSYCHOLOGY. B.A. Minnesota, 52, Ph.D. 58. Lab. technologist child develop. Minnesota, 52-53, asst. psychol. 53-54; psychol. trainee, Vet. Admin. 54-57; instr. psychol. Minnesota, 57-58, asst. prof. 58-62, assoc. prof. 62-63; admin. officer, Am. Psychol. Asn. 63-65; assoc. prof. psychol. ROCHESTER, 65-68, PROF. COUNSELING & PSYCHOL. 68-, DIR. COUNSELING CENTER, 65- Mem. Nat. Ment. Health Manpower Studies Adv. Cmt. 64-66. AAAS; Psychol. Asn; Personnel & Guid. Asn. Motivation theory; personality measurement; vocational and academic achievement. Address: Dept. of Psychology, University of Rochester, Rochester, N.Y. 14627.
- VANCE, PROF. JAMES E(LMON) JR**, b. Natick, Mass. Dec. 2, 25; m. 54. GEOGRAPHY. Res. geogr. cent. bus. dist. study, off. naval res. Clark, 52-53; instr. GEOG. Arkansas, 53-55; asst. prof. Wyoming, 55-57; Nebraska, 57-58; CALIFORNIA, BERKELEY, 58-62, ASSOC. PROF. 62- U.S.A. 44-46, 1st Lt. Asn. Am. Geog. Soc; Am. Geog. Soc; Royal Geog. Soc; Inst. Brit. Geog. Urban and transportation geography. Publ: Labor-shed, employment field, and dynamic analysis in urban geography; Emerging patterns of commercial structure in American cities; co-auth, Central business district studies. Address: Dept. of Geography, University of California, Berkeley, Calif. 94720.
- VANCE, PROF. LAWRENCE L(EE)**, b. St. Louis, Mo. Jan. 16, 11; m. c. 2. ACCOUNTING. B.B.A. Minnesota, 32, M.A. 33, Ph.D. 47. Lectr. ACCT. CALIFORNIA, BERKELEY, 41-47, from assoc. prof. to PROF. 47- Acct. Asn.(pres, 66-67); Econ. Asn. Accounting theory; application of statistical theory to auditing. Publ: Accounting principles and control; co-auth, Tables for estimating error rates or other proportions; Statistical sampling for auditors and accountants, Wiley, 56. Address: Dept. of Business Administration, University of California, Berkeley, Calif. 94549.
- VANCE, PROF. RUPERT B(AYLESS)**, b. Plummerville, Ark. Mar. 15, 99; m. 29; c. 3. SOCIOLOGY. B.A. Henderson-Brown Col. 20; M.A. Vanderbilt, 21; Ph.D. (sociol), North Carolina, 23; LL.D. Hendrix Col. 38, Arkansas 54. Teaching fel. SOCIOL. NORTH CAROLINA, CHAPEL HILL, 27-28, res. assoc. INST. RES. SOC. SCI. 28-37, RES. PROF. 37-, KENAN PROF. UNIV. 46- Mayflower Cup award, 33. Sociol. Asn.(pres, 44); Econ. Asn; Pop. Asn. Am.(v.pres, 48, pres, 50). Demography; human geography; land tenure. Publ: Human geography of the South; All these people; ed, Urban

- South. Address: Dept. of Sociology, University of North Carolina, Chapel Hill, N.C. 27515.
- VANCE, PROF. RUSSELL EDWARD, U.S. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- VANCE, PROF. STANLEY, b. Minersville, Pa, May 5, 15. INDUSTRIAL ADMINISTRATION. A.B. St. Charles Sem, 37; McCann Sch. Bus, 41-43; A.M. Pennsylvania, 44, Ph.D. 51; Found. Econ. Ed. fel, 50. Instr. Wharton Sch, Pennsylvania, 46-47; asst. prof. indust, Connecticut, 47-52, assoc. prof, 52-54; prof. indust. admin, Massachusetts, 54-56; dean col. bus. admin, Kent, 56-60; H.T. MINER PROF. BUS. ADMIN, OREGON, 60- Soc. Adv. Mgt; Acad. Polit. & Soc. Sci; Inst. Mgt; fel. Acad. Mgt. (ed, jour, 66-7). Capital productivity analysis and measurement in bituminous coal mining; industrial management; organization theory; operations research. Publ: Management decision simulation: a non-computer business game; Industrial structure and policy; The corporate director: a critical evaluation, Dow Jones-Irwin, 68. Address: School of Business Administration, University of Oregon, Eugene, Ore. 97403.
- VAN CLEAVE, DR. WILLIAM R(OBERT), b. Kansas City, Mo, Aug. 27, 35; m; c. 2. INTERNATIONAL RELATIONS. B.A. Calif. State Col. Long Beach, 62; Woodrow Wilson fel, California, Los Angeles, 62; Nat. Defense fel, Claremont Grad. Sch. & Grad. Center, 64-67, M.A. 65, Ph.D. (govt, int. rels), 67. Political scientist & strategic analyst, strategic studies center, Stanford Res. Inst, 64-68; ASST. PROF. INT. RELS, SOUTHERN CALIFORNIA, 67-Consult, Hoover Inst, Stanford; Douglas Aircraft Co. & Int. Res. & Tech. Corp, 67-68; Stanford Res. Inst, 68-; Prog. dir, Int. Res. & Tech. Corp, 68-U.S.M.C. 53-57, S/Sgt. Am. Polit. Sci. Asn; Inst. Strategic Studies, State and development of international nuclear science and technology; requirements of nuclear weapons development, testing and planning; research and analysis of strategic offensive and defensive nuclear weapons systems, and tactical nuclear weapons. Publ: The nuclear weapons debate, U.S. Naval Inst. Proc, 5/66; co-auth, India and Japan: The technological comparison of two nuclear powers, Asian Surv, 7/67; auth, The nonproliferation treaty and fission-free explosive research, Orbis, 6/68. Address: School of International Relations, University of Southern California, Los Angeles, Calif. 90007.
- Van CLEEF, PROF. EUGENE, b. Chicago, Ill, Jan. 17, 87; m. 15. GEOGRAPHY. S.B. Chicago, 08; Leipzig, 13-14; Ph.D. (geog), Clark, 26. ASST. prof. GEOG, OHIO STATE, 21-24, prof, 24-57, BUS. ORGN, 47-57, EMER. PROF, 57- Knight, Order of White Rose, Finland, 37, Comdr, 41. AAAS; Nat. Coun. Geog. Ed. (writing award, 62); Meteorol. Soc; Asn. Am. Geog. Climatology; Finland; urbanism. Publ: The state of Israel, a look ahead, Mid. East J, 64; The 500-mile circle, Bull. Bur. Bus. Res, Ohio State Univ, 67; Downtown, demolition or renovation, J. Property Mgt, 7-8/67. Address: Ohio State University, 1775 S. College Rd, Columbus, Ohio 43210.
- VAN COTT, DR. HAROLD P(ORTER), b. Schenectady, N.Y, Nov. 16, 25; m. 53; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Rochester, 48; M.A. North Carolina, 51, Ph.D. (psychol), 54. Asst. prof. psychol, Alfred, 52-53; res. psychologist, submarine base, U.S. Dept. Navy, 53-55; dir. systs. & human eng, Am. Inst. Res, 55-58; staff engr, prod. develop. lab, Int. Bus. Mach. Corp, 58-59, mgr. human factors, fed. systs, div, 59-63, dir. adv. develop, 63-64; DIR. INST. RES. HUMAN PERFORMANCE, AM. INST. RES, 64-Lectr, Pittsburgh, 57-58; Dutchess Community Col, 58-59. Consult, Am. Inst. Res, 58-; Army Res. Off, 64-; Hwy. Res. Bd, Nat. Acad. Sci-Nat. Res. Coun, 67- Med.Serv.C, U.S.A. 45-46. Fel. Psychol. Asn; Human Factors Soc; Asn. Ed. Data Systs. Human performance; information systems; decision-making; educational technology; transportation and urban systems. Publ: Co-auth, A feasibility study of the factor analysis of scientific journal literature, 66 & The effects of map design variables on map user performance, 67, Am. Inst. Res; Human dermo-optical perception: colors of objects and of projected light differentiated with fingers, Perceptual & Motor Skills, 25: 525-542, 67. Address: Institute for Research on Human Performance, American Institute for Research, 8555 16th St, Silver Spring, Md. 20910.
- VAN COURT, DR. SAMUEL WOODROW, b. Meridian, Idaho, Jan. 10, 18; m. 47; c. 2. PSYCHOLOGY. B.A. Youngstown, 39; M.A. N.Y. Univ, 46, Ph.D. 51. Teacher, pub. schs, 39-41; instr. psychol, N.Y. Univ, 46-52; dir. de Florez Co, Inc, 52-54; PSYCHOL. RES. COORDINATOR, 54- Lectr, Wagner Col, 47; N.Y. Univ, 52-58. Consult, human factors res, de Florez Co, Inc, 54-; Marsh-Theiss Eng. Co, 55-56; Skidmore, Owings & Merrill & Equitable Life Assurance Soc, 57; Hollywood Shoe Polish Co. & Shapiro & Schissel, 59. Pres, Mem. Navy Nat. Selection, Policy Bds, 63-; sr. mem, Naval Air Reserve Mgt. Study Group, 65- U.S.N.R. 41-. Capt. Psychol. Asn. Human factors; aviation; educational psychology; international relations; management research. Publ: Human factors in the use of a double deck elevator system; Flight instrumentation, U.S. Navy, 53; Program design in research. Address: Apt. 1-CE, 21 Schenck Ave, Great Neck, N.Y. 11021.
- VAN DAHM, PROF. THOMAS E(WARD), b. Chicago, Ill, Feb. 20, 24; m. 51; c. 1. ECONOMICS. A.B. Hope Col, 48; M.A. Michigan, 49, Ph.D. 59. Instr. ECON, Kemper Mil. Sch, 48-50; asst. prof, Central Col, 50-53; Augustana Col, 54-55; Hope Col, 55-60; Southern Illinois, 60-64; PROF, CARTHAGE COL, 64- U.S.A. 43-46. Econ. Asn; Finance Asn. Economic theory; money and banking; public finance. Address: Dept. of Economics, Carthage College, Kenosha, Wis. 53140.
- VAN DE CASTLE, PROF. ROBERT, b. Rochester, N.Y, Nov. 16, 27; m. 49; c. 5. PSYCHOLOGY. B.A. Syracuse, 51; M.A. Missouri, 53; U.S. Pub. Health Serv. fel, North Carolina, 57-58, Ph.D. (clin. psychol), 58. Res. assoc. parapsychol, Duke, 54-55; instr. psychol, Idaho State Col, 58-59; asst. prof, Denver, 59-63; assoc. dir, Inst. Dream Res, 63-65; assoc. prof. PSYCHOL, sch. med, North Carolina, 65-67; PROF, SCH. MED, VIRGINIA, 67- Dipl. clin. psychol, Am. Bd. Exam. Prfnl. Psychol, 67- Psychol. Asn; Parapsychol. Asn. Content analysis of dreams; relationship of dream scores to projective test scores, psychophysiological indices and measures of waking behavior. Publ: Co-auth, Content analysis of dreams, Appleton, 66; An empirical investigation of the castration complex in dreams, J. Personality, 65; auth, Development and validation of a perceptual maturity scale using figure preferences, J. Consult. Psychol, 65. Address: Dept. of Psychiatry, University of Virginia Medical School, Charlottesville, Va. 22901.
- van DELDEN, PROF. E(GBERT) H(AROLD), b. Whiting, Ind, July 10, 05; m. 38. INDUSTRIAL RELATIONS. A.B. Columbia, 28; Columbia scholar, Paris, 29; M.B.A. N.Y. Univ, 37, Ph.D. (mgt. & indust. rels), 40. Asst. prof. mgt, grad. sch. bus. admin, N.Y. Univ, 37-42; dir. indust. rels, Libbey-Owens-Ford Glass Co, 43-50; PROF. INDUST. RELS, GRAD. SCH. BUS. ADMIN, N.Y. UNIV, 50-, chmn. dept. human resources, 61-64. Supvr. indust. rels. res, Allis Chalmers Mfg. Co, 41-43; regional dir, Off. Salary Stabilization, 51-53; v.pres. & dir, Schenley Distillers, Inc, 53-57; spec. asst. to dir, Fed. Mediation & Conciliation Serv, 57; vis. res. prof, Arizona State, 65-66; Ford Found. proj. assoc. & prof. Alexandria, 66-67. Consult, secy. commerce, U.S. Dept. Commerce, 47-51; Walter Kidde & Co, 53-54; Orgn. for European Econ. Coop, 58-59. Mem, UNESCO Cmn, Lagos, 61. Arbit. Asn; fel. Soc. Adv. Mgt. (v.pres, 42-44); fel. Acad. Mgt; Indust. Rels. Res. Asn. Collective bargaining; personnel development; employment stabilization. Publ: Co-auth, Steadier jobs; Personnel handbook; Supervisor's management guide. Address: P.O. Box 187, Rancho Mirage, Calif. 92270.
- VANDENBERG, PROF. STEVEN G(ERRITJAN), Psychol, see 11th ed, Phys. & Biol. Vols.
- VAN DEN BERGHE, PROF. PIERRE L(OUIS), b. Lubumbashi, Congo, Jan. 30, 33; U.S. citizen; m. 56; c. 2. SOCIOLOGY, ANTHROPOLOGY. B.A. Stanford, 52, M.A. 53; Sorbonne, 56-57; M.A. Harvard, 59, Ph.D. (sociol), 60. Lectr. SOCIOL, Natal, 60-61; asst. prof, Wesleyan, 62-63; assoc. prof, State Univ. N.Y. Buffalo, 63-65; PROF, WASHINGTON (SEATTLE), 65- Ford Found. for. area fel, 60-61; vis. prof, East Africa, 67-68; Rockefeller Found. vis. prof, 67-69. Med.C. U.S.A. 54-56. Fel. Sociol. Asn; fel. Anthropol. Asn; fel. African Studies Asn. Publ: Africa: social problems of change and conflict, Chandler, 65; South Africa: a study in conflict, Univ. California, 67; Race and racism, Wiley, 67. Address: Dept. of Sociology, University of Washington, Seattle, Wash. 98105.
- VANDENBOSCH, PROF. AMRY, b. Zeeland, Mich, Dec. 14, 94. POLITICAL SCIENCE. Ph.B. Chicago, 20, Ph.D. 26; LL.D. Kentucky, 65. Asst. prof. polit. sci, KENTUCKY, 26-27, assoc. prof, 27-28, prof, 28-65, head dept, 34-58, dir, Patterson Sch. Diplomacy & Int. Commerce, 57-65, EMER. PROF. POLIT. SCI, 65- Soc. Sci. Res. Coun. fel, 29-30; mem. staff, Off. Coordinator Info, 41-42; U.S. Dept. State, 42-44; Off. Strategic Serv, 44-45; vis. prof, Northwestern, 47-48; mem. staff, North Carolina, 54; Fulbright lectr, Leiden, 57-58; vis. prof, Centre Col, 66-67; Tennessee, 67-68. Summer, mem. staff, Sch. Adv. Int. Studies, 52. Mem, Inst. Pac. Rels. U.S.A. 18-19. Polit. Sci. Asn; Am. Soc. Int. Law. Netherlands foreign policy; governments and politics of southeast Asia. Publ: Dutch East Indies; Dutch foreign policy since 1815; co-auth, Australia faces southeast Asia. Address: 149 Edgemoor Dr, Lexington, Ky. 40503.
- van den HAAG, DR. ERNEST, b. The Hague, Netherlands, Sept. 15, 14; nat. SOCIOLOGY. M.A. Iowa, 42; Harrison fel, Pennsylvania, 43; Ph.D. N.Y. Univ, 52. ADJ. PROF. SOC. PHILOS, N.Y. UNIV; PRACTICING PSYCHOANALYST. Lectr, New Sch. Soc. Res; formerly lectr, City Col, grad. div, Brooklyn Col, Univ. Minnesota & sem. in Am. studies, Salzburg, Austria; vis. prof, Colorado; Guggenheim fel, 67. Fel. Am. Sociol. Asn; fel. Royal Econ. Soc. Economic theory; social theory. Publ: Education as an industry; co-auth, The fabric of society; auth, Passion and social constraint, Stein & Day, 63 & Dell, 65. Address: 118 W. 79th St, New York, N.Y. 10024.
- VANDER, PROF. HARRY J(OSEPH), III, b. Slidell, La, Sept. 6, 13. GEOGRAPHY, SOCIAL SCIENCE. B.A. Southern Univ, 39; M.Ed. Wayne State, 47; Michigan, 47-48; Mich. State, 51-52; Syracuse, 52-54; Ph.D. (Latin Am), Inter-Am. Univ. P.R. 67. Teacher, pub. schs, Mich, 45-48; assoc. prof. geog, Texas Southern, 48-51; res. adv. men's dormitory, Syracuse, 52-53; asst. State Ment. Health Cmn, N.Y. 53-54; assoc. prof. geog, Tenn. Agr. & Indust. State, 54-55; soc. sci, Talladega Col, 55-56; JACKSON STATE COL, 56-67, PROF. GEOG, 67- Summers, instr, Southern Univ, 48; South East Asian fel, Boston, 61. U.S.A.A.F. 40-45, M/Sgt. Sociol. Asn; Geog. Soc; Coun. Geog. Ed; Asn. Ment. Deficiency. Publ: Ethnology of the Pacific Basin; Human geography workbook, Burgess, 67; Political and economic progress of the American Negro, 1940-1963, W.C. Brown, 68. Address: Dept. of Geography, Jackson State College, Jackson, Miss. 39217.
- VAN DERA, PATRICIA M, b. U.S. Wis. ECONOMICS. Rate analyst, Pub. Serv. Cmn. Wis, 34-39; res. economist, elec. power surv, Twentieth Century Fund, 39-40; res. asst. to reorgn. adv, Trustees Assoc. Gas & Elec. Corp, 40-41; economist, off. war utilities, War Prod. Bd, 41-44; bur. budget, Exec. Off. President, 44-45, 47-49; off. intel. res, U.S. Dept. State, 49-50; prog. specialist, OFF. ASST. SECY. FOR WATER & POWER DEVELOP, U.S. DEPT. INTERIOR, 50-53, PROJ. REV. COORDINATOR, 54- Lectr. engr, Off. U.S. Mil. Govt, Berlin, Germany, 46. AAAS; Econ. Asn. Public utility and industry economics; natural resources. Address: 4501 Connecticut Ave. N.W, Washington, D.C. 20008.
- VANDERBECK, JOHN P(HILIP), Statist, see 11th ed, Phys. & Biol. Vols.
- van der BRUGH, P(ETER) G(YSBERTUS) F(RANCOIS) H(ERMAN), b. Westwood, The Netherlands, Oct. 1, 08; nat. Can; m. 55. LAW, ECONOMICS. B.Law, Utrecht, 29; M.Law, Leiden, 32. Chief finance, Scandinavian & N.Am. Sects. of Directorate Gen. for For. Econ. Rels, Dept. Econ. Affairs, The Hague, 45-47; dir. Dept. Econ. Affairs, Surinam, 47-52; economist, econ. & statist. br, DEPT. DEFENCE PROD, CAN, 52-58, CONTRACTS OFFICER, ELECTRONICS BR, 58- Mem. Can. Inst. Int. Affairs. Am. Econ. Asn; Can. Econ. Asn; Netherlands Polit. Econ. Soc. Balance of payments; development of underdeveloped countries. Address: 1252 Surrey Ave, Ottawa 10, Ont, Can.
- VANDERGRIFT, LT. COL. KENNARD SMITH, SR, U.S.A. Polit. Sci, see 10th ed, Soc. & Behav. Vols.

VANDERHAM, PROF. ROBERT C(LAIR), b. Kansas City, Mo, May 6, 22; m. 44; c. 4. SOCIOLOGY. B.A. DePauw, 47, M.A. 49; M.S.W. Mich. State, 62. Asst. prof. sociol, Hope Col, 49-58; Mt. Union Col, 58-59; caseworker, D.A. Blodgett Homes for Children, 59-64, casework supvr, 64-66; ASSOC. PROF. SOCIOL, HOPE COL, 66- Consult. soc. welfare community orgn, Holland City, Mich, 67- U.S.N. 44-47, Ens. Nat. Assn. Soc. Workers. Foster child care. Address: Dept. of Sociology, Hope College, Holland, Mich. 49423.

VANDERHILL, PROF. BURKE G(ORDON), b. La Porte, Ind, Jan. 15, 20; m. 52; c. 2. GEOGRAPHY. B.S. Mich. State, 41; M.A. Nebraska, 47; Rackham fel, Michigan, 48-50, Ph.D. 56. Instr. GEOG, Mich. State, 47-48; Eastern Michigan, 50; asst. prof. F.L.A. STATE, 50-57, assoc. prof. 57-65, PROF, 65- Summer vis. prof, Eastern Michigan, 58, 66, British Columbia, 61, 63. U.S.A.A.F, 42-45, Sgt. Asn. Am. Geog. Frontier settlement, especially in western Canada; land use and reclamation; historical geography. Publ: Observations in the pioneer fringe of Western Canada & Direction of settlement in the prairie provinces of Canada, J. Geog; Post-war agricultural settlement in Manitoba, Econ. Geog. Address: Dept. of Geography, Florida State University, Tallahassee, Fla. 32306.

VANDERKAMP, DR. JOHN, b. Aalten, Holland, Nov. 7, 34; c. 2. ECONOMICS. B.Sc. Amsterdam, 57; M.B.A. Toronto, 59; Ph.D.(econ), London, 64. Economist, Bank of Can, Ottawa, 59-62; asst. prof. ECON, BRITISH COLUMBIA, 64-68, ASSOC. PROF, 68- Can. Coun. res. grant & B.C. Prov. & Fed. Dept. Labour res. grant, 66; Task Force on Labor Rels. Privy Coun. Can. res. grant, 67. Econ. Study Soc; Can. Econ. Asn. Labor mobility; wage adjustment; occupational wage structure; inflation theory; structural unemployment; time pattern of industrial conflict. Publ: Co-auth, The British Columbia labour force: a study in labour market adjustment, Univ. British Columbia, 66; auth, Wage and price level determination; an empirical model for Canada, *Economica*, 5/66; An application of Lipsey's concept of structural unemployment, *Rev. Econ. Studies*, Vol. 33, No. 3. Address: Dept. of Economics, University of British Columbia, Vancouver 8, B.C., Can.

VANDERKOOI, DR. RONALD CHARLES, b. Newton, Iowa, Feb. 6, 38; m. 65. SOCIOLOGY. A.B. Calvin Col, 60; M.A. Western Michigan, 61; Ph.D.(sociol), Mich. State, 66. Instr. SOCIOL, Indiana, 63-64; Western Michigan, 65-66; ASST. PROF. ILLINOIS, CHICAGO, 66- Consult, Dept. Urban Renewal, City of Chicago, 66-67. Sociol. Asn; Soc. Study Social Probs. Urban community and planning. Publ: Relocating West Madison skid row residents, *Chicago Circle Studies*, 1/68. Address: Dept. of Sociology, University of Illinois, Chicago, Ill. 60680.

VANDER KROEF, PROF. JUSTUS M, b. Indonesia, Oct. 30, 23; nat; m. 55; c. 2. INTERNATIONAL RELATIONS. A.B. Millsaps Col, 43; M.A. North Carolina, 47; fel, Columbia, 47-48, Ph.D.(hist), 53. Instr. hist, Mich. State, 48-52, asst. prof. for. studies, 52-55; assoc. prof. sociol, BRIDGEPORT, 56-67. CHARLES ANDERSON DANA PROF. POLIT. SCI. & CHMN. DEPT, 67- Sr. fel. res. inst. communist affairs, Columbia, 65-66. Mem. Royal Inst. Langs, Netherlands. History and political and social aspects of modern Indonesia; social and political institutions of Southeast Asia; Far Eastern governments. Publ: The West New Guinea dispute; The Communist party of Indonesia; Communism in Malaysia and Singapore: a contemporary survey. Address: Dept. of Political Science, University of Bridgeport, Bridgeport, Conn. 06602.

VANDER LINDE, DR. LEONARD C(ORNELIUS), JR, b. Grand Rapids, Mich, Apr. 12, 22; m. 49; c. 3. CLINICAL PSYCHOLOGY. A.B. Calvin Col, 49; M.A. Boston, 51, Ph.D.(clin. psychol), 55. Clin. psychol. trainee, ment. hye. clin, Vet. Admin, Boston, Mass, 50-54, staff clin. psychologist, 54-56; chief clin. psychologist, Kent County Ment. Health Center, Grand Rapids, 56-60; CONSULT, CALVIN COL. & KENT COUNTY JUVENILE COURT, 60- Private practice, 60-; mem. staff, Butterworth & Mary Free Bed Hosps; lectr, Grand Valley State Col, 66. Consult, Wyo. Munic. Court, 64-; Kent Oaks Hosp, 65- U.S.A. 42-46. AAAS; Psychol. Asn; Acad. Polit. & Soc. Sci. Psychophysiology of psychosomatic disorders; experimental derivation of functional brain-models; psychophysiological concomitants of communication and adjustment. Publ: Management of hostility in adult males with migraine headache. Address: 1240 Allerton S.E., Grand Rapids, Mich. 49506.

VANDER MEER, DR. CANUTE, b. Kulangsu, China, Apr. 2, 30; U.S. citizen; m. 55; c. 2. GEOGRAPHY. B.A. Hope Col, 50; M.A. Michigan, 56, Ford Found. fel, 58-60, Ph.D.(geog), 62. Teacher, high sch, Mich, 52-54; instr. GEOG, Michigan, 60-61; WISCONSIN, MILWAUKEE, 61-62, ASST. PROF, 62- Soc. Sci. Res. Coun. grant-in-aid, 63; Nat. Sci. Found. fel, 65-66. Nat. Acad. Sci-Nat. Res. Coun. del. Regional Conf. Southeast Asian Geogr, Malaya, Apr. 62. U.S.A. 51-52, Sgt. Asn. Am. Geog; Asn. Asian Studies. Population and crop patterns in the Philippines; irrigation water management and land ownership patterns in Taiwan and the Philippines. Publ: Corn cultivation on Cebu: an example of an advanced stage of migratory farming, *J. Trop. Geog.*, 5/63; Population patterns on the island of Cebu, *The Philippines*: 1500 to 1900, 6/67 & Changing water control in a Taiwanese rice-field irrigation system, 12/68, *Annals Asn. Am. Geogr.* Address: 12630 N. Lake Shore Dr, Mequon, Wis. 53092.

van der MERWE, DR. NIKOLAAS J(OHANNES), b. Riviersonderend, S.Africa, Aug. 11, 40; U.S. citizen; m. 62; c. 1. ANTHROPOLOGY. B.A. Yale, 62, for. area fel, 64-66, M.A. 65, Ph.D.(anthrop), 66. Res. asst. anthrop, Peabody Mus, Yale, 62-64, carbon-14 dating, radiocarbon lab, 63-66; ASST. PROF. ANTHROP, STATE UNIV. N.Y. BINGHAMTON, 66-, faculty fel. & res. grant-in-aid, 66-67. Assoc. investr. Nat. Sci. Found. res. grant, 63-66. Fel. African Studies Asn; Brit. Inst. Hist. & Archaeol. E.Africa; S.African Archaeol. Soc. Old World archaeology; African Iron Age; physical and chemical methods in archaeology; carbon-14 dating. Publ: The carbon-14 dating of iron, *Univ. Chicago*, 68; auth, New mathematics for glottochronology, 66 & co-auth, Radiocarbon chronology of the Iron Age in sub-Saharan Africa, 68, *Current Anthropol.* Address: Dept. of Anthropology, State University of New York at Binghamton, Binghamton, N.Y. 13901.

VANDERMEULEN, DR. ALICE JOHN, b. Denver, Colo, Oct. 3, 18; m. 41; c. 1. ECONOMICS. A.B. Bryn Mawr Col, 39; A.M. Radcliffe Col, 46, Ph.D. 47. Economist, postwar planning div, U.S. Bur. Labor Statist, Harvard, 41; instr. econ, Simmons Col, 41-42; Wellesley Col, 42-44; Harvard, 46-47; asst. prof, Claremont Colls, 47-60, assoc. prof. econ. & asst. dean faculty, 51-53; from assoc. prof. to SR. LECTR. ECON, CALIFORNIA, LOS ANGELES, 60- John Randolph Haynes & Dora Haynes Found. res. scholar, 49-50. Co-ed, *West. Econ. J.*, 67- Econ. Asn; Finance Asn; Economet. Soc. Public finance and fiscal policy; criteria of governmental expenditures. Publ: Co-auth, National income: analysis by sector accounts. Address: Dept. of Economics, University of California, Los Angeles, Calif. 90024.

VANDERMEULEN, PROF. DANIEL C(ARLSON), b. Buffalo, N.Y., Dec. 18, 14; m. 41; c. 1. ECONOMICS. A.B. Hamilton Col, 36; Lee fel, Harvard, 38-39, Ph.D. 47. Asst. prof. ECON, Claremont Men's Col. & Claremont Grad. Sch. & Grad. Center, 46-47, assoc. prof. 47-57, PROF, CLAREMONT GRAD. SCH. & GRAD. CENTER, 57- Ford faculty fel, 55-56. Econ. Asn; Economet. Soc. Economic theory; business cycles; industrial organization. Publ: Co-auth, National income: analysis by sector accounts. Address: Harper Hall, Claremont Graduate School & Graduate Center, Claremont, Calif. 91711.

VANDERPLAS, PROF. JAMES M(ARTIN), b. Chicago, Ill, May 17, 21; m. 50. PSYCHOLOGY. B.A. Texas, 48; M.A. 49, fel, 50-51, Ph.D.(psychol), 51. Res. psychologist, aero med. lab, Wright Air Develop. Center, Ohio, 51-55; from asst. prof. to PROF. PSYCHOL, WASHINGTON (ST. LOUIS), 55- Summer vis. lectr, Wisconsin, 59. Consult, Lockheed Aircraft Corp, 56-58; Rome Air Develop. Center, 58-59. U.S. Coast Artillery Corps, 40-46, 1st Lt. Psychol. Asn; Psychomet. Soc. Perceptual learning; experimental design; systematic and engineering psychology. Publ: Controversial issues in psychology, Houghton, 66. Address: Dept. of Psychology, Washington University, St. Louis, Mo. 63130.

VAN DER SLICE, PROF. AUSTIN, b. Lincoln, Nebr, July 12, 05; m. 32; c. 3. SOCIOLOGY. A.B. Kansas, 27, A.M. 29; Mich. State Col, 29, 30-32; Chicago, 31; London Sch. Econ, 36; Ph.D. Pennsylvania, 38; Michigan, 38. Asst. prof. sociol, Arkansas, 38-44; soc. sci, Mich. State Col, 44-46; assoc. prof. SOCIOL, AMERICAN UNIV, 46-47, PROF, 47-, CHMN. DEPT, 46-, dean undergrad. div, sch. soc. sci. & pub. affairs, 47-53, assoc. dean undergrad. col, 53-59. Mem. legal sect, Int. Labor Off, Montreal, Can, 45-46; President's Cmt. Employ. of Handicapped, 55- Fel. Sociol. Asn. Sociological theory; international labor, diplomacy and peace, 1914-1919. Address: 7201 Maple Ave, Chevy Chase, Md. 20015.

VAN DER SLIK, DR. JACK RONALD, b. Kalamazoo, Mich, Dec. 14, 36; m. 63; c. 2. POLITICAL SCIENCE. A.B. Calvin Col, 58; A.M. Western Michigan, 61; A.M. Mich. State, 66, Ph.D.(polit. sci), 67. Teacher, jr. high sch, Calif, 58-60; high sch, Colo, 61-62; ASST. PROF. POLIT. SCI, SOUTHERN ILLINOIS, 67- Polit. Sci. Asn. Political organization and behavior, especially legislative processes. Publ: Co-auth, Readings in the dynamics of the American political system, Holt, 69. Address: Dept. of Government, Southern Illinois University, Carbondale, Ill. 62901.

VAN DER SPEK, DR. P(ETER) G(EORGE), b. The Hague, Netherlands, Dec. 15, 25; m. 57. ECONOMICS. Watson scholar, & fel, Fordham, 45-49, M.A. 50, Ph.D.(econ), 54. Mgr. mkt. & econ. res. dept, export & planning div, Celanese Corp, 53-54, int. div, 59-63; economist, Am. Bankers Asn, 55-56; sect. head, econ. dept, Mobil Oil Co, 56-59; int. economist, Bethlehem Steel Corp, 64-65; CONSULT, EOCB, Battelle Mem. Inst, 66-67; U.S. Dept. Commerce, 67; INTER-AM. DEVELOP. BANK, 67- Econ. Asn; Asn. Bus. Econ; Soc. Int. Develop. International economics; foreign trade and investment; business cycles; stock market; competition between fuels; economic growth in underdeveloped countries; analysis of management problems. Publ: Consumption as a determinant of production: a history of underconsumption theories. Address: 1616 18th St, N.W., Apt. 406, Washington, D.C. 20009.

VAN DER VELDT, JAMES H, b. Amsterdam, Holland, Mar. 15, 93. PSYCHOLOGY. Ph.D. Louvain, Belgium, 26; hon. Litt.D. St. Benedict's Col, 59. Prof. psychol. & dean, sch. philos, Pontifical Univ. Propaganda Fide, Italy, 33-40; prof. philos, Dunwoodie Sem, 40-45; prof. psychol, Catholic Univ. & Trinity Col, 45-62, EMER. PROF, CATHOLIC UNIV, 62- Adv. chaplain serv, dept. med. & surg, Vet. Admin, 58. AAAS; Psychol. Asn; Acad. Relig. & Ment. Health. Relationship between psychiatry and religion; history of psychology and psychiatry; psychology and development of personality. Publ: L'apprentissage du mouvement et l'automatisme; Prolegomena in psychologiam; Psychiatry and Catholicism. Address: 9101 Rockville Pike, Washington, D.C. 20014.

van der VEUR, PROF. PAUL W(ILLEM), b. Medan, Indonesia, Aug. 28, 21; nat; m. 51; c. 2. POLITICAL SCIENCE. B.A. Swarthmore Col, 49; scholar, Minnesota, 49-51, M.A. 50; Southeast Asia fel, Cornell, 51-52, 54, Soc. Sci. Res. Coun. fel, 52-53, Ph.D.(govt), 55. Instr. polit. sci, Yale, 54-56, co-dir, Indonesia Res. Proj, Dept. Southeast Asia Studies, 55-56; asst. prof. govt, Hawaii, 56-59, assoc. prof, 59-61; sr. res. fel, Australian Nat. Univ. 61-66; prof. polit. sci, Northern Illinois, 66-67; PROF. GOVT. & DIR. SOUTHEAST ASIA PROG, OHIO, 67- Consult, Southeast Asia Develop. Adv. Group, 67- Royal Netherlands Indies Army, 41-47. Polit. Sci. Asn; Asn. Asian Studies. Political history and comparative politics of Island Southeast Asia, and New Guinea. Publ: Co-ed, The Papua New Guinea elections 1964, 65 & auth, Search for New Guinea's boundaries, 66, Australian Nat. Univ; E.F.E. Douwes Dekker: evangelist for Indonesian political nationalism, *J. Asian Studies*, 8/58. Address: Dept. of Government, Ohio University, Athens, Ohio 45701.

VANDERWOLF, DR. C(ORNELIUS) H(ENDRIK), Psychol, see 11th ed, Phys. & Biol. Vols.

VANDER ZANDEN, DR. JAMES WILFRID, b. Green Bay, Wis, Nov. 28, 30; m. 60. SOCIOLOGY. B.S. Wisconsin, 51, M.S. 54; Southern fel. fund, North Carolina, 56, 57-58, Ph.D.(sociol), 58. Instr. SOCIOL, Paine Col, 54-56; Duke, 58-60; asst. prof, OHIO STATE, 60-65, ASSOC. PROF, 65- Consult.

- ed, Sociol. Inquiry, 64-67. Sociol. Asn; Anthropol. Asn; Soc. Sci. Study Social Probs. Publ: Sociology: a systematic approach, 65 & American minority relations, 2nd ed, 66, Ronald: Race relations in transition, Random, 65. Address: Dept. of Sociology & Anthropology, Ohio State University, Columbus, Ohio 43210.
- VANDERZELL, PROF. JOHN HOWARD, b. Rochester, N.Y., July 11, 24; m. 49; c. 3. POLITICAL SCIENCE. B.A. Miami (Ohio), 49; Ph.D. (polit. sci), Syracuse, 54. PROF. POLIT. SCI. FRANKLIN & MARSHALL COL, 52-Res. dir, Commonwealth of Pa, 55-57; vis. lectr, Univ. Pennsylvania, 57-58; Bryn Mawr, 66- Consult, Pa. Econ. League, 67-68. Polit. Sci. Asn; Soc. Pub. Admin; Soc. Planning Off. Local and metropolitan government; constitutional law and judicial process; civil liberties. Publ: Co-auth, Cases in state and local government, Prentice-Hall; auth, Juries as a community cross section, West. Polit. Quart; Scope of municipal discretion, Commonwealth of Pa. Address: Dept. of Government, Franklin & Marshall College, Lancaster, Pa. 17603.
- VAN DE VALL, PROF. MARK, b. Netherlands, Jan. 1, 23; div; c. 2. SOCIOLOGY. Dutch Fedn. Trade Unions grants Amsterdam, 53 & 60, Prime Minister Netherlands grant, 60-61, Ph.D. (unions), 63. Reader soc. res, Utrecht, 60-63; PROF. SOCIOLOGY, STATE UNIV. N.Y. BUFFALO, 63-, Univ. Res. Found. grant, 64-65. Nat. Inst. Ment. Health res. grant, 67. Am. Sociol. Asn; Am. Indust. Rels. Res. Asn; Int. Indust. Rels. Asn; Netherlands Sociol. Asn. Sociology of industry; theory of organizations; methods of social research. Publ: Die Gewerkschaften im Wohlfahrtsstaat, Westd. Verlag, 68; Workers councils in western Europe, Proc. 17th annual meeting, Indust. Rels. Res. Asn, 65; Voluntary participation in democratic organizations, Buffalo Studies, 12/67. Address: Dept. of Sociology, Hayes Hall, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- VAN DE VELDE, DR. ROBERT W (HITSETT), b. Geneva, Switz, Feb. 4, 12; nat; m; c. 3. POLITICAL SCIENCE. B.S. Princeton, 33, M.P.A., 52, Ph.D., 54. LECTR. PUB. & INT. AFFAIRS, WOODROW WILSON SCH. PUB. & INT. AFFAIRS, PRINCETON, 57- U.S.A. 35-57, Col. International affairs; overseas psychological operations; national security policies. Publ: Co-auth, Strategic psychological operations and American foreign policy. Address: 222 Western Way, Princeton, N.J. 08540.
- VAN de WOESTYNE, DR. ROYAL S (TEWART), Bus. Admin, see 10th ed, Soc. & Behav. Vols, deceased 67.
- VANDIVER, PROF. JOSEPH S (LOAN), b. Moorhead, Miss, Mar. 31, 19; m. 46; c. 2. SOCIOLOGY. A.B. Millsaps Col, 40; A.M. La. State, 46, Ph.D., 48. Instr. La. State, 46-48, asst. prof, 48; Vanderbilt, 48-49; assoc. prof. SOCIOLOGY, Okla. State, 49-54, PROF., 54-62; FLORIDA, 62-, chmn. dept, 64-67. Sociol. Asn; Pop. Asn. Demographic problems in plantation areas of the deep South. Address: Dept. of Sociology, University of Florida, Gainesville, Fla. 32601.
- VAN DONGEN, IRENE S, b. Sebastopol, Russia, Sept. 16, 10; nat. ECONOMIC & SOCIAL GEOGRAPHY. Dipl. Louvain, Belgium, 32; M.A. Columbia, 53. Res. scientist, div. econ. geog. Columbia, 54-62, mem. univ. seminar contemporary Africa, 57-62; Fulbright res. scholar, Portugal, 63-64; res. geogr. Denver, 64-67; ASST. PROF. GEOG. & EARTH SCI, CALIF. STATE COL. (PA), 67- Am. Geog. Soc; Asn. Am. Geog; African Studies Asn. Portuguese Africa, particularly Angola; East Africa; Middle America, particularly the West Indies; geography of the tropics, world maritime transport. Publ: Coffee trade, coffee regions and coffee ports of Angola, Econ. Geog; Sea fisheries and fish ports of Angola, Boletim Sociedade de Geografia de Lisboa, 1-7/62; Mombasa in the land and sea exchanges of East Africa, Erdkunde, Berlin, 7/63. Address: Dept. of Geography & Earth Science, California State College, California, Pa. 15419.
- VAN DORN, PROF. HAROLD A (RCHER), b. New Hampton, Iowa, Mar. 14, 96; m. 20; c. 1. POLITICAL SCIENCE. A.B. Grinnell Col, 18; A.M. Columbia, 20, Roberts fel, 23-25, Ph.D. (polit. sci), 26. Asst. prof. polit. sci, Rutgers, 25-28, assoc. prof, 28-42; chief for. air transport div, Civil Aeronaut. Bd, 42-47; vis. lectr, POLIT. SCI, California, Los Angeles, 48; American Univ, 48-49; prof, Pa. State, 50; PROF. & HEAD DEPT, KENT STATE, 50- U.S.A., 18, 2nd Lt. Polit. Sci. Asn. International relations; Far Eastern affairs. Publ: Government owned corporations; Twenty years of the Chinese Republic; A decade of communist rule in China, Pageant, 63. Address: Dept. of Political Science, Kent State University, Kent, Ohio 44240.
- VAN DUSEN, DR. ALBERT C (LARENCE), b. Tampa, Fla., Aug. 30, 15; m. 43; c. 3. PSYCHOLOGY. B.S. Florida, 37, M.A., 38; Ph.D. (psychol), Northwestern, 42; hon. Litt. D. Tampa, 59; L.H.D. Duquesne, 67. From instr. to asst. prof. psychol, Florida, 38-41; asst, Northwestern, 39-42, assoc. prof. psychol, 46-56, dir. summer sessions, 48-52, asst. to pres. for centennial, 49-51, admin. asst. to pres, 52, v-pres. pub. rels, 52-56; asst. chancellor planning & develop, PITTSBURGH, 56-59, v.chancellor-the-professions, 59-67, V.CHANCELLOR PROG. DEVELOP. & PUB. AFFAIRS, 67-, PROF. PSYCHOL. & BUS. ADMIN, 56- Consult, U.S. Agency Int. Develop, Guatemala, Nigeria & Ecuador, 62; ed. & world affairs, Cmt. Prinl. Sch. & World Affairs, 65-67; bur. res. U.S. Off. Ed, 66- U.S.N., 42-45. Fel. Psychol. Asn; Personnel & Guid. Asn; Int. Asn. Appl. Psychol. Educational and business administration, organizational and individual psychology; international and development education; measuring leadership ability; counseling needs in adult education; development and standardization of tridimensional coordination tests for selecting pilots. Address: University of Pittsburgh, 123 Cathedral of Learning, Pittsburgh, Pa. 15213.
- VAN DYKE, PROF. VERNON, b. Pocatello, Idaho, Nov. 5, 12; m. 34th c. 2. POLITICAL SCIENCE. A.B. Manchester Col, 33; A.M. Chicago, 34, fel, 36-37, Ph.D., 37. Assoc. prof. POLIT. SCI, De Pauw, 37-44; lectr, Sch. Adv. Int. Studies, 45-46; asst. prof, Yale, 46-49; assoc. prof, IOWA, 49-54, PROF., 54-Ed, Midwest J. Polit. Sci, 59-62. U.S.N.R., 44-46, Lt. Polit. Sci. Asn. Philosophy of political inquiry; American foreign policies; international politics. Publ: International politics, Appleton, 57, 2nd ed, 66; Political science: a philosophical analysis, Stanford, 60; Pride and power: the rationale of the space program, Univ. Illinois, 64. Address: 140 Highland Dr, Iowa City, Iowa 52240.
- VANE, DR. JULIA R, b. Brooklyn, N.Y., Dec. 15, 18; m. 44. PSYCHOLOGY. B.A. Brooklyn Col, 41; M.A. Columbia, 42; Ph.D. (psychol), N.Y. Univ, 51. Guid. counsr, Mallon Consult. Serv, 42-43; psychologist, Cath. charities, Guid. Inst, 43-46, sr. psychologist, 47-51; chief psychologist, Hempstead Pub. Schs, 52-62; PROF. PSYCHOL, HOFSTRA, 62-, COORDINATOR DOCTORAL PROGS. PSYCHOL, 67- Consult, Off. Econ. Opportunity, Nassau County, 67- Psychol. Asn. School psychology, normal child; baby testing. Publ: Relation of early school achievement to high school achievement when race, intelligence and socioeconomic factors are held constant, J. Psychol. Schs, 10/66; An evaluation of the Harris revision of the Goodenough Draw-A-Man Test, J. Clin. Psychol, 8/67; Vane kindergarten test, J. Clin. Psychol, 4/68. Address: 80 Riverdale Rd, Valley Stream, N.Y. 11581.
- VAN EATON, PROF. A (N)SON E (UGENE), Polit. Sci, see 10th ed, Soc. & Behav. Vols, deceased 62.
- VAN EEDEN, DR. CONSTANCE, Math. Statist, see 11th ed, Phys. & Biol. Vols.
- VAN EGEREN, DR. LAWRENCE FRANCIS, b. Green Bay, Wis, July 7, 37. PSYCHOLOGY. B.S. St. Norbert Col, 60; M.S. Illinois, Urbana, 63; Neuropsychiat. Inst, 63-64; Ph.D. (clin. psychol), Illinois, 65. ASST. PROF. PSYCHOL, WASHINGTON (SEATTLE), 65- Psychol. consult, Vet. Admin. Hosp, Seattle, 67-68. U.S.A. 58-59. Psychol. Asn. Psychophysiology of psychosis; time series analysis of individual psychotic patients. Publ: Abnormal personality-psychosis, In: Handbook of modern personality study, Aldine, (in press); Repression and sensitization: sensitivity and recognition criteria, J. Exp. Psychol, (in press). Address: Dept. of Psychology, University of Washington, Seattle, Wash. 98105.
- VANELLA, DR. LAWRENCE M (ICHAEL), b. Newark, N.J., May 14, 30; div; c. 3. SPEECH PATHOLOGY, AUDIOLOGY. B.A. Montclair State Col, 59; Nat. Defense Ed. Act. fel, Ohio, 59-62, M.A., 61; Ph.D. (speech correction, sci. & path), 64. Purchasing agent, Perfecto Mach. Corp, N.J., 52-55; assoc. dir. speech & hearing clin, Western Illinois, 62-63, dir, 63-65; DIR. SPEECH & HEARING CENTER, NORTH CAROLINA, GREENSBORO, 65- Consult, children & youth proj, Guilford County Health Dept, 67-, Pre-school for Deaf & Hard-of-Hearing, N.C. 67- Regional rep, comprehensive health care, U.S. Dept. Pub. Health, 67. U.S.A. 48-52, Sgt. Speech & Hearing Asn; Speech Asn. Am; Coun. Except. Children. Audio-analgesia; Delayed auditory feedback to determine chronological stabilization of auditory monitoring. Publ: An investigation of the relationships between chronological age and reaction to delayed auditory feedback, 61 & Audio analgesia: an investigation of GSRs of human subjects under conditions of selected maskers and noxious electrodermal stimulation, 65, Ohio Univ; Full speed ahead in speech and hearing, N.Car. J. Speech, spring 68. Address: 908A Grayland St, Greensboro, N.C. 27408.
- VANFOSSSEN, DR. BETH ELAINE, b. Birmingham, Ala, Dec. 11, 35; m. 56. SOCIOLOGY. B.A. Blackburn Col, 57; summer, Illinois, 55; M.A. Pa. State, 58; fel, Emory, 58-60, Ph.D., 60. Asst. Pa. State, 57-58; asst. prof. social, Furman, 60-66; lectr, Grinnell Col, 67; res. & writing, 67-68; ASSOC. PROF. SOCIOLOGY, OLD DOM. COL, 68- Sociol. Asn. Social stratification; intergroup relations; sociological theory and method. Publ: Variables related to resistance to desegregation in the South, Soc. Forces, 9/68. Address: 122 Deer Spring Rd, Williamsburg, Va. 23185.
- VANFOSSSEN, DR. MARION GILBERT, b. Alton, Ill, Feb. 19, 35; m. 56. SOCIOLOGY. B.A. Blackburn Col, 56; asst, Pa. State, 56-58, M.A., 58; fel, Emory, 58-60, Ph.D., 60. Asst. prof. SOCIOLOGY, Furman, 60-62, assoc. prof. & chmn. dept, 62-66; ASSOC. PROF. GRINNELL COL, 66-67; COL. WILLIAM & MARY, 67- Summer, instr, Bucknell, 58. Sociol. Asn. Sociological theory; social organization; myths, fictions and ideologies; commitment in complex organizations. Publ: Theoretical model for the analysis of social interaction situations, Symp. Behav. Sci. Conf. Address: Dept. of Sociology, College of William & Mary, Williamsburg, Va. 23185.
- VAN HOEY, DR. LEO FRANS, b. Breda, Holland, Dec. 29, 19; U.S. citizen; m. 59; c. 2. SOCIOLOGY. M.S. Brussels, 40; M.A. Neuchatel, 60; Ph.D. (sociol), Northwestern, 66. Headmaster, Inst. Montesano, Switz, 50-58; prin, Inst. La Chatelaine, 58-60; instr. SOCIOLOGY, Kendall Col, 60-62; asst. researcher, Northwestern, 62-63, instr, 63-64; asst. prof, Kansas, 64-66; ASSOC. PROF. SIR GEORGE WILLIAMS, 66- Belgian Army, 39-40. Sociol. Asn; Anthropol. Asn. Socio-political and economic development in developing countries, especially Africa; problems of labor participation and control in organizations of increasing scale; systems of education in transitional societies. Publ: Co-auth, Urbanization without cities, St. Martin's, 67. Address: Dept. of Sociology, Sir George Williams University, 1435 Drummond St, Montreal, Que, Can.
- Van HOOK, DR. J (OSEPH) O (ORLANDO), Govt, see 10th ed, Soc. & Behav. Vols.
- VAN HORN, DR. RICHARD LINLEY, b. Chicago, Ill, Nov. 2, 32; m. 54; c. 3. MANAGEMENT & INFORMATION SCIENCES. B.S. Yale, 54; M.S. Mass. Inst. Tech, 56; Ph.D. (syst. & commun. sci), Carnegie-Mellon Univ, 68. Res. assoc. indust. mgt, Mass. Inst. Tech, 56-57; res. staff logistics, Rand Corp, 57-60, group head mgt. sys., 60-65, sr. staff logistics, 65-67; ASSOC. PROF. INDUST. ADMIN, CARNEGIE-MELLON UNIV, 67- Lectr, exten. div, California, Los Angeles, 62-65; U.S. Civil Serv. Cmn, 64- Info. sys. consult, UN, 64-65; consult, Rand Corp. & Consad Res. Corp, 67- Inst. Mgt. Sci. (secy-treas, 62-65); Opers. Res. Soc. Am; Asn. Comput. Mach. Design and development of computer-assisted management information and control systems. Publ: Co-auth, Automatic data-processing systems, 60 & Business data processing and programming, 63, Wadsworth & A laboratory experiment for information system evaluation, In: Information system sciences, Spartan, 65. Address: Graduate School of Industrial Administration, Carnegie-Mellon University, Pittsburgh, Pa. 15213.

VAN HOUTEN, DR. DONALD ROGER, b. Orange, N.J., Aug. 18, 38; m. 59; c. 3. SOCIOLOGY. A.B. Oberlin Col, 58; Ph.D.(sociol), Pittsburgh, 67. Asst. dean men & dir. vet. affairs, Pittsburgh, 59-61, dir. men's housing, 60-61, res. assoc. med. & hosp. admin, grad. sch. pub. health, 63-65; faculty lectr. bus. admin, grad. sch. bus. Indiana, 65-67, asst. prof, 67-68, ASST. PROF. SOCIOL. sch. liberal arts, 67-68; OREGON, 68- AAAS; Sociol. Asn. Complex organizations, especially control of professionals in organizations and coalitions of organizations. Publ: Co-auth, Role of president of medical staff, Hosp. Admin, 67. Address: Dept. of Sociology, University of Oregon, Eugene, Ore. 97403.

VAN KREVELEN, PROF. ALICE, b. Minneapolis, Minn, May 19, 14. PSYCHOLOGY. B.S. Minnesota, 36, Ph.D. Rochester, 49. Med. technologist, Berea Col, 36-44; bacteriologist, St. Mary's Hosp, Rochester, N.Y., 44-45; asst. PSYCHOL, Rochester, 45-49; instr. Hollins Col, 49-51, asst. prof. & chmn. dept, 51-55; assoc. prof. Grinnell Col, 55-61, chmn. dept, 60-61; PROF. & CHMN. DEPT, BERE A COL, 61- Vis. scientist, Nat. Sci. Found-Am. Psychol. Asn, 67-68. Fel. Psychol. Asn; fel. Int. Coun. Psychol. Personality theory; physiological and developmental psychology. Publ: Stability of adolescents' judgments of an ambiguous figure after knowledge of others' judgments of same figure & Relationship between recall and meaningfulness of motive-related words, J. Gen. Psychol; Characteristics which identify the adolescent to his peers, J. Soc. Psychol. Address: Dept. of Psychology, Berea College, Box 2331, Berea, Ky. 40403.

VAN LAER, DR. JOHN, b. Feb. 22, 24; m. 50, 57; c. 1. PSYCHOLOGY, STATISTICS. B.S. Fordham Col, 49; M.A. Pennsylvania, 51; Ph.D.(psychol), 53. Instr. PSYCHOL, Pennsylvania, 53-54; asst. prof, Swarthmore Col, 54-55; Pennsylvania, 55-57; Northwestern, 58-61; ASSOC. PROF, grad. faculty, New Sch. Soc. Res, 61-65; HUNTER COL, 65- Soc. Sci. Res. Coun. summer inst. math. for soc. scientists, Stanford, 55; Rockefeller Found. fel. statist, Chicago, 57-58; Nat. Sci. Found. sci. faculty fel. summers, 59-61. Consult, psychophysics lab, Columbia, 67- U.S.A.A.F, 42-45, 1st Lt. Psychonomic Soc; Psychomet. Soc; Statist. Asn. Psychophysics; statistics; human learning. Address: Dept. of Psychology, Hunter College, New York, N.Y. 10021.

VANLANDINGHAM, DR. KENNETH EARL, b. Crittenden, Ky, Aug. 9, 20; m. 55; c. 2. GOVERNMENT, PUBLIC FINANCE. A.B. Kentucky, 42, M.A., 45; Ph.D. Illinois, 50. ASSOC. PROF. POLIT. SCI, KENTUCKY, 50- Vis. lectr. sch. pub. admin, Fla. State, 54-55. Mem. State Adv. Cmt. Metrop. Govt, 59; State Merit Syst. Coun; summer, with Ky. Legis. Res. Cmt, 59. Local government. Publ: The decline of the Justice of the Peace, Kans. Law Rev, 3/64; The constitution and local government, Ky. Legis. Res. Cmn, 64; Local governmental immunity re-examined, Northwest. Law Rev, 5-6/68. Address: Dept. of Political Science, University of Kentucky, Lexington, Ky. 40506.

VAN LIERE, PROF. DONALD W(ILBUR), b. Holland, Mich, Nov. 24, 15; m. 41; c. 6. PSYCHOLOGY. A.B. Hope Col, 39; M.A. Indiana, 42, Ph.D.(psychol), 50. Assoc. prof. PSYCHOL, KALAMAZOO COL, 49-55, PROF, 55-, CHMN. DEPT, 49- Electroencephalogr, Bronson Methodist Hosp, 55- U.S.A., 43-46. AAAS; Psychol. Asn; Electroencephalogr. Soc. Electroencephalography; physiological correlates of behavior. Address: 2011 Timberlane Dr, Kalamazoo, Mich. 49001.

VAN LOAN, PROF. LILLIAN SHROEDER, Psychol, see 10th ed, Soc. & Behav. Vols.

VAN METER, WILLIAM S(HERMAN), b. Moscow, Idaho, Nov. 16, 13; m. 41. SOCIOLOGY. B.A. Asbury Col, 36; S.T.M., Harvard, 46. Dir. soc. serv, Diocese of Ore, 46-49; adminstr. fair employ. practices div, State Bur. Labor, Ore, 49-55; sr. res. consult, urban-indust. church work div, Nat. Coun. Protestant Episcopal Church, 55-59; EXEC. DIR. DEPT. SOC. RELS, Diocese of Chicago, 59-63; COUN. CHURCHES CITY OF NEW YORK, 63- Consult, Diocese of Albany, N.Y., 55-59. U.S.A.A.F, 41-44. AAAS; Sociol. Asn; Acad. Polit. & Soc. Sci. Urban sociology; sociology of religion; race and ethnic relations. Publ: Five years of progress under Oregon's fair employment practices act. Address: Suite 456, 475 Riverside Dr, New York, N.Y. 10027.

VANN, DR. CARL ROBERT, b. Syracuse, N.Y., Oct. 19, 30; m. 55; c. 2. POLITICAL SCIENCE. A.B. Syracuse, 52, M.A. 56, Ph.D.(polit. sci), 61. Instr. citizenship prog, Maxwell Sch. Citizenship, Syracuse, 58-61; asst. prof. POLIT. SCI, Wayne State, 61-64; OAKLAND, 64-65, ASSOC. PROF, 65- Soc. planner, dept. econ. & soc. affairs, UN, New York, 67-68. Consult, Eval. Manpower Develop. Training Act, U.S. Dept. Health, Ed. & Welfare, 64-65; Study Qual. & Personalism in Higher Ed, Danforth Found, 65-66; Study Statewide Sys. Higher Ed, Am. Coun. Ed, 66-67. U.S.A., 56-57. Polit. Sci. Asn. Public law and administration; politics and economics of higher education; health policy; planning and politics; psychiatry and law; social planning and governmental policy. Publ: Psychiatry, mental illness and civil liberties, Am. Behav. Scientist, 6/61; Psychiatrists as judges: a second look at the competence to stand trial & Pre-trial psychiatric information and judicial decision making; Univ. Detroit Law J, 10/65. Address: Dept. of Political Science, Oakland University, Rochester, Mich. 48063.

VANN, PROF. JOHN H(ERMAN), b. Shreveport, La, Aug. 29, 21. GEOGRAPHY. B.A. La. State, 43, M.S. 48; Ph.D. California, 60. Instr. GEOG. La. State, 47-48; San Francisco State Col, 50-51; California, 51-52; La. State, 53-58, asst. prof, 59-63; assoc. prof, STATE UNIV. N.Y. COL. BUFFALO, 63-65, PROF, 65- Vis. prof, Arizona, 67-68. U.S.N.R., 43-45, Lt.(jg). AAAS; Asn. Am. Geog. Soc. Geomorphology; climatology; physical and cultural geography of Latin America and the Tropics. Publ: Physical geography of the lower coastal plain of the Guiana Coast, La. State, 59; Landform-vegetation relationships in the Atrato Delta, Ann. Asn. Am. Geogr, 12/59; Developmental process in laterite terrain, Geog. Rev, 7/63. Address: Dept. of Geography, State University of New York College at Buffalo, 1300 Elmwood Ave, Buffalo, N.Y. 14222.

VANN, DR. RICHARD T, Soc. & Intellectual Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

VAN NISS, DR. JOHN W(INSLOW), Statist, see 11th ed, Phys. & Biol. Vols.

VAN NEWKIRK, PROF. WILLIAM C, b. Baltimore, Md, May 28, 00; m. 40; c. 4. PSYCHOLOGY. A.B. Washington Col, 38; M.A. Pennsylvania, 40; Ed.D.(guid), Maryland, 57. Transit clerk, Equitable Trust Co, Md, 25-27; bookkeeper, West. Nat. Bank, 27-34; asst. instr. psychol, Pennsylvania, 38-41; personnel understudy, Kimberly-Clark Corp, N.Y., 41-43; counsr. guid, Psychol. Corp, N.Y., 43-45; asst. prof. PSYCHOL. & GUID, Col. William & Mary, Norfolk, 47-49; teacher, FROSTBURG STATE COL, 49-63, PROF, 63- Psychol. Asn; Personnel & Guid. Asn; Nat. Voc. Guid. Asn. Measurable characteristics of teacher education students; development of achievement tests for teacher trainees. Address: Dept. of Psychology, Frostburg State College, Frostburg, Md. 21532.

VAN NORT, LEIGHTON, b. Philadelphia, Pa, Sept. 18, 30. SOCIOLOGY, DEMOGRAPHY. A.B. Pennsylvania, 52; Milbank Mem. Fund fel, Princeton, 52-55, A.M., 54. Asst. behav. res. coun, Pennsylvania, 51-52; asst. econ. & sociol, Princeton, 54-55; instr. sociol, Bowdoin Col, 55-57, asst. prof, 57-60; vis. lectr, Dartmouth, 60-61; sr. demographer, U.S. DEPT. STATE, 61-62, sr. sociologist & demographer, 62-63, officer-in-charge Food & Agr. Orgn. & Pop. Affairs, 63-65, CHIEF DIV. UN ECON. AFFAIRS, 65- Vis. lectr, Princeton, 59-60; vis. lectr, California, Berkeley, 63; lectr, sch. adv. int. studies, Hopkins, 68- U.S. del. Asian Pop. Conf, 63 & coun. & gen. conf, Food & Agr. Orgn, 63-65; alternate U.S. rep, pop. cmm, UN, 63-, U.S. del. Econ. Cmn. Asia & Far East, 66 & Econ. Cmn. Latin Am, 67; World Food Prog, 63-66; alternate U.S. rep, Latin Am. Regional Conf, Food & Agr. Orgn, 66. Sociol. Asn; Statist. Asn; Pop. Asn; Int. Union Sci. Study Pop. Sociological and demographic factors in economic development; social theory; sociology of organization and family. Publ: Biology, rationality and fertility: a footnote to transition theory, Eugenics Quart; Values in population theory, Milbank Mem. Fund Quart; co-auth, Demographic transition re-examined, Am. Sociol. Rev. Address: U.S. Dept. of State, Washington, D.C. 20520.

VANNOY, DR. JOSEPH S(HELDON), b. Greenville, Ohio, Apr. 4, 33; m. 53; c. 3. PSYCHOLOGY. B.A. Ohio State, 55, M.A., 56; Ph.D.(psychol), Illinois, 64. Asst. coordinator indust. rels, Armstrong Rubber Co, 57-59; res. asst. psychol, Illinois, 59-64; ASST. PROF. PSYCHOL. & PROJ. SCIENTIST, AEROSPACE PSYCHOL. PROJ, MIAMI (OHIO), 64- Psychol. Asn; Soc. Psychol. Study Soc. Issues. Social interaction including the influence of personality variables and cognitive processes on interpersonal behavior; behavior in small groups and multi-person situations. Publ: Co-auth, Revision of a mathematically defined task to study group performance, Aerospace Med. Res. Lab. Tech. Report, 66; auth, Generality of cognitive complexity-simplicity as a personality construct, 9/65 & co-auth, Personality correlates of two types of conformity behavior, 9/66, J. Personality & Soc. Psychol. Address: Psychology Dept, Miami University, Oxford, Ohio 45056.

VAN OPYNEN, PROF. CATHERINE W(ILHELMINA), b. Grand Haven, Mich, Aug. 24, 15. GEOGRAPHY, EDUCATION. A.B. Calvin Col, 38; A.M., Columbia, 45; A.M., Michigan, 57. Dean women & asst. prof. ed. & geog, CALVIN COL, 46-68, ED. & PSYCHOL. SPECIALIST, PSYCHOL. INST. & ASST. PROF. PSYCHOL, 68- Teaching methods. Address: 1935 Kalamazoo Ave, Grand Rapids, Mich. 49507.

VAN ORMER, PROF. EDWARD B(UNN), b. Norwood, Pa, Apr. 12, 03; m. 27; c. 2. PSYCHOLOGY. A.B. Juniata Col, 24, M.A., Columbia, 27, Ph.D.(psychol), 32. Instr. psychol, Col. of Wooster, 27-30; prof. psychol. & ed. & superv. practice teaching, Wagner Col, 32-34; prof. psychol, St. Joseph's Col. for Women, 32-36, head dept. psychol. & dir. nursery sch, 34-36; asst. prof. PSYCHOL, PA. STATE, 36-43, assoc. prof, 43-49, PROF, 49- ASST. DEAN GRAD. SCH, 56-, res. staff, inst. film res. prog, 47-51. Fel. Psychol. Asn. Learning; developmental psychology; instructional aids. Publ: Retention after intervals of sleep and waking; Elementary statistics for students of education and psychology; Instructional film research, 1918-1950. Address: 101 Willard Bldg, Pennsylvania State University, University Park, Pa. 16802.

VAN PETTEN, PROF. D(ONALD) R(OBINSON), b. Joliet, Ill, Aug. 7, 90; m. 12; c. 1. POLITICAL SCIENCE. A.B. Ariz. State Teachers Col, 33; M.A. Southern California, 36; Ph.D., Stanford, 41. Prof. soc. studies & head dept, East. N.Mex. Col, 41-42; mem. faculty, ARIZONA STATE, 42-47, prof. polit. sci, 47-61, head dept. soc. studies, 55-56, EMER. PROF. POLIT. SCI, 61- Hist. Asn. Government of Arizona. Publ: Constitution and government of Arizona. Address: 918 Mill Ave, Tempe, Ariz. 85281.

van PUTTEN, DR. JAMES DYKE, b. Holland, Mich, Feb. 7, 99; m. 25; c. 2. INTERNATIONAL RELATIONS. A.B. Hope Col, 22; M.A., Columbia, 23, 44; B.D. Presby. Sem, Ky; Nanking, 25-26; Ph.D.(int. rels. Far East), Chicago, 34. Dean, Blackburn Col, 34-42; head ed. dept, Mil. Govt, Guam, 44-45, judge, Supreme Court, 45; dean men & dir. admissions, Park Col, 46-47; dir, U.S. Info. Serv, Peking, China, 47-50, acting dir, Rep. Korea, 50-51, dir, Formosa, 51-52; CHMN. DEPT. HIST. & POLIT. SCI, HOPE COL, 52- Vis. prof, N.Y. State Teachers Col.(New Paltz). U.S.N., 42-46, Lt. Polit. Sci. Asn. International relations of the Far East. Address: 1075 Post Ave, Holland, Mich. 49423.

VAN RIPER, PROF. JOSEPH E(DWARDS), b. Champion, Mich, Nov. 9, 10; m. 35; c. 1. GEOGRAPHY. A.B. Michigan, 32, Ph.D.(geog), 39; A.M., Syracuse, 34. Specialist, State Planning Bd, N.Y., 34-35; instr. geol, Colgate, 35-37; asst. prof. geog, South Ill. State Norm. Univ, 39-42; geogr, Mil. Intel. Serv, U.S. War Dept, 42-46; assoc. prof. geog, Triple Cities Col, Syracuse, 46-50, chmn. dept. geol. & geog, 46-50; PROF. GEOG. & CHMN. DEPT, STATE UNIV. N.Y. BINGHAMTON, 50- Smith-Mundt vis. prof, American Univ. Beirut, 60-62. Fel. Am. Geog. Soc; fel. Asn. Am. Geog; Mid. East Inst. Military terrain intelligence; Southwest Asia. Publ: Man's physical world, McGraw, 62; co-auth, Geography of N.Y. State, Syracuse Univ, 68. Address: Dept. of Geography, State University of New York at Binghamton, Binghamton, N.Y. 13901.

VAN RIPER, PROF. PAUL P(RITCHARD), b. Laporte, Ind, July 29, 16. POLITICAL SCIENCE. A.B. DePauw, 38, Beveridge fel, 38-40; fel, Chicago, 41-42, Ph.D.(polit. sci), 47. Instr. polit. sci, Northwestern, 47-49, asst.

- prof, 49-52; assoc. prof. ADMIN, GRAD. SCH. BUS. & PUB. ADMIN, CORNELL, 52-57, PROF, 57-, chmn. gov. bd, soc. sci. res. center, 56-58, secy, univ. faculty, 60-65. Lectr, George Washington, 51-52; vis. prof, Chicago, 58-59; Indiana, 61; Strathclyde, 64; Michigan, 65. Pub. admin, consult, 47-Mgt. analyst & sect. chief, off. comptroller, U.S. Dept. Army, 51-52. Mem. hist. adv. cmt, NASA, 64-66. U.S.A., 42-46, Lt. Col. Polit. Sci. Assn; Soc. Pub. Admin; Acad. Polit. & Soc. Sci; Soc. Personnel Admin; Pub. Personnel Assn; Inst. Mgt. Sci; Int. Polit. Sci. Assn. American government and politics; political parties and organization; public administration; personnel administration and executive behavior; military institutions. Publ: History of the U.S. Civil service, Row-Peterson, 58; co-auth, The American federal executive, Yale, 63; auth, Handbook of practical politics, Harper, 3rd ed, 67. Address: Graduate School of Business & Public Administration, Malott Hall, Cornell University, Ithaca, N.Y. 14850.
- VAN ROEKEL, DR. BYRON H(ENRY), b. Sioux Center, Iowa, Nov. 12, 14; m. 37; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. Cent. Col.(Iowa), 37; M.A. Iowa, 42, Ph.D.(ed. psychol), 50. Asst. prof. ed, San Diego State Col, 50-51; dir. reading improv. serv, MICH. STATE, 51-52, coordinator basic col. improv. serv, 52-54, PROF. READING & TEACHER ED, 54-U.S.N., 44-46, Lt.(jg). Psychol. Assn. Reading of children and high school students. Publ: Co-auth, Harper & Row basic reading series, Harper, 66; auth, Basic college improvement services, J. Am. Assn. Collegiate Registrs. & Admissions Officers; Preparing your child for first steps in reading, Bull. Mich. State Univ. Address: Dept. of Educational Psychology, Michigan State University, East Lansing, Mich. 48823.
- VAN ROY, DR. EDWARD, b. Amsterdam, Netherlands, Nov. 7, 37; U.S. citizen; m. 63; c. 2. ECONOMICS. B.B.A. Clark, 60, M.A. 61; Nat. Defense For. Lang. fel, Yale, 63; Ph.D.(econ), Texas, Austin, 65. Instr. ECON, STATE UNIV. N.Y. STONY BROOK, 64-65, ASST. PROF, 65-, faculty res. grant, 68. Participant seminar sci. & tech. in developing countries, Columbia Univ, 68. Assoc. econ. affairs officer, Econ. Cmn. Asia & Far East, UN, 66-67. Econ. Assn; Asn. Evolutionary Econ; Asn. Asian Studies. Economies of southeast Asia; economic institutions and technological change in underdeveloped countries. Publ: An interpretation of northern Thai peasant economy, J. Asian Studies, 67; Malthusian squeeze on Thailand's rice economy, Asian Surv, 67; Pursuit of growth and stability through taxation of agricultural exports, Pub. Finance, 68. Address: Dept. of Economics, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- VAN ROYEN, PROF. WILLIAM, Geog, see Suppl. V to 11th ed, Phys. & Biol. Vols.
- VAN SANT, DR. EDWARD R(AGUET), b. Oxford, Pa, Jan. 13, 99; m. 25; c. 2. ECONOMICS. A.B. Princeton, 22; M.A., Pa. State, 30; Ph.D. Hopkins, 35. Asst. prof. econ, Pa. State, 30-41; prof. & head dept, Huachung Univ, 47-51; economist, U.S. Dept. Defense, 51-64; RETIRED. Economist, For. Econ. Admin, 43-46. Econ. Assn. International economic relations; Far Eastern economic development; economic history. Publ: The floating debt of the Federal government, 1919-1936. Address: 608 Malcolm Place, Alexandria, Va. 22302.
- VAN SAUN, DR. H(ORACE) RICHARD, b. Denver, Colo, Mar. 9, 18; m. 44; c. 3. PSYCHOLOGY. B.A. Colo. Col, 40, M.A., 41; Rochester, 41-42; Ohio State, 46-47; M.A. Princeton, 49, Ph.D., 60. Res. psychologist, psychol. br, Aero Med. Lab, Wright Field, Ohio, 46-47; chief controls sect, 56-58; instr. psychol, Princeton, 47-49; assoc. prof, Colo. Col, 49-56; chief human factors, aviation res. & develop, serv, FED. AVIATION AGENCY, 58-61. CHIEF HUMAN ENG. BR, 61- Consult, U.S. Dept. Air Force Psychol. Res. Prog, D.C. 50-52. U.S.A.A.F., 42-46, Capt. Psychol. Assn. Learning theory; aviation psychology. Publ: Psychological research on equipment design; Survey of human problems in the air defense command; Spread of effect: fact or artifact. Address: National Aviation Facilities Experimental Center, Federal Aviation Administration, Atlantic City, N.J. 08401.
- VAN SCHAACK, PROF. HERBERT, b. Brooklyn, N.Y., Mar. 29, 29; m. 56; c. 1. GUIDANCE. B.S. State Univ. N.Y. Teachers Col.(Oswego), 51; M.S. Cornell, 54, Ph.D. 56. Resident counsr, Cornell, 54-56; admin. asst, STATE UNIV. N.Y. COL. OSWEGO, 56-57, PROF. PSYCHOL, 57- Lectr, Maryland, 63-64. Dir. county youth corps progs, suprvy. & exec. develop. progs. & seminars in indust. & cols. Psychol. Assn. Publ: How ethical can you get?, Purchasing; Democratic manipulation, Nat. Ed. Assn. J. Address: Dept. of Psychology, State University of New York College at Oswego, Oswego, N.Y. 13126.
- VAN SCOYOC, PROF. LELAND S, b. Luray, Kans, Oct. 5, 00; m. c. 1. ECONOMICS. B.S. Kans. State Col, 26; M.S., 35; Am. Assn. Pub. Jr. Cols. scholar, 41; Michigan; Iowa; Kansas; D.B.A. Indiana, 53; summer, California, 47. Instr. hist. & soc. sci, Highland Jr. Col, 37-42; assoc. prof. ECON, Dubuque, 45-46; asst. prof, BOWLING GREEN STATE, 46-50, assoc. prof, 50-55, PROF, 55-, chmn. dept, 55-66. C.W.S., 42-45, Maj. Econ. Assn. Transportation; public utilities. Publ: History and economic significance of the Chicago, Indianapolis and Louisville Railway Company; Men, bonds, and the monon, Ky. Hist. Register. Address: Dept. of Economics, Bowling Green State University, Bowling Green, Ohio 43402.
- VAN SICKLE, PROF. CLARENCE L, Acct, see 10th ed, Soc. & Behav. Vols.
- VAN SICKLE, PROF. JOHN V(ALENTINE), b. Denver, Colo, Apr. 30, 92; m. 26; c. 3. ECONOMICS. A.B. Haverford Col, 13; A.M. Harvard, 21, Ph.D., 24. From asst. prof. to assoc. prof. econ, Michigan, 24-28; secy. fcls. & grants in aid, Soc. Sci. Res. Coun, N.Y., 28-29; asst. dir. soc. sci, Rockefeller Found, 28-38; prof. ECON, Vanderbilt, 38-46, acting chmn. dept, 40-41, chmn. dept, 41-45, res. prof, 45-46; prof. & chmn. dept, WABASH COL, 46-60, EMER. PROF, 60- Chmn. dept. econ, Univ. of the Americas, 63-65. Secy-treas, Principles Freedom Cmt, 60- Industrialization and the South; regional aspects of wages and employment; classification of land for taxation. Publ: Planning for the South; Introduction to economics; Tyranny of idealism, (in prep). Address: 617 College Ave, Boulder, Colo. 80302.
- VANSINA, DR. JAN, African Hist. & Anthropol, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- VAN SISE, PROF. KENNETH E, b. Oyster Bay, N.Y., July 5, 23; m. 47; c. 2. ECONOMICS, MARKETING. B.A. Yale, 47; M.B.A. N.Y. Univ, 51, Ph.D. (mkt, econ), 61. Bank trainee, Chem. Bank & Trust Co, New York, 47-48; asst. off. mgr, James S. Kemper Ins. Co, New York, 48-52; sys. & procedures coordinator, M. Lowenstein & Sons, Inc, 52-57; personnel dir, Rockefeller Inst, 57-59; Security Nat. Bank of L.I., N.Y., 59-60; assoc. prof, Suffolk County Community Col, 60-62; PROF. BUS. & ECON, TAYLOR, 62-Summer fcls, econ. theory, Chicago, 64 & contemporary econ. inst, California, Los Angeles, 67; fel, Purdue, 67. U.S.N., 42-45. Mkt. Assn. Money and banking; labor economics; management theory. Address: Dept. of Business & Economics, Taylor University, Upland, Ind. 46989.
- VAN TASSEL, PROF. ALFRED J(AMES), b. Twin Falls, Idaho, Aug. 9, 10; m. 33; c. 2. ECONOMICS, CONSERVATION. B.S. California, 34; Ph.D. (econ), Columbia, 64. Econ. engr, nat. res. proj, Works Prog. Admin, Phila, 36-40; inspector, wage hour bur, U.S. Dept. Labor, D.C., 40-41; dir. econ. res, gas, coke & chem. div, United Mine Workers Am, 41-42; indust. analyst econ, War Prod. Bd, 42-44; dir. staff studies, U.S. Senate Spec. Cmt. Probs. Am. Small Bus, 44-45; dir. reports div, War Assets Admin, 45-47; economist, econ. affairs dept, UN, 47-50, dir. conf. & training ins. tech. assistance admin, 50-53; econ. consult, 53-64; lectr. econ, Columbia, 64-66; res. assoc. prof, Illinois, Urbana & ed, Ill. Bus. Rev, 66-67; DIR. CENTER BUS. & URBAN RES. & PROF. BUS. RES, HOFSTRA, 67- Secy. prep. cmt, UN Sci. Conf. Conserv. & Utilization of Resources, 47-49, exec. secy, 49. Reading consult, New York Pub. Library; automation consult, to bus. execs, 65-66. Mem. seminar tech. & soc. change, Columbia, 64-, dep. chmn. summer session, dept. econ, 66. Econ. Assn; Acad. Polit. Sci; Soc. Planning Off. Impact of scientific and technological developments on economic affairs; conservation and utilization of resources. Publ: Mechanization in the lumber industry; Report to economic and social council of United Nations scientific conference on the conservation and utilization of resources; Industrial automation—where we stand, Ill. Bus. Rev, 11/66. Address: 2 Hemlock Lane, Glen Cove, N.Y. 11542.
- VAN TASSEL, PROF. DAVID D(RICK), Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- VAN TASSEL, DR. JOHN EDWARD, JR, b. Boston, Mass, Dec. 17, 25. ECONOMICS, STATISTICS. B.A. Boston Col, 50, M.A., 53; fel, Harvard, 54-55, Ph.D.(econ), 57. Instr. bus. admin, Providence Col, 52-53; managing dir. Littauer Statist. Lab, Harvard, 55-56; asst. prof. econ, BOSTON COL, 56-60, ASSOC. DEAN GRAD. SCH. BUS. ADMIN, 60- Res. assoc, New Eng. Cols. Comput. Center, 57-58. U.S.A., 43-46, 50-51, Sgt. Economet. Soc. Banking behavior; metropolitan transportation; managerial economics; decision making simulation. Publ: Co-auth, Travel in the Boston region, In: Studies of urban transportation; auth, Analysis of banking behavior of United States banks; Boston College decision making exercise. Address: Graduate School of Business Administration, Boston College, Chestnut Hill, Mass. 02167.
- VAN TASSEL, PROF. ROGER C, b. Germantown, N.Y., Nov. 27, 24; m. 44; c. 2. ECONOMICS. A.B. Union Col, 47; A.M. Cornell, 50; Ph.D. Brown, 56. Instr. econ, Brown, 48-52; res. analyst, R.I., 52-53, econ. analyst, 53-54; asst. prof. ECON, CLARK, 54-58, assoc. prof, 58-66, PROF, 66-, CHMN. DEPT, 68- Consult, New England Res. Coun, 66-; New England Tel. & Tel. Co, 67- Dir. res, Conf. New England Gov, 62. U.S.A.A.F., 43-45, 2nd Lt. Econ. Assn. Transportation; international trade; national income analysis. Publ: Economic essentials, Houghton, 68; Conditional grants-in-aid for school construction in Massachusetts, Nat. Tax J; State regulation of Boston's financial administration. Address: Putnam Rd, Holden, Mass. 01520.
- VAN VALKENBURG, PROF. SAMUEL, b. Leeuwarden, Netherlands, Sept. 14, 91; m. 18; c. 3. GEOGRAPHY. Ph.D.(geog), Zurich, 18. Geogr, Netherlands East Indies Govt, 21-26; vis. prof, grad. sch. geog, Clark, 27-28; assoc. prof. geog, Col. City of Detroit, 28-32; CLARK, 32-34, prof, 37-62, dir. grad. sch. geog, 46-62, EMER. PROF. GEOG, 62- Consult, Nat. Assn. Mfrs. Managing ed, Econ. Geog. Dutch Army, 11-20. Assn. Am. Geog.(past v-pres); Nat. Coun. Geog. Ed; Netherlands Assn. Econ. & Soc. Geog; cor. mem, Royal Netherlands Acad. Sci. Land use, especially European; political geography; climatology. Publ: Co-auth, Europe, 2nd ed, Wiley, 52 & Elements of political geography, 2nd ed, Prentice-Hall, 54. Address: Dept. of Geography, Clark University, Worcester, Mass. 01610.
- VAN VECHTEN, DR. C(OURTLANDT) C(HURCHILL), Sociol, see 10th ed, Soc. & Behav. Vols.
- VANVIG, PROF. ANDREW, b. Ranger, N.Dak, Mar. 28, 22. AGRICULTURAL ECONOMICS. B.S. N.Dak. Agr. Col, 42; M.S. Cornell, 43; Sears Roebuck scholar; Danforth fel; Ph.D. Minnesota, 51. Asst. Minnesota, 48-51; asst. prof. AGR. ECON, Arizona, 52-55, assoc. prof, 55-57; PROF. & HEAD DIV, WYOMING, 57- Fel, Int. Conf. Agr. Econ, India, 58. Summer econ. consult, Royal Afghanistan Ministry Agr, 65. Agr. Econ. Assn. Production economics and farm management; agricultural finance and policy. Address: College of Agriculture, University of Wyoming, Laramie, Wyo. 82070.
- VAN VLIET, PROF. ANTOINE CORNELIS, Wood Sci, Commun, see 11th ed, Phys. & Biol. Vols.
- VAN VOORHIS, PROF. R(OBERT) H(ENRY), Econ, Acct, see 10th ed, Soc. & Behav. Vols, deceased 62.
- VAN VORST, ROBERT B(ROBERG), b. Whitesalmon, Wash, June 15, 13; m. 36; c. 2. CLINICAL PSYCHOLOGY. B.A. Arizona, 35; M.A. Stanford, 38; California, Los Angeles, 47-48. Instr. & clin. psychologist, State Indust. Sch, Ft. Grant, Ariz, 35-36; asst. probtn. officer & psychologist, Pima County Probtn. Off, 36-37; intern, State Bur. Juvenile Res, Stanford, 37-39; jr. clin. psychologist, Fred C. Nelles Sch, Calif, 39-41, SR. CLIN. PSYCHOLOGIST, 47-54; Preston Sch. Indust, 41-46; Calif. Voc. Inst, 46-47; CALIF. INST. WOMEN, CORONA, 54- Summer clin. psychologist, Youth Training Sch, Ontario, Calif, 60. Dipl. Am. Bd. Exam. Pfnl. Psychol. Psychol. Assn. Transfer of training in learning; psychopathic personality and delinquent behavior; crime and delinquency related to aspiration level. Publ: Some responses of the psychopath interpreted in the light of Lindner's suggested

application of the concept of homeostasis, *J. Clin. Psychol.*; co-auth. Comparison of the learning rate of rats on elevated horizontal with rats on inclined maze treadways, *J. Comp. Psychol.*; Psychological needs of women in a correctional institution, *Am. J. Correction.* Address: Los Tuiles Rancho, Camino Moro, Box 2417, Warner Springs, Calif. 92086.

VAN WAGENEN, DR. M(ARVIN) J(AMES), b. Ohioville, N.Y., Nov. 18, 84; m. 12; c. 3. **PSYCHOLOGY.** B.S., Columbia, 11, A.M., 12, Ph.D., 18. From asst. prof. to assoc. prof. ed. psychol., Minnesota, 17-53; DIR, VAN WAGENEN PSYCHO-ED. RES. LAB, 53. Vis. lectr., California, 25. AAAS; Psychol. Asn. Mental and educational measurement; reading instruction materials. Publ: C-score scales in mental abilities and in reading, grades 1-12. Address: 1729 Irving Ave. S., Minneapolis, Minn. 55403.

VAN WAGENEN, DR. R(ICHARD) KEITH, b. Salt Lake City, Utah, Dec. 2, 25; m. 48; c. 5. **EDUCATIONAL PSYCHOLOGY.** B.A., Pacific Union Col., 48; M.A., Arizona State, 58; Ph.D.(ed. psychol.), Utah, 63. Asst. res. prof. ED. PSYCHOL., Utah, 62-63; asst. prof., ARIZONA STATE, 63-66, ASSOC. PROF., 66-68. Consult., Macmillan Co. & Prentice-Hall & res. consult., Valley of Sun Sch. & Ariz. Children's Colony, 66-68. Psychol. Asn.; Soc. Res. Child Develop.; Ed. Res. Asn. Toilet training; diurnal and nocturnal enuresis; motivation for school tasks; research methodology; philosophy of science. Publ: Co-auth. Reinforcement; a review of selected research, *Univ. Utah*, 63; A transistorized signal-package for toilet training of infants, *J. Exp. Child Psychol.*, 66; Learning under conditions of direct and vicarious reinforcement, *J. Ed. Psychol.*, 63. Address: Dept. of Educational Psychology, Arizona State University, Tempe, Ariz. 85281.

VAN WAGENEN, DR. R(ICHARD) W(HITMORE), b. Denver, Colo., Nov. 14, 12; m. 36; c. 2. **POLITICAL SCIENCE.** A.B., Stanford, 34, Ph.D., 41; M.S., Syracuse, 36. Mem. staff, New Hampshire Found., 35; asst. Coun. State Govt., Ill., 35-37; res. assoc., Pa. Econ. League, 37-38; asst., Stanford, 38-41; instr. govt., Yale, 41-42; dep. U.S. secy., Allied Control Authority for Germany, 45-47; assoc. prof. polit. sci., Duke, 47-50; vis. assoc. prof. int. orgn., Columbia, 49-50; assoc. prof. polit. & dir. center for res. world polit. insts., Princeton, 50-57; prof. int. orgn. & dean grad. sch., American Univ., 57-65; CHIEF OF TRAINING, INT. BANK RECONSTRUCT. & DEVELOP., 65-, spec. asst. for training, 62-64. Mem. civilian faculty, Nat. War Col., 56-57; lectr., sch. adv. int. studies, Hopkins, 68. Consult., Army War Col., 57; U.S. Adv. Cmn. Ed. & Cultural Affairs, 62. Trustee, Soc. Sci. Found. & Grad. Sch. Int. Studies, Denver, 60-; mem. Cmn. Study Orgn. Peace, 54-; bd. dir., Helen Dwight Reid Ed. Found., 62-; Overseas Ed. Fund., 66- A.U.S., 42-46, Res., 51-64, Col. Polit. Sci. Asn.; Soc. Int. law; Int. Polit. Sci. Asn.; Soc. Int. Develop.; Int. Studies Asn. International administration and organization. Publ: Research in the international organization field; United Nations action: Iranian case; co-auth. Political community and the North Atlantic area, international organization in the light of historical experience. Address: 4224 Reno Rd. N.W., Washington, D.C. 20008.

VAN ZELST, RAYMOND H., b. Chicago, Ill., May 30, 30; m. 51; c. 4. **PSYCHOLOGY.** B.S., Ill. Inst. Tech., 51, Indust. Opinion Res. Inst. fel., 51-52, M.S., 52. Assoc. dir., Psychomet. Affiliates, 52-54; PARTNER, KROH-WAGNER CO., 54- AAAS; Statist. Asn.; Inst. Mgt. Opinion and attitudes measurement; sociometry; psychological tests and statistics. Publ: Sociometric regrouping procedures; Correlates of technical and scientific productivity; Worker popularity and job satisfaction. Address: 418 Stratford Dr., Elmhurst, Ill. 60126.

VAAQAR, DR. NASROLLAH, b. Tehran, Iran, May 20, 20; m. 57; c. 2. **ECONOMICS.** LL.B., Tehran, 43; M.A., Kansas, 51, Ph.D.(econ.), 56. Adminstr., Ministry Finance, Iran, 41-49; asst. prof. econ., Ripon Col., 56-57; Ill. Wesleyan, 57-58; sr. economist, Plan Orgn., Iran, 58-59; asst. prof. econ., Portland State Col., 59-64; sr. economist, Iranian Econ. Mission, Wash., D.C., 64-65; ASSOC. PROF. ECON., PORTLAND STATE COL., 65- Econ-in-Action fel., Case, summer 57; cent. banking fel., Fed. Reserve Banks Chicago, summer, 57 & San Francisco, fall 67. Econ. Asn.; Finance Asn. Monetary and economic development problems. Publ: The positive aspects of the international demonstration effect and the trend of imports in Iran, 61 & Economic development in Iran and the financing of the gap in the Third Plan, 64, Mid. East Econ. Paper; An interpretation of the terms capital and solvency in the federal banking laws, *Kans. Bus. Rev.*, 1/64. Address: Dept. of Economics, Portland State College, Portland, Ore. 97207.

VARDAMAN, PROF. GEORGE T., Speech, Commun., see 5th ed, Dir. Am. Scholars, Vol. II, Eng., Speech & Drama.

VARDYAS, DR. V(ITAS) STANLEY, b. Berzoras, Lithuania, Sept. 2, 24; U.S. citizen; m. 55; c. 2. **POLITICAL SCIENCE.** B.A., Carroll Col.(Mont.), 51; M.A., Wisconsin, Milwaukee, 53, Ph.D.(polit. sci.), 58. Instr. polit. sci., Wisconsin, Milwaukee, 55-58, asst. prof., 58-64, assoc. prof., 64-68; PROF. POLIT. SCI. & DIR. UNIV. OKLA. MUNICH CENTER, W.GERMANY, 68- Am. Coun. Learned Soc.-Soc. Sci. Res. Coun. res. grant, 66-67. Polit. Sci. Asn.; Asn. Adv. Slavic Studies. Comparative politics, especially the Soviet Union and East Europe and Soviet nationality policy; modern political theory, especially Marxism and socialism. Publ: Auth. & ed. Lithuania under the Soviets, Praeger, 65; auth. Germany's postwar socialism; nationalism and Kurt Schumacher, 1945-52, *Rev. Polit.*, 65; Altes und Neues in der Sowjetischen Nationalitätenpolitik seit Chruschtschows Sturz, *Osteuropa*, 2/68. Address: Dept. of Political Science, University of Oklahoma, Norman, Okla. 73069.

VARGAS, DR. MANUEL J(OHN), b. Ft. Worth, Tex., Aug. 30, 19; m. 50; c. 3. **CLINICAL PSYCHOLOGY.** B.A., Chicago, 43, M.A., 44, Ph.D.(clin. psychol.), 52. Asst. prof. psychol., Ala. Polytech., 52-55; clin. psychologist, St. Louis State Hosp., 55-58; CHIEF PSYCHOLOGIST, Beatty Mem. Hosp., Westville, Ind., 58-65; Adult Psychiat. Clin., 65-66; LAKE COUNTY MENT. HEALTH CLIN., 66- AAAS; Psychol. Asn. Process of psychotherapy; individual and group psychotherapy; integration of psychopathology and normal psychology; community mental health. Publ: Changes in self awareness during psychotherapy, *Psychother.* & Personality Change; Group therapeutics projects involving a total admission ward, *Group Psychother.*; Some observations on

knowing, *J. Existential Psychiat.* Address: Lake County Mental Health Clinic, 4801 W. 5th Ave., Gary, Ind. 46406.

VARLEY, PROF. DAVID W(RIGHT), b. Sandusky, Ohio, May 31, 22; m. 50; c. 1. **SOCIOLOGY.** A.B., Oberlin Col., 48; M.A., Michigan, 52, Ph.D.(sociol.), 56. Instr. SOCIOL., Michigan, 55-58, asst. prof., 58-60; assoc. prof. & chmn. dept., New Mexico, 60-67; PROF., ARIZONA, 67- Vis. prof., Colorado, summer 62. C.Eng. U.S.A., 43-46. Fel. Sociol. Asn.; Pop. Asn. Am. Human ecology and demography. Address: Dept. of Sociology, University of Arizona, Tucson, Ariz. 85721.

VARMA, DR. BAIDYA NATH, b. Bargaon, India, Mar. 10, 21; m. 42; c. 3. **SOCKOLOGY, ANTHROPOLOGY.** B.A., Patna, 41; M.A., Missouri, 49; Ph.D., Columbia, 58. Lectr., Columbia, 52-55, 57-58; res. assoc. sociol., Cornell, 55-58; from instr. to asst. prof., Hofstra, 58-60; lectr. SOCIOL. & ANTHROP., CITY COL. NEW YORK, 60-61, asst. prof., 61-67, ASSOC. PROF., 67- Nat. Inst. Ment. Health summer res. grant, 62; Am. Inst. Indian Studies sr. faculty res. fel., 64-65; vis. prof., Patna, 64-65; vis. assoc. prof., Columbia, 68-69; Int. Sociol. Asn. & Am. Social Asn. travel awards, World Cong. Sociol., Avion, France, summer 66; chmn. conf., Center Indian Studies, Sorbonne, Paris, spring 69. Consult., U.S. Info. Agency, 50-; chief consult., Indian Law Inst., 65. Mem. Res. Orgn. Study Hindi, 51- Int. cert. merit, German Govt., 65. Am. Sociol. Asn.; Anthropol. Asn.; Asn. Asian Studies; Indian Sociol. Soc. Comparative study of social processes in developing and industrial nations; theoretical sociology; qualitative methods; integration of social science and humanities; theoretical implications of community studies; reference group behavior; sociology of law. Publ: New survey of the social sciences; Contemporary India: a social scientific survey; Contributions of qualitative research for macroscopic quantitative data, *Ann. N.Y. Acad. Sci.*, 4/67. Address: 62 Belvedere Dr., Yonkers, N.Y. 10705.

VARMA, PROF. RANBIR, b. Bihar, India, Nov. 28, 28; m. 57. **ECONOMICS.** B.A., Patna, India, 49; M.A., Columbia, 52; Sidney Hellman fel., New Sch. Soc. Res., 53-54, Ph.D.(labor econ.), 57. Lectr. lang. Columbia, 55-57; from asst. prof. to PROF. ECON., LONG ISLAND, 57- Econ. Asn. Foreign aid and economic development; examining the role of economic assistance; loans and grants given by the industrial countries and the international agencies to the underdeveloped countries and their impact upon the economic growth in the latter countries. Publ: Industrial labor as a factor of economic growth in India, *Int. Contemporary India*; Industrial labor in India, *New India J.* Address: Dept. of Economics, Brooklyn Center, Long Island University, Brooklyn, N.Y. 11201.

VARNER, DR. NELLIE M., b. Lake Cormorant, Miss., Aug. 27, 35. **POLITICAL SCIENCE.** B.S., Wayne State, 58, M.A., 59; Nat. Defense For. Lang. fel., Michigan, 66-68, Ph.D.(polit. sci.), 68. Teacher, pub. schs., Mich., 59-64; teaching fel. polit. sci., MICHIGAN, 64-65, ASST. PROF. POLIT. SCI. & SPEC. ASST. TO DEAN COL. LIT. SCI. & ARTS, 68- Cong. intern., Charles C. Diggs, Jr., U.S. Cong., summer 66. Polit. Sci. Asn. Soviet area studies; international relations; comparative government; contemporary theory. Address: 2407 Concord St., Detroit, Mich. 48207.

VARNEY, PROF. CHARLES B(ROADWELL), b. Bennet, Neb., Nov. 19, 16; m. 48; c. 5. **GEOGRAPHY.** B.A., Colorado, 50; scholar, Clark, 50-51, M.A., 53, fel., 53-54, Ph.D.(geog.), 63. Acting coordinator, Christian Serv. Training Center, Fla., 51-52; instr. geog., State Univ. N.Y. Col. Ed.(Fredonia), 52-53; asst. grad. sch., Clark, 53-54; asst. prof. geog. & geol., Tampa, 54-57; instr. soc. sci. & geog., Florida, 57-63, asst. prof., 63; assoc. prof. GEOG., WIS. STATE, WHITEWATER, 63-64, PROF., 64-, DIR. UNIV. HONORS PROG., 65- Dir. Nat. Defense Ed. Act. Summer Inst. Adv. Study Geog., 66; Nat. Sci. Found. In-Serv. Inst. Phys. Geog., 67-68. U.S.M.C., 36-40. Asn. Am. Geog.; Nat. Coun. Geog. Ed.; Am. Geog. Soc.; Nat. Collegiate Honors Coun. Cultural and economic geography; East Asia. Publ: The Dakotas; co-auth. Geography via projected media, *Nat. Coun. Geog. Ed.*, 68. Address: Dept. of Geography, Wisconsin State University, Whitewater, Wis. 53190.

VARNEY, GLENN HERBERT, b. Jefferson, Ohio, Dec. 1, 26; m. 51; c. 2. **INDUSTRIAL RELATIONS.** B.Sc., Ohio State, 49, M.B.A., 51. Asst. personnel mgr., Rusco Indus., 52-56; mgr. mgt. develop., Diamond Shamrock Co., 56-66; DIR. EMPLOYER RELS., HARSHAW CHEM. CO., CLEVELAND, 66- Instr. Cuyehoga Community Col., 65-; lectr., Indust. Ed. Inst., 67-; res. asst. bur. indust. rels., Univ. Michigan, 67- U.S.A., 44-45, 51-56, 1st Lt. Soc. Training & Develop.; Mgt. Asn. Employee performance planning and review for improved performance using a results oriented approach. Publ: Planning and reviving employee performance, *Mgt. Adv.*, 67; co-auth. Installing job evaluation in 31 days, *Personnel*, 68. Address: 6837 Rosemont Dr., Brecksville, Ohio 44141.

VARNEY, DR. H(ARRY) R(OSS), b. Bristol, Vt., Dec. 11, 05; m. 27; c. 1. **AGRICULTURAL ECONOMICS.** B.S., Vermont, 26, M.S., 32; Ph.D.(mkt), Cornell, 35. County agr. agent, Vt. Agr. Exten. Serv., 28-32, mkt. specialist, 35-38, exten. economist, 39-42; asst. agr. econ. exp. sta., Cornell, 32-35, instr. mkt., 35; sr. mkt. specialist, dairy sect., Agr. Adjust. Admin., 38-39; asst. dean agr. & asst. dir. exten. serv. exp. sta., Vermont, 42-46, assoc. dean & dir., 46-47; dean & dir. exten. serv. exp. sta., N.Mex. Col., 47-50; dean col. agr., forestry & home econ. & dir. agr. exp. sta., West Virginia, 50-53, 54-57; chief of staff, U.S. Senate Cmt. Agr. & Forestry, D.C., 53-54; AGR. ATTACHE, FOR. AGR. SERV., U.S. DEPT. AGR., Djakarta, Indonesia, 57-59, AM. EMBASSY, Stockholm, Sweden, 60-62, Karachi, Pakistan, 62-66, PRETORIA, S.AFRICA, 67- Marketing dairy products; farm management; transportation of milk and cream to the New York market. Address: Pretoria, U.S. Dept. of State, Washington, D.C. 20521.

VARVEL, PROF. WALTER A(LPHONSO), JR., b. Ft. Scott, Kans., Nov. 18, 08; m. 31; c. 3. **PSYCHOLOGY.** A.B., Kansas, 32, M.A., 33, Ph.D.(psychol.), 38. Instr. psychol., Kansas, 34-39; Gen. Ed. Bd. fel., Iowa, 39-40; asst. PSYCHOL., Chicago, 40-41; assoc. prof., TEXAS A&M, 41-45, PROF., 45-, mem. grad. coun. Psychol. Asn. Projective techniques; counseling; industrial psychology. Publ: Rorschach Ink Blot test, intercorrelation, depression. Address: Dept. of Psychology, Texas A&M University, College Station, Tex. 77843.

- VASTINE, DR. WILLIAM JOHN, b. Cincinnati, Ohio, Sept. 24, 39; m. 63; c. 2. AGRICULTURAL ECONOMICS. B.S. Ohio State, 60, M.S. 63, Ph.D. (food distribution), 66. Mgt. trainee food retailing, Kroger Co, Ohio, 60-61; counsr. & instr. col. agr. & home econ. Ohio State, 61-65, instr. agr. econ. 65-66; ASST. PROF. AGR. ECON. & AGR. BUS. NEW MEXICO STATE, 66- Agr. Econ. Asn. Food distribution economics; agricultural marketing; consumer economics; agricultural business management. Publ: It is in your hands, Foodland Clover Farm, 66; co-auth. Food prices and the farmers share, Spec. Report State Senate, 67 & Case life of fresh meats in a retail market preliminary report, Coop. Exten. Serv, 67, New Mexico State Univ. Address: Dept. of Agricultural Economics, New Mexico State University, Las Cruces, N.Mex. 88001.
- VATTANO, DR. FRANK J(OHN), b. Chicago, Ill, Apr. 11, 31; m. 58; c. 5. PSYCHOLOGY. B.S. Colorado State, 58; M.A. Ohio State, 60, Ph.D. (psychol), 62. Asst. instr. psychol, Ohio State, 60-62; asst. prof. Denver, 62-64; Colorado State, 65; asst. dean, COL. ARTS & SCI, DENVER, 65-67, ASSOC. DEAN, 67- U.S.A.F. 51-54, S/Sgt. Psychol. Asn. Learning in planarians and humans; study skills; educational television. Publ: Tracking performance as a function of distorted knowledge of results, 64 & co-auth. Learning in planarians as a function of interstimulus interval, 64, Psychonomic Sci. Address: College of Arts & Sciences, University of Denver, Denver, Colo. 80210.
- VATTER, DR. ETHEL L, b. Youngstown, Ohio, Oct. 22, 09; div; c. 2. ECONOMICS. B.A. California, 44, M.A. 52; Ph.D. Iowa, 62. Instr. econ. Ore. State Col, 47-50, agr. ed. off. pubs. 55-57; instr. econ. Iowa, 57-59, res. assoc. bur. bus. & econ. res. 57-62; ASSOC. PROF. FAMILY ECON, COL. HOME ECON, CORNELL, 62-, ASST. COORDINATOR RES, 66- Econ. Asn; Home Econ. Asn. History of economic thought; industrial organization; economic development; family economics. Publ: Integration in Iowa agriculture, In: Urban responses to agricultural change; Structural change in personal consumption; Private pension accruals. Address: College of Home Economics, Cornell University, Ithaca, N.Y. 14850.
- VATTER, PROF. HAROLD G(ODHUE), b. Glen Rock, N.J., Dec. 18, 10. ECONOMICS. A.B. Wisconsin, 36; A.M. Columbia, 38; Ph.D. California, 50. Assoc. prof. ECON, Oregon State, 50-57; Carleton Col, 58-64; PROF, PORTLAND STATE COL, 65- Econ. Asn. Theory of business enterprise. Publ: Small enterprise and oligopoly: a study of the butter, flour, auto, and glass container industries; United States economy in the 1950's; co-auth. Poverty in affluence. Address: Dept. of Economics, Portland State College, Portland, Ore. 97207.
- VATTER, DR. PAUL A(UGUST), b. Boston, Mass, Sept. 14, 24; m. 47; c. 1. STATISTICS. A.B. Col. Holy Cross, 44; A.M. Pennsylvania, 47, Ph.D. (econ), 53. Instr. econ. & soc. statist, Pennsylvania, 45-53, asst. prof. 53-58, v. dean men, 54-58; asst. dean, GRAD. SCH. BUS. ADMIN. & mem. faculty, HARVARD, 58-62, ASSOC. PROF. BUS. ADMIN, 62-, CHMN. DOCTORAL PROG, 67-, admin. dir. doctoral prog, 62-67. Res. dir. United Fund of Phila, 53-54. Statist. Asn. Application of statistical methods to economic data; marketing research; educational administration. Address: Doctoral House, Harvard Graduate School of Business Administration, Boston, Mass. 02163.
- VATTER, PROF. WILLIAM J(OSEPH), b. Cincinnati, Ohio, Jan. 6, 05; m. 30; c. 2. BUSINESS ADMINISTRATION. B.S. Miami (Ohio), 34; M.B.A. Chicago, 37, Ph.D. 46. Asst. prof. acct, Chicago, 39-43, assoc. prof. prod. & acct. control, 43-46, PROF. acct, 46-57; BUS. ADMIN, CALIFORNIA, BERKELEY, 57- Fulbright prof. Melbourne, 55; Ford Found. res. prof, Chicago, 66. Consult. Bur. Naval Personnel, 49. Econ. Asn; Acct. Asn. Accounting measurements and reports in relation to economic theory and managerial practices. Publ: Managerial accounting; Management planning for corporate taxes; Accounting education in Australia, Ramsay-Ware, Melbourne, 64. Address: 1150 Shevlin Dr, El Cerrito, Calif. 94530.
- VAUGHAN, PROF. DONALD S(HORES), b. Cape Girardeau, Mo, Oct. 17, 21; m. 45; c. 2. POLITICAL SCIENCE. B.S. Vanderbilt, 43; fel. & M.A. Alabama, 47; South Regional Training Prog. Pub. Admin. fel. 47-49; Ph.D. (pub. law, govt), Columbia, 67. Instr. polit. sci, Alabama, 49-50, asst. bur. pub. admin, 50-51, asst. dir. Montgomery Center, 51-52, dir. Gadsden Center, 52-55; asst. prof. polit. sci, MISSISSIPPI, 55-60, acting assoc. prof, 60-67, PROF. POLIT. SCI, 67-, DIR. BUR. GOVT. RES, 68-, asst. dir, 57-67, assoc. dir, 67-68. Mem. faculty, Hwy Mgt. Inst, Miss, 66; lectr, Hwy. Mgt. Seminar, Ga, 67. Consult. state & local govt. Ed. & contrib. Pub. Admin. Surv. U.S.N.R. 43-46, Lt. Polit. Sci. Asn; Soc. Pub. Admin. Administrative power and responsibility at state level of government; public administration; state and local government; public relations. Publ: Co-auth. Yesterday's Constitution today; Manual of Mississippi's municipalities; auth. Administrative responsibility in Alabama, privately published, 67. Address: Box 72, University, Miss. 38677.
- VAUGHAN, PROF. GEORGE E, JR, b. Ft. Worth, Tex, Oct. 8, 26; m. 50; c. 2. PSYCHOLOGY. B.A. Texas Christian, 49; M.A. N.Tex. State Col, 50; Ed.D. (counseling), North Texas State, 63. Counsr. Belton Independent Sch. Dist, 50-52; interviewer, Tex. Employ. Cmn, 52-56; instr. psychol, TEXAS A&I, 56-62, asst. prof, 62-63, PROF. PSYCHOL. & CHMN. DEPT. PSYCHOL. & SOCIOL, 63-, acting dir. student personnel serv, 56-58, coordinator exten, 58-62. U.S.N. 45-46. Psychol. Asn. Ethnic differences in relation to academic success; measurement of ethnic attitudes. Address: Dept. of Psychology & Sociology, Box 2214, Texas A&I University, Kingsville, Tex. 78363.
- VAUGHAN, DR. JAMES AGNEW, b. Shannon, Miss, Feb. 21, 36; m. 55; c. 2. ORGANIZATIONAL BEHAVIOR. B.A. Millsaps Col, 58, M.A. Wesleyan, 60; Ph.D. (psychol), La. State, 63. Asst. prof. ORGN. BEHAV, Pittsburgh, 62-65, assoc. prof, 66-68, Ford faculty fel. 65-66, ASSOC. PROF. ROCHESTER, 68- Psychol. Asn. Impact of the computer on managerial and organizational behavior; laboratory techniques of management training and development; management of organizational change. Publ: Co-auth. Training in industry: the management of learning, Wadsworth, 66 & Managerial reactions to computers, Banking, 67; auth. Some effects on business gaining of previous quasi-T group affiliations, J. Appl. Psychol, 67. Address: Management Research Center, 1409 Temple Bldg, Rochester, N.Y. 14606.
- VAUGHAN, PROF. JAMES H(ERBERT), JR, b. Norfolk, Va, July 28, 27; m. 50; c. 2. ANTHROPOLOGY. B.A. Univ. of the South, 50; M.A. North Carolina, 52; fel. Northwestern, 56-59, Ph.D. 60. Asst. prof. ANTHROP, Rockford Col, 61; Cincinnati, 61-67; ASSOC. PROF. INDIANA, 67- Ford Found. fel. 59-60. Mem. President's Task Force, Africa, 60. U.S.C.G. 45-46; U.S.N. 52-56, Res. 56-67, Lt. AAAS; Anthropol. Asn. African Studies Asn; Int. African Inst. Cultural theory; political anthropology; ethnography of Africa, especially the Mandara Mountains and Nigeria. Address: Dept. of Anthropology, Indiana University, Bloomington, Ind. 47401.
- VAUGHAN, DR. L(AWRENCE) M(OORE), b. Ft. Ann, N.Y, June 1, 98; m. 33; c. 2. AGRICULTURAL ECONOMICS. B.S. Cornell, 23, Ph.D. (agr. econ), 28. Instr. farm mgt, Cornell, 24-29, asst. prof, 29-32; exten. economist, U.S. Dept. Agr, 32-65; RETIRED. Agr. Econ. Asn. Farm management; land utilization; labor utilization. Publ: Farm work simplification. Address: 8916 Oneida Lane, Bethesda, Md. 20034.
- VAUGHAN, PROF. OLIVE E(LIZABETH), b. Bridgeport, Conn, Oct. 23, 25. ECONOMICS. B.A. Mt. Holyoke Col, 47, M.A. 49; Columbia, 64-68. Price economist, bur. labor statist, U.S. Dept. Labor, 49-50; commodity res. specialist, consumer price sect, Nat. Indust. Conf. Bd, 50-51, head ops, 51-52, chief, 52-58; res. analyst, Gen. Elec. Co, 58-66; ASST. PROF. ECON, C.W. POST COL, LONG ISLAND, 67- Econ. Asn; Statist. Asn. Statistics; consumer economics and behavior; industrial and consumer market structure. Address: 222 E. 19th St, New York, N.Y. 10003.
- VAUGHAN, RICHARD PATRICK, S.J, b. Los Angeles, Calif, May 26, 19. PSYCHOLOGY. A.B. St. Louis, 43, M.A. 45; S.T.L. Alma Col, 51; Ph.D. Fordham, 56. Instr. PSYCHOL, SAN FRANCISCO, 56-67, PROF, 67-, CHMN. DEPT, 58-, DEAN COLS. ARTS & SCI, 67-, dir. psychol. serv, 60-67. Clin. psychologist, McAuley Clin, St. Mary's Hosp, San Francisco, Calif, 56-60. Psychol. Asn. Personality characteristics of college students and counseling theory. Publ: Existentialism in counseling, 3/65 & Academic achievement, ability and MMPI scales, 10/67, Personnel & Guid. J. Address: Dept. of Psychology, University of San Francisco, San Francisco, Calif. 94117.
- VAUGHAN, DR. TED R(AY), b. Wellington, Tex, Oct. 9, 33; m. 54; c. 1. SOCIOLOGY. B.S. Sam Houston State Col, 55, M.A. 57; Ph.D. (sociol), Texas, 64. ASST. PROF. SOCIOL, Corpus Christi, 58-61; OHIO STATE, 64- Sociol. Asn. Sociological theory. Address: Dept. of Sociology, Ohio State University, Columbus, Ohio 43210.
- VAUGHAN, DR. WILLARD S(TANLEY), JR, b. Pittsburgh, Pa, Apr. 6, 29; m. 52; c. 3. PSYCHOLOGY. B.S. Allegheny, 51; M.A. Maryland, 54, Ph.D. (psychol), 56. Instr. psychol, Lehigh, 55-56; res. assoc, Psychol. Res. Assoc, 56-57; sr. res. scientist & v. pres, Human Sci. Res. Inc, 57-65; PRES. & RES. DIR, WHITTENBURG, VAUGHAN ASSOCs, INC, 66- U.S.A.R. 53-61, 1st Lt. Psychol. Asn; Human Factors Soc; Marine Tech. Soc. Field experimentation on military criterion problems; human capacities in performance of data processing tasks in decision making; design of military command control systems; human performance in undersea environment. Address: 3223 Alice Court, Falls Church, Va. 22042.
- VAUGHN, DR. CHARLES L(ECLAIRE), b. Emporia, Kans, Oct. 5, 11; m. 35; c. 4. PSYCHOLOGY. B.S. Kans. State Teachers Col, 31; scholar, Chicago, 31-32, fel. 33-35, Ph.D. (psychol), 36. Res. Assoc, Wayne Co. Training Sch, Mich, 35-36; clin. psychologist, Psychopath. Clin, Recorder's Court, Detroit, 37-40; instr. psychol. & head student guid. serv, Arizona, 40-43; asst. dir. mkt. res, Psychol. Corp, N.Y., 46-59; sr. psychologist, Dunlap & Assocs, Conn, 59-61; DIR. BUR. BUS. RES, BOSTON COL, 61- Lectr, N.Y. Univ, 46-47. Consult, Mars, Inc, D.C. 67, McLenDon Ed. Inst, Tex, 67- Mem. bd. dirs, Communicare, Inc, Mass, 67- U.S.N. 43-46, Lt. Fel. Psychol. Asn; Mkt. Asn; Asn. Pub. Opinion Res; Sales & Mkt. Exec. Int. Consumer research; management systems; applied psychology. Publ: Adaptability for survival in the defense industries, Boston Col, 65; co-auth. Franchising, today 1966-67, Bender, 67; auth. Scale for assessing socioeconomic status in survey research, Pub. Opinion Quart. Address: 41 Stratford Rd, Needham, Mass. 02192.
- VAUGHN, DR. DONALD EARL, b. Denton, Tex, Mar. 28, 32; m. 53. FINANCE, ACCOUNTING. B.B.A. North Texas State, 53, fel. 53-55, M.B.A. 55; fel. Texas, 59-61, Ph.D. 61. Instr. bus. math. machs, North Texas State, 53-55; finance, W.Tex. State Col, 57-59; lectr, Texas, 59-61; asst. prof. La. STATE, 61-64, ASSOC. PROF. BUS. FINANCE, 64- Nat. Guard, 51-55; U.S.A. 55-57. Econ. Asn; Finance. Asn. Portfolio management; forecasts of expected lifetime income; capital project evaluation. Publ: Co-auth. Cases in financial decision making, Prentice-Hall, 67; auth. Survey of investments, Holt, 67; Credit union management, Bur. Res. Col. Bus. La. State Univ, 66. Address: College of Business, Louisiana State University, Baton Rouge, La. 70803.
- VAUGHN, GERALD FRANKLIN, b. Salisbury, Md, Aug. 8, 38; m. 61. AGRICULTURAL ECONOMICS. B.S. Maryland, 60; M.S. Delaware, 62; Texas A&M, 62-64. Agr. economist, urban impact invests, econ. res. serv, U.S. Dept. Agr, 60-63; resource develop. specialist, coop. exten. serv, Texas A&M, 63-64; planner, Md. State Planning Dept, 64-66; COORDINATOR COMMUNITY & RESOURCE DEVELOP, COOP. EXTEN. SERV, DELAWARE, 67- Agr. Econ. Asn; Econ. Asn. Economics of land use and development, especially rural-urban fringe areas surrounding cities; outdoor recreation and open space preservation; human resource development and antipoverty programs. Publ: A guide to informational films, filmstrips, and slide series useful in community development for small cities and rural areas of Delaware, Univ. Delaware, 67; In search of standards for preserving open space, Pub. Admin. Rev, 12/64; Discussion: an agricultural land use program for urbanizing areas, J. Farm Econ, 12/66. Address: Cooperative Extension Service, University of Delaware, Newark, Del. 19711.
- VAUGHN, J(AMES) A(BBOTT), b. Boston, Mass, Mar. 2, 09; m. 38. ECONOMICS. B.B.A. Boston, 37, M.B.A. 39; LL.B. Suffolk, 42. Teacher hist, Vermont Acad, 43-44; lectr. econ, Boston, 44-45; lectr. econ. & dir. pub. rels, Simmons Col, 45-51; economist & New Eng. mgr, James Flett Orgn,

- Inc, 51-56; PRES, NEW ENG. MGT. CORP, 56- Am. Econ. Assn; fel. Royal Econ. Soc. Economic theory; economic history; business management. Publ: The business trust; Political influence of unions; This business of fund raising. Address: 581 Cambridge St, Allston, Mass. 01001.
- VAUGHN, DR. KENNETH W(ILLARD), Psychol, see 10th ed, Soc. & Behav. Vols.
- VAUGHN, PROF. RICHARD C(LEMENTS), b. Ionia, Mich, Jan. 17, 25; m. 47; c. 5. INDUSTRIAL ENGINEERING. B.A, Mich. State, 48; M.I.E, Toledo, 55. Asst. dent. mat, Michigan, 49-51; res. assoc, Ransom & Randolph Co, Ohio, 51; time study trainee, Brown Trailers, Inc, 51-52; mem. time study staff, Martin-Parry Corp, 52-53; indust. engr, A.P. Parts Corp, 53-55; chief indust. engr, Mather Spring Co, 55; process engr, Ford Motor Co, Mich, 55-56; process & methods supvr, Dura Div, Detroit Harvester Co, Ohio, 56-57; asst. prof. INDUST. ENG, Florida, 57-62; assoc. prof, IOWA STATE, 62-68, PROF. 68- Consult, Liberty Bell Mfg. Co, 59-61. U.S.C.G, 42-45. Soc. Eng. Ed; Inst. Indust. Eng; Soc. Qual. Control. Publ: Legal aspects of engineering; Introduction to industrial engineering, Iowa State, 9/67. Address: 303 Marston Hall, Iowa State University, Ames, Iowa 50010.
- VAUGHN, PROF. WILLIAM J, b. Medford, Mass, May 7, 29. SOCIAL SCIENCE, EDUCATION. B.S, Bridgewater State Teachers Col, 50; Ed.M, Boston, 54; Maryland, 54-55. Instr. soc. sci, Pembroke Acad, 53-55; Roberts Jr. High Sch, 55-59; head dept. hist. & soc. sci, Masconomet Regional High Sch, 59-65; ASSOC. PROF. SOC. SCI, MASS. STATE COL. SALEM, 65. U.S.A, 51-53, Sgt. Hist. Assn; Ed. Assn. Education curriculum. Address: Dept. of Social Science, Massachusetts State College, Salem, Mass. 01970.
- VAUGHT, DR. GLEN MCCOY, b. Tralee, W.Va, July 20, 33; m. 58. PSYCHOLOGY. B.A, Detroit Inst. Tech, 61; Carl Rogers & Univ. fel, Wisconsin, 61-62; Ph.D.(psychol), St. Louis, 64. Lectr. adult ed, Michigan, Dearborn Campus, 64-65; ASST. PROF. PSYCHOL, Albion Col, 65-68; STATE UNIV. N.Y. COL. OSWEGO, 68- Fel, Lafayette Clin, Detroit, Mich, 64-65; guest lectr, Western Michigan, summer 65. U.S.N, 52-56. AAAS; Psychol. Assn. Personality; cognitive styles, including the way in which individuals adapt to the surround. Publ: Co-auth, Field-dependence and form discrimination in males, 67, auth, Change in form discrimination error scores as a function of vibratory stimulation, 67 & Form discrimination as a function of sex, procedure and tactual mode, 68, Psychonomic Sci. Address: Dept. of Psychology, State University of New York College at Oswego, Oswego, N.Y. 13126.
- VAUGHTER, DR. REESA M, b. Knox City, Tex, Oct. 24, 40. EXPERIMENTAL PSYCHOLOGY. B.A, Tex. Tech. Col, 63, Ph.D.(psychol), 67; M.A, Texas, 64. Asst. prof. EXP. PSYCHOL, Northern Illinois, 67-68; NAT. INST. MENT. HEALTH FEL, CALIFORNIA, SANTA BARBARA, 68- AAAS; Psychol. Assn. Experimental child psychology; learning and motivation and cognitive processes. Publ: Co-auth, The Moss-Harlow effect in children as a function of age, J. Exp. Child. Psychol, 4: 280-284; auth, Analysis of discrimination reversal learning in children, Psychonomic Sci, 68. Address: Dept. of Psychology, University of California, Santa Barbara, Calif. 93106.
- VAUX, PROF. HENRY J(AMES), Forest Econ, see 11th ed, Phys. & Biol. Vols.
- VAYDA, DR. ANDREW P(ETER), b. Hungary, Dec. 7, 31; nat. ANTHROPOLOGY. A.B, Columbia, 52, William Mitchell fel, 52-53, univ. fel, 53-54, Ph.D.(anthrop), 56; Fulbright scholar, N.Z, 54-55. Asst. ANTHROP, Columbia, 55-56; Soc. Sci. Res. Coun. res. fel, 56-57; lectr, British Columbia, 58-60; asst. prof, COLUMBIA, 60-64, ASSOC. PROF, 64- Prin. investr, Nat. Sci. Found. res. grants for Columbia Univ. Proj, human ecology of New Guinea Rainforest, 62-65. Fel. Anthrop. Assn. Ecology; evolutionary processes; warfare; economic organization; health and nutrition; Oceania. Publ: Maori warfare, Polynesian Soc, 61; Polynesian cultural distributions in new perspective, 59 & Expansion and warfare among swidden agriculturalists, 61, Am. Anthropologist. Address: Dept. of Anthropology, Columbia University, New York, N.Y. 10027.
- VAYHINGER, DR. JOHN MONROE, b. Upland, Ind, Jan. 27, 16; m. 39; c. 2. CLINICAL PSYCHOLOGY. A.B, Taylor, 37; Asbury Theol. Sem, 37-39; B.D, Drew, 40, M.A, 51; M.A, Columbia, 48, Ph.D, 56. Pastor, Methodist Churches, Ind, N.Y. & Conn, 38-44; instr. pastoral psychol, Drew Theol. Sem, 48-49; assoc. prof. psychol. & head dept, W.Va. Wesleyan Col, 49-51; chief clin. psychologist, Adult & Child Guid. Clin, South Bend, Ind, 51-58; prof. pastoral psychol. & counseling, Garrett Theol. Sem, Northwestern, 58-64, psychol. relig. & pastoral counseling, 64-67, res, Garrett Study Motivation in Ministry, 58-62, dir. res. proj. II, 62-64; CLIN. PSYCHOLOGIST, N.W. COLO. MENT. HEALTH CLIN, 67- Pastor, Portage Chapel Methodist Church, Ind, 51-58; lectr, Indiana, 53-58; minister pastoral counseling, Park Hill Methodist Church, Colo, 67-; lectr, Colorado, 67- Dipl. Am. Bd. Exam. Prfnl. Psychol, 58. U.S.A, 44-47, Capt. AAAS; Psychol. Assn; Soc. Proj. Tech; fel. Orthopsychiat. Assn; Group Psychother. Assn; Acad. Relig. & Ment. Health; Assn. Pastoral Counsr. Treatment of emotional conflicts: research in motivation and abnormal psychology; pastoral psychology: selection, testing and counseling of seminarians. Publ: Co-auth, Casebook in pastoral counseling; contrib, Dynamics and process of pastoral counseling, In: Dictionary of practical theology, Baker Book House, 67; Reality oriented pastoral therapy, In: International handbook of direct and behavior psychotherapies, Prentice-Hall, 68. Address: 3377 S. Willow Court, Denver, Colo. 80222.
- VAZQUEZ, DR. MARIO CARLOS, b. Aquia, Peru, Jan. 19, 26; m. 59; c. 1. ANTHROPOLOGY. B.A, Lima, 49, Litt.D, 51; M.A, Cornell, 55. Asst. bibliog, Pub. Library Peru, 48-49; field res. anthrop, Cornell, 49-50, 52-54, res. asst, 54-56, field dir. appl. sci, 57-65, regional coordinator Andean Indian community res, 65-67; prof, Nat. Univ. Eng, Peru, 67-68; CHMN. DEPT. ANTHROP, PONTIFICAL CATH. UNIV, PERU, 68- Vis. prof, Nat. Sch. Anthrop. & Hist, Mex, 60. Fel. Am. Anthrop. Assn; Sociol. Assn; Soc. Appl. Anthrop; Soc. Int. Develop; Peruvian Anthrop. Assn.(pres, 66-67); Inter-Am. Planning Soc; Latin Am. Studies Assn. Social and applied anthropology; rural development. Publ: Educación rural en el Callejon de Huaylas, Editorial Estudios Andinos, 65; Bibliografía Peruana de ciencias sociales

- publicada en Ingles 1945-65, Asociación Peruana Antropólogos, 67; co-auth, The castas in Vicos, Peru, Ethnology, Vol. 5, No. 3. Address: Avenida Arequipa 3146 Depto. 302, San Isidro, Lima, Perú.
- VAZQUEZ CALCERRADA, PROF. PABLO B, b. Lares, P.R, Dec. 30, 17; m. 52; c. 1. SOCIOLOGY. B.S.A, Puerto Rico, 40; M.S. Wisconsin, 48. Ph.D.(sociol), 50. Instr. voc. agr, insular bd. voc. ed, Dept. Ed, P.R, 40-42; from field enumerator to rural sociologist, agr. exp. sta, Puerto Rico, 42-50, head dept. agr. econ. & rural sociol, 50-52; asst. dir. land reform soc. progs, Dept. Agr, P.R, 52-54, exec. dir, 54-60; PROF. SOCIOL, PUERTO RICO, 60- Vis. prof, Georgia, 67- Consult. land reform, Venezuela, 61. Rural Sociol Soc; Sociol. Assn. Levels and standards of living in Puerto Rico and the Dominican Republic; community development; social aspects of cooperative associations. Publ: Aspectos sociológicos en una cooperativa de consumo, Univ. Puerto Rico, Agr. Exp. Sta. Bull. 118, 54; Housing in Puerto Rico under mutual aid and self help, Papers World Planning & Housing Cong, 60; Land reform in Puerto Rico, Mexican Sociol. Rev, 65. Address: Dept. of Sociology, University of Puerto Rico, Rio Piedras, P.R. 00931.
- VEAZIE, CARL E(DWARD), b. Seattle, Wash, Nov. 15, 20; m. 53; c. 1. ECONOMICS, BUSINESS ADMINISTRATION. A.B, Whitman Col, 43; M.B.A, Columbia, 48. Asst. trade economist, Port of N.Y. Authority, 48-54; economist, Tippetts-Abbett-McCarthy-Stratton, 54-56; transportation economist, Metrop. Rapid Transit Cmn, 56-58; ECONOMIST, Ebasco Serv, Inc, 58-59; STATE DEVELOP. CMN, CONN, 59- Sig.C, U.S.A, 43-46. Econ. Assn; Statist. Assn; Inst. Planners; Asn. Bus. Econ; Transportation Res. Forum. Transportation; economic development; demography. Publ: The economy (of Connecticut), 66 & Transportation (in Connecticut), 66, Conn. Inter-regional Planning Prog. Address: 75 Starr Ave, Newington, Conn. 06111.
- VEDDER, DR. JAMES NORMAN, b. Buffalo, N.Y, Aug. 16, 35; m. 58; c. 2. ECONOMICS, STATISTICS. B.S, Buffalo, 57, M.B.A, 59; Ph.D.(bus. admin), Michigan, 66. Lectr. statist, Buffalo, 57-61; res. assoc. econ, Michigan, 61-64; ASST. PROF. STATIST. & BUS. ECON, SYRACUSE, 64- Econ. Assn; Statist. Assn. Decision theory; quantitative aids to administration; operations research. Publ: Co-auth, State economic development, Univ. Michigan Bur. Bus. Res, 67. Address: 206 Sims Hall, Syracuse University, Syracuse, N.Y. 13210.
- VEENDORP, DR. EMIEL C.H, b. Groningen, Netherlands, Mar. 13, 35; m. 63; c. 1. ECONOMICS. Groningen, 52-60; Ph.D.(econ), Rice, 63. Instr. ECON, Groningen, 63-65; ASST. PROF, TULANE, 65- Mathematical economics; price theory. Publ: Co-auth, Mr. Wells' aggregate supply function, a comment, Econ. J, 9/61 & Decentralisatie en het gebruik van interne verrekenn-prijzen, Bedrijfs-economische verkenningen, 65; auth, The Stability of simple growth models, South. Econ. J, 1/68. Address: Dept. of Economics, Tulane University, New Orleans, La. 70118.
- VEGH, JENO, Econ, see 10th ed, Soc. & Behav. Vols.
- VEIDEMANIS, DR. JURIS, b. Riga, Latvia, May 19, 23; U.S. citizen; m. 53; c. 1. SOCIOLOGY. B.A, North Dakota, 51; M.A, Wisconsin, 52, Ph.D.(sociol), 61. Asst. prof. SOCIOL, Wisconsin, Milwaukee, 55-64; ASSOC. PROF, WIS. STATE, OSHKOSH, 64- Mem, Max Weber Centennial Cmn, 62-64. Sociol. Assn; Soc. Study Soc. Probs. Problems of minority and ethnic groups; alcoholism; inter-disciplinary courses in international studies, especially on Soviet-controlled Europe. Publ: A twentieth century pioneer settlement: Latvians in Lincoln County, Wisconsin, Midcontinent Am. Studies J, spring 63; Neglected areas in the sociology of immigrants and ethnic groups in North America, Sociol. Quart, 4: 325-333; Towards the sociology of ethnic groups in politics, Indian Sociol. Bull, 10/65 & Current Sociol, 1/66. Address: Dept. of Sociology, Wisconsin State University, Oshkosh, Wis. 54901.
- VEINOTT, PROF. ARTHUR F(ALES), JR, Opers Res, see 11th ed, Phys. & Biol. Vols.
- VELDMAN, DR. DONALD J, b. Grand Rapids, Mich, Dec. 24, 31; m. 55; c. 4. COMPUTER SCIENCE, EDUCATIONAL PSYCHOLOGY. B.A, Hope Col, 53; Ph.D.(psychol), Texas, 60. Res. assoc. ED. PSYCHOL, TEXAS, AUSTIN, 59-61, asst. prof, 61-64, ASSOC. PROF, 64- U.S.A, 53-55. Psychol. Assn; Ed. Res. Assn; Asn. Comput. Mach. Computer based psychological assessment and statistical analysis; teacher personality and behavior. Publ: Co-auth, Introductory statistics for the behavioral sciences, 65 & auth, Fortran programming for the behavioral sciences, 67, Holt. Address: Drawer J, University Station, University of Texas, Austin, Tex. 78712.
- VELIKONJA, DR. JOSEPH, b. Ljubljana, Yugoslavia, Apr. 17, 23; nat; m. 50; c. 2. GEOGRAPHY. Ph.D, Rome, 48. Vis. lectr. GEOG, Elmhurst Col, 58-59; lectr, univ. col, Chicago, 59; asst. prof, Southern Illinois, 59-62, acting chmn. dept, 61-62, ASSOC. PROF, 62-64; WASHINGTON (SEATTLE), 64- Vis. assoc. prof, Yale, 63-64; vis. prof, Liverpool, 67-68; summer vis. lectr, Wisconsin, 61. Asn. Am. Geog; Regional Sci. Assn; Geog. Soc. Am; Am. Assn. Adv. Slavic Studies; Nat. Coun. Geog. Ed; Pop. Assn. Am; Italian Soc. Geog. Cultural and political geography; regional geography of central and southeastern Europe and Soviet Union. Publ: Italians in the United States, Geog. Dept, Southern Illinois Univ, 63; Distribuzione geografica degli italiani negli Stati Uniti; Postwar population movements in Europe, Ann. Assn. Am. Geog. Address: Dept. of Geography, University of Washington, Seattle, Wash. 98105.
- VELINSKY, PROF. STANISLAV J(OSEPH), b. Prelouc, Czech, Oct. 18, 99; m. 30; c. 2. PSYCHOLOGY. Sorbonne, 23-24; Ph.D.(psychol), Charles Univ, Prague, 24; Macy fel, Columbia, 28-29. Asst. prof. ed. psychol, Masaryk Univ, Czech, 28-32; prof. ed, Charles Univ, Prague, 32-48; vis. teacher comp. ed, Peabody Col, 50-52; psychol, State Univ. N.Y. Col. Ed. (Albany), 53-54; prof. ed. & head dept, Pikeville Col, 55-56; PROF. ED. & PSYCHOL. & HEAD DEPT, SHORTER COL.(GA), 56- Rockefeller res. grant, 50-52. Psychologist, Floyd County Child Guid. Clin, 58- Teacher training & psychol. expert, UNESCO Tech. Assistance Mission, Thailand, 52-53. Psychol. Assn; French Soc. Psychol. Structure of the personality; individualized instruc-

tion; philosophy as the guidepost for life. Publ: Individual foundations of social psychology; Psychology of attention; Personality's superstructure-the cosmic order and our mental health. Address: Dept. of Psychology & Education, Shorter College, Rome, Ga. 30161.

VELK, DR. THOMAS JAMES, b. Milwaukee, Wis, June 25, 38. ECONOMICS. B.S. Wisconsin, Milwaukee, 60; M.A. Wisconsin, 63, Ph.D. (econ, law), 67. Instr. ECON, Dartmouth Col, 64-66; ASST. PROF. MCGILL, 66- Econ. Asn. Monetary economics, its methodology; bank merger law and policy; theory of policy and control; bank market structure and merger policy; normativism and modern policy theory. Address: Dept. of Economics & Political Science, McGill University, Montreal, Que, Can.

VENABLE, PROF. TOM CALVIN, b. Bowling Green, Ky, Dec. 1, 21; m. 43; c. 3. EDUCATIONAL PSYCHOLOGY, EDUCATION. A.B. West. Ky. State Col, 46, M.A. 47; Ph.D. (ed. ed. psychol), George Peabody Col, 53. Asst. prof. ed. Murray State Col, 50-51, assoc. prof. ed. & psychol, 52-56; state supvr, Ky. Dept. Ed, 51-52; assoc. prof. ed. INDIANA STATE, 56-58, PROF. ED. & PSYCHOL, 58-, ASST. DEAN SCH. ED, 68- U.S.A.A.F, 42-45, 1st Lt. Teacher role and teacher role differentiation, especially implications for teacher education. Publ: Patterns of secondary school curriculum, Harper, 58; Philosophic foundations of the curriculum, Rand McNally, 67. Address: Dept. of Education & Psychology, Indiana State University, Terre Haute, Ind. 47809.

VENER, DR. LEONARD, b. New York, N.Y., Apr. 7, 27; m. 56; c. 1. PSYCHOLOGY. B.S.S. City Col. New York, 49; M.S. 51; Ph.D. (psychol), N.Y. Univ, 63. Soc. investr. Dept. Welfare, 51-53; asst. cottage father, Childrens Village, 53-54; probn. officer, gen. sessions, Magistrate, Family Court, 54-58; intern psychol, Vet. Admin, 58-61; sr. clin. psychologist, Brooklyn State Hosp, 61-64; CHIEF PSYCHOLOGIST, SING SING PRISON, 64- Lectr, Queens Col. (N.Y.), 65- Psychologist, L.I. Consult. Center, Jewish Family Serv, Civic Serv. Clin. & Great Neck Consult. Center, 59-65. U.S.N.R. 45-46. Psychol. Asn. Group and individual delinquency, crime, schizophrenia and psychotherapy. Address: 6 Key Place, Tappan, N.Y. 10983.

VENIAR, DR. FLORENCE ABT, b. New York, N.Y., Jan. 2, 24; m. 46; c. 3. PSYCHOLOGY. B.A. Hunter Col, 43; fel, 45-47; M.A. Columbia, 44, Ph.D. 48. Instr. psychol, Long Island, 47-48; lectr, div. gen. studies & res. asst, Columbia, 48-49, res. assoc, 53; assoc. eng. scientist, res. div. col. eng, N.Y. Univ, 53-55; res. assoc, Eng. Res. Inst, Mich, 56-59; res. psychologist, Jewish Voc. Serv, Chicago, 60-64; Vet. Admin, Newark, N.J. 64-66, chief audiol. & speech path. serv, 66; ASSOC. PROF. SPEECH & HEARING, DOUGLASS COL, RUTGERS, 66- Lectr, exten. div, Hunter Col, 45-52; instr, Pratt Inst, 50-51; lectr, Bellevue Sch. Nursing, 52-53. AAAS; Psychol. Asn; Geront. Soc; Speech & Hearing Assn. Experimental psychology; systems research; psychophysics; gerontology. Publ: Signal detection as a function of frequency ensemble, I & II, J. Acoustical Soc. Am; Some realities of research with a non-institutional aged population, Gerontologist, 64; Individual masking levels in pure tone audiometry, Am. Med. Asn. Arch. Otolaryngol, 65. Address: 67 Ridgewood Ave, Glen Ridge, N.J. 07028.

VENIAR, DR. SEYMOUR, b. New York, N.Y., Sept. 26, 21; m. 46; c. 3. PSYCHOLOGY. B.A. N.Y. Univ, 41; M.A. Columbia, 42, Ph.D. 50. Mem. sci. staff, div. war res, Columbia, 44-45; instr. psychol, sch. gen. studies, Hunter Col, 47-55; assoc. res. engr. systs. res. eng. res. inst, Michigan, 55-56, res. engr, Willow Run Labs, 56-58; mgr. systs. anal. eval. dept, Kellogg Switchboard & Supply Co. Div, INT. TEL. & TEL. CORP, 58-61, asst. dir. eng. res. & develop, 51-63, DIR. SYST. REQUIREMENTS, fed. labs, 63-65, DEFENSE & SPACE GROUP, 65- Eve. supvr. & prod. mgr, Benjamin Veniar Co, Inc, 46-51; scientist, res. div, col. eng, N.Y. Univ, 51-55. U.S.A. 43-44. AAAS; Psychol. Asn; Opers. Res. Soc. Systems research; engineering and experimental psychology; administration of research and development. Publ: Effect of continuous work on metabolic rate and palmar skin resistance; co-auth, An experimental investigation of the validity of an empirical measure of threat of enemy raids, Tech. Report 279-3-17, 11/53 & An experimental evaluation of three AEW-intercept systems for the airborne CIC, Tech. Report 279-3-21, 8/55, SPECDEVEN. Address: 67 Ridgewood Ave, Glen Ridge, N.J. 07028.

VENKATESAN, DR. MEENAKSHISUNDER, b. Madras, India, Jan. 19, 36; m. 65. MARKETING, CONSUMER BEHAVIOR. B.Com, Bihar, 59; Cowles Found. fel. & M.S. Minnesota, Minneapolis, 62, Ph.D. (bus. admin), 65. From teaching asst. to teaching assoc. bus, Minnesota, Minneapolis, 60-65; asst. prof, New Hampshire, 65-67; ASSOC. PROF. MKT, MASSACHUSETTS, AMHERST, 67- Ford Found. summer workshop fel, California, Berkeley, 68. Mkt. Asn; Inst. Mgt. Sci. Consumer psychology; laboratory methodology. Publ: Consumer behavior: conformity and independence, 11/66 & The phenomenon of experimenter effect, 5/67, J. Mkt. Res; co-auth, Resistance to persuasive communications: an examination of distraction hypothesis, J. Personality & Soc. Psychol, 68. Address: School of Business Administration, University of Massachusetts, Amherst, Mass. 01002.

VENNEMAN, HARRY (FRANCIS), b. St. Louis, Mo, Jan. 23, 06; m. 30, 61. ECONOMIC STATISTICS. B.S. Columbia, 34, B.S.L.S. 36; American Univ, 36-38. Chief reference & rev. sect, bur. res. & statist, Soc. Security Bd, 36-41; admin. analyst, div. admin. mgt, U.S. BUR. BUDGET, 41-42, ANAL. STATISTICIAN, OFF. STATIST. STANDARDS, 43, 46- U.S.N.R. 44-45. AAAS; Statist. Asn; Library Asn. International organization. Address: 4565 Indian Rock Terr, Washington, D.C. 20007.

VENT, DR. HERBERT J (AMES), b. Soda Springs, Idaho, Feb. 27, 17; m. 41; c. 4. GEOGRAPHY. B.S. Oregon, 41, M.S. 42; Ed.D. (geog. ed), Stanford, 49. Instr. ed, Ore. Col. Ed, 45-46; GEOG, American Univ, 46-47; asst. prof, Chico State Col, 48-50; prof, Miss. State Col. for Women, 51-54; ED. SPECIALIST geog, Air Univ, 54-60; SCL & SOC. STUDIES, IDAHO, 60- Dir. Nat. Defense Ed. Act. res. grant geog. inst, Idaho, 65. U.S.M.C. 43-45. Political and educational geography; Eastern Europe; instructional sets of color

slides covering Oregon and Idaho; pear industry in southwest Oregon. Publ: Military aspects of world political geography; National power factors; co-auth, Population explosion and some of its implications, Soc. Studies, 4/66. Address: 723 1/2 S. Blaine St, Moscow, Idaho 83843.

VERBA, PROF. SIDNEY, b. New York, N.Y., May 26, 32; m. 54; c. 2. POLITICAL SCIENCE & SOCIOLOGY. A.B. Harvard, 53; M.P.A. Princeton, 55, fel. & Ph.D. (polit), 59. Asst. prof. polit, Princeton, 60-62, assoc. prof, 62-64, res. assoc. POLIT. SCI, center int. studies, 59-64; PROF, Stanford, 64-68; CHICAGO, 69- Fel, Center Adv. Study Behav. Sci, 63-64. Polit. Sci. Asn. Cross national study of political attitudes. Publ: International system; theoretical essays; co-auth, Civic culture, 63 & Political culture and political development, 63, Princeton. Address: Dept. of Political Science, University of Chicago, Chicago, Ill. 60637.

VERDEN, DR. PAUL, b. Milwaukee, Wis, Dec. 5, 34; wid; c. 2. SOCIOLOGY. A.B. Harvard, 58; M.A. Stanford, 61, Ph.D. (sociol), 66. Res. resident psychol, Milwaukee County Hosp. Ment. Diseases, 58-59; res. assoc. soc. res. int. study human probs, Stanford, 62-65; asst. prof. soc. sci. res. col. med, Illinois, 65-66; ASST. PROF. SOCIOLOGICAL & DIR. COMMUNITY STUDIES CENTER, SANTA CLARA, 66- Social deviance; community studies; social change. Publ: Co-auth, Cultural orthodoxy among a group of American psychotherapists, Rand McNally, 67; auth, Alcohol in contemporary American culture, Oxford Univ, 68; co-auth, Multidimensional explication of a postulated conceptual domain, Am. Psychologist, 7/64. Address: Community Studies Center, University of Santa Clara, Santa Clara, Calif. 95053.

VERDONE, DR. PAUL P, b. Baltimore, Md, Mar. 17, 36; m. 61. PSYCHOLOGY. A.B. Gettysburg Col, 57; Ph.D. (psychol), Chicago, 63. Intern clin. psychol, sch. med, Chicago, 61-62; res. psychologist, adult psychiat. br, Nat. Inst. Ment. Health, 63-65; STAFF PSYCHOLOGIST, CALIFORNIA, BERKELEY, 65- LECTR. PSYCHOL, 66- U.S.P.H.S. 63-65, Lt. AAAS; Psychol. Asn; Asn. Psychophysiol. Study Sleep; Ed. Res. Asn. Personality and social processes; psychophysiology of sleep and dreams; higher education. Address: 2814 Hillegass Ave, Berkeley, Calif. 94705.

VERHAGE, PROF. WILLIAM, b. Netherlands, July 3, 00. POLITICAL ECONOMICS. A.B. Lawrence Col, 28; A.M. Oberlin Col, 29; Ph.D. Minnesota, 40; A.M. Columbia, 46. Assoc. prof. econ, Mankato State Col, 34-42; prof. govt, Macalester Col, 42-46; dean, Winona State Col, 46-47; prof. POLIT. ECON, BOSTON, 47-67, EMER. PROF, 67- Fulbright scholar, Int. Christian Univ, Tokyo, 55-56. Mem. Am. Inst. Pac. Rels. Polit. Sci. Asn. International public loans to China. Address: 75R Calle Aragon, Laguna Hills, Calif. 92653.

VERHAVE, DR. THOM, b. Amsterdam, Netherlands, Aug. 3, 29; m. 58; c. 3. PSYCHOLOGY. B.A. Columbia, 52, Ph.D. (psychol), 56. Sr. psychopharmacologist, Eli Lilly & Co, 55-61; res. assoc. & v.pres, Behav. Sci. Res. Fund, Inc, 61-62; head primate physiol. lab. & res. scientist, div. environ. biol, Ames. Res. Center, NASA, 62-63; assoc. prof. PSYCHOL, Arizona State, 63-66, PROF. 66-68; QUEENS COL. (N.Y.), 68- Consult, HumRR00-U.S. Army Armor Human Res. Unit, Ft. Knox, Ky, 61; Stanford Res. Inst, 62; Ames Res. Center, NASA, 62, biosatellite proj, 63-64; eye res. inst. med. sci, Presby. Med. Center, San Francisco, Calif. 62-63. Fel. AAAS; fel. Psychol. Asn; Psychonomic Soc; Soc. Exp. Anal. Behav; Soc. Gen. Syst. Res. Publ: Ed, The experimental analysis of behavior: selected readings, Appleton, 66; auth, The organism as a machine, Impulse: J. Tasmanian Univ. Psychol. Soc, 2: 5-11; The pigeon as a quality-control inspector, Am. Psychologist, 21: 109-115. Address: Dept. of Psychology, Queens College, Flushing, N.Y. 11367.

VERKLER, PROF. BILLY D, b. Black Rock, Ark, Sept. 6, 29; m. 58; c. 2. SOCIOLOGY. B.S. Arkansas State, 51; M.S. Mich. State, 55. Asst. prof. SOCIOL, HARDING COL, 55-66, ASSOC. PROF, 66- U.S.A. 51-53, Capt. Sociol. Soc. Religious orientation and racial attitudes; family relations and personality. Address: Box 365, Station A, Harding College, Searcy, Ark. 72143.

VERKLER, ROBERT C (HARLES), Opers. Res, see 11th ed, Phys. & Biol. Vols.

VERMEER, DR. DONALD E, Phys. Geog, see 11th ed, Phys. & Biol. Vols.

VERMILLION, DR. MARY E (LLA), b. Salina, Kans, Jan. 7, 26. PSYCHOLOGY. B.A. Kansas, 47, M.A. 48; Ph.D. Ill. Inst. Tech, 59. Proj. dir. psychomet, Sci. Res. Assocs, 50-54; psychologist, Jewish Voc. Serv, 54-59; from instr. PSYCHOL. & ED. to ASSOC. PROF, ILL. INST. TECH, 59- Psychol. Asn. Psychological tests and measurement; personality theory. Address: Dept. of Psychology, Illinois Institute of Technology, Chicago, Ill. 60616.

VERMILLION, DR. WILLIAM H (ERMAN), JR, b. Oak Park, Ill, Feb. 6, 37; m. 60; c. 2. PSYCHOLOGY. B.A. Northwestern, 59; M.S. Purdue, 61, Ph.D. (group prob. solving), 64. Asst. prof. PSYCHOL, DAVID LIPSCOMB COL, 63-66, ASSOC. PROF, 66-, CHMN. DEPT, 64- Psychol. Asn. Psychology of religious behavior; psychology of human differences; psychological measurement. Publ: Co-auth, Anti-democratic attitudes in American schools, Northwestern, 63. Address: Dept. of Psychology, David Lipscomb College, Nashville, Tenn. 37203.

VERMLYIE, DR. DYCKMAN W (ARE), b. Staten Island, N.Y., July 8, 22; m. 44; c. 4. COUNSELING, EDUCATIONAL PSYCHOLOGY. B.A. Col. William & Mary, 43; M.A. Minnesota, 48; Ed.D. Columbia, 57. Resident adv, Florida, 50-51, interim dir. housing, 51-55, assoc. dir. housing, 55-57; assoc. prof. psychol. & dean men, Rollins Col, 57-64; assoc. provost for student affairs, Washington (St. Louis), 64-66; ASST. EXEC. DIR. AM. PERSONNEL & GUID. ASN, 66- Consult, nursing ed. div, teachers col, Columbia, 49-50. U.S.A.A.F, 43-46, Capt. Student personnel administration; dynamics of

group behavior, especially assessment of values held by student groups. Publ: Attitudes with regard to minority groups of university men students from the upper socioeconomic level, J. Ed. Sociol; College personnel work in the South; ed, Man in perspective, Am. Personnel & Guid. Assn, 67. Address: American Personnel & Guidance Association, 1607 New Hampshire Ave. N.W., Washington, D.C. 20009.

VERNALLIS, DR. FRANCIS F (LORENZ), b. Bentleyville, Pa, Dec. 12, 17; m. 56; c. 3. PSYCHOLOGY. B.S. Pittsburgh, 46, M.S. 49; Ph.D. Pa. State, 53. Clin. psychologist, Vet. Admin. Hosp., Chillicothe, Ohio, 55-57; Topeka, Kans, 57-58, res. psychologist, 58-61, clin. psychologist, 61-63; private practice, 63-64; clin. psychologist, Camarillo State Hosp., Calif., 64; Los Angeles County, 65-66; RES. PSYCHOLOGIST, OLIVE VIEW HOSP., 66- U.S.A.A.F., 42-46. Psychol. Asn. Psychotherapy and other forms of treatment with hospitalized patients; attitudes toward mental illness. Publ: An evaluation of a goal directed group psychotherapy with hospitalized patients; The group therapist in the treatment of chronic schizophrenics, Group Psychotherapy, 12/65; Group treatment methods in a weekend hospital, In: Psychotherapy: Theory, Research and Practice, 5/66. Address: Weekend Unit, Cottage 5, Olive View Hospital, 14701 Foothill Blvd, Olive View, Calif. 91330.

VERNER, PROF. COOLIE, b. Portsmouth, Ohio, Apr. 25, 17; div. SOCIOLOGY, ADULT EDUCATION. A.B. Col. William & Mary, 37, A.M. 50; M.A. Columbia, 51, Ed.D. (sociol. & adult ed), 52; Fulbright fel, London, 52-53. Assoc. community serv. exten. div. Virginia, 47-50; res. asst. inst. adult ed, Columbia, 50-52; PROF. ADULT ED. sch. ed, Fla. State, 53-61; COL. ED. BRITISH COLUMBIA, 61- Consult. State Dept. Ed, Fla, 53-61. Can. Coun. fel, 68-69. Imago Mundi award, 59. U.S.A. 42-47, Maj. Sociol. Asn; Soc. Appl. Anthropol. Rural Sociol. Soc; Adult Ed. Asn. Community development; rural sociology. Publ: Mr. Jefferson distributes his notes; co-auth, Community structure and change; auth, Adult education, 64. Address: Faculty of Education, University of British Columbia, Vancouver 8, B.C., Can.

VERNEY, PROF. DOUGLAS VERNON, b. Liverpool, Eng, Jan. 21, 24; m. 50; c. 2. POLITICAL SCIENCE. B.A. Oxford, 47, M.A. 49; Ph.D. (polit. sci), Liverpool, 53. Lektor. Eng. Svenska Handelshogskolan, Helsinki, 48-49; asst. lectr. POLIT. SCI, Liverpool, 49-51, lectr, 51-61; assoc. prof, YORK (ONT), 61-62, PROF, 62-, chmn. dept, 62-67, Harkness fel, Columbia & California, Berkeley, 53-54; vis. assoc. prof, Florida, 58-59; vis. guest prof, Columbia, 67; sr. fel, Can. Coun, 67-68. Dir, Can. Inst. Pub. Affairs, 63- Mem. Nat. Res. Cmt, Can. Inst. Int. Affairs, 64- Brit. Army, 43-46, Capt. Am. Polit. Sci. Asn; Can. Polit. Sci. Asn; Polit. Studies Asn. U.K. Comparative politics, especially Sweden, United Kingdom and the American South; political patterns and modernization in Virginia, Quebec, Ontario and Florida. Publ: Parliamentary reform in Sweden 1866 to 1921, Clarendon Press, Oxford, 57; The analysis of political systems, Free Press, 60; British government and politics, Harper, 66. Address: Dept. of Political Science, York University Faculty of Arts & Science, Toronto 12, Ont, Can.

VERNAUD, DR. WILLIE MAUDE, b. Beaumont, Tex, Aug. 25, 01; m. 30. PSYCHOLOGY. A.B. George Washington, 27; fel, Minnesota, 43, M.A. 45; Ed.D. (ed. psychol), Houston, 49. From instr. to asst. prof, med. br, Texas, 47-52, clin. assoc. prof. pediat. dept. child psychol, 52-66; RETIRED. Chief psychologist, Child Develop. Center, Galveston, Tex, 52-53; dir. psychol. serv, Southwest. Poliomylitis Respiratory Center, Jefferson Davis Hosp, Houston, 53-56. Consult, psychologist, Moody State Sch. for Cerebral Palsied Children, 51-66, Cerebral Palsied Treatment Center, Houston, Tex, 53-; Brazosport Independent Sch. Dist, 55-57; consult, col. med, Baylor, 60- Mem, Coun. Except. Children. AAAS; Psychol. Asn. Child development; cerebral palsy; psychometric patterns. Publ: Co-auth, Psychiatry in education; Occupational differences in the MMPI, J. Appl. Psychol; In the beginning, Tex. Topics. Address: 2125 Quenby Rd, Houston, Tex. 77005.

VERNIER, DR. VERNON G (EORGE), Pharmacol, see 11th ed, Phys. & Biol. Vols.

VERNON, PROF. GLENN M (ORLEY), b. Vernal, Utah, Apr. 6, 20; m. 42; c. 3. SOCIOLOGY. B.S. Brigham Young, 47, M.S. 50; Ph.D. (sociol), Washington State, 53. Asst. prof. sociol, Auburn, 53-54; Central Michigan, 54-58, assoc. prof, 58-59; Brigham Young, 59-63; PROF. SOCIOL. & ANTHROP. & HEAD DEPT, MAINE, 63- Summer, vis. prof, Utah, 66, participant, Int. Cong. Sociol, France, 66. Consult ed, Indian Social Bull, 67. Sociol. Asn; Soc. Sci. Study Relig; Nat. Coun. Family Relis; Acad. Relig. & Ment. Health. Social psychology; sociology of religion; marriage and family. Publ: Sociology of religion; co-auth, Introductory sociology; auth, Human interaction, Ronald, 65. Address: Dept. of Sociology & Anthropology, University of Maine, Orono, Maine 04473.

VERNON, PROF. JACK ALLEN, Exp. Psychol, see 11th ed, Phys. & Biol. Vols.

VERNON, DR. LEROY N (INDE), b. Savannah, Ill, Jan. 17, 03; m. 29; c. 1. PSYCHOLOGY. B.S. Northwestern, 23, M.S. 28; Ph.D. Iowa, 32. Instr. psychol, Duluth State Col, 32-34; dir. voc. counseling center, Nat. Youth Admin, 35-37; STAFF DIR, VERNON PSYCHOL. LAB, 37- Vis. prof, Northwestern, 45-50. Fel. Psychol. Asn; Voc. Guid. Asn. Publ: Selection of personnel for investment banking industry; Selection of engineering executives, Inst. Radio Engrs, Proc. Address: 37th Floor, 221 N. LaSalle, Chicago, Ill. 60601.

VERNON, PROF. MANFRED C (LAUDE), b. Duesseldorf, Germany, May 23, 07; nat; m. 46; c. 4. POLITICAL SCIENCE. LL.B. Cologne, 29; J.D. Berlin & Cologne, 33; Ph.D. (polit. sci), Stanford, 48. Instr. polit. sci, Michigan, 47-51; br. chief, U.S. Dept. State, 51-53; assoc. prof. POLIT. SCI, Alabama, 53-58, prof, 58-64; PROF. & CHMN. DEPT, WEST. WASH. STATE COL, 64- Grants, Rackham Grad. Sch, 48, 50; Alabama, 56, 61; Fulbright lectr, Ankara, Turkey, 60-61. Host, Outlook, KVO5, Bellingham TV Sta. & Interviewing Prog, 66-; chmn, Whatcom County Democratic Cent. Cmt, 67- U.S.A., 41-45. Polit. Sci. Asn. International relations; American foreign policy; foreign governments. Publ: Devlet Sistemleri; contrb, Control of foreign relations in modern nations; co-auth, Wuest-Vernon, new sourcebook in major European governments, World, 67. Address: Dept. of Political Science, Western Washington State College, Bellingham, Wash. 98225.

VERNON, PROF. RAYMOND, b. New York, N.Y., Sept. 1, 13. INTERNATIONAL ECONOMICS. A.B. City Col. New York, 33; Ph.D. Columbia, 41; hon. M.A., Harvard, 59. Asst. dir. trading & exchange div, U.S. Securities & Exchange Cmn, 42-46; asst. chief int. resources div, U.S. Dept. State, 46-49, adv. commercial policy staff, 49-51, dep. & acting dir. off. econ. defense & trade policy, 51-54; mem. staff, President's Cmn. For. Econ. Policy, 54; planning & control dir, Hawley & Hoops, Inc, 54-56; dir, Metrop. Region Study, N.Y., 56-59; PROF. INT. TRADE & INVEST, HARVARD, 59-, dir. develop. adv. serv, 62-65, acting dir. center int. affairs, 66-68. Lectr, American Univ, 46-48; Princeton, 55-56; Swarthmore, 56-57; Stafford Little lectr, Princeton, 61; dir. Ford Found. study multinational enterprises & nation states. Dir, Equity Growth Fund, 66-; partner, Cambridge/Res. Inst, 67- Consult, submt. patents, Senate Judiciary Cmt, 56-; U.S. Dept. State, 61-; mem. cmt. studies, Coun. For. Relis, 65-; res. adv. bd, Cmt. Econ. Develop, 66-; cmt. econ. advs, U.S. Coun, Int. Chamber Commerce; consult, Orgn. Econ. Coop. & Develop, 67- V. chmn, U.S. del, Gen. Agreement Tariffs & Trade, Geneva, 52. Meritorious serv. award, U.S. Dept. State, 52. Econ. Asn; Am. Acad. Arts & Sci. Postwar trends in international business organization; regulation of stock exchange members; organizing for world trade; anatomy of a metropolis; relations between the public and the private sectors of Mexico. Publ: Dilemma of Mexico's development, 63 & Myth and reality of our urban problems, 65, Harvard; Manager in the international economy, Prentice-Hall, 68. Address: 1 Dunstable Rd, Cambridge, Mass. 02138.

VERNON, PROF. W (ILLIAM) H (ENRY) DALTON, b. Kingston, Jamaica, B.W.I., May 7, 08; m. 44; c. 2. PSYCHOLOGY. B.A. Queen's (Can), 36, M.A. 38; fel, Harvard, 41-42, A.M. 42; Ph.D. Cornell, 57. Instr. philos. & psychol, Brandon Col, Manitoba, 37-40; psychol, Suffolk, 42-43; psychol. & sociol, Western Ontario, 44; chmn. dept. psychol, Acadia, 46-52; res. assoc, Cornell, 52-55; assoc. prof. family life, Vermont, 57-60; prof. psychol, chmn. dept. behav. sci. & dir. testing, Doane Col, 60-66; CHMN. DEPT. PSYCHOL, ACADIA, 66- Clin. psychologist, Digby Psychiat. Clin, 52, sr. psychologist & clin. admin, 53-55. Fel, Nat. Coun. Relig. Higher Ed; mem, Gov. White House Conf. Children & Youth, Vt, 60. R.C.N., 44-46, Lt. Psychol. Asn; Can. Psychol. Asn. Personality theory and measurement; counseling; human relations; testing. Publ: Hitler the man: notes for a case history, J. Abnorm. & Soc. Psychol; Psychology in Cuba: an historical survey, Psychol. Bull; Diagnostic testing and some problems of communication between psychiatrists and clinical psychologists, Maritime Psychol. Asn. Bull. Address: Dept. of Psychology, Acadia University, Wolfville, N.S., Can.

VEROFF, DR. JOANNE B, Psychol, see 10th ed, Soc. & Behav. Vols.

VEROFF, PROF. JOSEPH, b. Hartford, Conn, Nov. 23, 29; m. 54; c. 1. PSYCHOLOGY. A.B. Wesleyan, 50; A.M. Michigan, 52, Soc. Sci. Res. Coun. fel, 54-55, Ph.D. (psychol), 55. Instr. PSYCHOL, Princeton, 55-56; from asst. prof. to PROF, MICHIGAN, 56-, SR. STUDY DIR. SURV. RES. CENTER, 60-, study dir, 56-60. Personality; motivation; learning. Publ: Co-auth, Americans view their mental health; auth, Use of thermatic apperception to assess motivation in a national survey, Psychol. Monogr; co-auth, Achievement motive in high school and college age women, J. Abnorm. & Soc. Psychol. Address: Dept. of Psychology, University of Michigan, Ann Arbor, Mich. 48104.

VERPLANCK, PROF. W (ILLIAM) S (AMUEL), Exp. Psychol, see 11th ed, Phys. & Biol. Vols.

VERRILLO, DR. RONALD THOMAS, b. Hartford, Conn, July 31, 27; m. 50; c. 3. PSYCHOLOGY. B.A. Syracuse, 52; Am. Found. Blind res. stipend, 56; Ph.D. Rochester, 58. Asst. prof. spec. ed, SYRACUSE, 57-62, res. fel. lab. sensory commun, 63-67, ASSOC. PROF. SENSORY COMMUN, 67-, res. assoc. bioacoustics lab, 59-63. U.S.N., 45-46. AAAS; Psychol. Asn; Psychonomic Soc; Acoustical Soc. Cutaneous sensory systems; sensory processes and perception. Publ: Temporal summation in vibrotactile sensitivity, J. Acoustical Soc. Am, 5/65; Vibrotactile sensitivity and the frequency response of the Pacinian corpuscle, Psychonomic Sci, 66; Specificity of a cutaneous receptor, Perception and Psychophys, 68. Address: Laboratory of Sensory Communication, Syracuse University, 821 University Ave, Syracuse, N.Y. 13210.

VERRY DR. DANA H, b. Toledo, Iowa, Dec. 30, 11; m. 52. STATISTICS. B.S. Oregon State, 37; M.S. Idaho, 47; Ph.D. (bus. ed), Pittsburgh, 62. Head dept. bus. ed, South. Idaho Col. Ed, 45-51; asst. prof, Wilkes Col, 52-57; asst. prof. statist, Rider Col, 58-66; ASSOC. PROF. BUS. ED, GA. STATE COL, 66- Qual. control consult, Philco Corp, 59-61; programmer, Deharal Steam Turbine, 63. U.S.A., 42-46. Statist. Asn; Math. Asn. Am. Data processing. Address: Georgia State College, 4730 Westfield Dr. N.E., Atlanta, Ga. 30305.

VERSACE, DR. JOHN, Exp. Psychol, see 11th ed, Phys. & Biol. Vols.

Ver STEEG, PROF. CLARENCE L (ESTER), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

VERWOERDT, DR. ADRIAAN, b. Voorburg, Netherlands, July 5, 27; m. 65; c. 2. PSYCHIATRY. M.D. Amsterdam, 52; Duke Psychoanal. Inst, 62-68. Intern. med. & surg, Touro Infirmary, New Orleans, La, 53-54; res. PSYCHIAT. MED. CENTER, DUKE, 54-55 & 58-60, chief res. psychiatrist, inpatient serv, 59-60, instr. & res. fel, 60-62, asst. prof, 63-67, ASSOC. PROF, 67-, DIR. GEROPSYCHIAT. TRAINING PROG, 66- Nat. Inst. Ment. Health career teacher training award, 64-66. Consult, John Umstead Hosp, Butler, N.C., 65-67, dir. psychiat. res. training, 68-; consult, N.C. Dept. Pub. Welfare, 66-; Dorothea Dix Hosp, Raleigh, 67- Dipl. psychiat, Am. Bd. Psychiat. & Neurol, 62. Med.C. U.S.A., 55-57, Capt. Am. Med. Asn; Psychiat. Asn; Geront. Soc. Physical illness and depressive symptomatology; psychological reactions in fatal illness; depression and sexual behavior in the aged. Publ: Communication with the fatally ill, C.C. Thomas, 68; Psychological reactions in fatal illness: the prospect of impending death, J. Am. Geriatr. Soc, 1/67; Geropsychiatry: the psychiatry of senescence, Geriatrics, 7/67. Address: Box 3812, Duke University Medical Center, Durham, N.C. 27706.

VERZEANO, DR. MARCEL, Med, see 11th ed, Phys. & Biol. Vols.

VESTRE, DR. NORRIS D(ONALD), b. Minneapolis, Minn, Dec. 17, 27; m. 51; c. 1. PSYCHOLOGY. B.A. Minnesota, 55, Ph.D.(psychol), 59. Dir. psychiat. res, Vet. Admin. Hosp. St. Cloud, Minn, 59-62; RES. ASSOC. CLIN. PSYCHOL, MINNESOTA, MINNEAPOLIS, 62- Consult, Vet. Admin, 63- AAAS; Psychol. Asn. Classification in mental illness; verbal conditioning; clinical prediction; life history factors and mental illness; structured personality tests; schizophrenia. Publ: Phenothiazine drugs and verbal conditioning, J. Psychol, 66; co-auth, Relationships between social history factors and psychiatric symptoms, J. Abnorm. Psychol, 67; The psychotic inpatient profile, West. Psychol. Serv, 68. Address: Box 392, Mayo Hospital, University of Minnesota, Minneapolis, Minn. 55455.

VETTER, PROF. GEO(RGE) B(ENJAMIN), b. Breidablik, Wash, Oct. 15, 94; m. 26; c. 2. PSYCHOLOGY. B.S. Washington (Seattle), 17, M.S. 25; Ph.D. (psychol), Syracuse, 29. From instr. to prof. PSYCHOL, WASH. SQ. COL, N.Y. UNIV, 26-62, EMER. PROF, 62- Fel. Psychol. Asn. General psychology; social attitudes and movements; psychology of religion. Publ: Magic and religion. Address: 135-23 78th Dr, Flushing, N.Y. 11367.

VETTER, DR. HAROLD J, b. Buffalo, N.Y., Mar. 31, 26; m. 64. PSYCHOLOGY. B.A. Buffalo, 49, Ph.D.(clin. psychol), 55. Asst. prof. PSYCHOL, European Div. Univ. Maryland Overseas Prog, 55-58, lectr, Far East Div, 58-63; int. div, Sophia Univ, Japan, 63-64; asst. prof, MARYLAND, 64-68, ASSOC. PROF, 68- Consult, neuropsychiat. serv, Vet. Admin, 65-; Md. Dept. Ment. Hyg, 65-67. Psychol. Asn; Linguistic Soc. Am. Psycho-linguistics; experimental psychopathology. Publ: Language behavior and psychopathology, Rand McNally, 68; Language behavior in schizophrenia, C.C. Thomas, 68; Delusional and hallucinatory behavior, Peacock, 68. Address: 1010 Elm Ave, Takoma Park, Md. 20012.

VICHULES, PROF. LEO D, Polit. Sociol, see 10th ed, Soc. & Behav. Vols.

VICK, DR. ODIN C(LAIR), b. Great Falls, Mont, Sept. 9, 30. PSYCHOLOGY. B.A. Montana, 58, M.A. 60; Nat. Inst. Ment. Health fel. & Ph.D.(psychol), Pa. State, 62. ASST. PROF. PSYCHOL, Eastern Michigan, 63-65; MONTANA, 65- U.S. Pub. Health Serv. fel, Ed. Testing Serv, N.J., 62-63. U.S.A.F. 51-55. AAAS; Psychol. Asn. Personality factors in cognition; development of styles of thinking and perceiving. Publ: Co-auth, Cognitive styles in the schematizing process: a critical evaluation, Ed. & Psychol. Measurement, 67 & Leveling-sharpening as a cognitive style: appraisal of alternate methods of measurement, J. Psychol. Studies, 67. Address: Dept. of Psychology, University of Montana, Missoula, Mont. 59801.

VICKERY, PROF. KATHERINE, b. Dahlonega, Ga, Mar. 5, 98. PSYCHOLOGY. A.B. N.Ga. Agr. Col, 18; M.A. George Peabody Col, 19, Ph.D.(psychol), 29; Colorado, 24; hon. D.Sc. Ala. Col, 47. Asst. prof, PSYCHOL, ALA. COL, 22-28, assoc. prof, 28-36, PROF, 36-; HEAD DEPT, 48- AAAS; Psychol. Asn; Int. Coun. Psychol. General psychology and learning; effects of change of work on the work decrement; factors influencing the unreliability of testimony; the behavior of right and wrong responses during work and rest intervals. Address: Dept. of Psychology, Alabama College, Montevallo, Ala. 35115.

VICKREY, PROF. WILLIAM, b. Victoria, B.C, June 21, 14; m. 51. ECONOMICS. B.S. Yale, 35; A.M. Columbia, 37, Field & Soc. Sci. Res. Coun. fels, 38-39, Ph.D., 47. Jr. econ. analyst, Nat. Resources Cmt, 37-38; asst. study govt. & power industry, Twentieth Century Fund, 39-40; economist, Off. Price Admin, 40-41; sr. economist, div. tax res, U.S. Treas. Dept, 41-43; lectr, ECON, COLUMBIA, 46-48, asst. prof, 48-50, assoc. prof, 50-58, PROF, 58-, secy, coun. for res. in soc. sci, 46-53. Guggenheim fel, 55-56; fel, Center Adv. Study Behav. Sci, 67-68. Statist. analyst, Cmt. Econ. Develop, 44-45. Tax expert to Governor of P.R., 46. Mem. Shoup Tax Mission to Japan, 49, 50. Am. Econ. Asn; Am. Statist. Asn; fel. Economet. Soc; Nat. Planning Asn; Royal Econ. Soc. Economic theory; welfare economics of price structures; urban transport. Publ: Metastatics and macroeconomics, Harcourt, 66; Utility, strategy, and social decision rules, Quart. J. Econ, 11/60; Optimization of traffic and facilities, J. Transportation Econ. & Policy, 5/67. Address: Dept. of Economics, Columbia University, New York, N.Y. 10027.

VICROY, PROF. FRANK M(ARION), b. Cleveland, Ohio, Mar. 22, 11. SOCIOLOGY. B.S. Case, 32; A.M. Ohio State, 37, Ph.D., 51. Admin. asst, Portland Coun. Soc. Agencies, Ore, 37-39; exec. secy, Wis. Conf. Soc. Work, 39-41; Rock Island Coun. Soc. Agencies, 41-42; assoc. elec. engr, Pearl Harbor Navy Yard, 42-44; San Francisco Naval Yard, 44-46; from asst. prof. to PROF. SOCIOL, LOUISVILLE, 47-, CHMN. DEPT, 64- Vis. scholar, Chicago, 61; Fulbright prof, Tehran Sch. Social Work, 62-63. Sociol. Asn; Pop. Asn. Address: Dept. of Sociology, University of Louisville, Louisville, Ky. 40208.

VICTORIUS, PROF. J. CURT, b. Graudenz, Germany, Sept. 1, 95; nat; m. 22; c. 2. ECONOMICS. Berlin, 19; Berne, 20-21; Dr. Polit. Econ, Hamburg, 25. Assoc. res. div, Commerz & Privat-Bank, Berlin, 26; assoc. ed, J. Mod. Procedures in Bus. Admin, 27-28; econ. adv. & chief res. div, German Bankers' Asn, 29-37; asst. prof. ECON, GUILFORD COL, 40-44, assoc. prof, 44-57, chmn. dept, 44-64, prof, 57-64, EMER. PROF, 64- Tech. expert, Banking Enquete, Reichsbank. Econ. Asn; Finance Asn. Business control; money and banking; international finance; public policy toward commercial banks since 1956; constitutional, legislative and administrative aspects. Address: 1209 Nathan Hunt Rd, Greensboro, N.C. 27410.

VIDEBECK, PROF. RICHARD, Soc. Psychol, Sociol, see 10th ed, Soc. & Behav. Vols.

VIDICH, PROF. ARTHUR J(OSEPH), b. Crosby, Minn, May 30, 22; m. 46; c. 4. SOCIAL ANTHROPOLOGY. B.A. Michigan, 44; M.A. Wisconsin, 48; Thayer fel, Harvard, 48-49, Ph.D., 53; Fulbright fel, London, 50-51. Asst. prof. sociol. & field dir, studies soc. growth, Cornell, 51-54; assoc. prof. sociol. & anthrop, Puerto Rico, 54-57; asst. prof, Connecticut, 57-60; assoc. prof. SOCIOL. & ANTHROP, GRAD. FACULTY, NEW SCH. SOC. RES, 60-64, PROF, 64-, CHMN.

DEPT, 65- Vis. res. assoc, Heller Sch. Adv. Studies Soc. Welfare, Brandeis, 60-66; vis. prof, Nat. Univ. Colombia, 64-65. Adv. ed, Appleton-Century-Crofts, N.Y., 66. U.S.M.C., 43-46, 1st Lt. Fel. Anthropol. Asn; fel. Sociol. Asn; Asn. Latin Am. Studies. American social theory; political anthropology; the community; institutional analysis of American society, class, politics and bureaucracy. Publ: Small town in mass society; co-auth, Reflection, Macmillan, in press. Address: Dept. of Sociology & Anthropology, New School for Social Research, 66 W. 12th St, New York, N.Y. 10011.

VIDICH, DR. VIRGINIA WICKS, b. Rhinelander, Wis, Aug. 1, 22; m. 46; c. 4. SOCIOLOGY, DEMOGRAPHY. B.A. Wisconsin, 43, M.A. 57; Ph.D.(sociol), Connecticut, 67. Lectr. anthrop, Connecticut, 59-62; ASST. PROF. SOCIOL, CONN. COL, 62- Mem, Gov. Clean Air Task Force. Sociol. Asn. Morbidity and mortality in underdeveloped countries, specifically Puerto Rico and Colombia, South America; alienation and group identity among low-income groups in New London, Connecticut. Address: Dept. of Sociology, Box 1603, Connecticut College, New London, Conn. 06320.

VIDMAR, DR. NEIL J(OSEPH), b. Litchfield, Ill, Nov. 25, 40; m. 62; c. 1. PSYCHOLOGY. A.B. MacMurray Col, 62; U.S. Pub. Health Serv. fel, Illinois, 62-63, A.M., 65, Ph.D.(soc. psychol), 67. Res. asst. PSYCHOL, Illinois, 63-66; res. assoc, 66-67; ASST. PROF, WESTERN ONTARIO, 67- Res. assoc, Vet. Admin. Hosp, Danville, Ill, summer 67. Psychol. Asn. Group dynamics, especially negotiation and decision-making; general experimental social psychology; organizational psychology. Address: Dept. of Psychology, Middlesex College, University of Western Ontario, London, Ont, Can.

VIDLICH, PROF. ROBERT N, b. Ilion, N.Y., Nov. 2, 29; m. 52; c. 3. PSYCHOLOGY. B.A. Hartwick Col, 54; M.A. Mich. State, 56, Ph.D., 58. Asst. PSYCHOL, Mich. State, 57-58; instr, La. State, 58-59, asst. prof, 59-62, assoc. prof, 62-66; PROF, MEMPHIS STATE, 66- Regional prof. coordinator, Am. Inst. Res, 60-61. Consult, U.S. Vet. Admin, 62. U.S.A.F., 47-50, Sgt. Psychol. Asn. Language behavior; conformity; prejudice. Address: Dept. of Psychology, Memphis State University, Memphis, Tenn. 38111.

VIEG, PROF. JOHN A(LBERT), b. Ft. Dodge, Iowa, Nov. 26, 04. POLITICAL SCIENCE. A.B. St. Olaf Col, 26; A.M. Iowa, 29; Ph.D. Chicago, 37. Asst. prof. govt, Iowa State Col, 37-39, assoc. prof, 39-42, exp. sta, 39-42; econ. analyst, Lend-Lease Admin, 42-43; admin. analyst, U.S. Bur. Budget, 43-45; PROF. GOVT, POMONA COL. & CLAREMONT GRAD. SCH, 45- Polit. Sci. Asn; Soc. Pub. Admin. Political parties; public administration; metropolitan government. Publ: Co-auth, Our needy aged; The government and politics of California; California local finance. Address: Dept. of Government, Pomona College, Claremont, Calif. 91711.

VIERCK, DR. CHARLES JOHN, JR, Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.

VIETH, PROF. ARTHUR G(EOERGE), b. St. Louis, Mo, Sept. 2, 15; m. 38; c. 2. FINANCE. B.A. Southern Methodist, 40; M.A. Washington (St. Louis), 43, Ph.D., 50. Economist, Fed. Reserve Bank, Mo, 43-44; assoc. prof. econ, Mo. Valley Col, 44-46; asst. prof. bus, Washington (St. Louis), 46-50; assoc. prof. ECON. & BUS, Chattanooga, 50-55; prof, Univ. Kansas City, 55-56; PROF. & CHMN. DEPT, CHATTANOOGA, 56- Consult, Dixie Mercantile Co, Tenn, 53; consult. economist, Hamilton Nat. Bank, 61- Finance Asn. Banking; management; economics. Publ: Inflationary pressures, Commercial & Financial Chronicle. Address: Dept. of Economics & Business Administration, University of Chattanooga, Chattanooga, Tenn. 37403.

VIEGORISZ, PROF. THOMAS, b. Budapest, Hungary, Feb. 4, 26; m. 61; c. 6. ECONOMICS, CHEMICAL ENGINEERING. Absoluturium, Tech. Univ. Budapest, 46; Swiss Fed. Inst. Tech, 47; S.M. Mass. Inst. Tech, 48, Ph.D.(econ), 56. Chem. engr, Ultrasonic Corp, Mass, 48-50; instr. chem. eng, Franklin Inst, Boston, 50-54; econ, Mass. Inst. Tech, 55-56; consult. indust. econ, Econ. Develop. Admin, San Juan, P.R. & Ente Nazionale Idrocarburi, Rome, Italy, 56-57; expert econ. develop, UN, 57-61; res. staff mem. ECON, Int. Bus. Mach. Corp, N.Y., 62-65; PROF, NEW SCH. SOC. RES, 65-, DIR. CENTER ECON. PLANNING, 66- From assoc. to acting dir, UN Econ. Develop. Prog, Santiago, Chile & lectr, Mexico, Venezuela, Argentina, Brazil & Chile, 57-61, indust. develop. specialist, UN Adv. Group Cuba, 59 & regional expert indust. develop, Venezuela, Columbia & Bolivia, consult, UN Centre Indust. Develop. & UN Indust. Develop. Orgn, 64-, dir, UN Indust. Develop. Orgn. proj, metalworking indust. as potential export indust, 66-67; dir. indust. develop. component, demonstration econ. develop. prog. Harlem, U.S. Off. Econ. Opportunity, 67-68. Pres, EPI Develop. Corp, 68- Econ. Asn; Economet. Soc; Regional Sci. Asn. Economic theory, planning and political economy; industrial development, location and regional development; industry studies, chemical process industries, metalworking; mathematical programming, non-convex and integer programming. Publ: Co-auth, Industrial process analysis and regional development, 59 & contrib, Studies in process analysis: economy-wide production capabilities, Cowles Found. Monog, 63, Wiley; auth, Techniques of sectoral economic planning: the chemical industries, UN, 67. Address: 2 Washington Square Village, Apt. 14-J, New York, N.Y. 10012.

VIG, DR. NORMAN J(OSEPH), b. Willmar, Minn, July 26, 39; m. 68. POLITICAL SCIENCE. B.A. Carleton Col, 61; Fulbright fel, Manchester, 61-62; Woodrow Wilson fel, Columbia, 62-63, Ph.D.(pub. law, govt), 66. Instr. GOVT, CARLETON COL, 66-67, ASST. PROF, 67- Polit. Sci. Asn. British government policy for science and technology. Publ: Science and technology in British politics, Pergamon, 68; co-auth, Science policy, science administration and parliamentary reform, Parliamentary Affairs, summer 66. Address: Dept. of Government, Carleton College, Northfield, Minn. 55057.

VIGLIANO, DR. ALDO, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 65.

VIKOR, DR. DESIDER, b. Kishegyes, Hungary, Jan. 22, 15; U.S. citizen; m. 41; c. 2. ECONOMICS. J.U.D., Francis Joseph Univ, Hungary, 38; Ford Found fel, Duke, 58; M.A. Washington (St. Louis), 55; Ph.D.(econ), St. Louis, 59. Asst. prof. ECON, Memphis State, 57-63; ASSOC. PROF, N.Dak. State,

63-66; DAYTON, 66- Res. grant, N.Dak. Inst. Regional Studies, N.Dak. State, 64. Econ. Asn; Asn. Comp. Econ; Soc. Int. Develop. International economics; economic development, systems, theory and thought. Publ: Die Entwicklung der universalistischen Wirtschaftstheorie, Zeitschrift für Ganzheitsforschung, 61; Economic romanticism in the twentieth century, 64. Address: Dept. of Economics, University of Dayton, Dayton, Ohio 45409.

VIXSNINS, DR. GEORGE J, b. Riga, Latvia, Aug. 17, 37; U.S. citizen; m. 61; c. 3. ECONOMICS. B.A. Temple, 59; Harrison fel. & M.A. Pennsylvania, 60; Earhart fel. & Ph.D.(econ), Georgetown, 64. Instr. ECON, Hood Coll, 60-63; asst. prof., GEORGETOWN, 64-68, ASSOC. PROF, 68- With U.S. Agency Int. Develop, U.S. Dept. State, Bangkok, Thailand, 68. Consult, various govt. agencies & nat. orgn. Am. Econ. Asn; Statist. Asn; Royal Econ. Soc. Monetary economics, especially central banking policies. Publ: Seasonal economic policy, Papers & Proc. Am. Statist. Asn, 64; Managing the money managers, Banking, 67. Address: Dept. of Economics, Georgetown University, 37th & N Sts. N.W., Washington, D.C. 20007.

VILAKAZI, PROF. ABSOLOM, b. Natal, S.Africa, Dec. 27, 14; m. 43; c. 5. ANTHROPOLOGY. B.A. Natal, 49 & 51, Nuffield fel, 55-57, Ph.D., 59; M.A., Hartford Sem. Found, 54; M.A., Trinity Col.(Conn), 55. Asst. prof. anthrop. & African studies, Hartford Sem. Found, 57-60, assoc. prof, 60-62; chief soc. res. sect, UN Econ. Cmn. Africa, 62-65; PROF. AFRICAN STUDIES, SCH. INT. SERV., AMERICAN UNIV., 65-, ANTHROP. UNIV., 66- Fel. Anthrop. Asn; Soc. Appl. Anthropol; fel. African Studies Asn; Ethnol. Soc; Soc. Sci. Study Relig. Separatist church movements and Messianism in Africa; Bantu magico-medical concepts and practices; social change in Africa; education in African traditions and transitional societies. Publ: Race relations in South Africa, In: Race relations in world perspective; Reserve from within, African Studies; Bantu concepts in medicine, Nat. Med. Assn. J. Address: Dept. of African Studies, School of International Service, American University, Washington, D.C. 20016.

VILAR-ALVAREZ, DR. C(ARLOS) M(ANUEL), Parasitol, see 11th ed, Phys. & Biol. Vols.

VILES, DR. PERRY, Early Mod. European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

VILLANUEVA, DR. ALFREDO B, b. Naguilan, La Union, Philippines, Sept. 5, 32; m. 62; c. 3. POLITICAL SCIENCE. B.A. Manila, 53; M.P.A., Philippines, 56; Ph.D.(polit. sci), Minnesota, 61. Asst. prof. POLIT. SCI, North. State Teachers Col, 61-62; Winona State Col, 62-65; ASSOC. PROF., Moorhead State Col, 65-67; NEVADA SOUTHERN, 67- Assoc. exten. prof. pub. admin, Minnesota, 65-67; consult, Exec. Develop. Prog, Clark County, Nev, 67- Co-chmn, Mayor's Task Force City Govt, Fargo, N.Dak, 65-66; coordinator govt. employees training prog, Fargo-Moorhead Metrop. Area, 65-67. Polit. Sci. Asn. Public administration; urban affairs; political behavior. Publ: The politics of municipal reform, J. Minn. Acad. Sci, 66; Municipal organization in North Dakota, N.Dak. Quart, 66; co-auth, The Clark County executive development program, Am. County Govt, 11/67. Address: Dept. of Political Science, Nevada Southern University, Las Vegas, Nev. 89109.

VILLARD, PROF. HENRY H(ILGARD), b. New York, N.Y., Jan. 18, 11; m. 40; c. 2. ECONOMICS. A.B. Yale, 32, B.A. Cambridge, 34, M.A., 39; Ph.D., Columbia, 41. Asst. prof, Amherst Col, 40-41; sr. econ. analyst, div. res. & statist, U.S. Dept. Treas, 41; prin. economist, res. div, bd. gov. Fed. Res. Syst, 45-46; prof. ECON. & chmn. dept, Hofstra Col, 46-49; PROF. CITY COL. NEW YORK, 49-, chmn. dept, 49-67. Dir. econ. develop. & admin. prog, Ford Found, 62-64. Econ. Asn; Economet. Soc; Royal Econ. Soc. Money and banking; business cycles; elementary economics. Publ: Deficit spending and the national income; Economic development; Economic performance. Address: 170 E. 93rd St, New York, N.Y. 10028.

VILLARREAL, PROF. JESSE J(AMES), Speech Path, see 11th ed, Phys. & Biol. Vols.

VILLAUME, WILLIAM J(OHN), b. New York, N.Y., June 17, 14; m. 39; c. 4. SOCIOLOGY. B.A. Wagner Col, 35; B.D., Lutheran Theol. Sem, 41, S.T.M., 42; M.S. Columbia, 46; Jacobus fel. & Ph.D.(sociol), Hartford Sem. Found, 51. Instr. soc. res. sch. theol, Boston, 47-51; exec. dir, dept. urban church & dir. cmt. ministry defense communities, Nat. Coun. Churches, 51-54; exec. dir. dept. soc. welfare, 52-61; pres, Waterloo Lutheran Univ, 61-67; PRES. INT. UNIV. BAHAMAS, 67- Lectr, Brandeis, 59-61. Dir. dept. res. & strategy, Mass. Coun. Churches, 46-61. Pub. interest consult, 52-61; tech. consult, 46-61; consult, bd. higher ed, Am. Lutheran Church, 67; White House Conf. Children & Youth, Childrens Bur, Dept. Health, Ed. & Welfare, 67. Ed. The City Church, 51-54; Christian Social Welfare, 54-59. Mem, Acad. Cert. Soc. Workers, 61- Alumni citation, Hartford Sem. Found, 56; alumni achievement award, Wagner Col, 59; Shepherd's award, Nat. Coun. Churches, 61. Sociol. Asn; Inst. Mgt; Soc. Sci. Study Relig; fel. Gerontol. Soc. Community organization; sociology of religion; urban sociology. Publ: Church planning and adjustment; Protestantism in East Boston; Church and city, Relig. in Life. Address: P.O. Box 1829, West Palm Beach, Fla. 33402.

VILLMOW, DR. JACK R, b. Milwaukee, Wis., Jan. 20, 26; m. 51. GEOGRAPHY, CLIMATOLOGY. Ph.D., Wisconsin, 55. Asst. geog., Wisconsin, 48-51, integrated lib. studies, 49-51; instr. GEOG., Wellesley Col, 51-55, asst. prof, 55-56; Ohio State, 56-59; vis. lectr, grad. schs, Boston & Clark, 59-60; assoc. prof, Ohio State, 60-65; Kenosha Center, Wisconsin, 65-68; PROF., NORTHERN ILLINOIS, 68- Vistor, Harvard Russian Center, 59-60. Asn. Am. Geog; Am. Geog. Soc; Nat. Coun. Geog. Ed; Meteorol. Soc. Meteorology; geography of Europe and the Union of Soviet Socialist Republic. Publ: Position of the Koeppen Da/Db Boundary in eastern United States & Nature and origin of the Canadian Dry belt, Ann. Am. Geogr. Address: Dept. of Geography, Northern Illinois University, DeKalb, Ill. 60115.

VILLWOCK, DR. MARY KATHERINE, b. Barnesville, Ohio, July 11, 13; m. 57. PSYCHOLOGY. B.A., Muskingum Col, 35; M.A., Ohio State, 36; Ph.D. (psychol), Northwestern, 40. Psychologist, State Bur. Juvenile Res, Ohio,

41-47; asst. prof. psychol, Illinois, 47-49; psychologist, pub. schs, Mich, 49-52; assoc. prof. psychol, Muskingum Col, 52-54; PSYCHOLOGIST, TUSCARAWAS VALLEY GUD. CENTER, DOVER, 54- Psychol. Asn; Asn. Ment. Deficiency. Vocabulary; family therapy; marital counseling. Publ: Measurement of the size of general English vocabulary through the elementary grades and high school, Genetics Psychol. Monogr. Address: 243 Beaver N.E., New Philadelphia, Ohio 44663.

VINACKE, PROF. HAROLD M(ONK), b. Denver, Colo, July 26, 93; m. 15; c. 3. POLITICAL SCIENCE. A.B. Denver, 14; Ph.D., Princeton, 22. Prof. hist. & polit. sci, Nankai Univ, China, 16-17; from asst. prof. to prof. hist. & govt, Miami (Ohio), 18-26; prof. POLIT. SCI, CINCINNATI, 26-64, EMER. PROF, 64-, FEL, 48- Prin. regional specialist & chief Japan Sect, Off. War Info; vis. expert, Supreme Comdr. Allied Powers, 50. Consult, Opers. Res. Off, 59- Far Eastern history and politics; American foreign policy. Publ: History of the Far East in modern times; Far Eastern politics in the postwar period; United States and the Far East, Stanford, 52. Address: 7 Interlock Place, Cincinnati, Ohio 45220.

VINACKE, PROF. WILLIAM EDGAR, b. Denver, Colo, July 26, 17; m. 47; c. 3. PSYCHOLOGY. B.A., Cincinnati, 39; Ph.D.(psychol), Columbia, 42. Proj. technician, Civilian Aeronaut. Admin, Works Prog. Admin, N.Y., 41-42, asst. analyst, 42-44; asst. prof. PSYCHOL, Hawaii, 46-50, assoc. prof, 50-57, PROF, 57-62; STATE UNIV. N.Y. BUFFALO, 62- Fund for Adv. Ed. fel, 55-56; Guggenheim fel, 60. U.S.N.R., 44-46, Lt.(jg). AAAS; fel. Psychol. Asn; Sociol. Asn; N.Y. Acad. Sci. Thinking; personality; small groups. Publ: Psychology of thinking, McGraw, 52; co-auth, Dimensions of social psychology, Scott, 63; auth, Foundations of psychology, Am. Book Co, 68. Address: Dept. of Psychology, State University of New York at Buffalo, Buffalo, N.Y. 14214.

VINCENT, DR. CLARENCE EUGENE, b. Oct. 27, 31; U.S. citizen; m. 64. MARKETING. B.S. Indiana, 53, M.B.A., 57, D.B.A., 61. Salesman, Int. Bus. Mach. Corp, Ind, 57-58; buyer, Allis Chalmers Mfg. Co, 55-56; asst. Indiana, 58-60; asst. prof. MKT, SOUTHERN ILLINOIS, 60-64, ASSOC. PROF, 64-, chmn. faculty, 60-64 & 66-68. U.S.A.F., 53-55. Mkt. Asn. Marketing and sales management; retailing. Publ: Management and financial controls for retail hardware stores, Bur. Bus. Res, 61; The retail hardware decline, J. Mkt, 1/64; Personnel executives examine the college graduate, Atlanta Econ. Rev, 6/66. Address: Dept. of Marketing, Southern Illinois University, Edwardsville, Ill. 62025.

VINCENT, PROF. CLARK E(DWARD), b. Otis, Colo, May 13, 23; m. 46; 55; c. 4. SOCIOLOGY. A.B. California, 49, M.A., 50, U.S. Pub. Health Serv. fel. & univ. fel, 51-52, Ph.D.(sociol), 52. Instr. family social, California, 52-55, asst. prof, 55-59; assoc. prof. anthrop. & sociol, Iowa, 59-60; training specialist soc. sci, Nat. Inst. Ment. Health, 60-61, chief, soc. sci. sect, training br, 62-63, asst. chief training br, 63-64; PROF. SOCIOL, BOWMAN GRAY SCH. MED, 64-, DIR, BEHAV. SCI. CENTER, 66- Ford Found. res. grant, 66-71. Pres, Nat. Coun. Family Rels, 64-65; mem. bd, Sex Info. & Ed. Coun. U.S., 64-70; rev. cmt, exp. & spec. training br, Nat. Inst. Ment. Health, 66-70. Fel. Asn. Marriage Counsr; fel. Sociol. Asn; Soc. Study Social Problems. Medical sociology; sociology of child development; marriage counseling; social problems; social psychology. Publ: Readings in marriage counseling; Unmarried mothers; ed, Human sexuality in medical education and practice, C.C. Thomas, 68. Address: Behavioral Sciences Center, Bowman Gray School of Medicine, Winston-Salem, N.C. 27103.

VINCENT, DR. E(LIZABETH) LEE, b. Victor, Colo, Aug. 6, 97. PSYCHOLOGY. A.B. Colorado, 19, M.A., 21; Ph.D.(ed. psychol), Columbia, 24. Asst. ed. psychologist, Lincoln Sch, Columbia, 24-25; psychologist, Merrill-Palmer Sch, 25-46; dean, N.Y. State Col. Home Econ, Cornell, 46-53; prof. human develop, Chatham Col, 53-59; RETIRED. Dir. psychol. clin, Children's Hosp. of Mich, 26-46; lectr, col. med, Wayne, 30-46; med. col, Michigan, 37, grad. sch. ed, 40-46. Psychol. Asn; fel. Soc. Res. Child Development; Home Econ. Asn. Child development; child and educational psychology; family life. Publ: Co-auth, Child development, Human biological development & Human psychological development. Address: Plum Landing, 495 N. Lake St, Aurora, Ill. 60506.

VINCENT, DR. JACK E(RNEST), b. Portland, Ore, Dec. 26, 32; m. 53; c. 4. POLITICAL SCIENCE. B.S. Portland State Col, 57; M.S. Oregon, 60, Ph.D. (polit. sci), 64. Instr. POLIT. SCI, Okla. State, 62-64; asst. prof, Central Michigan, 64-65; FLORIDA ATLANTIC, 65-68, ASSOC. PROF, 68- Study grant, Central Michigan Univ. Res. Adv. Cmt, 65 & Florida Atlantic Univ. Res. Cmt, 67-68; vis. asst. prof, Chadron State Col, summer 64. U.S.A.F., 51-52. Polit. Sci. Asn. United Nations; simulation experiments concerning deterrence. Publ: The caucusing groups of the United Nations—an examination of their attitudes toward the organization, Okla. State Univ, 65; The handbook of international relations, Barron's, 68; National attributes as predictors of delegate attitudes at the United Nations, Am. Polit. Sci. Rev, fall 68. Address: 298 N.W. Tenth Court, Boca Raton, Fla. 33432.

VINCENT, PROF. J(ACK) H(ARPER), b. Kingston, Pa, Dec. 5, 12; m. 41; c. 3. ECONOMICS. A.B. Pa. State Col, 37, A.M., 40; Cornell, 40-42. Instr. econ, Cornell, 40-42; econ. analyst, Economet. Inst, N.Y., 42-43; res. dir, Agr. Adv. & Res, 43-45; ASST. PROF. ECON, PA. STATE, 48-, ASST. TO DEAN COL. LIB. ARTS, 65- Price economist, U.S. Bur. Labor Statist, 42. Money and banking; fiscal policy. Address: 138 Spark Bldg, Pennsylvania State University, University Park, Pa. 16802.

VINCENT, PROF. MELVIN J, b. Buffalo, N.Y. SOCIOLOGY. A.B. Southern California, 18, A.M., 21, Ph.D., 29. Prof. SOCIOL, SOUTHERN CALIFORNIA, 46-62, head dept, 46-54, EMER. PROF, 62- Problems in industrial relations; personality. Publ: Accommodation process in industry; co-auth, Analyzing social problems; New foundations for industrial sociology. Address: Dept. of Sociology, University of Southern California, 3518 University Ave, Los Angeles, Calif. 90007.

VINCENT, DR. NORMAN L(EE), b. Milwaukee, Wis, July 21, 33; m. c. 2. INDUSTRIAL PSYCHOLOGY. B.S. Wisconsin, 57; M.S., Purdue, 58, Ph.D.(indust. psychol), 60. Asst. psychol, Purdue, 57-58, indust. psychol, 58-59,

- instr. statist. 59; supvr. agency res. STATE FARM INS. CO. 60-63, dir. agency res. 63-66, ASST. V.PRES. AGENCY, 66- Lectr. Ill. Wesleyan, 60-65. U.S.A., 53-55, Res. 55-61. AAAS; Psychol. Asn; Statist. Asn; Psychomet. Soc. Psychological tests and measurement; management selection and development; personnel research. Address: State Farm Insurance Co, 112 E. Washington St, Bloomington, Ill. 61701.
- VINCENT, PROF. VERN H, b. Rector, Ark, July 17, 13; m. 41; c. 1. AC-COUNTING, ECONOMICS. B.B.A., Texas, 39, M.B.A., 40; Ph.D., Michigan, 57; South. Fel. Fund grant, 55-56; summer, Earhart Found. grant, 58. Instr. acct, Texas, 39-41; auditor, Reconstruct. Finance Corp, 41-43; assoc. prof. acct, Arkansas, 46-47; from assoc. prof. to prof, Tennessee, 47-57; PROF. ACCT. & ECON, WEST VIRGINIA, 57- U.S.N.R., 43-46, Res. 46-, Lt. Comdr. Econ. Asn; Am. Acct. Asn; Nat. Asn. Acct. Integration of accounting theory with related business fields, especially economics. Address: College of Commerce, West Virginia University, Morgantown, W.Va. 26506.
- VINCENT, PROF. WARREN H (ARDING), b. Mich, June 13, 22; m. 44; c. 5. AGRICULTURAL ECONOMICS. B.S. Mich. State, 47, M.S., 49; Ph.D. (agr. econ), Iowa State, 53. Instr. MICH. STATE, 47-49, asst. prof. AGR. ECON, EXTEN, 49-55, from assoc. prof. to PROF, 55- Economist & consult, Fed. Exten. Serv, 64; head dept. agr. econ, Univ. Nigeria, 66-67. U.S.A., 43-45. Econ. Asn; Agr. Econ. Asn. Farm management and production economics; computer science in agriculture. Publ: Co-auth, Economics and management in agriculture, Prentice-Hall, 62. Address: Dept. of Agricultural Economics, Michigan State University, East Lansing, Mich. 48823.
- VINE, PROF. MARGARET WILSON, b. Ithaca, N.Y., Aug. 22, 14; m. 57. SOCIOLOGY. B.A. Cornell, 38, M.A., 42; Ph.D. (sociol.), Pennsylvania, 52. Instr. SOCIOL, Maine, 44-46; Pennsylvania, 46-50; asst. prof, Mt. Holyoke Col, 50-57; PROF. & HEAD DEPT, KEUKA COL, 57- Fel. Sociol. Asn. Family; social problems and theory. Publ: Introduction to sociological theory; Attitudes toward social change in a Norwegian valley community, Rural Sociol. Address: Dept. of Sociology, Keuka College, Keuka Park, N.Y. 14478.
- VINEBERG, PROF. PHILIP F (ISCHEL), b. Mattawa, Ont, July 21, 14. ECONOMICS, LAW. B.A., McGill, 35, M.A., 36, B.C.L., 39; Free Sch. of Polit. Sci, France, 35-36. Lectr. econ, Sir George Williams Col, 36-39; ECON. & PROF. SCI, MCGILL, 39-43, ASST. PROF, 43-, LECTR. COMMERCIAL LAW, SCH. COMMERCE, 40-, COMPANY LAW, LAW FACULTY, 57-, asst. to dir. sch. commerce, 40. Fel, Brandeis. Consult, War Time Prices & Trade Bd, Ottawa, Ont, 42-45. Mem, Fed. Conciliation Bd, 58-60; former chmn, Can. Tax Found. Fel. Royal Econ. Soc. Publ: Chap. In: Money credit and banking; The French franc and the Gold Standard. Address: 1 Place Ville Marie, Montreal, Que, Can.
- VINEBERG, DR. ROBERT, b. New York, N.Y., Aug. 14, 27; m. 59; c. 1. EXPERIMENTAL PSYCHOLOGY. A.B. N.Y. Univ, 49, M.A., 50, Ph.D. (psychol), 52. Instr. psychol, N.Y. Univ, 52; SR. STAFF SCIENTIST, HUMRRO, GEORGE WASHINGTON, D.C., 52-66, DIV. 3, PRESIDIO of MONTEREY, 66- U.S.A., 56-57. AAAS; Am. Psychol. Asn. Learning; training research; cognitive processes. Publ: Co-auth, Acquisition of compound concepts as a function of previous training; auth, Human factors in tactical nuclear combat, HUMRRO, 4/65; co-auth, Marginal man and military service, U.S. Dept. Army, 12/65. Address: HumRRO, Division 3, P.O. Box 5787, Presidio of Monterey, Calif. 93940.
- VINEBERG, PROF. SHALOM E (LIAS), b. Montreal, Que, Sept. 9, 18; nat; m. 60; c. 4. PSYCHOLOGY. Ph.D. (psychol), California, Los Angeles, 53. Clin. psychologist, Vet. Admin. Hosp, San Fernando, Calif, 53-56; chief psychol. serv, Vet. Admin. Hosp, Oteen, N.C., 56-59; assoc. prof. PSYCHOL, Vanderbilt, 59-61; HOUSTON, 61-66, PROF, 66-. Consult, Calif. Tuberc. Asn, 54-56; Vet. Admin, 59- U.S.A., 44-45. AAAS; Psychol. Asn. Psychological aspects of disability and rehabilitation. Address: Dept. of Psychology, University of Houston, Houston, Tex. 77004.
- VINER, DR. JACOB, b. Montreal, Que, May 3, 92; nat. ECONOMICS. B.A., McGill, 14, LL.D., 54; A.M., Harvard, 15, Ph.D., 22, D.Sc., 63; LL.D. Lawrence Col, 41, California, 45, Brown, 50, Queen's (Ont), 51, Chicago, 55, Oberlin Col, 59, Toronto, 61, Princeton, 67; L.H.D. Columbia, 54; D.Sc. Pennsylvania, 60; D.Litt. Glasgow, 63. Instr. econ, Chicago, 16-17; spec. expert, U.S. Tariff Cmn, 17-19, consult. expert, 19-20; asst. prof. ECON, Chicago, 19-23, assoc. prof, 23-25, prof, 25-40, Hull Distinguished Serv. prof, 40-46; prof, PRINCETON, 46-50, Walker prof, 50-60, EMER. PROF, 60- Vis. prof, McGill, 21; grad. sch. int. studies, Geneva, 31-32, 33-34; Stanford, 37; London Sch. Econ, 46; Nat. Univ. Brazil, 50; Hitchcock prof, California, 45; Marshall lectr, Cambridge, 46; Tanssig res. prof, Harvard, 61-62; hon. fel, London Sch. Econ. Asst. to U.S. Secy. Treas, 34, consult. expert, 39-42; U.S. Dept. State, 43-53. Spec. expert, U.S. Shipping Bd, 18. Ed. J. Polit. Econ, 29-46. Permanent Mem, Inst. Adv. Studies. Econ. Asn. (pres, 39); fel. Am. Acad. Arts & Sci; Philos. Soc; fel. Brit. Acad; Swedish Acad; for. mem. Nat. Acad. Lincei. International economic relations; economic theory; history of economic thought. Publ: Canada and its giant neighbor, Carleton, 58; Problems of monetary control, Princeton, 64; Guide to John Rae's life of Adam Smith, Kelley, 65. Address: 13 Newlin Rd, Princeton, N.J. 08540.
- VINES, PROF. KENNETH N (ELSON), Polit. Sci, see 10th ed, Soc. & Behav. Vols.
- VINES, PROF. QUENTIN C, b. Urbana, Ill, June 4, 06; m. 32. INDUSTRIAL ENGINEERING. B.S., Illinois, 29, M.E., 50. Asst. cost supvr, Hyatt Roller Bearing Div, Gen. Motors Corp, 36-37; cost acct. & methods engr, Gen. Elec. Co, 37-38; staff engr, Nat. Metal Trades Asn, 38-39; chief indust. engr, Thew Shovel Co, 39-41; sr. indust. engr, Carnegie-Ill. Steel Corp, 41-43; consult. engr, Booz, Allen & Hamilton, 43-47; asst. prof. gen. eng, Iowa State Col, 47-48; ASSOC. PROF. INDUST. ENG, MICHIGAN, 48- Arbitrator, 48- Inst. Indust. Eng. Arbit. Asn; Acad. Arbit. Wage administration; industrial methods; safety; management; arbitration. Address: 231 W. Engineering Bldg, University of Michigan, Ann Arbor, Mich. 48104.
- VINEY, DR. (ARTHUR) WAYNE, b. Wichita, Kans, Mar. 4, 32; m. 52; c. 2. PSYCHOLOGY. B.A., Oklahoma Baptist, 56; M.S., Oklahoma, 60, Ph.D. (psychol), 64. Chmn. dept. PSYCHOL, Oklahoma City Univ, 60-66; HEAD DEPT, COLORADO STATE, 67- AAAS; Psychol. Asn. Learning especially extinction processes and discrimination processes. Publ: Co-auth, The effect of effort upon extinction, 51: 505-507, The effect of stimulus variation of response probability during extinction, 1: 79-82 & The effect of stimulus variation upon resistance to extinction in kindergarten children, 66, J. Comp. & Physiol. Psychol. Address: Dept. of Psychology, Colorado State University, Ft. Collins, Colo. 80521.
- VINEYARD, PRES. EDWIN E (ARLE), b. Wright City, Okla, Aug. 30, 26; m. 46; c. 2. EDUCATIONAL PSYCHOLOGY, COUNSELING. B.S. Okla. State, 49, M.S., 51, fel, 54-55, Ed.D., 55. Dir. testing & counseling, Panhandle Agr. & Mech. Col, 55-58; dir. student personnel, Southwest. State Col, 58-59, assoc. prof. psychol, 59-60, chmn. div. teacher ed, 60-61; assoc. prof. ed, Okla. State, 61-65; PRES. NORTH. OKLA. COL, 65- U.S.N., 44-46. Psychol. Asn; Personnel & Guid. Asn. Use of tests in prediction of academic success; interrelationships of linguistic skills. Publ: Profession of teaching; Longitudinal study of D.A.T. scores and college success, Personnel & Guid. J; Interrelationship of linguistic skills, J. Ed. Psychol. Address: Northern Oklahoma College, Tonkawa, Okla. 74653.
- VINGE, PROF. CLARENCE L (LOYD), b. Ishpeming, Mich, Dec. 30, 15; m. 43; c. 2. GEOGRAPHY. B.A., North. Mich. Col, 38; Ph.M., Wisconsin, 40, Ph.D. (geog), 46. Asst. prof. GEOG, MICH. STATE, 47-50, assoc. prof, 50-53, PROF, 53- Bus. economist, War Prod. Bd, 41-42. U.S.A.A.F., 42-45. AAAS; Asn. Am. Geog; fel. Am. Geog. Soc; Nat. Coun. Geog. Ed; Econ Asn. Regional economic geography of North America. Publ: Co-auth, Economic geography, 66 & United States government publications in geography, 67, Littlefield. Address: Dept. of Geography, Michigan State University, East Lansing, Mich. 48823.
- VINGOE, DR. FRANCIS J (AMES), b. San Diego, Calif, Oct. 20, 31; m. 57; c. 2. PSYCHOLOGY. A.B. San Diego State Col, 56; M.A., San Francisco State Col, 60; Ph.D. (psychol), Oregon, 65. Psychologist, pub. schs, Wash, 61-63; intern clin. psychol, Napa State Hosp, Molokai, Calif, 63-64; res. assoc. PSYCHOL, Dammasch State Hosp, Wilsonville, Ore, summer, 65; ASST. PROF, COLORADO STATE, 65- Instr. Olympic Col, 61-63; Napa Col, 63-64; Univ. Oregon, 65. Ment. health consult, Tri-County Head Start Prog, Wyo, 67-68. U.S.N., 49-53. Am. Psychol. Asn; Asn. Adv. Behav. Ther; Soc. Clin. & Exp. Hypnosis; Int. Soc. Clin. & Exp. Hypnosis; for. mem. Brit. Psychol. Soc. Hypnosis and the facilitation of the learning process; behavioral modification; personality factors associated with the judgemental process; human assessment. Publ: Hypnotic susceptibility of hospitalized psychotic patients: a pilot study, Int. J. Clin. Exp. Hypnosis, 66; Self-awareness, self-acceptance and hypnotizability, J. Abnorm. Psychol, 67; Personality characteristics of good judges of others, J. Counseling Psychol, 68. Address: Dept. of Psychology, Colorado State University, Ft. Collins, Colo. 80521.
- VINING, PROF. D (ANIEL) RUTLEDGE, b. Birmingham, Ala, Aug. 12, 08; m. 36; c. 2. ECONOMICS. B.B.A., Texas, 31, M.A., 35; Ph.D. (econ), Chicago, 44. Prof. econ, Westminster Col. (Mo), 35-38; instr. econ. & statist, Arkansas, 38-40, asst. prof, 41-43, assoc. prof, 44; econ, VIRGINIA, 45-46, PROF. ECON. & STATIST, 46- Statistician & economist, Fed. Reserve Bank, Atlanta, Ga, 41; res. assoc. Nat. Bur. Econ. Res, 48-49. Consult, East. R.R., 50-51. Econ. Asn; Statist. Asn. Spatial aspects of the structure and development of an economic system; economic problems arising from growth and change; methodological problems in economic research and analysis. Publ: Location of industry and regional patterns of business cycle behavior, Econometrica; Methodological issues in quantitative economics, Am. Econ. Rev; Delimitation of economic areas, statistical conceptions in the study of spatial structure of an economic system, J. Am. Statist. Asn. Address: Dept. of Statistics, University of Virginia, Charlottesville, Va. 22903.
- VINOGRADOFF, DR. E (UGENE) D (IMITRI), b. Moscow, Russia, Jan. 30, 07; nat; m. 35; c. 2. ECONOMICS. B.S. Carnegie Inst. Tech, 28; M.A., Pittsburgh, 32, Ph.D. (econ), 37. Chief div. labor mkt. studies, off. prog. rev. & anal, bur. employ. security, U.S. Dept. Labor, D.C., 37-56; exec. dir, President's Cmt. Scientists & Engrs, 56-59; consult. to dir, U.S. Employ. Serv, DEPT. LABOR, 59-63, CONSULT. HUMAN RESOURCES, Peru, 63-64, Venezuela, 64 & 67, Pakistan, 64-65 & 68-67, Brazil, 65-66, MOROCCO, 67- Human resources secy, U.S. Mission to UN Conf. Develop. Countries, 62. Statist. Asn. Address: Bureau of International Labor Affairs, Dept. of Labor, Washington, D.C. 20013.
- VINSON, DR. DAVID B (ERWICK), Psychol, see 11th ed, Phys. & Biol. Vols.
- VINYARD, DR. C. DALE, b. Milwaukee, Wis, Dec. 2, 32; m. 65. POLITICAL SCIENCE. B.A., Wisconsin, 56, M.A., 58, Ph.D. (polit. sci), 64. Instr. POLIT. SCI, Wis. State, 58-61; asst. prof, WAYNE STATE, 63-67, ASSOC. PROF, 68- Mem. Midwest Conf. Polit. Sci. Polit. Sci. Asn. Legislative process; political parties; interest groups. Publ: Congress, Scribners, 68. Address: Dept. of Political Science, Wayne State University, Detroit, Mich. 48202.
- VINYARD, JOHN H (OWARD), JR, b. Columbia, Mo, Mar. 27, 22. BIostatistics. B.S., Missouri, 49, M.S., 50; M.P.H., California, 53. Anal. statistician, State Dept. Pub. Health, Ill, 50-55; chief statist. methods sect, State Dept. Health, Pa, 55-60; chief div. biostatist, D.C. Dept. Pub. Health, 60-64; SPEC. ASST. RES. & EXP. STATIST, MED. STATIST. AGENCY, OFF. SURGEON GEN, U.S. DEPT. ARMY, 64- U.S.A., 45-46. Statist. Asn; Pub. Health Asn. Analysis of morbidity and mortality data collected in connection with Army Medical Service. Publ: Pneumococcal mortality in Pennsylvania, Pa. Med. J; Infant mortality in Pennsylvania, 1954-58 & co-auth, Prenatal care and prematurity, 3/65, Pub. Health Reports. Address: 2001 N. Adams St, Arlington, Va. 22201.
- VIRA, DR. SOMA, b. Lucknow, India, Nov. 20, 32. INTERNATIONAL RELATIONS, URBAN ADMINISTRATION. B.A., S.N.D.T. Univ, Bombay, India, 57; M.A., Colorado, 60; Ph.D. (polit. sci), N.Y. Univ, 67. PROJ. DIR. MKT.

RES, H.D. OSTBERG ASSOCS, 67- Lectr. for Int. House & Speaker Serv, N.Y. 60- Ed, children's page, Nav Bharat Times, Bombay, 56-57; campus reporter, Boulder Daily Camera, Colo, 57-60; ed, Colo. Daily, Univ. Colorado, 58-59, summer news reporter, Univ. News Bur, 58. Polit. Sci. Asn. Community development; impact of socio-economic factors upon politics and administration. Address: H.D. Ostberg Associates, 300 Park Ave. S, New York, N.Y. 10010.

VIRTS, DR. JOHN R(ICHARD), b. Ft. Wayne, Ind, Mar. 1, 25; m. 47; c. 1. ECONOMICS. B.S., U.S. Naval Acad, 47; M.A. Indiana, 51, Ph.D.(econ), 57. Statistician mkt. res, ELI LILLY & CO, 56-60, head statist. studies dept, 60-61, asst. mgr. mkt. studies dept, 61-62, mgr, 62-66, STAFF ECONOMICIST, 66- Lectr, Indiana, 58- Mem. Gov. Econ. Forecast Cmt, Indiana, 66- U.S.N., 43-50, 51-53, Lt. Economet. Soc; Statist. Asn; Asn. Bus. Econ. Application of statistical methodology and economic model building to the solution of business problems. Address: Eli Lilly & Co, 740 S. Alabama St, Indianapolis, Ind. 46206.

VISER, PROF. FESTUS JUSTIN, b. Memphis, Tenn, June 11, 20. ECONOMICIS. B.S. Memphis State, 42; M.S. N.Y. Univ, 49, M.B.A. 52, Ph.D. 58; Columbia, 52-54. Cost acct, Firestone Tire & Rubber Co, Tenn, 43-45; asst. prof, Notre Dame, 50-51; lectr. Baruch Sch, City Col. New York, 51-55; asst. prof. ECON, N.Y. Univ, 55-65; PROF. & CHMN. DEPT. MEMPHIS STATE, 65- Econ. consult, Nelson Rockefeller, 58. Econ. Asn. Economic forecasting; macroeconomic theory; business cycles. Address: Dept. of Economics, Memphis State University, Memphis, Tenn. 38111.

VISHER, DR. HALENE HATCHER, b. Murray, Ky, June 18, 09; m. 51; c. 1. ECONOMIC GEOGRAPHY. A.B. Murray State Col, 30; M.A. Peabody Col, 32; American Univ, 44; M.A. Indiana, 55, Ph.D. 60. Teacher, pub. schs, Ky, 30-42; instr. geog, Peabody Col, 42-44; cartographer, Off. Strategic Serv, 44-45; asst. prof. geog, Murray State Col, 45-48, summers, 33-35; geog. & conserv. specialist, U.S. Off. Ed, D.C., 48-51; LECTR. & CONSULT, PUB. SCH. SYSTS. & UNIVS, 51- Lectr, Purdue, 51; summer, vis. prof. & dir, conserv. ed. workshop, Mont. State Col, 52. Mem. U.S. orgn. cmt, Int. Tech. Conf. Protection Nature, Lake Success, 49; secy, conserv. ed. cfm, Int. Union Protection Nature, 49-51; U.S. Off. Ed. rep, Inter-Am. Conf. Conserv. Renewable Resources, Colo, 48; UN Sci. Conf. Conserv. & Utilization Resources, 49. Asn. Am. Geog. Conserv. Ed. Asn; Nat. Coun. Geog. Ed. Conservation; regional geography. Publ: Better living through wise use of resources; A determination of conservation principles and concepts desirable for use in secondary schools. Address: 817 E. Second St, Bloomington, Ind. 47401.

VISHER, JOHN EDWIN, Govt, Pub. Admin, see 10th ed, Soc. & Behav. Vols.

VISOTSKY, DR. HAROLD M, Med, Psychiat, see 11th ed, Phys. & Biol. Vols.

VITALE, DR. JOHN H(ENRY), b. Shreveport, La, Oct. 3, 16; m. 47; c. 2. PSYCHOLOGY. A.B. California, 49; M.A. Stanford, 52, Ph.D.(clin. psychol), 53. Asst. chief clin. psychol. serv, VET. ADMIN. HOSP, Perry Point, Md, 53-55, chief clin. psychol. serv, Sepulveda, Calif, 55-59, coordinator psychol. serv, Palo Alto, 59-66, CHIEF PSYCHOL. SERV, SAN FRANCISCO, 66- Clin. assoc, Southern California, 56; instr, California, 56-59; San Fernando State col, 58-59; Int. Soc. Clin. & Exp. Hypnosis, 56; California, 60; assoc. prof, San Francisco State Col, 61. Consult, Havre de Grace Ment. Hyg. Clin, Md, 53-55; Multi-Culture Inst, San Francisco, Calif, 67- U.S.A.A.F, 42-46, Capt. Psychol. Asn; Int. Soc. Clin. & Exp. Hypnosis. Theory, treatment and rehabilitation of behavior disorders; medical psychology; neuropsychology; hypnotherapy; psychophysiology; behavior modification. Publ: Therapeutic community, In: Psychiatric hospital as a social system; Mental hospital therapy: a review and integration, In: Current psychiatric therapies; The impact of the study on the hospital, In: Social psychology in the treatment of mental illness, Wiley, 64. Address: Veterans Administration Hospital, 42nd & Clement, San Francisco, Calif. 94121.

VITELES, PROF. MORRIS S(IMON), b. Svanetz, Russia, Mar. 21, 98; U.S. citizen; m. 31. PSYCHOLOGY. A.B. Pennsylvania, 18, M.A., 19, Ph.D. (psychol), 21. Asst. instr. psychol, PENNSYLVANIA, 18-19, instr, 19-25, asst. prof, 25-35, assoc. prof, 35-40, prof, 40-68, dean grad. sch, ed, 63-67, EMER. PROF. PSYCHOL, 68- Am. Field Serv. fel, Paris, 22-23; Soc. Sci. Res. Coun. fel, 34-35. Dir. personnel, res. & training, Phila. Elec. Co, 30-64. Private consult, 20- Consult, War Manpower Cmn, 42-46; Nat. Defense Res. Cmt, 41-46; U.S. Navy, 51-53; Civil Aeronaut. Authority. Chmn. cmt. aviation psychol, Nat. Res. Coun, 42-51. U.S.A., 17-19. AAAS; fel. Psychol. Asn; hon. cor. mem. Nat. Inst. Indust. Psychol, Brit; Int. Asn. Appl. Psychol.(pres, 58-68). Application of psychology in industry and vocational guidance. Publ: Industrial psychology; Science of work; Motivation and morale in industry. Address: Dept. of Psychology, University of Pennsylvania, Philadelphia, Pa. 19104.

VITTENSON, DR. LILLIAN KASS, b. Chicago, Ill, Jan. 23, 24; m. 45; c. 3. PSYCHOLOGY, SPECIAL EDUCATION. B.Mus, Am. Conservatory Music, 46; M.A. Northwestern, 63, Ph.D.(psychol, child growth & develop), 65. Instr. music, blind col. students, Am. Conservatory Music, 41-46; teacher, jr. high sch, Ill, 58-62; ASSOC. PROF. PSYCHOL. & SPEC. ED, NORTH-EAST. ILL. STATE COL, 63- Consult. & clin. psychologist, Winnetka Inst. Hearing & Speech, 63-; clin. psychologist, N.Oto-Audiol. Group, Ill, 63-; consult. & psychologist, Ill. State Off. Pub. Instr, 65-67; consult. & clin. psychologist, Oak Ther. Sch, Ill, 67- Mem. Nat. Cmn. Resources for Youth, 67- Psychol. Asn; Asn. Ment. Deficiency. Effect of Negro students of deprivation and ability to identify with others and self successfully; neurological implications of mental retardation. Publ: The culturally disadvantaged, In: Equal opportunity, U.S. Navy, 66; Areas of concern to Negro college students, J. Negro Ed, winter 67; Counseling parents of deaf and hard-of-hearing children, Sch. Counar, 11/67. Address: 590 Rambler Lane, Highland Park, Ill. 60035.

VITZ, DR. PAUL C, b. Toledo, Ohio, Aug. 27, 35; m. 63. PSYCHOLOGY. B.A. Michigan, 57; Ph.D.(psychol), Stanford, 62. Instr. PSYCHOL, Pomona Col, 62-64; res. assoc, Stanford, 64-65; ASST. PROF. WASH. SQ. COL, N.Y.

UNIV, 65- Res. grants, Nat. Inst. Ment. Health, 63-66 & Nat. Inst. Neurol. Diseases & Blindness, 67-70. AAAS; Psychol. Asn. Human pattern perception, especially visual patterns; human learning of patterns; human emotional responses to both visual and auditory patterns. Publ: Auth, Affect as a function of stimulus variation, 71: 74-79 & co-auth, A model of learning for simple binary patterns, 75: 108-117, J. Exp. Psychol; auth, Preference for different amounts of visual complexity, Behav. Sci, 11: 105-114. Address: Dept. of Psychology, New York University, Washington Square College of Arts & Sciences, 21 Washington Place, New York, N.Y. 10003.

VIZZARD, DR. WILLIAM R(AYMOND), JR, b. San Francisco, Calif, Feb. 24, 29. INTERNATIONAL RELATIONS. B.S. San Francisco, 49; Georgetown, 49-51; M.A. California, 52, Ph.D.(polit. sci), 61. Staff intel. officer, hq, Fifth Air Force, 53-54; hq, Far East Air Force, 54-57; instr, Air Command & Staff Col, 57-58; Nat. Defense Ed. Act for. lang. fel, 60-61; asst. prof. govt, Oklahoma, 61-62; command historian, Fifth Air Force, Japan, 62-67; INT. RELS. OFFICER, U.S. TAIWAN DEFENSE COMMAND, 67- Instr, Univ. California Far East Exten, Korea & Japan, 53-56; Univ. Maryland Far East Div, Japan, 56-57, 62-67; Taipei, 67- U.S.A.F, 52-58, Res, 58-, Maj. Polemology; international law; Far East area. Publ: Japan on the fence; Taiyozoku, Sociologus; TIA II-the story of the decision for a second Tokyo international airport, Fifth Air Force, 66. Address: J-12, Box 24, U.S. Taiwan Defense Command, APO San Francisco 96263.

VLASIN, RAYMOND DANIEL, b. Wallace, Nebr, Aug. 7, 31; m. 55; c. 3. ECONOMICIS. B.S. Nebraska, 53, M.A. 57; Wisconsin, 57-60. Agr. economist, agr. res. serv, U.S. Dept. Agr, 56-61, econ. res. serv, 61, leader resource economics, 61-64, staff scientist, prog. develop. & eval. staff, 64-65, dir. natural resource econ. div, 65; prog. leader community resource develop. & pub. affairs, Minnesota, 65-67; dir. planning & regional develop, WISCONSIN, GREEN BAY & UNIV. EXTEN, 67-68, ASST. CHANCELLOR EXTEN, 68- Instr, dept. agr. econ, Nebraska, 56-57. Consult, task force rural poverty, U.S. Dept. Agr, 64-65; consult. & staff economists, submt. real property acquisition, pub. works cmt, U.S. House Rep, 64-66; consult, Nat. Adv. Cmn. Food & Fiber, 66; Nat. Task Force Community Resource Develop, 66-67; Nat. Task Force Community Resource Develop. Ed, 68- U.S.A., 53-55. Am. Agr. Econ. Asn; Can. Agr. Econ. Soc; Int. Agr. Econ. Land economics; institutional aspects of land and water use and resource development; improvements in institutions and administrative procedures for allocation of resources; research and extension in community resource development; resource economics. Publ: Property owners problems and legal information they need in land acquisition for highways; co-auth, Potential new sites for outdoor recreation in the Northeast; co-auth, Community resource development, U.S. Dept. Agr, 67. Address: Box 834, University of Wisconsin, Green Bay, Wis. 54301.

VOAS, DR. ROBERT B(RUCE), b. Evanston, Ill, Feb. 21, 28; m. 53; c. 1. PSYCHOLOGY. Ph.B. Chicago, 46; B.A. California, Los Angeles, 48, M.A., 51, Ph.D.(psychol), 53. Res. assoc. human eng, U.S. Navy Electronics Lab, Calif, 53-54; res. psychologist, U.S. Naval Sch. Aviation Med, Naval Air Sta, Fla, 54-57; head human eng. br, Aeromed. div, Naval Med. Res. Inst, Md, 57-58; asst. to dir, manned spacecraft center, NASA, 58-64; dir. life sci. lab, space sci. lab, Litton Indus, Inc, 64-65; DEP. DIR. OFF. SELECTION, PEACE CORPS, 65- AAAS; Psychol. Asn; Human Factors Soc. Electrophysiology; personality measurement; stress tolerance. Address: 1766 Proffit Rd, Vienna, Va. 22180.

VOEGELIN, PROF. C(HARLES) F(REDERICK), b. New York, N.Y., Jan. 14, 06; m. 31; c. 1; m. 54. ANTHROPOLOGY. B.A. Stanford, 27; Ph.D.(anthrop), California, 32. Fel, Yale, 33-34, Am. Coun. Learned Soc. fel, 34-35, Nat. Res. Coun. fel, 35-36; asst. prof. ANTHROP, DePauw, 36-39, assoc. prof, 39-41; INDIANA, 41-47, prof. & chmn. dept, 47-66, DISTINGUISHED PROF, 67-, PROF. LING, 67-, ED, ANTHROP. & LING. PUB, 48-, dir. ling. inst, 52-53. Lectr, Michigan, North Carolina & Ling. Inst, 38-41; Northwestern, 46; Guggenheim fel, California, 48. Ed, Int. J. Am. Ling, 44- Fel. Anthropol. Asn; Ling. Soc.(pres, 54); Am. Acad. Arts & Sci. Structures of American Indian languages; ethno-linguistics. Address: Dept. of Anthropology, Indiana University, Bloomington, Ind. 47401.

VOEGELIN, PROF. ERIC, b. Cologne, Germany, Jan. 3, 01; nat; m. POLITICAL SCIENCE. Dr. rer. pol, Vienna, 22. Instr. & tutor. polit. sci, Harvard, 38-39; instr, Bennington Col, 39; asst. prof, Alabama, 39-42; assoc. prof, La. State, 42-46, prof, 46-52, Boyd prof. govt, 53-58; UNIV. PROF. POLIT. SCI, MUNICH, 58- Rockefeller fel, 24-27; Guggenheim fel, 50, 55; Walgreen lectr, 51. Polit. Sci. Asn. Philosophy of politics; history of political ideas. Publ: Order and history, La. State Univ; Science, politics, and gnosis, Kösel Verlag, 59; Anamnesis, Piper Verlag, 66. Address: Dept. of Political Science, University of Munich, Konradstrasse 6, 8 Munich 13, Germany.

VOEGELIN, DR. FLORENCE M, b. Colorado Springs, Colo, Sept. 26, 27; m. 54. ANTHROPOLOGY, LINGUISTICS. A.B. Colo. State Col. Ed, 49; M.A. Indiana, 52, Ph.D.(anthrop), 54. Instr. Eng, Puerto Rico, 49-51; teaching assoc, Air Force Lang. Training Prog, INDIANA, 52-54, DIR. ARCH. LANG. OF THE WORLD, 56-, ED, ANTHROP. LING, 59- Fel. Anthropol. Asn; Ling. Soc. Am. Anthropological linguistics; American Indian languages; language and culture; survey of languages of the world. Publ: Hidatsa. I Phonology, II Affixes & III Word classes, Int. J. Am. Ling, 1-7/55; co-auth, Languages of the world, Anthropol. Ling, 20 Fascicles, 3/64-10/66. Address: Dept. of Anthropology, Indiana University, Bloomington, Ind. 47401.

VOEKS, PROF. VIRGINIA WILNA, b. Champaign, Ill, May 9, 21; m. 53. PSYCHOLOGY. B.S. Washington, 43, M.S. 44; scholar & Sterling fel, Yale, 44-47, Ph.D.(psychol), Yale, 47. Asst. prof. PSYCHOL, Washington (Seattle), 48-49; SAN DIEGO STATE COL, 49-54, assoc. prof, 54-58, PROF, 58- Fel. Psychol. Asn; Psychonomic Soc; N.Y. Acad. Sci. Theory of learning in rats and human beings; personality and attitude formation. Publ: On becoming an educated person, Saunders, 57 & 2nd ed, 64; What fixes the correct response?, Psychol. Rev; Publications and teaching effectiveness, J. Higher Ed. Address: Dept. of Psychology, San Diego State College, San Diego, Calif. 92115.

VOGEL, DR. BERTRAM, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.

VOGEL, PROF. EZRA, b. Delaware, Ohio, July 11, 30; m. 53; c. 2. SOCIOLOGY. B.A., Ohio Wesleyan, 50; M.A., Bowling Green State, 51; Ph.D., Harvard, 58. Res. fel. soc. rels, Harvard & Japanese Nat. Inst. Ment. Health, 58-60; asst. prof. sociol., Yale, 60-61; res. fel., EAST ASIAN RES. CENTER, HARVARD, 61-67, ASSOC. DIR., 67-. PROF. SOCIOLOGY. CHINESE STUDIES, UNIV., 67-, lectr., dept. soc. rels, 62-67. Mem. joint cmt. Contemporary China, Am. Coun. Learned Soc. Sci. Res. Coun., 67-. Sociol. Assn; Asn. Asian Studies. Sociological aspects of mental health; Far Eastern social structure; family structure. Publ: Co-ed, Modern introduction to the family; auth, Japan's new middle class, Univ. California, 63. Address: 46 Parker St, Cambridge, Mass. 02138.

VOGEL, DR. JOHN L(LOYD), b. Corsica, S.Dak., Mar. 4, 27; m. 56; c. 2. CLINICAL PSYCHOLOGY. A.B., Calvin Col., 49; M.A., Michigan, 50; U.S. Pub. Health Serv. fel., Chicago, 59-66; ASSOC. PROF., PSYCHOL., Washington (Seattle), 59-62; ASSOC. PROF., BALDWIN-WALLACE COL., 62-. Psychol. Asn. Psychotherapy; personality; authoritarianism; psychodiagnostics; psychotherapist personality variables. Publ: Authoritarianism in the therapeutic relationship & Failure to validate the Cr and Sm scales of the MMPI, 63, J. Consult. Psychol; Satiation of the success experience, J. Exp. Res. Personality, 67. Address: Dept. of Psychology, Baldwin-Wallace College, Berea, Ohio 44017.

VOGEL, DR. PHILIP E, b. Climax Springs, Mo., Sept. 8, 26; m. 53. GEOGRAPHY. B.S. Cent. Mo. State Col., 53; M.A., Nebraska, 56, Ph.D., 60. Asst. prof. GEOG., Southern Illinois, 59-66; ASSOC. PROF., ORE. COL. ED., 66-. U.S.A., 50-52, St. Irrigation agriculture in the United States; tropical agriculture. Address: Dept. of Geography, Oregon College of Education, Monmouth, Ore. 97361.

VOGEL, DR. ROBERT CROSS, b. Detroit, Mich., June 30, 38. ECONOMICS. A.B., Amherst Col., 60; univ. fel., Stanford, 61-62, 64-65, Ford Found. fel., 62-64, Ph.D.(econ), 67. ASST. PROF. ECON. WESLEYAN, 65-. Nat. Sci. Found. res. grant, 66-67. Finance Asn; Econ. Asn; Economet. Soc; Statist. Asn. Demand for cash and liquid assets; simultaneous equation macroeconomic models with endogenous money; balance of payments and European financial integration; government revenue and expenditure patterns. Publ: The demand for cash and liquid assets by manufacturing corporations, Nat. Sci. Found. Report, 67; co-auth. The demand for money: a cross-section study of business firms: comment, Quart. J. Econ., 65 & Cross section estimates of liquid asset demand by manufacturing corporations, J. Finance, 67. Address: Dept. of Economics, Wesleyan University, Middletown, Conn. 06457.

VOGEL, DR. RONALD JOSEPH, b. Chicago, Ill., Aug. 11, 37; m. 66. ECONOMICS. A.B., Notre Dame, 60; M.A., Cath. Univ. Angers, 62; M.A., Marquette, 64; Ph.D.(econ), Wisconsin, 67. Instr. econ., Dominican Col.(Wis), 64-65; ASST. PROF. ECON. & PUB. ADMIN., CORNELL, 67-. Econ. Asn; Tax Inst. Am. Poverty, especially economic problems of Negroes; minimum wages; highway finance; state and local taxation. Address: 154 Warren Hall, Cornell University, Ithaca, N.Y. 14850.

VOGEL, DR. WILLIAM, b. New York, N.Y., June 26, 33; m. 59; c. 1. CLINICAL PSYCHOLOGY. B.A., Wesleyan, 55; M.A., Clark, 57, Ph.D.(psychol), 59. Chief psychologist, neuropsychiat. outpatient clin., Walter Reed Gen. Hosp., D.C., 60-62; RES. PSYCHOLOGIST, WORCESTER STATE HOSP., 62-. Assoc. affiliate prof., Clark, 65-. Psychol. Asn. Electroencephalography; mental retardation; human brain function; psychophysiological behavior under stress; motivation; diagnosis of brain damage; evaluation of psychotherapy. Publ: Intrinsic motivation and psychological stress, J. Abnorm. & Soc. Psychol., 59; Relationship between EEG & intelligence, 64 & Role of glutamic acid in cognitive behaviors, 66, Psychol. Bull. Address: 43 Beeching St, Worcester, Mass. 01602.

VOGEL-SPROTT, DR. MURIEL DORIS, b. Waterloo, Ont., Aug. 20, 34; m. 61; c. 1. PSYCHOLOGY. B.A., McMaster, 55; M.A., Toronto, 57, Ph.D.(psychol), 60. ASSOC. PROF. PSYCHOL., WATERLOO, 61-. Res. Assoc. alcoholism & consult, Addiction Res. Found., 57-67. Mem. Int. Cong. Psychol., 61-. Am. Psychol. Asn; Can. Psychol. Asn. Learning; psychopharmacology; experimental psychopathology; alcoholism. Publ: Alcoholism as learned behaviour: hypotheses and research, Springer Pub., 67; Partial-reward training for resistance to punishment and to subsequent extinction, J. Exp. Psychol., 75: 138-140; Alcohol effects on human behaviour under reward and punishment, Psychopharmacologia, 11: 337-344. Address: Dept. of Psychology, University of Waterloo, Waterloo, Ont., Can.

VOGELY, DR. WILLIAM A(RTHUR), b. Salisbury, N.C., Apr. 26, 24; m. 54. ECONOMICS. A.B., Kenyon Col., 45; South-East Club fel., Princeton, 46-47, M.A., 47, Ph.D., 58. Vis. instr. econ., Kenyon Col., 47-48; economist, State of N.J., 48-51; input-output, U.S. Govt., 51-53, gen. & for. trade, 55-60; Rand Corp., 54-55; chief economist, BUR. MINES, U.S. DEPT. INTERIOR, 60-64, chief div. econ. anal., 64-67, ASST. DIR. MINERAL RESOURCE DEVELOP., 67-. Lectr., U.S. Dept. Agr. Grad. Sch., 54-; prof. lectr., George Washington, 62-. Consult., Rand Corp., 55-58. Econ. Asn. Economic measurement; foreign trade; input-output. Publ: Measurement of government output; co-auth. Pattern of energy consumption in the United States, 1947 to 1965 and 1980 projected, World Power Conf., 66; auth. Measuring the benefits of minerals research, Proc. Coun. Econ. Inst. Min. Metall. & Petrol. Eng., 67. Address: 6504 Pyle Rd, Bethesda, Md. 20034.

VOGET, PROF. F(REDERICK) W(ILLIAM), b. Salem, Ore., Feb. 12, 13; m. 42; c. 3. ETHNOLOGY. B.A., Oregon, 36; Ph.D., Yale, 48. Asst. prof., ANTHROP., McGill, 48-52; assoc. prof., Arkansas, 52-55, PROF., 55-61; Toronto, 61-65; SOUTHERN ILLINOIS, EDWARDSVILLE, 65-. Vis. prof., Toronto, 59-60; Nat. Mus. Can. res. grant, Grand River Iroquois, summers, 60-63; Can. Coun. res. grant, 64-65. U.S.A., 42-46. Soc. Appl. Anthropol.; Ethnol. Soc; Anthropol. Asn. Sociology of acculturation; Crow, Shoshone, Caughnawaga and Grand River Iroquois; diffusion of Shoshone sun dance to Crow; cultural integration; ethnological theory and method. Publ: American

Indian in transition; reformation and accommodation & Man and culture: an essay in changing anthropological interpretation, Am. Anthropol. Folk society: an anthropological application, Soc. Forces. Address: 133 W. Lake Dr, Edwardsville, Ill. 62025.

VOGET, PROF. LAMBERTA MARGARETTE, b. Salem, Ore., Aug. 1, 08. SOCIOLOGY. A.B., California, Los Angeles, 30, Ph.D., Berkeley, 43; A.M., Southern California, 33. Instr. & registr., Los Angeles Pacific Col., 30-35; from instr. to PROF. SOCIOLOGY & HIST., WHEATON COL.(ILL.), 35-. Vis. prof., Westmont Col., 66-67. Sociol. Asn; Hist. Asn; Soc. Study Social Probs; Soc. Sci. Study Relig. Publ: History of the waterfront of San Francisco. Address: Dept. of Sociology, Wheaton College, Wheaton, Ill. 60187.

VOGT, PROF. EVON Z(ARTMAN), b. Gallup, N.Mex., Aug. 20, 18; m. 41; c. 4. ANTHROPOLOGY. Ph.D., Chicago, 48. From instr. to PROF. ANTHROP., HARVARD, 48-. Fel., Center Adv. Study Behav. Sci., 56-57; mem. adv. panel anthrop., Nat. Sci. Found., 64-66. U.S.N.R., 42-45, Lt. Anthropol. Asn; Soc. Archaeol.; fel. Am. Acad. Arts & Sci.; Royal Anthrop. Soc. Gt. Brit. & Ireland. Social anthropology; culture change; primitive religion; middle American ethnology. Publ: Modern homesteaders, Harvard, 55; co-auth. Reader in comparative religion, Harper, 65; auth., Los Zinacantecos, Instituto Nacional Indigenista, Mex., 66. Address: Dept. of Anthropology, Harvard University, 430 William James Hall, Cambridge, Mass. 02138.

VOGT, DR. HAROLD W, Psychol, see 10th ed, Soc. & Behav. Vols.

VOGT, DEAN KARL EDWARD, b. Boston, Mass., Jan. 4, 30; m. 57; c. 2. LABOR ECONOMICS, INDUSTRIAL RELATIONS. B.S., Col. Holy Cross, 52, M.A., Syracuse, 57, Ph.D., 61. Instr. bus. & econ. statist., col. bus. admin., Syracuse, 58-60, asst. dean, 60-63, acting dean, 63-64, asst. prof. personnel & indust. rels., 61-63, chief party, Syracuse Univ-Agency Int. Develop. Mission. Sch. Admin. & Finance, Medellin, Colombia, 65-66; dir. instnl. studies & planning & asst. to pres., BOWLING GREEN STATE, 67-68, DEAN COL. BUS. ADMIN., 68-. Lectr., Inst. Admin., Colombia, 65-66. Admin. asst., State Conf. Econ. Ed., N.Y., 58, staff economist, 59. U.S.A., 52-54. Econ. Asn; Asn. Instnl. Res; Soc. Col. & Univ. Planning; Acad. Polit. & Soc. Sci; Asn. for Ed. Int. Bus. Impact of trade unionism on managerial decision making; analysis of labor markets. Address: 112 Hayes Hall, Bowling Green State University, Bowling Green, Ohio 43402.

VOIERS, DR. WILLIAM D(AWSON), b. Jeffersonville, Ind., Apr. 9, 23; m. 45; c. 3. PSYCHOLOGY. Fel., Texas, 49-50, Ph.D., 52. Res. psychologist, Crew Res. Lab., Randolph Air Force Base, Tex., 51-55; res. scientist psychol., Human Res. Unit I, Ft. Knox, Ky., 55-56; asst. prof., Louisville, 56-59; exp. psychologist, Tex. Instruments, Inc., 59-62; mem. res. staff, Sperry Rand Res. Center, 62-67; HEAD HUMAN COMMUN. SECT., TRACOR INC., 67-. U.S.A.A.F., 43-46, Lt. Psychol. Asn; Acoustical Soc; Soc. Ichthyol. & Herpet. Perception; communications; statistical methods. Publ: Perceptual criteria of speaker identity; Simulated bombing accuracy as a function of the proficiency structure of the B-29 bomb team. Address: 3100 Scenic Dr, Austin, Tex. 78703.

VOIGHT, ROBERT BURDGE, b. Chicago, Ill., June 8, 10; m. 44; c. 1. STATISTICS. B.S., Beloit Col., 31; Chicago, 31-32; U.S. Dept. Agr. Grad. Sch., 37-38. Statistician, Works Progress Admin., 34-40; U.S. Bur. Census, 40-54, chief field div. statist., 55-60; chief statist. ops., Michigan, 54-55, asst. to dir., Inst. Soc. Res., 60-64; SPEC. ASST. RES. & DEVELOP., U.S. BUR. CENSUS, 64-. Meritorious award, U.S. Dept. Commerce, 52. U.S.N.R., 43-46, Lt. Comdr. Statist. Asn; Nat. Planning Asn; Acad. Polit. & Soc. Sci. Large scale statistical operations; methodology of data collection and processing. Publ: Co-auth., U.S. poliomyelitis vaccine field trials, Univ. Michigan, 55; Program guidance thru evaluation of the uses of official statistics in the U.S. Int. Statist. Inst., 67; Availability of census data for urban areas, Hwy. Res. Bd., 67. Address: 5926 Frazier Lane, McLean, Va. 22101.

VOIGT, PROF. ALVI OSMOND, b. West Reading, Pa., June 9, 28; m. 50; c. 3. AGRICULTURAL ECONOMICS. B.S., Pa. State, 55, M.S., 57. Instr. exten. mkt., PA. STATE, 56-57, asst. prof., 57-63, ASSOC. PROF. AGR. ECON., 63-. Columnist, Florist & Nursery Exchange, 63-; writer & consult., Hort. Res. Inst., Inc., 64-66; contrib. ed., South. Florist & Nurserymen, 67-. Award, Exchange Hall of Fame, 62. U.S.N.A.F., 48-53, Res. 53-. Lt. Agr. Econ. Asn; Mkt. Asn. Commodities of floriculture, ornamental horticulture and forest products; efficient communication to commercial and consumer segments. Publ: Retail florists business analysis, Col. Agr. Pa. State Univ., 62; co-auth. Homeowner views of landscaping and nurserymen, 64 & Marketing of ornamental nursery stock, 65, Hort. Res. Inst., Inc. Address: Agricultural Economics Extension Section, Pennsylvania State University, Weaver Bldg., University Park, Pa. 16802.

VOIGT, DR. DAVID QUENTIN, b. Reading, Pa., Aug. 9, 26; m. 51; c. 2. SOCIOLOGY, ANTHROPOLOGY. B.S., Albright Col., M.A., Columbia, 49; D.S.S. (soc. anthrop.), Syracuse, 62. Teacher, high schs., N.Y., 50-56; ASSOC. PROF. hist., sociol. & anthrop., Millersville State Col., 56-63; assoc. prof. SOCIOLOGY & ANTHROPOL. & chmn. dept., Muskingum Col., 63-64; ASSOC. PROF., ALBRIGHT COL., 64-. Summers, Nat. Sci. Found. res. grant anthrop., Univ. Oregon, 64 & sci. & soc., Oak Ridge Inst. Nuclear Studies, 65. U.S.A.A.F., 44-46, Res. 48-, Maj. SocioI. Asn; Anthropol. Asn. Sociology of leisure. Publ: American baseball: from gentleman's sport to the commissioner system, Univ. Oklahoma, 66; America's leisure revolution, Albright Alumnus, 12/66. Address: Dept. of Sociology, Albright College, Reading, Pa. 19604.

VOLD, PROF. GEORGE B(RYAN), b. Platte, S.Dak., Oct. 5, 96; m. 25. SOCIOLOGY. B.S., S.Dak. State Col., 21; A.M., Chicago, 24; Ph.D., Minnesota, 30. Asst. prof. SOCIOLOGY, Macalester Col., 24-27; instr., MINNESOTA, MINNEAPOLIS, 27-30, asst. prof., 30-32, asst. prof., 32-37, from prof. to EMER. PROF., 37-. Soc. Sci. Res. Coun. fel., 31-32. Consult. & res. analyst, pub. safety div., U.S. Occup. Forces, Japan, 46-47. AAAS; Sociol. Asn. (co-ed, Rev., 44-46); Statist. Asn. Criminology; parole prediction; contemporary penology. Publ: Theoretical criminology. Address: 322 Prospect St, La Jolla, Calif. 92037.

- VOLGYES, DR. IVAN**, b. Budapest, Hungary, Aug. 25, 36; U.S. citizen; m. 63. **POLITICAL SCIENCE**. B.A. American Univ. 60, M.A. 61, Ph.D. (int. rela), 68. Lectr. hist. & polit. sci., Maryland, 61-65; instr. hist., Denison, 65-66; **POLIT. SCI., NEBRASKA, LINCOLN**, 66-67, ASST. PROF., 67- Consult, Am. Bibliog. Center, 66- Origins of Hungarian communism; Eastern European foreign policy; Soviet influences on the establishment of the Hungarian Soviet Republic. Publ: The Hungarian Soviet Republic: an evaluation and a bibliography, Hoover Instn, 68; ed, Hungary in revolution: 1918-1919, Univ. Nebraska, 69; Eastern Europe in a perspective of twenty years, World Affairs, 67. Address: Dept. of Political Science, University of Nebraska, Lincoln, Nebr. 68508.
- VOLIN, DR. LAZAR**, Econ, Agr. Econ, see 10th ed, Soc. & Behav. Vols, deceased 66.
- VOLKART, DR. EDMUND H.**, b. Aberdeen, Md, Nov. 9, 19; m. 49. **SOCIOLOGY**. A.B. St. John's Col. (Md), 39; M.A. Yale, 42, Ph.D. (sociol), 47. Instr. sociol, Syracuse, 46-47; Yale, 47-49, asst. prof, 49-54; Stanford, 54-55, assoc. prof, 55-60, prof, 60-62; dean sch. humanities & soc. sci., Oregon State, 62-63, dean faculty, 63-65; **EXEC. OFFICER, AM. SOCIOLOGICAL ASSN.**, 65-Res. assoc, grad. sch. ed, Harvard, 50-52. U.S.N.R., 42-45, Lt. Sociol. Assn. Social psychology and psychiatry; mass communication. Publ: Ed, Social behavior and personality; auth, Bereavement and mental health; co-auth, Resistance to change of group-anchored attitudes, Am. Soc. Rev. Address: 8403 Thornden Terr, Bethesda, Md. 20034.
- VOLKMANN, DR. FRANCES C.**, Exp. Psychol, Psychophysiol, see Suppl. V to 11th ed, Phys. & Biol. Vols.
- VOLKMANN, PROF. JOHN**, b. Sleepy Eye, Minn, June 20, 06; m; c. 1. **PSYCHOLOGY**. A.B. Harvard, 27, Austin fel, 28-29, A.M., 29, Sheldon traveling fel, 29-30, Ph.D., 31; Vienna, 29-30. Asst. psychol, Harvard, 27-28, instr. & tutor, 31-36, asst. dir. psychol. lab, 35-37; instr, Columbia, 37-42, 45-46; spec. res. assoc, Harvard, 42-45; assoc. prof, MT. HOLYOKE COL., 46-56, **PROF. PSYCHOL. & ED.**, 56-, **DIR. PSYCHOPHYS. RES. UNIT**, 58- Fulbright prof, Ankara, 52-53; Nat. Sci. Found. grants, 56- AAAS; fel. Psychol. Assn; Soc. Exp. Psychol; Sociophysics; visual perception; psychology of judgment; human engineering. Publ: Co-auth, Experiments on visual discrimination, Apparatus for the demonstration of operant behavior & Visual discrimination of perpendicularity, Am. J. Psychol. Address: Dept. of Psychology & Education, Mt. Holyoke College, South Hadley, Mass. 01075.
- VOLLE, DR. FRANK O(LIVER)**, b. Mt. Pulaski, Ill, Nov. 16, 27; m. 54. **CLINICAL PSYCHOLOGY**. B.S. Illinois, 50, M.S., 51; Washington State, 57-58; Ph.D. (clin. psychol), Denver, 60. Psychologist, State Dept. Pub. Instr, Ill, 51-56; intern clin. psychol, med. sch, Colorado, 59-60; chief psychologist, Denver Gen. Hosp, 60-63; **CHIEF CLIN. PSYCHOLOGIST, DENVER MENT. HEALTH CENTER**, 63- Private practice, 64- Consult, sch. med, Colorado, 64-; child study center, Univ. Denver, 65- U.S.A.F., 46-47, Sgt. Psychol. Assn. Stress produced blood pressure variation. Publ: Proposal for testing the limits of WISC verbal scale, J. Clin. Psychol. Address: 944 Milwaukee St, Denver, Colo. 80206.
- VOLLMAR, PROF. GLEN J.**, b. Grand Rapids, Ohio, Mar. 2, 20; m. 59; c. 5. **AGRICULTURAL ECONOMICS**. B.Sc. Ohio State, 54, M.Sc., 59, Ph.D., 63. Assoc. agent, Econ. Exten. Serv, 54-58, farm mgt. specialist, 59-62; economist, U.S. Dept. Agr, 62-64; **PROF. AGR. ECON, NEBRASKA, LINCOLN**, 64-, **CHMN. DEPT.**, 66- U.S.A., 51-53. Agr. Econ. Assn. Production economics; firm growth; cost size relationships in wheat production; operations research methods applied to agriculture. Address: Dept. of Agricultural Economics, University of Nebraska, Lincoln, Nebr. 68503.
- VOLLMER, DR. HOWARD M.**, b. Los Angeles, Calif, Mar. 18, 28; m. 52; c. 3. **SOCIOLOGY**. B.A. Stanford, 50, M.A., 51; Ph.D. California, 59. Personnel res. technician, U.S. Army Ord. Corps, 54-57; res. sociologist, inst. indust. rela, California, 57-58; **STANFORD RES. INST.**, 58-66, **MGR. ORGN. & MANPOWER STUDIES**, 66- U.S.A., 51-54, Sgt. Sociol. Assn. Industrial sociology; sociology of complex organizations; personnel research; management of scientific and professional personnel. Publ: Co-auth, Professionalization, Prentice-Hall, 66; auth, Employee rights and the employment relationship; Nuclear technology and the professionalization of labor, Am. J. Sociol. Address: Stanford Research Institute, Menlo Park, Calif. 94025.
- VOLPE, PROF. PAUL A(NTHONY)**, b. Can, Oct. 1, 15; nat; m. 43; c. 7. **FINANCE**. B.A. British Columbia, 39; fel, Washington (Seattle), 39-40; fel, Catholic Univ, 41-43, M.A., 41, Ph.D., 43. Prof. bus. admin, Carroll Col, 43-44; asst. prof, SEATTLE, 44-46, dean sch. commerce & finance, 46-66, **PROF. BUS. POLICY & MGT.**, 46- Mem. staff, regional off, War Stabilization Bd, 44-45; dep. regional dir, Off. Price Stabilization, 51-53. Finance & bus. mgt. consult. Mem. Governor's Bus. Adv. Coun, Wash; chmn. bd, Pac. Gen. Construct. Co. Mgt. Assn; Nat. Assn. Acct. International finance; governmental regulation of business; business policy and management. Publ: International financial crisis of 1931; Fundamentals of economics. Address: School of Commerce & Finance, Seattle University, Seattle, Wash. 98122.
- VOLSKY, PROF. THEODORE, JR.**, b. Pittsfield, Mass, June 12, 25; m. 50; c. 2. **PSYCHOLOGY**. B.S. Kansas State, 51, M.S., 52; fel, Minnesota, Minneapolis, 52-54, Ph.D. (psychol), 58. Asst. res. & counseling, Kansas State, 51-52; sr. student personnel worker & prin. investr. student counseling bur, Minnesota, Minneapolis, 54-58, asst. prof. psychol, 58-62, assoc. prof, 62, asst. dir. res. & develop, student counseling bur, 60-62; assoc. prof. **PSYCHOL. COLORADO**, 62-66, **PROF.**, 66-, **CHMN. GRAD. PROG. PERSONNEL SERV.**, 62-, **DIR. CENTER FOR STUDENT LIFE PROGS. & STUDIES & ASST. TO V.PRES. STUDENT AFFAIRS**, 67-, dir. dept. counseling & testing, 62-67, dir. Counsr-Adv. Univ. Summer Ed. Training Instn, 65. Res. grants, Hill Family, Kettering, Britt & Nat. Sci. Funds, U.S. Off. Ed. Col. Entrance Exam. Bd, Univs. Minnesota & Colorado & U.S. Depts. Labor & Commerce, 58- Summer vis. assoc. prof, Maryland, 59 & Utah State, 60. Consult. Vet. Admin. Hosp, Denver, Colo; Am. Col. Testing Progs; U.S. Food & Drug Admin. Off. Ed. & Depts. Commerce & Labor; Univ. Chicago; Col. Entrance Exam. Bd; Am. Coun. Ed. Dir, Nat. Eval. Prog. Plans for Progress, 66. Res. Award, Am. Personnel & Guid. Assn, 65. U.S.N.A.F., 43-46. AAAS; Psychol. Assn; Nat. Voc. Guid. Assn; Psychomet. Soc. Child and adolescent development; counseling technique; counseling and clinical practicum; research methods; statistics. Publ: Co-auth, Counseling and psychotherapy—theory and research, Univ. Minnesota, 65; auth, Evaluation vocational guidance institutes, Plans for Progress, Wash, D.C., 66; contrib, The results of counseling: twenty-five years later, Saunders, 65. Address: Dept. of Psychology, University of Colorado, Boulder, Colo. 80302.
- VOLTMER, PROF. HARRY W(ILLIAM)**, b. Aurelia, Iowa, Mar. 1, 01. **POLITICAL SCIENCE**. A.B. Iowa, 23, A.M., 25, Ph.D., 26. Asst. prof. **POLIT. SCI.**, DePAUW, 26-28, assoc. prof, 28-32, prof, 32-48, Hall prof. & head dept, 48-66, **EMER. PROF.**, 66- **Polit. Sci. Assn.** American political theory and political parties. Address: Dept. of Political Science, DePauw University, Greencastle, Ind. 46135.
- von **BECKERATH, DR. HERBERT**, Soc. Econ, Polit, see 9th ed, Soc. & Behav. Vols, deceased 66.
- von **BERTALANFFY, PROF. LUDWIG**, Biol, Psychol, see 11th ed, Phys. & Biol. Vols.
- von **CONRAD, PRENTICE G(ABRIEL)**, b. St. Louis, Mo, Oct. 15, 27; m. 60. **PSYCHOLOGY, SPEECH PATHOLOGY**. B.A. Houston, 52; M.A. Iowa, 55; M.S. Purdue, 59. Asst. develop. psychol, Purdue, 56-59; statist. consult. **HUMAN RELS. RES. FUND**, 59-60, **RES. PSYCHOLOGIST SOC. RES. & DESIGN**, 60- AAAS; Psychol. Assn; Personnel & Guid. Assn; Speech & Hearing Assn; Acad. Polit. & Soc. Sci. Psychopathology; development of counseling and evaluation techniques; audiology; exceptional children, especially mental retardation and psychological aspects of physical disability; development of instruments to measure social phenomena. Publ: Co-auth, Some current student attitudes toward presidential candidates of different categories (racial and religious), J. Psychol. Address: Human Relations Research Fund, P.O. Box 9034, Kansas City, Kans. 66109.
- von der **LIPPE, DR. ROBERT PAUL**, b. San Francisco, Calif, Jan. 1, 31; m. 60; c. 2. **SOCIOLOGY**. B.A. Stanford, 53, M.A., 58, Ph.D. (sociol), 62. Lectr. sociol, N.Y. Univ. Univ. Heights Campus, 62; Russell Sage Found. res. fel, Montefiore Hosp, New York, 62-63; assoc. sch. gen. studies & lectr, nursing faculty med. col. physicians, Columbia, 63-64; **ASST. PROF. SOCIOLOGY, BROWN**, 64- Nat. Insts. Health fel, N.Y. Hosp-Cornell Med. Center, 63-64. Consult, study of chiropractic in Calif, Stanford Res. Inst, 58. U.S.N., 53-56, Lt. (jg). Sociol. Assn. Social psychology; medical sociology; social organization. Publ: Co-auth, Discharge from hospital against medical advice, Soc. Sci. & Med. 67. Address: Dept. of Sociology, Brown University, Providence, R.I. 02912.
- VON DER MEHDEN, PROF. FRED ROBERT**, b. San Francisco, Calif, Dec. 1, 27; m. 54; c. 1. **POLITICAL SCIENCE**. B.A. Pacific (Calif), 48; M.A. Claremont Colls, 50; fel, Inst. Asian Studies, 56-57; Ph.D. California, 57. Asst. prof. polit. sci, Wisconsin, 57-63, assoc. prof, 63-67, prof, 67-68, chmn. E.Asian Studies Prog, 63-65, 67-68; **ALBERT THOMAS PROF. POLIT. SCI., RICE**, 68- Fulbright res. prof, Rangoon, Burma, 59-60; Univ. Wisconsin-Ford res. grant, Southeast Asia, 63. Mem. res. div, U.S. Agency Int. Develop, Thailand, 65-67, consult, U.S., 67- Secy, Midwest Conf. Asia, 60-61; v-pres, acting pres, 67-; mem. Southeast Asian Develop. Adv. Group, 67-; Am. Inst. Pac. Rels. Assn. Asian Studies; Polit. Sci. Assn. General field of comparative politics of developing areas, especially religion and politics in Southeast Asia. Publ: Religion and nationalism in Southeast Asia, Univ. Wisconsin, 63; Politics of the developing nations, 64 & co-auth, Issues in political development, 67, Prentice-Hall. Address: Dept. of Political Science, Rice University, Houston, Tex. 77001.
- VON EBERS, DR. PAUL J(OSEPH)**, b. Chicago, Ill, July 28, 21; m. 47; c. 10. **PSYCHOLOGY**. Ph.B. Loyola (Ill), 47, fel, 48-49, A.M., 51, Ph.D. (psychol), 61. Asst. **PSYCHOL. LOYOLA (ILL.)**, 47-48, instr, 49-54, **ASST. PROF.**, 54- Instr, Crane Br, Chicago City Jr. Col, 58- Psychologist, behav. clin, Cook County Criminal Court, 55-57; Adv. in Mgt, Inc, 57-58. U.S.A., 43-46. Theories of perception; perception of movement; psychophysics; experimental methodology and design; learning and learning theory. Address: 519 S. Oak Park Ave, Oak Park, Ill. 60304.
- von **ENGELN, PROF. O(SKAR) D(IETRICH)**, Geog, Geol, see 10th ed, Soc. & Behav. Vols, deceased 65.
- von **FELSINGER, DR. JOHN MICHAEL**, b. Akron, Ohio, Dec. 19, 20. **PSYCHOLOGY**. Ph.D. Yale, 48. **CHIEF PSYCHOLOGIST, MASS. GEN. HOSP.**, 52-; **RES. ASSOC. PSYCHIAT. HARVARD MED. SCH.**, 54- Dir, Boston Cmt. on Alcoholism, 58- Community mental health; industrial health and morale; psychopharmacology. Address: 44 Mt. Vernon St, Boston, Mass. 02108.
- VON FRANK, GEORGE O**, Econ, see 10th ed, Soc. & Behav. Vols.
- von **GLAHN, PROF. GERHARD E(RNST)**, b. Wiesbaden, Germany, May 26, 11; nat; m. 42; c. 2. **POLITICAL SCIENCE**. B.Sc. Columbia, 32, M.A., 35; Ph.D. (polit. sci), Northwestern, 39. Instr. polit. sci, Western Reserve, 39-41; polit. sci. & econ, MINNESOTA, DULUTH, 41-43, 46-47, assoc. prof, **POLIT. SCI.**, 47-51, **PROF. & HEAD DEPT.**, 51- U.S.A., 43-46, 1st Lt. Polit. Sci. Assn; Soc. Int. Law. International law; political theory; international relations; history of American utopian literature since 1790. Publ: Occupation of enemy territory; Law among nations (an introduction to public international law), Macmillan, 65. Address: 2105 Vermillion Rd, Duluth, Minn. 55803.
- von **HOHENBALKEN, PROF. BALDER**, Economet, see 10th ed, Soc. & Behav. Vols.
- VON HOLT, DR. HENRY W(ILLIAM)**, JR, b. Portland, Ore, June 8, 26; m. 54; c. 3. **PSYCHOLOGY**. A.B. Reed Col, 49; M.A. Oregon, 52; Ph.D. (psychol), Clark, 55. Asst. prof. **PSYCHOL.**, Oregon, 54-61; assoc. prof, Western Michigan, 61-67; **INSTR.**, STEPHENS COL., 67- Consult, Vet. Admin, 57-

- U.S.A.A.F, 44-45. Psychol. Asn. Concept-formation within framework of psychoanalytic theory; manifestations of need achievement under different conditions; problems in the interrupted-task technique. Address: Dept. of Psychology, Stephens College, Columbia, Mo. 65201.
- VON KUEGELGEN, DR. WERNER, b. Reval, Estonia, Oct. 27, 11; nat; m. 38, 60; c. 4. ECONOMICS. Dipl. Heidelberg, 33. Dr. rer. pol. 35. Economist, German Off. Price Admin. Berlin, 38-44; pub. acct. Munich, 45-48; mgr. Inst. Gen. Semantics, 48-53; financial analyst, Am. Radiator & Standard Sanit. Corp, 53-62, ops. researcher, 61-62, gen. secy, Manufacturas des Ceramica S.A., Colombia, 62-67, DEP. MANAGING DIR, IDEAL STANDARD ISI SANAYII A S ISTANBUL, TURKEY, 68- Inst. Gen. Semantics (treas); Econ. Asn; Acad. Polit. & Soc. Sci; Nat. Asn. Acct. History of economic theory; growth potential of enterprise; data integration research. Publ: War-economy and socialism. Address: c/o International Operations, American-Standard, 40 W. 40th St, New York, N.Y. 10018.
- von MERING, BARON OTTO, Econ, see 9th ed, Soc. & Behav. Vols, deceased 63.
- von MERING, DR. OTTO O, b. Potsdam, Germany, Oct. 21, 22; U.S. citizen; m. 54; c. 3. ANTHROPOLOGY. B.A. Williams Col, 43; Rockefeller Found. fel, Harvard, 50-51, Ph.D.(soc. anthrop), 56. Library asst, New York Pub. Library, 44-45; instr, Belmont Hill Sch, Mass, 45-47; sociol. & anthrop. Boston, 47-48; tutor & counsr. emotionally & intellectually retarded young adults, Mass, 48-50; res. asst, lab. soc. rels, Harvard, 50-51; Mass. Ment. Health Center, 51-53; Russell Sage Found. soc. sci. fel, 53-55; asst. prof. soc. anthrop, sch. med, PITTSBURGH, 55-60, ASSOC. PROF. DEPT. PSYCHIAT. & ANTHROP, 60-, PROF. ANTHROP, SCH. MED. & COL. ARTS & SCI, 65- Instr, Cambridge Jr. Col, 48-49, 51-52; Richard-Merton Gast prof, Heidelberg, 62-63; guest prof, Inst. Psychoanal. & Psychosom. Med, Frankfurt, Germany, 62-63; Fulbright vis. lectr, 62-63; res. lectr, Sigmund Freud Inst, 64; Maurice Falk Med. Fund training prog. develop. grant, 66-69. Mem. coord. cmt. int. dimensions-studies prog, Univ. Pittsburgh, 66-; continuing conf. psychiat. & med. ed, Am. Psychiat. Asn-Am. Asn. Med. Cols, 66-68; Joint Cmn. Ment. Health of Children, Inc, Md, 67-69. Fel. AAAS; fel. Acad. Psychosom. Med; fel. Anthropol. Soc; fel. Ethnol. Soc; fel. Geront. Soc; fel. Sociol. Asn; fel. Soc. Appl. Anthropol. sr. mem. Fedn. Clin. Res; Acad. Polit. & Soc. Sci; Pub. Health. Asn; Asn. Am. Med. Cols; Pop. Asn. Am; Soc. Sci. Study Relig; Soc. Study Social Probs; fel. German Soc. Social Med. Anthropomedical perspectives on aging and child development; patterns of affective disorders in ethnic families; culture context and value in clinical diagnosis and treatment; mental health manpower impact on care delivery systems. Publ: A grammar of human values, 61 & co-ed, Anthropology and the neighboring sciences and disciplines, 69, Univ. Pittsburgh; co-ed, Der Kranke in der modernen Gesellschaft, Köln, Kiepenheuer & Witsch, 67. Address: Western Psychiatric Institute & Clinic, University of Pittsburgh School of Medicine, 3811 O'Hara St, Pittsburgh, Pa. 15213.
- VON PEIN, DR. DONALD N(ICHOLAS), b. Richmond, Ind, June 10, 15; m. 41; c. 2. CLINICAL & EDUCATIONAL PSYCHOLOGY. B.S., Monmouth Col.(Ill), 37; M.A., Denver, 52, Ph.D., 54. Asst. secy, Chicago YMCA, 37-38; field exec, Boy Scouts Am, Ill, & Ind, 38-41; voc adv, Vet. Admin, Lincoln, Nebr, 46-51; COORDINATOR SPEC. ED, YAKIMA COUNTY COOP. PROG, 55-U.S.A., 41-46, Sgt. Psychol. Asn. Reading and perception problems; learning difficulties; character development through group process. Publ: If your child says, I don't like you, Parents Mag. Address: 108 Courthouse, Yakima, Wash. 98901.
- VON SANDER, DR. N(EWTON) K(ARL) A(DAM), b. Salamanca, N.Y., Mar. 14, 35; div; c. 1. EDUCATIONAL PSYCHOLOGY. A.B., Princeton, 57; summer, Grenoble, 58; Ed.M., Boston, 62, Nat. Defense Ed. Act fel. & Ed.D.(sch. psychol), 67. Teacher, Fay Sch, Inc, 57-62; psychologist, Wrentham State Sch, 63-64; lectr. ED, Boston, 64-65; ASST. PROF. COUNSR. ED, R.I. COL, 65-Consult, sch. psychologist, Wellesley Pub. Schs, 65- Psychol. Asn; Personnel & Guid. Asn. Relationship of personality variables to need aggressive materials; multiple learning difficulties of children. Publ: Multiple learning disabilities; a growing challenge, Your Schs, 67 & Communication through finger painting: the child's world, J. Ed, 67. Address: 131 Pembroke St, Boston, Mass. 02118.
- von SPAKOVSKY, PROF. ANATOL, b. Petersburg, Russia, Feb. 27, 95; nat; m. 48; c. 5. Ph.D., Ljubljana, 25; Nancy, 26. Prof. philos. & French, cols, Yugoslavia, 27-41; philos. univ. exten, Mühldorf, Germany, 48-50; World Univ. Serv. 50-51; asst. prof. sociol, German & Russian, Jacksonville State, 57-65; prof. humanities & sociol, Athens Col, 65-68 Soc. Phenomenology & Existential Philos; Royal Inst. Philos; Gen. Soc. Philos. Germany. Metaphysics; comparative philosophy and sociology; philosophy and sociology of culture; analytical psychology. Publ: Parallelism of dynamical development of self and culture, Bogdanov, Novi Sad, Yugoslavia, 41; Perspectives of culture in general and of west-European culture in particular, Unger Verlag, W.Berlin, 61; Freedom—determinism—indeterminism, M. Nijhoff's N.V., Netherlands, 63. Address: 208 S. Beatty St, P.O. Box 455, Athens, Ala. 35611.
- VON TUNGELN, PROF. GEORGE R(OBERT), b. Golconda, Ill, July 18, 31; m. 55; c. 4. AGRICULTURAL ECONOMICS. B.S., Southern Illinois, 51, M.S., 56. Asst. mgr. exp. farms, Southern Illinois, 51-52, asst. agr. econ, 55-56; Pa. State, 56-58; asst. prof. econ. & asst. agr. economist, CLEMSON, 58-59, assoc. prof. econ. & assoc. agr. economist, 59-64, ASSOC. PROF. AGR. ECON, 64- U.S.A., 52-54. Agr. Econ. Asn. Poultry, egg, fruit and vegetable marketing; agricultural policy; farm credit. Publ: Egg marketing exchange in Southern Illinois; Marketing methods for fowl; Marketing methods and handling losses, South Carolina watermelons. Address: Dept. of Agricultural Economics, Clemson University, Clemson, S.C. 29631.
- VON WITZLEBEN, DR. HENRY D(ETLEV), b. Oldenburg, Germany, Dec. 25, 96; nat; m. 57; c. 1. PSYCHIATRY. M.D., Bonn, Germany, 22. Clin. asst. prof. col. med, Illinois, 43-53; Langley Porter Clin, California, 53-56; ASSOC. CLIN. PROF. PSYCHIAT, SCH. MED., STANFORD, 56-; DIR. PRFNL. ED, VET. ADMIN. HOSP, 53- Am. Acad. Arts & Sci; fel. Psychiat. Asn; Am. Med. Asn; Ment. Hyg. Asn; Med. Library Asn; Asn. Hist. Med; Acad. Psychoanal; Swedish Soc. Hist. Sci. Clinical psychiatry; psychoanalysis; schizophrenia; history of psychiatry. Address: 575 Chaucer St, Palo Alto, Calif. 94301.
- von ZEMENSZKY, PROF. C(ARL) L(ADISLAS), b. Bicske, Hungary, Apr. 29, 14; nat; m. 53; c. 1. SOCIOLOGY, ECONOMICS. Dr. Sci. Pol, Franz Joseph Univ, Hungary, 43; Dr. Habil, Peter Pazmany Univ, 44; Dr. Jur, Queen Elizabeth Univ, Hungary, 46. Lectr. econ. inst. soc. & econ. studies, Budapest, 42-45; adv. & rep. Cent. Hungarian Bur, Germany, 46-49; adv. Int. Refugee Orgn, UN, 49-51; vis. prof, Hungarian Lit. & Sci. Soc, N.Y., 53-55; asst. prof. soc. sci. & econ, Del. State Col, 55-57; ASSOC. PROF. SOCIOL. & ECON, Rosemont Col, 57-59; ST. JOSEPH'S COL.(PA), 59- Sci. adv. & vis. prof, advert. div. in coop. with tech. div, Aachen Tech, 67-68. U.S. Rep, Hungarian Mus, Arch. & Library Asn. West. Europe, 61-65. Econ. Asn; Sociol. Asn; Am. Acad. Polit. & Soc. Sci; Soc. Econ. & Social Sci, Germany. Industrial and economic sociology; American labor movement; sociology of advertising. Publ: Social policy concepts of the Hungarian Constitution from 896 to 1940, Publ. Found, Inst. Soc. & Econ. Studies, Univ. Budapest, 44; Keynes' economy in need of List's ecology, Graf & Sons, 63; Evolution and changing character of the American labor movement, Berger und Söhne OHG, Horn, NO. Austria, 65 & 66. Address: 6394 Drexel Rd, Philadelphia, Pa. 19151.
- VOOR, JOSEPH H(ERMAN), b. Louisville, Ky, Oct. 9, 25. PSYCHOLOGY. B.A., St. Marys Col.(Ky), 46; M.A., Catholic Univ, 53, Ph.D.(psychol), 56. Instr. PSYCHOL, BELLARMINE COL, 55-57, asst. prof, 57-60, assoc. prof, 60-65, PROF, 65-, CHMN. DEPT, 57-, dir. guid, 55-62, housing, 61-64. Nat. Inst. Ment. Health res. grant, 63-64; Army Med. Res. Lab. res. contract, 67-68. Psychol. Asn; Personnel & Guid. Asn. Publ: Co-auth, Encounter, Vol. I & Identity, Vol. II, In: Being and becoming, Bruce, 66; auth, Subliminal perception and subception, J. Psychol, 41: 437; Group guidance in Catholic high schools, Nat. Cath. Guid. Conf. J, 10: 167. Address: Dept. of Psychology, Bellarmine College, Louisville, Ky. 40205.
- VOORHIES, PROF. E(DWIN) C(OBLENTZ), Agr. Econ, see 10th ed, Soc. & Behav. Vols.
- VOORHIS, DR. THELMA G, b. Delhi, Iowa, Dec. 19, 98; m. 29; c. 2. PSYCHOLOGY. B.S., Columbia, 26, M.A., 27, Ph.D., 31. Psychologist, bur. child guid, bd. ed, New York, 46-50; sch. psychologist, juvenile welfare bd, Pinellas County, 50-52, bd. pub. instr, 52-64; CONSULT. PSYCHOLOGIST, 64- Private consult, 26- Fel. Psychol. Asn; Nat. Rehab. Asn. Child development; educational research. Publ: Relative merits of cursive and manuscript writing. Address: 1923 17th Ave. N, St. Petersburg, Fla. 33713.
- VOOTS, DR. RICHARD J(OSEPH), Acoustics, see 11th ed, Phys. & Biol. Vols.
- VORE, GREGORY P(ARDE), b. Rock Grove, Ill, May 18, 20; m. 40; c. 2. ECONOMICS. B.A., Denver, 48, M.A., 49. Indust. analyst, Tenn. Valley Authority, 49-51; economist, U.S. Bur. Budget, 51-53; statistician, Nat. Sci. Found, 54-56; economist, C-E-I-R, Inc, 56-61; Rand Corp, 61-63; ops. res. analyst, Aerospace Corp, 63-65; SR. ECONOMIST, LOCKHEED AIRCRAFT INT, 65- U.S.A.A.F, 44-45. Econ. Asn. Address: 4701 Paseo de los Tortugas, Torrance, Calif. 90505.
- VORHAUS, DR. PAULINE G(ROSSMAN), b. New York, N.Y., Oct. 23, 96; m. 19; c. 2. PSYCHOLOGY. A.B., Barnard Col, 18; B.Lit, Columbia, 35, Ed.D., 50. Clin. psychologist, reading inst, N.Y. Univ, 43-49; SUPVRY. CLIN. PSYCHOLOGIST, REGIONAL OFF, VET. ADMIN, 50- Dipl. Am. Bd. Exam. Prnl. Psychol. Fel. Psychol Asn; Orthopsychiat. Asn; fel. Soc. Proj. Tech. Projective testing; psychotherapy. Publ: The structured interview, In: Variations in projective tests; Use of the Rorschach in preventive mental hygiene, J. Proj. Tech; Spotting and stopping the inner saboteur, Psychoanal. Rev, Vol. 53, No. 3. Address: 155 W. 68th St, New York, N.Y. 10023.
- VORIS, DEAN WILLIAM, b. Neoga, Ill, Mar. 20, 24; m. 49; c. 2. BUSINESS MANAGEMENT. B.S., Southern California, 47, M.B.A., 48; Ph.D.(mgt), Ohio State, 51. Asst. prof. mgt, Washington State, 50-52; Los Angeles State Col, 52-59, prof. & chmn. dept, 59-63; DEAN COL. BUS. & PUB. ADMIN, ARIZONA, 63- Vis. prof, Tehran, 58-59; American Univ, Beirut, 61-62. Consult, King Abdulaziz Univ, Saudi Arabia, 66. U.S.N., 42-44. Fel. Acad. Mgt. Production; administrative management. Publ: Production control, text & cases; Management of production; Production control, text & cases, Irwin, 3rd ed, 66. Address: College of Business & Public Administration, University of Arizona, Tucson, Ariz. 85721.
- VOROSMARTY, DR. MICHAEL, b. Galanta, Hungary, Oct. 16, 11; nat; m. 41; c. 5. ECONOMICS. Dr. Pol. Sci, Franz Joseph Univ, Hungary, 37. Revisor, Ministry Commerce, Hungary, 37-38; staff mem, econ. dept, Hungarian Prime Minister's Off, 39-43; econ. adv, Asn. Hungarian Mfrs, 43-45; RES. TECHNICIAN, WYANDOTTE CHEMS. CORP, 51- Econ. Asn. International economy; investment; history of economic analysis. Address: 29651 E. River Rd, Grosse Ile, Mich. 48192.
- VORZIMMER, DR. PETER JAMES, b. New York, N.Y., May 7, 37; m. 57, 66; c. 2. HISTORY & PHILOSOPHY OF SCIENCE. B.S., California, Santa Barbara, 58; dipl. hist. & philos. of sci, Cambridge, 59, Ph.D.(hist. of sci), 63. Asst. prof. HIST. OF SCI, Washington (Seattle), 63-66, res. assoc. prof, Houston, 66-67, ASSOC. PROF, TEMPLE, 67- Lectr. Nat. Sci. Found. Summer Inst, North. Mich. Col, 59; Cambridgeshire Col. Arts & Tech, 62-63; Am-Scandinavian Found. Thord-Gray fel, Uppsala, 68-69. Hist. Sci. Soc; Soc. Hist. Tech. History of biology; history of American aeronautics and space efforts. Publ: Charles Darwin and the theory of natural selection, Univ. Pennsylvania, 69; co-auth, Project Gemini: a chronological history, Govt. Printing Off, 68; auth, Charles Darwin and blending inheritance, Isis, 63. Address: Dept. of History, Temple University, Philadelphia, Pa. 19122.
- VOSBURG, DR. ROBERT LOUIS, b. Detroit, Mich, June 8, 26; m. 48; c. 4. PSYCHIATRY. B.S., Mich. State, 47; M.D., Chicago, 51. Nat. Inst. Ment. Health fel, Pittsburgh, 57-59, asst. prof. PSYCHIAT, 59-63; prof. & chmn. dept, West Virginia, 63-67; ASSOC. PROF, DARTMOUTH, 67- U.S.N.R., 44-

45, 52-54, Lt. Fel. Psychiat. Asn; Col. Psychiat. Psychoanalysis; community development. Address: Dept. of Psychiatry, Dartmouth College, Hanover, N.H. 03755.

VOSE, PROF. CLEMENT E(LLERY), b. Caribou, Maine, Mar. 18, 23; m. 47; c. 2. POLITICAL SCIENCE. B.A., Maine, 47; M.A., Wisconsin, 49, Ph.D. (polit. sci.), 52. Proj. mgr. tech. assistance teams in collective bargaining, Wisconsin & Mutual Security Agency, 51-52; instr. govt. Beloit Col., 52-53; asst. prof. polit. sci., Western Reserve, 53-55; assoc. prof. govt. & dir. bur. res. in munic. govt., Bowdoin Col., 55-58; assoc. prof. GOVT, WESLEYAN, 58-61, PROF., 61-, J.E. ANDRUS PROF., 65-, CHMN. DEPT., 61-63, 64-67, 68- Rockefeller Found. res. grant, Yale Law Sch., 58-59. U.S.A., 43-46. AAAS; Polit. Sci. Asn; Int. Polit. Sci. Asn. Constitutional law; interest groups: political process; research methods and reference books. Publ: Caucasians only: the Supreme Court, the NAACP and the restrictive covenant cases: Litigation as a form of pressure group activity; Reference materials in the social sciences, Int. Encyclop. Soc. Sci., 68. Address: 20 Miles Ave., Middletown, Conn. 06457.

VOSE, DR. DAVID A., b. Burnee, Ill., Jan. 9, 37; m. 63; c. 1. ECONOMICS. B.S., Illinois, 58; Knapp Found. fel. Wisconsin, 61, univ. fel., 62, Ph.D. (agr. mkt), 66. Res. asst. dairy mkt. res., Wisconsin, 63-65, instr. ECON, 65-66; ASST. PROF., MINNESOTA, DULUTH, 66- Consult, Stanford Res. Inst., South. Calif. Labs., 67-68. U.S.A., 58-60, Res., 60-65, Capt. Agr. Econ. Asn; Econ. Asn. Agricultural economics; marketing of dairy products. Publ: Co-auth. Organization and competition in the midwest dairy industries, Iowa State Univ. (in press). Address: Dept. of Economics, University of Minnesota, Duluth, Minn. 55812.

VOSS, DR. HARWIN L., b. Indianapolis, Ind., Dec. 11, 31; m. 54; c. 4. SOCIOLOGY. B.A., N.Cent. Col. (Ill.), 54; M.S., Wisconsin, Madison, 56, Ph.D. (sociol.), 61. Instr. SOCIOL., Wisconsin, Madison, 58; Hawaii, 58-60, asst. prof., 60-61; Portland State Col., 61-62; asst. to assoc. prof., San Diego State Col., 62-65; ASSOC. PROF., KENTUCKY, 65- Dir. Hawaii drinking patterns surv., Honolulu Liquor Cmn. grant, 60-61; investr., delinquency, dropout & soc. milieu of the sch., 63-69; lectr., summer inst. elem. & sec. teachers disadvantaged youth, Nat. Defense Ed. Act Inst., Calif., 65. Consult, Ky. training plan for Ky. village cottage parents, 66. Sociol. Asn; Soc. Study Social Probs. Criminology and deviant behavior; relation of school experiences, dropout and delinquency. Publ: The predictive efficiency of the Glueck Social Prediction Table, J. Criminal Law, Criminol. & Police Sci., 12/63; co-auth. Some types of high school dropouts, J. Ed. Res., 4/66; auth. Pitfalls in social research: a case study, Am. Sociologist, 5/66. Address: Dept. of Sociology, University of Kentucky, Lexington, Ky. 40506.

VOSS, PROF. JAMES F (REDERICK), b. Chicago, Ill., Dec. 5, 30; m. 53; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A., Valparaiso, 52; M.S., Wisconsin, 54, Ph.D. 56. Instr. PSYCHOL., Wis. State Col., 56-57, asst. prof., 57-58; asst. prof., Col. Wooster, 58-61, assoc. prof., 61-63; PITTSBURGH, 63-66, PROF., 66-, CHMN. DEPT. 68- Prin. investr., Nat. Inst. Ment. Health grants, 58, 60-68. AAAS; Psychol. Asn. Verbal processes. Address: Dept. of Psychology, University of Pittsburgh, Pittsburgh, Pa. 15213.

VOSS, DR. JOSEPH ELLIS, b. Philadelphia, Pa., Jan. 24, 98; m. c. 2. SOCIAL PSYCHOLOGY. B.S., Pennsylvania, 25, M.A., 27, Ph.D. (sociol.), 41. LL.B., Temple, 36. Prof. psychol. & head dept., Col. of Chestnut Hill, 29-38; asst. prof. sociol., Pennsylvania, 38-42; guid. counsr., Phila. Bd. Pub. Ed., 44-46; LECTR. SOCIOL., ROSEMONT COL. & Villanova, 67- U.S.A., 18-19, 42-44, Capt. AAAS; Psychol. Asn; Sociol. Asn. Educational and vocational guidance; community studies of urban peripheral areas; sociology of education. Address: 306 Canterbury Rd., Chatham Village, Havertown, Pa. 19083.

VOTAW, DR. DAVID (FREEMAN), JR., Math, see 11th ed, Phys. & Biol. Vols.

VOTH, DR. ALBERT C(ORNELIUS), b. Oraibi, Ariz., Oct. 10, 95; m. 22, 32; c. 3. PSYCHOLOGY. A.B., Bethel Col., 22; M.A., Kansas, 35, Ph.D. (psychol.), 38. Consult. psychologist, Topeka State Hosp., Kans., 38-48; DIR. PSYCHOL. SERVS., CLARINDA MENT. HEALTH INST., 48- Instr., Washburn Munic. Univ., 45-47. Dipl., Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn. Personality structure; perception; psychopathology. Experimental study of mental patients through the autokinetic phenomenon, Am. J. Psychiat., 47; Group therapy with hospitalized alcoholics—a twelve year study, 63 & Autokinesis and alcoholism, 65, Quart. J. Studies Alcohol. Address: Mental Health Institute, Clarinda, Iowa 51632.

VOTH, DR. ALDEN H(ARRY), b. Goessel, Kans., May 4, 26; m. 56; c. 2. INTERNATIONAL RELATIONS. B.A., Bethel Col. (Kans.), 50; M.S., Iowa State, 53; Ph.D., Chicago, 59. Assoc. prof. polit. sci., chmn. div. soc. sci. & dir. summer sch., Upland Col., 60-63; asst. prof. POLIT. SCI., SAN JOSE STATE COL., 63-68, ASSOC. PROF., 68- Vis. asst. prof., American Univ., Cairo, 65-67, summer res. grant, 66; participant, Am. Polit. Sci. Asn. African tour & seminar, summer, 66. Polit. Sci. Asn; Acad. Polit. Sci. Relationship between empirical data and theoretical models; international organization. Publ: American higher education: an appraisal from Cairo, Dialectic; Vietnam: studying a major controversy, J. Conflict Resolution, 12/67; Portugal in Africa; Angola and Mozambique, Contemporary Rev., 3/68. Address: Dept. of Political Science, San Jose State College, San Jose, Calif. 95114.

VREDENBURG, PROF. HARVEY L., b. Stanwood, Mich., May 13, 21; m. 43; c. 2. BUSINESS ADMINISTRATION, MARKETING. B.S., Central Michigan, 52; M.A., Mich. State, 52; D.B.A. (bus. admin., mkt), 56. Salesman, Gamble Stores, 41 & 46; home improvement contractor, 47-51; teaching assoc., Indiana, 54-55; asst. prof., Iowa, 55-60; assoc. prof. bus. admin., COLORADO STATE, 60-63, PROF. BUS. ADMIN. & CHMN. MKT. AREA, 63-, res. of retailing in Ft. Collins, 62-63. Private trading stamp study, 58; Found. Funds Indianapolis trading stamp study, Indiana Univ., 55-57. Mem. res. proj., Am. Petrol. Inst., 58-59. U.S.A., 42-45. Retailing. Publ: Co-auth. A historical economic and statistical study of the electrical sign industry, Nat. Elec. Sci. Asn. 67, The value of trading stamps as measured by retail prices, J. Retailing, fall 65 & How an industry learns about itself, Sign & Display Indust., 6/66. Address: College of Business, Colorado State University, Ft. Collins, Colo. 80521.

VREELAND, DR. HERBERT H(AROLD), III, b. New York, N.Y., May 21, 20; m. 46. SOCIAL ANTHROPOLOGY. B.A., Yale, 41, Ph.D. (anthrop), 53; fel., Hopkins, 49-50, 50-52. Lectr. Mongol Proj., Hopkins, 50-52; Soc. Sci. Res. Coun. res. fel., Pakistan, 53-54; lectr. soc. anthrop., Harvard, 54-55; dep. chief for area studies div., American Univ., 55-67; DIR. FOR. AREA RES. PROG., HUMAN SCI. RES., INC., McLEAN, VA., 67- U.S.A., 41-46. Fel. Anthrop. Asn. Kinship; community studies; country and area analysis; direct area handbook program. Publ: Ed., Iran; auth. Mongol community and kinship structure, Behav. Sci. Monogr; Pathan, Int. Encyclop. Britannica. Address: 6508 Ridge Dr., Washington, D.C. 20016.

VROOM, PROF. VICTOR H(AROLD), b. Montreal, Can., Aug. 9, 32; m. 56. SOCIAL PSYCHOLOGY. B.Sc., McGill, 53, M.Sc., 55; fel., Michigan, 55-56, Ph.D. (psychol.), 58. Asst. study dir., inst. soc. res., Michigan, 56-58, study dir., 58-60, lectr. psychol. univ., 58-60; asst. prof., Pennsylvania, 60-63; asst. soc. prof., INDUST. ADMIN. & PSYCHOL., CARNEGIE-MELLON UNIV., 63-66, PROF., 66- Fulbright lectr., U.K., 67-68. Mem. Int. Cong. Psychol. Awards, Ford Found., 59 & McKinsey Found., 67. Psychol. Asn. Organizational behavior; motivation; group processes. Publ: Work and motivation, Wiley, 64; Methods of organizational research, Univ. Pittsburgh, 67; Motivation and management, Am. Found. Mgt. Res., 65. Address: Graduate School of Industrial Administration, Carnegie-Mellon University, Pittsburgh, Pa. 15213.

VUCHICH, DR. MILLAN IVKO, b. Omashica, Yugoslavia, May 9, 23; U.S. citizen; m. 49; c. 2. ECONOMICS. Int. Refugee Orgn. fel., Kiel, 58-59; B.S., Pittsburgh, 60, M.A., 61, fel. & Ph.D. (urban econ), 65. Standard cost acct., H.J. Heinz Co., Calif., 51-54; head standard cost dept., 54-56, cost estimator, Pa., 56-63; asst. prof. ECON., WIS. STATE, OSHKOSH, 64-67, ASSOC. PROF., 67-, CHMN. DEPT. URBAN AFFAIRS & ACTING DIR. BUR. URBAN & REGIONAL RESEARCH, 68- Wis. State Univ. Bd. Regents res. grant, 65-66. Econ. Asn; Economet. Soc; Regional Sci. Asn. Urban affairs studies; economics of housing improvement; comparative economic systems and regional development; information systems and their feasibility in government business and education. Address: Dept. of Urban Affairs, Wisconsin State University, Oshkosh, Wis. 54901.

VUCINICH, PROF. ALEXANDER, b. Wilmington, Calif., Oct. 23, 14; m. 42; c. 2. SOCIOLOGY, CULTURAL ANTHROPOLOGY. Soc. Sci. Res. Coun. grant, 46-48; fel., Stanford, 48-49; Ph.D. (sociol. & cultural anthrop.), Columbia, 50. Asst. prof. SOCIOL., San Jose State Col., 50-54, assoc. prof., 54-58, PROF., 58-64; ILLINOIS, URBANA, 64- Res. assoc., Stanford, 52-53; Soc. Sci. Res. Coun. grant, 58-59; Am. Coun. Learned Soc., grant, 61-62; Am. Philos. Soc. grant, 62. U.S.A., 43-46, Capt. Sociol. Asn; Anthropol. Asn. Union of Soviet Socialist Republics; social organization and change. Publ: Science in Russian culture: a history to 1860, Stanford, 63; Soviet economic institutions, the social structure of production units; Soviet Academy of Sciences. Address: Dept. of Sociology, University of Illinois, Urbana, Ill. 61801.

UICICH, DR. GEORGE, b. Chisholm, Minn., Nov. 12, 25; m. 47; c. 3. URBAN GEOGRAPHY. B.A., Iowa, 50, M.A., 55, Ph.D., 60. Instr. geog., Iowa, 52-55, 59-60; asst. prof., Western Michigan, 55-58; Wis. State, Eau Claire, 60-65; ASSOC. DIR., HIGH SCH. GEOG. PROJ., 65- U.S.A.A.F., Sgt. Asn. Am. Geog. Application of statistical techniques to urban geography; geography of the Soviet Union; geography education. Address: High School Geography Project, Box 1095, Boulder, Colo. 80302.

VUKASIN, PROF. PETER N(ICHOLAS), b. Oakland, Calif., May 24, 20; m. 48. ECONOMICS. A.B., California, 41, fel., 46-48, Ph.D. (econ), 51. Lectr. econ., California, 48-49; asst. prof., Illinois, 49-51; econ. consult., Robert R. Nathan Assocs., Rangoon, Burma, 51-53; Soc. Sci. Res. Coun. fel. labor force, South. Rhodesia & Africa, 53-55; asst. prof. ECON., CORNELL, 55-57; assoc. prof., STATE UNIV. N.Y. BINGHAMTON, 57-61, PROF., 61- U.S.C.G., 41-46, Capt. Econ. Asn; Econ. Hist. Soc. Economic history; economic growth and development; history of economic thought. Publ: National income of Burma, 1950-51; Study of Davenport's method. Address: Dept. of Economics, State University of New York at Binghamton, Binghamton, N.Y. 13901.

VYGANTAS, DR. PETER VYTAUTAS, Psychol., see 10th ed, Soc. & Behav. Vols.

VYMETALIK, HENRY, b. Prerov, Czech, Feb. 22, 17; nat; m. 62; c. 2. ECONOMICS. B.A., Dijon, 35; J.U.C., Prague Univ., 37; cert., Paris, 37; int. fel., 39-40; int. exchange fel., Clark, 37-38. Instr. French, Prague High Sch., Czech, 35-37; officer treas., Czech. Govt., 39-40, 44-45; ed. Terre d'Europe, Paris, 40; transl. ed. & asst. to press attaché, Am. Embassy, Prague, 46-47; transl., soc. sci. analyst & br. chief, for. manpower res. off., U.S. Bur. Census, 52-59; transl. & res. worker, U.S. JOINT PUB. RES. SERV. BUR. STANDARDS, COMMERCE DEPT., 60-61, SR. RES. ASSOC., ED. 61-, ED. 65- Czech. Army, 41-44. AAAS; Statist. Asn; Sociol. Asn; Am. Soc. Int. Law; Pop. Asn; Acad. Polit. & Soc. Sci. Law; international affairs; demographic statistics; social sciences. Address: 6310 Bells Mill Rd., Bethesda, Md. 20034.

W

WAANANEN, DR. MARTIN V., b. Mich., Sept. 2, 26; m. 51; c. 2. AGRICULTURAL ECONOMICS. B.S., Mich. State, 50; M.S., Illinois, 52, Ph.D. (agr. econ), 58. Asst. agr. econ., Illinois, 51-53; asst. agr. economist, Arizona, 53-54; from asst. prof. agr. econ. & asst. agr. economist to assoc. prof. agr. econ. & assoc. agr. economist, WASHINGTON STATE, 54-68, PROF. AGR. ECON. & AGR. ECONOMIST, 68- Fulbright res. award, Finland, 62-63. Agr. Econ. Asn; Forestry. Asn; Int. Asn. Agr. Econ. Agricultural marketing. Address: Dept. of Agricultural Economics, Washington State University, Pullman, Wash. 99163.

WACHMAN, PRES. MARVIN, Am. Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WACHS, DR. MELVIN W(ALTER), b. Detroit, Mich., Dec. 5, 30; m. 53. POLITICAL SCIENCE. B.A., Michigan, 52, fel. & M.A., 54; Cornell, 54-56, Ford

- Found. fel, 56-58; Soc. Sci. Res. Coun. fel, Chicago, 55; dipl. Indust. Col. Armed Forces, 60 & 62; Ph.D.(int. rels), American Univ, 68. Asst. govt. Cornell, 54-56, assoc. Cornell Res. Center, Bangkok, Thailand, 57-58; asst. prof. polit. sci. & chmn. Far East-S. Asia prog, Western Michigan, 59-62; assoc. dir. mgt. insts, U.S. Civil Serv. Cmn, 62-64, assoc. dir. ed. resources, 64-66; mgt. info. systs. coordinator & soc. sci. adv. off. planning, NAT. INST. MENT. HEALTH, U.S. PUB. HEALTH SERV, 66-67, PLANNING-PROG-BUDGETING COORDINATOR & ACTING CHIEF PLANNING BR, OFF. PROG. PLANNING & EVAL, 67- Dir. Community Develop. Proj, Groton, N.Y., 55-56; observer, UNESCO Econ. Conf. for Asia & Far East, Bangkok, 57; Carnegie Corp. grant, Inst. Regional Studies, 60-61; mem. staff, panel on sci. & tech. manpower, President's Sci. Adv. Cmt, 63-65; vis. prof. adv. prog. govt. studies, Univ. Oklahoma, 65-; lectr, U.S. Dept. Agr. Grad. Sch, 65-; mem. staff, Presidential Task Force Career Adv, 66-67; vis. prof, State Univ. N.Y., 67- Int. trade & polit. consult, 60-; consult, Off. Sci. & Tech, Exec. Off. President, 64-; Am. Soc. Pub. Admin, 65-66; overseas progs, Ford Found, 66- Mem. Econ. Cmn. Asia & Far East, Thailand, 57; UN Tech. Assistance Cmt, 59-62, spec. asst. to dep. dir. UN Econ. Soc. & Cultural Cmt, 61-; mem. Joint Govt. Task Force Eng. Ed, 64-66. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. National security affairs; international development and relations; public health administration and planning; science policy and administration. Publ: Co-auth, Thailand: its people and its culture, The Non-Western World: an anthology & Self and career advancement in federal service, 67. Address: Office of Program Planning & Evaluation, National Institute of Mental Health, U.S. Public Health Service, Washington, D.C. 20203.
- WACHSLER, DR. ROBERT ALLEN, b. New York, N.Y., Jan. 4, 34; m. 60; c. 1. INDUSTRIAL & EXPERIMENTAL PSYCHOLOGY. B.S. City Col. New York, 55; fel, Ohio State, 56-58, M.A., 57, Ph.D. 58. Sr. res. psychologist, tech. center, Gen. Motors Corp., 58-61; res. acct. supvr. consumer psychol, BATTEN, BARTON, DURSTINE & OSBORN, INC, 61-63, assoc. res. dir, 63-64, sr. assoc. res. dir, 64-65, V. PRES, 65-, DIR. RES, 68-, res. mgr, 66-68. Psychol. Asn. Consumer psychology; advertising research; research management. Publ: Co-auth, The repetition of advertising, Batten, Barton, Durstine & Osborn, 67; auth, Driver judgments of relative car velocities, J. Appl. Psychol. & Analysis of some factors influencing seat comfort, Ergonomics. Address: Batten, Barton, Durstine & Osborn, Inc, 383 Madison Ave, New York, N.Y. 10017.
- WACHTEL, DR. PAUL L(AWRENCE), b. New York, N.Y., July 28, 40; m. 66. PSYCHOLOGY. B.A. Columbia, 61; U.S. Pub. Health Serv. fel, Yale, 61-65, M.S. 63, Ph.D.(psychol), 65. INSTR. PSYCHIAT, STATE UNIV. N.Y. DOWN-STATE MED. CENTER, 65- Psychol. Asn. Anxiety and psychological defenses; psychotherapy and psychodiagnostics; hypnosis; psychodynamic aspects of social issues; attention and cognitive style. Publ: Conceptions of broad and narrow attention, Psychol. Bull, 67; Anxiety, attention and coping with threat, J. Abnorm. Psychol, 68; Style and capacity in analytic functioning, J. Personality, 68. Address: Dept. of Psychiatry, State University of New York Downstate Medical Center, 450 Clarkson Ave, Brooklyn, N.Y. 11203.
- WACHTEL, SIDNEY B(ARNETT), b. New York, N.Y., Jan. 3, 18; m. 47; c. 2. ECONOMICS. B.S. N.Y. Univ, 39, M.A., 41. Economist, Off. Price Admin, 42-43; 46-47; statistician & economist, U.S. Post Office Dept, 47; economist, int. econ. U.S. Treas. Dept, 47-59; economist & invest. broker, Laidlaw & Co, 59-60; dir. invest. adv. dept, A.T. Brod & Co, 60-61; PRES. & CHMN. BD, WACHTEL & CO, INC, 61- U.S.A.A.F. 43-46. Econ. Asn; Statist. Asn; Financial Anal. Fedn. Investment banking, security analysis and economics. Address: 7315 Stafford Rd, Hollin Hills, Alexandria, Va. 22307.
- WACK, DUNSTAN J(OHN), O.S.B, b. Council Bluffs, Iowa, Nov. 28, 16. PSYCHOLOGY. B.Sc. St. Benedict's Col, 40; M.A. Montreal, 48; Ph.D. Catholic Univ, 52. From instr. to PROF. PSYCHOL. & ED, CHMN. DEPT. PSYCHOL. & CLIN. PSYCHOLOGIST, ST. BENEDICT'S COL, 51- Psychol. Asn. Relation of religion and psychiatry; psychotherapy; general psychology. Publ: Psychological study of conscience, Study Psychol. Psychiat, Vol 8, 3; The psychological roots of loyalty, Psychol. Aspects Spiritual Develop, 64; L'image de Dieu en psychotherapie, Les Cahiers de Psychologie Religieuse, 67. Address: Dept. of Psychology, St. Benedict's College, Atchison, Kans. 66002.
- WACKER, DR. PETER O(SCAR), b. Orange, N.J., Aug. 7, 36; m. 62; c. 1. GEOGRAPHY. B.A. Montclair State Col, 59; M.A. La. State, 61, Gottlieb fel. & Ph.D.(geog), 66. Instr. GEOG, La. State, 62-64; RUTGERS, 64-66, ASST. PROF, 66-, univ. res. coun. grant, 67-68. Asn. Am. Geog; Am. Geog. Soc; Nat. Coun. Geog. Ed. Cultural and historical geography of North America and western Europe; geography in education. Publ: The Musconetcong Valley of New Jersey, a historical geography, Rutgers, 68. Address: Dept. of Geography, Rutgers, The State University, New Brunswick, N.J. 08903.
- WADDELL, DR. JACK O, b. Council Bluffs, Iowa, Mar. 23, 33; m. 59; c. 3. CULTURAL ANTHROPOLOGY. A.B., Kansas, 55; M.A. Texas, 62; Ph.D. (anthrop), Arizona, 66. Instr. ANTHROP, Southeast Mo. State Col, 62-63; ASST. PROF, PURDUE, 66- U.S.N. Anthropol. Asn. American Indians of North and Middle America; comparative religious systems; ethnological theory; psychological anthropology. Publ: Papago Indians at work: a role compatibility study, (anthrop. monogr), Univ. Arizona, 68; From dissonance to consonance and back again: Mexican Americans and correctional processes in a southwest city, Proc. Am. Ethnol. Soc, 68. Address: Dept. of Sociology, Purdue University, Lafayette, Ind. 47907.
- WADE, DR. EDWARD A(LEXANDER), b. Cleveland, Ohio, Dec. 14, 21; m. 58. EXPERIMENTAL PSYCHOLOGY. A.B. San Diego State Col, 49; M.A. Oregon, 51; Ph.D. Wisconsin, 55. Asst. psychol. Oregon, 49-51; Wisconsin, 51-55; res. assoc. cross-discipline team, Tufts, 55-58, res. assoc. inst. appl. exp. psychol. & instr. psychol. col. spec. studies, 58-62; human factors scientist, Link Div, Gen. Precision Inc, N.Y., 62; asst. prof. PSYCHOL, MAINE, 62-64, ASSOC. PROF, 64- Lectr, 59-; summers, asst. San Diego State Col, 50; Antioch Col, 55. Consult, Raytheon Mfg. Co, Mass, 58; Wright Air Develop. Center, Ohio, 58. Psychol. Asn; Human Factors Soc. Statistics and experimental design; sensory and industrial psychology; experimental analysis of behavior; perceptual processes; human factors. Publ: Co-auth, Literature survey on human factors in visual displays, Air Force Air Res. & Develop. Center, 6/61; Vigilance, fatigue and stress in air surveillance: SAGE, Electronic Syst. Div. Tech. Report, 61; Effects of chlorpromazine on a brightness discrimination in the rat, Perceptual & Motor Skills, 67. Address: Dept. of Psychology, University of Maine, Orono, Maine 04473.
- WADE, DR. L(ARRY) L(EE), b. Enterprise, Ore, June 22, 35; m. 63. POLITICAL SCIENCE. B.S. Oregon, 60, M.A., 62; Ph.D.(polit. sci), 65. Budget exam, U.S. Bur. Budget, 63-64; ASST. PROF. POLIT. SCI, North Carolina, Charlotte, 64-65; San Fernando Valley State Col, 65-66; PURDUE, 66- Med.C, U.S.A., 54-56. Polit. Sci. Asn. Systematic political theory; political economy; administrative behavior; methods of political analysis. Publ: Co-auth, Primer of political analysis, Markam Pub. Co, 68 & A theory of political exchange, Prentice-Hall, 68; auth, Professional in organizations, Human Orgn, 67. Address: Dept. of Political Science, Purdue University, Lafayette, Ind. 47907.
- WADE, PROF. M(ARVIN) B(URGESS), b. Bell Buckle, Tenn, Oct. 20, 12; m. 47; c. 1. SOCIAL SCIENCE. B.S. Mid. Tenn. State Col, 34; A.M. Peabody Col, 39, summers, 40, 46-47, Ph.D. 53; fel, Vanderbilt, 49-50; summers, Tennessee 35, Wisconsin, 41; North Carolina, 42. Teacher, high schs, Tenn, 34-39; mem. faculty, E. Cent. Jr. Col, 39-40; Meridian Jr. Col, 40-42; adminstr, Bering Inst, 45-46; mem. faculty, Sacramento Col, 46-47; assoc. prof. SOCIOL, Tenn. Polytech, 47-62; prof. Murray State, 62-63; PROF. & HEAD DEPT, STEPHEN F. AUSTIN STATE COL, 63- Ord.C, 42-46, 1st Lt. Sociol. Asn. Sociology; American history; marriage and the family; crime and juvenile delinquency; population. Publ: Counseling in family life education in high school, Family Life, 11/67. Address: Dept. of Sociology, Stephen F. Austin State College, Nacogdoches, Tex. 75961.
- WADE, DR. R(ALPH) M(URCH), b. Barnard, S.Dak, Sept. 5, 00; m. 35; c. 2. POLITICAL SCIENCE. A.B. South Dakota, 23; A.M. Iowa, 31, Ph.D. 49; Stanford, 58-59; LL.B. Wyoming, 65. Supvr, North. State Teachers Col, S.Dak, 34-35; ed. dir. & comdr, Civilian Conserv. Corps, 35-40; asst. prof. mil. tactics & sci, South Dakota, 40-42; asst. prof. govt. ind. State Teachers Col, 46-47; asst. Iowa, 47; asst. prof. polit. sci, Wyoming, 48-50, assoc. prof, 51-57, campus dir, center ed. in polit, acting head dept. polit. sci, 58; acting chmn. dept, 64-65, prof, 57-67; RETIRED. Summer vis. prof, Nebr. State Teachers Col.(Chadron), 62; researcher, Wyoming, 67- Dir. Rocky Mt. Legis. Seminar, 61; regional dir. Rocky Mt. Center Ed. in Polit, 64-66. U.S.A., 42-46, Col. Polit. Sci. Asn. Legislative politics; political parties; taxation; state courts, legislatures and politics. Publ: Co-auth, Government and administration of Wyoming; Western politics, Univ. Utah, 67; Legislative politics in the Rocky Mountain West. Bur. Govt. Res. Univ. Colorado, 67. Address: 235 Arlington Rd, Redwood City, Calif. 94062.
- WADE, DR. WILLIAM JUNIUS, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WADIA, PROF. MANECK S, b. Bombay, India, Oct. 22, 31; m. 62. BUSINESS ADMINISTRATION. CULTURAL ANTHROPOLOGY. B.A. St. Xavier's Col, 52; M.A. Indiana, 55, Ph.D.(anthrop), 57, M.B.A., 58. Asst. prof. bus. admin, Indiana, 58-60; Ford Found. fel, Pittsburgh, 60-61; asst. prof. Stanford, 61-65; assoc. prof, CALIFORNIA WESTERN, 65-67, PROF, 67-68, ADMN. & ANTHROP, 68- Mem. Ford Found. workshop soc. & polit. environ. of bus. California, Berkeley, Sept, 66; workshop int. bus. N.Y. Univ, June, 67. Soc. Adv. Mgt; Acad. Mgt; fel. Soc. Appl. Anthropol. Acculturation and applied anthropology; role of the behavioral sciences in the study and practice of management; international business. Publ: Auth, The nature and scope of management, Scott, 66; co-auth, Marketing management, Addison-Wesley, 66 & auth, Management and the behavioral sciences, Allyn & Bacon, 68. Address: Dept. of Anthropology, California Western University, San Diego, Calif. 92106.
- WADLEIGH, PROF. LLOYD ORVILLE, b. Los Angeles, Calif, May 21, 19; m. 42; c. 2. POLITICAL ECONOMY. B.A. California, Los Angeles, 42; Ph.D.(polit. econ), Claremont Grad. Sch. & Grad. Center, 61. Instr. econ, La Verne Col, 47-48, asst. prof, 48-50; Long Beach State Col, 50-53; assoc. prof, Baldwin-Wallace Col, 53-54, prof, 54-58, dir. spec. serv, 55-58; PROF. ECON, CARROLL COL, 58- Ford Found. fel, 57. Consult, indust, pub. utility & financial corp. execs, 56- Outstanding Teaching award, Carroll Col, 67. U.S.A., 42-46, 1st Lt. Econ. Asn. Identification of satisfactory indicators for measuring economic activity in limited economic regions; economic development of Puerto Rico. Address: Dept. of Economics, Carroll College, Waukesha, Wis. 53186.
- WADLEY, DR. MARGIL W(ARREN), Inorg. Chem, see 11th ed, Phys. & Biol. Vols.
- WADSWORTH, DR. HENRY ASIEL, b. Cortland, N.Y., May 2, 34; m. 55; c. 4. AGRICULTURAL ECONOMICS. B.S. Cornell, 56, M.S., 59, Ph.D.(agr. econ), 62. Voc. agr. teacher, McGraw Cent. Sch, N.Y., 56-57; mgt. trainee, Coop. G.L.F. Exchange, Inc, 57, asst. mgr, 57-58; asst. AGR. ECON, Cornell, 58-60, 61-62, instr, 60-61; asst. prof, PURDUE, 62-66, ASSOC. PROF, 66- Consult, Stanford Res. Inst, 67- Agr. Econ. Asn. Analysis of factors affecting community and resource development; alternative means of improving incomes and quality of living, especially industrial development and local government reorganization. Publ: Auth, Leakages reducing employment and income multipliers in labor surplus rural areas, 12/65 & Alternatives in community resource development, 12/67 & co-auth, Improving measures of economic development, 12/67, J. Farm Econ. Address: Dept. of Agricultural Economics, 692 Krannert, Purdue University, Lafayette, Ind. 47907.
- WADSWORTH, PROF. LAWRENCE W, b. Denver, Colo, June 13, 20; m. 43; c. 5. INTERNATIONAL RELATIONS. B.S. Centenary Col, 46; M.A. Tulane, 47; Ph.D. American Univ, 55. From assoc. prof. int. law & rels. to GRAZIER PROF. INT. LAW & ORGN, AMERICAN UNIV, 47- For. affairs offi-

cer, Bur. Far East. Affairs, U.S. Dept. State, 48-52. U.S.A.A.F., 41-45, Capt. Soc. Int. Law; Polit. Sci. Assn; Am. Geog. Soc. International law. Publ: Key to the VK Ting atlas of China; Tokyo war crimes trials; Changing concepts of the territorial seas, World Affairs. Address: School of International Service, American University, Massachusetts & Nebraska Ave, Washington, D.C. 20016.

WÄELDER, DR. ROBERT, Psychoanal, see 10th ed, Soc. & Behav. Vols, deceased 67.

WAGATSUMA, DR. HIROSHI, b. Tokyo, Japan, June 17, 27; m. 54; c. 2. SOCIOLOGICAL PSYCHOLOGY. M.A. Tokyo, 53, Ph.D.(soc. psychol), 58; M.A. Michigan, 57; Litt.D.(soc. psychol), Nihon Univ, Tokyo, 67. Asst. prof. soc. sci, Konan Univ, Japan, 58-61; lect. & res. assoc. Res. Training Inst. Family Court Res. Officers, Tokyo, Japan, 61-62; asst. res. psychologist, inst. human develop, California, Berkeley, 62-66, lect. sch. soc. welfare, 63-65; assoc. res. prof, soc. sci. res. inst, Hawaii, 66-67; vis. lect. Asian studies, PITTSBURGH, 67-68, ASSOC. PROF. SOCIOLOGICAL, ANTHROPOLOGY & PSYCHIATRY, 68-Fel. Am. Anthropol. Assn; Asn. Asian Studies; Japanese Soc. Social Psychol. Psychological anthropology; culture and personality of Japan, especially role interaction patterns among lower class urban families, minority problems in Japan and psycho-cultural study of modern Japanese novelists. Publ: Social psychology of ego, Seishin Shobo, Tokyo, Japan, 65; co-auth, Japan's invisible race, Univ. California, 66; auth, Social perception of skin color in Japan, Daedalus, spring 67. Address: Dept. of Sociology, University of Pittsburgh, Pittsburgh, Pa. 15213.

WAGENSCHNEIDER, DEAN MIRIAM, b. Kingsville, Tex, July 17, 22. SOCIOLOGY. B.A. Texas, 47; A.M. Chicago, 50; California, Berkeley, 55; Ed.D. (guid), Stanford, 63. Instr. sociol, Whitman Col, 50-53, asst. prof, 53-55, assoc. prof, 55-67, dir. women's affairs, 51-62, dean women, 62-67; PROF. ED, ASST. DEAN STUDENTS & DEAN WOMEN, ILLINOIS STATE, 67-Sociol. Assn; Personnel & Guid. Assn; Nat. Assn. Women Deans & Couns. Occupations and professions; industrial sociology; social problems; population and human ecology; institutional housing, selective clientele and social class of women students; reality shock in beginning elementary school teachers. Address: Hovey 211, Illinois State University, Normal, Ill. 61761.

WAGER, DR. PAUL W(ODFORD), b. Hector, N.Y., July 24, 93. POLITICAL SCIENCE. B.S. Hobart Col, 17; A.M. Haverford Col, 20; Ph.D. North Carolina, 27. Asst. prof. polit. sci, North Carolina, Chapel Hill, 26-33, assoc. prof, 33-34, prof, 43-64, RETIRED. Taxation economist, U.S. Forest Serv, 30-31; land economist, bur. agr. econ, U.S. Dept. Agr, 34-37; mem, Chapel Hill Bd. Aldermen, 53-65. Polit. Sci. Assn. County government; state government; public administration. Publ: County government and administration in North Carolina, 28; One foot on the soil, 45; North Carolina: the state and its government, 47. Address: 206 University Dr, Chapel Hill, N.C. 27514.

WAGGAMAN, JOHN S(TANLEY), b. Detroit, Mich, Mar. 17, 30; m. 55; c. 2. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.S. Butler, 61; M.P.A. Indiana, 63. Asst. dept. govt, INDIANA, 61-63, res. assoc. elections & state & local govt, inst. pub. admin, 63-66; dir. res. pub. policy, Indiana Legis. Coun, 66-67; ASST. DIR. HIGHER ED. & PUB. POLICY, BUR. INST. RES, INDIANA, 67- Correspondent, Nat. Munic. League, 63-68; reporter, Am. Assembly Regional Conf. State Legislatures, 67. Consult, election news, Columbia Broadcasting Syst, 64-66; Indiana Gen. Assembly, 64-68; Indiana Cmns. State Tax & Financing Policy, 68; News. Election Serv, 68. U.S.A., 49-55, Sgt. Polit. Sci. Assn; Asn. Instrnl. Res. Public policy and decision making within and between executive and legislative agencies of government; elections, referenda and legislative apportionment; government organization; computerized systems of analysis and information retrieval. Publ: The presidential primary and election in Indiana, 64, Legislative compensation: value of lawmaking?, 66 & An analysis of Indiana's congressional districting problem, 68, Indiana Univ. Address: 3302 Windcrest Dr, Bloomington, Ind. 47401.

WAGGONER, DR. DEWARD E(RNEST), Statist, Pub. Health, see 10th ed, Soc. & Behav. Vols.

WAGLEY, PROF. CHARLES, b. Clarksville, Tex, Nov. 9, 13; m. 41; c. 2. ANTHROPOLOGY. A.B. Columbia, 36, res. fel, 39, Ph.D.(anthrop), 41; hon. Dr. Bahia, 62; hon. LL.D. Notre Dame, 64. Instr. anthrop, Columbia, 40-41; res. assoc, Nat. Mus, Brazil, 41-42; mem. field staff, Inst. Inter-Am. Affairs, U.S. Pub. Health Admin, Brazil, 42-45; asst. prof. ANTHROPOLOGY, COLUMBIA, 46-49, assoc. prof, 49-53, PROF. 53-, DIR. INST. LATIN AM. STUDIES, 61-, exec. officer dept. anthrop, 53-56. Mem. staff, Guggenheim Found, 45-47; Soc. Sci. Res. Coun, 47-49; fel, Center Adv. Study Behav. Sci, 57-59. Consult, Ministry Ed, Brazil. Am. Anthropol. Assn. rep. to Nat. Res. Coun, 46-49, 53-56, 58- Hon. mem, Found. Develop. Sci, Bahia, Brazil, 59. Mem. Hylean Amazon Surv, UNESCO, 48. Order South. Cross, Brazil, 46. Fel. Anthropol. Assn; fel. Ethnol. Soc.(pres, 57-58); fel. Philos. Soc. Social anthropology; social change; minority groups and race relations; community studies; aboriginal and contemporary Latin American culture and society. Publ: Co-auth, Minority groups in the New World, 58, auth, Introduction to Brazil, 64 & The Latin American tradition, 68, Columbia Univ. Address: Dept. of Anthropology, Columbia University, New York, N.Y. 10027.

WAGMAN, DR. WILLIAM, b. New York, N.Y., July 5, 32; m. 54; c. 3. PSYCHOLOGY, PSYCHOPHARMACOLOGY. B.A. Col. William & Mary, 54; M.A. Columbia, 57, Ph.D.(psychol), 62. Res. assoc. psychol, Columbia, 57-59; instr, Hofstra Col, 59-60; Southern Illinois, 60-62, asst. prof, 62-66; RES. PSYCHOLOGIST, EXP. MED. LAB, EDGEWOOD ARSENAL, 66- AAAS; Psychol. Assn. Operant conditioning. Publ: Sodium chloride deprivation, Science, 63; co-auth, The development of positive reinforcer upon the termination of shock, Psychonomic Sci, 65; & Maternal behavior as a function of self licking deprivation, J. Comp. & Physiol. Psychol, 66. Address: Experimental Medical Lab, Edgewood Arsenal, Edgewood, Md. 21010.

WAGNER, DR. ALLAN RAY, b. Springfield, Ill, Jan. 6, 34. EXPERIMENTAL PSYCHOLOGY. B.A. Iowa, 56, M.A. 58, Nat. Sci. Found. fel, 58-59, Ph.D.

(psychol), 59. Instr. PSYCHOL, Iowa, 56-58; asst. prof, YALE, 59-64, ASSOC. PROF, 64- Nat. Insts. Health spec. fel, 64-65. Psychol. Assn; Psychonomic Soc. Learning and behavior theory; human and infra-human learning and motivation. Publ: Co-auth, Reward and punishment, Allyn & Bacon, 65; auth, Conditioned frustration as a learned drive, 63 & Stimulus selection in animal discrimination learning, 67, J. Exp. Psychol. Address: Dept. of Psychology, Yale University, New Haven, Conn. 06520.

WAGNER, PROF. EDWIN ERIC, b. Philadelphia, Pa, Dec. 29, 30; m. 56; c. 1. PSYCHOLOGY. B.A. Temple, 55, M.A. 56, Ph.D.(psychol), 59. Instr. PSYCHOL, Temple, 57-59; asst. prof, AKRON, 59-67, PROF. 67- Private practice, 60- Consult, Soc. Security Admin, 63- Dipl. counseling psychol, Am. Bd. Exam. Prfnl. Psychol. Psychol. Assn; Soc. Proj. Tech. Psychological diagnosis; projective techniques; executive selection. Publ: Hand test: manual for administration scoring and interpretation, Mark James, 62; The imaginary lovers delusion: a diagnostic case study, J. Proj. Tech, 66; A projective study of strip teasers and exhibitionists, In: Nudity and Sexuality, Aldine, 68. Address: 76 N. Revere Rd, Akron, Ohio 44313.

WAGNER, DR. ERIKA, b. Caracas, Venezuela, Nov. 25, 37; m. 65. ANTHROPOLOGY. B.A. Venezuela, 60; Ph.D.(anthrop), Yale, 65. RES. ASSOC. ANTHROPOLOGY, Venezuelan Inst. Sci. Studies, 65-66; Rice, 66-67; VENEZUELAN INST. SCI. STUDIES, 67- Fel. Anthropol. Assn. Prehistory, ethnohistory and cultural ecology of the intermediate area, especially Venezuela and northern South America. Publ: The prehistory and ethnohistory of the Carache area in western Venezuela, Yale Univ. Pub. Anthropol, 67. Address: Venezuelan Institute of Scientific Studies, Apartado 1827, Caracas, Venezuela.

WAGNER, DR. FRED W(ILLIAM), Econ, see 10th ed, Soc. & Behav. Vols.

WAGNER, PROF. HARVEY M, b. San Francisco, Calif. Nov. 20, 31; m. 54. STATISTICS, ECONOMICS. B.S. Stanford, 53, fel. & M.S., 54, Ph.D.(econ), 60; Marshall scholar, Cambridge, 54-55. Instr. mgmt. sci, Mass. Inst. Tech, 55-57; PROF, Stanford, 57-67; ADMIN. SCI., YALE, 67- Ford Found. faculty res. fel, 63-64; Nat. Sci. Found. res. grant econ, 64-68. Consult, Rand Corp, 53-; McKinsey & Co. Econ. Assn; Statist. Assn; Economet. Soc; Inst. Mgt. Sci; Oper. Res. Soc. Management science; operations research; economic decision making under uncertainty; mathematical economics. Publ: Statistical management of inventory systems, Wiley, 62; co-auth, Simulated economics systems, Irwin, 63; co-ed, Management controls, McGraw, 64. Address: Dept. of Administrative Science, Yale University, 2 Hillhouse Ave, New Haven, Conn. 06520.

WAGNER, PROF. HELMUT R(UDOLF), b. Dresden, Germany, Aug. 5, 04; nat; m. 51; c. 1. SOCIOLOGY. Halle fel, New Sch. Soc. Res, 52-53, univ. fel, 52-55, Ph.D.(sociol), 55. Lectr. sociol, New Sch. Soc. Res, 55-56; asst. prof, Bucknell, 56-58, assoc. prof, 58-62, prof, 62-64; PROF. SOCIOLOGY & HEAD DEPT. ANTHROPOLOGY & SOCIOLOGY, HOBART & WILLIAM SMITH COLS, 64- Res. sociologist, Inst. World Affairs, N.Y., 53-56. Sociol. Assn. Sociological theory; sociology of knowledge and religion. Publ: Mannheim's historicism; Social and religious outlook of a young labor elite. Address: Dept. of Anthropology & Sociology, Hobart & William Smith Colleges, Geneva, N.Y. 14456.

WAGNER, IRVING, b. Brooklyn, N.Y., June 11, 29; m. 53; c. 3. ECONOMICS. B.A. Queens Col, 51. Statist. trainee, Nat. Indust. Conf. Bd, 51-53; statist. analyst, Kollman Instrument Corp, 53-54; statistician, Cresap, McCormick & Paget, 54-57; sales analyst, Paragon Oil Co, 57-59; supvr. sales anal, Kenyon & Eckhardt, 59-63, supvr. econ. anal, 63-67; SECURITY ANALYST, ARNOLD BERNHARD CO, 68- Econ. Assn. Address: 35-43 161st St, Flushing, N.Y. 11358.

WAGNER, DR. KENNETH C(AMERON), b. Davenport, Iowa, July 28, 22; m. 47; c. 3. SOCIOLOGY. A.B. Augustana Col, 44; M.A. Wisconsin, 49; fel, North Carolina, 51-53, Ph.D.(sociol), 53. Asst. journalism, Wisconsin, 47-49; asst. prof, Ga. Inst. Tech, 53-56, res. assoc. eng. exp. sta, 53-56, head indust. develop. br, 56-65; DIR. ECON. DEVELOP, MISS. RES. & DEVELOP. CENTER, 65- Mem. commerce tech. adv. bd. panel local & state govt. response to tech. opportunities & probs, U.S. Dept. Commerce, 68- U.S.N.R., 43-46, Lt. AAAS; Sociol. Assn; Soc. Appl. Anthropol. Development; organizational analysis; manpower utilization. Publ: Manpower utilization Res. Engr; Those annoying human factors, J. Indust. Engr. Address: 5309 Briarfield Rd, Jackson, Miss. 39211.

WAGNER, DR. LEWIS E(VERN), b. Burlington, Iowa, Nov. 9, 24; m. 45; c. 4. ECONOMICS. B.S.C. Iowa, 50, M.A. 51, Ph.D.(econ), 56. Asst. econ, Iowa, 50-52, instr, 51-52, asst. bur. bus. & econ. res, 52-54, res. assoc. & asst. prof, 54-56; assoc. prof, Illinois, Urbana, 57-63; DIR. BUR. BUS. & ECON. RES, IOWA, 63- Prog. adv, Ford Found, Beirut, Lebanon, 66-68. U.S.A., 43-46. Econ. Assn. Economic education; public finance; economic theory. Publ: Major issues in economic education; Income, employment and prices; co-auth, Comparative study of the tax systems of Iowa and surrounding states. Address: Bureau of Business & Economic Research, University of Iowa, Iowa City, Iowa 52240.

WAGNER, DR. MAHLON WHITNEY, b. Chaffee, N.Y., Aug. 23, 35; m. 60; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S. Bucknell, 57; Ph.D.(psychol), Rochester, 63. Instr. PSYCHOL, Massachusetts, 61-64; asst. prof, Valparaiso, 64-66, ASSOC. PROF, 66-67; STATE UNIV. N.Y. COL. OSWEGO, 67- Co-investr, Natick Qm. Corps Contract, 63-64; U.S. Pub. Health Serv. grant, 64-67; summers, Nat. Sci. Found. fel, inst. animal behav, Utah State, 65, instrnl. faculty res. grants, Valparaiso, 65, 66 & instrnl. grant, 67, U.S. Pub. Health Serv. grant, 68. Psychol. Assn; Animal Behav. Soc; Soc. Mammal; N.Y. Acad. Sci; Int. Soc. Develop. Psychobiol. Sensory and psychophysiological aspects of food acceptance and rejection, especially in rodents; animal population dynamics and stress. Publ: Satiation effects on rate of intake and preference of glucose solutions, J. Comp. Physiol. Psychol, 65; co-auth, Methodology of relative sugar preference in lab rats and deer mice, J. Psychol, 66; auth, Comparative sugar preference in grasshopper mice and kangaroo rats, J. Mammal, 67. Address: Dept. of Psychology, State University of New York College at Oswego, Oswego, N.Y. 13126.

- WAGNER, PROF. MARTIN, b. Newport, Ky, Sept. 11, 11; m. 39; c. 2. LABOR ECONOMICS, INDUSTRIAL RELATIONS. A.B. Michigan, 33, M.A., 35; Rhodes scholar, Oxford, 35-37, B.A., 37, M.A., 60. Field exam, Nat. Labor Rels. Bd, Cincinnati, Ohio, 37-40, Chicago, Ill., 41-43, regional dir, San Francisco, Calif., 43-44, Cincinnati, 44-47; exec. dir, Labor-Mgt. Cmt, Louisville, Ky, 48-58; PROF. LABOR & INDUST. RELS. & DIR. INST. LABOR & INDUST. RES, ILLINOIS, URBANA, 58- Labor economist, adv. cmn, Coun. Nat. Defense, 40-41. Chmn, Gov. Cm. Labor Mgt. Policy Pub. Employees. Econ. Asn; Indust. Rels. Res. Asn; Nat. Acad. Arbit. National labor policy; settlements of industrial disputes. Address: Institute of Labor & Industrial Relations, University of Illinois, Urbana, Ill. 61801.
- WAGNER, PROF. MAZIE EARLE (MRS. HERMAN J. P. SCHUBERT), b. Williamsville, N.Y., Oct. 28, 01; m. 31; c. 1. PSYCHOLOGY. B.A., Buffalo, 25, A.M., 27; Ph.D.(psychol), Columbia, 34. Res. assoc, Buffalo, 31-40; asst. dean students, 40-50; assoc. prof. ED, STATE UNIV. N.Y. COL. BUFFALO, 50-55, PROF., 55-, DIR. COUNSELING & GUID, 64- Fel. Psychol. Asn; Personnel & Guid. Asn; Soc. Proj. Tech. Personality evaluation through draw-a-person and Minnesota Multiphasic Personality Inventory; personality attributes of successful teachers. Publ: Anticipatory examinations for college credit, Univ. Buffalo Studies; Draw-a-person and M.M.P.I. academic proficiency scales. Address: Dept. of Education, State University of New York College at Buffalo, Buffalo, N.Y. 14222.
- WAGNER, DR. MERVYN (KENNETH), b. San Francisco, Calif., Aug. 7, 29; m. 50; c. 3. PSYCHOLOGY. A.B., San Jose State Col, 51, M.A., 54; Ph.D. (clin. psychol), La. State, 60. Teaching assoc. child & ed. psychol, La. State, 60; clin. psychologist, Mem. Hosp, Exetr Ment. Health Clin, Calif, 60-62; Kings View Psychiat. Hosp, 62-66; COORDINATOR PROG. EVAL. STAFF, VET. ADMIN. HOSP, SALISBURY, N.C., 66- U.S.A.F., 52-57, Res, 57-, 1st Lt. AAAS; Psychol. Asn. Research and practice in the application of learning principles to the modification of deviant behavior; operant conditioning. Publ: Partial reinforcement with chronic schizophrenics, 64 & Reinforcement of verbal productivity in group therapy, 66, Psychol. Reports; Reinforcement of the expression of anger through role-playing, Behav. Res. & Therapy, 68. Address: Veterans Administration Hospital, Salisbury, N.C. 28144.
- WAGNER, DR. NATHANIEL N(ED), b. Brooklyn, N.Y., Jan. 31, 30; m. 54; c. 3. CLINICAL PSYCHOLOGY. B.A., Long Island, 51; M.A., Columbia, 52, Ph.D. (psychol), 56. Supvr. psychologist, Astor Home Children, 58-62; asst. prof. PSYCHOL. SCH. MED, WASHINGTON (SEATTLE), 62-66, ASSOC. PROF. & CHIEF PSYCHOLOGIST, 66- Fulbright vis. prof. & acting head dept. psychol. med, Malaya, 67. Med.Serv.C, U.S.A., 53-58, Capt. Psychol. Asn. Problems of minority group; sex and medical education. Publ: Co-auth, Negro interviewers and white patients: the question of confidentiality and trust, Arch. Gen. Psychiat, 67; auth, Psychologists in medical schools: a nine year comparison, Soc. Sci. & Med, in press; co-auth, Child psychotherapy and social class, In: Current psychiatric therapies, Grune, vol. VIII, 68. Address: Dept. of Psychiatry, University of Washington School of Medicine, Seattle, Wash. 98105.
- WAGNER, PROF. PAUL H., b. Monroe, Wis. Apr. 10, 11; m. 40. JOURNALISM. B.A., Univ. Wis, 34, M.A., 39. Reporter & copy reader, Milwaukee J, 34-35; state & news ed, Wis. State J, 35-38; managing ed, Wis. Dairyland News, 38-39; instr, Stanford, 39; Indiana, 39-44; asst. prof, Ohio, 44-46; ASSOC. PROF. JOUR. Ohio State, 46-62; OHIO, 62- Consult, area ed. TV proj, Ford Found. 62-63; ed. consult, nat. culture center news media proj, U.S. Off. Ed, 62-63. Asn. Ed. Jour. Media economics; public affairs reporting. Publ: Radio journalism, Burgess; Professional communicators, Ohio State; Changing growth factors in broadcasting, J. Broadcasting, fall 66. Address: 20 Briarwood, Athens, Ohio 47501.
- WAGNER, PROF. PHILIP L(AURENCE), b. San Jose, Calif., Oct. 7, 21. GEOGRAPHY. A.B. California, 47, Inst. Slavic Studies fel, 49-50, M.A., 50, Ph.D.(geog), 53. Teacher geog, Far East prog, California, 53-54; res. assoc, soc. sci. div, Chicago, 54-55, asst. prof. GEOG, 55-61; California, Davis, 61-63, assoc. prof, 63-67; PROF. SIMON FRASER UNIV, 67- U.S.A., 42-46. Geog. Soc; Asn. Am. Geog; Anthropol. Asn. Cultural geography; Middle America; Soviet Union. Publ: The human use of the earth; co-ed, Readings in cultural geography; Nicoya: a cultural geography, Univ. Calif. Pubs. in Geog. Address: Dept. of Geography, Simon Fraser University, Burnaby 2, B.C. Can.
- WAGNER, DR. ROY, b. Cleveland, Ohio, Oct. 2, 38. ANTHROPOLOGY. A.B., Harvard, 61; A.M., Chicago, 62, Ph.D.(anthrop), 66. Asst. prof. ANTHROP, Southern Illinois, 66-68; ASSOC. PROF, NORTHWESTERN, 68- Soc. Sci. Res. Coun. Faculty Res. grant, 68-69. Fel. AAAS; fel. Anthropol. Asn. Social structure, kinship, and religion in New Guinea; New Guinea Highlands cultural and linguistic history; Oceanic ethnology. Publ: The curse of Souw, Univ. Chicago, 67. Address: Dept. of Anthropology, Northwestern University, Evanston, Ill. 60201.
- WAGNER, PROF. STANLEY P(AUL), b. Ambridge, Pa., Mar. 22, 23; m. 45; c. 1. POLITICAL SCIENCE, HISTORY. Ph.D.(hist), Pittsburgh, 53. Instr. soc. studies, Muskingum Col, 49-52, asst. prof, 53-54; POLIT. SCI, Allegheny Col, 54-62; PROF. & CHMN. DEPT, OKLAHOMA CITY UNIV, 62-, ASSOC. DEAN ARTS & SCI, 66-, DIR. TAFT INST. PRACTICAL POLIT, 67- U.S.A., 42-45. Polit. Sci. Asn. American thought and behavior in the twentieth century; ethnic voting behavior; future of urban society. Publ: The Polish-American vote in 1960, Polish-Am. Studies, 1-6/64; Records and the invasion of privacy, Social Sci, 1/65; co-auth, An empirical method for the study of community power, Proc. Okla.Acad. Sci, 66. Address: 11200 Greystone Ave, Oklahoma City, Okla. 73120.
- WAGNER, DR. WALTER C(HARLES), b. Westbrook, Conn., Nov. 10, 17; m. 43. ECONOMICS, SOCIAL SCIENCE. S.B. North Carolina, 41; M.A., Arkansas, 47; fels, Texas, 47-51, Ph.D.(econ), 53. Instr. econ, Arkansas, 46-47; soc. sci, Drake, 52-53; asst. prof. econ, bus. admin. & soc. sci, Univ. Kansas City, 53-62; PROF. SOC. SCI, RAYMOND COL, UNIV. OF THE PACIFIC, 62- Vis. lectr, Southwest Bell Tel. Co, 55-56; mgt. training lectr, Bell Tel. Co. Pa, 65. U.S.A., 41-45, Capt. Econ. Asn; Indust. Rels. Res. Asn. Theoretical integration of the social sciences; industrial relations; application of social sciences to industrial relations; philosophy of technology; social forces behind the labor movement; philosophy of labor-management. Address: Raymond College, University of the Pacific, Stockton, Calif. 95204.
- WAGONER, PROF. KENNETH S(HROUT), b. Waldron, Ind., July 8, 11; m. 46; c. 2. PSYCHOLOGY. A.B., DePauw, 32; scholar, Washington (St. Louis), 33-34, A.M., 34, fel, 35-36, Ph.D.(psychol), 38. Asst. psychol, Washington (St. Louis), 32-33, 36-38, instr. & asst, 38-43; instr. & res. assoc, Nat. Defense Res. Cmt, res. lab. sensory psychol. & physiol, Tufts Col, 43-46; asst. prof. PSYCHOL, DePAUW, 46-47, assoc. prof, 47-50, PROF., 50- HEAD DEPT, 52-, DIR. EXP. PSYCHOL. LAB, 46- Vis. lectr, Methodist Hosp. Sch. Nursing, 50-64; vis. prof, Fla. State, 56 & 63. State tech. consult. & test constructor, Pa, 37-38. AAAS; fel. Psychol. Asn; Psychonom. Soc. Sensation and perception; experimental and physiological psychology. Address: Dept. of Psychology, DePauw University, Greencastle, Ind. 46135.
- WAGONER, PROF. LOVISA C(ATHARINE), Psychol, see 10th ed, Soc. & Behav. Vols.
- WAGONER, DR. W. J., b. Rushville, Ind., July 25, 21; m. 63; c. 2. STATISTICS. A.B., Ball State, 42; M.C.S., Indiana, 46; Ph.D.(bus), Iowa, 54. Teacher, high sch, Ind, 46-63; ASSOC. PROF. STATIST, BALL STATE, 63-, HEAD DEPT. GEN. BUS. ADMIN, 65- U.S.A., 43-46. Statist. Asn. Address: Dept. of General Business Administration, Ball State University, Muncie, Ind. 47306.
- WAGSTAFF, PROF. ALICE KENNEDY, b. Mar. 27, 19; U.S. citizen. PSYCHOLOGY. A.B., Nazareth Col, 41; M.A., Chicago, 57, Ph.D., 59. Teacher, pub. schs, Ky, 41-44; Joseph E. Seagram interim in indust, 44-52; asst. teacher, nursery sch, Univ. Chicago, 52-53, res. asst, counseling center, 53-54, intern, 54-56, teaching asst, 55-57, counsr, 56-60, res. assoc, 59-60, lectr, univ. col, 59-60; assoc. prof. PSYCHOL, DUQUESNE, 60-64, PROF., 64-, DIR. COUNSELING, 60-, chmn. dept. psychol, 62-67. Consult, Woodville State Hosp, 64- Asst. resident head, univ. house syst, Chicago, 53-54, resident head, 54-57. Psychol. Asn. Psychotherapy and personality. Publ: Co-auth, Quantitative naturalistic research, Prentice-Hall, 63; auth, On the naturalistic definition of variables, Res. in Psychother, 62; Implications of these psychological and philosophical approaches, Pa. Asn. Women Deans & Counsr. Post-Convention Bull, 63. Address: Dept. of Psychology, Duquesne University, Pittsburgh, Pa. 15219.
- WAGSTAFF, DR. H(OLLIS) REID, b. Newton, Mass., Aug. 24, 34; m. 62; c. 2. GEOGRAPHY. A.B. Michigan, 56, A.M., 63, Ph.D.(geog), 67. Instr. GEOG, EASTERN MICHIGAN, 63-65, ASST. PROF., 65- U.S.A.F., 57-61. Asn. Am. Geog; Am. Geog. Soc; Nat. Coun. Geog. Ed. Economic geography, especially energy, manufacturing and transportation; urban geography. Address: Dept. of Geography & Geology, Eastern Michigan University, Ypsilanti, Mich. 48197.
- WAHL, DR. NICHOLAS, b. New York, N.Y., June 7, 28. POLITICAL SCIENCE. B.A., Wisconsin, 49; M.A., Harvard, 51, Ph.D.(polit. sci), 56; Soc. Sci. Res. Coun. fel, Paris, 52-53. Instr. govt, hist. & lit, Harvard, 56-57, asst. prof. govt, 59-64, ASSOC. PROF. POLIT, PRINCETON, 64-, CHMN. PROG. MOD. EUROPEAN STUDIES, 66- Smith-Mundt fel, Saigon, Vietnam, 57; Fulbright prof, Lyons, 58, Paris, 58, vis. res. fel, Nuffield Col, Oxford, 62-63; Fulbright prof, Paris, 67-68. Consult, Twentieth Century Fund, 65- Mem. nat. screening cmt, for. area fel. prog, Ford Found, 65-67. Polit. Sci. Asn; French Polit. Sci. Asn; Soc. French Hist. Studies. Comparative politics; French history; contemporary political thought. Publ: The fifth republic: France's new political system; co-auth, Lawmakers in a changing world, Prentice-Hall, 66; auth, The French political system, In: Patterns of government. Address: Dept. of Politics, Princeton University, Princeton, N.J. 08540.
- WAHLER, DR. H(ARRY) J(OE), b. Pueblo, Colo., Oct. 5, 19; m. 48; c. 4. CLINICAL PSYCHOLOGY. B.M. & M.M., Rochester, 48; A.B., Indiana, 50; Ph.D., Iowa, 54. Clin. psychologist, Ment. Hyg. Clin, Vet. Admin, Des Moines, Iowa, 54-56, supvr. psychologist, 56-58; dir. outpatient psychol. serv, health center, Ohio State, 58-66; DIR. PSYCHOL. RES, DIV. RES, DEPT. INSTS, STATE OF WASH, 66- Consult, Tacoma Ment. Health Center & Probn. Dept, 66- U.S.A.A.F., 41-44. Psychol. Asn. Quantitative methods in clinical practice; community psychology. Publ: Hostility and aversion for expressing hostility in neurotics and controls, J. Abnorm. & Soc. Psychol; Social desirability and self-ratings of intakes, patients in treatment and controls & Response styles in clinical and non-clinical groups, J. Consult. Psychol. Address: 5022 E. 161st St, Tacoma, Wash. 98446.
- WAHLER, DR. ROBERT GORDON, b. Bemidji, Minn., Oct. 1, 36; m. 63; c. 2. PSYCHOLOGY. B.S. Idaho, 58; M.S., Washington (Seattle), 60, Ph.D.(psychol), 62. Fel, Washington (Seattle), 62-64; ASST. PROF. PSYCHOL, TENNESSEE, 64- Nat. Inst. Ment. Health grants, 65-68. Psychol. Asn; Soc. Res. Child Develop. Variables involved in control of deviant and normal child social behavior. Publ: Co-auth, Mothers as behavior therapists for their own children, Behav. Res. & Ther, 3: 113-124; auth, Child-child interactions in free field settings: some experimental analysis, J. Exp. Child Psychol, 5: 278-293; Infant social attachments: a reinforcement theory interpretation and investigation, Child Develop, 38: 1079-1088. Address: Dept. of Psychology, University of Tennessee, Knoxville, Tenn. 37916.
- WAHLKE, PROF. JOHN C(HARLES), b. Cincinnati, Ohio, Oct. 29, 17; m. 43; c. 2. POLITICAL SCIENCE. A.B., Harvard, 39, A.M., 47, Ph.D.(polit. sci), 52. From instr. to asst. prof. POLIT. SCI, Amherst Col, 49-53; from asst. prof. to PROF, Vanderbilt, 53-63; State Univ. N.Y. Buffalo, 63-66; IOWA, 66- Mem. cmt. govt. & legal processes, Soc. Sci. Res. Coun, 64- U.S.A., 42-45, Capt. AAAS; Polit. Sci. Asn; Soc. Polit. & Legal Philos; Int. Polit. Sci. Asn. Political theory; political behavior; political parties. Publ: Co-auth, The Legislative system, Wiley, 62; Government and politics, Random, 66; The American political system, Dorsey, 67. Address: Dept. of Political Science, University of Iowa, Iowa City, Iowa 52240.

WAILES, DR. BERNARD, Archaeol, Anthropol, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WAINANEN, PROF. FREDERICK BRYNOLF, b. Aura, Mich, Aug. 16, 23; m. 48; c. 3. SOCIOLOGY, COMMUNICATIONS. B.A. North. Mich. Col. 50; M.A. Iowa, 52, Ph.D. (sociol. & soc. psychol.), 54. Instr. sociol. Iowa, 52-54, res. technician, 53-54, asst. prof. res. methods, 54-55; asst. prof. psychol. & sociol. North. Mich. Col. 55; sociol. & anthropol. North Dakota, 55-61; Mich. State, 61-63; res. dir., Am. Int. Assn. 63-66; PROF. SOCIOL. & COMMUN. MICH. STATE, 66- Fulbright lectr., Finland, 58-59. Consult., UNESCO, 63-68. Mem. exec. coun. Inst. Comp. Sociol. 66- U.S.N.R., 44-46. Sociol. Assn; Soc. Appl. Anthropol.; Interam. Soc. Psychol. Publ: Co-auth., Survey of attitudes related to Costa Rican population dynamics, Am. Int. Assn. 66; Mass media use, information source evaluation and perceptions, Pub. Opinion Quart., 67; Communication and development: a study in Costa Rica and India, UNESCO, 68. Address: Dept. of Sociology, Michigan State University, East Lansing, Mich. 48823.

WAITE, PROF. ALEX(ANDER), Psychol, see 10th ed, Soc. & Behav. Vols.

WAITE, PROF. WILLIAM W(ILEY), b. Toledo, Ohio, Sept. 10, 03; m. 27; c. 2. INDUSTRIAL ENGINEERING. A.B. Columbia, 24, M.S. 26. Asst. field engr., Aluminum Co. Am., 24; staff superv. line eng., N.J. Bell Tel. Co., 26-39, employ. & training superv., 39-41; PROF. INDUST. ENG. & CHMN. DEPT. INDUST. & MGT. ENG. COLUMBIA, 47- Vis. prof., Istanbul, Belgrade; Michigan; Wilkes Col. Consult., Nat. Biscuit Co., 66-; Gen. Precision Industries, 66-; Gorham Corp., 66-; Productivity Center Peru, 66- U.S.A., 42-46, Res., 46-; Lt. Col. Soc. Mech. Eng. Soc. Eng. Ed. Acad. Arbit. Industrial organization and management; personnel and labor relations; manager development and employee training programs. Publ: Personnel administration, Ronald, 52; co-auth., The manager's job, Columbia, 60. Address: Dept. of Industrial & Management Engineering, Columbia University, New York, N.Y. 10027.

WAITS, DR. CARON R(ICHARD), b. Amarillo, Tex, Sept. 9, 28; m. 51; c. 2. ECONOMICS. B.A., Trinity (Tex), 49; M.A., Texas, Austin, 51, Ph.D.(econ), 63. Home builder, Tex, 53-57; sales rep., Maverick-Clarke Co., 57-58; teacher, pub. schs., 58-59; asst. prof. ECON., Northwest State Col.(La), 61-62; Texas Christian, 62-63; ASSOC. PROF., Tex. West. Col., 65-66; TEXAS CHRISTIAN, 66- U.S.A., 51-53, Sgt. Econ. Assn; Asn. Evolutionary Econ. Relationship between financial growth and growth in output, income and employment in Venezuela. Publ: Financial intermediation and income velocity in Venezuela. Boletín Mensual, Centro de Estudios Monetarios Latino Americanos, 4/67; Craft guilds as an institutional barrier to the industrial revolution, Southwest. Soc. Sci. Quart., 6/67. Address: 6113 Walla, Ft. Worth, Tex. 76133.

WAKE, DR. F(RANK) R(OBERT), b. Knoxville, Tenn, Sept. 21, 14; m. 41; c. 3. PSYCHOLOGY. Ph.D. (psychol.), McGill, 50. Asst. prof. PSYCHOL., Kansas, 50-52; ASSOC. PROF., CARLETON (CAN), 55- Consult. Can. Dept. Nat. Health & Welfare, 52- R.C.A.F. 41-45. AAAS; Soc. Res. Child Develop; Can. Psychol. Assn. Maturity; cruelty; smoking. Publ: Open door philosophy: a concept of freedom, Med. Serv. J.; co-auth., Physical cruelty: a review of the literature, 64 & A comparison of physical cruelty in rural and urban delinquent boys, 66, Can. Psychologist. Address: 123 Powell Ave, Ottawa, Ont., Can.

WAKE, PROF. W(ILLIAM) H(ENRY), b. Chicago, Ill, June 11, 22; m. 44; c. 2. GEOGRAPHY. B.A., Stanford, 49; M.A., Columbia, 49; Ph.D., California, Los Angeles, 61. Instr. geog., State Col. Wash., 49-51; asst., California, Los Angeles, 51-54; Fulbright grant, India, 54-55; asst. prof. GEOG., Southern California, 55-64, chmn. dept., 63-64; asst. prof., FRESNO STATE COL., BAKERSFIELD CENTER, 64-68, ASSOC. PROF., 68- Asst. exec. secy., Asn. Am. Geog. & dir., Consortium Prfnl. Asn. Study Spec. Teachers Training Progs, 66-67; coordinator, Conserv. Ed. Through Res. & Action, 67-; mem. conserv. adv. cmt., State Dept. Ed., 68- Summers, Nat. Sci. Found. grant, inst. appln. of quant. methods in geog., Northwestern, 61 & conf. recent adv. uses of comput. in geog., 63; dir., Nat. Defense Ed. Act. Insts. Geog., Fresno State Col., Bakersfield Center, 65 & 66. Nat. Sci. Found. consult., 67-68. Geog. ed., Fidler Co., Grand Rapids, Mich., 58- Southwest rep., Theodore Roosevelt Centennial Cmn., 56-58; mem. Calif. State Adv. Bd., U.S. Bur. Land Mgt., 65-; geog. adv. panel, Statewide Soc. Sci. Study Cmt., 65-66. Merit award, Calif. Conserv. Coun., 63. U.S.M.C., 40-45. Fel. AAAS; Asn. Am. Geog.; fel. Nat. Coun. Geog. Ed.; Am. Soc. Photogram.; Royal Geog. Soc. Asia; India; historical geography; cartography and educational media; geographic and conservation education. Publ: Co-auth., California almanac, Doubleday, 65; Water from western slopes—water in the west, In: California and the west, Fidler, 63; auth., Chaparral and man, In: Our editors' forum, J. West, 65. Address: Dept. of Geography, Bakersfield Center, Fresno State College, 4021 Mt. Vernon Ave., Bakersfield, Calif. 93306.

WAKELEY, DR. JOHN HALBERT, b. Bucyrus, Ohio, Nov. 2, 32; m. 56; c. 4. PSYCHOLOGY. A.B. Col. Wooster, 54; M.S., N.C. State, 56; Ph.D. (psychol.), Mich. State, 61. Res. assoc. personnel, Corning Glass Works, 61-64; asst. prof. PSYCHOL., MICH. STATE, 64-67, ASSOC. PROF. & CHMN. DEPT. 67-; asst. dean continuing ed. soc. sci., 65-67. Lectr., Corning Community Col., 61-64. U.S.A., 54-56, Sgt. AAAS; Psychol. Assn. Applied psychology in organizational settings, including management development, organizational structure and incentive systems. Publ: One way to get more meaningful results from attitude surveys, Personnel, 64; co-auth., Management training—an integrated approach, Training Dirs., J., 65 & Towards a theory of consulting: the implications of consultant assumptions about the nature of his task, Clin. Psychologist, 67. Address: Dept. of Psychology, Olds Hall, Michigan State University, East Lansing, Mich. 48823.

WAKELEY, PROF. RAY(MOND) E(ARL), b. Laceyville, Pa., Jan. 30, 95; m. 17; c. 1. SOCIOLOGY, RURAL SOCIOLOGY. B.S., Pa. State Col., 17; M.S., Wisconsin, 24; Ph.D. (rural sociol.), Cornell, 28. Asst. Cornell, 26-28; prof. sociol. & head dept., Hillsdale Col., 28-30; asst. prof. rural sociol., Iowa State, 30-38, assoc. prof., 38-44, prof., 44-60, leader for sociol. & rural sociol., 38-55, head sociol. sect., 55-60; VIS. PROF. rural sociol., Cornell, 60-61, 62-63;

SOCIOL., SOUTHERN ILLINOIS, 61-62, 63-, dir. community studies, community develop. serv., 66-67. State superv. rural res., Work Projs. Admin., Iowa, 34-39; collab., U.S. Dept. Agr., 37. AAAS; Sociol. Assn; Rural Sociol. Soc.; Pop. Assn; Am. Acad. Arts & Sci.; Acad. Politt. & Soc. Sci.; Planning Assn. Community; leadership; population. Publ: Types of rural and urban communities, Southern Ill. Univ. 62; Population change and net migration in the North Central States; Definitions and relationships of rural sociology, Rural Sociol., 6/67. Address: Dept. of Sociology, Southern Illinois University, Carbondale, Ill. 62901.

WALBERG, DR. HERBERT J., b. Chicago, Ill, Dec. 27, 37; m. 65; c. 1. EDUCATIONAL & SOCIAL PSYCHOLOGY. B.E., Chicago State Col., 59; M.E., Illinois, 60; Ph.D. (ed. psychol.), Chicago, 64. Instr. psychol., Chicago State Col., 62-63, asst. prof., 64-65, dir. off. exam., 62-65; assoc. res. psychologist, Ed. Testing Serv., 65-66; ASST. PROF. ED., HARVARD, 66- Consult., Great Cities School Improv. Proj., Chicago, Ill., 62-65; proj. physics, Harvard, 66-; Mass. Dept. Ment. Health, 67-; Am. Coun. Soc. Work, Ed., 67- AAAS; Psychol. Assn; Sociol. Assn; Ed. Res. Assn. Sociology; research methods. Publ: Personality and role conflict and self-concept in urban practice teachers, Ed. Testing Serv., 66; co-auth., An empirical study of college and university presidents, N.Y. Regents, 67 & Massive rewards and reading achievement in potential urban school dropouts, Am. J. Ed. Res., 68. Address: Dept. of Education, Harvard University, 8 Prescott St., Cambridge, Mass. 02138.

WALCH, DR. SHELBY LEWIS, b. Oklahoma City, Okla., Sept. 23, 25. PSYCHOLOGY. A.B., California, Los Angeles, 48; M.A., Oregon, 51; Ph.D. (ed.), Texas, 59. Fel. psychol., Norwich State Hosp., Norwich, Conn., 58-59, staff psychologist, Fairview State Hospital, Costa Mesa, Calif., 60-62; ASST. CHIEF PSYCHOLOGIST, METROP. STATE HOSP., NORWALK, CALIF., 62-; DIR., PAC. MENT. HEALTH GROUP, 66- Lectr., Chapman Col., 62. Dir. Counseling & Guid., Ga. Inst. Tech., 44-45, psychol. consult., Newport Calif. Harbor High Sch. Dist., 61-62. Soc. Clin. Hypnosis; Psychol. Assn. Hypnotic therapy. Publ: Co-auth., Evaluation of a cerebral palsy treatment center, J. Tex. Med. Soc., 44. Address: 2777 Pacific Ave, Suite K, Long Beach, Calif. 90806.

WALD, DR. HASKELL P(HILIP), b. Worcester, Mass., Sept. 6, 16; m. 39; c. 3. ECONOMICS. A.B., Clark, 38; Littauer fel., Harvard, 41-42, 49, A.M. 42, Ph.D. (econ), 50. Economist, U.S. Govt. Wash., D.C., 38-53; econ. consult., UN, Korea, 53. Greece, 58-59; res. assoc., Harvard Law Sch., 53-55; economist, Fed. Reserve Bank, N.Y., 55-62; CHIEF ECONOMIST, FED. POWER CMN., 63- Lectr., American Univ., 50-53; vis. prof., grad. faculty, New Sch. Soc. Res., 56-62. Econ. Assn. Public finance; money and banking; public utility regulation; economic development. Publ: Taxation of agricultural land in underdeveloped economies; Marginal cost pricing and utility rates, Pub. Utilities Fortnightly, 6/67. Address: 9528 Friars Rd., Bethesda, Md. 20034.

WALD, DR. ROBERT M(ARTIN), b. Chicago Heights, Ill., Oct. 12, 27; m. 48; c. 2. PSYCHOLOGY. A.B., Hopkins, 48; M.S., Northwestern, 50, Ph.D. (personnel psychol.), 53. Instr. guid. & personnel, Northwestern, 51-52, asst. prof. eve. div., 52-59; consult., FRY CONSULT., INC., 52-55, dir. psychol. serv., 55-59, v.pres. WEST. DIV., 59-61, sr. v.pres., 61-64, EXEC. V.PRES., 64- Psychol. Assn. Personnel evaluation; executive development; general management. Publ: The top executive, a first hand profile, Harvard Bus. Rev. Address: 8575 La Entrada, Whittier, Calif. 90605.

WALDBY, PROF. H(UBERT) O(DEL), b. Okla., July 15, 18; m. 46; c. 1. GOVERNMENT. B.A., Oklahoma, 40; M.S., Okla. Agr. & Mech. Col., 41; fel., Michigan, 47-49, Ph.D. (polit. sci.), 50. Asst. prof. govt., Oklahoma, 49-50; from assoc. pub. admin. to PROF. GOVT., FLA. STATE, 51-, V.PRES. ADMIN., 66-, asst. v.pres. acad. affairs, 65-66. Vis. prof. & consult., inst. pub. admin., Philippines, 53-54 & Nat. Chengchi Univ., 62-63. U.S.N., 43-46. Polit. Sci. Assn; Soc. Pub. Admin. Fiscal and public administration; state government. Publ: Patronage system in Oklahoma; Philippine public fiscal administration. Address: 200 Westcott Bldg., Florida State University, Tallahassee, Fla. 32306.

WALDEN, PROF. ESTHER R., b. Fostoria, Ohio, Sept. 30, 19; wid. BUSINESS MANAGEMENT. B.S. Ed., Ohio State, 41, M.B.A., 59, Ph.D. (bus. orgn), 62. Analyst & superv. analyst, personnel, U.S. Air Force Logistics Command & Aeronaut. Sys. Div., 41-50, standards writer, personnel standards, aeronaut. sys. div., 59-64; PROF. MGT., DAYTON, 64- Acad. Mgt. Mgt. Assn; Compensation Assn. Problems of top management of the corporation; studies of professional personnel management; salary studies and problems; problems of multi-national business. Address: 5516 Anne Lane, Dayton, Ohio 45459.

WALDER, DR. LEOPOLD O(SCAR), b. New Bedford, Mass., May 31, 25; m. 49; c. 2. PSYCHOLOGY. A.B., Boston, 49; M.A., Hawaii, 51; U.S. Pub. Health Serv. fel., Iowa, 52-54, Ph.D. (clin. psychol.), 54. Trainee clin. psychol., Vet. Adm., 54-55; instr. psychol., Iowa, 55-56; res. clin. psychologist, Rip Van Winkle Found., N.Y., 56-62; ASSOC. PROF. PSYCHOL., MARYLAND, 62- Dipl., Am. Bd. Exam. Prfnl. Psychol., 60. U.S.A., 43-46. AAAS; Psychol. Assn. Longitudinal clinical research; development of clinical criterion measures; methodology of personality. Address: Dept. of Psychology, University of Maryland, College Park, Md. 20742.

WALDERA, PROF. GERALD JOSEPH, b. Britton, S.Dak., June 18, 31; m. 58; c. 3. POLITICAL SCIENCE, HISTORY. B.S., N.Dak. State, 58, M.S., 60. Coach & teacher, high sch., N.Dak., 58-59; asst., N.Dak. State, 59-60; res. teaching fel., Denver, 61-62; asst. prof. hist. & polit. sci., Millikin, 62-67; PROF. POLIT. SCI., DICKINSON STATE COL., 67- U.S.M.C., 52-57, 1st Lt. Hist. Assn; Am. Studies Assn. 20th century United States; history of American west; American history; methodology; social sciences. Address: 942 Ninth Ave. W., Dickinson, N.Dak. 58601.

WALDMAN, PROF. ERIC, b. Vienna, Austria, Sept. 21, 14; nat.; m. 44; c. 2. POLITICAL SCIENCE. A.B., George Washington, 50, M.A., 51, Ph.D. (polit. sci.), 55. Res. analyst, war document proj., Columbia, 52-55; asst. prof. polit. sci., Marquette, 55-58, acting dir. dept., 57-58, dir., Inst. German Affairs, 57-66, assoc. prof. POLIT. SCI. & chmn. dept., 58-62, PROF., 62-66;

- CALGARY, 66- Lectr, George Washington, 52-55; NATO res. fel, 60; Fulbright res. fel, 61-62 & travel grant, 65; German Govt. res. grants, 58, 64-66; Marquette res. grants, 60-61, 64-66; vis. prof, Marburg, 65; Can. Coun. res. grants, 67 & 68. Order of Malta, 49; German Fed. Cross of Merit First Class, 66. U.S.A., 42-49, Res, 49-66, Lt. Col. Am. Polit. Sci. Assn; Am. Coun. on Germany; Can. Polit. Sci. Assn. Extraparliamentary opposition in the Federal Republic of Germany; German national defense problems. Publ: The Spartacist uprising, Marquette, 58; The goose step is verboten-the German army today, Macmillan, 64; Notstand und Demokratie, Boldt Verlag, 68. Address: 3613 Underhill Dr. N.W., Calgary, Alta, Can.
- WALDMAN, DR. MARVIN, b. Philadelphia, Pa, May 17, 29. PSYCHOLOGY. B.A., Temple, 57, M.A., 58, Ed.D., 61. Staff psychologist, Jewish Employ. & Voc. Serv, 58-59, asst. supv. psychologist, work adjust. center, 59-60, supv. psychologist, 60-61; staff psychologist, East. Pa. Psychiat. Inst, 61-63, supv. psychologist, 63-64; CLIN. PSYCHOLOGIST, Pathway Sch, 64-67; ASHBORNE SCH, ELKINS PARK, 66- Consult. psychologist, Hahnemann Med. Col, 67- Psychol. Asn. Rehabilitation and clinical psychology. Publ: Views differ on group therapy technique, Am. J. Rehab. Work adjustment center, Eng. J. Rehab. Address: 1604 Willow Grove Ave, Laverock, Pa. 19118.
- WALDO, DR. ARLEY D(EAN), b. Stapleton, Nebr, Dec. 29, 34; m. 58; c. 2. AGRICULTURAL ECONOMICS, ECONOMICS. B.Sc., Nebraska, 57; M.Sc., Mich. State, 60, Ph.D.(agr. econ), 63. Res. assoc. AGR. ECON, Mich State, 61-62; asst. prof, Connecticut, 62-64; MINNESOTA, ST. PAUL, 64-66, ASSOC. PROF, 66- U.S.A., 58, 1st Lt. Agr. Econ. Assn; Econ. Assn. Resource allocation, scale economies and distribution of cost and benefits in the public economy; rural poverty, migration and income distribution; agricultural policy. Publ: Co-auth, Multiple jobholding by farm operators, Mich. State Univ, 64; auth, The impact of outmigration and multiple jobholding upon income distribution in agriculture, J. Farm Econ, 12/65. Address: Dept. of Agricultural Economics, University of Minnesota, St. Paul, Minn. 55101.
- WALDO, PROF. C(LIFFORD) DWIGHT, b. DeWitt, Nebr, Sept. 28, 13. POLITICAL SCIENCE. A.B., Nebr. State Teachers Col, 35; A.M., Nebraska, 37; Ph.D., Yale, 42. Instr., Yale, 41-43; price analyst, Off. Price Admin, 42-44; admin. analyst, U.S. Bur. Budget, 44-46; asst. prof. polit. sci, California, Berkeley, 46-49, assoc. prof, 49-52, PROF, 52-67; PUB. ADMIN. & POLIT. SCI, SYRACUSE, 67- Ed-in-chief, Pub. Admin. Rev, 66-69. Fel, Nat. Acad. Pub. Admin, 68- Polit. Sci. Assn.(v.pres, 61-62); Soc. Pub. Admin. Public administration; administrative theory. Publ: Administrative state; Ideas and issues in public administration; Study of public administration. Address: Dept. of Political Science, Maxwell School, Syracuse University, Syracuse, N.Y. 13210.
- WALDO, DR. GORDON PAYNE, b. Fayetteville, N.C., May 6, 38; m. 60; c. 1. SOCIOLOGY. A.B., North Carolina, Chapel Hill, 60; M.A., Ohio State, 65, Ph.D.(sociol), 67. Res. asst. sociol, Ohio State, 63-67; asst. prof, Southern California, 67-68; DIR. SOUTHEAST. CORRECTIONAL & CRIMINOL. RES. CENTER, FLA. STATE UNIV, 68- Sociol. Assn; Soc. Criminol. Nat. Coun. Crime & Delinquency. Criminology; delinquency; corrections; sociology of deviance. Address: Southeastern Correctional & Criminological Research Center, Florida State University, Tallahassee, Fla. 32306.
- WALDRON, DR. DARYLE L(EE), b. Los Angeles, Calif, Oct. 18, 22; m. 47. AUDIOLOGY, SPEECH PATHOLOGY. B.A., California, Santa Barbara, 49; M.A., Southern California, 50; Ohio State, 52-53; Ph.D.(audiol), Stanford, 60. Asst. prof. audiol, U.S. Air Force Sch. Aerospace Med, 57-62; audiol. & speech path, Virginia, 62-64; Texas, 64-67; ASSOC. PROF. AUDIOL. MED. COL. S.C., 67- U.S.A.A.F., T/Sgt. Speech & Hearing Assn; Acoustical Soc. Am; Speech Assn. Am. Test development and assessment in diagnostic audiology. Address: Dept. of Audiology, Medical College of South Carolina, Charleston, S.C. 29401.
- WALDROP, PROF. ROBERT S, b. Sherman, Tex, Sept. 8, 12; m. 36; c. 3. PSYCHOLOGY. B.A., Oklahoma, 34; B.D., McCormick Theol. Sem, 37, fel, 37-39; fel, Chicago, 38-40; Ph.D., Michigan, 48. Dir. vet. serv. bur, Michigan, 46-48; assoc. prof. psychol. & dean students, Vanderbilt, 48-52; consult, dept. med. & surg. Vet. Admin, D.C., 52, chief voc. counseling, 52-61; PROF. PSYCHOL, MARYLAND, 61- vis. prof, 53-60. Vis. prof, George Peabody Col, 49-51; Catholic Univ, 55-65. Mem. spec. adv. cmt. rehab. counseling, Voc. Rehab. Admin, 54-61; consult, Vet. Admin, 61-; prfln. assoc, Assoc. Psychol. Serv, 67- U.S.N.R., 44-46. Fel. AAAS; Psychol. Assn; Personnel & Guid. Assn. Statistical examination of somatypes; psychological aspects of disabilities and the disabled; psychological factors of aging; vocational counseling; career planning. Publ: Auth. & ed, Rehabilitation counselor—aide functions and relationships, Voc. Rehab. Admin, 66; co-auth, Intercorrelations study of Kuder, study of values and strong vocational interest blank; psychological evaluation of the aging, Employ. Security Rev, 12/67. Address: Dept. of Psychology, University of Maryland, College Park, Md. 20742.
- WALDSCHMIDT, PROF. RUDOLPH, b. West Ely, Mo, Oct. 26, 10; m. 41; c. 4. CLINICAL PSYCHOLOGY. A.B., Valparaiso, 36; Ph.D.(psychol), Chicago, 57. Teacher, Lutheran elem. schs, 31-35; Luther Inst, 40-43, 46-47; from instr. to asst. prof. PSYCHOL, VALPARAISO, 47-58, assoc. prof, 58-64, PROF, 64-, CHMN. DEPT, 59-61, 66- Lectr, Northwest Campus, Indiana, 48-64; Nat. Sci. Found. Instnl. res. grant, 63-64; clin. psychologist, State Dept. Health, Hawaii, 64-65. U.S.A.A.F., 43-46. AAAS; Psychol. Assn; Acad. Polit. & Soc. Sci. Personality; positive regard theory; psychotherapy. Address: Dept. of Psychology, Valparaiso University, Valparaiso, Ind, 46383.
- WALDSTEIN, DR. DANIEL, Clin. Psychol, see 10th ed, Soc. & Behav. Vols.
- WALES, PROF. HUGH G(REGORY), b. Topeka, Kans, Feb. 28, 10. MARKETING, ECONOMICS. A.B., Washburn, 32, hon. D.Sc., 68; M.B.A., Harvard 34; Ph.D., Northwestern, 44. Asst. prof. bus. admin, Northwest Mo. State Teachers Col, 34-35, prof. commerce & bus. admin. & head dept, 38-39, dean men, 34-36, 38-39; instr. mkt, Kansas, 36-37; lectr, Northwestern, 37-38; dean students, dir. summer sessions & vet. bur. & prof. econ. & bus. admin, Washburn Col, 39-46; asst. prof. MKT, Cincinnati, 46-47; assoc. prof, ILLINOIS, URBANA, 47-53, PROF, 53- Mem. firm, Wales Advert. Agency; Mod. Mkt. Res. Assocs, Inc; Atlas Res. & Develop. Corp. Mkt. Assn.(secy; v.pres, 58); Econ. Assn; Watchmakers Inst; Int. Soc. Gen. Semantics. Cases and problems in marketing research. Publ: Co-auth, Promotional strategy, Irwin, 68. Address: Dept. of Marketing, University of Illinois College of Commerce, Box 61, Commerce, Urbana, Ill. 61803.
- WALGREEN, DR. JOHN ARTHUR, b. Milton, Mass, May 23, 38; m. 66; c. 1. ECONOMICS. B.A., Boston Col, 60, M.A., 63, Ph.D.(econ), 65. Instr. econ, Stonehill Col, 63-65; econ. analyst, U.S. Dept. Defense, 67; ASST. PROF. ECON, WHEATON COL.(MASS), 67- Consult. Off. Secy. Defense, 68- U.S.A., 65-67, Res, 67-, Capt. Econ. Assn. Industrial organization; systems analysis; economic theory; money and banking. Publ: Co-auth, Comment: entry and oligopoly theory, J. Polit. Econ, 8/65. Address: Dept. of Economics, Wheaton College, Norton, Mass. 02766.
- WALINKSY, LOUIS J(OSEPH), b. London, Eng, Apr. 19, 08; nat; m. 36, 47; c. 3. ECONOMICS. B.A., Cornell, 29; Instr. pub. schs, N.Y., 30-43; econ. consult, War Prod. Bd, 43-45, dir. mat. div, 46; off. econ. rev. & anal, Civilian Prod. Admin, 47; financial dir, World Orgn. Rehab. Through Training Union, 47-49; mem, Robert R. Nathan Assocs, Wash, D.C., 49-59, v.pres, 62-63; CONSULT. ECON, 63- Chief economist, adv. group, Burma, 53-59; consult, World Bank Mission Venezuela, 65; Atlantic Prov. Res. Bd, Can, 66; Territory Papua & New Guinea, 67. Mem, Twentieth Century Fund, 60-61. Econ. Assn; Soc. Econ. Develop. National economic planning; economic policy; problems of income distribution and redistribution. Publ: Planning and execution of economic development, McGraw, 63; co-auth, Planning economic development, Irwin, 63; auth, Economic development in Burma. Address: 3709 Bradley Lane, Chevy Chase, Md. 20015.
- WALK, PROF. RICHARD D(AVID), b. Ft. Dix, N.J., Sept. 25, 20; m. 50; c. 3. PSYCHOLOGY. A.B., Princeton, 42; M.A., Iowa, 47; Ph.D.(soc. psychol), Harvard, 51. Res. assoc. PSYCHOL, HUMERRO, 52-53; asst. prof, Cornell, 53-59; assoc. prof, GEORGE WASHINGTON, 59-64, PROF, 64- Vis. prof, Mass. Inst. Tech, 65-66. U.S.A., 42-45, 51-52, Res, 52-, Lt. AAAS; Psychol. Assn; Soc. Res. Child Develop; Psychonomic Soc. Psychology and development of perception; concept formation. Address: Dept. of Psychology, George Washington University, Washington, D.C. 20006.
- WALKER, DEAN ALAN M(CNAUGHT), b. Palo Alto, Calif, Oct. 12, 24; m. 48; c. 5. SOCIAL PSYCHOLOGY. A.B., Stanford, 48, M.A., 50; Ph.D.(soc. psychol), Michigan, 53. Asst. study dir, surv. res. center, Michigan, 51-53; asst. prof. psychol. & community dynamics, Earlham Col, 53-58; dir. community develop. prog, GODDARD COL, 58-65, DEAN NORTHWOOD CAMPUS, 65- U.S. Pub. Health Serv. res. fel, Wisconsin, 57-58. Dir. Peru Prog, Am. Friends Serv. Cmt, 63-65. Psychol. Assn. Client-centered psychotherapy; personality development. Publ: Some relations between community development and Rogers' client-centered therapy, Community Develop. Rev; Development of a scale to measure process changes in psychotherapy, J. Clin. Psychol; Sense of effectiveness in public affairs, Psychol. Monogr. Address: Plainfield, Vt. 05667.
- WALKER, DR. CHARLS E(DWARD), b. Graham, Tex, Dec. 24, 23; m. 49; c. 2. FINANCE. B.B.A., Texas, 47, M.B.A., 48; Ph.D.(econ), Pennsylvania, 55. Instr. finance, Wharton Sch. Finance & Commerce, Pennsylvania, 48-50; asst. prof, Texas, 50-53, assoc. prof, 53-54; financial economist, Fed. Reserve Bank Dallas, 54-55, econ. adv. 56-57, v.pres. & econ. adv. 57-59; asst. to U.S. Secy. Treas, 59-61; EXEC. V.PRES, AM. BANKERS ASSN, 61- Assoc. economist, Fed. Reserve Bank Phila, 53; economist, Repub. Nat. Bank Dallas, 55-56. U.S.A.A.F., 42-45, 2nd Lt. Econ. Assn; Finance Assn. Finance; monetary policy; international finance. Publ: Co-auth, The bankers handbook, Irwin, 66; auth, Federal reserve policy and the structure of interest rates on government securities, Quart. J. Econ; Discount policy in the light of recent experience, J. Finance. Address: 90 Park Ave, New York, N.Y. 10016.
- WALKER, DR. C(LARENCE) EUGENE, b. Monongahela, Pa, Jan. 8, 39; m. 64; c. 1. PSYCHOLOGY. B.S., Geneva Col, 60; Nat. Insts. Health fel, Purdue, 60-61, M.S., 63, Ph.D.(clin. psychol), 65. Psychol. trainee, Vet. Admin. Neuropsychiat. Hosp, Marion, Ind, 61-62; regional off. ment. hyg. clin, Indianapolis, 62-63; W.Tenth St. Vet. Admin. Hosp, 63, clin. psychol. intern, 63-64; asst. prof. psychol, Westmont Col, 64-68, chmn. div. ed. & psychol, 66-68, dir. instnl. res, 67-68; ASST. PROF. PSYCHOL, BAYLOR, 68- Clin. psychol. intern, child guid. clin, Riley Childrens Hosp, 63-64; consult, psychol. dept, Camarillo State Hosp, 65, staff psychologist, 65-68; private practice, 65-68. Book rev. ed, Clin. Psychologist, div. clin. psychol. newsletter, Am. Psychol. Assn, 68-, ed. cor. cmt. fifty newsletter, div. clin. psychol, 67- AAAS; Psychol. Assn; Am. Sci. Affiliation; Soc. Sci. Study Relig. Psychological testing and measurement; psychopathology; psychotherapy; teaching of psychology; psychology of religion. Publ: Co-auth, The use of students as therapists and researchers in a state mental hospital, In: Psychotherapy: theory research, and practice, 67; auth, The effect of eliminating offensive items on the reliability and validity of the MMPI, J. Clin. Psychol, 7/67; co-auth, Birth order and student characteristics: a replication, J. Consult. Psychol, Vol. 31, No. 2. Address: Dept. of Psychology, Baylor University, Waco, Tex. 76703.
- WALKER, DR. CRAYTON C, b. Chickasha, Okla, Oct. 2, 32; m. 64; c. 2. PSYCHOLOGY. B.A., Rice, 54; A.M., Illinois, Urbana, 61, Ph.D.(psychol), 65. Res. asst. psychol, Illinois, Urbana, 62-64; instr. psychol & elec. eng, Illinois 64-65; ASST. PROF. PSYCHOL, CALIFORNIA, LOS ANGELES, 65- U.S.N., 54-57, Lt.(jg). AAAS; Psychol. Assn; Asn. Comput. Mach; Inst. Elec. & Electronic Eng. Use of automata theory in psychology; study of the very complex system particularly as related to psychological problems. Publ: Co-auth, Instability of pulse activity in a net with threshold, Nature, 62, On temporal characteristics of behavior in certain complex systems, Kybernetik, 66 & Genius, In: Foundations of abnormal psychology, Holt, 68. Address: Dept. of Psychology, University of California, Los Angeles, Calif. 90024.

WALKER, DR. DEWARD EDGAR, JR, b. Johnson City, Tenn, Aug. 3, 35; m. 59; c. 2. ANTHROPOLOGY. B.A. Oregon, 61, Ph.D.(anthrop), 64. Appl. anthropologist, United Presby. Church, 63-64; asst. prof. George Washington, 64-65; Washington State, 65-67; ASSOC. PROF. ANTHROP. & CHMN. DEPT. IDAHO, 67- Nat. Sci. Found. res. grants, 64-65 & 67-68; appl. anthropologist, Am. Indian Civil Liberties Trust & Nez Perce Tribe, Idaho, 66-67; res. grant, Washington State, 65-68. Ed. Northwest Anthropol. Res. Notes, 67-68. U.S.A., 54-56, Sgt. AAAS; fel. Anthropol. Asn; Ethnol. Soc; Acad. Polit. & Soc. Sci. Acculturation, religion and social organization of the native peoples of northwestern North America and Africa. Publ: Conflict and schism in Nez Perce acculturation, Washington State Univ, 68; Mutual cross-utilization of economic resources in the Plateau, Report of Investigation 41, Lab. Anthropol, Washington State Univ, 67; An examination of American Indian reaction to proposals of the Commissioner of Indian Affairs for general legislation, Northwest Anthropol. Res. Notes Mem, 67. Address: Dept. of Sociology & Anthropology, University of Idaho, Moscow, Idaho 83843.

WALKER, DR. DILWORTH, Econ, see 10th ed, Soc. & Behav. Vols, deceased 66.

WALKER, DR. DONALD E(VERETT), b. Wis, Nov. 22, 28; m. 48; c. 3. PSYCHOLOGY, COMPUTATIONAL LINGUISTICS. Soc. Sci. Res. Coun. fel, Yale & Indiana, 52-53; Ph.D.(psychol), Chicago, 55. Asst. prof. psychol, Rice, 53-61; mem. tech. staff, syst. sci. dept. MITRE CORP, 61-62, HEAD LANG. & TEXT PROCESSING, 62- Res. psychologist, Vet. Admin. Hosp, Houston, Tex, 57-62, res. assoc, 59-60; Nat. Inst. Ment. Health res. grant, 59-60; clin. asst. prof. col. med, Baylor, 60-62; guest, center commun. sci, res. lab. electronics, Mass. Inst. Tech, 61-; summer, vis. asst. prof. & res. assoc, Chicago, 55. Mem. bd. governors, Am. Fedn. Info. Processing Soc. 67- Psychol. Asn; Ling. Soc; Asn. Computing Mach; Asn. Mach. Trans. & Comput. Ling.(v.pres, 67, pres, 68); Document. Inst. Computational linguistics; information sciences; on-line computer-based text processing and question answering systems; psycholinguistics; creativity and problem solving; philosophical foundations of psychology. Publ: Co-auth. Information system science, Spartan, 65; auth. English preprocessor manual, Mitre Corp, 65; Information system science and technology, Thompson, 67. Address: Mitre Corp, Bedford, Mass. 01730.

WALKER, DR. DONALD E(ZZELL), b. Springfield, Mo, July 13, 21; m. 43; c. 1. SOCIOLOGY. A.B. Southern California, 43, M.Th, 47; Ph.D.(sociol), Stanford, 54. Instr. sociol, San Diego State Col, 49-52, asst. prof, 52-54, assoc. dean students, 54-56, dean counseling & testing, 56-58; dean students, San Fernando Valley State Col, 58-60; pres, Idaho State, 60-64; dean students, Sonoma State Col, 64-66; V.CHANCELLOR STUDENT AFFAIRS & SR. LECTR. GRAD. SCH. ADMIN, CALIFORNIA, IRVINE, 66-, fel. univ. col, 67-68. Mem. West. Interstate Cmn. Higher Ed; State Cmt. Fulbright Scholar, Idaho, 61-64. Sociol. Asn. Counseling theory: psychosomatic medicine; theory of administration. Publ: Crisis in student personnel; A survey and critical evaluation of the religious ideas of Sigmund Freud with emphasis on method: Intropunitive tendency in patients with gastro-intestinal cancer. Address: University of California, Irvine, Calif. 92664.

WALKER, DR. EDMUND FRANK, Neurol, Psychiat, see 11th ed, Phys. & Biol. Vols.

WALKER, PROF. EDWARD E(VERETT), Sociol, see 10th ed, Soc. & Behav. Vols.

WALKER, PROF. EDWARD L(EWIS), Psychol, see Suppl. V to 11th ed, Phys. & Biol. Vols.

WALKER, PROF. ERNEST W(INFIELD), b. McComb, Miss, Sept. 14, 17; m. 49; c. 2. B.B.A. & M.B.A. Mississippi, 48; D.B.A.(finance), Indiana, 53. Asst. prof. finance, Drake, 51-54; assoc. prof. mgt, TEXAS, AUSTIN, 54-58, FINANCE, 58-61, PROF, 61-, chmn. dept, 61-65. Finance exam, Tex. Cmn. Higher Ed, 56-57, 58-59. Consult, Detecogas Instruments, Inc, 58-61; Tracor, Inc, 62-; Ill. Crude Oil, Inc, 63-; Hill Chem, Inc, 66-67; Mesa Instruments, Inc, 68- U.S.A., 42-45, Capt. Finance Asn; Soc. Adv. Mgt. Financial management and financial institutions; financial decision making; financial policy making; optimum capital structure determination; working capital theory; management in the private sector; investment decision making in institutions of higher learning. Publ: Co-auth. Financial planning and policy, Harper, 61; auth. Essentials of financial management, Prentice-Hall, 65; co-auth. Case problems in financial management, Appleton, 68. Address: 3402 Taylors Dr, Austin, Tex. 78703.

WALKER, DEAN EVERETTE LEROY, b. Maquon, Ill, Oct. 26, 17; m. 45; c. 3. SOCIOLOGY. A.B. Knox Col, 43; M.A. Chicago Theol. Sem, 45; Chicago, 46, 49; Ed.D.(guid), Indiana, 53. Asst. to dean, Evansville Col, 46-48, assoc. prof. sociol, 46-55, dir. student personnel serv, 48-55; dean & registr. Lambuth Col, 55-57; assoc. dir. div. higher ed, Methodist Bd. Ed, Tenn, 57-61; V.PRES. & DEAN, ILL. WESLEYAN, 61- Publ: Counseling relationships of students and faculty in five midwestern colleges; Techniques of personal and social reconstruction; Adjustment problems of students at Evansville College according to types of housing. Address: Illinois Wesleyan University, Bloomington, Ill. 61701.

WALKER, DR. FRANCIS E(DWIN), b. Morris, Ill, Nov. 29, 31; m. 51; c. 3. AGRICULTURAL ECONOMICS, STATISTICS. B.S. Illinois, 54, M.S. 58, Ph.D.(agr. econ), 60. Asst. prof. AGR. ECON, Purdue, 60-61, OHIO STATE, 61-64, ASSOC. PROF, 64- U.S.A., 54-56, 1st Lt. Statist. Asn; Agr. Econ. Asn; Economet. Soc. Estimation of structure of the United States agricultural economy; operations research tools in marketing. Address: Dept. of Agricultural Economics, Ohio State University, Columbus, Ohio 43210.

WALKER, DR. GEORGE M, b. Tamaqua, Pa, Oct. 25, 29; m. 58; c. 2. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A. Pa. State, 61, Nat. Defense Ed. Act fel, 61-65, M.A., 63, univ. fel, 63-65, Ph.D.(polit. sci), 68; vis. fel, Ife, Nigeria, 64-66. LECTR. PUB. HEALTH ADMIN, MICHIGAN & RES. ASSOC. INST. PUB. ADMIN, 66- U.S.A., 48-55, 1st Lt. Polit. Sci.

Asn; Soc. Pub. Admin. Decisional processes in determination and implementation of public policy, especially health policy and the delivery of health services. Publ: Income tax in western Nigeria: what priority?, 65 & Tax administration: the West's experience, 66, Nigerian Opinion; Personal tax administration: administrative crisis, In: Administration, Univ. Ife, 68. Address: Dept. of Community Health Service, 3002 School of Public Health, University of Michigan, Ann Arbor, Mich. 48104.

WALKER, DR. GILWEE, b. Kansas City, Mo, Mar. 19, 28; m. 54; c. 4. PSYCHOLOGY. M.S. Southern California, 53; M.A. Calif. State Col. Long Beach, 54; Ph.D.(psychol), Washington (Seattle), 60. PSYCHOLOGIST, VET. ADMIN. HOSP, Seattle, Wash, 60-62, PALO ALTO, CALIF, 62- Psychologist, parole outpatient clin, Calif. State Dept. Corrections, 63-66; Instr. Col. San Mateo, 64- U.S.N., 45-46; U.S.A.F.R., 50-51. AAAS; Psychol. Asn. Behavior and cognitive modification via objective techniques; social and community psychology. Address: Veterans Administration Hospital, 3801 Junipero Serra, Palo Alto, Calif. 94304.

WALKER, PROF. HARLEY JESSE, Geog, see 11th ed, Phys. & Biol. Vols.

WALKER, PROF. HARRY J, Sociol, see 10th ed, Soc. & Behav. Vols, deceased 59.

WALKER, PROF. HARVEY, b. Des Moines, Iowa, Feb. 24, 00; m. 24; c. 3. POLITICAL SCIENCE. A.B. Kansas, 23; A.M. Minnesota, 27, Ph.D., 28; J.D. Ohio State, 48. Asst. prof. POLIT. SCI, OHIO STATE, 28-31, assoc. prof, 31-33, prof, 33-67, EMER. PROF, 67- Soc. Sci. Res. Coun. fel, 32-33; guest prof, American Univ, 35; Idaho, 49; Southern Illinois, 56; Cologne, 61. State supt. budget, Ohio, 29-31; mem, Ohio Fulbright Cmt, 65- UN Tech. Assistance Expert, Brazil, 51-52; Cent. Am, 56-57. U.S.A., 41-44, Lt. Col. Polit. Sci. Asn.(asst. secy-treas, 41-47; secy-treas, 47-50); Soc. Pub. Admin; Pub. Personnel Asn; Int. City Mgr. Asn; fel. Royal Inst. Pub. Admin; Int. Polit. Sci. Asn. Public administration; state and local government; municipal ordinance making; legislation; administrative law. Publ: The legislative process; co-auth. Government and administration of Ohio; auth. Public administration in the United States. Address: 99 W. South St, Worthington, Ohio 43085.

WALKER, PROF. HELEN M(ARY), b. Keosauqua, Iowa, Dec. 1, 91. STATISTICS. Ph.B. Iowa Wesleyan Col, 12, LL.D., 42; M.A. Columbia, 22, fel, 26-27, Ph.D.(statist. theory), 29; London, 36. Asst. prof. math, Kansas, 22-24, assoc. prof, 24-25; lectr, TEACHERS COL, COLUMBLA, 25-26, assoc, 27-29, asst. prof. ed, 29-36, assoc. prof, 36-40, 40-47, chmn. cmt, Ph.D. degree, adv. sch, 43-47, EMER. PROF. ED, 57- Vis. prof, California, Los Angeles, summers, 27, 47 & 57; Fulbright lectr, Chile, 58; Int. Christian Univ. & Tokyo Univ, Japan, 58-59; vis. prof, Illinois, 61; Claremont Grad. Sch, 65-66 & 67-68; Pitzer Col, 66-67. Consult, U.S. Agency Int. Develop, India, 61-63. Ed. Res. Asn.(secy-treas, 40-43, v.pres, 48, pres, 49); fel. Statist. Asn.(pres, 44); History of statistical method; statistical theory and method. Publ: Mathematics essential for elementary statistics; Studies in the history of statistical method; co-auth. Statistical inference, Holt, 53. Address: 926 W. Harrison, Claremont, Calif. 91711.

WALKER, DR. HUGH DOUGLAS, b. Toronto, Ont, Jan. 31, 38; m. 61; c. 3. ECONOMICS. B.A. McGill, 59; Ph.D.(econ), Vanderbilt, 67. Instr. ECON, Vanderbilt, 63-64, 65-66; Univ. of the South, 64-65; lectr, INDIANA, 66-67, ASST. PROF, 67-, consult, regional med. prog, med. center, 67-68. Consult, Ont. Hosp. Serv. Cmn, 68-69. Am. Econ. Asn; Can. Econ. Asn. Economics of health; industrial organization and public policy; micro-economic theory. Publ: Market power and price levels in the ethical drug industry, Indiana Univ, 68. Address: Dept. of Economics, Indiana University, Bloomington, Ind. 47401.

WALKER, DR. JAMES T, b. Salem, Ky, Oct. 24, 27; m. 49; c. 2. PSYCHOLOGY. B.S. Oklahoma, 50; M.A. Colorado, 65, Ph.D.(psychol), 66. Petrol. geologist, Sinclair Oil & Gas Co, 50-52; Vickers Petrol. Co, Inc, 52-56; independent petrol. geologist, 56-62; ASST. PROF. PSYCHOL, MISSOURI, ST. LOUIS, 66- U.S.A.A.F., 46-47. AAAS; Psychol. Asn. Visual perception; computer simulation of learning. Address: Dept. of Psychology, University of Missouri, St. Louis, Mo. 63130.

WALKER, DR. JOHN E, b. Portland, Maine, Mar. 20, 36; m. 56; c. 1. ECONOMICS. B.S. Clemson, 58; Ph.D.(econ), Virginia, 63. Asst. prof. econ, Ohio, 61-62; economist, Res. Triangle Inst, 64-65; res. dir, Investment Bankers Asn. Am, 65-67; ASSOC. PROF. ECON, LEHIGH, 67- U.S.A., 62-64, Capt. Am. Econ. Asn; Royal Econ. Soc. State and local securities, especially underwriting arrangements and market yields. Publ: Characteristics of the municipal bond market for new issues, 12/66 & Municipal bond underwriting, 12/66, Joint Econ. Cmt. U.S. Cong. Address: Dept. of Economics, Lehigh University, Bethlehem, Pa. 18015.

WALKER, DR. JOHN L(ESTER), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 66.

WALKER, DR. LAWRENCE C(LINTON), b. Chicago, Ill, Dec. 14, 23; m. 46; c. 2. PSYCHOLOGY. B.A. Roosevelt, 50; M.S. Wisconsin, 52, Ph.D.(psychol), 54. Lectr. & asst. prof. psychol, Alberta, 54-56; res. psychologist, Air Force Cambridge Res. Center, Mass, 56-58; mem. staff human factors dept, fed. sys. div, Int. Bus. Mach. Corp, 58-63; mem. prfl. staff, Mitre Corp, 63-65; ASSOC. PROF. PSYCHOL, BRADLEY, 65- U.S.N., 43-46. Psychol. Asn. Application of principles of learning to human social behavior; problem solving. Publ: Co-auth. Improving radar trail detection in clutter & Effect of field size and luminance on the binocular summation of suprathreshold stimuli, J. Optical Soc. Am; Rest and warmup in bilateral transfer, J. Exp. Psychol, 57. Address: Dept. of Psychology, Bradley University, Peoria, Ill. 61606.

WALKER, DEAN PINKNEY C(ALVIN), b. Graham, Tex, Nov. 2, 17; m. 39; c. 2. ECONOMICS. B.B.A. Texas, 39; M.B.A. Pennsylvania, 40, Ph.D. (econ), 55. Instr. finance, MISSOURI, 40-42, asst. prof, 42-43, assoc. prof. ECON, 46-55, PROF, 55-, DEAN SCH. BUS. & PUB. ADMIN, 64-, chmn.

- dept. econ, 60-62. U.S.N.R. 43-46. Econ. Asn. Distribution theory; monetary theory. Publ: Economics of income distribution, 60; Interest theories of Boehm-Bawerk, Fisher and Keynes: a critique, 55; A neglected aspect of the housing problem. Address: School of Business & Public Administration, University of Missouri, Columbia, Mo. 65201.
- WALKER, DR. RENA B(ONNER), b. Tex, Aug. 20, 00. PSYCHOLOGY. Ed.D. (psychol), Columbia, 53. DIR. FAMILY GUID. & ED. CENTER OF TEX, 56-Private practice, 48- W.A.C. 44-45. Marriage and divorce counseling; premarital counseling; personal analysis. Address: 3709 Montrose Blvd, Houston, Tex. 77006.
- WALKER, PROF. RICHARD LOUIS, b. Bellefonte, Pa, Apr. 13, 22; m. 45; c. 3. COMPARATIVE GOVERNMENT, INTERNATIONAL RELATIONS. A.B. Drew, 44; cert. Pennsylvania, 44; univ. fel. & M.A. Yale, 47, Rockefeller Found. fel, 47-48, Chinese Govt. Cultural fel, 48-49, Sterling fel, 49-50, Ph.D.(int. rels), 50. Asst. prof. Chinese & Asian hist, Yale, 50-57; prof. INT. STUDIES & head dept, SOUTH CAROLINA, 57-59, JAMES F. BYRNES PROF, 59-, DIR. INST. INT. STUDIES, 61- Vis. assoc. prof, Nat. Taiwan Univ, 54-55; prof, Nat. War Col, 60-61; Fulbright res. scholar, Taiwan, 65-66. Summers, vis. prof, Washington (Seattle), 59 & 65. Consult, U.S. Govt, 53-54; ed. adv. cmt. ed. communism, Am. Bar Asn, 64- Mem. Am. Bur. Med. Aid to China; Am-Asian Ed. Exchange; Inst. Am. Strategy; Nat. Cmt. U.S.-China Rel. 67- U.S.A. 42-46, 50, Res. 48-50, 50-53, 1st Lt. Asn. Asian Studies; Oriental Soc; Hist. Soc; Polit. Sci. Asn; Int. Studies Asn. Chinese history, international relations of the Far East and comparative institutions, especially of the modern period. Publ: Edward R. Stettinius, Jr, Vol. 14, 66, In: The American secretaries of state and their diplomacy, Cooper; Democracy confronts communism in world affairs, 64 & The China danger, 66, Am. Bar. Asn. Address: Dept. of International Studies, University of South Carolina, Columbia, S.C. 29208.
- WALKER, DR. RICHARD N(ORRIS), b. Greenwich, Conn, Apr. 11, 28. PSYCHOLOGY. B.A. Yale, 49; M.A. Minnesota, 51, fel, 52-53, Ph.D.(child develop), 57. Head teacher, nursery sch, Child Study Center, Yale, 49-50; asst. child develop, Minnesota, 52; from res. asst. to DIR. RES. GESELL INST. CHILD DEVELOP, 52- Vis. lectr, South. Conn. State Col, 54. McCormick Mem. Fund fel, 58-60. Psychol. Asn; Soc. Res. Child Develop. Physical and emotional growth in children; physique-behavior relationships; diagnostic methods; projective techniques. Publ: Co-auth, Child Rorschach responses, 52 & auth, Adolescent Rorschach responses, 59, Harper; Body build and behavior in young children, Monogr. Soc. Res. Child Develop, 62. Address: Gesell Institute of Child Development, 310 Prospect St, New Haven, Conn. 06511.
- WALKER, PROF. ROBERT A(VERILL), b. Spokane, Wash, Jan. 11, 14; m. 34; c. 3. POLITICAL SCIENCE. A.B. Chicago, 34, univ. fel, 35-37, Soc. Sci. Res. Coun. fel, 37-38, Ph.D. 40. Asst. Chicago, 37-38, 40; asst. res. technician, Nat. Resources Planning Bd, 39-40; asst. to dir. finance, off. budget & finance, U.S. Dept. Agr, 40-45, asst. dir, 45; dir. inst. citizenship, Kans. State Col, 45-48; asst. dir. for. serv. inst, U.S. Dept. State, 48-49; assoc. prof. POLIT. SCI. STANFORD, 49-54, PROF, 54-, DIR. GEN. STUDIES, 56-, DIR. OVERSEAS CAMPUSES, 60-, chmn. dept. polit. sci, 58-63. Vis. prof, Tokyo, 52; Fulbright lectr, Col. of Europe, 55. Consult, Calif. State Ed. Ed, 63-67. Polit. Sci. Asn; Soc. Pub. Admin. Public administration; planning; international relations. Publ: Planning function in urban government; America's manpower crisis; co-auth, How California is governed. Address: Overseas Campuses Program, Stanford University, Stanford, Calif. 94305.
- WALKER, DR. ROBERT (GREGORY), b. Boston, Mass, Sept. 18, 21; m. 47; c. 4. PSYCHOLOGY. B.S. Boston, 45, M.A. 46; Puerto Rico, 43-44; Ph.D. Southern California, 50. Clin. psychologist, Vet. Admin. Hosp, 50-56; res. psychologist, PSYCHIAT. EVAL. PROJ. VET. ADMIN. HOSP. BROCKTON, 56-67, SPEC. ASST. TO HOSP. DIR. FOR EVAL. PATIENT CARE, 67- Psychol. Asn. Development of a general adjustment rating scale for evaluation of mental and social adjustment; incorporation of psychiatric evaluation into ongoing data processing programs. Publ: Short term psychotherapy with hospitalized schizophrenic patients, Acta Psychiatrica et Neurologica Scandinavica, 60; Mistreatment of the mentally ill, Am. J. Psychiat, 64; New patients can do meaningful work, Hosp. & Community Psychiat, 67. Address: 854 Union St, North Marshfield, Mass. 02059.
- WALKER, DR. ROBERT NEWTON, b. Johnstown, Pa, Nov. 2, 11; m. 34; c. 3. PSYCHOLOGY. B.S. Virginia, 33, res. fel, 37-39, Ph.D. 39; M.Ed. Pittsburgh, 37. Asst. prof. ed, Wilson Col, 39-41; supvr. student teaching, Pa. State Teachers Col, West Chester, 46-51; prof. ed. & psychol. & res. analyst, Off. Surg. Gen, U.S. DEPT. ARMY, 51-57, CONSULT, INTEL. DIV, 58- Lectr, Maryland, Virginia & American Univ, 51-52; prof. lectr, American Univ, 52-53, adj. prof, 53-, consult, spec. ops. res. off, 63-66; lectr, FBI Nat. Acad, 65-66; inspector gen. off, U.S. Dept. Agr, 66. Consult, U.S. Dept. Army, D.C. 57-63; model sch. div, UPO, D.C. Pub. Schs, 64-65; ed. adv, Arlington-Alexandria-Fairfax, Va. Police Acad. Res. consult, Int. Asn. Chiefs of Police, D.C. 65-67. U.S.A. 41-46, Lt. Col. Psychol. Asn; Sociol. Asn; Nat. Soc. Study Ed; Asn. Mil. Surg. Psychological warfare; role perception of police officers. Publ: Procedures to facilitate the induction and adjustment of beginning teachers; Training police for work with juveniles, Int. Asn. Chiefs Police, 66. Address: 2629 Pocomoke St. N, Arlington, Va. 22207.
- WALKER, DR. ROBERT SEARLES, b. Detroit, Mich, June 4, 30; m. 56; c. 1. POLITICAL SCIENCE. B.A. California, Los Angeles, 52, M.A. 54, Ph.D. (polit. sci), 59. Asst. POLIT. SCI. Inst. Slavic Studies, California, 52-53; California, Los Angeles, 53-56; instr, Michigan, 56-58; asst. prof, Okla. State, 58-65; ASSOC. PROF. & CHMN. DEPT. TRINITY (TEX), 65- Summer asst. prof, California, Los Angeles, 62; field dir, Human Interaction Res. Institute, Los Angeles, Calif, 67- Dir. Econ. Opportunities Develop. Corp, Tex, 68- Polit. Sci. Asn. General field of public law, especially United States constitutional law and judicial process. Publ: Constitutional and legal development of the Writ of Habeas Corpus as the writ of liberty; The American reception of habeas corpus; co-auth, Oklahoma goes wet: the repeal of prohibition. Address: Dept. of Political Science, Trinity University, San Antonio, Tex. 78212.
- WALKER, DR. ROBERT Y(ULE), b. Vancouver, B.C, Feb. 7, 04; nat; m. 29. PSYCHOLOGY. B.A. Oregon, 29, M.A. 30; Ph.D.(exp. psychol), Iowa, 33. Asst. Iowa, 30-33, instr. psychol, 33-35; Ohio State, 35-40, res. assoc. Nat. Res. Coun. proj, univ. res. found, 40-41, supvr. res, 41-44; dir. inst. aviation psychol, Tennessee, 44-46; res. psychologist, Naval Res. Lab, 46-47; from asst. to assoc. prof. psychol. & supvr. res. proj, U.S. Air Force, Md, 47-50; chief psychol. dept, U.S. Army Med. Res. Lab, Ft. Knox, 50-57; STAFF ENGR. HUMAN FACTORS, BOEING CO, 57- Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn. Human factor problems of space vehicles. Address: 8877 42nd. Ave. S.W, Seattle, Wash. 98116.
- WALKER, PROF. ROGER W, b. Milwaukee, Wis, Oct. 21, 31; m. 53; c. 6. ECONOMICS, INDUSTRIAL RELATIONS. D.B.A. Miami (Fla), 53, M.S. 54; Ph.D.(indust. & labor rels), Cornell, 58. Prog. analyst, President's Cmn. Vet. Pensions, 55-56; consult. personnel admin, Tenn. Valley Authority, 56-57; placement officer, N.Y. State Sch. Indust. & Labor Rel. Cornell, 57-58; soc. ins. res. analyst, bur. employ. security, U.S. Dept. Labor, 58-60; chief manpower br. off. personnel serv, nat. security agency, U.S. Dept. Defense, 60-61; prof. econ. & chmn. dept, Hamline, 61-67; PROF. BUS. ADMIN. COL. BUS, VA. POLYTECH, 67- Nat. Sci. Found. res. grant tech. change agr. implements indust, Iowa State, 63-65, vis. lectr, 66. Indust. Rel. Res. Asn; Econ. Asn; Acad. Polit. & Soc. Sci. Cost benefit analysis of social insurance programs; effectiveness of preretirement planning programs; organized American labor and social legislation; public and private income security; impact of technological change on local unions. Publ: An evaluation of preretirement planning in American industry, Int. Labor Rel. Res. Cornell, 59; co-auth, Factors influencing the economic growth rate of the mid-western states, North Star Res. Inst, 64; auth, Unemployment insurance and current unemployment problems: work sharing, an answer?, Labor Law J, 4/65. Address: College of Business, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- WALKER, SCOTT A(LLEN), Agr. Econ, see 10th ed, Soc. & Behav. Vols.
- WALKER, DR. STROTHER H(OLLAND), Math, Statist, see 11th ed, Phys. & Biol. Vols.
- WALKER, DR. TERRY M, b. Chicago, Ill, Dec. 15, 38; m. 60; c. 2. OPERATIONS RESEARCH, COMPUTER SCIENCE. B.S. Fla. State, 61; Univac fel, Alabama, 62-64, univ. fel, 64-65, Ph.D.(statist), 66. Asst. prof. comput. sci. & economet, Ga. State Col, 65-67; ASSOC. PROF. QUANT. MGT. SCI. HOUSTON, 67- Lectr. & Ford Found. consult, Atlanta, 66-67. Asn. Comput. Mach; Statist. Asn. Simulation of industrial processes; distribution sampling of statistical populations. Address: Dept. of Quantitative Management Science, University of Houston, Houston, Tex. 77004.
- WALKER, DR. WILLARD BREWER, b. Boston, Mass, July 29, 26; m. 52; c. 2. ANTHROPOLOGY, LINGUISTICS. A.B. Harvard, 50; M.A. Arizona, 53; Ph.D.(gen. ling), Cornell, 64. Summer instr, Cornell, 61, Nat. Inst. Ment. Health res. fel. comp. study codes & models, 63; res. assoc. Cherokee lit. & lang, Chicago, 64-66; ASST. PROF. ANTHROP. WESLEYAN, 66- Consult, Headstart Progs, Off. Econ. Opportunity, summer, 65. Anthropol. Asn; Soc. Appl. Anthropol; Ling. Soc. Am. American Indian cultures and languages; application of linguistic analysis to current social problems; language as a key to world-view; native American Indian writing systems; Indian education; action anthropology. Publ: Cherokee primer, Carnegie Cross-Cultural Ed. Proj, Univ, Chicago, 65; co-auth, Cherokee stories, Wesleyan, 66; auth, Taxonomic structure and the pursuit of meaning, Southwest. J. Anthropol, 65. Address: Dept. of Anthropology, Wesleyan University, Middletown, Conn. 06457.
- WALKER, DR. WILLIAM B(REWSTER), b. Bridgeport, Conn, May 2, 25; m. 51; c. 3. PSYCHOLOGY. A.B. Duke, 49; M.S. N.C. State Col, 52; Ph.D. (psychol), Western Reserve, 55. Asst. interest res, Duke, 48-52; res. assoc, personnel res. inst, Western Reserve, 52-54; res. psychologist, Gen. Elec. Co, 54-56, consult. employee rels, 56-58, behav. res, 58-59, employee rels. res, power transformer dept, 59-60, mgr. prfnl. rels, ord. dept, 60-63; mgr. personnel practices, XEROX CORP, 63-66, V.PRES. PERSONNEL, 66- Mem. human resources develop. cmt, U.S. Chamber Commerce, 66- U.S.C.G. 43-46. Psychol. Asn. Test construction and analysis; personnel selection and placement; public opinion and attitude measurement; personnel appraisal and development. Publ: Study of factors relating to effectiveness of a performance appraisal program, Personnel Psychol; Need for achievement and risk preferences as they relate to attitudes toward reward systems and performance appraisal & Validity of personnel assessments by professional psychologists, J. Appl. Psychol. Address: Xerox Corp, Xerox Square, Rochester, N.Y. 14604.
- WALKER, DR. WILLIAM SQUIRE, b. Pittsburgh, Pa, Sept. 21, 08; m. 52; c. 1. SOCIOLOGY, CRIMINOLOGY. B.A. W.Va. State Col, 49; M.A. N.Y. Univ. 50, Ph.D.(sociol), 56. Res. assoc, Mayor's Juvenile Delinquency Eval. Proj, 56-60; lectr. sociol, Bernard Baruch Div, City Col. New York, 60; unit supvr, New York Dept. Correction, Rikers Island, 60-61; sr. res. asst, State Div. Youth, N.Y. 61-65; ASST. PROF. SOCIOL, JOHN JAY COL, CITY UNIV. NEW YORK, 65- Consult, Methods Adv. Res. Center, 61; Patrolman MTD A Eval. Study, 66-67. New York prog. coordinator, Indiana Univ, 66. Probnt. & Parole Asn. award, 60. Sociol. Asn; Soc. Group Psychother. & Psycho-drama; Soc. Criminol. Program evaluator and administrator in area of juvenile and youthful offender programs. Publ: Role differentiation in real groups; co-auth, Authoritarianism in college and non-college oriented police, 67 & Authoritarianism in police college students and non-police college students, (in press), J. Criminal Law, Criminol. & Police Sci. Address: 1025 Lincoln Rd, West Hempstead, N.Y. 11552.
- WALKIN, DR. JACOB, b. Brooklyn, N.Y., May 18, 17. POLITICAL SCIENCE. A.B. Cornell, 38; M.A. Yale, 47; Inst. Slavic Studies adv. fel, 49-50; Ph.D. (polit. sci), California, 52. FOR. SERV. OFFICER, U.S. DEPT. STATE, 52- Lectr, George Washington, 55-56. U.S.A. 42-45. Polit. Sci. Asn. So-

viet domestic and foreign policies; American foreign policy; Yugoslav domestic and foreign policies; Indonesian politics. Publ: The rise of democracy in pre-revolutionary Russia, Praeger, 62. Address: U.S. Dept. of State, Washington, D.C. 20520.

WALL, DR. HUGO, b. Inman, Kans, Jan. 7, 01; m. 26; c. 2. POLITICAL SCIENCE. A.B. Stanford, 26, Ph.D. 29. Prof. polit. sci. & head dept, WICHITA, 29-58, dir. summer sch, 51-66, dean grad. sch, 58-66, v-pres. acad. affairs, 63-66, DIR. CENTER URBAN STUDIES, 66- Mem. Personnel Adv. Bd, Wichita, Kans, 43- Polit. Sci. Asn; Soc. Pub. Admin. Relation of government to industry; use of the license law in regulating professions and callings. Address: 1305 N. Yale, Wichita, Kans. 67208.

WALL, PROF. JOSEPH F(RAZIER), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WALLACE, PROF. ANTHONY F(RANCIS) C(LARKE), b. Toronto, Ont, Apr. 15, 23; nat; m. 42; c. 3. ANTHROPOLOGY. B.A. Pennsylvania, 47, M.A., 49, Harrison fel, 49-50, Ph.D.(anthrop), 50. Instr. anthrop, PENNSYLVANIA, 48-49, from instr. to res. asst. prof. sociol, 50-55, res. secy, behavior. res. coun, 51-55, res. assoc. prof. ANTHROP, 55-61, PROF. & CHMN. DEPT, 61-; RES. ASSOC. EAST. PA. PSYCHIAT. INST, 55-, dir. clin. res, 60-61. Soc. Sci. Res. Coun. faculty fel, 51-54; lectr, Phila. Psychoanal. Inst, 52-53. Consult, Phila. Housing Authority, 51. Mem. cmt. disaster studies, Nat. Res. Coun, 53-54; div. behavior. sci, 63-66; behavior. sci. fel. rev. panel, Nat. Inst. Ment. Health, 61-64, behavior. sci. study sect, 64-68; environ. studies panel, coop. res. prog, U.S. Off. Ed, 62-65, res. adv. coun, 65-68. U.S.A. 42-45. Fel. AAAS (chmn. sect. H, 64); fel. Anthropol. Asn; fel. Sociol. Asn. Social and psychological processes of religious and political movements; human behavior in disasters and other stress situations; ethnology and history of North American Indians; culture and cognition. Publ: King of the Delawares, Teedyuscung, 1700-1763; Culture and personality; Religion: an anthropological view, Random, 66. Address: 614 Convent Rd, Chester, Pa. 19014.

WALLACE, DR. BEN J(OE), b. Ft. Smith, Ark, Aug. 21, 37; m. 58; c. 2. ANTHROPOLOGY. B.A. Oklahoma, 61, M.A., 62; Ph.D.(anthrop), Wisconsin, 67. Intern, Midwest Univs. Consortium Int. Activities, 65-67; ASST. PROF. ANTHROP, CALIFORNIA, SANTA BARBARA, 67- Summers, Instr, Alberta, 64, Manitoba, 65, Wisconsin, 67, Agr. Develop. Coun. res. grant, 68 & vis. prof. & res. assoc. Inst. Philippine Culture, Ateneo de Manila, 68. Fel. Anthropol. Asn. Cultural ecology, social change and economic development in Southeast Asia; agricultural change in the Philippine Islands; North American Indians. Publ: The Oklahoma Kickapoo: an ethnographic reconstruction, Wis. Archaeologist, 64; Gaddang rice cultivation: a ligature between man and nature, Philippine Soc. Rev, 67; The conditioning factors inhibiting the rise of pre-Hispanic civilizations in the Philippine Islands, Asian Studies, 68. Address: Dept. of Anthropology, University of California, Santa Barbara, Calif. 93106.

WALLACE, DR. DAVID, b. Brooklyn, N.Y., Oct. 6, 08; m. 35; c. 2. SOCIOLOGY. B.S. Westminster Col.(Pa), 30; Ph.D. Columbia, 62. Mgr. mkt. res, Time Mag, 39-49; Ford Int, 49-51, Edsel Div, Ford Motor Co, 55-58; Ogilvy, Benson & Mather, 54-55; lectr, New Sch. Soc. Res, 58-61; dir. soc. res. serv, State Charities Aid Assn, 62-64; ASST. PROF. ADMIN. MED. & DIR. SOC. SCIENTIST TRAINING PROG, SCH. PUB. HEALTH & ADMIN. MED, COLUMBIA, 64- Lectr, grad. sch. bus. admin, N.Y. Univ, 57-58; sch. archit, Columbia, 62- Soc. res. consult, State Communities Aid Soc, 64-; consult, eval. soc. casework in pub. assistance setting, Dept. Health, Ed. & Welfare, 64-67, Nat. Eval. Medicaid Prog, 67-73. Sociol. Asn; Asn. Pub. Opinion Res.(secy-treas, 56-58, pres, 58-59); Pub. Health Asn. Processes of mass communication; community voting and political behavior; community organization and social behavior; public opinion. Publ: Sociology of stability and change in one suburb's voting; First Tuesday, a study of rationality in voting, Doubleday, 64; The Chemung County demonstration with dependent multiproblem families, Soc. Serv. Rev, 12/67. Address: 333 Riverside Dr, New York, N.Y. 10025.

WALLACE, PROF. DAVID L(EE), Statist, see 11th ed, Phys. & Biol. Vols.

WALLACE, DR. DWIGHT T(OUSCH), b. Oakland, Calif, May 25, 27; m. 50; c. 2. ANTHROPOLOGY, ARCHAEOLOGY. A.B. California, 50, Ph.D. 57. Researcher & proj. coordinator, Fulbright Cmn, Lima, 57-59; asst. prof. ANTHROP, North Carolina, 59-60; Georgia, 60-61; Oregon, 61-68; ASSOC. PROF, STATE UNIV. N.Y. ALBANY, 68- U.S.N.R., 45-46. Anthropol. Soc; Soc. Archaeol. Peruvian archaeology; South and Middle American culture history; technology and culture change. Publ: Early Paracas textile techniques & Cerrillos, an early Paracas site in Ica, Peru, Am. Antiq; Proto-Lima cloths from Maranga, In: Proto-Lima, a middle period culture of Peru. Address: Dept. of Sociology & Anthropology, State University of New York at Albany, Albany, N.Y. 12203.

WALLACE, DR. EARLE, b. Concord, N.C., Mar. 7, 15; m. 45; c. 2. POLITICAL SCIENCE. A.B. The Citadel, 51; M.A. North Carolina, 53, Ph.D. 59. Instr. POLIT. SCI, North Carolina, Chapel Hill, 52-54; asst. prof. The Citadel, 54-58; instr. NORTH CAROLINA, CHAPEL HILL, 56-59, asst. prof, 59-63, ASSOC. PROF, 63-, ACTING DEAN GRAD. SCH, 66-, assoc. dean, 62-66. Consult, U.S. Cmn. Outdoor Recreation, 61-62. Mem. cmt. testing, Coun. Grad. Schs, 64-65; Nat. Acad. Sci-Nat. Sci. Found. Fel. Selection Cmt, 65-67. U.S.A. 40-45, Capt. Polit. Sci. Asn. American national government, especially public law and the administration of recreation and natural resources. Publ: Administration of outdoor recreation resources in North Carolina; co-auth, Politics U.S.A.: cases in American democratic process, Macmillan, 2nd ed, 65; Durham approves a governmental center, Inter Univ. Case Progs, 68. Address: Graduate School, University of North Carolina, Chapel Hill, N.C. 27515.

WALLACE, PROF. EDWARD L, b. Orange, N.J., Feb. 27, 21; m. 47; c. 2. ACCOUNTING. M.B.A. Chicago, 47, Ph.D. 57. Asst. prof. acct, Buffalo, 52-54; assoc. prof, 55-57; prof. bus. admin. & head data processing proj, Harvard, 54-55; prof. bus. admin. & dir. ops. anal. lab, Chicago,

57-58; prof. bus. admin, Buffalo, 58-64; PROF. MGT. SCI. & ACCT. & CHMN. DEPT. MGT. SCI, STATE UNIV. N.Y. BUFFALO, 64- Consult, Rath & Strong, Mass, 54-55. U.S.A.A.F., 42-45, 1st Lt. Econ. Asn; Inst. Mgt. Sci; Am. Acct. Asn; Asn. Comput. Mach; Opers. Res. Soc. Application of quantitative methods to problems of management decision making and control; systems analysis and data processing; medical applications of decision and control theory; medical economics. Publ: Management influences on the design of data processing systems; Some comments on the statement of planning costs, Acct. Rev; Inventories, In: Accountants handbook. Address: Dept. of Management Science, State University of New York at Buffalo, Buffalo, N.Y. 14214.

WALLACE, PROF. E(LBERT) S(TEPHEN), b. Sapulpa, Okla, Dec. 11, 09. ECONOMICS. A.B. Birmingham-Southern Col, 30; A.M. Duke, 31, Ph.D., 37. Instr. econ, Duke, 33-34, 36-37; asst. prof. finance, Mias. State Col, 34-36; econ, Hendrix Col, 37-39; prof, Millsaps Col, 39-63, registrar, 47-52; DIR. BUR. BUS. RES, NEBRASKA, 63- Dist. price exec, Off. Price Admin, 42-43, regional price economist, 43-46; exec. dir, Nebr. Coun. Econ. Ed, 63-; ed, Nebr. J. Econ. & Bus, 65- Consult, U.S. Off. Ed, 66-67. Chmn, Midcontinent Res. & Develop. Coun, 66-67; membership cmt, Assoc. Univ. Burs. Bus. & Econ. Res, 65-67. Econ. Asn. Money and banking; personal finance and consumer problems; wartime price control; regional economics; economic education. Address: Bureau of Business Research, University of Nebraska, Lincoln, Nebr. 68508.

WALLACE, PROF. ERNEST, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WALLACE, GEORGE S(YLVESTER), JR, b. New York, N.Y., Feb. 4, 17. BUSINESS ADMINISTRATION. Ph.B. Notre Dame, 40; M.B.A. N.Y. Univ, 44; res. fel, Chicago, 49-50. Investment specialist, Dick & Merle Smith, N.Y., 42-45; Savings Bank Trust Co, 45-47; assoc. prof. finance, Notre Dame, 47-54; ECONOMIST, Naess & Thomas, N.Y., 54-58; PENN. POWER & LIGHT CO, 58- Econ. Asn; Finance Asn. Monetary theory and policy; inflation and anti-inflation policies in the United States. Address: Pennsylvania Power & Light Co, 901 Hamilton St, Allentown, Pa. 18101.

WALLACE, DR. IRVING (HOLT), b. Minneapolis, Minn, July 12, 17; m. 44; c. 3. ECONOMICS, MARKETING. M.A. Minnesota, 48, Ph.D.(bus. admin), 67. Asst. prof. econ, Augsburg Col, 49-50; mkt, Pa. State Col, 50-53; mgr. mkt, Flexonics div, Calumet & Hecla, Inc, 53-62; ASSOC. PROF. MGT, WIS. STATE, OSHKOSH, 62- Consult, Pursuit, 62- U.S.A. 44-45. Econ. Asn; Mkt. Asn. Derivation of empirical economic principles and organization-entity principles. Address: P.O. Box 1125, Oshkosh, Wis. 54901.

WALLACE, DR. ISABEL KING, b. Girard, Ohio, Dec. 21, 94. PSYCHOLOGY. B.A. Rochester, 16; M.A. Bryn Mawr Col, 23; Ph.D.(psychol), Chicago, 28. Personnel dir, Fla. State Col. for Women, 28-29; voc. counsr, Women's Col, Rochester, 29-60, freshman adv, 32-60, admissions dir, 32-50; sch. psychologist Monroe County, Bd. Coop. Serv, 60-66; MEM. PRFN. PSYCHOLOGIST PANEL VOC. REHAB, STATE DEPT. ED, N.Y., 67- Dipl. Am. Bd. Exam. Prfn. Psychol. Fel. Psychol. Asn. Vocations of women; educational achievement of women. Address: 29 Westmoreland Dr, Rochester, N.Y. 14620.

WALLACE, J(OHN) ROGER, b. Cambridge, Mass, Aug. 10, 02; m. 33; c. 4. ECONOMICS. A.B. Harvard, 26; Columbia, 29-30; U.S. Dept. Agr. Grad. Sch, 30-32, 35-37. Assoc. dir, Garside Cotton Serv, 26-29; assoc. economist & statistician, New York Cotton Exchange, 29-30, 32-35; economist, Fed. Farm Bd, 30-32; sr. economist & unit chief, Agr. Adjust. Admin, 35-37; dir. commodity res, Carl M. Loeb, Rhoades & Co, 37-42; chief economist, sect. chief & dep. dir. gen. statist. staff, War Prod. Bd, 42-44; chief economist & sect. chief, For. Econ. Admin, 44-46; ASSOC. ED. & ECONOMIST, J. COMMERCE, 47- Dir. econ. res, Commodity Res. Bur, 34-, assoc. ed, Commodity Yearbook. Asn. Bus. Econ; Statist. Asn. Methods and techniques for analyzing current and prospective economic trends and their impact on industries, employment, unemployment and price structure. Publ: Business outlook, Focus on business & Commodity report, J. Commerce. Address: Editorial Dept, Journal of Commerce, 99 Wall St, New York, N.Y. 10005.

WALLACE, DR. KARL MILES, b. LaVerkin, Utah, Mar. 13, 15; m. 49. SOCIALIZED PSYCHOLOGY. B.S. Brigham Young, 42, M.S. 45; Ph.D.(soc. psychol), Southern California, 47. Lectr. & counsr, Southern California, 46-48; ASSOC. PROF. SOCIOLOGICAL, CALIF. STATE COL. LOS ANGELES, 48- Private practice, 48- Sociol. Asn; Psychol. Asn; Anthropol. Asn. Marriage counseling; psychotherapy. Publ: Love is more than luck; An experiment in scientific matchmaking, Marriage & Family Living; Factors hindering mate selection, Sociol. & Soc. Res. Address: 334 N. Mission Dr, San Gabriel, Calif. 91775.

WALLACE, DR. L(UTHER) T(OMPkins), b. Evanston, Ill, Aug. 16, 28; m. 51; c. 3. AGRICULTURAL ECONOMICS. A.B. Harvard, 49; M.S. Oregon State, 56; Ph.D. Purdue, 60. Asst. agr. econ, Oregon State, 55-56; asst. prof, Nevada, 56-57; instr, Purdue, 57-60, asst. prof, 60-62, assoc. prof, 62-63; AGRICULTURIST, CALIFORNIA, BERKELEY, 63- Agr. develop. consult. Agr. Econ. Asn. Resource development and use; regional economic development; effective group organization. Publ: Co-auth, Agriculture, economics and growth, Appleton, 64; auth, Factors affecting industrial location in Southern Indiana, 1955-58, Purdue Exp. Sta. Bull, 60; co-auth, Community resource development, U.S. Dept. Agr. & Univ. Kentucky, 67. Address: Agricultural Extension Service, 319 Giannini Hall, University of California, Berkeley, Calif. 94720.

WALLACE, DR. MELVIN, b. Boston, Mass, Dec. 5, 28; m. 55. PSYCHOLOGY. Fel. Mich. State, 52, Ph.D.(psychol), 54. Intern, ment. hyg. clin, Vet. Admin. Regional Off, Detroit, Mich, 53-55, staff psychologist, Kansas City, Mo, 55-56; human factors scientist, Syst. Develop. Corp, 56-65; CONSULT. PSYCHOLOGIST, ROHRER, HIBLER & REPLEGLE, 65- Lectr, exten, California, Los Angeles, 60-66. Consult. psychologist, Rehab. Inst. AAAS; Psychol. Asn. Role of temporal concepts in normal and abnormal personality functioning; the integration of learning theory and personality theory;

human factors in man-machine systems; human relations; management development; organizational change and growth. Publ: Future time perspective in schizophrenia; Temporal experience; co-auth, Chap. Vocational choice and life goals, 9/68. Address: Rohrer, Hibler & Replogle, 624 Wilshire Blvd, Los Angeles, Calif. 90017.

WALLACE, DR. PAUL, b. Los Angeles, Calif, July 21, 31; m. 56; c. 1. POLITICAL SCIENCE. A.B. California, Berkeley, 53, M.A., 57, Nat. Defense summer fel, 60, Hildegard Miller award, 61, Am. Inst. Indian Studies fel, 63-64, Ph.D. (polit. sci.), 66. Supvr. reference unit, Asia Found, 57-60; ASST. PROF. POLIT. SCI, MISSOURI, COLUMBIA, 64-, DIR. S.A.SIA LANG. & AREA CENTER, 66- Secy, Res. Cmt. Punjab, 66- U.S.A., 53-55. Polit. Sci. Asn; Asn. Asian Studies. Comparative state politics and political parties in India and South Asia, particularly Punjab; processes of social and political change. Publ: Co-auth, The Congress Party—a conceptual study, India Quart, 4-6/64; auth, U.S. foreign policy and Asia, Bus. & Govt. Rev, 3-4/66; The dispersion of political power in India, Asian Surv, 2/68. Address: Dept. of Political Science, University of Missouri, Columbia, Mo. 65201.

WALLACE, DR. PHYLLIS ANN, b. Baltimore, Md, June 9, 23. ECONOMICS. B.A. N.Y. Univ, 43; M.A., Yale, 44, univ. fel, 44-48, Rosenwald fel, 45, Ph.D., 48. Mem. staff, War Prod. Bd, 44-45; Nat. Bur. Econ. Res, 48-52; assoc. prof. bus. admin, Atlanta, 53-57; economist, U.S. GOVT, 57-65, EQUAL EMPLOY. OPPORTUNITY CMN, 65-67, CHIEF TECH. STUDIES, 67- Lectr, eve. & summer sch, City Col. New York, 48-51; South Fel. Fund. res. grant, 56. Econ. Asn; Economet. Soc. Productivity; national income; comparative growth; manpower utilization and development. Publ: American sugar industry, international and domestic aspects; co-auth, Industrial growth in the Soviet Union, Am. Econ. Rev, 9/59. Address: 1301 Delaware Ave, S.W., Washington, D.C. 20024.

WALLACE, DR. RICHARD LEE, b. Sturgis, Ky, Feb. 27, 36; m. 56; c. 2. ECONOMICS. B.S. Northwestern, 58; Ph.D. (econ), Vanderbilt, 65. Instr. ECON, Fla. State, 61-63, asst. prof, 63-66; MISSOURI, 66-67, ASSOC. PROF. & CHMN. DEPT, 67- Econ. Asn. Public utility regulation; health economics. Publ: Co-auth, Free enterprise in a growth world: comment, 1/64 & auth, Costs and revenue associated with increased sales of TVA power, 1/87, South. Econ. J; auth, Multiple coverage by health insurance, Med. Care Rev, 1/68. Address: Dept. of Economics, University of Missouri, Columbia, Mo. 65201.

WALLACE, PROF. ROBERT F(ENCIL), b. Maryville, Mo, June 8, 12; m. 42; c. 2. ECONOMICS. B.A., Kansas, 34, M.A., 38; Ph.D. (econ), Minnesota, 48. Mem. staff, State Col. Wash, 47-55, PROF. ECON, 55-61; MONTANA, 61- U.S.N., 42-45, Lt. Comdr. Econ. Asn; Finance Asn. Money and banking. Publ: Use of the progressive discount rate by the Federal Reserve System, J. Polit. Econ; Some reflections on current war financing, J. Finance; Midwestern farm areas in two World Wars, J. Farm Econ. Address: 116 Hillcrest Loop, Missoula, Mont. 59801.

WALLACE, DR. SAMUEL E, b. Grandview, Mo, July 8, 35; m. 66; c. 1. SOCIOLOGY. B.A., William Jewell Col, 56; fel, Minnesota, 56-59, M.A., 58, Ph.D. (sociol, anthrop), 61. Field supvr. homeless men study, dept. sociol, Minnesota, 58-59; assoc. proj. dir. study of San Juan, soc. sci. res. center, Puerto Rico, 60, proj. dir. study interpersonal violence, res. center & assoc. prof. & res. asst. sociol, univ, 60-64; proj. dir. Bowery study, bur. appl. soc. res, Columbia, 64-65, prin. investr. Latin Am. violence study, univ, 65; ASST. PROF. SOCIOLOG. & PROG. SUPVR. FIELD METHODS TRAINING PROG, BRANDEIS, 65- Res. grants, Nat. Inst. Ment. Health, soc. sci. res. center, Puerto Rico, Walter E. Meyer Inst. Law, & New York Dept. Welfare. Lectr, Northeastern; seminar human maladjustment, Columbia; N.Y. Univ; summer vis. prof, Queens Col. (N.Y.), 65; lectr, City Col. New York, 65; summer vis. prof, Sir George Williams, 67. Consult, P.R. Inst. Psychiat, 61-62; P.R. Urban Renewal & Housing Corp, 61-64. Sociol. Asn; Soc. Study Social Probs. Sociology of deviant behavior; field methods research; urban sociology; interpersonal violence. Publ: Co-auth, The urban ambience, Bedminster, 64; auth, Skid row as a way of life, Bedminster, 65 & Harper, 68; Reference group behavior in occupational role socialization, Sociol. Quart, summer 68. Address: Dept. of Sociology, Brandeis University, Waltham, Mass. 02154.

WALLACE, PROF. SCHUYLER CRAWFORD, b. New York, N.Y., Nov. 29, 98; m. 31; c. 2. POLITICAL SCIENCE. A.B., Columbia, 19, A.M., 20, Gottsberger fel, 22-23, Ph.D., 28. Instr. govt. & hist, COLUMBIA, 20-22, govt, 23-28, asst. prof, 28-37, assoc. prof, 37-39, prof, 39-50, dir. prog. training int. admin. & naval sch. mil. govt. & admin, 42-45, exec. officer dept. pub. law & govt, 45-60, dir. sch. int. affairs, 46-60, dir. Centers Iranian, Pakistan & Turkish Studies, 49-54, Ruggles prof. pub. law & govt, Near & Mid. East Inst, 50-62, dir. Russian Inst, 55, dir. univ. press, 55-62, dean sch. int. affairs, 60-62, EMER. PROF. PUB. LAW & GOVT, NEAR & MID. EAST INST, 62- Consult, Presidents Cmt. Admin. Mgt, 37; Navy Dept, 43-45; Ford Found, 52- Dir, Soc. Sci. Res. Coun, 52-; dir. for. area fel. prog, Am. Coun. Learned Soc.-Soc. Sci. Res. Coun, 62-68. Trustee, Free Univ. Europe, 53- Polit. Sci. Asn; Acad. Polit. Sci. Publ: Our governmental machine; New deal in action; Federal departmentalization. Address: Dept. of Public Law & Government, Columbia University, New York, N.Y. 10027.

WALLACE, DR. S(EBON) RAINS, b. Knoxville, Tenn, Dec. 19, 13; m. 34; c. 2. PSYCHOLOGY. B.S., Virginia, 34, M.S., 35, Ph.D. (psychol), 37. Instr. psychol, Tulane, 37-38, asst. prof, 38-39, assoc. prof, 39-42, prof, 46-47; v-pres. res, Life Ins. Agency Mgt. Asn, 47-67; PRES. AM. INST. RES, 67- Lectr, Yale, 52-55; chief behav. & soc. sci, U.S. Dept. Defense, 64-66. U.S.A.A.F., 42-46, Lt. Col. Fel. Psychol. Asn. Publ: Industrial psychology, Ann. Rev. Psychol. Address: 135 N. Bellefield Ave, Pittsburgh, Pa. 15213.

WALLACE, PROF. THOMAS DUDLEY, b. Ada, Okla, Aug. 28, 32; m. 53; c. 2. ECONOMICS, STATISTICS. B.S., Okla. State, 56, M.S., 57; Ph.D. (econ), Chicago, 63. Asst. prof. ECON. & STATIST., N.C. State, 60-62, assoc. prof, 62-66, PROF, 66- Vis. prof, California, Davis, 65. Consult, Nat. Acad. Sci., summer 67. U.S.A., 52-54, Res, 54-57. Economet. Soc; Statist. Asn; Agr.

Econ. Asn. Application of statistics to economic inference; development of statistical methods to analyze economic data, including a test for multicollinearity; methods for combining cross-section and time series data. Publ: Co-auth, Estimation of spatial price equilibrium models, J. Farm Econ, 11/58 & A sampling study of minimum absolute deviations estimators, Opers. Res, 10/63; auth, Efficiencies for stepwise regressions, J. Am. Statist. Asn; 12/65. Address: Dept. of Economics, North Carolina State University, Raleigh, N.C. 27607.

WALLACE, PROF. WAYNE A(LEXANDER), b. Los Angeles, Calif, Nov. 10, 11; m. 45; c. 2. ECONOMIC GEOGRAPHY. B.A., California, Los Angeles, 33, M.A., 42. Asst. prof. GEOG, VIRGINIA, 46-55, ASSOC. PROF. & CHMN. DEPT, 55-, ASST. DEAN COL. ARTS & SCI, 66- Consult, Pan Am. Int. Oil Co, 59- U.S.A., 42-46, Res, 46-, Lt. Col. Asn. Am. Geog; Am. Geog. Soc; Asn. Adv. Slavic Studies; Royal Geog. Soc; Geog. Asn, Brit. Economic geography of Russia, the Middle East and Europe. Address: 1445 Grove Rd, Charlottesville, Va. 22901.

WALLACE, DR. WILLIAM A, b. Albany, N.Y., Oct. 21, 35; m. 58; c. 3. OPERATIONS RESEARCH, STATISTICS. B.Ch.E., Ill. Inst. Tech, 56; M.S. Rensselaer Polytech, 61, Ph.D. (oper. res), 65. Res. assoc, Nat. Aluminate Corp, 55-56; res. engr, Ill. Inst. Tech, 56-57; teaching asst. OPERS. RES, RENSSELAER POLYTECH, 60-63, instr, 63-65, asst. prof, 65-67, ASSOC. PROF, 67- Consult, N.Y. Intel. & Identification Syst, 66-67; U.S. Bur. Mines, 67-; N.Y. Dept. Ed, 67- Dir, Inst. Resource Mgt, 67- U.S.N., 57-60, Lt. Opers. Res. Soc; Inst. Mgt. Sci. Computer science; application of the analytical techniques of operations research and statistics to problems in the area of socio-economic planning. Address: Dept. of Management, Rensselaer Polytechnic Institute, Troy, N.Y. 12181.

WALLACE, DR. WILLIAM HALL, b. Senatobia, Miss, Aug. 8, 33; m. 64; c. 2. ECONOMICS. B.A., Mississippi, 55, M.B.A., 56; Ph.D. (econ), Illinois, 62. Asst. prof. econ, Duke, 62-67; ASST. V.PRES. & ECONOMIST, FED. RESERVE BANK RICHMOND, 67- Duke Univ. Res. Coun. res. grant, 65-67; Nat. Sci. Found. res. grant, 66-67; U.S. Dept. Interior & Water Resources Res. Inst. N.C. res. grant, 67- Finance C, U.S.A., 56-58, 1st Lt. Econ. Asn; Statist. Asn. Regional econometric models; business conditions analysis. Co-auth, Some empirical estimates of the market value of the right-to-work, J. Indust. Rels, 7/66; A computer simulation model of the textile industry, J. Am. Statist. Asn, 12/67; An econometric model of the textile industry in the United States, Rev. Econ. & Statist, 2/68. Address: Federal Reserve Bank of Richmond, Richmond, Va. 23213.

WALLACE, PROF. WILLIAM H(USTON), b. Chicago, Ill, Dec. 10, 24; m. 50; c. 2. GEOGRAPHY. B.S., Beloit Col, 48; M.S. Wisconsin, 50, fel, 50-51, Ph.D. (geog), 56. Asst. GEOG, Wisconsin, 49-50, 51-52; lectr, Auckland Univ. Col, 52-54; instr, Rutgers, 54-56, asst. prof, 56-57; NEW HAMPSHIRE, 57-61, assoc. prof, 61-65, PROF, 65- Guggenheim fel, 63-64. U.S.M.C.R., 43-46. Asn. Am. Geog; Am. Geog. Soc; N.Z. Geog. Soc. Geography of transportation and manufacturing geography of New England. Publ: Freight traffic functions of Anglo-American railroads, 63, & What is wrong with New England railroads, 65 & Some regional aspects of the New England railroad problem, Ann. Asn. Am. Geogr. Address: Dept. of Geography, University of New Hampshire, Durham, N.H. 03824.

WALLACE, PROF. WILLIAM J(AMES), b. Oakland, Calif, Jan. 2, 15; m. 46. ANTHROPOLOGY. Ph.D. (anthrop), California, 46. Instr. anthrop, Indiana, 46-49; asst. prof, Arkansas, 49-50; archaeologist & lectr, California, 50-51; asst. prof. ANTHROP. Southern California, 51-56, assoc. prof, 56-63; PROF, CALIF. STATE COL. LONG BEACH, 63- Res. grants, Nat. Park Serv, 52-68, Calif. State Div. Beaches & Parks, 57-60; grants-in-aid, Am. Coun. Learned Soc, 61-62, Wenner-Gren Found, 62-63; vis. prof, Hawaii, 65-66. U.S.A., 42-46. Fel. AAAS; fel. Anthropol. Asn; Soc. Am. Archaeol; Ethnol. Soc; Archaeol. Inst. Ethnology and archaeology of American Indians; ethnological and archaeological research in California; archaeological research in Hawaii. Publ: California, In: The native Americans, 65; A suggested chronology for southern California coastal archaeology, Southwest. J. Anthropol, 55; Prehistoric cultural developments in the southern California deserts, Am. Antiq, 62. Address: Dept. of Anthropology, California State College at Long Beach, Long Beach, Calif. 90804.

WALLACE, DR. WIMBURN L(EROY), b. N.S. Can, Dec. 15, 18; nat; m. 41; c. 2. PSYCHOLOGY. A.B., Michigan, 40, M.Clin. Psychol, 41, Ph.D. (psychol), 49. Asst. clinician, psychol. clin, Michigan, 40-41, res. assoc, bur. psychol. serv, 48-49; sr. eng. instr, Curtiss-Wright Inst. Aeronaut, 41-44; chief guid. center, Vet. Admin, Ann Arbor, Mich, 46-47; dir. guid. & asst. prof. psychol, Massachusetts, 49-50; asst. dir. test div, PSYCHOL. CORP, 50-56, DIR. PRFNL. EXAMS. DIV, 56-, V.PRES, 58- U.S.N.R., 44-46, Lt. (jg). AAAS; Psychol. Asn; Asn. Am. Med. Cols; Ed. Res. Asn; Psychomet. Soc; Psychonomic Soc; Nat. Coun. Measurement in Ed. Development of aptitude tests; validation of psychological tests in the prediction of academic success. Publ: Assessment of the academic aptitude of the graduate student, Ed. Psychol. Measurement; Activities and behaviors of production supervisors; Standardization of the Wechsler Adult Intelligence Scale for older persons, J. Abnorm. & Soc. Psychol. Address: Psychological Corp, 304 E. 45th St, New York, N.Y. 10017.

WALLACH, PROF. HANS, b. Berlin, Germany, Nov. 28, 04; nat. PSYCHOLOGY. Ph.D. (psychol), Berlin, 35. Instr. PSYCHOL, SWARTHMORE COL, 43-45, asst. prof, 45-47, assoc. prof, 47-53, PROF, 53- Lectr. & prof, New Sch. Soc. Res, 47-; mem, Inst. Adv. Study, 54-55. Fel. Psychol. Asn. Visual and auditory perception; learning. Address: Dept. of Psychology, Swarthmore College, Swarthmore, Pa. 19081.

WALLACH, DR. LISE, Psychol, see 10th ed, Soc. & Behav. Vols.

WALLACH, PROF. MARTIN S(IMON), Clin. Psychol, see 10th ed, Soc. & Behav. Vols, deceased 65.

WALLACH, DR. MAXIMILIAN, b. Vienna, Austria, Nov. 17, 14; nat; m. 59; c. 2. STATISTICS, ACTUARIAL SCIENCE. J.D., Vienna, 38; M.Pub. Affairs, Princeton, 50; Michigan, 54-55. Chief denazification sect, U.S. Dept. Army,

45-47; res. asst, Princeton, 50; Brookings Inst, 50-51; chief planning & coord. br, tech. coop. div, off. int. labor affairs, U.S. Dept. Labor, D.C., 51-54; actuarial exam, State Ins. Dept, Mich, 55-56; ACTUARY, DEPT. INS, D.C. GOVT, 57- Mem. cmt, Int. Cong. Actuaries. Acad. Actuaries. Address: 8305 Melody Court, Bethesda, Md. 20034.

WALLACH, DR. MICHAEL ARTHUR, b. New York, N.Y., Apr. 8, 33; m. 59. PSYCHOLOGY. B.A. Swarthmore Col, 54; Harvard Found. fel, Harvard, 54-55; Westgard traveling fel, 55-56; Fels Found. fel, 57-58, Ph.D., 58. Instr. soc. psychol, Harvard, 58-59; asst. prof. PSYCHOL, Mass. Inst. Tech, 59-62; ASSOC. PROF, DUKE, 62- Prin. investr. res. proj. grant, Nat. Inst. Ment. Health, 58-61; div. soc. sci, Nat. Sci. Found, 61-63; coop. res. br. U.S. Off. Ed, 61-64. Award, Soc. Sci. Res. Coun, 62. Psychol. Asn; Psychonomic Soc; Soc. Aesthetics. Cognitive processes; motivation; psychological aesthetics; experimental approaches to personality; social psychology; thinking; judgement; decision making; cognitive originality. Publ: On psychological similarity, Psychol. Rev; Influence of classification requirements on gradients of response, Psychol. Monogr; Aspects of judgments and decision making: interrelationships and changes with age, Behav. Sci. Address: Dept. of Psychology, Duke University, Durham, N.C. 27706.

WALLAR, PROF. GENE ALAN, b. Lake City, Minn, May 12, 12. EDUCATIONAL PSYCHOLOGY. B.S. Iowa State Col, 34; M.A. Ohio State, Ph.D. (psychol), 40; summer, Chicago, 41; London & Cambridge, 59-60. Instr. psychol. & dean of men, Keystone Jr. Col, 40-41; personnel technician, U.S. Army Air Force, 41-43; assoc. prof. PSYCHOL, Coe Col, 46-48; PROF, SAN JOSE STATE COL, 48-, COORDINATOR PUPIL PERSONNEL SERV, 60-, dir. prospective teacher fel. prog, 66-68. Vis. prof, West. Wash. Col, 53, 54, 57; field assessment officer, Peace Corps Training, Univ. Hawaii for Malaysia, 65; summers, San Jose State Col. for Philippines, 62, 65-66. Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.M.C.R., 43-46, Maj. Fel. Psychol. Asn. Counselor training; teaching methods; personality development in Peace Corps volunteers in Malaysia and the Philippines. Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 95114.

WALLEN, PROF. NORMAN E(ARLE), b. Rochester, N.Y., Aug. 19, 29; m. 52; c. 3. PSYCHOLOGY. A.B. Rochester, 50, Ed.M., 52; Ph.D.(psychol), Syracuse, 56. Asst. prof. ed. psychol, Utah, 56-60, assoc. prof, 60-65, PROF, 65-67; ED, SAN FRANCISCO STATE COL, 67- U.S. Off. Ed. res. grants, 61-66; Utah State Dept. Pub. Instr. res. grant, 65-66. Psychol. Asn; Ed. Res. Asn. Development of techniques for assessing cognitive and affective development of humans; study of effects of teacher behavior and curricula on pupils; prediction of teacher behavior and evaluation of techniques for changing teacher behaviors. Publ: Relationships between teacher characteristics and student behavior—Part III, U.S. Off. Ed, 66; co-auth, Relationships between teacher needs and teacher behavior, J. Ed. Psychol, 54: 23-32; Analysis and investigation of teaching methods, In: Handbook of research on teaching, Rand McNally, 63. Address: 7 Morningsun Ave, Mill Valley, Calif. 94941.

WALLEN, DR. RICHARD W(ILLIAM), b. Petersburg, N.Y., Apr. 27, 14; m. 38, 56; c. 2. PSYCHOLOGY. A.B. Findlay Col, 36; M.A. Ohio State, 38, Ph.D. (psychol), 40. Instr. psychol, Western Col, 39-41; Cincinnati, 41-43; asst. prof. psychol, Western Reserve, 46-48, assoc. prof, 48-56; sr. assoc. Creelman Assocs, 56-57; v.pres. mgt. training div, Personnel Res. & Develop. Corp, 57-68; V.PRES, NEVIS WALLEN ASSOCs, INC, 68- Fel, Nat. Training Labs. U.S.N.R., 43-46, Lt. Fel. Psychol. Asn. Clinical psychology in industry; group dynamics and sensitivity training. Publ: Clinical psychology: the study of persons; Food aversions in behavior disorders, J. Consult. Psychol; Unlocking human creativity, Mach. Design. Address: Nevis Wallen Associates, Inc, 10 Morningsun Lane, Cleveland, Ohio 44106.

WALLER, PROF. ALLEN G(EOGE), Agr. Econ, see 10th ed, Soc. & Behav. Vols.

WALLER, DR. HAROLD M(YRON), b. Detroit, Mich, Oct. 12, 40; m. 66. POLITICAL SCIENCE. S.B. Mass. Inst. Tech, 62; Walter P. Murphy fel, Northwestern, 62-63, M.S., 66; Nat. Sci. Found. fel, Georgetown, 65-67, Ph.D.(pol. sci), 68. ASST. PROF. POLIT. SCI, MCGILL, 67- AAAS; Polit. Sci. Asn. Political attitudes of natural scientists; science and politics; electoral behavior; public opinion; American politics; political socialization. Address: Dept. of Political Science, McGill University, Montreal, Que. Can.

WALLER, PROF. JAMES MUIR, b. Dec. 10, 00. FINANCE. B.A. Vanderbilt, 22, M.A., 27; LL.B. Yale, 24; Ph.D.(econ), North Carolina, 57. Asst. prof. econ, GEORGIA, 57-60, assoc. prof, 60-64, PROF. FINANCE, 64- Monetary theory and policy. Address: College of Business Administration, University of Georgia, Athens, Ga. 30602.

WALLER, DR. MARCUS B(ISHOP), b. Jacksonville, Fla, Mar. 27, 29; m. 57. EXPERIMENTAL PSYCHOLOGY. B.S.E. Florida, 50; M.Ed, North Carolina, 55, Ph.D.(psychol), 59. Asst. psychol, North Carolina, 55-57; instr, N.C. State Col, 57; res. assoc, R.B. Jackson Mem. Lab, 57-59, assoc. res. scientist, 59-60; U.S. Pub. Health Serv. fel. pharmacol, Harvard Med. Sch, 60-62; asst. prof. PSYCHOL, NORTH CAROLINA, CHAPEL HILL, 62-65, ASSOC. PROF, 65- Mil. Intel, U.S.A., 51-53. AAAS; Psychol. Asn. Experimental analysis of behavior, especially discrimination learning; animal behavior. Publ: Co-auth, Effects of chlorpromazine on appetitive and aversive components of a multiple schedule, J. Exp. Anal. Behav; Some relationship between early experience and later social behavior in ducklings, Behavior, 63. Address: Dept. of Psychology, University of North Carolina, Chapel Hill, N.C. 27514.

WALLER, DR. PATRICIA F(OSSUM), b. Winnipeg, Man, Oct. 12, 32; m. 57. PSYCHOLOGY. A.B. Miami (Fla), 53, M.S., 55; U.S. Pub. Health Serv. fel, North Carolina, 55, Ph.D.(psychol) 59. Asst. psychol, Miami (Fla), 53-55; North Carolina, 55, instr. psychol, dept. psychiat, med. sch, 57; psychol. intern, Vet. Admin. Hosp, Roanoke, Va, 56-57; U.S. Pub. Health Serv. fel. psychol, R.B. Jackson Mem. Lab, 58-60; psychologist, Vet. Admin. Hosp, Brockton, Mass, 61-62; LECTR. PSYCHOL, NORTH CAROLINA, Chapel Hill, 62-64, Greensboro, 64-65, CHAPEL HILL, 66-, STAFF ASSOC, HWY.

SAFETY RES. CENTER, 67- AAAS; Psychol. Asn; Soc. Proj. Tech. Learning as related to normal and abnormal personality development. Publ: Relationship between the Rorschach shading response and other indices of anxiety, J. Proj. Tech; co-auth, Effects of chlorpromazine on appetitive and aversive components of a multiple schedule, J. Exp. Anal. Behav; The effects of early experience upon later social behavior in ducklings, Behavior, 63. Address: Route 1, Box 394, Chapel Hill, N.C. 27514.

WALLERSTEIN, DR. H(ARVEY), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 66.

WALLERSTEIN, DR. IMMANUEL, b. New York, N.Y., Sept. 28, 30. SOCIOLOGY. B.A. Columbia, 51, M.A., 54, Ph.D., 59; Oxford, 55-56; Ford Found. African training fel, 55-57. Instr. SOCIOL, COLUMBIA, 58-59, asst. prof, 59-62, ASSOC. PROF, 62- U.S.A., 51-53. Sociol. Asn; African Studies Asn. Social and political change in underdeveloped areas, particularly Africa, including rise of nationalist movements and problems of nation building; political sociology; role of voluntary associations; social theory. Publ: Africa: the politics of independence; Road to independence: Ghana and the Ivory Coast, Mouton, 64; Africa: the politics of unity, Random, 67. Address: Dept. of Sociology, Columbia University, New York, N.Y. 10027.

WALLERSTEIN, L(EIBERT) B(ENET), b. Brooklyn, N.Y., July 5, 22. LABOR ECONOMICS. B.A. New Mexico, 50; fel. & M.A. Minnesota, 53. Asst. New Mexico, 50-51; instr, Minnesota, 52-53, asst. indust. rels. center, 51-53; employee rels. asst, U.S. Navy, 54-55; suprvy. econ. ed, U.S. Dept. Labor, 55-59, labor economist, 59-63, manpower develop. specialist & analyst, 64-67; ECONOMIST, MODEL CITIES ADMIN, U.S. DEPT. HOUSING & URBAN DEVELOP, 67- Lectr, Maryland & Georgetown, 66-67. Consult, Joint Cmn. Correctional manpower, 66. A.U.S., 46-47. Econ. Asn; Statist. Asn; Sociol. Asn. Urban economics; occupational, manpower and industrial analysis; forecasting; scientific and engineering manpower; poverty. Publ: Labor Unions find new use for social research; Sociology as an area of industrial relations research; Psychological socio-economic causes of group failure. Address: Apt. 133, 2801 Quebec St. N.W., Washington, D.C. 20008.

WALLEY, DR. OSCAR N(EWTON), JR, b. Richton, Miss, Dec. 31, 31; m. 55; c. 3. PSYCHOLOGY. B.A. Millsaps Col, 54; B.D. Emory, 57; M.S. Southern Mississippi, 60, Ph.D.(psychol), 63. Asst. prof. PSYCHOL, NORTHEAST LA. STATE COL, 63-66, ASSOC. PROF. & HEAD DEPT, 66- Psychol. Asn. Industrial, mental health and educational consulting. Publ: Co-auth, The influence of orientation upon attitudes and performance, (monogr), U.S. Off. Rehab, 64. Address: Dept. of Psychology, Northeast Louisiana State College, Monroe, La. 71201.

WALLEY, DR. ROC E(DWARD), b. Denver, Colo, Aug. 31, 33; m. 56; c. 1. PSYCHOLOGY. B.A. California, Berkeley, 58, Ph.D.(psychol), 63. ASST. PROF. PSYCHOL, ALBERTA, 63- U.S.A.F., 51-53. Psychol. Asn. Neurophysiology of motivation and learning. Publ: Receptive fields in the accessory optic system of the rabbit, Exp. Neurol, 67. Address: Dept. of Psychology, University of Alberta, Edmonton, Alta, Can.

WALLICH, PROF. HENRY C(HRISTOPHER), b. Berlin, Germany, June 10, 14; nat; m. 50; c. 3. ECONOMICS. Oxford, 32-33; M.A. Harvard, 41; Ph.D., 44. Security analyst, Hackney, Hopkinson & Sutphen, 36-40; mem. staff for res. div, Fed. Reserve Bank, New York, 41-51, chief, 46-51; PROF. ECON, YALE, 51- Consult. to U.S. Govt. agencies for. central banks & govts, 51- Asst. to Secy. Treas, D.C., 58-59. Ed. writer, Washington Post, 61-63; columnist, Newsweek Mag, 64- Mem, President's Coun. Econ. Adv, 59-61. Econ. Asn; Finance Asn. Money and credit; economic development. Publ: Monetary problems of an export economy; Mainsprings of the German revival; The cost of freedom. Address: 88 Cold Spring St, New Haven, Conn. 06511.

WALLIN, DR. HERMAN ARNOLD, b. Coronation, Alta, May 23, 29; c. 4. SOCIOLOGY, ADMINISTRATIVE SCIENCES. B.Ed, Alberta, 57, fel, 59-60, M.Ed, 62; LaZerte scholar, California, Berkeley, 63-64, Can. Coun. fel, 64, Ph.D.(soc. complex orgn), 65. Teacher, pub. schs, Alta, 48-57, prin, 57-59 & 60-63; fel, center adv. study ed. admin, Oregon, 65-66; ASST. PROF. ADMIN. SCI, BRITISH COLUMBIA, 66- Vis. prof. lectr, American Univ, 67; Can. Dept. Labour res. grant, 67-69. Consult. cmm. soc. serv, United Church Can, 68. Am. Ed. Res. Asn; Am. Sociol. Asn; Soc. Sci. Study Relig; Can. Asn. Sociol. & Anthropol; Can. Ed. Res. Asn. Form and consequence of the professionalization movement among public school teachers in Canada and the United States; a comparative study of administrator involvement in collective negotiations in selected public agencies. Publ: Leadership in formal organizations: conceptual frameworks and research findings, Univ. British Columbia, 66; Faculty input: a function of a college's incentive system, Ed. Admin. Quart, 67; The current state of electronic data processing usage in Canadian school administration, Sch. Progress, 68. Address: 2C-2222 Bellevue Ave, West Vancouver, B.C., Can.

WALLIN, DR. JAMES R, Econ, see 10th ed, Soc. & Behav. Vols.

WALLIN, DR. J(OHN) E(DWARD) WALLACE, b. Page Co, Iowa, Jan. 21, 76; m. 13; c. 2. PSYCHOLOGY. A.B. Augustana Col, 97; A.M. Yale, 99, fel, 99-01, Ph.D.(psychol), 01; LL.D, Upsala Col, 58. Res. asst. psychol, Clark, 01-02; exp. psychol, Michigan, 02-03; demonstr, Princeton, 03-06; head dept. psychol. & ed. & v.pres, Pa. State Col.(E.Stroudsburg), 06-09; Sch. Ed, Cleveland, 09-10; dir. clin. psychol. lab, N.J. Village for Epileptics, 10-11; asst. prof. ed. psychol, Pittsburgh, 12-13, prof. clin. psychol, 13-14, dir. psycho-ed. clin, 12-14; dir. psycho-ed. clin. & spec. schs. & lectr, Harris Teacher Col, St. Louis Bd. Ed, 14-21; prof. clin. psychol. & dir. bur. spec. ed. & psycho-ed. clin, Miami (Ohio), 21-29; dir. spec. ed, Baltimore Bd. Ed. & lectr, Hopkins Univ. & Morgan State Col, 29-30; head dept. psychol. & dir. ment. hyg. clin. & psychol. examr, Atlantic Univ, 30-32; dir. div. spec. ed. & ment. hyg, Bd. Pub. Ed, Wilmington, Del, 32-45, State Dept. Pub. Instr, 32-47; exec. dir, Indust. Ltd, Carlisle, Pa, 61-62; RETIRED. Psychol. gist, Mellon Inst, 12-13. Vis. prof, Training Sch. Vineland, N.J., 10; Mo. Sch. Soc. Econ, 16; Iowa, 17; California, 18; Montana, 20; N.Y.

- Univ. 23, 33-34; Virginia, 29, 32; Chicago, 30; Buffalo, 31; Delaware, 33-37; Del. State Col. 36-37; Rutgers, 37-45; Duke, 37-47; Milwaukee State Teachers Col. 48; Upsala Col. 48-52; Miami (Fla.), 51; Mercer, 53; West. Carolina Col. 54. Founder sects. spec. ed. in state ed. asns, Mo, 19, Ohio, 21, Del. 34; estab. depts. spec. ed. in pub. schs, St. Louis, Mo, 14, Baltimore, Md, 29, Wilmington, Del, 32 & in Univs. Pittsburgh, 12, Miami (Ohio), 21. Consult. psychologist, Dayton Pub. Schs, Ohio, 26-27, survs. of provisions for ment. retardates, Ohio Schs, 28-29, for handicapped children, Baltimore Schs, Md, 29. Chmn. cmt. defective children, State Children's Code Cmn, Mo, 15-21; cmt. ment. hyg, Mo. Conf. Soc. Welfare, 19-20; secy. spec. ed. cmt. Hoover White House Conf. Child Health & Protection, 29-31; dir. Coun. Except. Children, 37-43, 46-47; chmn. cmt. spec. ed. Del. Conf. Children in Democracy, 40-42; secy, Nat. Asn. State Dir. Spec. Ed, 41, pres, 42-47. Leader in Serv. cup, Alpha Phi Omega, 52; alumnus of the year, Augustana Col, 55; citations, pres, fcls, & faculty, Yale, 56 & 66, Del. State Ed. Asn. & Del. Psychol. Asn, 57, N.J. Psychol. Asn, 60, Nat. Retired Teachers Asn, 63 & Nat. Asn. Retarded Children, 64. Psychol. Asn. (citation, 67). Clinical psychology; mental hygiene; handicapped children. Publ: Children with mental and physical handicaps, Prentice-Hall, 49; Education of mentally handicapped children, Harper, 55; Mental deficiency, J. Clin. Psychol, 56. Address: 311 Highland Ave, Wilmington, Del. 19804.
- WALLIS, DR. GEORGE W, b. Gainesville, Ga, Feb. 22, 27; m. 63; c. 1. SOCIOLOGY. A.B. Georgia, 53; M.A. George Peabody Col, 54; Ph.D. (sociol), Fla. State, 63. ASST. PROF. SOCIOL, Wesleyan Col. (Ga), 59-61; New Mexico State, 63-65; GEORGIA, 65- U.S.M.C. 45-46. AAAS; Sociol. Asn; Rural Sociol. Soc. Basic processes of social change. Publ: Chronopolitics: the impact of time perspectives on the dynamics of social change, Int. Rev. Hist. & Polit. Sci, 11/68. Address: Dept. of Sociology, University of Georgia, Athens, Ga. 30601.
- WALLIS, JOHN HUBERT, b. Cumberland, B.C, Nov. 17, 25; m. 51; c. 4. GEOGRAPHY, CLIMATOLOGY. B.A. British Columbia, 55, M.A. 63. LECTR. GEOG, BRITISH COLUMBIA, 56-, ASST. TO DEAN FACULTY, COL. ED, 62-, asst. registr, univ, 56-62. Can. Asn. Geog. Address: Dept. of Geography, University of British Columbia, Vancouver 8, B.C, Can.
- WALLIS, PROF. RUTH SAWTELL (MRS. WILSON D. WALLIS), b. Springfield, Mass, Mar. 15, 95; m. 31. ANTHROPOLOGY. A.B. Radcliffe Col, 19, A.M., 23; Ph.D. Columbia, 29. Phys. anthropologist, Bur. Ed. Exp, N.Y., 26-30; asst. prof. anthropol, Iowa, 30-31; sociol, Hamline, 31-35; asst. anthropologist, U.S. Dept. Agr, 37-38; statistician, War Manpower Cmn, 42-43; from lectr. to PROF. SOCIOL, ANNHURST COL, 56- AAAS; fel. Anthropol. Asn. Social anthropology, field work with Micmac and Dakota Indians; growth of children. Publ: How children grow; Azilian skeletal remains from Montardit; co-auth, Micmac Indians of Eastern Canada. Address: Box 66, South Woodstock, Conn. 06267.
- WALLIS, PRES. WILSON ALLEN, b. Philadelphia, Pa, Nov. 5, 12; m. 35; c. 2. STATISTICS, ECONOMICS. A.B. Minnesota, 32; fel. Chicago, 33-35; fel. Columbia, 35-36. Economist, Nat. Resources Planning Bd, 35-37; instr. econ, Yale, 37-38; from asst. prof. to assoc. prof. econ, Stanford, 38-46, prof. statist. & econ, Chicago, 46-62, chmn. dept. statist, 49-62, deangrad. sch. bus, 56-62; PRES, TRUSTEE & PROF. ECON, ROCHESTER, 62- Carnegie res. assoc, Nat. Bur. Econ. Res, New York, 39-40; dir. statist. res. group, Columbia, 42-46; dir. prog. of univ. surv. behav. sci, Ford Found, 53-54. Trustee, Nat. Opinion Res. Center, 57-62, 64; Tax Found, Inc, 61-. Chmn. ed. bd. & exec. cmt. Int. Encyclop. Soc. Sci, 60-68. Fel. AAAS; Econ. Asn; Statist. Asn. (ed, Jour, 50-59, pres, 65); fel. Inst. Math. Statist; fel. Soc. Qual. Control; Int. Statist. Inst. Publ: Co-auth, Statistics, a new approach, Sampling inspection & Techniques of statistical analysis. Address: University of Rochester, Rochester, N.Y. 14627.
- WALLIS, PROF. WILSON D (ALLAM), b. Forest Hill, Md, Mar. 7, 86; m. 12, 31; c. 2. ANTHROPOLOGY, SOCIOLOGY. A.B. Dickinson Col, 07, A.M., 10; B.Sc. & Dipl. Oxford, 10; Ph.D., Pennsylvania, 15. Instr. ANTHROP, California, 15-16; Fresno Jr. Col, 16-21; asst. prof. Reed Col, 21-23; assoc. prof, MINNESOTA, 23-26, prof, 26-54, EMER. PROF. 54-; PROF. SOCIOL, ANNHURST COL, 56- Prof, Hartford Col, 54-55; lectr, Connecticut, 55-56. U.S.A., 18-19, Lt. AAAS; fel. Anthropol. Asn. Culture; contacts of culture; primitive science. Publ: Religion in primitive society; Culture and progress; Micmac Indians of eastern Canada. Address: Box 66, South Woodstock, Conn. 06267.
- WALLRAFF, PROF. CHARLES F (REDERIC), Philos, see 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- WALLS, DEAN FOREST WESLEY, b. Yale, Okla, Apr. 23, 16; m. 37; c. 4. POLITICAL SCIENCE. B.A. Greenville Col, 37; M.A. Washington (Seattle), 43, Ph.D. 58. Instr. polit. sci, Seattle Pac. Col, 41-44, asst. prof, 44-49, assoc. prof, 49-54, registr, 48-54, prof. polit. sci, 54-67; DEAN ACAD. AFFAIRS, SPRING ARBOR COL, 67- Danforth teacher study grant, 56-57; Fulbright-Hayes teacher study grant, Inst. Indian Civilization, India, summer, 64. U.S.A., 44-47, 50-52, Capt. Polit. Sci. Asn; Acad. Polit. & Soc. Sci; Soc. Int. Law. Interdependence of states as reflected in the development of international organization, especially in the United Nations. Publ: Methodist Church in western Washington history: a study in religion and urbanism, Pac. Northwest Quart. Address: Spring Arbor College, Spring Arbor, Mich. 49283.
- WALMSLEY, PROF. MILDRED MARIE, b. Briceton, Ohio, Sept. 18, 08. GEOGRAPHY. B.S. Bowling Green State; M.A. & Ph.D. (geog), Clark. Instr. GEOG. & GEOL, CASE WESTERN RESERVE, 43-47, 49-52, ASST. PROF, 52- Asn. Am. Geog; Geog. Soc; Coun. Geog. Ed. West Indies, especially Jamaica. Address: Dept. of Geography, Case Western Reserve University, Cleveland, Ohio 44106.
- WALNER, ARTHUR H, Math. Statist, see 11th ed, Phys. & Biol. Vols.
- WALPOLE, PROF. RONALD E (DGAR), Math, Statist, see 11th ed, Phys. & Biol. Vols.
- WALRATH, PROF. ARTHUR JOSEPH, b. Staten Island, N.Y., Mar. 23, 13; m. 49; c. 3. AGRICULTURAL ECONOMICS. B.S. Connecticut, 36; M.S. Wisconsin, 40, Ph.D. (agr. econ), 57. Asst. exec. officer, Agr. Adjust. Admin, State Off, Conn, 36-38; agr. economist, bur. agr. econ, U.S. Dept. Agr, 40-47, 49-54, res. div, 54-57; assoc. agr. mkt. economist, N.Mex. State Col, 47-49; AGR. ECONOMIST, U.S. DEPT. AGR. & PROF. AGR. ECON, VA. POLYTECH, 57- Agr. Econ. Asn. Land economics. Publ: What will become of your farm?, Bull. Va. Exten. Serv; Title to land, J. Farm Econ; County courthouse records-a basic source of data, Va. Agr. Exp. Sta, 4/65. Address: Dept. of Agricultural Economics, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- WALRAVEN, DR. KORNELIS JACOBUS, Econ, see 10th ed, Soc. & Behav. Vols.
- WALSH, PROF. ANN M (ARIE), b. Detroit, Mich, July 4, 16. PSYCHOLOGY. B.A. Manhattanville Col, 45; M.A. Columbia, 49, Ed.D., 55. Psychologist, pub. schs, N.Y., 51-52; res. asst. psychol, Horace-Mann Lincoln Inst, teachers col, Columbia, 52-53; dir. psychol. serv, pub. schs, N.J., 54-59; asst. prof. psychol, Queens Col. (N.Y.), 59-60; assoc. prof, JERSEY CITY STATE COL, 60-68, PROF. PSYCHOL. & DIR. SCH. PSYCHOL. GRAD. PROG, 68- Psychol. Asn; Group Psychother. Asn. School psychology; psychotherapy. Publ: Child psychology, Barrister, (in press); Self concepts of bright boys with learning difficulties, Bur. Pub. Teachers Col, Columbia, 58. Address: 434 W. 120th St, New York, N.Y. 10027.
- WALSH, PROF. CHARLES J, Econ, see 10th ed, Soc. & Behav. Vols, deceased 67.
- WALSH, DR. JAMES ANTHONY, b. Portland, Ore, Apr. 13, 38; m. 57; c. 2. PSYCHOLOGY, STATISTICS. B.S. Washington (Seattle), 60, M.S., 61, Ph.D. (psychol), 63. Nat. Inst. Ment. Health fel, Washington (Seattle), 63-64; asst. prof. psychol, Montana, 64-65; PSYCHOL. & STATIST, IOWA STATE, 65-66, ASSOC. PROF, 66- Nat. Insts. Health res. grant, 65-67; Nat. Sci. Found. res. grant, 66-67. Consult. speech res, Seattle Pub. Schs, 64-68. Psychol. Asn; Statist. Asn; Psychomet. Soc. Objective personality assessment including computer simulation of personality. Publ: Co-auth, Relationships between various psychometric properties of personality items, 23: 227-238 & auth, Prediction of anchor effects on personality items from rating dispersions, (in press), Ed. Psychol. Measurement; co-auth, Relationships between social desirability scale values, probabilities of endorsement, and invasion of privacy rating of objective personality items, Psychol. Reports, 18: 671-675. Address: Dept. of Psychology, Iowa State University, Ames, Iowa 50010.
- WALSH, DR. JAMES LEO, b. Murdock, Minn, Sept. 25, 40; m. 66; c. 2. SOCIOLOGY. A.B. Carroll Col. (Mont), 62; Ph.D. (sociol), Pittsburgh, 66. Res. assoc. sociol. health orgn, grad. sch. pub. health, Pittsburgh, 64-66; instr. SOCIOL, OBERLIN COL, 66-67, ASST. PROF, 67- Assoc. dir, regional center int. ed, Chatham Col, summer 67. Sociol. Asn; Soc. Study Social Probs. Medical sociology. Publ: Co-auth, Professionalism and the poor: structural effects and professional behavior, J. Health & Soc. Behav, 3/68. Address: Dept. of Sociology & Anthropology, Oberlin College, Oberlin, Ohio 44074.
- WALSH, DR. JOHN E (DWARD), Statist, Oper. Res, see 11th ed, Phys. & Biol. Vols.
- WALSH, DR. JOHN F, b. New York, N.Y., July 29, 35; m. 58; c. 2. PSYCHOLOGY, STATISTICS. B.S. Fordham, 57; M.A. Clark, 59, Nat. Sci. Found. coop. fel, 59, U.S. Pub. Health Serv. fel, 60, Ph.D. (psychol), 62. Instr. PSYCHOL, FORDHAM, 61-63, ASST. PROF, 63-; DIR. RES, CATH. CHARITIES GUID. INST, 63- Nat. Sci. Found. summer res. fcls, 63-64; vis. fel, Int. Bus. Mach. Corp, Sys. Res. Inst, 68. Verbal learning; retention; simulation of problem solving behavior. Publ: Co-auth, A factor analysis of mathematical giftedness, Psychol. Reports, 17: 115-119, Diurnal variation of critical flicker frequency, J. Gen. Psychol, 75: 167-175 & The effects of stimulus familiarization procedures on paired associate verbal learning, Psychonomic Sci, 8: 435-436. Address: Dept. of Psychology, Fordham University, Bronx, N.Y. 10458.
- WALSH, PROF. JOHN J (OSEPH), b. Boston, Mass, June 30, 23; m. 60; c. 2. PSYCHOLOGY, STATISTICS. B.S. Boston Col, 49; M.A. Chicago, 50, fel. 50-51, Ph.D., 53. Instr. ED, Chicago, 52; asst. prof, BOSTON COL, 54-59, ASSOC. PROF, 59-, DIR. CATH. ED. RES. CENTER, 67-, chmn. dept. ed, 54-57, dir. off. testing, 57-62, dir. off. ed. res, 62-67. Res. dir, U.S. Off. Ed. nat. study, 66-67. U.S.A., 43-46. Psychol. Asn; Ed. Res. Asn. (outstanding res. award, 59). Psychological testing; test development; measurement of attitudes; Catholic education; evaluation of educational innovations. Publ: Co-auth, Method of paired direct and projective questionnaires in the study of attitude structure and socialization, Psychol. Monogr; auth, Testing: a catalyst for educational innovations, Theory into Practice, 63; co-auth, Departmental differentials in the predictive validity of GRE aptitude tests, Ed. & Psychol. Measurement, 65. Address: Catholic Education Research Center, Boston College, Chestnut Hill, Mass. 02167.
- WALSH, PROF. MARY ELIZABETH, Sociol, see 10th ed, Soc. & Behav. Vols.
- WALSH, PROF. M (ERRICK) KERSHAW, Psychol, see 10th ed, Soc. & Behav. Vols.
- WALSH, PROF. RICHARD G, b. Seward, Nebr, Aug. 16, 30; m. 54; c. 4. AGRICULTURAL ECONOMICS. B.A. Nebraska, 52, M.A., 55; Ph.D. (agr. econ), Wisconsin, 61. Asst. Nebraska, 54-55; prof. asst, Wisconsin, 55-57; asst. prof. AGR. ECON, NEBRASKA, 57-63, assoc. prof, 63-67, PROF, 67- Vis. prof, Maryland, 65. Econ. consult, Fed. Trade Cmn, 66; res. consult, Univ. Puerto Rico, 67. U.S.N.R., 52-54, Lt. (jg). Econ. Asn; Agr. Econ. Asn. (outstanding published res. award, 63). Economic organization and practices of food and farm supply industries; industrial performance and agricultural cooperatives. Publ: Market structure of agricultural industries, Iowa State Univ, 66. Address: College of Agriculture, University of Nebraska, Lincoln, Nebr. 68503.

WALSH, PROF. RICHARD PATRICK, b. Jersey City, N.J., Feb. 23, 29; m. 53; c. 3. **PSYCHOLOGY**. B.A. Boston, 53; M.A. Maryland, 56, Ph.D. 57. Exp. psychologist, Walter Reed Army Med. Center, 54; counseling psychologist, Vet. Admin, Perry Point, Md. 54-57, clin. psychologist, 57-59; asst. prof. psychol. & chief counsr, Cincinnati, 59-64; **ASSOC. PROF. PSYCHOL. & DIR. COUNSELING & TESTING**, SOUTHERN ILLINOIS, EDWARDSVILLE, 64-Suprvy. consult, Drake County Home & Hosp, 61; training consult, Alton State Hosp, 67- U.S.N. 46-49. Personality and vocational choice; risk taking behavior; prediction of academic success; laboratory training methods; creative college teaching; self-control in children. Publ: Co-auth, Group psychotherapy, a special activity program and group structure in the treatment of chronic schizophrenics, J. Consult. Psychol; Effect of needs of responses to job duties & Anxiety and test taking behavior, 68, J. Counseling Psychol. Address: 705 S. Prairie, Bethalto, Ill. 62010.

WALSH, ROBERT M(ERTON), b. Boston, Mass, Nov. 7, 06; m. 37; c. 4. **ECONOMICS**. B.S. Boston, 28; Wisconsin, 30-31; Harvard, 32-33. Agr. economist, bur. agr. econ, U.S. DEPT. AGR, 34-48, dep. dir. fats & oils br, prod. & mkt. admin, 48-53, dep. asst. adminstr, agr. res. admin, 53-54, chief mkt. develop. br, Agr. Mkt. Serv, 54-61, asst. to adminstr, ECON. RES. SERV, 61-63, DEP. DIR. ECON. & STATIST. ANAL. DIV, 63- Consult, fats & oils sect, chem. div, War Prod. Bd, 42. Agr. Econ. Assn; Int. Assn. Agr. Econ. Agricultural economics. Publ: Empirical tests for price theories, Quart. J. Econ; Response to price in production of cotton and cottonseed, J. Farm Econ; Flaxseed prices and the tariff. Address: 1312 N. Emerson St, Arlington, Va. 22205.

WALSH, PROF. WARREN B(ARTLETT), Russian & Soviet Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WALSTER, DR. ELAINE C(ATHERINE), b. Detroit, Mich, Oct. 22, 37; m. 62. **SOCIAL PSYCHOLOGY**. B.A. Michigan, 59; Ph.D.(psychol), Stanford, 63. Asst. prof. psychol, Minnesota, 63-64, **ASSOC. PROF.**, 64-66; Rochester, 67; **SOCIOL. WISCONSIN**, 68- Psychol. Assn; Sociol. Assn. The determinants of a harm-doer's reaction to his victim; antecedents and consequences of a desire for excitement, novelty and challenge. Publ: Conflict, decision, and dissonance, Stanford, 64; co-auth, Interpersonal attraction, Addison-Wesley, (in press); auth, The effect of self-esteem on romantic liking, J. Exp. Soc. Psychol, 1: 184-197. Address: Dept. of Sociology, University of Wisconsin, Madison, Wisc. 53706.

WALSTON, DR. ERNEST B(ATY), b. U.S., Feb. 5, 08; m. 34; c. 2. **COUNSELING PSYCHOLOGY, GUIDANCE**. B.S. Vermont, 29; Ed.M. Harvard, 38, Ed.D. 58. Teacher & prin, Thompson's Acad, Mass, 29-37; assoc. headmaster, 43-44; asst. grad. sch. ed, Harvard, 38-39, asst. to dean, 45-46; teacher & guid. counsr, high sch, N.J., 39-42; prin, high sch, R.I., 42-43; consult. ops. anal, U.S. Army Air Forces, 44-45; **CHMN. GUID. DEPT. COL. GEN. ED. BOSTON**, 46- Soc. worker, Children's Aid Assn, 38-39; sr. counsr, Veteran's Guid. Center, Harvard, 45-46. Consult, Raytheon Corp, 60-; voc. consult, bur. hearings & appeals, Soc. Security Admin, 65- Psychol. Assn; Personnel & Guid. Assn; prflnl. mem. Voc. Guid. Assn. Theories pertaining to career development; analysis of subject personal documents for purposes of prediction of vocational or career choices; vocational rehabilitation. Publ: Co-auth, Introduction to personal adjustment; auth, Chap, In: General education for personal maturity. Address: Dept. of Guidance, Division of General Education, Boston University, 855 Commonwealth Ave, Boston, Mass. 02215.

WALT, DR. DOROTHY ELIZABETH, Psychol, see 10th ed, Soc. & Behav. Vols.

WALTER, DR. BENJAMIN, Polit. Sci, see 10th ed, Soc. & Behav. Vols.

WALTER, PROF. E(UGENE) V(ICTOR), Sociol, see 10th ed, Soc. & Behav. Vols.

WALTER, PROF. GEORGE R(EGIS), b. Roaring Spring, Pa, Sept. 23, 19; m. 42; c. 4. **SOCIOLOGY**. B.A. Juniata Col, 40; Pa. State, 47-48; M.Litt, Pittsburgh, 48, Ph.D.(sociol), 53. Assoc. prof. sociol, Johnstown Col, Univ. Pittsburgh, 48-60; mayor, Johnstown, Pa, 60-64; **PROF. SOCIOL. JOHNSTOWN COL. UNIV. PITTSBURGH**, 64- Res. assoc, Psychol. Corp, N.Y., 55-60. Consult, Pa. Adv. Cmt. Pub. Health Surv, 61; Environ. Res. & Develop. Corp, 67- Mem. area develop. cmt, Nat. League Cities, 62 & U.S. del, World Conf. Local Govt, 62. U.S.A., 42-46, Capt. Sociol. Assn; Am. Acad. Arts & Sci. Urban sociology, especially power structures and political aspects; human resources survey. Publ: Sociological analysis of a one-industry town, Univ. Pittsburgh, 52. Address: 521 Cypress Ave, Johnstown, Pa. 15902.

WALTER, DR. INGO, b. Kiel, Germany, Apr. 11, 40; m. 63; c. 2. **ECONOMICS**. A.B. Lehigh, 62, M.S. 63; Ph.D.(econ), N.Y. Univ, 66. Asst. prof. ECON, MISSOURI, ST. LOUIS, 65-68, **ASSOC. PROF.**, 68- **CHMN. DEPT.**, 67-faculty grant, 65-66. Dept. Health, Ed. & Welfare res. grant, 66-67. Am. Econ. Assn; Am. Finance Assn; Royal Econ. Soc. International trade theory; commercial policy and monetary relations, especially theory of economic integration. Publ: Co-auth, The common market: economic integration in Europe. Lippincott, 65; auth, The European common market: growth and patterns of trade and production, Praeger, 67 & International economics: theory and policy, Ronald, 68. Address: Dept. of Economics, University of Missouri, St. Louis, Mo. 63121.

WALTER, PROF. JAMES E(LIAS), b. N.Y., Feb. 26, 22; m. 48; c. 3. **ECONOMICS, BUSINESS ADMINISTRATION**. A.B. Duke, 42, I.A. Harvard, 43; Chrysler Corp. fel, 53; J.C. Penney fel, 53; Ph.D. (econ), California, 53. Asst. prof. finance, California, 53-57; assoc. prof. bus. admin, grad. sch, Harvard, 57-62; **PROF. FINANCE, WHARTON SCH. FINANCE & COMMERCE, PENNSYLVANIA**, 62- Consult, 56- U.S.A., 43-46. Econ. Assn; Finance Assn; Am. Acct. Assn; Economet Soc. Corporation finance and taxation; investments; money and banking. Publ: The role of regional security exchanges, Univ. California, 57; The investment process as characterized by leading life insurance companies, Harvard Bus. Sch, 62; Dividend policy and enterprise valuation, Wadsworth, 67. Address: Wharton School of Finance & Commerce, University of Pennsylvania, Philadelphia, Pa. 19104.

WALTER, DR. JOHN T(HOMAS), b. Midway, Pa, July 6, 11; m. 34; c. 1. **ECONOMICS**. B.S. Drexel Inst. Tech, 33; M.A. Columbia, 39; Ph.D.(econ), Pittsburgh, 50. Asst. prof. econ. & bus. admin, West Liberty State Col, 39-42; sr. asst. econ, N.Y. Univ, 42-43; asst. prof. Delaware, 43-44; instr, City Col. New York, 46; prof. econ. & bus. admin, Wilmington Col, 46-47; assoc. prof. statist, Pittsburgh, 47-56; economist, Olin Mathieson Chem. Corp, 56-63; indust. economist, off. int. ops, U.S. Treas. Dept, 64-65; **DIR. ECON. STUDIES DIV**, U. S. POST OFF. DEPT, 65- Consult, Standard Oil Co.(N.J.), 52-53; Jones & Laughlin Steel Corp, 55; W.Va. Pulp & Paper Co, 56. U.S.N., 44-45. Econ. Assn; Statist. Assn. Industrial statistics; international monetary relations; marketing research; time series analysis and elasticity of demand; taxation of international corporations. Publ: The great depreciation debate, Challenge; How reliable are lab analyses?, Petrol. Refiner; Price simulation in section 482 regulations, Taxes, The Tax Mag, 1/68. Address: 601 Creek Crossing Rd. N.E, Vienna, Va. 22180.

WALTER, DR. KENNETH WILLIAM, b. Sarnia, Ont, Jan. 2, 21; m. 49; c. 2. **BUSINESS GEOGRAPHY**. B.A. Western Ontario, 45; M.A. Syracuse, 47, Ph.D.(bus. geog), 49. **GEOG. ADV. MKT. RES. IMPERIAL OIL LTD.**, 49- Can. Assn. Geog. Business locational research. Address: Imperial Oil Ltd, 111 St. Clair Ave. W, Toronto 7, Ont, Can.

WALTER, PROF. PAUL, JR., b. Santa Fe, N.Mex, Apr. 23, 01. **SOCIOLOGY**. A.B. Stanford, 21, Ph.D. 37. Asst. prof. SOCIOL, NEW MEXICO, 37-45, assoc. prof, 45-48, head dept, 46-61, from prof. to EMER. PROF., 46- State info. officer, Off. Price Admin, N.Mex, 43-44; vis. prof, Boston & Oberlin Col, 45; Stanford, 49; Pa. State Col, 50. Consult, U.S. Dept. Air Force, 54-55. Fel. AAAS. Sociological foundations of education; social control and sciences. Publ: Social science, a problem approach; Race and culture relations. Address: 326 Tulane Dr. N.E, Albuquerque, N.Mex. 87106.

WALTER, DR. PAUL D(ANIEL), b. Johnstown, Pa, Dec. 12, 18; m. 41; c. 1. **PSYCHOLOGY**. A.B. & B.S. Marion Col, 40; A.M. Indiana, 46; Ph.D.(psychol), Pittsburgh, 56. Voc. counsr, Pittsburgh, 50-57, lectr. psychol, 53-57, asst. to dean sch. bus, 57-61, acting dir, bur. bus. res, 59-61, assoc. dean sch. gen. studies, 61; acad. v.pres, Waynesburg Col, 61-63; **DEAN, PITTSBURGH, JOHNSTOWN**, 63- Indust. psychologist, Psychol. Serv, Pittsburgh, Pa, 51-53. Trustee, Quincy Benevolent Home & Orphanage, 60-; Otterbein Col, 61- U.S.A., 43-46. Psychol. Assn. Industrial job selection; personnel problems; vocational counseling. Address: 844 Sunnehanna Dr, Johnstown, Pa. 15905.

WALTER, PROF. RALPH, b. New York, N.Y. Jan. 25, 02; m. 27; c. 2. **EDUCATIONAL PSYCHOLOGY**. B.A. Wesleyan, 22; fel, Harvard, 22-24, Ed.M., 23, Ed.D. 26. Dir. tests, measurements & guid, pub. schs, New Rochelle, N.Y., 25-33; prin, Huguenot Sch, 33-36; Trinity Sch, 36-57; **PROF. PSYCHOL. & ED. MONTCLAIR STATE COL.**, 57- **CHMN. DEPT. ED.**, 65- **DIR. CENTER SCH. SERV.**, 66- Summers, instr, Kentucky, 48; State Univ. Col. Cortland (N.Y.), 50-52, 54. Ed. Res. Assn. Bases of ability grouping; the nongraded elementary school; alternatives to increasing class size; characteristics of effective teachers; a decimal classification system for college courses. Address: Dept. of Psychology & Education, Montclair State College, Upper Montclair, N.J. 07043.

WALTER, DR. SIDNEY, b. Seattle, Wash, Feb. 23, 24; m. 52; c. 2. **PSYCHOLOGY**. B.S. Southern California, 49, M.S. 50; Ed.D. California, Los Angeles, 62. Teacher, pub. schs, Calif, 49-51; instr. psychol, Metrop. City Col, 51-52; adult div, Los Angeles schs, 52-55; training specialist, Los Angeles Civil Serv. Cmn, 56; human factors specialist, Rand Corp, 57-59; sr. human factors specialist, Syst. Develop. Corp, 59-62, human factors scientist, 62-63; chief behav. sci, Packard Bell Corp, 63-64; **DIR. PSYCHOL. SERV. PSYCHOL. SERV. INC.**, 64- Mem. staff, exten. div, California, Los Angeles, 54-; ed. consult, test develop. & construct, 62-; adj. prof-lectr, univ, 62-63 & 64, staff mem, dept. psychol, 64-66; private practice, 54-64; lectr, Kairos Found. & Radio Sta, KLAC; pres, Oceanic Schs, 68- Consult, industries, 54-55; Los Angeles Police & Fire Depts, 57; Beverly Hills Police Dept, 61; Dept. Health & Welfare, 64-; Mont. State Schs, 65; Barstow Unified Sch, 67. U.S.A.A.F., 42-45, Res, 45-; 1st Lt; Distinguished Flying Cross. Psychol. Assn; Personnel & Guid. Assn; Int. Soc. Clin. & Exp. Hypnosis. Human factors; training systems and human interactions; control and conditioning to environment by manipulation. Publ: Factor analysis of the California psychological inventory and the Minnesota counseling inventory, Calif. J. Ed. Res. Address: 6565 Sunset Blvd, Suite 517, Los Angeles, Calif. 90028.

WALTERS, SISTER ANNETTE, b. Elmwood, Wis, May 18, 10. **CLINICAL PSYCHOLOGY**. B.A. Col. St. Catherine, 33; M.A. Minnesota, 35, Ph.D.(psychol), 41; summers, Chicago, 36, Gen. Ed. Bd. fel, 39, 41, Catholic Univ, 40, Western Reserve, 46. Prof. psychol. & chmn. dept, Col. St. Catherine, 43-60, dean studies, 55-57; exec. secy, Sister Formation & staff mem, Nat. Cath. Ed. Assn, D.C., 60-64; prof. psychol, Col. St. Catherine, 65-66; **PROF. PSYCHOL. & CHMN. DEPT. ST. AMBROSE COL.**, 66- Fulbright scholar, Belgium, 52-53; hon. fel, Univ. Minnesota, 64-65. Mem. Nat. Sci. Found. Selection Cmt. Summer Insts, 60-62, 65-67. Fel. Psychol. Assn; Nat. Soc. Sci. Study Relig. Child development; problems of women in our culture; geometrical-optical illusions. Publ: Co-auth, Persons and personality, Appleton, 52; auth, Readings in psychology, Newman, 63 & Emotions help or hinder learning, Cath. Sch. J. Address: Dept. of Psychology, St. Ambrose College, Davenport, Iowa 52803.

WALTERS, PROF. JAMES, Child Psychol, Family Rels, see 10th ed, Soc. & Behav. Vols.

WALTERS, PROF. R(ICHARD) H(AIG), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 68.

WALTERS, DR. ROBERT S(TEPHEN), b. Houston, Tex, Oct. 6, 41; m. 64. **INTERNATIONAL RELATIONS, POLITICAL SCIENCE**. B.A. Michigan, 63, M.A. 64, Ph.D.(polit. sci), 67; fel, Brookings Inst, 68-67. Res. fel. polit. sci, Michigan, 67-68; **ASST. PROF. PITTSBURGH**, 68- Polit. Sci. Assn. Comparative study of Soviet and American economic assistance to less developed countries. Publ: Soviet economic aid to Cuba, Int. Affairs (London), 1/66. Address: Dept. of Political Science, University of Pittsburgh, Pa. 15213.

- WALTERSDORF, DR. M(AURICE) C(LEVELAND), b. Hanover, Pa, Feb. 15, 88; m. 24; c. 1. ECONOMICS. A.B. Franklin & Marshall Col, 16; A.M. Princeton, 22, Ph.D. 25; hon. L.H.D. Washington & Jefferson Col, 56. Asst. prof. econ, WASHINGTON & JEFFERSON COL, 24-27, prof. & head dept, 27-57, secy. faculty, 28-57, dean bus. admin, 39-47, EMER. PROF. ECON, 57- Alumni honor award, Perkiomen Sch, 64. Econ. Asn; Arbit. Asn. Public utility economics; industrial relations; personnel management; public utilities. Publ: Regulations of public utilities in New Jersey. Address: 1312 Oak Hill Ave, Hagerstown, Md. 21740.
- WALTHALL, PROF. WILSON J(ONES), JR, b. San Antonio, Tex, July 7, 18; m. 44; c. 2. PSYCHOLOGY. B.A. & M.A. Texas, 44, Ph.D.(psychol), 48. Asst. prof. PSYCHOL, WYOMING, 47-53, assoc. prof, 53-57, PROF, 57-, HEAD DEPT, 65- Fulbright lectr, Univ. Col, Mandalay, Burma, 54-55. Psychol. Asn. Animal learning; human perception; behavior of plants. Publ: The Kohler Effect, Am. J. Psychol; Field strength of the Kohler Effect, J. Gen. Psychol; Influence of different maze surroundings on learning, J. Comp. & Psychol. Psychol. Address: Dept. of Psychology, University of Wyoming, Laramie, Wyo. 82070.
- WALTHER, PROF. PHILIP GIFFORD, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 66.
- WALTHER, DR. REGIS H(ILLS), b. Chicago, Ill, Nov. 24, 17; m. 39; c. 4. PSYCHOLOGY. A.B. California, Los Angeles, 41; M.A. George Washington, 60, Ph.D.(psychol), 63. Personnel officer, U.S. Off. Price Admin, 42-47; med. adminstr, U.S. Dept. State, 48-56, prog. eval. officer, 57-64; PROF. LECTR. PSYCHOL, GEORGE WASHINGTON, 60-, RES. PROJ. DIR, 64- Res. grants, U.S. Off. Ed, 64, U.S. Dept. Health, Ed. & Welfare & U.S. Dept. Labor, 66-68. AAAS; Psychol. Asn; Soc. Psychol. Study Social Issues. Publ: The psychological dimensions of work: an experimental taxonomy of occupations, Ed. Res. Info. Center, 64; The job analysis and interest measurement, Ed. Testing Serv, 64; Behavior styles and personality characteristics of foreign service officers, Carnegie Found. Int. Peace, 65. Address: 1808 Collingwood Rd, Alexandria, Va. 22308.
- WALTHER, DR. RICHARD E(RNEST), b. Des Moines, Iowa, Nov. 12, 21; m. 51; c. 2. PSYCHOLOGY, EDUCATION. B.A. Texas Christian, 49, M.A. 53; ED.D. North Texas State, 62. Psychiat. aide, U.S. Pub. Health Serv. Hosp, Ft. Worth, Tex, 50-51; supt, Dallas Juvenile Home, 51-61; mgr. systs. anal. ed. sci. div, U.S. Indus. Inc, 61-62, dir. prog. instr, 62-64, dir. res, 64-65, v-pres. res. & develop, 65-66; DIR. RES. ED. SYSTS. DIV, ARIES CORP, 66- Lectr, Fairleigh Dickinson, 63-64. Spec. consult, Nat. Coun. Crime & Delinquency, 54-60. U.S.A. 42-45. Psychol. Asn. Educational research in media and methodology; training systems design; programmed instruction development; curriculum and training evaluation. Publ: Programming for detention, Nat. Coun. Crime & Delinquency Yearbook, 54; Handling behavior problems, Glenwood, 62; co-auth, A pilot study of the use of area of interest self-instructional reading courses among young persons considered to be neither self-motivated nor self-supporting, U.S. Indus. Inc, 66. Address: 809 Downs Dr, Silver Spring, Md. 20904.
- WALTHER, DR. WILLIAM ERWIN, b. Petaluma, Calif, Oct. 4, 34; m. 56; c. 4. PSYCHOLOGY. B.A. Chico State Col, 56; M.Sc. San Diego State Col, 59; Nat. Inst. Ment. Health fcls, Iowa, 60-62, Ph.D.(psychol), 62. Teaching asst, San Diego State Col, 57-59; asst, Iowa, 59-61; lectr. PSYCHOL, CARLETON (CAN), 62-63, ASST. PROF, 63- Res. consult, Ottawa Civic Hosp, 63-66. Am. Psychol. Asn; Can. Psychol. Asn. Concept formation; learning; motivation. Address: Dept. of Psychology, Carleton University, Ottawa 1, Ont. Can.
- WALTON, DEAN CLARENCE C, b. Scranton, Pa, June 22, 15; m. 46; c. 2. BUSINESS ADMINISTRATION. A.B. Scranton, 37, hon. L.H.D. 66; Maxwell scholar. & M.A. Syracuse, 38; Columbus fel. & Ph.D. Catholic Univ, 51; hon. D.Ed. Villanova, 67. Asst. prof. soc. sci, Duquesne, 40-42; prof. hist. & govt, Scranton, 46-53; prof. pub. & bus. admin. & dean sch. bus. admin, Duquesne, 53-58; PROF. BUS. INSTS. SCH. BUS. COLUMBIA, 58-, DEAN SCH. GEN. STUDIES, 64-, assoc. dean grad. sch. bus, 58-64, interim dir. center urban minority affairs, 66-68. Lectr, Marywood Col, 46-53; Penfield fel, Inst. Adv. Int. Studies, Geneva, Switz, 51-52. U.S.N.R., 42-46, Lt. Polit. Sci. Asn; Acad. Polit. Sci; Econ. Asn; Inst. Mgt. Economic and political history; international economic and political relations; public administration. Publ: Co-auth, The business system, 3 Vols, Macmillan, 67; auth, Corporate social responsibilities, Wadsworth, 67; Ethos and the executive, Prentice-Hall, 68. Address: School of General Studies, Columbia University, New York, N.Y. 10027.
- WALTON, DR. H(ANES), JR, b. Augusta, Ga, Sept. 25, 41; m. 64. POLITICAL SCIENCE. A.B. Morehouse Col, 63; M.A. Atlanta, 64; fcls, Howard, 65-67, Ph.D.(govt), 67. Instr. POLIT. SCI, Atlanta, 66; ASSOC. PROF, SAVANNAH STATE COL, 67- Summer consult, South. Regional Coun, 66. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Political theory; Negro and Southern politics; African studies. Publ: The Negro in third party politics, 68; Communist insurrection in Malaya, Faculty Res. Bull, Savannah State Col, 68; The Negro in the Progressive Party movements, Quart. Rev. Higher Ed, 1/68. Address: Box 208, Savannah State College, Savannah, Ga. 31404.
- WALTON, PROF. RICHARD E(UGENE), b. Pulaski, Iowa, Apr. 15, 31; m. 52; c. 2. INDUSTRIAL RELATIONS. B.S. Purdue, 53, M.S. 54; Fulbright grant, Victoria Univ. Col, N.Z., 53; D.B.A.(bus. admin, labor rels), Harvard, 59. Instr. econ, overseas prog, Maryland, 55-56; asst. labor rels, sch. bus. admin, Harvard, 57-58; assoc. prof. orgn. behav, SCH. INDUSTRY MGT, PURDUE, 59-65, PROF. ADMIN. SCI, 65- Ford Found. faculty fel, Michigan, 62; assoc. inst. appl. behav. sci, Nat. Training Labs. Consult, indust. firms, 60-67; Dept. State, 66-67. U.S.A. 54-56. Indust. Rels. Res. Asn; Soc. Appl. Anthropol; Inst. Mgt. Sci; Soc. Psychol. Study Social Issues. International trust; role of third parties. Publ: Impact of professional engineering union, Div. Res. Harvard Bus. Sch, 61; co-auth, Behavioral theory of labor negotiations, McGraw, 65; auth, Interpersonal confrontations and third party functions, Indust. Rels, 67. Address: School of Industrial Management, Purdue University, Lafayette, Ind. 47907.
- WALTON, DR. SCOTT D(AVID), b. May 5, 22. ECONOMICS. B.S. Minnesota, 47; M.B.A. Harvard, 49; Ph.D.(econ), Iowa State Col, 53. Instr. econ, Iowa State Col, 49-52; res. assoc. indust. rels, Minnesota, 52-53; asst. prof. bus. admin. & econ, Augsburg Col, 53-57; ASSOC. PROF. mgt, sch. bus. admin, Oregon, 57-62; gen. bus. Washington (Seattle), 62-66; BUS. ADMIN, OHIO, 66- Lectr, Hamline, 53; res. assoc, Bus. Hist. Found, 57- U.S.N.R., 44-45, Lt. (jg). Econ. Hist. Asn; Acad. Mgt. Business and economic history. Publ: American business and its environment, Macmillan, 66; co-auth, Leadership and executive development. Address: College of Business Administration, Ohio University, Athens, Ohio 45701.
- WALTON, DR. WESLEY W(ILLS), b. Woodlynne, N.J., Aug. 24, 17; m. 41; c. 2. PUBLIC ADMINISTRATION, EDUCATIONAL PSYCHOLOGY. B.S. Glassboro State Col, 39; Ed.M. Duke, 49, fel, 50, Ed.D.(res. utilization), 53. Teacher, Oaklyn Jr. High, N.J., 39-42; res. asst, Brookings Inst, 50-51; proj. dir, ED. TESTING SERV, 53-67, EXEC. ASSOC. ADMIN. & MGT, 67- Mem. human resources res. group, res. & develop. bd, U.S. Dept. Defense, 52-53. U.S.A.R., 42-66, Lt. Col. Psychol. Asn; Personnel & Guid. Asn. Organization and management; information systems; planning, programming, budgeting systems; systems analysis; educational technology. Publ: Potentialities of the computer for measurement and prediction, Ed. & Psychol. Measurement, spring 65; Needed: better information about colleges, Bull. Nat. Assn. Sec. Sch. Prin, 9/67. Address: 36 Herrontown Circle, Princeton, N.J. 08540.
- WALTON, DR. WILLIAM E(DWARD), b. Seymour, Iowa, Nov. 4, 02; m. 28; c. 2. PSYCHOLOGY. A.B. Kansas, 26, M.A. 28; Ph.D.(psychol), 31; fel, Iowa, 31-32. Asst. prof. psychol, Nebraska, 28-42; personnel dir, Perfecold, Inc, Los Angeles, 46-48; chief counsr, Phoenix Union High Sch. Dist, Ariz, 48-50; Lynwood Union Schs, Calif, 50-52; chief clin. psychologist, Keesler Air Force Base, 52-55; chief voc. counseling serv, Vet. Admin. Hosp, Long Beach, Calif, 55-56; consult. psychologist, Anaheim Counseling Serv, 56-67; PSYCHOLOGIST, PSYCHOL. GUID. CENTER, 68- U.S.A.A.F., 42-46. Fel. Psychol. Asn. Animal, child and personnel psychology. Publ: Color vision and color preference in the albino rat & co-auth, Color discrimination in rats, J. Comp. Psychol; Effects of avitaminosis-A on visual discrimination in the rat, J. Genet. Psychol. Address: Psychological Guidance Center, 1023 W. La Palma, Anaheim, Calif. 92801.
- WALTZ, PROF. KENNETH N(EAL), b. Ann Arbor, Mich, June 8, 24; m. 49; c. 3. POLITICAL SCIENCE. A.B. Oberlin Col, 48; M.A. Columbia, 50, Ph.D. (polit. sci), 54. Asst. inst. war & peace studies, Columbia, 52-54, res. assoc, 54-64, lectr. & instr. polit. sci, univ, 55-56, asst. prof, 56-57; assoc. prof, Swarthmore Col, 57-64, prof, 64-66; polit, BRANDEIS, 66-67, ADLAI E. STEVENSON PROF. INT. POLIT, 67- Columbia fel. polit. theory & int. rels, London, 59-60; res. assoc, center int. affairs, Harvard, 63-64, 68-69. Consult, Hudson Inst, 61-, Nat. Sci. Found, 66-; Dept. Health, Ed. & Welfare, 66-67. U.S.A. 44-46, 51, 1st Lt. Polit. Sci. Asn.(secy, 66-67); Int. Studies Asn. Political theory; international politics; foreign policy. Publ: Man, the state, and war, Columbia, 59; Foreign policy and democratic politics, Little, 67; Stability of a bipolar world, Daedalus, summer 64. Address: Dept. of Politics, Brandeis University, Waltham, Mass. 02154.
- WALTZER, PROF. HERBERT, b. Brooklyn, N.Y., May 29, 30; m. 62; c. 3. POLITICAL SCIENCE. A.B. N.Y. Univ, 51, A.M. 54, Ph.D.(govt), 59. Instr. POLIT. SCI, N.Y. Univ, 54-55; asst. prof, MIAMI (OHIO), 57-62, assoc. prof, 62-66, PROF, 66- Nat. Center Ed. in Polit. faculty fel, 61; Nat. Center Ed. in Polit-Eagleton Inst. Polit. faculty nat. convention fel, 64; Rockefeller Found. Prog. Constitutional Democracy res. fel, 64-65; Soc. Sci. Res. Coun. res. grant, 68. V.chmn. planning cmn, Village Oxford, Ohio, 62-64. U.S.A.F., 55-57, Capt. Polit. Sci. Asn. Political behavior; American and comparative systems of politics, especially party systems; political communications; political attitudes and electoral behavior; scope and methods of political science; empirical political theory. Publ: American government, Visual Ed. Asn, 63; co-auth, The politics of reapportionment, Atherton, 63; auth, In the magic lantern: television coverage of the 1964 national conventions, Pub. Opinion Quart, spring 66. Address: Dept. of Political Science, Miami University, Oxford, Ohio 45056.
- WALUM, DR. LAUREL R(ICHARDSON), b. Chicago, Ill, July 15, 36; m. 59; c. 2. SOCIOLOGY. Ford Found. fel. & A.B. Chicago, 55, McKibben-Sunny fel. & B.A. 56; U.S. Pub. Health Serv. & univ. fcls. & Ph.D.(sociol), Colorado, 63. Asst. prof. sociol, Calif. State Col. Los Angeles, 62-64; Dept. Health, Ed. & Welfare fel. med. sociol, Ohio State, 64-65; ASST. PROF. SOCIOLOG, DENISON, 65- Nat. Sci. Found. faculty fel, 63-64. AAAS; Sociol. Asn. Sociology of science. Address: Dept. of Sociology, Denison University, Granville, Ohio 43023.
- WALZ, DR. EDGAR, b. Freeman, S.Dak, Apr. 13, 14; m. 37; c. 1. EDUCATIONAL PSYCHOLOGY, BUSINESS ADMINISTRATION. B.A. Concordia Sem, 46, B.D. 55; M.A. Ball State, 55; Ed.D. Indiana, 61. Asst. prof. ed. & psychol, CONCORDIA COL.(IND), 51-57, PSYCHOL, 57-63, ASSOC. PROF, 63- Lectr, exten. div, Indiana, 56- Curricular studies in economic education for ministerial students of the Lutheran Church in the Missouri Synod. Publ: Proposed program of business education for the Lutheran Church Missouri Synod ministerial students; Business management handbook for ministers; Be budget wise! Address: Dept. of Psychology, Concordia College, Ft. Wayne, Ind. 46805.
- WALZ, PROF. ORRY C(ARWIN), b. Wilson, Kans, Jan. 24, 07; m. 47; c. 1. SOCIOLOGY. Fel, Kansas, 31-32, Ph.D.(sociol), 54; fel, Chicago, 33-34. Prof. SOCIOL. & head dept, E.Cent. State Col, 54-60; assoc. prof, Mankato State Col, 60-62; PROF, WIS. STATE, EAU CLAIRE, 62- Mem. Nat. Sci. Found. Inst, 61. Am. Red Cross Overseas Serv, 41-45. Pop. Asn. Rural-urban migration; problems of rural youth. Construction of a rural-urban index. Address: Dept. of Sociology, Wisconsin State University, Eau Claire, Wis. 54701.
- WAMBACH, DR. ROBERT F, b. Detroit, Mich, Sept. 29, 30; m. 52; c. 3. FOREST ECONOMICS, FOREST MANAGEMENT. B.S.F. Montana, 57; M.F., Michigan, 59; Ph.D.(forest econ), 67. Forester, forest inventory, Intermt.

- Forest Exp. Sta. U.S. Forest Serv. 57-58, res. forester, silviculture north. conifers, Lake State Forest Exp. Sta. 59-62, res. proj. leader plantation mgt, 62-64, silviculture north. conifers, N.Cent. Forest Exp. Sta. 64-67; ASSOC. PROF. FOREST ECON, MONTANA, 67- U.S.A.F. 50-55, S/Sgt. AAAS; Soc. Am. Foresters; Econ. Asn. Growth and yield studies in northern conifers; silviculture of northern conifers; economic aspects of forest management, especially forest plantation management; development of methodology for decision-making in forestry. Publ: Co-auth. A computer program for evaluating long-term forestry investments, U.S. Forest Serv. Res. Paper, 4/67, Physical responses and economic implications of thinning methods in red pine, Proc. Soc. Am. Foresters, 65 & The importance of site quality in red pine, Papers Mich. Acad. Sci., Arts & Letters, 65. Address: School of Forestry, University of Montana, Missoula, Mont. 59801.
- WAND, DR. BARBARA M(ARGARET), b. Port Hope, Ont, Dec. 2, 26; m. 51; c. 2. PSYCHOLOGY. B.A. Queen's (Ont), 49; A.M. Cornell, 51; Ph.D.(soc. psychol), Toronto, 58. Assoc. res. psychol. measurement, Ed. Testing Serv. N.J., 53-56; PSYCHOLOGIST, ment. health clin, Ottawa Civic Hosp, Ont, 56-57; COLLEGIATE INST. BD. OTTAWA, 65- Part-time lectr, Carleton, 57-58, 66-67; part-time res. officer, res. div, Can. Broadcasting Corp, 58-59, 63-65. Am. Psychol. Asn; Can. Psychol. Asn. Motivation in work; problem solving and creativity; small groups processes. Publ: Flexibility in intellectual performance, Ed. Testing Serv, 58; co-auth, The in-basket test, Psychol. Monogr.(Gen. & Appl), Vol. 71, No. 9; auth, Television viewing and family choice differences, Pub. Opinion Quart, spring 68. Address: Collegiate Institute Board of Ottawa, 662 Lyon St, Ottawa 1, Ont, Can.
- WANDEL, DR. WILLIAM H(AMLIN), b. West Pittston, Pa, Dec. 12, 06; m. 33; c. 2. ECONOMICS. B.S. Pennsylvania, 28; Mitchell scholar, Columbia, 30-31, M.S., 31, univ. fel, 31-32, Ph.D., 35. Econ. adv. trade practices, Nat. Recovery Admin, 34-35; tech. adv. Soc. Security Bd, 35-37, sr. tech. adv. & chief div. legis, 37-39, prin. tech. adv, 39-47, asst. chief unemploy. compensation div, 39-42, chief, 42-47; div. prog. standards, bur. employ. security, U.S. Dept. Labor, 47-51; DIR. RES. NATIONWIDE INS. CO, 51- Int. Labor Off. Consult. to Thailand, 57-58; head adv. mission, Japanese soc. security prog, Supreme Comdr. Allied Powers, 47. Fel. Pub. Health Asn; Indust. Rels. Res. Asn. Social security; economic aspects of insurance and the Social Security Act. Publ: Control of competition in fire insurance; Social Insurance Act in operation. Address: Nationwide Insurance Co, Columbus, Ohio 43216.
- WANDERER, DR. JULES J, b. New York, N.Y., Feb. 1, 30; m. SOCIOLOGY. B.A. Colorado, 57, Ph.D.(sociol), 62. Lectr. SOCIOL, European Div, Univ. Maryland, 62-63; ASST. PROF, COLORADO, 63- Sociol. Asn; Statist. Asn. Methodology; deviance. Address: Dept. of Sociology, University of Colorado, Boulder, Colo. 80302.
- WANDERER, DR. ZEV W(ILLIAM), b. New York, N.Y., Apr. 4, 32; m. 61. CLINICAL & EXPERIMENTAL PSYCHOLOGY. B.A. Yeshiva, 53; M.S. City Col. New York, 54; M.A. Columbia, 56, Ph.D.(clin. psychol), 64. Psychologist intern, Kings County Psychiat. Hosp, Brooklyn, N.Y., 57-58; sr. clin. psychologist, Willowbrook State Hosp, 60-64; dir. res, Ill. State Inst. Juvenile Res. William Healy Sch, 64-65; U.S. Voc. Rehab. Admin. fed. res. grant proj. dir, Los Angeles County Ment. Retardation Bd, 65-66; DIR, CENTER BEHAV. THER, 67- Lectr. State Island Community Col, 61-64; asst. prof. col. med, Illinois, 64-65; mem. faculty, exten. div, California, Los Angeles, 66- Psychol. consult, Marianne Frostig Center Ed. Ther, 66-67. Ed, J. Client-Centered Counseling, 63-64. Psychol. Asn; Group Psychother. Asn; Asn. Ment. Deficiency. Publ: Nature of mongoloid intelligence & Flickery test: a new instrument for the detection of mental retardation in infants, Am. J. Ment. Deficiency; Validity of clinical judgements based on human figure drawings, Proc. Am. Psychol. Asn, 66 & J. Counseling Psychol, 68. Address: Center for Behavior Therapy, 415 N. Camden Dr, Beverly Hills, Calif. 90210.
- WANDT, PROF. EDWIN, b. St. Louis, Mo, Mar. 7, 23; m. 48. EDUCATIONAL PSYCHOLOGY. A.B. California, Los Angeles, 46, M.Ed, 48, Ed.D.(ed. psychol), 51. Teacher math, city schs, Los Angeles, 48-49; instr. ed, exten. & statistician & res. assoc. teacher characteristics study, California, 50-52; asst. prof. ED, Bd. Higher Ed, New York, 52-54; from asst. prof. to PROF, CALIF. STATE COL. LOS ANGELES, 54- U.S.A., 43-46. Psychol. Asn; Ed. Res. Asn. Educational measurement and evaluation; educational research methodology; personnel research. Publ: Co-auth, Essentials of educational evaluation; auth, A cross-section of educational research, McKay, 65. Address: 670 Hamlet Dr, Monterey Park, Calif. 91754.
- WANDYCYZ, PROF. PIOTR STEFAN, Mod. European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WANG, DR. CHARLES K(ILLORD) A(THEN), b. Kaifeng, China, Apr. 14, 02; nat; m. 51; c. 3. PSYCHOLOGY. A.B. Furman, 24; M.A. Chicago, 26, Ph.D., 31. Res. assoc. psychol, Chicago, 31-32; prof. ed. psychol, Fu Jen Univ, China, 32-43; dir. res, ministry soc. affairs, Chinese Nat. Govt, 43-46; prof. psychol, Nat. Cent. Univ, China, 47-49; lectr. ed. psychol, N.Y. Univ, 50-52; ASSOC. PROF. PSYCHOL, CALIF. STATE COL. LOS ANGELES, 53- Non. lectr, Peking Union Med. Col, China, 34-38. Consult, HumRRO, U.S. Air Force, 54-55. Mem, mil. psychol. cmm, Nat. Defense Ministry, China, 44-47. AAAS; Psychol. Asn. Psychological testing and measurement; statistical techniques; language behavior; creative thinking. Publ: Annotated bibliography of mental tests and scales; Significance of early personal history for certain personality traits, Am. J. Psychol; Reactions in communist China, U.S.A.F. Tech. Res. Report. Address: Dept. of Psychology, California State College at Los Angeles, Los Angeles, Calif. 90032.
- WANG, DR. GEORGE CHUNG, b. Shanghai, China, June 26, 20; U.S. citizen; m. 45; c. 5. ECONOMICS. B.A. St. John's Univ, China, 46, M.B.A., 47; M.A. Columbia, 63, Ph.D.(econ), 68. ASST. PROF. ECON, Tennessee, 63-67; SOUTHERN CALIFORNIA, 67- Ed. Chinese Econ. Studies, 67-; consult, Syst. Assoc, Inc, 68- Econ. Asn. International trade and economic development, especially Asia and the Far East. Publ: Co-auth, Sino-Soviet economic relations, Hamburg Univ, 69. Address: Dept. of Economics, University of Southern California, University Park, Los Angeles, Calif. 90007.
- WANG, DR. JAMES D(ANIEL), b. Laohokow, China, Aug. 18, 08; nat; m. 33; c. 4. CLINICAL PSYCHOLOGY. B.A. Pacific Union Col, 38; S.D.A. Theol. Sem, D.C., 38; M.A. Peabody Col, 39, Ph.D.(psychol), 41; Purdue, 52. Prof. psychol. & pres, China Training Inst, 41-47; secy. young people's dept, China div, Seventh Day Adventists, 47-48; prof. psychol, Emmanuel Missionary Col, 48-51; clin. psychologist, psychol. clin, Purdue, 51-52; GALESBURG STATE RES. HOSP, 52-58, supv. psychologist, 58-67, PSYCHOLOGIST, 67- Dir, Sungpao Child Guid. Clin, Chungking, China, 41-47; dir, Inst. Purposeful Living, Ill, 67- Consult, Wabash Valley Sanatorium, Ind, 51-52. Mem, World Fedn. Ment. Health. Psychol. Asn; Sci. Res. Asn; Nat. Ed. Asn. Projective techniques; personality and character development; individual and group psychotherapy, especially logotherapy. Publ: Study of certain factors associated with childrens play interests: Relationship between childrens play interests and their emotional stability. Address: Good Samaritan Sanitarium & Hospital, Inc, Knoxville, Ill. 61448.
- WANG, KUNG-LEE, b. Pei-Tai-Ho Hopei, China, Aug. 12, 25; nat; m. 59; c. 1. ECONOMICS, OPERATIONS ANALYSIS. B.A. Yenching Univ, China, 47; M.A. Brown, 50; M.B.A. Columbia, 58; Nat. Inst. Pub. Affairs award, Harvard, 64, fel, 65, M.P.A., 65. Asst. econ, Brown, 49-51; acct. in charge fiscal mgt, Bushwick Hosp, 52-55; economist, civilian & mil. ops. analysis & int. econ, Corp. Econ. & Indust. Res. Inc, 55-60; economist, off. chief economist, U.S. BUR. MINES, 60-63, RES. COORDINATOR, regional studies, div. econ. anal, 63-66, regional econ. studies, 66-68, quant. econ. div. mineral econ, Consult, C-E-I-R, Inc, 60-61; oper. res. off, Hopkins, 60-61; Res. Anal. Corp, 61- AAAS; Econ. Asn; Asn. Asian Studies; Regional Sci. Asn; Inst. Mgt. Sci. Quantitative economic analysis; resource and regional economics; process and input-output analysis; statistics; international economic development; Asian economics. Publ: Review of the mineral industries: Observations on counter weights to rising Chinese Communist power, Res. Anal. Corp, 6/63; co-auth, The interindustry structure of the U.S. mining industries—1958, Bur. Mines, 6/67. Address: 9301 19th Ave, Apt. 102, Adelphi, Md. 20783.
- WANG, DR. N(AN)-T(ZU), b. China, July 25, 17; m. 42; c. 5. ECONOMICS. A.B. Columbia, 41; A.M. Harvard, 43, univ. fel. Austin scholar & Saltonstall scholar, 43-45, Ph.D., 45. Dep. dir. dept. commerce, N.E. Econ. Cmn, 46-48; acting dir. regional off, Coun. for U.S. Aid, Taiwan, 48-49; instr. econ, Columbia, 49-51; mem. staff, UN, 51-65, CHIEF ECON. SURV. SECT, 65- Vis. prof, Pittsburgh, 62; leader, UN Mission Eval. of Plan Implementation, Jamaica, 67. Adv. export-import bd, Cent. Govt. China, 48; assoc. Harvard prog. Chinese econ. studies, 55- Econ. Asn; Statist. Asn; Economet. Soc. Economic development of less-developed countries; financing of economic and social development; evaluation of plan implementation. Publ: New proposals for the international finance of development, Princeton, 67; International comparison of public social expenditures; Preferential schemes: a reappraisal, Banca Nazionale del Lavoro, 67. Address: 25 Lincoln St, Larchmont, N.Y. 10538.
- WANG, DR. PETER C, b. Shantung, China, Jan. 11, 38; m. 60; c. 1. STATISTICS. B.A. Pacific Lutheran, 60; M.A. Wayne State, 62, Ph.D.(math), 66. Res. asst. math, Oregon, 59-60; instr, Wayne State, 64-66; ASST. PROF. probability & statist, Mich. State, 66-67; STATIST, IOWA, 67- Am. Math. Soc; London Math. Soc; Opers. Res. Soc. Am. Applied probability theory; stochastic processes. Address: Mathematical Science Division, University of Iowa, Iowa City, Iowa 52240.
- WANG, DR. SHENG-WU, b. Tientsin, China, Sept. 14, 22; U.S. Citizen. ECONOMICS. A.B. Nat. Southwest Assoc. Univ, China, 43; A.M. Missouri, 51; Ph.D.(econ), Wisconsin, 59. Lectr. ECON, City Col. New York, 60-64; asst. prof, KING'S COL.(PA), 64-67, ASSOC. PROF, 67- Econ. Asn. Microeconomic theory, especially relations to macroeconomic variables; quantitative methods and their application in empirical research in economics. Address: Dept. of Economics, King's College, Wilkes-Barre, Pa. 18702.
- WANG, PROF. WILLIAM S-Y, Ling, see 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- WANG, DR. YING YAO, Statist, see 11th ed, Phys. & Biol. Vols.
- WANN, PROF. ANDREW JACKSON, b. Humansville, Mo. Oct. 2, 19; m. 48; c. 2. POLITICAL SCIENCE. INDUSTRIAL RELATIONS. A.B. Drury Col, 40; fel, Hopkins, 41-42; Ph.D.(polit. sci), Missouri, 61. Instr. polit. sci, Col. William & Mary, 46-48; Missouri, 48-51; dir. int. univ. labor ed. cmt. prog, Wisconsin, 51-52; asst. prof. labor & indust. rels, Illinois, Urbana, 52-57, assoc. prof, 57-64; prof. col. admin. sci. & dir. labor ed. & res, Ohio State, 64-68; PROF. POLIT. SCI. & CHMN. DEPT. UTAH, 68- U.S.A. 42-46, Capt. Polit. Sci. Asn; Indust. Rels. Res. Asn; Arbit. Asn. American presidency; role of government and politics in labor and industrial relations. Co-auth, Philosophy and policies of Woodrow Wilson, Univ. Chicago, 58; auth, The President as chief administrator, Pub. Affairs Press, 68; Franklin D. Roosevelt and the bureau of the budget, Bus. & Govt. Rev. Univ. Missouri, 68. Address: Dept. of Political Science, University of Utah, Salt Lake City, Utah 84112.
- WANN, PROF. TRENTON W(ILLIAM), Psychol, see 10th ed, Soc. & Behav. Vols.
- WANTMAN, MOREY J(ACKSON), b. Winnipeg, Man, Sept. 27, 13; U.S. citizen; m. 47. STATISTICS. B.A. Harvard, 35. Teacher, schs, Mass, 35-37; asst, Harvard, 38; mem. staff, Carnegie Found. Adv. Teaching, 38-41; teaching asst. statist, Rochester, 41-42, asst. prof, 42-46, chief div. statist, Manhattan Proj, med. sch, 43-46, asst. to dir. proj, 44-46, assoc. prof. ed. psychol. & statist, univ, 46-54, prof, 54-57, dir. bur. ed. statist, 46-54, testing & counseling serv, 54-56, assoc. dean, instr. & students servs, 54-57; via. dir. ed. measurement & res, Malaya, 57-60; dir. adv. & instr. progs, Ed. Testing Serv, 60-67; PROF. PSYCHOL. & DIR. HEALTH RES. PROGS, CITY UNIV. NEW YORK, 67- Vis. prof, sch. ed, Univ. Malaya, 65. Consult, Am.

- Bd. Internal Med. 46-57; Colgate-Rochester Divinity Sch. 50-52; Ministries of Ed, Singapore, 57-60; Fedn. of Malaya, 57-60; N. Borneo, 59; Pakistan, Uganda, S. Rhodesia, Nigeria, Ghana, Liberia, 60; Honduras, Guatemala, Colombia, Chile, 62. Asst. to dir. res. cmt. selection & training aircraft pilots, Nat. Res. Coun. 41-43, dir. testing, 42-43. Dipl. Am. Bd. Exam. Prinl. Psychol. AAAS; fel. Psychol. Asn; Statist. Asn; Psychomet. Soc; Ed. Res. Asn. Statistics in public health, biology, medicine and psychology; population surveys; problems in overseas areas. Address: City University of New York Graduate Center, 33 W. 42nd St, New York, N.Y. 10036.
- WAPLES, DR. DOUGLAS, b. Philadelphia, Pa, Mar. 3, 93. SOCIAL PSYCHOLOGY. A.B. Haverford Col, 14, A.M. 15; A.M. Harvard, 17; London, 19; Harrison fel. Pennsylvania, 19-20, Ph.D. 20; hon. Litt.D. Univ. San Agustín, Peru, 59. Asst. prof. Tufts Col, 20-23; asst. prof. & secy. grad. coun. Pittsburgh, 23-25; asst. prof. ed. Chicago, 25-28, prof. commun. soc. sci. div. Chicago, 28-58. Fulbright res. grant, India, 53-54; Peru, 58-59. Res. consult. War Commun. Res. 40; U.S. Dept. State; U.S. Dept. Defense. Consult. intel. bur. Off. War Info, 42, chief overseas rep, 42; res. officer, U.S. War Dept, 43, chief res. sect. Army Specialized Training Dept, 43-44; plans officer, Off. Strategic Serv., 44; chief pub. br. Supreme Hq. Allied Exped. Force, London, Paris & Frankfurt, 44-45; Off. Mil. Govt. Germany, 43-48. Secy. U.S. Naval Aviation, London, 17-18; spec. defense unit, U.S. Dept. Justice, 41. Mil. Intel. 48, Col. Sociol. Asn; Polit. Sci. Asn. International communication; strategic intelligence; propaganda research. Publ: What reading does to people; Los problemas de la comunicación pública en el Perú; ed, Print, radio and film in a democracy. Address: Washington Island, Wis. 54246.
- WAPNER, PROF. SEYMOUR, b. New York, N.Y., Nov. 20, 17; m. 46; c. 2. PSYCHOLOGY. A.B. N.Y. Univ. 39; A.M. Michigan, 40, fels. 40-41, 42-43, Ph.D. (psychol), 43. Asst. psychol. Michigan, 42-43, instr. exten. div. 43; instr. & tech. asst. statist. off. Nat. Res. Coun. cmt. selection & training aircraft pilots, Rochester, 43-45, dir. 45-46; asst. prof. PSYCHOL. Brooklyn Col, 46-48, acting chmn. dept. 47-48; assoc. prof. CLARK, 48-55, prof. 55-63, G. STANLEY HALL PROF. 63. Mem. bd. dir. Heinz Werner Inst. Develop. Psychol. Clark, 57-64, exec. cmn. 64-65, chmn. 65. AAAS; fel. Psychol. Asn; N.Y. Acad. Sci; Psychonomic Soc; Soc. Res. Child Develop. Perception; cognition; ontogenetic development, including middle and old age; personality and perception; psychopharmacology; comparative animal psychology. Publ: Co-auth. Personality through perception, Harper, 54; Perceptual development, Clark Univ, 57; The body percept, Random, 65. Address: Dept. of Psychology, Clark University, Worcester, Mass. 01610.
- WARBURTON, DR. CLARK, b. Shady Grove, N.Y., Jan. 27, 96; m. 29; c. 1. ECONOMICS. A.B. Cornell, 21, A.M. 28; Ph.D. Columbia, 32. Instr. econ. Ewing Christian Col. & lectr. grad. sch. Allahabad, 21-25; instr. Rice Inst. 25-29; assoc. prof. Emory, 29-31; mem. res. staff, Fed. Reserve Cmt. Br. Group & Chain Banking, 32; Brookings Inst. 32-34; from economist to chief banking & bus. sect. div. res. & statist. Fed. Deposit Ins. Corp. 34-65; RETIRED. Vis. prof. California, Davis, 66-67. Econ. Asn; Econ. Hist. Asn. Banking and deposit insurance; value of national product and distribution of income; history of insurance of bank obligation; monetary policy and business fluctuations. Publ: Depression, inflation, and monetary policy, Johns Hopkins, 66. Address: 1031 Pine Hill Rd, McLean, Va. 22101.
- WARBURTON, DR. THOMAS RENNIE, b. St. Helens, Eng, July 20, 37; m. 66. SOCIOLOGY. B.A. Leeds, 58; Ph.D. (sociol), London Sch. Econ. 66. Lectr. SOCIOL. VICTORIA (B.C.), 65-66, ASST. PROF. 66. Brit. Sociol. Asn. Sociology of religion, especially holiness groups in Britain; sociological theory; survey research. Publ: Organization and change in a British holiness movement, In: Patterns of sectarianism, Heinemann Ed. Books, 68. Address: Dept. of Anthropology & Sociology, University of Victoria, Victoria, B.C., Can.
- WARD, DR. ANNIE W (ARREN), b. Martin, Tenn, Feb. 28, 20; m. 39; c. 3. EDUCATIONAL PSYCHOLOGY. B.S. Tennessee, 52, M.S. 54, Ph.D. (psychol, psychomet, counseling), 58. Asst. dir. testing bur. State Testing Prog. Univ. Tennessee, 54-56, dir. 56-59; sch. psychologist, VOLUSIA COUNTY SCHO. FLA, 59-60, coordinator, guid. testing & res. 60-68, SUPVR. SPEC. ED. SERV. 68. Consult. coop. test div. Ed. Testing Serv. 59. Psychol. Asn; Personnel & Guid. Asn; Nat. Coun. Measurement in Ed. Psychometric development; application of learning theory to educational practice; evaluation of educational programs; guidance practice and theory. Address: 549 N. Hayden, De Land, Fla. 32720.
- WARD, DR. CHARLES D (UANE), b. Stillwater, Okla, Dec. 31, 35; m. 66. PSYCHOLOGY. B.A. Pomona Col, 58; Nat. Sci. Found. fel. & M.A. North Carolina, 62, Nat. Inst. Ment. Health fel. 62-63, Ph.D. (soc. psychol), 63. Asst. prof. PSYCHOL. MARYLAND, 63-67, ASSOC. PROF. 67. Res. grants, Gen. Res. Bd, 64; Off. Naval Res. 67-69. Psychol. Asn; Sociol. Asn. Small groups; attitude change; social judgment. Publ: A further examination of birth order as a selective factor among volunteer subjects, J. Abnorm. & Soc. Psychol. 9/64; Ego-involvement and the absolute judgment of attitude statements, J. Personality & Soc. Psychol. 8/65; Own height, sex, and liking in the judgment of the heights of others, J. Personality, 9/67. Address: Dept. of Psychology, University of Maryland, College Park, Md. 20742.
- WARD, PROF. DAVID A (LLEN), b. Dedham, Mass, July 21, 33; m. 65; c. 2. SOCIOLOGY. B.A. Colby Col, 55; Tufts, 55-56; Ph.D. (sociol), Illinois, 60. Res. asst. sociol. Illinois, 58-60; asst. prof. Washington State, 60-61; asst. res. sociologist, California, Los Angeles, 61-64; assoc. prof. SOCIOL. MINNESOTA, MINNEAPOLIS, 65-68, PROF. 68. Vis. prof. Rhode Island, summer 66; California, Riverside, 68; fel. law & sociol. Harvard, 68-69. Sociol. Asn; Soc. Study Social Probs; Law & Society Asn; Int. Soc. Criminol. Evaluation of correctional treatment outcome; social organization of the prison community. Publ: Co-auth. Women's prison, Aldine, 65. Crime, delinquency and social process, Harper, 68 & Prison treatment and its outcome, Wiley, (in press). Address: Dept. of Sociology, University of Minnesota, Minneapolis, Minn. 55455.
- WARD, PROF. EDWARD H (AZELBERG), b. Wis, Aug. 6, 21; m. 44; c. 3. AGRICULTURAL ECONOMICS. B.S. Wisconsin, 46, M.S. 49, Ph.D. (agr. econ), 54. Asst. prof. AGR. ECON. MONT. STATE, 49-55, assoc. prof. 55-60, PROF. 60., dir. peace corps training proj, 67. Vis. assoc. prof. Gadiah Mada, Jogjakarta, from Wisconsin, 57-59; vis. prof. Univ. California, Berkeley Proj, São Paulo, Brazil, 62-64. U.S.A. 42-46. Agr. Econ. Asn; Int. Asn. Agr. Econ. Economics of marketing farm products. Publ: Influence of technological and legal changes on the operation of the Montana milk control law; Pricing formula for Montana milk; concentrated milk, some aspects of costs and acceptance for retail distribution. Address: Dept. of Agricultural Economics, Montana State University, Bozeman, Mont. 59715.
- WARD, DR. FRANK (BIRD), b. Cincinnati, Ohio, Nov. 1, 94. ECONOMICS. Ph.B. Denison, 17; A.M. Cincinnati, 20; Ohio State, 21; Ph.D. Pennsylvania, 26. Prof. econ. Juniata Col, 20-22; instr. Pennsylvania, 26-29; assoc. prof. TENNESSEE, 29-36, from prof. econ. to head dept. 36-51, dean COL. BUS. ADMIN, 51-64, EMER. DEAN, 64. Econ. Asn. Economic theory; labor problems; improving labor relations. Address: 702 Forest Hill Blvd, Knoxville, Tenn. 37919.
- WARD, DR. GEORGE, II, b. Mill Creek, W. Va, June 8, 25; m. 56; c. 4. PSYCHOLOGY. A.B. West Virginia, 49, M.A. 56; A.M. Harvard, 52; Nat. Sci. Found. fel. Fla. State, 60; Ph.D. Ohio State, 61. Instr. PSYCHOL. Fairmont State Col, 53-55, asst. prof. 56-60, assoc. prof. 60-62; MARSHALL, 62-65, PROF. 65-. CHMN. DEPT. 66. Summer, vis. instr. West Virginia, 52. U.S.N.R. 43-46. Psychol. Asn; Nat. Coun. Measurement in Ed; Ed. Res. Asn. Behavior and learning theory; test theory and construction; history and philosophy of brain functions. Address: 110 Green Oak Dr, Huntington, W. Va. 25705.
- WARD, PROF. GORDON H (UGH), b. Chicago, Ill, June 27, 03; m. 40. AGRICULTURAL ECONOMICS. B.S. Mass. Agr. Col, 25; Columbia, 26-28; M.A. Minnesota, 26, Soc. Sci. Res. Coun. fel. 29-30, Ph.D. (agr. econ), 30. Exten. specialist, agr. exten. serv. Va. Polytech. Inst. 30-36, prof. agr. econ. 36-49; coop. specialist, Supreme Cmdr. Allied Powers, U.S. Dept. Army, Japan, 49-51; consult. off. for agr. rela. U.S. Dept. Agr. 51-52; coop. specialist, Food & Agr. Orgn, UN, & adv. Ministry Coops, Thailand, 52-54; exten. specialist, Food & Agr. Orgn, UN, & adv. Egyptian Agr. Exten. Serv. 54-56; prof. agr. econ. American Univ. Beirut, 57-68, head, agr. econ. & soc. div. 58-68; RETIRED. Lectr. Va. Polytech. Inst. 33-46; Coop. Sch. Tokyo, 49-51; coop. col. Kasetsart Univ, Thailand, 52-54. Consult. for aid progs, Nationwide Ins. Cos, 51; Ministry Agr. Lebanon, 60-68; food & agr. orgn, UN, 68-68; Ford Found, 67-68. Agr. Econ. Asn; Int. Asn. Agr. Econ. Agricultural cooperatives; marketing; production costs of farm products; credit; agricultural development. Publ: Operation and management of farmer cooperatives; Economics of Litani Irrigation Project, Lebanon, Int. J. Agrarian Affairs; Farmer cooperatives in Iraq, Amer. Univ. Beirut, 12/67. Address: Lambs Lane, Cresskill, N.J. 07626.
- WARD, PROF. HAROLD WESLEY, b. Milwaukee, Wis, May 8, 16. POLITICAL SCIENCE. A.B. Beloit Col, 38; fel. La. State, 33-39, A.M. 39; fel. Virginia, 39-41, 44-45, Ph.D. 46. Instr. POLIT. SCI. Cornell Col, 48-47, asst. prof. 47-48, assoc. prof. 48-53, prof. 53-55; assoc. prof. Southern Illinois, 55-59; PROF. ELMIRA COL, 59-. DIR. LOCAL GOVT. INTERNSHIP PROG, 66-, chmn. div. soc. sci. 59-66. Ford fel. 53-54. Polit. Sci. Asn; Soc. Pub. Admin. Theory; public administration; American government. Publ: Administration of liquor control in Virginia. Address: 830 Sunset Dr, Elmira, N.Y. 14905.
- WARD, DEAN HOWARD A (LLEN), b. Armada, Mich, Apr. 13, 20; m. 42; c. 3. ECONOMICS. Ph.D. (econ), St. Louis, 51. Instr. econ. Detroit, 47-49, asst. prof. finance, 52-54; economist, Chrysler Corp, 54-57; PROF. FINANCE, DETROIT, 57-. DEAN EVE. COL. BUS. & ADMIN, 63- U.S.A. 42-45, 51-52, Lt. Econ. Asn; Finance Asn. Publ: Executive compensation; Financial management, Houghton, 63. Address: 2817 Galpin St, Royal Oak, Mich. 48073.
- WARD, DR. JOE H (ENRY), JR, b. Austin, Tex, Sept. 2, 26; m. 49; c. 2. EDUCATIONAL PSYCHOLOGY. B.A. Texas, 47, M.A. 49, Ph.D. (ed. psychol), 53. Instr. math. Texas Mil. Inst. 49-51; personnel res. psychologist, personnel lab, Lackland Air Force Base, 51-67; PROG. DIR. ED. TECH. SOUTHWEST ED. DEVELOP. LAB, 67. Summer lectr. Hawaii, 64, 66-67. U.S.N.R. 44-46. Statist. Asn; Psychomet. Soc; Asn. Computing Mach; Asn. Ed. Data Sys; Ed. Res. Asn. Statistics; high speed computer programming; information systems applications in education. Publ: An iterative method for solution of regression weights and similar problems, IBM Tech. Newsletter; Use of electronic computers in psychological research, Am. Psychologist; co-auth. Applied multiple linear regression, Air Force Personnel Res. Lab, Lackland Air Force Base, 63. Address: 167 E. Arrowhead Dr, San Antonio, Tex. 78228.
- WARD, DR. JOHN N (OAH), Ed. Psychol, see 10th ed, Soc. & Behav. Vols.
- WARD, PROF. LEWIS B (OOKWALTER), b. Bangalore, India, Jan. 5, 09; U.S. citizen; m. 35; c. 2. APPLIED PSYCHOLOGY. A.B. Yale, 30, Ph.D. 34. Asst. Yale, 34-35; res. assoc. Wayne County Training Sch, 35-36; instr. Wis. State Teachers Col, Milwaukee, 36-38, staff coordinator, 38-42; dir. admissions, Harvard, 46-55; exec. study, Ed. Testing Serv. 55-59; PROF. BUS. RES. SCH. BUS. HARVARD, 59-, res. fel. grad. sch. 46-47. U.S.A.A.F. 42-46. Psychol. Asn. Personnel selection; learning; aptitude tests. Publ: Reminiscence and rote learning, Psychol. Monogr; Personnel testing, Harvard Bus. Rev; co-auth. A critical evaluation of the Institute Personnel Selection and Testing Program, J. Acct. Address: Morgan Hall, Soldiers Field, Boston, Mass. 02163.
- WARD, PROF. NORMAN, b. Hamilton, Ont, May 10, 18; m. 43; c. 6. POLITICAL SCIENCE. B.A. McMaster, 41; M.A. Toronto, 43, Cody res. fel. 47-48, Ph.D. 49. Asst. prof. POLIT. SCI. SASKATCHEWAN, 48-51, assoc. prof. 51-55, prof. 55-67, BRITNELL PROF. 67-. Clark fel. Queen's (Ont), 58-59. Mem. Cmt. Election Expenses, 64-66; Sask. Electoral Boundaries Cmn, 65-66. Fel. Royal Soc. Can; Can. Econ. Asn. Canadian politics. Publ: The public purse: a study in Canadian democracy; ed, The government of Canada, 4th ed; A party politician: the memoirs of Chubby Power. Address: Dept. of Political Science, University of Saskatchewan, Saskatoon, Sask, Can.

WARD, DR. PAUL L(ANGDON), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WARD, DR. RICHARD HIRAM, Mod. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WARD, DR. RICHARD J(OSEPH), b. Beverly, Mass, Nov. 7, 21; m. 51; c. 4. ECONOMICS. B.S., Harvard, 46, Ford Found. grant, 57; M.A. Michigan, 48, Found. Econ. Ed. fel, 55, Nat. Biscuit Co. & United Shoe Corp. fcls, 56, Ph.D., 58. Instr. econ. Bates Col, 48-50; res. analyst spec. proje, Michigan, 51-52; asst. prof., Fordham, 53-58; sr. economist, Calif-Tex. Oil Corp., N.Y., 58-61; assoc. prof. econ. & chmn. dept., Post Col, Long Island, 60-61 & 63-65; economist, Int. Coop. Admin, Jordan, 61-63; CHIEF PLANNING & ECON. DEVELOP. BUR. NEAR EAST SOUTH ASIA. AGENCY INT. DEVELOP. U.S.N.R., 43-46, Lt. Econ. Asn; Soc. Int. Develop. Economic theory and international trade. Publ: Economics: principles and means, Sadlier, 65; The challenge of development, Aldine, 67; Self help criteria in development, Indian J. Econ, 65. Address: 10309 Garden Way, Potomac, Md. 20854.

WARD, PROF. ROBERT E(DWARD), b. San Francisco, Calif, Jan. 29, 16; m. 42; c. 2. POLITICAL SCIENCE. A.B., Stanford, 36; M.A. California, 38, Ph.D.(polit. sci), 48. Asst. pub. admin, California, 41-42; instr. POLIT. SCI, MICHIGAN, 48-50, asst. prof., 50-54, assoc. prof., 54-58, PROF., 58-, dir. Center Japanese Studies, 65-68. Soc. Sci. Res. Coun. fel, Japan, 50; Fulbright res. award, Japan, 56-57. Trustee, Inst. Pac. Rels, 54-55. Mem. cmt. comp. polit, Soc. Sci. Res. Coun, 58-, bd. dir., 64-; mem. Am. Cmt. on U.S.-Japan Ed. & Cultural Rels, 66- U.S.N.R., 42-46, Lt. Polit. Sci. Asn; Asn. Asian Studies (secy, 52); Asiatic Soc. Japan. Comparative politics; international relations. Publ: Village Japan; co-auth, Political modernization in Japan and Turkey, Princeton, 64; auth, Japan's political system, Prentice-Hall, 67. Address: 1921 Norway Rd, Ann Arbor, Mich. 48104.

WARD, PROF. VIRGIL S(COTT), b. Union, S.C., Mar. 19, 16; m. 42; c. 3. EDUCATIONAL PSYCHOLOGY. A.B., Wofford Col, 39; M.Ed., Duke, 47; fel., North Carolina, 49-51, Ph.D.(ed. psychol), 52. Assoc. prof. ed. & psychol., Wofford Col, 47-49, prof., 51-53, chmn. dept., 54-56; asst. prof. ed., Virginia, 56-58, assoc. prof., 58-62, PROF. ED. PSYCHOL., VIRGINIA, 62-, chmn. dept. ed. found., 64-68. Summer vis. lectr., Hopkins, 62, Tulane, 64, California, Los Angeles, 67. Dir. South. Regional Proj. Ed. for gifted, 60-61; Va. mem. bd. gov. Coun. Except. Children, 61-64, pres. Asn. for Gifted, 65-; proj. dir., Gov. Sch. N.C., 63-65. U.S.A.A.F., 42-45, Sgt. Psychol. Asn; Ed. Res. Asn; Philos. Ed. Soc; Nat. Ed. Asn. Education of the gifted; psychological measurement; school curriculum. Publ: Educating the gifted: an axiomatic approach, C.E. Merrill, 61; The gifted student: a manual for program improvement, South. Regional Ed. Bd, 62; Lifetime education: propositions toward a general theory of education for these times, Int. J. Ed. Sci., 10/67. Address: School of Education, University of Virginia, Charlottesville, Va. 22903.

WARD, PROF. W(ALLACE) DIXON, Acoustics, see 11th ed, Phys. & Biol. Vols.

WARD, PROF. WILLIAM, b. Philadelphia, Pa, May 25, 17; m. 42; c. 3. SOCIOLOGY, ANTHROPOLOGY. A.B., Muhlenberg Col, 41; A.M., Syracuse, 43; B.D., Lutheran Theol. Sem.(Phila), 45; Ph.D.(sociol), Pennsylvania, 61. Chaplain, Phila. Gen. Hosp. & Phila. County Prison, 45-47; instr. sociol., Muhlenberg Col, 47-52; pastor, Rosemont Lutheran Church, Bethlehem, Pa, 52-57; St. Peter's Lutheran Church, North Wales, 57-58; PROF. SOCIOL., AUGUSTANA COL.(ILL), 58- Nat. Sci. Found. res. grant anthrop, Colorado, 65-66, summer, 61. Fel. Sociol. Asn; Pop. Asn. Urban sociology; sociology of religion; cultural anthropology. Publ: Changing world, changing family, Lutheran Church Press, 68; Determinants of natural areas for social service exchange administration, Pa. Soc. Serv. Exchange Asn. Bull; Cigarette smoking in Rock Island Country schools, Grades 7-12, Rock Island County Unit, Am. Cancer Soc, 64. Address: Dept. of Sociology, Augustana College, Rock Island, Ill. 61201.

WARD, DR. WILLIAM C, b. Baltimore, Md, Nov. 21, 39; m. 64; c. 2. PSYCHOLOGY. A.B., Hopkins, 61; Ph.D.(psychol), Duke, 66. Asst. prof. psychol., Stanford, 65-68; RES. PSYCHOLOGIST, ED. TESTING SERV., 68- Soc. Res. Child Develop; Soc. Gen. Sys. Res. Cognitive processes, particularly development and relations of language and thinking; creativity; cognitive styles. Publ: Co-auth, The judgment of contingency between responses and outcomes, Can. J. Psychol, 65; auth, Reflection-impulsivity in kindergarten children, 68 & Creativity in young children, 68, Child Develop. Address: Division of Psychological Studies, Educational Testing Service, Princeton, N.J. 08540.

WARD, DR. WILLIAM H(AMLIN), b. Grand Rapids, Mich, Mar. 20, 28; m. 50; c. 3. PSYCHOLOGY. B.A., Williams Col, 50; M.S., Purdue, 54, Ph.D., 56. Supvr. indust. rels, Westinghouse Elec. Corp, 56-58; PSYCHOLOGIST, NAT. SECURITY AGENCY, 58- Pres, Personnel Anal. Corp, 60- Psychol. Asn. Personnel and operations research; manpower planning. Address: Rt. 7, Box 181-A, Pasadena, Md. 21122.

WARDE, DR. JOHN M(AXWELL), b. Baltimore, Md, Dec. 15, 14; m. 47; c. 3. ECONOMICS. B.S., Alabama, 35; M.S., Mont. Sch. Mines, 37; Ph.D., Cape Town, 49. Ceramic engr, A.P. Green Firebrick Co, 37-39; Vereeniging Brick & Tile Co, 39-43, 47-50; ceramic specialist, U.S. zone, Mil. Govt. Germany, 45-47; mineral economist, U.S. Bur. Mines, 50-52; head ceramics lab, Oak Ridge Nat. Lab, 52-56; MINERAL ECONOMIST & MGR. DEVELOP. UNION CARBIDE ORE CO, UNION CARBIDE CORP, 56- Panel mem. mat. adv. bd, Nat. Acad. Sci, 59- U.S.A., 43-45, Capt. Ceramic Soc; Inst. Min. Metall. & Petrol. Eng; Geol. Soc. South Africa. Ceramics; mineral economics; development of ceramic materials for nuclear energy applications and on raw materials for refractory use; mineral economic studies on world trade in mineral commodities. Address: Union Carbide Corp, 270 Park Ave, 38th Floor, New York, N.Y. 10017.

WARDLE, H(ARRIET) NEWELL, Anthropol, see 9th ed, Soc. & Behav. Vols, deceased 64.

WARDWELL, PROF. W(ALTER) I(RVING), b. Boston, Mass, Aug. 23, 18; m. 45; c. 4. SOCIOLOGY. A.B., Harvard, 40, M.A., 47, fel., 47-49, Ph.D. (sociol), 51. Asst. prof. mil. sci. & tactics, Mass. Inst. Tech, 44; Tufts Med. Sch, 44-45; instr. SOCIOL, CONNECTICUT, 49-52, asst. prof., 52-59, assoc. prof., 59-66, PROF., 66- Consult, U.S. Pub. Health Serv, 58. U.S.A., 40-46, Res, 46-, Col. Fel. Sociol. Asn. Sociology of the professions; medical sociology; epidemiology of coronary heart disease. Publ: A marginal professional role: the chiropractor; Social organization, bureaucratization, and the professions; Stress and coronary heart disease in three field studies. Address: Dept. of Sociology, University of Connecticut, Storrs, Conn. 06268.

WARE, DR. EDWARD E(RNEST), b. Richmond, Va, Feb. 20, 31; m. 56; c. 2. PSYCHOLOGY. B.A., Richmond, 52, M.A., 54; Ph.D.(psychomet. & statist), Illinois, 58. Asst. psychol., Richmond, 52-53, psychometrician, Vet. Admin. Guid. Center, 53, counsr. & asst. to dean students, 54; asst. PSYCHOL., Illinois, Urbana, 54-57, inst. commun. res, 57-58, res. assoc, 58-59, res. asst. prof., 60-63; ASST. PROF., ROCHESTER, 63- Psychol. Asn; Psychomet. Soc; Statist. Asn. Individual differences; multivariate procedures; personality; measurement of meaning and attitudes. Publ: Co-auth, Analysis of the connotative meanings of a variety of human values as expressed by American college students, J. Abnorm. & Soc. Psychol, Cross-cultural use of the semantic differential, Behav. Sci. & The reliability and consistency of complex personality judgements, Multivariate Behav. Res, 2: 537-541. Address: Dept. of Psychology, University of Rochester, Rochester, N.Y. 14627.

WARE, DR. KENNETH E(VANS), b. Franklin, Tex, Jan. 28, 19; m. 52; c. 2. PSYCHOLOGY. B.A., Southern Methodist, 48, M.A., 50; Ph.D.(psychol), Houston, 55. Instr. PSYCHOL., COL. MED., BAYLOR, 55-64, ASST. PROF., 64-; CLIN. PSYCHOLOGIST, TEX. INST. REHAB. & RES, 55- U.S.A.A.F., 42-45, S/Sgt. Psychol. Asn. Behavior therapy; psychotherapy; psychological aspects of disability. Publ: Co-auth, Body image boundaries and adjustment to poliomyelitis, J. Abnorm. & Soc. Psychol, 57, Comparative outcomes of respiratory poliomyelitis patients, Arch. Phys. Med. Rehab, 61 & The nursing attendant's role in a rehabilitation setting: concepts and attitudinal correlates, Nursing Res, 68. Address: 53 Caroline Trail, Houston, Tex. 77024.

WARE, DR. LEONARD M(ANNING), b. Chicago, Ill, Nov. 13, 03; m. 29; c. 1. PSYCHOLOGY. LL.B., De Paul, 27; A.B., Roosevelt, 46, A.M., Loyola, 48; Ph.D.(psychol), Ill. Inst. Tech, 55. DIR. AM. PSYCHOL. LABS, 46- Private practice, 27- Consult, Nat. Inst. Family Rels. Psychol. Asn. Psychology of marriage; aptitude testing and counseling; family law. Publ: Marriage personality appraisal; Psychological factors in marital sex problems; Motor performance as a function of test-surface angle. Address: 30 W. Washington St, Chicago, Ill. 60602.

WARE, DR. RAY MILLER, b. Nicholasville, Ky, May 11, 29; m. 61; c. 1. ECONOMICS. B.S., Kentucky, 50, M.B.A., 56, Ph.D.(econ), 63. Staff acct, Kelley & Galloway, 56-57; Yeager, Ford & Warren, 57-58; Jere E. Sullivan, 58-60; PROF. ECON, PENNSYLVANIA COL, 61- U.S.A.A.F., 51, S/Sgt. Econ. Asn; Finance Asn. International economics. Publ: Co-auth, The balance of payments: history, methodology, theory, Simmons-Boardman, 65; auth, The international liquidity and investment position of the United States, Nat. Inst. Soc. & Behav. Sci, 12/66. Address: 3521 Greentree Rd, Lexington, Ky. 40502.

WARE, RICHARD A(NDERSON), b. New York, N.Y., Nov. 7, 19; m. 42; c. 4. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A., Lehigh, 41; scholar, Michigan & Syracuse, 41; M.P.A., Wayne State, 43. Asst. bur. govt. res, Detroit, 41-42; asst. personnel officer, Lend Lease Admin, 42-43; res. assoc, Citizens Res. Coun. Mich, 46-48; spec. instr. pub. admin, Wayne State, 48-49; SECY, EARHART & RELM FOUNDS, 51- Asst. dir. Citizens Res. Coun. Mich, 48-56; asst. dir. legis. cmt. reorgn. state govt, 50-52; secy. spec. cmt, State Dept. Corrections, 52-53; polit. analyst, res. div, Republican Nat. Cmt, 64. Consult, City of Detroit, 48; state senate interim cmt. welfare admin, 49-50. U.S.A.A.F., 43-46, Sgt. Polit. Sci. Asn; Soc. Pub. Admin; Govt. Res. Asn.(v.pres, 55-56). State and local government; economics; American political thought; public affairs research. Publ: The case for reorganization; Legislative apportionment in New Hampshire, Nat. Min. Rev; co-auth, Michigan legislature. Address: Relm Foundation, 904 First National Bldg, Ann Arbor, Mich. 48108.

WARE, DR. S(TANTON) J(AMES), b. Ann Arbor, Mich, Aug. 31, 12; m. 40; c. 2. GEOGRAPHY. B.S., Michigan, 34, M.A., 37, Ph.D.(geog), 42; M.S., U.S. Naval Acad, 44. Cartog. analyst, U.S. Army Air Force, 42, photogram. engr, 43; chief munic. & indust. water supply, U.S. Bur. Reclamation, 46-51; water projs. sect, U.S. Pub. Health Serv, 51-54, pub. health engr, water supply & water pollution control prog, Wash. D.C., 54-56; prin. res. scientist, lab. climatol, Drexel Inst, 56-57; private consult, 57-58; adminstr, U.S. DEPT. INTERIOR, 58-66, WATER RES. SCIENTIST, OFF. WATER RESOURCES RES, 66- Prin. assoc, C.W. Thornthwaite Assoc, 56-57. Tech. participant, Int. Joint Boundary Cmn. Can. & U.S., 48-50. U.S.N., 43-46, Res, 49-, Capt. AAAS; Asn. Am. Geog; Am. Geog. Soc; Water Works Asn. Public health engineering; meteorology and climatology; operations research; water resource development. Publ: Missouri Basin program and municipal water supplies, Am. Water Works Asn; Coordinated efforts and conservation, the permanent way; contrib, Municipal and industrial water, Reclamation Manual. Address: 8405 Westmont Terrace, Bethesda, Md. 20034.

WARGA, GERZSON, b. Budapest, Hungary, Nov. 10, 13; U.S. citizen; m. 43; c. 1. STATISTICS, POLITICAL SCIENCE. Dr. Pol.Sci., Pázmány Peter Univ, Budapest, 38; Washington (Seattle), 50-52. For. serv. officer, Hungarian Diplomatic Serv, 38-48; instr. U.S. Army Lang. Sch, 52-57; STATISTICAL demog. immigration, U.S. Immigration & Naturalization Serv, 60-66; PROJECTIONS & FORECASTING, U.S. INTERNAL REVENUE SERV, 66- Statist. Asn; Acad. Polit. & Soc. Sci. Projections and forecasting statistical methods applied to pertinent demographic and economic data to produce national and regional projections. Address: 4206 Leland St, Chevy Chase, Md. 20015.

- WARGO, DR. DONALD GEORGE, b. Dearborn, Mich, Apr. 24, 32; m. 60; c. 1. PSYCHOLOGY. B.S. Western Michigan, 54; M.S. Wisconsin, 60; Ph.D. (psychol.), Alberta, 66. Counsr, Alcoholism Found. Alta, 63; co-dir. & res. assoc. psychother. res. group, Univ. Kentucky, 65; res. assoc. psychother. res. unit, sch. med. Hopkins, 65-66, instr. med. psychol. 66-67, asst. prof. 67; SR. RES. SCIENTIST, ARK. REHAB. RES. & TRAINING CENTER, 67-; ASST. PROF. PSYCHOL. ARKANSAS, 67- U.S.A. 56-58. Psychol. Asn. Psychological and psychiatric treatments, especially design and methodology in psychotherapy and counseling research; concept learning. Publ: Co-auth, Psychotherapeutic encounters that change behavior: for better or for worse, Am. J. Psychother, 66, Therapist empathy, genuineness, and warmth and patient therapeutic outcome, J. Consult. Psychol, 66 & Effects of high accurate empathy and non-possessive warmth during group psychotherapy upon female institutionalized delinquents, J. Abnorm. Psychol, 66. Address: 1326 Eastwood Dr, Fayetteville, Ark. 72701.
- WARKENTIN, PROF. JOHN H(ENRY), b. Lowe Farm, Man, Mar. 3, 28; m. 56; c. 1. GEOGRAPHY. B.Sc. Manitoba, 48; M.A. Toronto, 54, Ph.D. 61. Instr. GEOG. Maryland, 56-57; asst. prof. United Col. Winnipeg, 57-59, Manitoba, 59-62, assoc. prof. 62-63; YORK (ONT), 63-68, PROF. 68. Asn. Am. Geog.; Can. Asn. Geog. Historical and settlement geography: Publ: The Western Interior of Canada: a record of geographical exploration, 1612-1917, McClelland & Stewart, 64; Canada: a geographical interpretation, Methuen, 68; Mennonite agricultural settlements of Southern Manitoba, Geog. Rev. Address: Dept. of Geography, York University, Toronto 12, Ont. Can.
- WARKOV, DR. SEYMOUR, b. Chicago, Ill, Feb. 10, 30; m. 52; c. 1. SOCIOLOGY. B.A. New Sch. Soc. Res, 53; M.A. Columbia, 55; Commonwealth Fund fel, Yale, 57-59, Ph.D. 59. Asst. prof. sociol. & sr. study dir, nat. opinion res. center, Chicago, 61-66; ASSOC. PROF. SOCIOL. & ED, TEACHERS COL. & RES. ASSOC. BUR. APPL. SOC. RES. COLUMBIA, 66-Med. Serv. C. U.S.A. 55-57. Sociol. Asn. Formal organizations; occupations and professions; sociology of education. Publ: Lawyers in the making, Aldine, 65. Address: Box 226, Teachers College, Columbia University, 525 W. 120 St, New York, N.Y. 10027.
- WARMAN, PROF. HENRY JOHN, b. Scranton, Pa, Jan. 27, 07; m. 31; c. 3. GEOGRAPHY. B.S. Pa. State Col, Bloomsburg, 32; M.S. Temple, 38; fel, Clark, 42-43, Ph.D.(geog), 45. Asst. prof. GEOG. CLARK, 43-44, 45-48, assoc. prof. 48-58, PROF. 58- Consult, Lands & Peoples Encyclop, Grolier Inc, 67- Fel. Am. Geog. Soc; Nat. Coun. Geog. Ed.(pres, 54); Meteorol. Soc; Int. Geog. Union. Latin American geography; meteorology; educational television programs. Publ: Geography: backgrounds, techniques and prospects; Alpha map transparency programs—United States, Europe, World, South America, North America, 65, 66, 67, & co-auth, Living in our times, 67, Allyn & Bacon. Address: School of Geography, Clark University, Worcester, Mass. 01610.
- WARMAN, PROF. ROY E(LTON), b. Morgantown, W.Va, May 11, 25; m. 50; c. 3. COUNSELING PSYCHOLOGY. B.A. West Virginia, 49; M.A. Ohio State, 50, Ph.D. 58. Asst. psychol. Ohio State, 50-52, counsr. & asst. instr, 52-53, counseling psychologist, 53-58; Texas, 58-60; asst. prof. PSYCHOL. IOWA STATE, 60-63, assoc. prof. 63-67, PROF. & DIR. STUDENT COUNSELING SERV., 67- Psychologist, Women's Reformatory, Rockwell City, 62-67. Mem. Nat. Reading Conf. U.S.N. 53-56. Psychol. Asn; Personnel & Guid. Asn; Asn. Counsr. Ed. & Supv. Counselor training; differential perceptions of role; adjustment problems of college students; reading and study skills. Publ: Study of applicants for readmission to college, Personnel & Guid. J; Differential perceptions of counseling role & Counseling role of college and university counseling centers, J. Counseling Psychol. Address: Student Counseling Service, Iowa State University, Ames, Iowa 50010.
- WARNATH, DR. CHARLES F(REDERICK), b. Philadelphia, Pa, Apr. 17, 25; m. 52; c. 2. PSYCHOLOGY. A.B. Princeton, 49; M.A. Columbia, 51, Ph.D. (counseling psychol), 54. Asst. guid, teachers col, Columbia, 51-54, res. assoc, Horace-Mann Lincoln Inst, 54-55; asst. prof. marriage & family life & counsr, counseling center, Nebraska, 55-57; asst. prof. psychol. Oregon & counsr. & supvr. practicum training, counseling center, 57-61; ASSOC. PROF. PSYCHOL. & DIR. COUNSELING CENTER, OREGON STATE, 61-Consult, U.S. Vet. Admin, 57-61. U.S.M.C. 43-46. Psychol. Asn; Personnel & Guid. Asn; Asn. Marriage Counsr. Psychology of careers and occupational choice; counseling procedures; marriage interaction; counselor training. Publ: Co-auth, The counselor and society: a cultural approach, Houghton, 65; auth, Inventoried values of entering college freshmen, Personnel & Guid. J; co-auth, Vocational development: a frame-work for research, Bur. Publ. Teachers Col, Columbia, 57. Address: 124 N. 30th St, Corvallis, Ore. 97330.
- WARNE, PROF. CLINTON L(EE), b. Binghamton, N.Y, Sept. 12, 21; m. 53; c. 3. ECONOMICS. A.B. Colorado, 47; A.M. Clark, 48; Ph.D.(econ), Nebraska, 53. Asst. Nebraska, 48-51; instr. econ, Kansas, 51-54, asst. 56-60; assoc. prof. econ. & bus. admin. & head dept, Simpson Col, 54-56; assoc. prof. ECON. Ohio State, 60-67; PROF. CLEVELAND STATE, 67- Harvard summer fel, 65; vis. assoc. prof. Northwestern, 65-66; Colorado, summer, 67. Prog. chmn. annual meeting, Coun. Consumer Info, 68. Sig.C. U.S.A. 42-46. Economic history; transportation consumer economics. Publ: Consumers look at deceptive packaging; co-auth, The development of the American economy, Scott, 63; auth, Economic factors relating to the impact of routes and schedules on subsidy needs of local service airlines, Transportation J, winter, 67. Address: 33 Roth Bldg, Cleveland State University, Cleveland, Ohio 44115.
- WARNE, PROF. COLSTON E(STEY), b. Romulus, N.Y, Aug. 14, 00; m. 40; c. 3. ECONOMICS. A.B. Cornell, 20, A.M. 21; Ph.D. Chicago, 25; hon. M.A. Amherst Col, 42. Instr. ECON, Pittsburgh, 21-22; Chicago, 22-25; assoc. prof. Denver, 25-26; asst. prof. Pittsburgh, 26-30; assoc. prof. AMHERST COL, 30-42, PROF. 42- Vis. lectr, Wesleyan, 38, 46; vis. prof. Smith Col, 39, 49; Conn. Col, 40-42, 45-46, 48. Pres. Consumers Union of U.S. 36-; Int. Off. Consumers Unions, 59- U.S.N.R. 18. Econ. Asn; Arbit. Asn; Indust. Rels. Res. Asn; Mkt. Asn. Industrial relations; consumer economics; comparative economic systems. Publ: Labor in post war America; Industry-wide collective bargaining; Pullman boycott of 1894. Address: 77 Dana St, Amherst, Mass. 01002.
- WARNE, DR. WILLIAM E(LMO), b. Seaford, Ind, Sept. 2, 05; m. 29; c. 3. PUBLIC ADMINISTRATION. B.A. California, 27; LL.D. Seoul, Korea, 59; hon. Dr. Econ, Yonsei, 59. Ed. asst. & info. officer, bur. reclamation, U.S. Dept. Interior, 35-43, asst. comnr, 43-47, asst. secy. conserv. & in charge Alaska develop. prog, 47-49, asst. secy. water & power develop, 49-51; mission dir, Int. Coop. Admin, Iran, 51-55, Brazil, 55-56, econ. coordinator, UN Command, Korea, 56-59; dir, State Dept. Fish & Game, Calif, 59-60, State Dept. Agr, 60-61; adminstr, Resources Agency, Calif, 61-63; dir, State Dept. Water Resources, Calif, 61-67; V.PRES. WATER RESOURCES, DEVELOP. & RESOURCES CORP, 67- Lectr, Oregon, 59; Southern Calif, 60; regents lectr, California, Davis, 67. Consult, World Power Conf, London, 36, U.S. del, 50; reviewing cmt, Nat. Resources Cmt, 36; chief staff, War Prod. Bd, 42; chmn. U.S. del, Inter-Am. Conf. Indian Life, Peru, 49. Mem. U.S. cmt, Int. Cmn. Large Dams; Int. Cmn. Irrigation; State Cmn. Interstate Coop, Calif. 59-67; Federal Water Pollution Control Adv. Bd, Dept. Health Ed. & Welfare, 62-65. U.S. Dept. Interior award, 51; U.S. For. Oper. Admin. award, 55; UN citation, 59. U.S.A.R. 27-37, 2nd Lt. Econ. Asn; Polit. Sci. Asn; Wildlife Soc; Acad. Polit. Sci; Soc. Pub. Admin. Resource development, especially water conservation, use and development. Publ: Mission for peace. Address: 2090 Eighth Ave, Sacramento, Calif. 95818.
- WARNECKE, DR. RICHARD, b. Brooklyn, N.Y, Aug. 23, 37; m. 63. SOCIOLOGY. B.S. Cornell, 59; M.A. Colgate, 63; Ph.D.(sociol), Duke, 66. Nat. Inst. Ment. Health fel, Duke, 66-67; ASST. PROF. SOCIOL. STATE UNIV. N.Y. BUFFALO, 67-, faculty fel, summer 68. U.S.N. 59-61, Lt. Sociol. Asn. Occupations and professions; professionalization of nurses. Address: Dept. of Sociology, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- WARNER, PROF. AARON W, b. Newark, N.J, May 16, 08; m. 33; c. 2. ECONOMICS, LAW. A.B. N.Y. Univ, 29; LL.B. Harvard, 32; Ph.D.(econ), Columbia, 54. Attorney, Boston, Mass, 33-36; Nat. Labor Rels. Bd, 36-37, regional dir, Denver, 37-41; attorney, R.R. Retirement Bd, Wash, 41-42; br. chief enforcement div, Off. Price Admin, 42-43; assoc. prof. econ, COLUMBIA, 54-61, prof. 61-67, JOSEPH L. BUTTENWIESER PROF. HUMAN RELS, 67-, chmn. univ. seminar on labor, 58-60 & seminar on tech. & soc. change, 63- Proj. dir, U.S. Dept. Labor study grant, 65-66; res. economist. Int. Labor Orgn, Geneva, 67-68. Summer vis. prof, Wisconsin, 65. Res. consult, U.S. Maritime Admin, 64-66. Mem. maritime transportation res. bd, Nat. Acad. Sci-Nat. Res. Coun, 64-; bd. gov. Center Res. & Ed. in Am. Liberties, 66- U.S.N. 43-45. Acad. Polit. Sci; Econ. Asn; Indust. Rels. Res. Asn; Int. Soc. Labor Law & Soc. Legis; Int. Indust. Rels. Asn. Labor economics and law; comparative labor movements; industrial organization; public regulation of industry. Publ: Co-auth, The impact of science on technology, 65 & Technological innovation and society, 66, Columbia; auth, Technology and the labor force in the offshore maritime industry, Indust. Rels. Res. Asn. Proc, 65. Address: 498 Engle St, Englewood, N.J. 07631.
- WARNER, DEAN A(THUR) E, b. Garrett, Ind, May 30, 22; m. 41; c. 4. BUSINESS ECONOMICS. B.S. Indiana, 49, M.B.A. 50, D.B.A. 53. Instr. & asst. bus. res, Indiana, 49-53, acting dir, bur. bus. res, 50, asst. dir, 52, asst. prof. bus. admin, 53; gen. bus. & real estate, Mich. State, 53-56, assoc. prof. & dir. progs. doctoral degree, 56-64; DEAN, COL. BUS. ADMIN, TENNESSEE, 64- Pres. Coun. Prfnl. Ed. Bus, 63-64. U.S.A. 42-45. Real Estate & Urban Econ. Asn. Real estate finance and administration; urban utilization and land use planning. Publ: Ed, Research needs in business during the Fifties', Indust. Bus. Report; Financing construction of prefabricated houses, Housing & Home Finance Agency; Impact of highways on property values and land uses, Bur. Pub. Rd. Address: College of Business Administration, University of Tennessee, Knoxville, Tenn. 37916.
- WARNER, PROF. EARL, b. Pendleton Co, W.Va, Aug. 8, 04; m. 32; c. 1. POLITICAL SCIENCE. B.A. Ohio Wesleyan, 26; M.A. Ohio State, 29, Ph.D. (polit. sci), 39. Instr. polit. sci, Michigan, 30-31; polit. sci. & hist, Millikin, 31-32; assoc. agr. economist, U.S. Dept. Agr, 33-37; instr. polit. sci, Ohio State, 37-40; asst. prof, Mississippi, 40-42; economist, Inter-State Milk Producers Coop, Pa, 42-46; assoc. prof. polit. sci, OHIO WESLEYAN, 46-55, PROF. POLIT. SCI, 55-, chmn. dept, 54-60, dir. Arneson Inst. Practical Politics, 55-58. Consult. economist, Miami Valley Milk Producers Asn, 53- Polit. Sci. Asn. Government regulation of the dairy industry. Publ: State milk control agencies in New England, Vt. Agr. Exp. Sta. Bull; Court decisions relating to Pennsylvania milk control, Pa. Agr. Exp. Sta. Progress Report; Some organizational and administrative aspects of the California milk price stabilization program, Giannini Found, Univ. California, 65. Address: 11 Westgate Dr, Delaware, Ohio 43015.
- WARNER, DR. G(EORGE) DOUGLAS, b. Washington, D.C, Feb. 8, 27; m. 55; c. 1. PSYCHOLOGY. B.A. Dickinson Col, 50; Ph.D. Temple, 57. Asst. psychol, Temple, 51-56; asst. prof, Washington & Jefferson Col, 56-59; dir. psychol. serv, Mayview State Hosp, 59-63, sr. clin. psychologist, 57-59; CHIEF PSYCHOLOGIST, BROOK LANE PSYCHIAT. CENTER, 63- Private practice, 59- Consult, disturbed adolescent prog, Md. State Dept. Ed, 67-Dir, Md. Psychodrama Workshops, 67- U.S.M.C.R. 45-46. Soc. Clin. Hypnosis; Soc. Group Psychother. & Psychodrama. Effect of personality variables on perception; psychodrama. Address: 1010 Woodland Way, Hagerstown, Md. 21740.
- WARNER, DR. JOSEPH D(AVID), b. Boston, Mass, May 11, 28; m. 51; c. 2. PSYCHOLOGY. A.B. Northeastern, 49; M.A. California, Los Angeles, 55, Ph.D.(psychol), 56. Staff psychologist, State Hosp, Fulton, Mo, 56-59; staff psychologist & acting dir, Wilson County Ment. Health Clin, N.C. 59; admin. dir. ment. health center, Guilford County Health Dept, 60-64; ASSOC. PROF. PSYCHOL. VA. COMMONWEALTH UNIV, 64- Asst. prof, Missouri, 58-59; vis. assoc. prof, Guilford Col, 60-61; lectr, Woman's Col, North Carolina, 60-Private practice, 59- Psychol. consult, Mobile Psychiat Clin, Richmond, 64-; Chesterfield County Sch. Bd, 64- Med.C. U.S.A. 46. Psychol. Asn; Inter-Am. Soc. Psychol. Personality evaluation and diagnosis; preventive mental health; mental health consultation; psychotherapy; parent-child re-

lationships. Address: Dept. of Psychology, Virginia Commonwealth University, Richmond, Va. 23220.

WARNER, DR. KENNETH O(REN), b. Stewardson, Ill., Jan. 23, 04; m; c. 3. PERSONNEL ADMINISTRATION. A.B. Washington (Seattle), 26, A.M. 27, Ph.D. 31; fel. Brookings Inst., 29-31; summer fel. Carnegie Endow. for Int. Peace, Michigan, 34. From asst. prof. to assoc. prof., Arkansas, 31-35; consult, Am. Munic. Assn., 35-37; state personnel dir., Ark., 37-39; dir. N.W. Regional Coun., Ore., 38-41; prof. polit. sci. & head dept., Tennessee, 41-42; dir. personnel, Off. Price Admin., 42-43; asst. adminstr., For. Econ. Admin., 43-45; exec. asst. to U.S. Cmnr. Ed., 45-48; dir. institutional resources surv. div., Nat. Security Resources Bd., 48-49; EXEC. DIR. PUB. PERSONNEL ASN. 49- Lectr., Catholic Univ., 44-49; grad. sch., American Univ., 47-49; Northwestern, 52-57; Fla. State, 53-57; Chicago, 57- Consult, Tenn. Valley Authority, 41-42. Mem., Governor's Cmn. on State Reorgn., Ark., 32; v.chmn., pub. serv. cmn., President's Cmn. Employ. Physically Handicapped. Polit. Sci. Assn; Soc. Pub. Admin; Soc. Personnel Admin; Pub. Personnel Assn.(ed, Pub. Personnel Rev., 49-); Int. City Mgr. Assn. Public administration. Publ: Co-auth, Toward competent government; Practical guidelines to public pay administration, Vols. I & II; Public management at the bargaining table. Address: Public Personnel Association, 1313 E. 60th St, Chicago, Ill. 60637.

WARNER, DR. LARKIN BRUCE, b. Washington, D.C., Dec. 9, 34; m. 56; c. 2. ECONOMICS. A.B. Ohio Wesleyan, 56; A.M. Indiana, 58, Ford Found. fel. & Ph.D. 61. Asst. prof. ECON, OKLA. STATE, 60-63, ASSOC. PROF., 63- Econ. Assn. Industrial organization; regional economics; manpower utilization. Publ: Railroad rates and the growth of coal trucking in Ohio, Land Econ, 8/62; Locational developments in the electric utility industry, Quart. Rev. Econ. & Bus., spring 64; co-auth, Methodological issues in the study of labor force participation rates, Rocky Mt. Soc. Sci. J., 10/67. Address: Dept. of Economics, Oklahoma State University, Stillwater, Okla. 74074.

WARNER, DR. LUCIEN, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 63.

WARNER, DR. LYLE GORDON, b. New Philadelphia, Ohio, Nov. 13, 36; m. 62; c. 3. SOCIOLOGY. B.A. Arizona, 63, M.A. 64; Nat. Defense Ed. Act fel., Kentucky, 65-67, Ph.D.(attitudes, behav), 67. ASST. PROF. SOCIOL., WASHINGTON STATE, 67- Nat. Sci. Found. study grant, 68-69. U.S.N.R., 55-57, Res., 53-55 & 57-61. Sociol. Assn. The relationship between attitudes and behavior. Address: Dept. of Sociology, Washington State University, Pullman, Wash. 99163.

WARNER, DR. M(ARY) LA VINIA, Psychol, see 10th ed, Soc. & Behav. Vols.

WARNER, DR. SAM BASS, JR., Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WARNER, PROF. WELLMAN J(OEL), b. Lyndonville, Vt., Jan. 13, 97; m. 30; c. 2. SOCIOLOGY. B.A. George Washington, 21; B.D. Yale, 24. Hooker-Dwight fel., 24-25; cert. Univ. Grenoble, 19; Ph.D.(sociol.), London, 29. Mem. staff, U.S. Civil Serv. Cmn, Wash, D.C. 16-17; div. loans & currency, U.S. Treas. Dept., 19-21; prof. sociol., Ohio Wesleyan, 30-38; prof. soc. sci. & chmn. dept., Dickinson Col., 38-46; PROF. SOCIOL. & ANTHROP., GRAD. SCH. ARTS & SCI., N.Y. UNIV., 46-, head dept., 46-59. Summer vis. prof., Southern California, 55. Consult, Dept. Inst. State Vt., 66-67. Pres. bd. trustees, Moreno Inst. New York, 49- Mem. sci. adm. cmt., Astor Found., 49-58; chmn., Int. Coun. Group Psychother., 54-61, Co-pres., Int. Cong. Group Psychother., 54 & 57; chmn. bd. dirs., Pub. Affairs Cmt., Inc., N.Y., 60- U.S.A., 17-18. Fel. AAAS; fel. Sociol. Assn.(secy., 54-58); fel. Anthropol. Assn; fel. Group Psychother. Assn; Soc. Study Social Probs; Soc. Sci. Study Relig. Social psychology; sociology of religion; group psychotherapy. Publ: Wesleyan movement in the industrial revolution; co-auth, Youthful offenders at Highfields; Sociology and psychiatry, Brit. J. Sociol. Address: 10 Linden Hill, Woodstock, Vt. 05091.

WARNER, PROF. W(ILLIAM) LLOYD, b. Redlands, Calif., Oct. 26, 98; m. 32; c. 3. SOCIAL SCIENCE. A.B. California, 25; Rockefeller Found. fel., 26-27; fel. Australian Nat. Res. Coun., 27-29. Instr. anthrop. & asst. prof. soc. anthrop., Harvard, 29-35, researcher, bus. sch., 30-35; assoc. prof. anthrop. & sociol., Chicago, 35-41, prof., 41-59; UNIV. PROF. SOC. RES, MICH. STATE, 59- Mem. Sci. Exped. Australia, 26-29. U.S.A., 17-19. Anthropol. Assn; Soc. Appl. Anthropol; Soc. Res. Child Develop. American communities status structure and symbolic behavior; industrial relations. Publ: Black civilization; Yankee city series; Social class in America. Address: Eppley Center, Michigan State University, East Lansing, Mich. 48823.

WARNER, DR. W(ILLIAM) S(COTT), b. Casper, Wyo., Feb. 2, 28; m. 50; c. 3. CLINICAL PSYCHOLOGY. B.A. Union Col., 49; exchange scholar, St. Andrews, 47-48; Ph.D.(psychol.), Western Reserve, 61. Asst. psychol., Western Reserve, 50-51, supvr. clin. psychol., 55-56; trainee clin. psychol., Vet. Admin., 51-54; staff psychologist, Cleveland Guid. Center, Inc., 56-60; supvr. psychother., BEECH BROOK CHILDREN'S HOME, 61-66, EXEC. DIR., 66- Consult, community ment. health training proj., Case Western Reserve, 67- U.S.N.R., 45-46. Psychol. Assn. Social and psychological dynamics of group influence phenomena: dynamics of the breakdown of family and individual emotional integrity; evaluation of the effectiveness of psychotherapeutic programs in relation to individual psychodynamics. Publ: Behavioral contagion and social power: an experimental study. Address: 2281 Delaware Dr., Cleveland, Ohio 44106.

WARNKEN, DR. PHILIP FREDRICK, b. Hutchinson, Kans., Jan. 22, 37; m. 59; c. 2. AGRICULTURAL ECONOMICS. B.S. Kansas State, 60, M.S. 62; Ph.D. (agr. econ), Mich. State, 66. Instr. econ., Kansas State, 61; res. assoc. AGR. ECON, Mich. State, 62-64; ASSOC. PROF. MISSOURI, COLUMBIA, 65- Econ. Assn; Agr. Econ. Assn; Soc. Int. Develop. International agricultural development; United States foreign aid, especially P.L. 480 programs in Colombia and Agency for International Development-university technical assistance efforts in Latin America. Address: Dept. of Agricultural Economics, University of Missouri, Columbia, Mo. 65201.

WARNTZ, PROF. WILLIAM, b. Berwick, Pa., Oct. 10, 22; m. 47; c. 2. GEOGRAPHY. B.S. Pennsylvania, 49, Carnegie Peace Found. grant, 50, A.M. 51, Behav. Res. Coun. grant, 54-55, Ph.D.(econ), 55. Instr. econ. & econ. geog., Pennsylvania, 49-55, asst. prof., 56; res. assoc. econ. geog., Am. Geog. Soc., N.Y., 56-65; PROF. THEORET. GEOG., HARVARD, 65-, DIR. LAB. COMPUT. GRAPHICS & SPATIAL ANAL., 68- Res. assoc., Princeton, 57-65; lectr., Pennsylvania & Hunter Col., 57-65. Consult, Nat. Sci. Found.; adv. coun., U.S. Bur. Census. U.S.A.A.F., 43-48, 1st Lt. Regional Sci. Assn. Development of macrogeography; dimensional analysis of economic and social phenomena; social physics. Publ: Toward a geography of price; Macrogeography and income fronts, Regional Sci. Res. Inst., 65; Transatlantic flights and pressure patterns. Address: 116 Memorial Hall, Harvard University, Cambridge, Mass. 02138.

WARP, PROF. GEORGE A(LBRO), b. Sagamore Hills, Ohio, June 12, 13; m. 40; c. 3. POLITICAL SCIENCE. A.B. Western Reserve, 35, A.M. 41, LL.B. 39; A.M. Columbia, 48. Instr. POLIT. SCI., MINNESOTA, MINNEAPOLIS, 39-40, asst. prof., 48-51, assoc. prof., 51-60, PROF., 60-, DIR. PUB. ADMIN. CENTER, 61-, assoc. dir., 52-61, dir. Korean prog. pub. admin., 57-62. Lectr. & mem. staff, bur. pub. admin., Virginia, 40-43; mem. staff, Fed. Govt., 46-48; UN prof., Brazilian Sch. Pub. Admin., 55-56. Consult, Pub. Admin. Clearing House, 51-52; NASA Manned Spacecraft Center, 65- Mem. exec. cmt., Coun. Grad. Ed. Pub. Admin., 66- Meritorious Civilian Serv. Award, 48. U.S.N., 43-46. Polit. Sci. Assn; Soc. Pub. Admin; Bar Assn. Public administration and law; local government; government and economic order. Publ: Religions in Japan; Municipal tort liability in Virginia; Police administration in Virginia. Address: Public Administration Center, University of Minnesota, Minneapolis, Minn. 55455.

WARRACK, DR. ALLAN A., b. Calgary, Alta., May 24, 37; m. 62; c. 2. AGRICULTURAL & GENERAL ECONOMICS. B.Sc. Alberta, 61; M.S. Iowa State, 63, Ph.D.(econ), 67. Field secy. pub. rels., Delta Upsilon Fraternity, N.Y., 61-62; sales rep., Upjohn Co., Mich., 63-64; res. assoc. econ., Iowa State, 65-67; ASST. PROF. AGR. ECON., ALBERTA, 67- Am. Econ. Assn; Can. Agr. Econ. Soc. Spatial equilibrium analysis in agricultural marketing; farmer goal analysis; meat industry market structure analysis. Address: Dept. of Agricultural Economics, University of Alberta, Edmonton, Alta., Can.

WARREN, DR. ANNE B(ONNER), b. Buffalo, N.Y., May 3, 30; m. 51; c. 2. CLINICAL PSYCHOLOGY. B.A. Vassar Col., 50; U.S. Pub. Health Serv. fel., Wisconsin, 51-54, M.A. 52, Ph.D. 55. Psychologist, Dodge County Child Guid. Center, 54-55; child growth study, Children's Hosp., Buffalo, N.Y., 55-57; CLIN. PSYCHOLOGIST, 58- Instr., exten. div., New Mexico, 61. Consult, Los Alamos Family Coun., 63- Chmn., N.Mex. State Bd. Psychologist Exam, 67- Psychol. Assn. Diagnosis and therapy with children and their parents. Publ: Co-auth, Personality and political participation, Human Rel.; Relation of conditioned discrimination to the MMPI Pd personality variable, J. Exp. Psychol; auth, Views on values in clinical practice, Rocky Mt. Psychologist, Vol. 2, 1. Address: Los Alamos Medical Center, Los Alamos, N.Mex. 87544.

WARREN, PROF. A(RTHUR) BERTRAND, b. Worcester, Mass., Apr. 13, 15; m; c. 2. PSYCHOLOGY. B.A. Clark, 37, M.A. 38, Ph.D.(psychol), 41. Asst. off. sci. res. & develop., Harvard, 41-45; asst. prof. psychol., Kentucky, 45-46; from asst. prof. to PROF. PSYCHOL. & CHMN. DEPT., NORTHEASTERN, 46- AAAS; Psychol. Assn. Learning theory; space perception; vision. Publ: Conditioned operant phenomena in children; Effect of acrophobia on the reading habit; co-auth, Human variables in motor vehicle accidents. Address: Dept. of Psychology, Northeastern University, Boston, Mass. 02115.

WARREN, PROF. CHARLES P., b. Chicago, Ill., Apr. 7, 21; m. 45; c. 2. ANTHROPOLOGY. B.S. Northwestern, 47; M.A. Indiana, 50; Fulbright scholar, Philippines, 50-51; U.S. Pub. Health Serv. grant, Chicago, 58-60, M.A. 61. Phys. anthropologist, Am. graves registr., serv. group, U.S. Dept. Army, Philippines & Japan, 51-55; asst. ANTHROP., Philippines Study Prog., Chicago, 56-57; from instr. to ASST. PROF. ILLINOIS, CHICAGO, 57- U.S.A.A.F., 43-46, Sgt. Anthropol. Assn; Ethnol. Soc; Far-East. Prehist. Assn; Soc. Appl. Anthropol. Philippine and Southeast Asian ethnology and linguistics, especially the Tagbanwa and the Batak of Palawan; physical anthropological identification of human remains. Publ: Vocabulary of the Batak of Palawan; Negrito groups in the Philippines: preliminary bibliography; The Batak of Palawan: a culture in transition. Address: Dept. of Anthropology, University of Illinois at Chicago Circle, Chicago, Ill. 60680.

WARREN, DR. CLAUDE NELSON, b. Goldendale, Wash., Mar. 18, 32; m. 55; c. 4. ANTHROPOLOGY. B.A. Washington (Seattle), 54, M.A. 59; Carnegie fel., Northwestern, 54-55; Ph.D.(anthrop), California, Los Angeles, 64. Res. archaeologist, Univ. California, Los Angeles, 58-61, lectr. anthrop., 60-61; instr. anthrop. & hwy. archaeologist, Idaho State, 62-64, ASST. PROF. ANTHROP., 64-67; CALIFORNIA, SANTA BARBARA, 67- Nat. Sci. Found. res. grants, 65-68. Soc. Am. Archaeol. Prehistory of western North America, especially early man; ecology and processes of culture change. Publ: Co-auth, Dating Lake Mohave beaches and artifacts, 64, Paleolimnology and prehistory, 67 & auth, The San Dieguito complex: a review and hypothesis, 67, Am. Antiq. Address: Dept. of Anthropology, University of California, Santa Barbara, Calif. 93106.

WARREN, PROF. DAVID DANIEL, b. Providence, R.I., May 19, 23; m. 51; c. 3. INTERNATIONAL RELATIONS, POLITICAL SCIENCE. A.B. Brown, 48; M.A., Fletcher Sch. Law, 49, Ph.D. 59. Instr. int. rels., Mass. Inst. Tech., 50-51; econ. officer, U.S. Dept. State, D.C., 52-53; asst. prof. POLIT. SCI., RHODE ISLAND, 53-67, PROF., 67- TV moderator, pub. affairs prog., WJAR-TV, Providence, 59- Consult, Naval War Col., 62- U.S.A., 43-46. Polit. Sci. Assn. American politics and foreign policy. Address: Dept. of Political Science, University of Rhode Island, Kingston, R.I. 02881.

WARREN, DR. DONALD IRWIN, b. Detroit, Mich., May 24, 35; m. 60; c. 2. SOCIOLOGY, POLITICAL SCIENCE. B.A. Wayne State, 57, M.A. 59; fel., Michigan, 60, M.A. 61, Ph.D.(sociol), 64. Res. assoc. SOCIOL., Michigan, 64-65; ASST. PROF., WAYNE STATE, 65-, summer faculty res. fel., 66.

- Consult, House Ed. Cmt, Mich, 65-67; behav. sci. prog, NASA, 66-67; res. consult, Urban League, 68- U.S.A.F.R, 59-65. Sociol. Assn. Structure of complex organizations; political sociology; urban social structure; social stratification and ethnic group patterns. Publ: Co-auth, Profile of a metropolis, 61 & auth, Neighborhood structure and discontent, 68, Wayne State; auth, Peer relations in a formal organization setting, Admin. Sci. Quart, 66. Address: 1611 Hatcher Crescent, Ann Arbor, Mich. 48103.
- WARREN, PROF. ELIZABETH, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WARREN, DR. FOREST G(LEN), b. Kouts, Ind, Dec. 15, 13; m. 42; c. 2. ECONOMICS. B.S. Purdue, 37; M.S. Illinois, 39, Ph.D.(agr. econ), 45. Agr. economist, U.S. Dept. Agr, 41-42; economist & statistician, Lend Lease Admin, 42-43; For. Econ. Admin, 43-46; chief Mid. East sect, U.S. Dept. Commerce, 48-48, staff economist, Bur. For. Commerce, 48-60; economist, Export-Import Bank of Wash, 60-66; AGR. ECONOMIST, ECON. RES. SERV, U.S. DEPT. AGR, 66- Econ. Assn; Soc. Int. Develop; Agr. Econ. Assn. Agricultural finance and economics; banking; foreign development; international economics. Publ: Economic significance of the future market for soybeans; co-auth. & contrib. Management looks at Africa, Am. Mgt. Assn, 66; co-auth, Farm credit and tight money in 1966-67, Agr. Finance Rev, 67. Address: 216 Lawton St, Falls Church, Va. 22046.
- WARREN, PROF. GERALD E(MERY), b. Lyons, Kans, Feb. 21, 14; m. 40; c. 2. ECONOMICS. A.B. Southwest. Col, 35; A.M. Iowa, 36, Ph.D, 38. From instr. to asst. prof. DePauw, 38-41, assoc. prof, 46-47; prof. econ, Tulane, 47-56; econ. adv. Int. Coop. Admin, Republic of China, 56-59, Korea, 59-62; prof. ECON, Temple, 62-66; PROF. & CHMN. DEPT, DePAUW, 66- Econo- mist, Fed. Trade Cmn. & Off. Price Admin, 41-43; price exec, Off. Price Stabilization, 51-52. U.S.N.R, 43-46. Econ. Assn; Finance Assn. Direct monetary controls; economics of regulated industry; economic feasibility of leather tanning facility in New Orleans. Address: DePauw University, Box 37, Greencastle, Ind. 46135.
- WARREN, PROF. HARRIS G(AYLORD), Latin Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WARREN, DR. JONATHAN R(OBERT), b. Santa Barbara, Calif, Apr. 7, 24; m. 54; c. 3. EDUCATIONAL PSYCHOLOGY, COUNSELING & GUIDANCE. B.S. U.S. Naval Acad, 47; M.A. California, 57, Ph.D.(ed), 59. Teacher, high sch, Calif, 54-57; asst. higher ed, California, 58-59; jr. res. psychologist, 59-60; counseling psychologist, Nebraska, 60-63; dir. counseling & res. Col. Student Personnel Inst, 63-67; RES. ASSOC, ED. TESTING SERV, 67- Consult, Vet. Admin. Hosp, 61-63. U.S.N, 47-50, 51-53, Res, 53-, Lt. Comdr. Psychol. Assn; Ed. Res. Assn; Psychomet. Soc. Personality development in college students; psychosocial determinants of college behavior. Publ: Co-auth, Personality attributes of gifted college students, Science; Self concept, occupational role expectation, and change in college major, J. Counseling Psychol; auth, Student perceptions of college subcultures, Am. Ed. Res. J, 3/68. Address: Educational Testing Service, 1947 Center St, Berkeley, Calif. 94704.
- WARREN, DR. MARGUERITE QUEEN, b. Marion, Ohio, Jan. 30, 20; m. 49; c. 2. PSYCHOLOGY. A.B. Western Reserve, 42; M.A. California, 46. U.S. Pub. Health Serv. fel, 49-52, Ph.D, 61. Asst. inst. child welfare, California, 47-49; res. psychologist, Off. Naval Res, Camp Elliott, San Diego, Calif, 52-59; asst. res. analyst, RES. DIV, CALIF. YOUTH AUTHORITY, 60-61, jr. behav. res. analyst & prin. investr, NAT. INST. MENT. HEALTH PROJ, 61-67, SR. BEHAV. RES. ANALYST & PROG. DIR, CENTER TRAINING DIFFERENTIAL TREATMENT, SACRAMENTO, 67- Consult, juvenile probs. res. rev. cmt, Nat. Inst. Ment. Health, 65-70. Psychol. Assn. Causes and treatment of delinquency; personality theory and typologies; development of theory of interpersonal maturity having treatment and research implications. Publ: Interaction between kinds of treatment and kinds of delinquents; current trend in correctional research, Calif. State Bd. Corrections; co-auth, Group dynamics approach to the treatment of non-conformists in the Navy, Ann. Am. Acad. Polit. & Soc. Sci. & Development of interpersonal maturity: application to delinquency, Psychiatry. Address: 1102 Oeste Dr, Davis, Calif. 95616.
- WARREN, DEAN NEIL D, b. Athens, Ohio, Jan. 24, 05; m. 29; c. 2. PSYCHOL- OGY. A.B. Pacific, 27; A.M. Southern California, 31, Ph.D.(psychol), 34. Instr. PSYCHOL, SOUTHERN CALIFORNIA, 32-37, asst. prof, 37-46, assoc. prof, 46-48, PROF, 48-, DEAN COL. LETTERS, ARTS & SCI, 60-, head dept, 38-42, 46-52, 54-60. U.S.A.A.F, 42-45, Maj. AAAS; Psychol. Assn; Psychomet. Soc. Motor skills; industrial aviation psychology. Publ: Work- ing with psychology. Address: College of Letters, Arts & Sciences, Univer- sity of Southern California, Los Angeles, Calif. 90007.
- WARREN, DR. RICHARD M, b. New York, N.Y., Apr. 8, 25; m. 50. PSYCHOL- OGY. B.S. City Col. New York, 46; Ph.D.(chem), N.Y. Univ, 51. Proj. leader, Gen. Foods Corp, 51-53; res. assoc. psychol, Brown, 54-56; Nat. Acad. Sci-Nat. Res. Coun. sr. fel. physiol. psychol. col. med, N.Y. Univ, 56-57; Cambridge, 57-58; res. psychol, app. psychol. res. unit, Cambridge, 58-59; lab. psychol, Nat. Inst. Ment. Health, 59-61; assoc. prof. PSYCHOL, Shimer Col, 61-64; WISCONSIN, MILWAUKEE, 64-66, PROF, 66- AAAS; Psychol. Assn; Chem. Soc; Acoustical Soc. Am; Optical Soc. Am. Perception; field psychology. Publ: Co-auth, Helmholtz on perception: its physiology and development, Wiley, 68; auth, Basis for judgment of sensory intensity, Am. J. Psychol, 58; The verbal transformation effect and auditory percep- tual mechanisms, Psychol. Bull, 68. Address: Dept. of Psychology, Univer- sity of Wisconsin, Milwaukee, Wis. 53201.
- WARREN, DR. ROBERT, b. Omaha, Nebr, Mar. 24, 32; m. 59; c. 3. POLITI- CAL SCIENCE. A.B. California, Los Angeles, 54, M.A., 57, Ph.D.(polit. sci), 64. Pub. admin. analyst, bur. govt. res, California, Los Angeles, 58-60, acting asst. prof. POLIT. SCI, WASHINGTON (SEATTLE), 60-66, ASSOC. PROF, 66- Polit. Sci. Assn. Metropolitan area government; political be- havior. Publ: Government in metropolitan regions, Univ. California, Davis, 66; The organization of government in metropolitan areas, Am. Polit. Sci.
- Rev, 61; A municipal services market model of metropolitan organizations, J. Am. Inst. of Planners, 64. Address: Dept. of Political Science, Univer- sity of Washington, Seattle, Wash. 98105.
- WARREN, PROF. ROLAND L(ESLIE), b. Islip, N.Y. SOCIOLOGY. B.S. N.Y. Univ, 35; Ph.D., Heidelberg, 37. Instr. soc. sci, Hofstra Col, 37-38, philos, 38-39, asst. prof. philos, 39-41; assoc. prof. philos. & sociol, Alfred, 41-43, prof sociol, 46-58; dir. soc. res. serv, State Charities Aid Assn, 58-62; Quaker int. affairs rep, Am. Friends Serv. Cmt, Germany, 62-64; PROF. COMMUNITY THEORY, FLORENCE HELLER GRAD. SCH. ADV. STUDIES SOC. WELFARE, BRANDEIS, 64- Guggenheim fel, Germany, 56-57; Nat. Inst. Ment. Health res. career develop. award, 64-69. U.S.N.R, 43-46. Fel. Sociol. Assn; Soc. Study Social Probs; fel. Soc. Appl. Anthropol. Community studies. Publ: Studying your community, Russell Sage, 55, & Macmillan, 65; The community in America, Rand McNally, 63; Social research consultation, Russell Sage, 63. Address: Florence Heller Graduate School for Advanced Studies in Social Welfare, Brandeis University, Waltham, Mass. 02154.
- WARREN, PROF. ROSLYN P(AUKER), Zool, see 11th ed, Phys. & Biol. Vols.
- WARREN, PROF. SAMUEL E(NDERS), b. Houston, Tex, Mar. 20, 03. ECO- NOMICS. A.B. Allegheny Col, 25; A.M. Wisconsin, 29, Ph.D, 42. Instr. Eng. & French, Tex. Col, 25-28; Eng. Morehouse Col, 29-32; econ. hist, sociol, & govt, Prairie View State Col, 32-35; prof. econ. & head dept. soc. sci, 35-44, coordinator coop. soc. sci. proj. in land grant cols, 42-44; prof. econ. & head dept. soc. sci, Southern Univ. & Agr. & Mech. Col, 44-48; chmn. div. soc. sci. & ed, Texas Southern, 48-49, head dept. econ. & acting dean grad. sch, 49-54; head dept. econ. & bus. admin, Bishop Col, 54-55; instr. soc. sci. & chmn. div, Tex. Col, 55-58; prof. econ. & bus. admin. & head dept, Huston-Tillotson Col, 58-62; PROF. ECON. & CHMN. SOC. SCI. JACK- SON STATE COL, 62- Chmn. div. humanities, Wiley Col, 54-55. Econ. Assn; Indust. Rels. Res. Assn. Negro in the American labor movement; intercultural relationships in the social sciences. Publ: Co-auth, Principles of economics Pittman, 56 & Public finance, 58. Address: Social Science Area, Jackson State College, Jackson, Miss. 39217.
- WARREN, PROF. SIDNEY, b. New York, N.Y., Apr. 24, 16; m. 39; c. 2. PO- LITICAL SCIENCE. B.S.S. St. John's, 35; M.A. Columbia, 38, Ph.D, 43. Instr. hist, Washington State Col, 43-44, Jacksonville Jr. Col, 44-45; grant, Library Congress, 45-46; assoc. prof. hist, Florida, 46-49; Fulbright prof, Durham, 49-50; vis. prof, Glasgow, 50-51; PROF. HIST. & POLIT. SCI, CALIFORNIA WESTERN, 52- Am. Coun. Learned Soc. grant, 60; Am. Philos. Soc. grants, 61, 62, 65-66. Polit. Sci. Assn; Hist. Assn. American foreign policy and the role of the President during the twentieth century in his exercise of world leadership. Publ: The president as world leader, 64 & The battle for the presidency, 68, Lippincott; The American president, Prentice-Hall, 67. Address: Dept. of Political Science & History, Cali- fornia Western University, San Diego, Calif. 92106.
- WARREN, DR. SOL L, b. New York, N.Y., Apr. 21, 13; m. 36; c. 1. PSYCHOL- OGY. B.S. Brooklyn Col, 33; M.A. Columbia, 35; City Col. New York, 44; Ph.D.(psychol), N.Y. Univ, 52. Asst. Columbia, 34-36; teacher to handicap- ped, city bd. ed, New York, 36-39, employ. counsr, dept. welfare, 39-43; selective placement specialist, U.S. Employ. Serv, 43-46; supvr. voc. rehab. DIV. VOC. REHAB. STATE DEPT. ED, N.Y., 46-52, chronic disease servs, 52-55, STATE COORDINATOR INTERN. TRAINING, 55- Instr. sch. ed, N.Y. Univ, 46-59; lectr, Fordham, 55; Adelphi Col, 55; Columbia, 55-56, col. physicians & surgeons, 57-; Pa. State, 58; Buffalo, 56; assoc. prof, Hunter Col, 57-; instr. Inst. Practicing Psychother, 63-; assoc. Int. Center Integra- tive Studies, 68- Private practice, 52-; psychol. consult, Community Guid. Serv, 55-; rehab. consult, Am. Legion, 44-45; inst. health, ed. & welfare, Adelphi Col, 57-60; Am. Pub. Health Assn, 60-; consult, Am. Friends Serv. Cmt, 48-48, 56; cmt. res. poliomyelitis, Nat. Found. Infantile Paralysis, 49; asst. exam, New York City Bd. Ed, 65-; clin. assoc. Psychol. Serv. Center, 68- Abstractor, Psychol. Abstr. Civilian with U.S. Army, 44. Fel. Am. Psy- chol. Assn; Nat. Rehab. Assn; Interam. Soc. Psychol; Acad. Psychother; Soc. Sci. Study Sex; Soc. Psychol. Study Social Issues; Int. Assn. Appl. Psychol; Int. Soc. Rehab. of Disabled. Psychological aspects of disability; curriculum development in rehabilitation; group therapy; emotional disorders of chil- dren and adolescents. Publ: Vocational rehabilitation of the tuberculous; co-ed, Rehabilitation counselor preparation; Problems in the placement and follow-up of the mentally retarded, J. Ment. Deficiency. Address: 375 Gar- den Blvd, Garden City, N.Y. 11530.
- WARREN, PROF. STANLEY WHITSON, b. Ithaca, N.Y., Apr. 30, 07; m. 55; c. 7. AGRICULTURAL ECONOMICS. B.S. Cornell, 27, Ph.D.(farm mgt), 31. Statistician agr. econ, Nanking, 31-32; asst. prof. FARM MGT, CORNELL, 33-40, assoc. prof, 40-42, PROF, 42- Agr. Econ. Assn.(v.pres). Farm man- agement and appraisal. Address: Dept. of Agricultural Economics, New York State College of Agriculture, Cornell University, Ithaca, N.Y. 14850.
- WARREN, DR. SUE A(LLEN), b. Dunn, N.C., Dec. 2, 18; div; c. 1. PSYCHOL- OGY. A.B. E.Carolina Col, 39; M.A. Duke, 51; Ph.D, Iowa, 55. Teacher, pub. schs, N.C, 39-42; psychologist, dept. psychiat, sch. med, Duke, 42-51; chief psychologist, LaCrosse Child Guid. Clin, Wis, 51-53; asst. child wel- fare, Iowa, 53-55; coordinator res, Williamsville Schs, N.Y., 55-59; DIR. PSYCHOL. DEPT, Ore. Fairview Home, Salem, 59-63; ILL. STATE PEDIAT. INST, 63-; ASSOC. PROF. PEDIAT, COL. MED, ILLINOIS, 64- Lectr, Buf- alo, 55-59; Portland, 59-63. Summer vis. prof, State Univ. N.Y. Col. Ed. (Buffalo), 58. Consult, med. sch, Oregon, 60-63. Coun. Except. Children; Psychol. Assn; Asn. Ment. Deficiency. Goal setting behavior; ethnocentrism; parent attitudes; learning in mental retardates; planning and evaluations of programs for academically talented students; curriculum development for exceptional children; dissemination of information in mental hygiene. Ad- dress: 1640 W. Roosevelt Rd, Chicago, Ill. 60608.
- WARRICK, DR. MELVIN J(AMES), b. Ottawa, Ill, Nov. 8, 16; m. 41; c. 3. PSYCHOLOGY. B.S. Illinois, 38, M.S., 39; Ph.D.(psychol), Ohio State, 61. Critic teacher, Illinois, 39-41; RES. PSYCHOLOGIST, AEROSPACE MED. LAB, WRIGHT-PATTERSON AIR FORCE BASE, 46- Lectr, Wright State, 65- U.S.A.F, 41-46, 51-53. Psychol. Assn; Human Factors Soc. Human

engineering; experimental psychology; methodology and statistics. Address: 1316 Merrilbrook Court, Fairborn, Ohio 45324.

WARRINER, PROF. CHARLES K(ING), b. Mich, Aug. 26, 20; m. 42; c. 3. SOCIOLOGY. A.B. Hillsdale Col, 42; Cmt. Human Rel. Indust. fel, Chicago, 44-45, M.A., 48, Ph.D.(sociol), 53. Res. asst. cmt. human develop, Chicago, 45-46; res. assoc. Soc. Res. Inc., 47-48; instr. sociol. & human rels, KANSAS, 48-53, asst. prof. 53-57, assoc. prof. SOCIOL, 59-63, PROF, 63-, CHMN. DEPT., 62- Fulbright res. grant, Philippines, 58-59; vis. prof. N.Y. State Sch. Indust. & Labor Rel., Cornell, 67-68. Trustee, Environ. Res. Found., 66- Fel. Social. Asn; Soc. Psychol. Study Soc. Probs; Soc. Appl. Anthropol. Social organization; social psychology. Address: Dept. of Sociology, University of Kansas, Lawrence, Kans. 66044.

WARRINER, DR. CLELL C(ALVIN), JR., b. Okmulgee, Okla, Feb. 15, 30; m. 53; c. 2. PSYCHOLOGY. B.S. Okla. State, 52; M.S. Oklahoma, 56, Ph.D. (psychol), 60. Intern clin. psychol. Cent. State Hosp., Norman, Okla, 56-57, asst. dir. dept. psychol, 58-60; trainee, Vet. Admin. Hosp., Oklahoma City, 57-58; asst. dir. guid. serv., Univ. Oklahoma, 60-62, dir. 62-64; DIR, BAY COUNTY GUID. CLIN, 64- U.S.A.A.F., 52-54, 1st Lt. Psychol. Asn. Early experience and its effect on later social behavior; clinical psychology, particularly its psychotherapeutic and psychodiagnostic aspects. Publ: Co-auth, Early experience as a variable in mate selection, J. Animal Behav, 62 & Failure to complete as a family characteristic, J. Ed. Res, 65. Address: 217 N. Cove Blvd, Panama City, Fla. 32401.

WARRINGTON, PROF. WILLARD G(LADE), b. Macomb, Ill, Oct. 24, 20; m. 45; c. 4. STATISTICS. B.Ed. West. Ill. State Teachers Col, 41; M.S., Illinois, 49 & 50, Ed.D. 52. Asst. bur. res. & serv., Illinois, 49-51, res. assoc. 51-52; asst. prof. bd. exam, MICH. STATE, 52-57, assoc. prof. 57-59, PROF. & DIR, OFF. EVAL. SERV., 59- U.S.A.A.F., 42-45, Lt. Col. Psychol. Asn; Nat. Coun. Measurement in Ed; Ed. Res. Asn. Educational and psychological test development; evaluation of teaching; longitudinal studies of college populations. Publ: Co-auth, Efficiency of multiple-choice tests as a function of spread of item difficulties, Psychometrika; Student attitudes toward general education, J. Higher Ed; An experiment in using current scientific articles in classroom teaching, Sci. Ed. Address: 1855 Ann St, East Lansing, Mich. 48823.

WARRINGTON, PROF. WILLIAM E(DWARD), b. Reading, Pa, July 23, 92; m. 24; c. 1. FINANCE. B.S. Pennsylvania, 15, A.M. 16, Ph.D. 32. Instr. transportation, WHARTON SCH. COMMERCE & FINANCE, PENNSYLVANIA, 16-17, 18-19, bus. 19-29, FINANCE, 29-35, asst. prof. 35-41, assoc. prof. 41-56, prof. 56-62, EMER. PROF., 62- Ord.C., 17-18, 2nd Lt. Econ. Asn; Finance Asn. Corporation finance; investment. Publ: Losses to corporate bondholders, 1919-1928; co-auth, The business corporation. Address: 514 Anthwyn Rd, Merion Station, Pa. 19066.

WARSHAW, DR. LEON, b. New York, N.Y., Feb. 7, 25; m. 52. PSYCHOLOGY. B.A., N.Y. Univ., 50, M.A., 51, Ph.D.(psychol), 56, cert. psychother. & psychoanal, 67; Michigan, 53-55. Asst. psychologist, Montefiore Hosp, 51-52; intern clin. psychol., Wayne County Gen. Hosp., 52-53; chief psychologist, Vet. Admin. Readjust. Center, Univ. Hosp., Michigan, 53-56, psychologist, Vet. Admin. Northport, 56-57, STAFF PSYCHOLOGIST, NEW YORK REGIONAL OFF., VET. ADMIN., 57- Sr. consult, Psychol. Consult. Center, 53-56. Psychol. Asn. Criteria for selection of psychotherapy cases; patients' attitudes toward self and others including therapist; development of character evaluation test; theory of projective testing. Publ: The stimulus value of line drawings of human facial pictures, J. Clin. Psychol, 66; Trait and factor reliabilities of S's responses in assigning traits to human facial line drawings, Perceptual Motor Skills, 66; The congruency of patient-therapist values for human happiness, Psychol. Reports, 66. Address: 303 W. 66th St, New York, N.Y. 10023.

WARSHAW, PROF. MARTIN R(ICHARD), b. New York, N.Y., Sept. 17, 24; m. 48; c. 4. MARKETING MANAGEMENT & LOGISTICS. A.B. Columbia, 47; M.B.A. Michigan, 57, Ph.D.(bus. admin), 60. Instr. MKT, MICHIGAN, 58-60, asst. prof. 60-64, assoc. prof. 64-67, PROF, 67- Mgr, Daniels Jewelry Co, Mich, 50-55, dir. 55-64; vis. prof. Found. Bus. Admin., Rotterdam, Netherlands, 66. C.Eng., 43-46, Sgt. Mkt. Asn; Econ. Asn. Publ: Auth, Effective selling through wholesalers, 61 & co-auth, Michigan in the 1970's, 65, Univ. Michigan; co-auth, Promotional strategy, Irwin, 67. Address: 624 Business Administration, University of Michigan, Ann Arbor, Mich. 48104.

WARSHAW, DR. LEON H(AROLD), b. Cleveland, Ohio, June 8, 28; m. 52; c. 2. SOCIOLOGY. A.B. Brooklyn Col, 49; M.A. Chicago, 51; Indiana, 51-52; fel, Minnesota, 56-57, Ph.D., 59. Asst. SOCIOL, Indiana, 51-52; Minnesota, 54-56; instr. Univ. Kansas City, 57-60, asst. prof. 60-64; ASSOC. PROF., OHIO STATE, 64- Merston soc. sci. res. grant, 66-67. U.S.A., 52-54. AAAS; Sociol. Asn. Social theory; breadth of perspective, relation of social and psychological variables; logic of the social sciences; meanings of causation; predictive level of three social psychology theories. Publ: Adjustment of migrants to cities, Soc. Forces; Anomie and F scales as related to social characteristics, J. Soc. Psychol, 62: 117-123; Breadth of perspective, In: Human behavior and social processes. Address: 223 S. Cassingham Rd, Columbus, Ohio 43209.

WARTERS, PROF. JANE, Counseling, Guid, see 10th ed, Soc. & Behav. Vols.

WARWICK, DR. KENNETH MARSHAL, b. Belfast, North. Ireland, Jan. 13, 36; m. 61; c. 2. PSYCHOLOGY, STATISTICS. B.A. Queen's (Belfast), 59; Ph.D. (psychol), London, 63. Res. assoc. psychol, inst. psychiat, Univ. London, 59-63; instr. sch. med. N.Y. Univ., 64-65; asst. prof. statist, Columbia, 66-67; CONSULT. STATISTICIAN, 68- Psychol. Asn; Statist. Asn; Asn. Comput. Mach. Psychopharmacology; numerical taxonomy applied to personality; multidimensional scaling; test and attitude scale construction; physiological psychology. Publ: Co-auth, Effects of drive level of a multiple choice reaction test, 64 & Situationally determined drive and arousal, 64, Pergamon; co-auth, Effects of nicotine on EEG thresholds, Life Sci, 63. Address: 401 E. 88th St, New York, N.Y. 10028.

WASDEN, DR. RONALD EDWARD, b. Salt Lake City, Utah, Sept. 13, 31; m. 53; c. 2. PSYCHOLOGY. B.S. Brigham Young, 58; Nat. Inst. Ment. Health fel, Utah, 58-60, M.A., 64, Ph.D.(psychol), 66. Res. asst. ed. psychol, bur. ed. res. Univ. Utah, 60-62; statistician, Utah Dept. Employ. Security, 62-65; instr. PSYCHOL, Weber State Col, 65-67; ASST. PROF., BRADLEY, 67- U.S.A., 54-56. AAAS. Reinforcement by electrical stimulation of the brain and the physiological correlates of respondent and operant conditioning. Publ: Overnight performance decrements with intracranial reinforcement, Psychol. Reports, 65; The anomalies of electrical intracranial stimulation: the overnight performance decrement, Rocky Mt. Psychologist, 65. Address: Dept. of Psychology, Bradley University, Peoria, Ill. 61606.

WASH, DR. JAMES ALEXANDER, JR., b. Eufaula, Ala, Nov. 10, 27; m. 52. PSYCHOLOGY, EDUCATIONAL PSYCHOLOGY. B.S. Georgia, 50, Westinghouse fel, 53, M.Ed., 63, Nat. Defense Ed. Act fel, 63-64, Ed.D.(sci. ed. & ed. psychol), 64. Teacher, pub. schs, Ga, 50-62; instr. ed. psychol, Georgia, 64-65; asst. prof. 65-66; asst. prof. med. ed. Med. Col. Ga, 66-67; ASSOC. PROF. ED. & PSYCHOL. & DIR. INST. RES, W.G.A. COL, 67- Adj. instr., Ga. State Col, 56-60. Res. & curriculum consult, U.S. Penitentiary, U.S. Bur. Prisons, 63-66; Ga. State Bd. Corrections, 63-66; Aiken Bd. Ed. S.C., 66-67; res. consult, anthropol. curriculum prof, Georgia, 66-67; programmed instr. prof. anthropol, 66-67; curriculum consult, Med. Col. Ga, 67. Psychol. Asn; Ed. Res. Asn. Educational technology; instructional innovations; human learning and learning problems; institutional studies. Publ: Co-auth, Study guide for educational psychology, Edwards Bros, 66; Predictions of successful college academic performance from measures of body-cathexis, self-cathexis, and anxiety, Perceptual Motor Skills, 65; Generalized effects of praise and reproof, J. Ed. Psychol, 66. Address: Dept. of Psychology, West Georgia College, Carrollton, Ga. 30117.

WASHBURN, DR. HENRY BRADFORD, JR., b. Cambridge, Mass, June 7, 10; m. 40; c. 3. GEOGRAPHY. A.B. Harvard, 33, A.M. 60; hon. Ph.D., Alaska, 51; hon. D.Sc. Tufts, 57, Colby Col, 57, Northeastern, 58. Leader, Yukon exped, Nat. Geog. Soc. D.C. 35; instr. geog. expl., Harvard, 35-42; DIR, BOSTON MUS. SCI., 39- Leader, Mt. McKinley Flights, Nat. Geog. Soc., 36, St. Elias Range, 38; chief rep. for U.S. Army Air Force, U.S. Army Alaskan Test Exped, Mt. McKinley, 42, leader, Arctic equip. tests, 45; Oper. White Tower, 47; sci. dir. Chinese-Am. Amnyi Machin exped, 48; dir. Off. Naval Res. surv., Mt. McKinley, 49; co-leader, Boston Mus. Sci.-Univ. Alaska-Univ. Denver exped, 51. Expert consult, Off. Qm. Gen., 42-45; spec. liaison, Off. Qm. Gen. & Commanding Gen. Alaska Defense Command, 42; dir. reorgn. Army Air Forces Flying Clothing & Personal Equip. Prog., Wright Field, 43; spec. asst. to chief, personal equip. lab, Air Tech. Serv. Command, 44. Mem. vis. cmt. Mus. Comp. Zool., Harvard, 46, overseer, Harvard Col, 55-61; chmn. Mass. Cmt. Selection Rhodes Scholars, 59-60; dir. New Eng. Tel. & Tel. Co., 60- Mem. nat. sci. planning bd, World Sci-Pan Pac. Expos, 58. Nat. Geog. Soc. rep. Int. Geog. Cong. D.C., 52. Burr prize, Nat. Geog. Soc., 40; except. civilian serv. award, U.S. Secy. War, 46. AAAS; fel. Am. Geog. Soc; fel. Am. Acad. Arts & Sci; Arctic Inst. N.Am; fel. Royal Can. Geog. Soc; fel. Royal Geog. Soc.(Peed award, 38). Aerial photography; mapping; cold-weather clothing and equipment; public science education; climate and climate effects. Publ: Mount McKinley and the Alaska Range in literature; Mount McKinley conquered by a new route, Nat. Geog. Mag; A new map of Mount McKinley, Alaska, Geog. Rev. Address: 76 Sparks St, Cambridge, Mass. 02138.

WASHBURN, DR. H(ORACE) H(ANSON), b. Donnellson, Iowa, Jan. 16, 06. BUSINESS ADMINISTRATION. B.C.S., Wyoming, 30; A.M. Iowa, 33; Ph.D., Wisconsin, 44. Instr. Lincoln Col, 34-35; Miss. State Col, 35-37; Hibbing Jr. Col, 41-45; ASSOC. PROF., Wichita, 45-48, BUS. ADMIN., ALABAMA, 48- Econ. Asn. Monetary theory; finance; monetary causation of the business cycle. Address: College of Business Administration, Box 1155, University of Alabama, University, Ala. 35486.

WASHBURN, DR. JOHN L(OREN), b. Boonville, Mo, May 21, 40; m. 63; c. 1. POLITICAL SCIENCE. A.B. Park Col, 62; Lilly fel. & M.A. Duke, 65, Lilly fel. & Ph.D.(polit. sci), 68. Instr. GOVT, LEHIGH, 65-68, ASST. PROF., 68- Polit. Sci. Asn. History of political philosophy; contemporary political theory and philosophy; philosophy of science as related to political science; psychology and political science. Address: Dept. of Government, Lehigh University, Bethlehem, Pa. 18015.

WASHBURN, PROF. R(OGER) D(AVENPORT), b. Ashmont, Mass, Dec. 25, 98. BUSINESS ADMINISTRATION. B.B.A. Boston, 24. Instr. advert. COL. BUS. ADMIN., BOSTON, 24-29, supvr. follow-up for voc. dept, 24-42, dir. real estate course, 27-42, asst. prof. ADVERT, 42-44, assoc. prof. 44-51, from prof. to EMER. PROF., 51- Advertising procedure; principles of real estate practice. Address: 357 Beacon, Boston, Mass. 02116.

WASHBURN, DR. RUTH WENDELL, b. Northampton, Mass, Jan. 19, 90. PSYCHOLOGY. A.B. Vassar Col, 13; M.A. Radcliffe Col, 22; Ph.D.(psychol), Yale, 29. Res. assoc. clin. child develop, inst. Human Rel., Yale, 29-34, asst. 37-38, asst. prof. child develop, univ. 34-38; CONSULT, CHILD DEVELOP, 38- AAAS; Fel. Psychol. Asn; Soc. Res. Child Develop. Child psychology; smiling and laughing of infants; social behavior. Publ: Children have their reasons; Children know their friends. Address: R.D. 2, South Royalton, Vt. 05068.

WASHBURN, PROF. S(HERWOOD) L(ARNED), Anthropol, see 11th ed, Phys. & Biol. Vols.

WASHBURN, DR. WILCOMB E(DWARD), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WASHBURN, DR. CHANDLER, b. Evanston, Ill, Feb. 21, 24; m. 47; c. 3. SOCIAL PSYCHOLOGY, SOCIOLOGY. B.A. Michigan State, 48, M.A. 50, Ph.D.(sociol. & anthropol), 53. Asst. prof. SOCIOL, East. Wash. Col. Ed, 53-54; instr. Wisconsin State, 55; asst. prof. New Mexico Highlands, 55-56; res. fel, Yale, 56-57; asst. prof. Florida, 57-59; Ohio, 62-66; ASSOC. PROF., FRESNO STATE COL, 66- U.S.N.R., 43-46, Lt.(g). Sociol. Asn. Cultural

anthropology. Publ: Primitive drinking; Alcohol, self and group; Conflicts between educational theory and structure. Address: Dept. of Sociology, Fresno State College, Fresno, Calif. 93726.

WASHBURNE, PROF. NORMAN F(OSTER), b. New York, N.Y., Jan. 24, 27; m. 47, 55, 66; c. 3. SOCIOLOGY. B.A., Missouri, 48; M.A., New Sch. Soc. Res., 49; Ph.D.(sociol.), Washington (St. Louis), 53. Instr. sociol. Col. Puget Sound, 49-50; lectr., Brooklyn Col., 50; instr. South. State Col., 51-52, asst. prof., 52-54; Tufts, 54-56; sr. ops. analyst, Combat Ops. Res. Group, 56-58; private consult., Va., 58-60; assoc. prof. SOCIOL., AKRON, 60-66, PROF., 66- U.S.N.R., 44-46, Ens. Sociol. Asn. Social psychology; educational sociology; social research methods; human decision-making in task oriented groups. Publ: Interpreting social change in America; Decisions, values and groups; Relevance of stimuli and models of task situations. In: Stimulus determinants of behavior, Ronald, 63. Address: 3186 W. Bath Rd, Akron, Ohio 44313.

WASHINGTON, PROF. S(AMUEL) WALTER, b. Charles Town, W.Va., Sept. 30, 01; m. 33, 58; c. 1. INTERNATIONAL AFFAIRS. A.B., Va. Mil. Inst., 21; Rhodes scholar. & B.A., Oxford, 24, M.A., 27. For. serv. officer, U.S. Dept. State, 26-53; lectr. & acting prof., Woodrow Wilson Dept. For. Affairs, Virginia, 54-59; VIS. PROF., PUERTO RICO, 60- Polit. Sci. Asn. Anti-Americanism in Latin America. Address: 93 Violeta St, Urban Santa Maria, Rio Piedras, P.R. 00927.

WASIK, DR. JOHN L(OUIS), b. Dearborn, Mich., Apr. 11, 31; m. 66. PSYCHOLOGY, EDUCATION. B.S., Eastern Michigan, 60; M.S., Michigan, 63; Ed.D.(ed. res), Fla. State, 67. Teacher, pub. schs, Mich., 60-63; supvr. res, pub. schs, Md., 66-67; ASST. PROF. EXP. STATIST. & PSYCHOL., N.C. STATE, 67- Ed. Res. Asn; Nat. Coun. Measurement in Ed; Psychomet. Soc. Creativity and problem solving processes in children. Address: Institute of Statistics, North Carolina State University, Box 5457, Raleigh, N.C. 27607.

WASKOM, PROF. HUGH LEE, b. Carothersville, Ind., Mar. 17, 98; m. 24; c. 3. PSYCHOLOGY. A.B., Indiana, 22, M.A., 28, Ph.D., 30. Prof. psychol. head dept. & dir. psychol. clin. Fla. State, 30-66; PROF. PSYCHOL., WESTERN CAROLINA, 66- Mem. Governor's Cmt. on Qual. Ed. Learning. Publ: An experimental analysis of incentive and forced application and their effect upon learning. Address: Route 4, Box 376A, Franklin, N.C. 28734.

WASKOW, DR. ARTHUR I(RWIN), U.S. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WASKOW, DR. IRENE E, b. Milwaukee, Wis., Dec. 27, 33; m. 56; c. 2. PSYCHOLOGY. B.S., Wisconsin, 55, Ph.D.(psychol), 60; U.S. Pub. Health Serv. fcls, Indiana, 55-56, Wisconsin, 56-59, M.A., Indiana, 57. U.S. Pub. Health Serv. fel, psychol. lab, Nat. Inst. Ment. Health, 59-61; intern clin. psychol. Psychiat. Inst, Baltimore, 61-62; RES. PSYCHOLOGIST, PSYCHOPHARMACOL. RES. BR, NAT. INST. MENT. HEALTH, 62- Res. consult, psychother. res. group, Wis. Psychiat. Inst, 62-63. Psychol. Asn. Psychotherapy research; research in clinical methods in psychopharmacology. Publ: Reinforcement in a therapy-like situation through selective responding to feelings of content, 26; 11-19 & Counselor attitudes and client behavior, 27; 405-412, J. Consult. Psychol.; co-auth, Characterizing the psychological state produced by LSD, J. Abnorm. Psychol., 73; 1-14. Address: Psychopharmacology Research Branch, National Institute of Mental Health, Bethesda, Md. 20014.

WASMUTH, DR. WILLIAM J, b. St. Louis, Mo., Feb. 6, 25; m. 51; c. 3. BUSINESS ADMINISTRATION, INDUSTRIAL ENGINEERING. B.S., Jefferson Col., 45; M.A., Washington (St. Louis), 55; Ford Found. fel, Indiana, 60-64, Ph.D. (bus. admin), 61. Jr. aeronaut. engr. McDonnell Aircraft Corp., Mo., 45-46; mgt. analyst, Rice-Stix, Inc., 47-51; Air Training Command, Scott Air Force Base, Ill., 51-53; mgt. consult, Bus. Collab, Inc., Mo., 53-54; asst. to pres, Freund Baking Co., 54-58, asst. plant mgt., 56-58; asst. prof. INDUST. RELS., STATE UNIV. N.Y. SCH. INDUST. & LABOR RELS., CORNELL, 61-66, ASSOC. PROF., 66- Proj. dir, Rehab. Serv. Admin. grant, 66- U.S.A.A.F., 46-47. Indust. Rels. Res. Asn. Organizational growth and change; management of growing small business organizations; manpower and personnel management; organization and administration of sheltered workshops and rehabilitation facilities. Publ: Co-auth, Workshop-management simulation, Rehab. Serv. Admin, 68. Address: State University of New York School of Industrial & Labor Relations, Cornell University, Ithaca, N.Y. 14850.

WASOWSKI, PROF. STANISLAW, Econ, see 10th ed, Soc. & Behav. Vols.

WASSEF, PROF. WASSEF YOUSSEF, b. Cairo, Egypt, Apr. 13, 27; m. 65; c. 1. SOCIOLOGY, PSYCHOLOGY. B.A., Cairo, 50; M.S.W., Washington (St. Louis), 55, M.A., 56; Ph.D.(sociol. psychol), St. Louis, 63. PROF. SOCIOL., Webster Col., 61-63; St. Louis, 63-65; Manitoba, 65-67; WINDSOR, 67- Assessment officer proj. C.A.U.S.E., Southern Illinois, summer 64; res. dir, Winnipeg Multi-Serv. Proj., 66-67. Sociol. Asn; Nat. Asn. Social Workers; Acad. Polit. & Soc. Sci. Social psychology, especially alienation; criminology; tool construction; socialization. Publ: The influence of religion, socioeconomic status, and education on anomie, Sociol. Quart., 4/67. Address: Dept. of Sociology & Anthropology, University of Windsor, Windsor, Ont, Can.

WASSERMAN, DR. MAX JUDD, b. St. Louis, Mo., June 24, 95; m. 25; c. 3. ECONOMICS. A.B., Cornell, 18; A.M., Illinois, 21; Chicago, 21-22; dipl., Dijon, 22; fel, Lyons, 22-23, Am. Field Serv. fel, 23-25, D.Econ., 25. Asst. prof. econ., Illinois, 25-34; economist, U.S. Dept. Agr., 34-35; dir. finance div, Resettlement Admin., 35-37; statistician & economist, Soc. Security Bd., 37-41; int. economist, For. Econ. Admin., 41-45; U.S. Dept. Commerce, 45-59; vis. prof. int. econ., Kentucky, 59-65; SR. STAFF ECONOMIST, SPIN-DELETOP RES. INC., 65- Soc. Sci. Res. Coun. fel, France, 27-29; vis. lectr., Ky. State Col., 65- Mem. U.S. Del. Int. Monetary Fund & Int. Bank Reconstruct. & Develop. inaugural mtg, Savannah, Ga., 46; U.S. Del. UN Fiscal Cmn. mtg., 49; Jt. Econ. Admin.-U.S. Dept. Commerce study mission, Paris, 49. U.S.A., 17-19, 2nd Lt. Econ. Asn. International economics and finance.

Publ: Co-auth, International finance, Heath, 63; The Common Market and American business, 64 & The balance of payments, 65, Schenkman. Address: 1104 Fontaine Rd, Lexington, Ky. 40502.

WASSERMAN, PROF. WILLIAM, b. Newark, N.J., June 15, 22; m. 49. ECONOMICS, STATISTICS. B.A., Rutgers, 47, M.A., 49; Ph.D.(econ), Syracuse, 52. Res. assoc., SYRACUSE, 50-52, PROF. BUS. ECON. & STATIST., 53- U.S.A., 42-45. Econ. Asn; Statist. Asn. Statistical methods in economics and business; economic theory. Publ: Education price and quantity indexes; co-auth, Fundamental statistics & Joint procurement of medical equipment and supplies. Address: College of Business, Syracuse University, Syracuse, N.Y. 13210.

WASSON, PROF. CHESTER R(EYNOLDS), b. Wilkesburg, Pa., Nov. 30, 06; m. 67. MARKETING. B.A., Pittsburgh, 29; M.A., Oberlin Col., 31; Cornell, 30-31; Ph.D.(sociol. econ), Minnesota, 38. Asst. state supvr. rural res. exp. sta, Univ. Minnesota, 35-37, res. asst. rural sociol. univ. farm, 37-39; dir. & owner, Midwest Res. Coun., 39-41; indust. economist, War Prod. Bd., 41-43; mkt. res. analyst, Spiegel, Inc., 46-49; mkt. res. specialist, U.S. Dept. Agr., 49-50; econ. adv. Off. Price Stabilization, 50-53; res. analyst, Leo Burnett, Inc., 53-54; sales & res. dir., Agr. Prod. Co., 54-58; assoc. prof. MKT, Drexel Inst., 58-60; Case Inst. Tech., 60-62; Tulsa, 62-64; prof., California Western, 64-65; vis. prof., Southern California, 65-66; lectr., California, Los Angeles, 66-67; PROF., NORTHERN ILLINOIS, 67- Lectr., Roosevelt, 55-58. Mkt. consult., 54- Asst. state supvr., Va. Polytech., 38-39. U.S.A., 43-45, Sgt. Mkt. Asn; Econ. Asn. Managerial economics; competitive business strategy and product innovation; product and idea adoption; fads and fashions. Publ: Research analysis for marketing decision, 65, The economics of managerial decision, 65 & co-auth, Competition and human behavior, 68, Appleton. Address: 809 Edgebrook Dr, Apt. 5-105, DeKalb, Ill. 60115.

WASSON, PROF. HILDA CROWELL, b. Morganfield, Ky., Apr. 19, 21; wid; c. 2. MARKETING, FINANCE. B.S., Bowling Green Col. Commerce, 40; Northwestern, 40-41; M.B.A., Indiana, 53; John Edwards fel, Indiana, 55-57, D.B.A.(econ, mkt. mgt. & finance), 59. Asst. prof. bus. admin, Stetson, 53-57; ASSOC. PROF. MKT, col. bus. admin, Tennessee, 57-66; DePAUL, 66- Ford summer grant, Indiana, 63. Mkt. Asn; Econ. Asn. Retailing price policies and practices of retail institutions; investment policies of commercial banks. Address: Dept. of Marketing, DePaul University, College of Commerce, 25 E. Jackson Blvd, Chicago, Ill. 60604.

WASSON, PROF. ROBERT M(ONROE), b. San Francisco, Calif., Mar. 12, 27; div; c. 2. COUNSELING, GUIDANCE. A.B., Col. Pacific, 51; M.A., Stanford, 54; Ph.D.(counseling), Wisconsin, 64. Teacher, high schs, Calif., 51-58, counsr., 58-62; asst. prof. COUNSR. ED, Iowa, 64-66, assoc. prof., 66-68; PROF., N.Y. UNIV., 68- Consult, U.S. Off. Health, Ed. & Welfare, 66-67. U.S.N., 44-47. Psychol. Asn; Ed. Res. Asn; Personnel & Guid. Asn. Social psychology of organizations; organizational behavior; counseling effectiveness. Publ: The Wisconsin relationship orientation scale as an unique variable in the assessment of applicants for counselor education; Counsr. Ed. & Supv., 65; co-auth, Counselor isolation and concomitant perceptions, Personnel & Guid. J., 65 & Students with special characteristics, Rev. Ed. Res., 66. Address: Dept. of Guidance & Personnel Administration, School of Education, New York University, Washington Square, New York, N.Y. 10003.

WATANABE, DR. MORIMICHI, b. Yamagata, Japan, Aug. 8, 26; m. 54; c. 1. POLITICAL SCIENCE. LL.B., Tokyo, 48; Princeton, 50-52; M.A., Columbia, 58, Ph.D.(polit. theory), 61. Lectr. polit. sci., Meiji Gakuin Jr. Col., Japan, 48-49; instr., Meiji Gakuin Univ., 49-51, lectr., 51-54; vis. asst. prof., Kans. State Col. Pittsburg, 60-61; instr., Queens Col., 61-63; asst. prof. POLIT. SCI. & HIST., C.W. POST COL., LONG ISLAND, 63-66, ASSOC. PROF., 66- Res. grants, Am. Philos. Soc., 64-65 & Am. Coun. Learned Soc., 66-67. Polit. Sci. Asn; Hist. Asn; Medieval Acad. Am; Renaissance Soc. Am; Asn. Asian Studies. Political theory; late Medieval political and legal thought; comparative government. Publ: The political ideas of Nicholas of Cusa, with special reference to his De Concordantia Catholica, Librairie Droz, 63. Address: Dept. of Political Science, C.W. Post College, Long Island University, Greenvale, N.Y. 11548.

WATERHOUSE, DR. WARREN CLAYTON, b. New Auburn, Wis., Aug. 15, 11; m. 37; c. 2. BUSINESS ADMINISTRATION, MANAGEMENT. B.Ed. Wis. State, Eau Claire, 33; M.B.A., Denver, 48; Ph.D.(econ), Northwestern, 60. Asst. prof. mgt. & head dept., Miss. State, 51-56; lectr., Northwestern, 56-59; asst. prof. bus. admin., BOWLING GREEN STATE, 59-61, assoc. prof., 61-64, prof., 64-67, ACTING DEAN COL. BUS. ADMIN., 67-, asst. dean, 64-67. Summers, Econ-in-Action fel, Case Inst. Tech., 62, Purchasing Agent's Asn. fel, Diamond Alkali Corp., Ohio, 63. U.S.A.R., 42-46, Lt. Col. Indust. Rels. Res. Asn; Acad. Mgt; Soc. Adv. Mgt. Wage and salary administration; industrial purchasing research; industrial organization. Publ: Management by objectives, 1/64, Improvement of management skill through planning, 4/64 & Research helps upgrade purchasing efficiency, 12/65, Midwest Purchasing Agent. Address: College of Business Administration, Bowling Green State University, Bowling Green, Ohio 43402.

WATERMAN, PROF. ARTHUR JOHN JR, b. Boston, Mass., Jan. 18, 10; m. 47; c. 2. POLITICAL SCIENCE. A.B., Harvard, 31, A.M., 32; Ph.D.(pub. admin), N.Y. Univ., 40. From asst. to instr. polit. sci., N.Y. Univ., 33-41; from asst. to assoc. econ. statistician, War Prod. Bd., Wash., D.C., 41-44; civil affairs specialist, Off. Mil. Govt. Germany, 46-47; assoc. prof. polit. sci., Florida, 48-50; training officer, sch. mgt. & admin. for serv. inst., U.S. Dept. State, 50-52, asst. dir. & training adv. inst., 52-54; personnel officer, performance eval. br. off. personnel, 54-56; Am. Embassy, Italy, 56-60; spec. asst., Am. Embassy, Lebanon, 60-63; chief, pub. correspondence div. off. pub. serv., bur. pub. affairs, U.S. Dept. State, 63-64; PROF. POLIT. SCI., C.W. POST COL., LONG ISLAND, 64-, CHMN. DEPT., 67-, dir. Robert A. Taft Inst. Govt., 66-68, acting chmn. dept. polit. sci., 66-67. U.S.A., 44-46, 1st Lt. Polit. Sci. Asn; Soc. Pub. Admin. International law and relations; comparative government; American foreign policy; public administration. Publ: Integration of rapid transit facilities of the City of New York; contrib, Dictionary of American politics, Barnes & Noble, 44; Planning for democracy,

Seminar Papers on Community Planning, Sch. Archit. & Allied Arts, Univ. Florida, 48. Address: Dept. of Political Science, C.W. Post College, Long Island University, Greenvale, N.Y. 11548.

WATERMAN, PROF. MERWIN H(OWE), b. Jackson, Mich, July 27, 03; m. 28; c. 3. **FINANCE**. A.B. Michigan, 25, M.B.A. 26, Ph.D. 32. From instr. to assoc. prof. **FINANCE**, MICHIGAN, 26-44, PROF. 44-, asst. dir. bur. bus. res, 29-37, secy. sch. bus. admin, 37-45, mem. exec. cmt, 48-50, 60-62, acting dean, 60. Spec. investr. bank lending policies, U.S. Treas. Dept, 34; prog. adv. Stichting Bedrijfskunde, Rotterdam, 66-67. Res. financial & econ. consult. Finance Assn. Public utilities; investment banking. Publ: Co-auth, Essays on business finance, Masterco, 5th ed, 65; auth, Investment banking functions & Economic implications of public utility holding companies, Mich. Bus. Studies. Address: Graduate School of Business Administration, University of Michigan, Ann Arbor, Mich. 48104.

WATERMAN, PROF. RICHARD A(LAN), b. Solvang, Calif, July 10, 14; m. 37; c. 2; m. 49; c. 2. **ANTHROPOLOGY**. B.A. Santa Barbara Col, 37; M.A. Claremont Col, 41; Ph.D.(anthrop). Northwestern, 43. Instr. **ANTHROP**, Northwestern, 43-45, asst. prof, 45-56; assoc. prof, Wayne State, 56-61. PROF. 61-66, chmn. dept. sociol. & anthrop, 59-62; **SOUTH FLORIDA**, 66-Vis. assoc. prof, Washington (Seattle), 53-54. **AAAS**; fel. Anthropol. Assn; fel. Musicol. Soc; fel. Soc. Ethnomusicol; fel. Royal Soc. S.Australia. Ethnomusicology of Puerto Rico and Cuba. Publ: Bibliography of Asiatic musics; African influences on music of the Americas; Australian aboriginal ethnomusicology. Address: Dept. of Anthropology, University of South Florida, Tampa, Fla. 33620.

WATERMAN, PROF. WILLOUGHBY C(YRUS), Sociol, see 10th ed, Soc. & Behav. Vols.

WATERS, DR. HARRY JOSEPH, b. Waterbury, Conn, Aug. 24, 20; m. 45; c. 1. **MARKETING, MANAGEMENT**. B.B.A. Hofstra, 54; M.B.A. N.Y. Univ, 55, Ph.D. 64. Salesman, John Hancock Mutual Life Ins. Co, 47-48; Peerless Radio Distributors, 48-52; sales mgr, Segen Electronics, Inc, 52-55; asst. prof. bus. admin, Clarkson Tech, 55-63; **ASSOC. PROF. BUS. & ECON**, MAINE, PORTLAND, 63- U.S.N.R., 42-46. Mkt. Assn. Economic development at the municipal, regional and state levels; store and shopping center locations; industrial marketing and purchasing. Publ: Co-auth, The industrial distributor: who he is, how he operates, his future, privately pub, 60; auth, The practice and procedures of the construction equipment distributor, privately pub, 65. Address: 340 Ludlow St, Portland, Maine 04102.

WATERS, DR. JERRY BLAKELY, b. St. Francis, Kans, Jan. 6, 33; m. 53; c. 3. **POLITICAL SCIENCE, AGRICULTURE ECONOMICS**. B.S. Kansas State, 54; Falk Found. fel, Mich. State, 59-60, Univ. fel, 60-61, Ph.D.(polit. sci), 65. Res. analyst, Mich. Republican State Cent. Cmn, 60-61; instr. soc. sci, KANSAS STATE, 61-64, **ASST. PROF. POLIT. SCI**, 64- Res. Coordination Coun. student grant voter turnout, 65-66. Legis. & res. asst, Senator James B. Pearson, 66-67, admin. asst, 67- U.S.A.F, 54-57, 1st Lt. Polit. Sci. Assn. Agricultural politics and policy formation; economics of agriculture; organization and development of political parties and voting behavior; legislative processes. Publ: Co-auth, Values, expectations and political predispositions of Italian youth, Midwest J. Polit. Sci, 2/61; auth, Reapportionment: the legislative battle, In: Apportionment and representation, Rand McNally, 67. Address: Dept. of Political Science, Kansas State University, Manhattan, Kans. 66502.

WATERS, DR. JERRY E(ARL), b. Knoxville, Tenn, Feb. 12, 35. **PSYCHOLOGY**. B.A. Maryville Col, 57, fel, Kentucky, 57, M.A. 60, Ph.D.(psychol), 64. Asst. prof. **PSYCHOL**, MARYVILLE COL, 63-64; **ASSOC. PROF. & CHMN. DEPT**, 64- Nat. Sci. Found. instr. sci. equip. prog. grant, 66-67. Psychol. Assn; Speech & Hearing Assn. Delayed auditory feedback; speech pathology and hearing disorders; audition. Publ: Co-auth, Psychometric appraisal of deaf children using the Columbia mental maturity scale, J. Speech & Hearing Disorders, 62 & Abstract conditioning, J. Psychol, 62; auth, A theoretical and developmental investigation of delayed speech feedback, Genetic Psychol. Monogr, (in press). Address: Dept. of Psychology, Maryville College, Maryville, Tenn. 37801.

WATERS, DR. JOHN J, JR, Am. Colonial Hist, see 5th ed, Dir. Am. Scholars, Vol. 1, Hist.

WATERS, DR. LAWRENCE KENT, b. Flint, Mich, Oct. 19, 30; m. 58. **EXPERIMENTAL & INDUSTRIAL PSYCHOLOGY**. A.B. Olivet Nazarene Col, 54; M.Sc. Ill. Inst. Tech, 55; Ph.D.(exp. psychol), Ohio State, 58. Res. asst. **PSYCHOL**, Ohio State, 55-58; sr. proj. dir, U.S. Army Personnel Res. Off, 61-64; **ASSOC. PROF**, OHIO, 64- Med.Serv.C, U.S.N., 58-61, Lt. Psychol. Assn; Psychomet. Soc; Human Factors Soc. Selection and evaluation methodologies; experimental design and human factors. Address: 45 Eden Place, Athens, Ohio 45701.

WATERS, DR. MAURICE, b. Philadelphia, Pa, Sept. 25, 22; m. 49; c. 3. **POLITICAL SCIENCE, INTERNATIONAL RELATIONS**. A.B. Antioch Col, 51; scholar, Chicago, 53, traveling fel, 54, Ph.D. 59. Instr. polit. sci, exten. div, Wisconsin, 54-57; from instr. to asst. prof, Wayne State, 57-61; vis. asst. prof. govt, Antioch Col, 61-63; assoc. prof. **POLIT. SCI**, WAYNE STATE, 65-68, PROF. 68- World Affairs Center fel, UN, 60-61; vis. prof. int. rels, Univ. West Indies, 66-68. U.S.A., 42-45. American and comparative government. Publ: The ad hoc diplomat: a study in municipal and international law, The United Nations: international organization and administration, Macmillan, 67, Special diplomatic agents of the President, The Annals, Address: Dept. of Political Science, Wayne State University, Detroit, Mich. 48202.

WATERS, PROF. R(ICHARD) HADLY, Econ, see 10th ed, Soc. & Behav. Vols.

WATERS, PROF. R(OLLAND) H(AYS), Psychol, see 10th ed, Soc. & Behav. Vols.

WATERS, PROF. WILLIAM R(OLAND), b. Baltimore, Md, Feb. 5, 20; m. 50; c. 4. **ECONOMICS**. A.B. Loyola Col.(Md), 42; Ph.D.(econ), Georgetown, 53.

Instr. **ECON**, DePAUL, 50-53, asst. prof, 53-57, assoc. prof, 57-62, PROF. 62-, **HEAD BEHAV-SOC. SCI. DIV**, 66- Ed. Rev. Soc. Econ, 65- U.S.A.A.F, 42-46. Econ. Assn; Econ. Hist. Assn. Economic development theory, United States and underdeveloped countries. Publ: Entrepreneurship, dualism and causality; Economic causes of Civil War; Spending multiplier and macro course, Am. Economist, fall 65. Address: Dept. of Economics, DePaul University, 2323 N. Seminary, Chicago, Ill. 60614.

WATERSTON, ALBERT, b. New York, N.Y., Oct. 28, 07; m. 31; c. 2. **ECONOMICS**. A.B. N.Y. Univ, 37; A.M. Columbia, 39. Instr. soc. studies, N.Y. Univ, 37-41; assoc. price exec, consumer durable goods, Off. Price Admin, 41-42; chief statistician, For. Econ. Admin, 42-46; v-pres, Virgin Islands Co, 46-47; sr. staff mem, INT. BANK RECONSTRUCT. & DEVELOP, 47-66, **PLANNING ORGN. ADV**, 66- Vis. lectr, Pittsburgh, 61; vis. summer lectr, grad. prog. econ. develop, Vanderbilt, 63; vis. prof, Col. Mex, 65; lectr, Maryland, 66-67; vis. prof, California, Berkeley, 67. Soc. Int. Develop; Econ. Assn; Soc. Pub. Admin. Economic planning; planning in underdeveloped countries. Publ: Planning in Yugoslavia; Planning in Pakistan, 63 & Development planning: lessons of experience, 65, Johns Hopkins. Address: 7117 Braeburn Place, Bethesda, Md. 20034.

WATKINS, PROF. FREDERICK M(UNDELL), b. Providence, R.I., Mar. 26, 10. **POLITICAL SCIENCE**. A.B. Harvard, 30, jr. prize fel, 33-36, Ph.D. 37. Faculty instr, Harvard, 37-39, vis. prof, sch. overseas admin, 42-44; asst. prof, Cornell, 39-41; mem. staff, Off. Strategic Serv, 45; Bronfman prof. **POLIT. SCI**, McGill, 46-52; PROF, YALE, 52- Mem. Can. Soc. Sci. Res. Coun. Am. Polit. Sci. Assn; Archaeol. Inst; Can. Polit. Sci. Assn. Political theory; comparative government; constitutional dictatorship. Address: Dept. of Political Science, Yale University, New Haven, Conn. 06520.

WATKINS, DR. GORDON S, b. Brynmawr, Wales, Mar. 9, 89. **ECONOMICS**. A.B. Montana, 14, LL.D. 40; A.M. Illinois, 15; Ph.D. Pennsylvania, 18; LL.D. California, 56, D.H.L. 58. Mem. faculty, Illinois, 17-25, assoc. prof. **ECON**, 20-25; prof, CALIFORNIA, 25-51, dean summer session, 31-35, col. letters & sci, 36-46, provost, Riverside, 49-57, **EMER. PROF. & EMER. CHANCELLOR**, 57-, acting dean, sch. ed, Santa Barbara, 61-62. Adv. Danish Cmt. Pub. Monopolies, 19-22; personnel counsr, Title Ins. & Trust Co, 27-29. Ed. dir, Los Angeles Bldg. & Loan Inst, 25-29; Los Angeles Stock Exchange Inst, 29-30; State Coun. Nat. Defense, 40- Trustee, John Randolph & Dora Haynes Found, 42- Econ. Assn; Acad. Polit. & Soc. Sci. (spec. ed, Annals, 48, 51). Labor problems and relations; personnel administration; economic reform; history of economic doctrine. Publ: Labor problems and labor administration in the United States during World War I, Vols. I & II; Labor problems; Labor management. Address: 2663 Tallant Rd, Santa Barbara, Calif. 93105.

WATKINS, PROF. JAMES T(HOMAS), IV, b. San Francisco, Calif, Nov. 8, 07. **INTERNATIONAL RELATIONS**. A.B. Stanford, 29, A.M. 34, fel, 37-38, Ph.D. 41; Inst. Univ. de Hautes Etudes Int, Geneva, 36-37; Columbia, 43-44. Instr. polit. sci, Chicago, 38-41; asst. prof, Ohio State, 41-43; polit. affairs officer & dir. dept. gen. affairs, U.S. Mil. Govt. Hq. Ryukyu Islands, 45-46; asst. prof. **POLIT. SCI**, STANFORD, 46-49, assoc. prof, 49-53, acting chmn. dept, 51-53, chmn. dept, 53-59, PROF, 53-, DIR. INT. RELS. PROG, 65-, chmn. prog, 47-65. U.S.N.R., 43-46, Lt. Comdr. Polit. Sci. Assn; Soc. Int. Law. International relations theory; international organization; Far East. Publ: Taiwan, Shinchiku Province; co-auth, General international organization. Address: Dept. of Political Science, Stanford University, Stanford, Calif. 94305.

WATKINS, DR. JOHN G(ODDRICH), b. Salmon City, Idaho, Mar. 17, 13; m. 46; c. 5. **PSYCHOLOGY**. B.S. Idaho, 33, M.S. 36; scholar, Columbia, 39-40, Ph.D.(ed. psychol), 41. Asst. prof. psychol, Ithaca Col, 40-41; prof, Ala. Polytech, 41-43; assoc. prof, State Col. Wash, 46-49; clin. psychologist, hosp. Vet. Admin, American Lake, Wash. & Ment. Hyg. Clin, Seattle, 49-50, chief clin. psychologist, Ment. Hyg. Clin, Chicago, Ill, 50-53, hosp, Portland, Ore, 53-64; PROF. **PSYCHOL. & DIR. CLIN. TRAINING**, MONTANA, 64- Lectr, Washington (Seattle), 50; Northwestern, 52-53; Portland, 55-; clin. assoc. med. sch, Oregon, 57-58. Chief clin. psychologist, Welch Convalescent Hosp, U.S. Army, Fla, 45-46. Sci. consult, Newton Found, 67- Dipl. Am. Bd. Exam. Prfnl. Psychol; Am. Bd. Exam. Psychol. Hypnosis, pres, 59-62. Fel. AAAS; fel. Psychol. Assn; fel. Acad. Psychosom. Med; fel. Soc. Clin. & Exp. Hypnosis (Bernard B. Raginsky award, 65); Acad. Psychother; fel. Int. Soc. Clin. & Exp. Hypnosis (exec. secy, 58-62, pres, 65-67). Psychotherapy; hypnoanalysis; psychopathology. Publ: Objective measurement of instrumental performance; Hypnototherapy of war neuroses; General psychotherapy. Address: Dept. of Psychology, University of Montana, Missoula, Mont. 59801.

WATKINS, PROF. KERMIT C(HRISTOPHER), b. Craborchard, Ky, Nov. 1, 09; m. 46; c. 2. **ECONOMICS**. A.B. William Jewell Col, 31; M.S. Colo. State Agr. & Mech. Col, 32; Ph.D.(econ), Kansas, 55. Instr. econ. & bus, Rockhurst Col, 46-48, asst. prof, 49-54, assoc. prof, 54-56, dir. eve. classes, 47-51, dir. div. bus. admin, 47-56; PROF. **ECON. & CHMN. DEPT. ECON. & BUS. ADMIN**, WILLIAM JEWELL COL, 61- Vis. asst. prof, Kansas, 52-54, res. assoc, bur. bus. res, 55. Econ. Assn. Business finance; public finance. Publ: Economic aspects of grants-in-aid in Kansas; Suggestions for federal tax reform, Bus. & Govt. Rev, 5-6/66. Address: 424 E. Mississippi, Liberty, Mo. 64068.

WATKINS, PROF. LEONARD L(YON), b. Yantley, Ala, July 30, 96. **ECONOMICS**. A.B. Texas, 16, A.M. 17; Ph.D. Michigan, 26. Asst. prof, Cincinnati, 24-26; **ECON**, MICHIGAN, 26-29, assoc. prof, 29-34, prof, 34-57, **EMER. PROF**, 57- Soc. Sci. Res. Coun. fel, London, 28-29. Chicago Trust Co. prize, 28. Publ: Bankers' balances; Commercial banking reform in the United States. Address: Box 3, McHenry, Miss. 39561.

WATKINS, PROF. MARK HANNA, b. Huntsville, Tex, Nov. 23, 03; m. **ANTHROPOLOGY**. S.B. Prairie View Col, 26; A.M. Chicago, 30, Ph.D.(anthrop), 33. Asst. prof. sociol, Louisville Munic. Col. Louisville, 33-34; PROF, Fisk, 34-47; **ANTHROP**, HOWARD, 47- AAAS; fel. Anthropol. Assn; Sociol. Assn; Ling. Soc; Int. African Inst. Bantu languages and Yoruba. Publ:

A grammar of Chichewa, a Bantu language of British Central Africa; Bantu languages, Encyclop. Britannica, 62. Address: Dept. of Anthropology, Howard University, Washington, D.C. 20001.

WATKINS, DR. MARSHALL OWEN, b. Knights, Fla, July 4, 13; m. 35; c. 2. PUBLIC ADMINISTRATION, ECONOMICS. B.S.A, Florida, 35, M.A.G. 48, D.P.A. Harvard, 55. Asst. agr. conserv, U.S. Dept. Agr, 37-41; county agent, FLORIDA, 41-42, asst. to dir. ADMIN, 45-50, asst. dir, 50-56, DIR, 56- Mem. exten. cmt. orgn. & policy, Nat. Assn. State Cols. & Univs, 63-66, chmn, 65. U.S.N, 42-45, Lt. Soil Conserv. Soc. Am. Soils and agronomy. Address: Room 103, Rolfs Hall, University of Florida, Gainesville, Fla. 32601.

WATKINS, DR. MYRON W(EBSTER), Polit. Econ, see 10th ed, Soc. & Behav. Vols.

WATKINS, DR. RALPH J(AMES), b. San Marcos, Tex, Dec. 31, 96. ECONOMICS. B.B.A, Texas, 21, A.B. 22; Nat. Univ. Mexico, 21; M.S. Columbia, 24, Ph.D. 27. Instr. bus. admin, Texas, 24-25, prof. statist, 27-28; asst. prof. econ. res, Ohio State, 25-27, assoc. prof, 28-29; mem. staff, Nat. Bur. Econ. Res, 29-30; prof. statist. & dir. bur. bus. res, Pittsburgh, 30-39, chmn. soc. sci, seminar, 37-38; dir. energy resources surv. & consult, Nat. Resources Cmt, 38; asst. adminstr, wage & hour div, U.S. Dept. Labor, 39; dir. nat. transportation policy study, Exec. Off. President, 40-42; chief import div, N.African Econ. Bd, Algiers, 43-44; dir. mkt. & res. div, Dun & Bradstreet, Inc, 44-48, res, 48-57; econ. studies, Brookings Inst, 57-62; V.PRES. SURV. & RES. CORP, 62- Lectr, Columbia, 47-56; Weinstock lectr, California, 51. Dir. off. plans & progs, Nat. Security Resources Bd, 48-49; Kobe-Nagoya Expressway Surv, Japanese Ministry of Construct, 56; econ. develop. studies, Mexico, Ecuador, Tunisia & Malawi, 63-65; sr. mem. World Bank team, with Indian planning cmn. transport surv. east. region India; Calcutta, Int. Bank Reconstruct. & Develop, 65-67. Econ. adv, Nat. Resources Planning Bd, 39-40, asst. dir, 40-43; adv, War Prod. Bd, 44; spec. consult. to Secy. Army, 50-52; adv. polit.-mil. policy, Gen. Van Fleet Mission, Far East, 54; comprehensive planning, Port of New York Authority, 56-61. Chmn. intensive rev. cmt. appraisal progs. Census Bur, 53-54; cmt. prod. uses nuclear energy, Nat. Planning Assn, 54-57; chmn. cmt. statist. policy, U.S. Bur. Budget, 56-; Pop. & Housing Census Users' Coun, U.S. Bur. Census, 56-60; Fed. Statist. Users' Conf, 56-57, 58-59; chmn. cmt. econ. & manpower studies, Nat. Sci. Found, 61-66. Mem, Fed. Anthracite Cmn, 42; bd. dir, univ. res. found, Ohio State, 56-57; cmt. to visit dept. econ, Harvard, 56-61. Del. Conf. Coal Mining Indust, Int. Labor Orgn, Geneva, 38. U.S.A, 17-19, Sgt. Econ. Assn; fel. Statist. Assn.(pres, 55); Asn. Bus. Econ; Planning Assn; Royal Econ. Soc. Administration of economic and business research; national security policy. Publ: Co-auth, The market for steel in Mexico, 64 & auth, Expanding Ecuador's exports, 67, Praeger; co-auth, Report on Kobe-Nagoya expressway survey, Ministry of Construct, Govt. Japan, 56. Address: 2908 R St. N.W, Washington, D.C. 20007.

WATKINS, DR. RICHARD W(ALKER), b. Pittsburgh, Pa, May 28, 22; m. 52; c. 4. EDUCATIONAL PSYCHOLOGY. A.B. Haverford Col, 47; M.S. Pittsburgh, 50; Ph.D. Syracuse, 55. Asst. statist, bur. measurement & guid, Carnegie Inst. Tech, 47-49; psychol. statist, Syracuse, 49-52; ed. res, Pa. State, 52-55; statist. assoc. Ed. Testing Serv, 55-61, head, test progs. statist. sect, 61-62, prog. dir. col. bd. guid. serv, 62-65, dir. statist. serv, west. off, 65-68; PROG. DIR, FAR WEST LAB. ED. RES. & DEVELOP, 68-Vis. instr, Rutgers, 58- Ed. Res. Assn; Nat. Coun. Measurement in Ed. Scaling of measures of human behavior; personnel classification and selection; measurement of individual change. Address: Hotel Claremont, 1 Garden Circle, Berkeley, Calif. 94705.

WATKINS, DR. THAYER HOWARD, b. Golden, Colo, Mar. 12, 38; m. 66; c. 1. ECONOMICS. B.S. Colorado, 61, Ph.D.(econ), 65. Res. assoc, bur. econ. res, Univ. Colorado, 64-65; staff economist, Cowles Found, Yale, 65-66; ASSOC. PROF. ECON, MEMPHIS STATE, 66- Econ. consult, U.S. Bur. Budget, 66-68. Mathematical analysis of models of decision-making. Address: Dept. of Economics, Memphis State University, Memphis, Tenn. 38111.

WATKINS, LT. COL. WILLIAM H(UGH), U.S.A.F, b. Canton, Ohio, Feb. 1, 27; m. 50; c. 4. EXPERIMENTAL PSYCHOLOGY. B.S. Western Reserve, 49; M.S. Trinity, 53; Ph.D.(psychol), Texas, 63. RES. PSYCHOLOGIST, U.S. AIR FORCE, 49- Psychol. Assn; Sci. Res. Soc. Am. Visual and auditory perception; psychophysiology; experimental methodology. Publ: Effect of certain noises upon detection of visual signals, J. Exp. Psychol, 64; Effect of intensity changes in auxiliary stimuli on auditory and visual signal detection, U.S. Air Force Tech. Report 66-121, 65; Effects of temporal variation of auxiliary light stimuli upon detectability of tonal signals, Perception & Psychophys, 67. Address: 6570 AMRL (MRHE), Wright Patterson AFB, Ohio 45433.

WATMOUGH, PROF. ERNEST BOOTH, b. Philadelphia, Pa, Sept. 6, 15; m. 38; c. 3. INDUSTRIAL ENGINEERING. B.S. Pa. State, 38, M.S. 51. Jr. indust. engr, Collins & Aikman Corp, 38-39; Phila. Works, Gen. Elec. Co, 39-40; sr. indust. engr, Westinghouse, 40-41; Piper Aircraft, 41-43; chief indust. engr, Taylorcraft, 45-46; asst. prof, Pa. State, 46-54; chief indust. engr, Carlisle Shoe Co, 54-56; pres, Phila. Casket Co, 56-62; ASSOC. PROF. ENG. & TECH, WESTERN MICHIGAN, 62- Indust. engr. summer consult, Allen Elec. Co, Mich, 62 & N.Y. Airbrake Co, 63; consult, Nat. Water Lift Co, 63-; Int. Furniture Co, Ind, 63. U.S.A.F, 44-46, Sgt. Research, definition and training relative to concepts of acceptable work paces in industry. Address: Dept. of Engineering & Technology, Western Michigan University, Kalamazoo, Mich. 49001.

WATROUS, PROF. BLANCHE G(REENE), b. Cleveland, Tenn, Nov. 21, 09; m. 32; c. 4. ANTHROPOLOGY. B.A. Northwestern, 30, Ph.D.(anthrop), 49. Extern. clin. psychol, N. Shore Health Resort, 49-50; clin. psychologist, Herrick House, 51; clin. psychol. consult, N. Shore Ment. Health Assn, 52-54; psychol. consult, Highland Park Family Serv, 53-54; consult. clin. psychologist proj. tests, 54-57; staff psychologist, Lake County Ment. Health Clin, Waukegan, 57-64; assoc. prof. ANTHROP, EAST CAROLINA, 64-66, PROF,

66-, Nat. Defense Ed. Act grant prog. African studies, 68-70. Lectr, North-western, 61- Fel. Anthropol. Assn. Personality and culture; psychometric testing; study of child in nonliterate societies; Hawaiian Chinese acculturation research. Publ: Co-auth, Culture pattern and adolescent behavior, Int. J. Soc. Psychiat; A thematic apperception test study of Chinese, Hindu and American College students, In: Hsu, clan, caste and club, 63; What is Man?, J. Tenn. State Dent. Assn, 66. Address: 305 Laurel St, Greenville, N.C. 27834.

WATSON, DR. ALFRED N(ELSON), b. Columbus, Ohio, Nov. 22, 10; m. 34; c. 2. STATISTICS, MARKETING. A.B. Ohio State, 31, M.S. 32, Ph.D. 34; LL.B. Franklin, 55. Asst. dir, U.S. Agr. Exp. Sta, P.R. 35-37; Soc. Sci. Res. Coun. fel. statist, London, 37-38; asst. chief statistician, U.S. Census Bur, 38-40; statistician, Curtis Pub. Co, 40-43, asst. dir. res, 43-46, asst. treas, 48-52; mgt. consult, Mass, 52-53; exec. v.pres, Wesleyan Univ. Press, 53-54; attorney-at-law & mgt. consult, Ohio, 55-58; v.pres, Alfred Politz Res, Inc, N.Y. 58-61; mkt. serv, U.S. Rubber Co, 61-63; CORP. ORGN. & FINANCE & PLANNING CONSULT, 63- Pres, Nat. Analysts, 46-53; prof. grad. sch. bus, Columbia, 63-65. U.S.A.A.F, 43-45, Maj. Fel. Statist. Assn.(v.pres, 42); Bar Assn; fel. Opers. Res. Soc.(treas, 52-56); Mkt. Assn. Theory and applied sampling; management and budgetary control of business organizations; tax and estate planning law. Publ: Operations research and financial planning, Series, Am. Mgt. Assn; Operations research and management control, Proc. Nat. Canners Assn. Address: 54 Hereford Rd, Bronxville, N.Y. 10708.

WATSON, DR. ANDREW S(AMUEL), b. Highland Park, Mich, May 2, 20; m. 42; c. 2. PSYCHIATRY. B.S. Michigan, 42; M.D. Temple, 50; M.S. 54. Asst. prof. psychiat, med. sch, Pennsylvania, 54-59, assoc. prof. psychiat. in law, law sch, 55-59; asst. prof. psychiat, MED. SCH. & asst. prof. law, LAW SCH, MICHIGAN, 59-67, PROF. PSYCHIAT. & PROF. LAW, 67- Spec. lectr, sch. soc. work, Bryn Mawr Col, 54-59; Smith Col, 65-66; Robert S. Marx lectr, law sch, Cincinnati, 67. Consult, Mich. Dept. Corrections, 59; Am. Bar Found, 60; psychiat. proj, Temple, 60. Med. Admin.C, 42-46, Res. 46-55, Capt. Fel. Psychiat. Assn; Psychoanal. Assn. Relationships of preventive psychiatry to law and the legal process; legal education, legislation, adjudication and law practice and their impacts on community mental hygiene; theory and treatment of family emotional problems. Address: CPH, University Hospital, Ann Arbor, Mich. 48104.

WATSON, DR. CHARLES G(ORDON), b. Duluth, Minn, Mar. 21, 37; m. 61; c. 2. PSYCHOLOGY. B.A. Carleton Col, 59; M.A. Iowa, 62, Ph.D.(psychol), 64. Psychol. trainee, Knoxville Vet. Admin. Hosp, Iowa, 62-63; PROG. EVAL. STAFF COORDINATOR, ST. CLOUD VET. ADMIN HOSP, 63- Psychol. Assn. Clinical research; thinking disorders; personality disturbances. Publ: interrelationships of six overinclusion measures, 67 & Relationship of distortion to DAP diagnostic, 67, J. Consult. Psychol; co-auth, Psychosomatic aspects of Meniere's disease, Arch. Otolaryngol, 67. Address: Veterans Administration Hospital, St. Cloud, Minn. 56301.

WATSON, DR. CHARLES S(CHOFF), b. Chicago, Ill, Aug. 16, 32; m. 55; c. 2. PSYCHOLOGY. A.B. Indiana, 58, Ph.D.(psychol), 63. Teaching assoc, Indiana, 60-61; asst. prof. psychol, Texas Austin & res. scientist, Defense Res. Lab, 61-65; RES. ASSOC, CENT. INST. DEAF, 65- Res. assoc. psychol, Washington (St. Louis), 67- U.S.N, 51-55. AAAS; Am. Psychol. Assn; Acoustical Soc. Am. Psychophysics; psychoacoustics; rating scales and confidence judgements; vigilance; application of signal detection theory to studies of human performance. Publ: Co-auth, Deafening effects of noise on the cat, Acta Oto-laryngologica, 63; auth, Masking of tones by noise for the cat, 63 & co-auth, Receiver-operating characteristics determined by a mechanical analog to the rating scale, 64, J. Acoustical Soc. Am. Address: Central Institute for the Deaf, 818 S. Euclid, St. Louis, Mo. 63110.

WATSON, PROF. DONALD ARDEL, b. Whiting, Iowa, Sept. 24, 21; m. 43; c. 2. ECONOMICS. B.A. Iowa, 47, M.A. 48, Ph.D. 51. Asst. prof. econ, Coe Col, 51-54, assoc. prof, 54-55; asst. prof. FINANCE, Montana State, 55-56; OREGON, 56-61, assoc. prof, 61-67, PROF. & DIR. BUR. BUS. & ECON. RES, 67- U.S.A.A.F, 42-43. Econ. Assn; Regional Sci. Assn. Regional economic development. Publ: Co-auth, Foreign trade interests in Oregon, U.S. Govt. Printing Off, 59; auth, Changes in Oregon employment, 1947-1960, 61 & co-auth, The Oregon economy: an input-output study, 65, Univ. Oregon. Address: Dept. of Finance, University of Oregon, Eugene, Ore. 97403.

WATSON, DR. DONALD J, b. Schenectady, N.Y, Dec. 28, 21; m. 46; c. 2. ECONOMICS. B.S. Cornell, 43, Ph.D.(agr. econ), 51; M.S. Purdue, 48. Asst. Cornell, 48-50; economist, econ. res. & forecasting oper, GEN. ELEC. CO, 50-62, CONSULT. ED. RELS, 63- U.S.A, 43-46, Capt. Econ. Assn; Statist. Assn; Asn. Bus. Econ. Agricultural economics. Publ: Factors affecting the price of turkeys, Purdue Agr. Exp. Sta. Bull; Financial analysis of fruit and vegetable processing plants, Cornell Exp. Sta. Bull. Address: General Electric Co, P.O. Box 151, Ossining, N.Y. 10562.

WATSON, PROF. DONALD S(TEVENSON), b. Greenwood, B.C, Oct. 28, 09; nat; m. 35; c. 2. ECONOMICS. B.A. British Columbia, 30; Ph.D. California, 35. Instr. ECON, GEORGE WASHINGTON, 35-37, asst. prof, 37-43, assoc. prof, 43-48, PROF, 48-, exec. officer dept, 40-51, 56-60, dir. res. & training officers, U.S. Air Force, 54-56. NASA res. grant, 65-66. Bus. & govt. consult. AAAS; Econ. Assn; Economet. Soc. Modern economics; economic policy; patents. Publ: Economic policy, 60, Price theory and its uses, 63 & 68, & ed, Price theory in action, 65, Houghton. Address: Dept. of Economics, George Washington University, Washington, D.C. 20006.

WATSON, PROF. EDWARD T(HOMSON) P(OWELL), Econ, see 10th ed, Soc. & Behav. Vols.

WATSON, DR. FRANCIS R, b. Cleveland, Ohio, Jan. 20, 28. PSYCHOLOGY, STATISTICS. B.A. Ohio State, 54, M.A. 57, Ph.D.(psychol), 60. Res. statistician, Nationwide Mutual Ins. Cos, Ohio, statist. standards res. mgr, 60; res. assoc. instr. TV, Illinois, 60-62, sr. staff, center zoomoses res, 61-62, res. asst. prof. sociol, 62-64, asst. prof. vet. statist, 63-64; DIR. STATIST, CANCER RES. CENTER, 64-; ASSOC. PROF. COMMUNITY

HEALTH, MISSOURI, COLUMBIA, 66- Dept. of Health, Ed. & Welfare grant, 66-71. AAAS; Statist. Asn; Psychomet. Soc; Biomet. Soc. Automation of statistical analyses through computer programs; psychological and logical problems and methods in research. Publ: A new method for solving simultaneous linear equations associated with multivariate analysis, *Psychometrika*, 3/64; co-auth, Cancer of the colon: the influence of the no-touch isolation technic on survival rates, *Ann. Surg.* 9/67; auth, Statistical methods in cancer research, In: *Cancer of the breast*, Vol. V, Major problems in clinical surgery, Saunders, 67. Address: Cancer Research Center, Columbia, Mo. 65201.

WATSON, PROF. GEOFFREY STUART, Math. Statist, see 11th ed, *Phys. & Biol. Vols.*

WATSON, DEAN GEORGE H(ENRY), b. Chrisman, Ill, Sept. 29, 15; m. 37; c. 4. **POLITICAL SCIENCE.** A.B. Miami (Ohio), 36; Soc. Sci. Res. Coun. fel, 36-38; A.M., Illinois, 37; Ph.D., Chicago, 42. Instr. South. Ill. Norm. Univ., 39-41; res. asst, Fedn. Tax Adminstr., 41-42, res. dir, 42, acting exec. dir, 42-44, exec. dir, 44-45; assoc. prof. **POLIT. SCI.** ROOSEVELT, 46-48, PROF, 48-, **DEAN COL. ARTS & SCI.** 67-, chmn. dept. polit. sci, 46-50, 51-53, 55-57, dean students, 57-63, 65-67, dir. grad. progs. pub. admin. & urban studies, 63-67. Fund Adv. Ed. faculty fel, 53-54; lectr, Northwestern, 55-56. Consult, Pub. Admin. Serv., 44-45; Civil Aeronaut. Bd., 44-45; Coun. State Govts., 45-46; city expenditures cmt, Chicago, 52-53; Pub. Personnel Asn, 67. Mem., Univ.-State Agency Coun, Ill, 65-; faculty adv. cmt, Ill. Bd. Higher Ed, 65-; Adv. Cmn. on Labor-Mgt. Rels. in Pub. Serv, Ill, 66-87; Citizen's Cmt. on Cook County Govt, 67- AAAS; Soc. Pub. Admin; Polit. Sci. Asn; Asn. Higher Ed. Public administration; federalism; state government; humane and responsible bureaucracy theory and practice. Address: 5132 Woodlawn Ave, Chicago, Ill. 60615.

WATSON, PROF. GLADYS HIPPLE, Ed. Psychol, see 10th ed, *Soc. & Behav. Vols.*

WATSON, PROF. GOODWIN, b. Whitewater, Wis, July 9, 99; m. 23, 46; c. 6. **SOCIAL PSYCHOLOGY.** A.B., Wisconsin, 20; M.A., Columbia, 23, Ph.D.(ed. psychol), 25. Instr. ed. psychol, **TEACHERS COL. COLUMBIA**, 25-26, asst. prof. ED. 26-29, assoc. prof., 29-35, prof. & dir. inst. group psychother., 35-63, **EMER. PROF.** 63- Dir. res. nat. coun, YMCA, 25-31; chief analyst, for broadcast intel. serv. Fed. Commun. Cmn, 41-43; distinguished serv. prof., Newark State Col, 63-; dir., Lab. Appl. Behav. Sci., 63- Ed, J. Appl. Behav. Sci., 65- U.S.N., 17-19. Psychol. Asn. Personality; group psychotherapy; social change; management training and consultation. Publ: Social psychology: issues and insights, Lippincott, 66; ed, Concepts for social change, 67 & Change in school systems, 67, *Inst. Appl. Behav. Sci., Nat. Ed. Asn.* Address: Kirby Lane N.Ye, N.Y. 10580.

WATSON, PROF. JAMES B(ENNETT), b. Chicago, Ill, Aug. 10, 18; m. 43; c. 2. **ANTHROPOLOGY.** A.B., Chicago, 41, A.M., 45, Ph.D.(anthrop), 48; U.S. Dept. State exchange fel, Brazil, 43-44. Asst. prof. **ANTHROP.** São Paulo, 44-45; Beloit Col, 45-46; assoc. prof. Oklahoma, 46-47; Washington (St. Louis), 47-55; PROF, **WASHINGTON (SEATTLE)**, 55-, exec. officer dept, 55-60. Ford Found. fel, New Guinea, 53-55; Nat. Sci. Found. res. grant, New Guinea Highlands, 60- Ad hoc consult. econ. develop. West Irian, UN Develop. Prog, summer, 67. Mem. Intensive Inst. Spanish & Portuguese, Am. Coun. Learned Soc., 42. AAAS; fel. Anthropol. Asn; Ethnol. Soc; Soc. Appl. Anthropol; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland; Polynesian Soc. Social and cultural anthropology; ethnology of Oceania, especially Melanesia; Latin American cultures, especially Brazilian; acculturation. Publ: Cayua culture change, *Am. Anthropol.* ed, New Guinea: the central highlands, *Am. Anthropol. Asn.* 64; auth, From hunting to horticulture in the New Guinea Highlands, In: *Ethnology*, IV: 295-309. Address: Dept. of Anthropology, University of Washington, Seattle, Wash. 98105.

WATSON, PROF. J(AMES) WREFORD, b. China, Feb. 8, 15; nat. Can; m. 39. **GEOGRAPHY.** M.A., Edinburgh, 36; Ph.D.(geog.), Toronto, 45. Lectr geog, McMaster, 39-41, asst. prof., 41-43, assoc. prof., 43-45, prof., 45-49; dir. fed. geog. br, Can. Dept. Mines & Surv, 49-54; **PROF. GEOG.** EDINBURGH, 54- Asn. Am. Geog; Am. Geog. Soc; fel. Royal Soc. Can; Can. Geog. Soc; fel. Royal Soc. Edinburgh; fel. Royal Geog. Soc; Royal Scottish Geog. Soc. (silver medal, award of merit). Settlement and population of North America; urban geography and sociology. Publ: General geography; North America: its countries & regions; Canada-problems & prospects, Longman's Can, 68. Address: Dept. of Geography, University of Edinburgh, High School Yards, Edinburgh, Scotland.

WATSON, PROF. J(ESSE) P(AUL), b. Oakdale, La, Apr. 7, 96; m. 27, 41; c. 2. **ECONOMICS.** A.B., Texas, 22, A.M., 24; Ph.D.(econ, govt), Brookings Inst, 29. Mem. staff, Ohio Inst, 26-30; asst. dir. bur. bus. res, PITTSBURGH, 30-38, acting dir, 39-42, dir, 42-54, prof. **ECON.** 30-67, **EMER. PROF.** 67- Consult, Nat. Resources Planning Bd, 38-40. U.S.A., 17-19, Sgt. Econ. Asn. Public finance and fiscal policy; distribution of income. Publ: Soundings in the general property tax system in Ohio; The city real estate tax in Pittsburgh; Economic backgrounds of the relief problem. Address: 615 Center Ave, Pittsburgh, Pa. 15215.

WATSON, PROF. JEWELL, b. Nickel, La, Feb. 20, 20; m. 57. **BUSINESS ADMINISTRATION.** B.S., Northwest State Col.(La), 46; M.Ed., La. State, 51; South. Fel. Fund fel, Indiana, 61-62, Ed.D.(bus. ed, bus. admin. & econ), 63. Teacher, high schs, La, 46-54; asst. prof. bus. Northwest State Col.(La), 54-55; asst. prof. **BUS. ADMIN.** NORTHEAST. LA. STATE COL, 55-64, assoc. prof., 64-67, **PROF.** 67- Life Ins. Agency Mgt. Orientation fel, home off, Am. Nat. Ins. Co, 66. U.S.A., 42-46, M/Sgt. Business education; buyer understanding of life insurance; business teacher improvement and education; improvement of consumer understandings of business and economics. Address: Northeast Louisiana State College, Monroe, La. 71201.

WATSON, PROF. JOHN HENRY, b. Fultz, Ky, May 21, 15; m. 54; c. 4. **SOCIOLOGY.** B.S.S., Morehead State, 52; M.S.S., Miss. State, 58, M.A., 61, Ph.D.(sociol), 63. Asst. prof. air sci, Miss. State, 55-60, instr. sociol, 60-63; asst. prof. Western Kentucky, 62-64, assoc. prof., 64-65, prof. & head

dept, 65-67; **THOMAS L. BAILEY PROF. SOCIOL. & HEAD DEPT. SOCIOL. & ANTHROP.** MISS. STATE, 67- Nat. Sci. Found. res. grant, Colorado, summer 64. U.S.A., 38-39; U.S.A.F., 41-60, Lt. Col. Sociol. Asn. Social gerontology and adjustments to retirement. Publ: Adjustments of United States Air Force retirees, *Air Force Times*, 5/61; Social and occupational adjustments of United States Air Force retired officers, *Retired Officer*, 8-9/62. Address: Dept. of Sociology & Anthropology, Mississippi State University, P.O. Drawer C, State College, Miss. 39762.

WATSON, PROF. LINVILL, b. Philadelphia, Pa, Dec. 16, 18; m. 49. **CULTURAL ANTHROPOLOGY.** A.B., Pennsylvania, 39, Harrison fel, 42-43, Ph.D.(anthrop), 53. Instr. sociol, Pa. State Col, 43-45; asst. African Studies, univ. mus, Pennsylvania, 45-46, 47-48, instr. sociol, univ, 46; anthrop, Minnesota, 46-47; sociol. & anthrop, Boston, 48-51; asst. prof. Col. William & Mary, 53-54; sociol, overseas prog, Maryland, 54-59; res. assoc. anthrop, for. areas studies div, American Univ, 60-61; asst. prof. Carnegie Inst. Tech, 61-63; **ASSOC. PROF.** Lafayette Col, 63-66; **SOCIOL.** SASKATCHEWAN, 66- Fel. Am. Anthropol. Asn; fel. Am. Sociol. Asn; Am. Ethnol. Soc; fel. African Studies Asn; Int. African Inst; Can. Sociol. & Anthropol. Asn. Ethnology of Africa, Near East and North America; comparative study of board games; social structure; ethnic relations; culture change. Publ: Co-auth, Area handbook for Nigeria, Govt. Printing Off, Wash, D.C. 61. Address: Dept. of Sociology, University of Saskatchewan, Saskatoon, Sask, Can.

WATSON, DR. LUKE S, JR, b. Athens, Ga, Oct. 9, 31; m. 55; c. 1. **PSYCHOLOGY.** B.S., Georgia, 59; M.A., Ohio State, 62, Ph.D.(psychol), 66. **ASST. PROF. PSYCHOL.** CASE WESTERN RESERVE, 66- Res. psychologist, Columbus State Sch, Ohio, 63-67, consult, 67-68; Nat. Insts. Health res. grants, 64-67, 68-69; Nat. Inst. Ment. Health res. grant, 68-69. U.S.A.F., 50-54, S/Sgt. Asn. Adv. Behav. Ther; Psychol. Asn; Asn. Ment. Deficiency. Learning; motivation; operant conditioning; behavior modification; mental retardation. Publ: Application of operant conditioning techniques to institutionalized severely and profoundly mental retardates, *Ment. Retardation Abstracts*, 67; Primary reinforcement preferences of severely retarded children in a generalized reinforcement context, *Am. J. Ment. Deficiency*, 68; Application of behavior-shaping devices to training severely and profoundly mentally retarded children in an institutional setting, *Ment. Retardation*, 68. Address: Dept. of Psychology, Case Western Reserve University, Cleveland, Ohio 44106.

WATSON, DR. NELSON A(ZER), b. Nesquehoning, Pa, Sept. 18, 10; m. 32; c. 1. **SOCIAL PSYCHOLOGY, CRIMINOLOGY.** B.S., Ithaca Col, 31; A.B., Syracuse, 35; M.A., N.Y. Univ, 40; Ph.D.(psychol), American Univ, 67. Teacher, pub. schs, N.Y., 31-42; spec. agent, Fed. Bur. Invest, 42-62; res. consult. juvenile delinquency, INT. ASN. CHIEFS POLICE, 62-66, **ASST. DIR. RES. & DEVELOP.** 66- Mem. faculty, Fed. Bur. Invest. Nat. Acad, 49-62; mem. vis. faculty, sch. police admin, Mich. State, 64-, mem. Nat. Adv. Coun. Police & Community Rels, 66-; lectr, American Univ, 65-66. Consult, U.S. Conf. Mayors, 66. Soc. Psychol. Study Social Issues; Psychol. Asn. Police training and research. Publ: Co-auth, Juvenile delinquency and youth crime: the police role, 64 & auth, Police-community relations, 67, *Int. Asn. Chiefs Police.* Address: 3326 Longbranch Dr, Falls Church, Va. 22041.

WATSON, DR. PATTY JO, b. Superior, Nebr, Apr. 26, 32; m. 55; c. 1. **ANTHROPOLOGY, ARCHAEOLOGY.** M.A., Chicago, 56, Ph.D.(anthrop), 59; Nat. Sci. Found. fel, Michigan, 57-58; Nat. Sci. Found. fel, Minnesota, 58-59. Asst. archaeol, Oriental Inst, Univ. Chicago, 54-55, Nat. Sci. Found. fel. archaeologist & ethnographer, 59-60, res. assoc. archaeol, 63 & 67; instr. anthrop, California, Los Angeles, Southern California & Los Angeles State Col, 61; proj. assoc. anthrop. curriculum study proj, Am. Anthropol. Asn, 65-67; **ASST. PROF. ANTHROP.** WASHINGTON (ST. LOUIS), 69- Summers, lectr, Michigan, 62 & 63, field dir. Salts Cave Archaeol. Proj, Ill. State Mus. & Cave Res. Found, 63. Anthropol. Asn; Soc. Am. Archaeol; Am. Schs. Oriental Res. Prehistoric archaeology; prehistory of the Near East, especially the origins of food-production; human evolution; Old World prehistory; beginnings of food-production in Pre-Columbian Eastern United States; Near Eastern ethnology. Publ: The chronology of Northern Syria and Northern Mesopotamia from 10,000 B.C. to 2000 B.C. In: *Chronologies in Old World archaeology*, Univ. Chicago, 65; co-auth, Archaeological and paleoethnobotanical investigations in Salts Cave, Mammoth Cave National Park, Kentucky, *Am. Antiquity*, 66; auth, Clues to Iranian prehistory in modern village life, *Expedition*, 66. Address: Dept. of Anthropology, Washington University, St. Louis, Mo. 63130.

WATSON, PROF. RICHARD ABERNETHY, b. Greensburg, Pa, Nov. 20, 23; m. 54; c. 1. **POLITICAL SCIENCE.** A.B., Bucknell, 48; LL.B., Michigan, 51, fel, 54-56, Ph.D., 59. Law assoc, Tiptit, Haskell & Welborn, Colo, 52-54; res. assoc. Cleveland Metrop. Serv. Cmn, 57-59; asst. prof. polit. sci. & assoc. dir. bur. govt. res, MISSOURI, COLUMBIA, 59-61, from assoc. prof. to **PROF. POLIT. SCI.** 61- Fel, Center Adv. Study Behav. Sci, 65-66. U.S.A.A.F., 43-45, 2nd Lt. Polit. Sci. Asn. Political parties, pressure groups and voting behavior; law enforcement process and civil liberties; metropolitan government. Publ: Metropolitan government for metropolitan Cleveland: an analysis of the voting record, *Midwest J. Polit.* Lawyer attitudes on judicial solution, *Am. J. Sociol.* 1/67; Bar politics, judicial selection and the representation of social interests, *Am. Polit. Sci. Rev.* 3/67. Address: Dept. of Political Science, University of Missouri, Columbia, Mo. 65201.

WATSON, DR. ROBERT DUANE, *Indust. Psychol*, see 10th ed, *Soc. & Behav. Vols.*

WATSON, PROF. ROBERT I(RVING), b. East Orange, N.J., May 10, 09; m. 35; c. 1. **PSYCHOLOGY.** A.B., Dana Col, 33; A.M., Columbia, 35, Ph.D.(psychol), 38. Instr. psychol, Newark, 33-38; asst. prof. & head dept, south. br, Idaho, 38-41; instr. student personnel bur, City Col. New York, 41-42; asst. prof. & head bur. measurement & guld, Carnegie Inst. Tech, 46-47; asst. dean & assoc. prof. med. psychol, sch. med, Washington (St. Louis), 47-53; **PROF. PSYCHOL.** Northwestern, 53-67; **NEW HAMPSHIRE**, 67- Consult, Vet. Admin, 47-67. Ed, *J. Hist. Behav. Sci.* 65- U.S.N.R., 42-46, Lt. Comdr. Fel. Psychol. Asn; fel. Orthopsychiat. Asn. History; theory; psychology of

- science. Publ: Co-ed, History, psychology and science: selected papers of Edwin G. Boring, 63 & auth, Psychology of the child, 65, Wiley; The great psychologists, Lippincott, 68. Address: Dept. of Psychology, Conant Hall, University of New Hampshire, Durham, N.H. 03824.
- WATSON, DR. ROY ERNEST LOVE**, b. St. Catharines, Ont, Sept. 5, 25; m. 50; c. 3. **SOCIOLOGY**. B.A, Victoria Col, Toronto, 48; M.A. Toronto, 49, Ph.D.(sociol), 60. Lectr. sociol. Acadia, 49-51, asst. prof. 51-54, assoc. prof. 56-57; instr. dept. polit. econ, Toronto, 54-55, res. assoc. 55-56; asst. prof. **SOCIOL. & ANTHROP.** VICTORIA COL.(B.C.), 57-60, **ASSOC. PROF.**, 60-, **CHMN. DEPT.**, 63- Fel. Am. Sociol. Asn; Can. Econ. Asn; Can. Sociol. & Anthropol. Asn. Sociology of occupations; formal organizations. Address: Dept. of Anthropology & Sociology, Box 1700, University of Victoria, Victoria, B.C., Can.
- WATSON, DR. VIRGINIA**, b. Tomah, Wis, June 17, 18; m. 43; c. 2. **ANTHROPOLOGY**. Ph.B, Wisconsin, 40; São Paulo, 43; A.M. Chicago, 43, Ph.D. (anthrop), 65. Clerk cultural rels, Am. Consulate Gen, Brazil, 46-47; lectr. **ANTHROP.**, Seattle, 59-63; **VIS. LECTR.**, WASHINGTON (SEATTLE), 68. Fel. Anthropol. Asn; Soc. Am. Archaeol. Socio-cultural anthropology; Brazil; New Guinea. Publ: The Wulping plates, Washington Univ, 50; Optima focus of panhandle aspect, Bull. Texas Paleont. & Archaeol. Soc. 50; Pottery in east highlands of New Guinea, Southwest. J. Anthropol., 55. Address: 2610 E. Interlaken Blvd, Seattle, Wash. 98102.
- WATSON, DR. WALTER B(INGHAM)**, b. Dallas, Tex, Mar. 11, 32; m. 55. **DEMOGRAPHY, SOCIOLOGY**. B.A, Southern Methodist, 53; M.S. Wisconsin, 54, Pop. Coun. fcls, 56-58, Ph.D.(sociol), 59. Asst. prof. sociol, Washington (Seattle), 58-65; assoc. prof, Alberta, 65-67; **STAFF ASSOC.**, **DEMOG. DIV.**, **POP. COUN.**, 67- Pop. Asn; Sociol. Asn; Statist. Asn; Rural Sociol. Soc; Soc. Study Social Probs. Evaluation of national family planning programs and postpartum contraceptive programs; studies of knowledge, attitudes and practice of family planning; fertility and fertility change; migration; social stratification; negro population. Publ: Co-auth; Changing negro-white relations in the U.S: an analysis and interpretation, Sociologiske Meddeleser, 64; Questionable assumptions in the theory of social stratification, Pac. Sociol. Rev, spring 64; Social stratification and the family in mass society, Soc. Forces, 3/67. Address: Population Council Inc, 245 Park Ave, New York, N.Y. 10017.
- WATSON, WALTER S(AMUEL)**, b. Whitewater, Wis, May 28, 05; m. 34, 67; c. 2. **APPLIED PSYCHOLOGY**. Ph.B, Wisconsin, 27, M.A, 37; Columbia, 37-39. Asst. dir, astrophys. observ, Smithsonian Institution, Chile, 31-33, Calif, 33-36; **DIR. ADMISSIONS, COOPER UNION**, 39-, **REGISTR.**, 56- Asst, U.S. Navy, Harvard, 44. Measurement of solar radiation and radiant heat of ships; design of engineering and art aptitude tests. Address: Cooper Union, Cooper Square, New York, N.Y. 10003.
- WATSON, PROF. WALTER T(HOMPSON)**, Sociol, see 10th ed, Soc. & Behav. Vols, deceased 67.
- WATSON, PROF. WILLIAM**, b. Dunbartonshire, Scotland, Jan. 5, 17; m. 48; c. 3. **SOCIAL ANTHROPOLOGY, SOCIOLOGY**. B.A, Cambridge, 47, M.Sc., 49; Ph.D.(soc. anthrop), Manchester, 52. Med. Res. Coun. res. fel. soc. anthrop, Jesus Col, Cambridge, 47-49; res. fel, Rhodes-Livingstone Inst. Soc. Res, N.Rhodesia, 50-55; lectr. sociol, Manchester, 56-58, sr. lectr. 58-63; **PROF. SOCIOL. & ANTHROP.** VIRGINIA, 63- Consult. sociologist, soc. med. res. unit, Med. Res. Coun, U.K, 58-63. Dir, urban res. prog, Univ. Manchester, 59-63; mem. youth serv. develop. coun, Ministry Ed, U.K, 60-63. R.A.F., 39-45, Flight Lt. Am. Sociol. Asn; African Studies Asn; Brit. Sociol. Asn; Brit. Asn. Social Anthropol. African Studies Asn. U.K; Int. Inst. Differing Civilizations; Int. African Inst. African social systems; sociological theory; urban anthropology. Publ: The youth service in Britain, UNESCO, 62; co-auth, Sociology in medicine, Oxford Univ, 62; auth, Tribal cohesion in a money economy, Univ. Manchester, 58. Address: Dept. of Sociology & Anthropology, University of Virginia, Cabell Hall, Charlottesville, Va. 22903.
- WATSON, DR. WILLIAM A(THUR)**, b. Chicago, Ill, Oct. 31, 29. **EXPERIMENTAL PSYCHOLOGY**. B.A, Albion Col, 51; M.A. Michigan, 52, Ph.D. (psychol), 56. Asst. soc. scientist, Rand Corp, 57-58; human factors scientist, Syst. Develop. Corp, 59-64; **MEM. TECH. STAFF, BUNKER-RAMO CORP.**, 64- Psychol. Asn; Human Factors Soc. Effects of class membership on the perceived properties of stimuli; integration of displays and decisions in command control systems; system training. Publ: Aiding the input operation in automated message systems, Bunker-Ramo Corp, 64; Data plot: a system for on-line graphical display of statistical data, Info. Display, 7-8/67; Constrast assimilation and the effect of central tendency, Am. J. Psychol. Address: Albert Schweitzerstrasse 11, Ofersheim, Germany.
- WATTEL, DEAN HAROLD L(QUIS)**, b. Brooklyn, N.Y., Sept. 30, 21; m. 46; c. 2. **ECONOMICS**. B.A, Queens Col.(N.Y.), 42; M.A. Columbia, 47; Found. Econ. Ed. exchange fel, 49; Hazen Found. fel, 52; Ph.D. New Sch. Soc. Res, 54. Economist, U.S. Dept. Agr, 46; instr. econ, HOFSTRA, 47-54, asst. prof. 54-58, assoc. prof. 58-61, chmn. dept, 50-61, **PROF. ECON. & CHMN. DIV. BUS.**, 61-, **DEAN SCH. BUS.**, 65- Dir, Consumer Farmer Milk Coop, Inc. Consult, Boni, Watkins & Mounteer, 52; Consumer counsel to Gov. Harriman, N.Y., 55-56; consult, Nat. Millinery Planning Bd, 59-; Am. Can. Co. & legis. ref. bur, Univ. Hawaii, 65-; Ralston Purina Co, 67; Schenley Indus, Inc, 67-; mem, Nassau County Adv. Cmt. Consumer Protection. U.S.N., 42-46, Lt. Econ. Asn. Managerial and consumer economics; labor and social security. Publ: Auth, Resale price maintenance in the liquor industry, N.Y. State Moreland Cmn, 63; ed, The dissemination of new business techniques, 64 & Proxy fights as managerial revolutions, 66, In: Hofstra Univ. Yearbook Bus. Address: 181 Shepherd Lane, Roslyn Heights, N.Y. 11577.
- WATTENBERG, PROF. WILLIAM W(OLFF)**, b. New York, N.Y., Jan. 5, 11; m. 42; c. 2. **EDUCATIONAL PSYCHOLOGY**. B.S, City Col. New York, 30; A.M. Columbia, 32, Ph.D.(ed. psychol), 36. Asst, Lincoln Sch. Teachers Col, Columbia, 30-32; instr. ED. PSYCHOL, Northwestern, 36-38; teacher, Chicago Teachers Col, 38-46; **PROF. WAYNE STATE**, 46-; **ASSOC. SUPT.**, **DETROIT PUB. SCHO.**, 65- Consult, ment. health cmt, Detroit Bd. Ed, 60-; ed. consult, Mich. Soc. Ment. Health, 47-; res. consult, youth bur, Detroit Police Dept, 46- U.S.A., 41-45, Maj. Psychol. Asn; Sociol. Asn; Soc. Res. Child Develop; Ed. Res. Asn; Nat. Coun. Crime & Delinquency. Juvenile delinquency; self-concept of children; alcoholism; mental hygiene. Publ: The adolescent years; co-auth, Mental hygiene in teaching; Deviancy among youth, Nat. Soc. Study Ed, 67. Address: 20220 Murray Hill, Detroit, Mich. 48235.
- WATTERS, PROF. ELSIE M(ARIE)**, b. Haynesville, La, Sept. 30, 20. **PUBLIC FINANCE**. B.S, La. State, 41, M.B.A., 45; Ph.D.(bus. econ), Texas, 53. Asst. to dean, sch. bus. admin, Tulane, 49-54, asst. prof. statist, 53-57, asst. to v.pres, 54-56, assoc. prof. statist, 58-62; **DIR. STATE-LOCAL RES.** **PUB. FINANCE, TAX FOUND.**, INC, 62- Statist. Asn; Econ. Asn; Govt. Res. Asn. Publ: Income estimates for Louisiana Parishes, 1939 and 1943; The economic potential of the New Orleans area, 1956-1970, Tulane Soc. Econ, 58; Fiscal outlook for state and local government to 1975, Tax Found, Inc, 66. Address: Tax Foundation, Inc, 50 Rockefeller Plaza, New York, N.Y. 10020.
- WATTLES, PROF. MARSHALL D(RAPER)**, b. Shanon Co, Mo, Dec. 15, 15; m. 46; c. 4. **ECONOMICS**. B.A, Southwest Mo. State Col, 38; M.A. Missouri, 41; Ph.D. Ohio State, 50. Instr. **ECON.**, Ohio State, 46-50; assoc. prof. **OREGON**, 50-62, **PROF.**, 62-, **ASSOC. DEAN FACULTIES**, 67- Adv. Econ. Develop. Coun, Repub. Korea, 59-61; sr. res. economist, UNESCO, Paris, 65-66. U.S.N., 41-46, Lt. Econ. Asn. United States foreign investments and international lumber trade. Publ: A note on the investment climate in Venezuela, Am. J. Econ. & Sociol; Observations on foreign trade in lumber, J. Land Econ; South Korea's balance of payments problems, Far East. Surv. Address: Johnson Hall, University of Oregon, Eugene, Ore. 97403.
- WATTS, DR. DAVID**, b. Chapel en le Firth, Eng, June 14, 35; m. 61. **GEOGRAPHY**. B.A, London, 56; M.A. California, 59; Can. Coun. fel, McGill, 61, Ph.D.(geog), 63. Asst. **GEOG.**, California, 56-59, McGill, 59-61; asst. prof. Cent. Wash. State Col, 61-62; **LECTR.**, Univ. Col. Swansea, 62-63; **HULL**, 63-, univ. summer grant, 65, Leverhulme summer fel, 66. Asst, Bellairs Res. Inst, B.W.I., 60; summer lectr, Ottawa, 67 & McGill, 68. Asn. Am. Geog. Inst. Brit. Geog. Geography of the Caribbean; vegetation geography; evapotranspiration. Publ: Evapotranspiration studies at Knob Lake, 1957, 1958 and 1959, McGill, 60; co-auth, Two studies in Barbadian Climatology, McGill, 66; auth, Man's influence on the vegetation of Barbados, Univ. Hull, 66. Address: Dept. of Geography, University of Hull, East Yorkshire, Eng.
- WATTS, PROF. HAROLD WESLEY**, b. Salem, Ore, Sept. 30, 32; m. 51; c. 4. **ECONOMICS, STATISTICS**. B.A, Oregon, 54; M.A. Yale, 55, Overbrook & univ. fcls, 55-57, Ph.D.(econ), 57. Instr. econ, Yale, 57-58, asst. prof. 58-62, assoc. prof. 62-63, asst. dir, Cowles Found. Res, 58-61; assoc. prof. econ, **WISCONSIN**, 63-66, **PROF. ECON. & DIR. INST. RES. POVERTY**, 66- Soc. Sci. Res. Coun. res. training fel, 61-62. Consult, Rand Corp, 59-; Inter-Univ. Exec. Bd, Surv. Res. Center, 61- Mem. exec. cmt. conf. income & wealth, Nat. Bur. Econ. Res, 67- Economet. Soc. Econometric methods; substantive and methodological research in household saving behavior, investment and portfolio choice and work-leisure choice; measurement of social welfare; social experimentation. Publ: Long-run income expectations and consumer saving, In: Studies in household economic behavior, Yale, 58; The iso-prop index: an approach to the determination of differential poverty thresholds, J. Human Resources, winter 67; The measurement of poverty: an exploratory exercise, Proc. Am. Sociol. Asn, 12/67. Address: Institute for Research on Poverty, University of Wisconsin, Madison, Wis. 53705.
- WATTS, MARGARET L(ANG)**, b. Sterling, N.Dak, May 29, 15; m. 46. **STATISTICS**. B.S, Jamestown Col, 34. **DIR. DIV. VITAL STATIST.**, **STATE DEPT. HEALTH**, N.DAK, 37- W.A.V.E.S., 44-46, Lt.(jg). Statist. Asn; Pub. Health Asn; Asn. Vital Records & Pub. Health Statist.(secy-treas, 60-). Public health statistics. Address: State Dept. of Health, Bismarck, N.Dak. 58501.
- WATTS, DR. MEREDITH WAYNE, JR.**, b. Bloomington, Ill, Apr. 14, 41. **POLITICAL SCIENCE**. B.A, Lawrence, 62; Northern Illinois, 62-63; M.A. Northwestern, 64, Ph.D.(polit. sci), 66; Michigan, summer 64. **ASST. PROF. POLIT. SCI.**, **WISCONSIN, MILWAUKEE**, 66- Instr, Air Univ, 67- U.S.A.F., 67-68, Lt. Legislative behavior; empirical theory; research design and analysis. Publ: Co-auth, Legislative roll call analysis, Northwestern, 66 & State legislative systems, Prentice-Hall, 68; auth, Three computer programs for the analysis of legislative voting, Behav. Sci, 67. Address: Dept. of Political Science, University of Wisconsin, Milwaukee, Wis. 53211.
- WATTS, DR. RONALD L(AMPMAN)**, b. Karuizawa, Japan, Mar. 10, 29; Can. citizen; m. 54. **POLITICAL SCIENCE**. B.A, Trinity Col.(Ont), 52; Rhodes scholar, & B.A, Oxford, 55, M.A., 59, Can. Coun. fel. & D.Phil.(polit. sci), 63. Lectr. polit. philos, **QUEEN'S (ONT)**, 55-59, asst. prof. 61-62, **POLIT. SCI.**, 62-63, assoc. prof. 63-65, **PROF.**, 65-, **ASSOC. DEAN ARTS & SCI.**, 66-, asst. dean, 64-66. Can. Coun. sr. fel, 67-68. Can. Polit. Sci. Asn. Comparative study of federal systems in both developed and developing areas; political theory. Publ: New federations: experiments in the commonwealth, Clarendon Press, Oxford, 66; Multi-cultural societies and federalism, Queen's Printer, Ottawa, 68; Recent trends in federal economic policy and finance in the commonwealth, In: Public policy, Vol. XIV, Harvard, 65. Address: Dept. of Political Studies, Queen's University, Kingston, Ont, Can.
- WATTS, DR. STEIGHTON A(THUR)**, JR, b. Sarasota, Fla, m. 52. **POLITICAL SCIENCE, COMPARATIVE GOVERNMENT**. B.A, Pa. State, 52, M.A., 54; Ph.D. Mich. State, 60. **ASST. PROF. POLIT. SCI.**, **CONNECTICUT**, 60- Polit. Sci. Asn. Publ: Contrib, International programs of American universities. Address: Dept. of Political Science, University of Connecticut, Storrs, Conn. 06268.
- WATTS, DR. THOMAS M**, b. Detroit, Mich, Apr. 2, 28; m. 63. **POLITICAL SCIENCE**. A.B, Albion Col, 51; M.A. Indiana, 62, Ph.D.(polit. sci), 64. Lectr. **POLIT. SCI.**, Indiana, 62-63; **ASST. PROF.**, **PENNSYLVANIA**, 63-

U.S.A., 46-47. Polit. Sci. Assn; Acad. Polit. & Soc. Sci. Comparative local government; political recruitment. Publ: Application of the attribution model to study of political recruitment. In: Approaches to study of political parties, Allyn & Bacon, 68; co-auth, Values, leadership and development, Soc. Sci. Info, 4/68. Address: Dept. of Political Science, University of Pennsylvania, Philadelphia, Pa. 19104.

WATTS, DR. V(ERVON) ORVAL, b. Chesley, Ont, Mar. 25, 98; nat; m. 24, 49; c. 3. ECONOMICS. B.A. Manitoba, 18; A.M. Harvard, 23, Ph.D.(econ), 32. Instr. econ. & sociol, Clark, 24-26; Harvard, 27-29; lectr. sociol, Wellesley Col, 29-30; assoc. prof. econ, Antioch Col, 30-36; Carleton Col, 36-39; econ. counsel, Los Angeles Chamber of Commerce, 39-46; ed. dir. econ. Found. for Econ. Ed, 46-49; econ. consult, South. Calif. Edison Co, 49-63; DIR. ECON. ED, NORTHWOOD INST, 63- Vis. prof, Claremont Coll, 49-51; Pepperdine Col, 61- Econ. consult, Pac. Mutual Life Ins. Co, 49-52. Mem. Econ. Nat. Cmt. Monetary Policy, 50. Econ. Assn. Monetary theory and history; history of socialist thought; political theory. Publ: Union monopoly; United Nations, planned tyranny; co-auth, Free markets or famine, Pendell, 67. Address: Northwood Institute, Midland, Mich. 48640.

WATTS, DR. WILLIAM T, b. Stockton, Calif, Jan. 12, 29; m. 64; c. 2. PSYCHOLOGY. A.B. San Jose State Col, 52; M.S. Ohio, 53; U.S. Pub. Health Serv. fel, California, 58; Los Angeles, 58-60, Ph.D.(psychol), 68. Probn. officer, Santa Clara County Juvenile Prob. Dept, 54-56; res. asst. psychol, California, Los Angeles, 62-68; staff psychologist, CLIN. PSYCHOL. PATTON STATE HOSP, 59-67, SR. PSYCHOLOGIST, 68- U.S.M.C., 46-48. Psychopathology of schizophrenia; semantic conditioning and generalization; physiological correlates of the orienting and defensive reflexes. Address: 864 W. Edgemoor Rd, San Bernardino, Calif. 92405.

WATZMAN, PROF. NATHAN, Pharmacol, Physiol, see 11th ed, Phys. & Biol. Vols.

WAUCHOPE, PROF. ROBERT, b. Columbia, S.C., Dec. 10, 09; m. 41; c. 2. ANTHROPOLOGY. A.B. South Carolina, 31, hon. LL.D., 60; A.M. Harvard, 33, Ph.D.(anthrop), 42. Asst. prof. anthrop, Georgia & dir. Ga. Archaeol. Surv, 38-40; assoc. prof. anthrop. & dir. lab, North Carolina, 40-42; DIR. MID. AM. RES. INST. & PROF. ANTHROP, TULANE, 42- Phi Beta Kappa vis. lectr, 66-67. Summers, vis. prof, North Carolina, Utah, Minnesota & Michigan, 51-55; consult, Nat. Res. Coun, 43-53, 59; Nat. Sci. Found, 58-61. Ed. Mid. Am. Res. Pubs, 11-33. Mem. Fulbright Selections Cmt, 55-60; Andean Res. Inst, 58-; adv. bd, Handbook Latin Am. Studies, Hispanic Found, 58-, chmn, 65- Mem. exped. Andover-Pecos, N.Mex, 27; archaeol. & ethnog. expeds. to Uaxactun, Guatemala, Carnegie Inst, 32; Yucatan, Campeche, Quintana Roo & Guatemala, 34, Zacualpa, Guatemala, 35-47, Kaminaljuyu, 36. U.S.N.R., 42-46; Lt. Bronze Star Medal. Soc. Am. Archaeol.(pres, 55). Archaeology and ethnography of Maya area and the southeast United States; administration of multi-discipline research in Middle America. Publ: Ed, Handbook of Middle American Indians, 13 Vols; auth, Modern Maya houses, Carnegie, 38; Archaeological survey of Northern Georgia, Soc. Am. Archaeol, 65. Address: Middle American Research Institute, Tulane University, New Orleans, La. 70118.

WAUGH, PROVOST ALBERT E(DMUND), b. Amherst, Mass, Sept. 28, 02; m. 26; c. 3. ECONOMICS, STATISTICS. B.S. Mass. Agr. Col, 24; Columbia, 25; M.S. Conn. Agr. Col, 26; Chicago, 31-32, 42-43. Instr. ECON, CON-NECTICUT, 24-28, asst. prof, 28-32, assoc. prof, 32-37, prof, 37-66, head dept, 39-45, dean col. arts & sci, 45-50, provost, 50-66, EMER. PROVOST & EMER. PROF, 66- Trustee, Norwich State Hosp, 44-50; Windham Community Mem. Hosp, 44- AAAS; Econ. Assn; Economet Soc; Meteorol. Soc; Statist. Assn. Economic theory; statistical method; distribution of personal incomes. Publ: Elements of statistical method; Principles of economics; Statistical tables and problems. Address: 12 Willowbrook Rd, Storrs, Conn. 06268.

WAUGH, DR. DOROTHY E(LIZABETH), b. West Plains, Mo, Feb. 11, 25; m. 63; c. 2. PSYCHOLOGY. B.A. California, Los Angeles, 47; M.A. Iowa, 50; Ph.D.(psychol), American Univ, 62. RES. PSYCHOLOGIST, U.S. DEPT. DEFENSE, 51- Psychol. Assn. Address: 1217 Edgevale Rd, Silver Spring, Md. 20910.

WAUGH, DR. F(REDERICK) V(AIL), b. Burlington, Vt, June 11, 98; m. 24; c. 3. AGRICULTURAL ECONOMICS. B.S. Massachusetts, Amherst, 22, L.H.D., 68; M.S. Rutgers, 24; Ph.D.(econ), Columbia, 29. Exten. economist, Conn. Agr. Col, 25-26; dir, Mass. Div. Mkt, 26-28; sr. agr. economist, bur. agr. econ, U.S. Dept. Agr, 28-30, prin. agr. economist, 30-32, sr. agr. economist in statist. res, 33-35, prin. agr. economist in charge div. mkt. res, 35-41, asst. dir. mkt, 41-42, asst. adminstr, agr. mkt. admin, 42-43, chief prog. anal. & appraisal br, food distribution admin, 43-45, dir. div. agr. econ, agr. mkt. serv, 51-61, dir. & res. adv. div. econ. & statist. anal, econ. res. serv, 61-65; RES. ECONOMIST, 65- Teacher, grad. sch, Cornell, 30; Soc. Sci. Res. Coun. fel, Oslo, 32-33, sr. award, 60-61. Agr. adv. Off. War Mobilization & Reconversion, 45-48; economist, Coun. Econ. Adv, 46-51. Consult, Nat. Adv. Cmn. Food & Fiber, 65-68; bur. commercial fisheries, U.S. Dept. Interior, 66- Secy, New Eng. Res. Coun. Mkt. & Food Supply, 28- U.S.A., 17-19. Econ. Assn; fel. Agr. Econ. Assn.(v.pres, 38, pres, 46); fel. Statist. Assn; fel. Economet. Soc. Agricultural marketing and prices; statistical methods; econometrics. Publ: Quality as a determinant of vegetable prices, Columbia, 29; Readings in agricultural marketing, Iowa State Col, 51; Managing farm surpluses, Nat. Planning Assn, 62. Address: 1006 S. 26th St, Arlington, Va. 22202.

WAUGH, DR. KARL T(INSLEY), Psychol, see 10th ed, Soc. & Behav. Vols.

WAUGH, DR. NANCY C(OLLIER), b. San Juan, P.R., Aug. 26, 30; m. 54; c. 2. PSYCHOLOGY. A.B. Vassar Col, 51; Ph.D.(psychol), Radcliffe Col, 56. Res. assoc. Tufts, 56; staff psychologist, Lincoln Lab, Mass. Inst. Tech, 56-60; res.fel.cognitive studies, HARVARD, 60-64, RES. ASSOC. PSYCHOL. MED. SCH, 64-, lectr, univ, 60-61. Psychol. Assn. Human memory; learning theory. Address: Psychiatry Research, Massachusetts General Hospital, Boston, Mass. 02114.

WAX, PROF. MURRAY L(ONEL), b. St. Louis, Mo, Nov. 23, 22; m. 49. SOCIOLOGY. B.S. Chicago, 42, Soc. Sci. Res. Coun. fel, 49-50, univ. fel, 51-52, Ph.D.(sociol), 59; M.A. Pennsylvania, 47. Instr. philos, Temple, 46-48; soc. sci, Chicago, 48-49, res. assoc. sociol, 52; instr. soc. sci, Illinois, 53-54; proj. dir. surv. div, Sci. Res. Assocs, 55-58; res. supvr, mkt. res. div, Tont Co, Gillette Corp, 56-59; asst. prof. sociol, Miami (Fla), 59-62; assoc. prof. sociol. & dir. proj. study formal ed. Sioux Indians, Emory, 62-64; assoc. prof. SOCIOLOG, KANSAS, 64-67, PROF, 67-, dir. Indian ed. res. proj, 66-68. Soc. Sci. Res. Coun. faculty res. fel, 61. Fel. Sociol. Assn; fel. Anthropol. Assn; Soc. Appl. Anthropol; Soc. Study Social Probe. Social psychology; intercultural relations; world view; philosophy of science; social theory. Publ: Co-auth, The notion of magic, Current Anthropol, 63 & 65; Formal education in an American Indian Community, Soc. Study Social Probs, 64; auth, Tree of social knowledge, Psychiatry, 5/65. Address: Dept. of Sociology, University of Kansas, Lawrence, Kans. 66044.

WAX, DR. ROSALIE H(ANKEY), b. Des Plaines, Ill, Nov. 4, 11; m. 49. ANTHROPOLOGY. B.A. California, 42; fel, Chicago, 45-46, Ph.D.(anthrop), 50. Asst. evacuation & resettlement study, California, 43-45; asst. prof. anthrop, univ. col, Chicago, 50-57; vis. lectr. sociol. & anthrop, Miami (Fla), 59-62; assoc. dir. Sioux ed. res. proj, Emory, 63-64; ASSOC. PROF. ANTHROP, KANSAS, 64- Dir, Workshop on Am. Indian Affairs, Colorado, 59-60; Soc. Sci. Res. Coun. faculty fel, 61. Fel. Anthrop Assn; Ethnol. Soc; Sociol. Assn; Soc. Appl. Anthropol. Cultural anthropology; social psychology; anthropology of religion; intercultural relations; old Scandinavian culture and world view. Publ: Co-auth, The Vikings and the spirit of capitalism, Am. J. Sociol; auth, The warrior dropout, Trans-Action, 67; Participant observation, Int. Encyclop. Soc. Sci, 68. Address: Dept. of Anthropology, University of Kansas, Lawrence, Kans. 66044.

WAXENBERG, DR. SHELDON E, b. Omaha, Nebr, June 25, 21; m. 51; c. 3. PSYCHOLOGY. B.S.C. Creighton, 43; A.M. Columbia, 48, M.A., 50, Ph.D. (psychol), 54. Asst. clin. psychologist & res. asst, Mt. Sinai Hosp, 50-56; asst. & assoc. clin. res. psychologist, neuropsychiat. serv, dept. med, Mem. Hosp. Cancer & Allied Diseases, 57-66; ASSOC. PROF. PSYCHOL, CITY COL. NEW YORK, 66- Asst. Teachers Col, Columbia, 52-53; staff psychologist, psychiat. div, Kings County Hosp, 54-55; res. psychologist, Res. Found, State Univ. N.Y., 55; res. fel. & res. assoc, Sloan-Kettering Inst. Cancer Res, 55-60; assoc. psychologist, Postgrad. Center Ment. Health, 59-63, staff psychologist, 63-66; instr. & clin. assoc, N.Y. Med. Col-Metrop. Hosp. Center, 64-66, res. consult. family ther, 66- Dipl. Am. Bd. Exam. Prinl. Psychol. U.S.N.R., 43-46, Lt.(jg). Fel. Psychol. Assn; Psychosom. Soc; Group Psychother. Assn. Clinical research in psychosomatics; psychopharmacology; reactions to physical illness, especially cancers requiring ablation of endocrines; individual and group psychotherapy; research in family therapy; community psychology. Publ: Psychosomatic patients and other physically ill persons, a comparative study, J. Consult. Psychol, 55; Some biological correlates of sexual behavior, In: Determinants of human sexual behavior, C.C. Thomas, 63; The importance of the communication of feelings about cancer, Ann. N.Y. Acad. Sci, 66. Address: 175 Riverside Dr, New York, N.Y. 10024.

WAY, PROF. H(AROLD) FRANK, JR, b. Chillicothe, Mo, Mar. 29, 29; m. 58. POLITICAL SCIENCE. B.S. Northeast Mo. State Teachers Col, 51; M.A., Okla. State, 52; Ph.D. Cornell, 58. Instr. Am. govt, Missouri, 52-54; from instr. to ASST. PROF. CONSTITUTIONAL LAW, CALIFORNIA, RIVERSIDE, 57- Haynes Found. fel, 59. Polit. Sci. Assn. American constitutional law; civil liberties; the American presidency. Publ: Co-auth, Politics 1964, 63 & Politics 1968, 68, Wadsworth; auth, Liberty in the balance, McGraw, 2nd ed, 67. Address: Dept. of Political Science, University of California, Riverside, Calif. 92502.

WAY, DR. H(ARRISON) H(EDLEY), b. Bonaville, Newf, Feb. 12, 20; m. 47; c. 1. PSYCHOLOGY, GUIDANCE. B.A. Mt. Allison, 47; M.A. Acadia, 50; M.S. Indiana, 51, fel, 52-53; Ed.D.(guid. & psychol), 53. Asst. prof. psychol. & ed, Beloit Col, 53-54; assoc. prof, CENT. STATE COL.(OKLA.), 54-57, PROF. PSYCHOL, 57-, CHMN. DIV. ED. & PSYCHOL, 63- Am. Psychol. Assn; Can. Psychol. Assn. Personality; learning and adjustment. Publ: Experiment in teacher education, J. Ed. Address: Route 3, Box 355W, Edmond, Okla. 73034.

WAY, PROF. LULA R, b. Isabella Co, Mich, Dec. 3, 12. CHILD PSYCHOLOGY. B.S. George Peabody Col, 40, M.A., 41; Ed.D. Mich. State, 58. Teacher, elem. sch, Mich, 31-36; supvr. teacher, elem. sch, Mich, 36-39; high sch, La, 41-45; Nebr. State Teacher's Col, Wayne, 45-51, PROF. ed. supvr, 51-58; PSYCHOL, FLORENCE STATE COL, 61- Consult, Tusculum Pub. Schs, Ala, 65-68; Lawrence County Schs, 66-68; Powell Electronics, 67-68. Elementary school supervision; longitudinal research in child growth and development; diagnosis of reading difficulties. Publ: Co-auth, Let's play arithmetic, Viking, 59; auth, Let's take a closer look, Northwest Ed. J, 58. Address: Dept. of Psychology, Florence State College, Box 502, Florence, Ala. 35630.

WAYLAND, PROF. SLOAN R(IGDON), b. Conway, Ark, Nov. 6, 18; m. 43; c. 3. SOCIOLOGY. A.B. Hendrix Col; M.A. La. State; Ph.D.(sociol), Columbia, 51. Res. assoc, North Carolina, 41-42; from instr. to PROF. SOCIOLOG, OF ED, TEACHERS COL, COLUMBIA, 47-, ASSOC. DEAN STUDENT AFFAIRS, 67- Ed. consult, Pop. Coun, 64-68. Air Transport Command, 42-46. Sociol. Assn; Rural Sociol. Soc; Pop. Assn; Ed. Res. Assn; Am. Instnl. Res. Rural sociology; sociology of education; population. Publ: Social patterns of farming; Farmers of the future; Educational characteristics of the American population. Address: Teachers College, Columbia University, New York, N.Y. 10027.

WAYNE, DR. GEORGE JEROME, Psychiat, Psychoanal, see 11th ed, Phys. & Biol. Vols.

WAYNE, IVOR, b. Zagreb, Yugoslavia, Jan. 18, 13; nat; m. 48. SOCIAL PSYCHOLOGY. Fel. Harvard, 47-48, M.A. 49. Asst. prof. lang. U.S. Naval Acad, 48-49; res. assoc, bur. soc. sci. res, American Univ, 50-55; ASST. DIR. BUR. SOC. SCI. RES, 56- Lectr, American Univ, 50-60, prof. lectr, 61-65, adj. prof, 65- Consult, ops. res. off, Hopkins, 51-53; HUMROO,

George Washington, 57, soc. res. group, 68- U.S.A. 42-46, Sgt. Psychol. Asn; Statist. Asn; Asn. Pub. Opinion Res. Content analysis; attitude measurement and opinion research; teaching methods in the social sciences; suicide statistics. Publ: Co-auth, Mass communications in eastern Europe, Vols. I-VIII, Spec. Opers. Res. Off, American Univ, 58 & Factors associated with use of audiovisual media by teachers in elementary and secondary schools, Bur. Soc. Sci. Res, 64; auth, American and Soviet themes and values: a content analysis of pictures in popular magazines, Pub. Opinion Quart, 20: 314-320. Address: 7209 Beechwood Rd, Alexandria, Va. 22307.

WAYNER, PROF. MATTHEW J(OHN), Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.

WAYT, PROF. WILLIAM A(LLEN), b. Moundsville, W.Va, Feb. 20, 21; m. 45; c. 2. AGRICULTURAL ECONOMICS. B.S., West Virginia, 43; M.S., Ohio State, 47, Ph.D., 56. Instr. AGR. ECON, OHIO STATE, 48-56, AGR. EXP. STA, 53-56, asst. prof., 56-61, assoc. prof., 61-66, PROF, 66- Assoc. prof. agr. econ. & head dept, Imperial Ethiopian Col, 61-63; summer scholar, land econ. inst, Illinois, 58; sr. overseas res. officer, Africa region, Cmt. Instnl. Coop-U.S. Agency Int. Develop. Rural Develop. Res. Proj, hqs, Nairobi, Kenya, 66-67. U.S.A., 43-45. Econ. Asn; Int. Asn. Agr. Econ. Land economics and tenure; problems of urbanization of rural area; rural zoning; part-time farming. Publ: Co-auth, Policies and standards in rural zoning, Part time route to full time farming & Some economic and social aspects of part time farming in Ohio, Ohio Agr. Exp. Sta. Bull. Address: Dept. of Agricultural Economics, Ohio State University, 2120 Fyffe Rd, Columbus, Ohio 43210.

WAYTE, DR. MARY (S)MALLWOOD, b. Syracuse, N.Y., Jan. 6, 07; wid. PSYCHOLOGY, EDUCATION. A.B., Syracuse, 29, M.A., 30; Ph.D.(col. ed), Yale, 34. Instr. physiol. & anat, Colby Jr. Col, 33-38; dean women & prof. ed, Kent State, 38-43; dean women & prof. sci. ed, St. Lawrence, 43-46; registrar & dir. admissions, Pa. Area Col. Centers, Phila., 46-49; dir. guid. & teacher sci, Union (Tenn), 49-51; teacher, high sch, Ark, 51-52; head mistress, Nat. Found. Asthmatic Children, Tucson, Ariz, 53-55; guid. counsr. & teacher sci, WESTERN CAROLINA, 55-63, ASSOC. PROF. ED. & PSYCHOL, 63- Guidance; counseling; educational and freshman orientation. Publ: An historical study of examinations and grading systems in early American universities, Harvard, 35; co-auth, The development of the carp, cyprinus carpio larval life of the carp—development of intestinal canal, J. Morphol. & Physiol, 9/31; auth, An old subject in a new light, Jr. Col. J, 4/38. Address: Dept. of Education & Psychology, Western Carolina University, Cullowhee, N.C. 28723.

WEAKLY, DR. WARD FREDRICK, b. North Platte, Nebr, July 16, 38. ANTHROPOLOGY. B.A., Nebraska, 60, M.A., 61; Ph.D.(anthrop), Arizona, 68. ASST. PROF. SOCIOL. & ANTHROP, TULSA, 67- U.S.A., 61-63, Res, 64-66. AAAS; Anthropol. Asn; Soc. Am. Archaeol. Archaeology of the North American Great Plains; tree-ring research in the Great Plains. Address: Dept. of Sociology & Anthropology, University of Tulsa, Tulsa, Okla. 74104.

WEARDEN, PROF. STANLEY, b. Goliad, Tex, Oct. 1, 26; m. 51; c. 5. STATISTICS. B.S., St. Louis, 50; M.S., Houston, 51; Ph.D., Cornell, 57. Asst. biol, Houston, 50-51, instr, 51-53; asst. animal husb, Cornell, 53-57; asst. prof. math, Kansas State, 57-59, assoc. prof. STATIST, 59-65, prof, 65-66; PROF. & DIR. DIV, WEST VIRGINIA, 66- Hon. res. fel, Birmingham Univ, 63-64; U.S. Pub. Health Serv. spec. fel, 63-64. U.S.N., 44-46. Statist. Asn; Soc. Animal Sci; Biomet. Soc. Statistical methods in study of quantitative inheritance; low temperature biology; statistics in agricultural research and genetics. Publ: Use of the power function to determine an adequate number of progeny per sire in a genetic experiment involving half-sibs & A genetic application of the Schumann-Bradley table, Biometrics; Alternative analyses of the diallel cross, Heredity, 64. Address: Division of Statistics, West Virginia University, Morgantown, W.Va. 26506.

WEARING, DR. JOSEPH, b. London, Ont, Sept. 15, 36; m. 64; c. 2. POLITICAL SCIENCE. B.A. & Mus. G.Paed, Western Ontario, 58; M.A., Toronto, 59; Imperial Order Daughters Empire U.K. scholar. & B.A., Oxford, 61, D.Phil.(polit), 65. Instr. POLIT, Toronto, 62-63; lectr, Bishop's (Can), 63-65, asst. prof, 65-67, acting head dept, 66-67; ASST. PROF. TRENT, 67- Can. Polit. Sci. Asn. Parties and elections in Canada before Confederation; contemporary Canadian parties especially conventions; comparative politics. Publ: Party leadership and the 1966 conventions, 2/67 & A convention for professionals: the PCs in Toronto, 11/67, J. Can. Studies; Pressure group politics in Canada west before confederation, Can. Hist. Asn. Annual Meeting, 67. Address: Dept. of Politics, Trent University, Peterborough, Ont, Can.

WEARY, DR. BETTINA, b. N.J., Oct. 3, 18. SOCIOLOGY. A.B., Barnard Col, Columbia, 39, M.A., 43, A.M., 44; Inst. Int. Ed, Inc. fel, Oxford, 49-50; Soc. Sci. Res. Coun. fel, North Carolina, 51-53; Ph.D.(sociol, anthrop, soc. psychol), American Univ, 58. Nat. consult, United Serv. Orgns, 44-46; asst. prof. psychol, Alabama, 46-49; res. assoc. sociol, North Carolina, 52-54; mem. staff, res. study adult ed, Nat. Ed. Asn, 55; SPECIALIST CAREER DEVELOP, OFF. ED, DEPT. HEALTH, ED. & WELFARE, 56- Consult, President's Cmn. Status of Women; mem, President's Conf. Occup. Safety; task force manpower conserv, inter-dept. cmt, Dept. Health, Ed. & Welfare, Dept. Labor & Nat. Bd. Selective Serv; Intra-Dept. Cmt. Probs. Adolescent Girl; Inter-Dept. Cmt. Stemming Probs. of Early Sch. Leaving, Depts. Health, Ed. & Welfare, Labor & Defense. AAAS; fel. Sociol. Asn; Nat. Voc. Guid. Asn; Personnel & Guid. Asn; Asn. Counsr. Ed. & Supv; Am. Acad. Arts & Sci; For. Policy Asn. Social psychology; dynamics of career development and the impact of technological change on community structure; influence of group structure on formation of attitude. Publ: Occupational differentials in the perceptions and opinions of foreign students; Russian propaganda methods; co-auth, Impact of vocational guidance on America's manpower. Address: Office of Education, Dept. of Health, Education & Welfare, Washington, D.C. 20202.

WEATHERFORD, PRES. WILLIS D(UKE), JR, b. Biltmore, N.C., June 24, 16; m. 54; c. 5. ECONOMICS. B.A., Vanderbilt, 37; B.D., Yale, 40; fel, Harvard, 41-43, M.A., 43, Ph.D.(econ), 52. Youth secy, Methodist Cmn. on World

Peace, 43-44; European relief worker, Am. Friends Serv. Cmt, 44-47; India, 51; assoc. prof. econ, Swarthmore Col, 48-64; dir. vol. support, Vol. Serv. to Am, U.S. Off. Econ. Opportunity, 64-65; dean, Carleton Col, 65-67; PRES, BEREIA COL, 67- Ford Found. res. fel, India, 55. Tech. adv. rural develop. to Malaya, UN, 59-60. Econ. Asn. Labor economics; underdeveloped areas; agricultural economics. Publ: Ed, Student life in higher education; The goals of higher education; co-auth, Economics of the world today, Harcourt, 62. Address: Berea College, Berea, Ky. 40403.

WEATHERLEY, DR. DONALD ARTHUR, b. Chicago, Ill, Mar. 22, 30; m. 56; c. 2. CLINICAL PSYCHOLOGY. B.S., Northwestern, 51, M.A., 53; Ph.D., Stanford, 56. Instr. PSYCHOL, Wisconsin, 59-60; from asst. prof. to ASSOC. PROF, COLORADO, 60- Clin. psychologist, Brooke Army Hosp, 56-59, U.S.A., 54-59, 1st Lt. Psychol. Asn. Correlates of anti-Semitism; child rearing antecedents of adult personality characteristics. Publ: Anti-Semitism and the expression of fantasy aggression & Maternal permissiveness toward aggression and subsequent TAT aggression, J. Abnorm. & Soc. Psychol. Address: Dept. of Psychology, University of Colorado, Boulder, Colo. 80304.

WEATHERS, CLYDE RAYMOND, b. Wendell, N.C., May 8, 24; m. 47; c. 1. AGRICULTURAL ECONOMICS. B.S., N.C. State, 51, M.S., 59. Teacher, pub. schs, N.C., 51-55; EXTEN. ECONOMIST, N.C. STATE, 56- U.S.A., 45-48, Capt. Agr. Econ. Asn; Soc. Farm Mgr. & Rural Appraisers. Development of simplified programming, a hand method of linear programming used in farm planning. Publ: Estate, inheritance and gift taxes for N.C. farmers, 58, co-auth, Credit, a friend in need, 58 & auth, Simplified programming—a tool in farm planning, 63, N.C. Agr. Exten. Serv. Address: Extension Division of Agricultural Economics, North Carolina State University, Raleigh, N.C. 27607.

WEAVER, PROF. ANDREW THOMAS, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 65.

WEAVER, PROF. CARL H(AROLD), b. Lima, Ohio, Oct. 15, 10; m. 34; c. 3. SPEECH, PSYCHOLOGY. B.A., Bluffton Col, 36; M.A., Ohio State, 50, Ph.D. (speech), 57. Instr. speech, Wilmington Col, 47-52; Dayton, 52-53; lectr, Wright-Patterson Air Force Base, 53-55; instr, Denison, 56-57; assoc. prof, Central Michigan, 57-61; Maryland, 61-66; PROF. SPEECH & COORDINATOR GRAD. STUDIES, SCH. COMMUN, OHIO, 66- Asst, Ohio State, 67. Summers, lectr, Alberta, 60, Queens, 65 & 66. Psychol. Asn; Speech Asn; Soc. Study Commun. Interpersonal communication processes, including effects of group membership, linguistics, semantics, psycholinguistics and interpersonal variables in all communicative situations; barriers to communication and means of reducing them. Publ: Co-auth, The fundamentals of speech communication, 62 & auth, Speaking in public, 64, Am. Book Co; co-auth, Information theory and the measurement of meaning, Speech Monogr, 65. Address: 64 Eden Place, Athens, Ohio 45701.

WEAVER, PROF. ELLSWORTH E(LLIAS), b. Los Angeles, Calif, July 12, 03. POLITICAL SCIENCE. B.S., Utah, 37, M.S., 38; Ph.D., N.Y. Univ, 53. Lectr. POLIT. SCI, UTAH, 47-48, asst. prof, 48-53, assoc. prof, 53-58, PROF, 58- DIR. INST. GOVT, 61-, field rep, 48-61. Summer vis. prof, Arizona, 67. Managing ed, West. Polit. Quart, 56- U.S.A., 40-47. Polit. Sci. Asn; Acad. Polit. & Soc. Sci; Soc. Pub. Admin; Govt. Res. Asn. Evolution of local government institutions in Utah; Utah county government; legislative reapportionment in Utah. Address: Institute of Government, University of Utah, Salt Lake City, Utah 84112.

WEAVER, PROF. HERBERT B(ENJAMIN), Psychol, see 10th ed, Soc. & Behav. Vols.

WEAVER, PROF. H(OMER) E(LLSWORTH), b. Barberton, Ohio, Feb. 19, 98; m. 24; c. 2. PSYCHOLOGY. A.B., Oberlin Col, 24, A.M., 26; Ph.D.(psychol), Stanford, 30. Asst. prof. PSYCHOL, Arizona, 29-30; from asst. prof. to prof, OBERLIN COL, 30-62, EMER. PROF, 62- Fel. Psychol. Asn; Soc. Aesthetics. Psychological research methodology; psychology of music; reading. Publ: Latent learning; Music reading; co-auth, Direction in problem solving, J. Psychol, 49. Address: Dept. of Psychology, Oberlin College, Oberlin, Ohio 44074.

WEAVER, DR. JAMES H, b. Prairie Grove, Ark, July 26, 33; m. 61; c. 2. ECONOMICS. B.S.B.A., Arkansas, 55; Ph.D.(econ), Oklahoma, 63. Asst. prof. ECON, AMERICAN UNIV, 63-67, ASSOC. PROF. & CHM. DEPT, 67- Lectr, Indust. Col. Armed Forces & Bus. Coun. Int. Understanding, 65-67. Consult, Dept. Health, Ed. & Welfare, 63-64. U.S.A., 55-58, 1st Lt. Econ. Asn. Trade, aid and economic development. Publ: The international development association, Praeger, 65; Impact of United States import quotas, Indian Econ. J, 67; co-auth, Impact of United States cotton textile quotas, South. Econ. J, 68. Address: Dept. of Economics, American University, Washington, D.C. 20016.

WEAVER, PRES. JOHN C(ARRIER), b. Evanston, Ill, May 21, 15; m. 40; c. 2. GEOGRAPHY. B.A., Wisconsin, 36, scholar, 36-37, M.A., 37, fel, 38-39, Ph.D.(geogr), 42; California, 37-38. Mem. res. staff, off. geogr, U.S. Dept. State, 42-44; asst. prof. geog, Minnesota, 46-47, assoc. prof, 47-48, prof, 48-55; dean sch. arts & sci, Kansas State, 55-57; dean grad. col. univ. res. adminstr. & prof. geog, Nebraska, 57-61; v.pres. for. res, dean grad. col. & prof. geog, Iowa, 61-64; v.pres. acad. affairs & dean of faculties, Ohio State, 64-66; PRES. MISSOURI, 66- Summer vis. prof, Oregon, 51, Harvard, 54; Carnegie Corp. traveling admin. fel, 57-58; Riecker Mem. lectr, Arizona, 65. Res. consult, Midwest Barley Improv. Asn, Wis; expert consult, cmt. geophys. & geog, Res. & Develop. Bd. Consult. ed, McGraw-Hill Series Geog, 51-; contrib. ed, Am. Geog. Soc. N.Y., 60- Trustee, Argonne Univs. Asn, 67- Mem. cmt. col. teaching, Am. Coun. Ed, 57-60; nat. adv. cmt, Nat. Defense Ed. Act, Dept. Health, Ed. & Welfare, 59-60, adv. cmt. to secy. dept. rels. between fed. govt. & higher ed, 58-62; exec. cmt, Coun. Grad. Schs. in U.S., 60-63, chmn, 61-62; mem. nat. selection cmt, Woodrow Wilson Found, 61-; mem, Am. Coun. Pharmaceut. Ed, 63-; chmn, Cmt. Instnl. Coop, 64-66; coun. acad. affairs, Asn. State Univs. & Land-Grant Colls, 65-66; mem. cmm. policies & goals in higher ed, Am. Coun. Ed, 66-; bd. cmnr, Nat. Cmn. Accrediting, 66- Pres. Asn. Grad. Schs. in Asn. Am. Univs, 63-64.

U.S.N. 44-46. Fel. AAAS; Asn. Am. Geog. (award, 55); Polar Soc; Arctic Inst. N. Am.; fel. Am. Geog. Soc. Ice in the seas of the northern hemisphere; crop ecology and distribution. Publ: Ice atlas of the Northern Hemisphere; American barley production: a study in agricultural geography; co-auth. World resource statistics: a geographic sourcebook. Address: 102 W. Burnam Rd, Columbia, Mo. 65201.

WEAVER, DR. LELON A, JR, b. New York, N.Y., Feb. 11, 22; m. 48; c. 2. PSYCHOLOGY. A.B. Vermont, 43; M.A. Columbia, 47; Ph.D. (psychol), Purdue, 57. ASST. PROF. PSYCHOL, VERMONT, 57- U.S.A.R. 43-45, 52-55, Maj. Psychol. Asn; Soc. Psychophysiol. Res. Psychomotor and psychophysiological measurement on mental patients. Address: Dept. of Psychiatry, University of Vermont College of Medicine, Burlington, Vt. 05401.

WEAVER, PROF. LEON HIRAM, b. Pittsfield, Ill, Jan. 13, 13; m. 42; c. 1. POLITICAL SCIENCE, ECONOMICS. B.S. Illinois, 36, M.A. 38; fels. 40-42, Ph.D. (polit. sci), 42. Teacher, pub. schs. Ill, 33-35, 36-37; res. supvr, tax map surv, State Tax Cmn, Ill, 38-39; asst. polit. sci, Illinois, 39-40; personnel field off. mgr, Off. Secy. War, 42; for. intel. analyst, Off. Strategic Serv, 45-46, secy. to policy cmts, U.S. Dept. State, 46-48, asst. secy, Nat. Security Resources Bd, 48-50, mem. staff, Fed. Civil Defense Admin, 51-52, dir. res. & planning, Nat. Civil Defense Training Center, 52-53, coordinator ed. rels, 53-54, chief instruct, Fed. Civil Defense Staff Col, 54-57; prog. officer training & ed, Off. Civil & Defense Mobilization, Exec. Off. President, 57-60; PROF. GOVT. & BUS. ADMIN, SCH. POLICE ADMIN. & PUB. SAFETY, MICH. STATE, 60- Consult, Creole Petrol. Corp, Venezuela, 56-57. U.S.M.C.R. 42-46, Res. 46-, Lt. Col. Polit. Sci. Asn; Soc. Pub. Admin. Public administration; political parties and behavior; national security policy. Publ: The civil defense debate; ed, Industrial personnel security cases and materials; ed. & co-auth, Law and order training for civil defense emergency. Address: School of Police Administration & Public Safety, College of Social Science, Michigan State University, East Lansing, Mich. 48823.

WEAVER, DR. PAUL HAROLD, b. Berkeley, Calif, Oct. 18, 42. POLITICAL SCIENCE. A.B. Cornell, 63; Woodrow Wilson fels, Harvard, 63-64 & 65-66, univ. fel, 64-65, Mass. Inst. Tech-Harvard Joint Center Urban Studies hon. V.O. Key fel, 65-66, Ph.D. (polit. sci), 68. Teaching fel. GOVT, HARVARD, 66-67, instr, 67-68, ASST. PROF, 68- Faculty assoc, Joint Center Urban Studies, Mass. Inst. Tech-Harvard, 67- Polit. Sci. Asn. American national and urban politics; political behavior of organizations; newspaper journalism. Address: Dept. of Government, Harvard University, Cambridge, Mass. 02138.

WEAVER, DR. ROBERT C, b. Washington, D.C., Dec. 29, 07. ECONOMICS. B.S. Harvard, 29, A.M. 31, Ph.D. 34; hon. degrees from 25 cols. & univs. Adv. Negro affairs, U.S. Dept. Interior, 33-37; spec. asst. to adminstr, U.S. Housing Authority, 37-41; spec. asst. to dir. labor div, Off. Prod. Mgt. & War Prod. Bd, 41-42; dir. Negro manpower serv, War Manpower Cmn, 42-44; lectr, univ. col, Northwestern, 47-48; prof, sch. ed, N.Y. Univ, 48-50; dir. opportunity fels, John Hay Whitney Found, 49-55; dep. Cmn. Housing, N.Y. 55; rent adminstr, State Temporary Rent Cmn, N.Y. 55-61; adminstr, Housing & Home Finance Agency, 61-66, SECY, U.S. DEPT. HOUSING & URBAN DEVELOP. 66- Lectr. urban probs, cols, insts. & univs. in U.S. Consult, Tenn. Valley Authority, 36; President Roosevelt's Adv. Cmt. on Ed, 37. Chmn, Nat. Cmt. Against Discrimination in Housing, 51; mem, President's Coun. on Aging, 65-; vis. cmt, joint center urban studies, Mass. Inst. Tech-Harvard Univ, 66-; bd. mem, Am. Heritage Found. & Planning Found. Am, 66-; mem. adv. coun, Woodrow Wilson Sch. Pub. Affairs, Princeton, 67- Econ. Asn; fel. Am. Acad. Arts & Sci. Labor economics; housing; race relations. Publ: Negro ghetto; The urban complex, Doubleday, 64; Dilemmas of urban America, Harvard, 65. Address: Dept. of Housing & Urban Development, 1626 K St. N.W., Washington, D.C. 20410.

WEAVER, DR. THOMAS, b. Grenville, N.Mex, May 1, 29; m. 50; c. 3. ANTHROPOLOGY. B.A. New Mexico, 55, M.A. 60; Ph.D. (anthrop), California, Berkeley, 65. Staff anthropologist, N.Mex. State Dept. Health, summers 59-60; exec. secy. ANTHROP, Calif. State Adv. Cmn. Indian Affairs, 64; ASST. PROF. col. med, Kentucky, 64-67; PITTSBURGH, 67- Calif. State Adv. Cmn. Indian Affairs res. grant, 65-66; Univ. Kentucky summer faculty travel grant, 66 & poverty symp. grant, 66-67. Nat. Guard & U.S.A.R. 47-60, Capt. Fel. Anthropol. Asn; fel. Soc. Appl. Anthropol. Ethnol. Soc. Social structure; Latin America; American Indians; Spanish Americans in the United States; medical and applied anthropology; field techniques; role theory; culture change; conflict and factionalism; kinship. Publ: Indians in rural and reservation areas, State Printing Off, Calif, 66; Essays on medical anthropology, Univ. Georgia, 68. Address: Western Psychiatric Institute, 3811 O'Hara St, Pittsburgh, Pa. 15213.

WEAVER, DR. WENDELL WILLIAM, b. Rome, Ga, Nov. 15, 25; m. 47; c. 7. EDUCATIONAL PSYCHOLOGY. A.B. Oglethorpe, 50; M.Ed. Emory, 57; Ed.D. (ed. psychol), Georgia, 61. Prof. ED. PSYCHOL, Campbell Col. (N.C.), 61-66; ASSOC. PROF. GEORGIA, 66- Nat. Sci. Found. res. fel, Fla. State, summer, 63. Consult, N.C. Ed. Improv. Proj, 65-66. Participant, off. naval res. symp. verbal learning & tech. written instr, Columbia, 66. U.S.N.R. 43-46, 50-51. AAAS; Psychol. Asn; Ed. Res. Asn. Psychology of language, particularly the effects of constraints. Publ: Co-auth, Verbal learning and written instruction, Rand, 68; auth, The coding of phrases; an experimental study, J. Commun, 9/66; Affective correlates of reading comprehension, J. Psychol, 6/68. Address: College of Education, University of Georgia, Athens, Ga. 30601.

WEAVER, DR. WILLIAM WALLACE, b. Ill, June 14, 01; m. 28. SOCIOLOGY. B.S. Kans. State Agr. Col, 22; M.S. Iowa State Col, 23; Ph.D. Pennsylvania, 30. Instr. SOCIOLOGY, PENNSYLVANIA, 23-35, asst. prof, 36-51, ASSOC. PROF, 51-, v. dean grad. sch, 52-58, assoc. dean, 58-59. Sociol. Asn; Soc. Study Social Probs. Ecology. Publ: West Philadelphia: a study of natural social areas; Social problems. Address: Dept. of Sociology, University of Pennsylvania, Philadelphia, Pa. 19104.

WEBB, DR. ALLEN PAUL, b. Los Angeles, Calif, Aug. 3, 27; m. 51; c. 3. CLINICAL PSYCHOLOGY. B.A. Pomona Col, 49; Claremont Coll, 49-51; Ph.D. (psychol), Southern California, 61. Teacher, high sch, Calif, 50-51,

teacher & psychometrist, 53-55; intern clin psychol, psychol. serv. center, Southern California, 56-57; psychiat. unit, outpatient clin, Los Angeles County Gen. Hosp, 58; CLIN. PSYCHOLOGIST, 63- Lectr, Southern Calif, 61- Psychol. consult, Pasadena City Schs, 64. U.S.N. 45-46; U.S.A. 51-53. Psychol. Asn. School psychology; use of semantic differential as a measure of change in personality and as a psychodiagnostic tool; developmental psychology of adolescence. Publ: Preliminary investigation of the early developmental status of Mongoloid infants, Am. J. Ment. Deficiency; Sex role preferences in early adolescents, Child Develop, 63; Longitudinal study of the WISC and WAIS with educable mentally retarded, J. Clin. Psychol, 63. Address: 521 E. Green St, Pasadena, Calif. 91101.

WEBB, PROF. EUGENE J(OHN), b. Albany, N.Y., July 18, 33; m. 55; c. 3. PSYCHOLOGY. A.B. State Univ. N.Y., 54; Ph.D. Chicago, 56. Res. psychologist, E.H. Weiss & Co, 56-57; Chicago Tribune, 57-60; asst. prof. adv, Northwestern, 60, adv. & mkt, 61-67, dir. res, Medill Sch. Journalism, 60-67; mem. sr. staff, Inst. Defense Anal, 67-68; PROF. ORGN. BEHAV. GRAD. SCH. BUS, STANFORD, 68- Psychol. Asn. Public opinion and propaganda. Publ: Co-auth, The interview, Univ. Tex, 66 & Unobtrusive Measures, Rand McNally, 66; auth, Weber's law and consumer pricing, Am. Psychol. Address: 897 Southampton, Palo Alto, Calif. 94303.

WEBB, PROF. GEORGE W, Econ. Geog, Climat, see 11th ed, Phys. & Biol. Vols.

WEBB, JAMES EDWIN, b. Granville Co, N.C., Oct. 7, 08; m; c. 2. POLITICAL SCIENCE. A.B. North Carolina, 28, hon. LL.D. 49, Syracuse, 50, Colo. Col, 57, George Washington, 61; hon. Sc.D. Notre Dame, 61, Washington (St. Louis), 62. From personnel dir. & asst. to pres. to v. pres, Sperry Gyroscope Co, 36-43; practicing attorney, 45-46; exec. asst. to Under Secy. Treas, 46; dir. U.S. Bur. Budget, 46-49; Under Secy. State, U.S. Dept. State, 49-52; pres, gen. mgr. & dir, Repub. Supply Co, 53-58; ADMINSTR, NASA, 61- Dir. & asst. to pres, Kerr-McGee Oil Indus, Inc, Okla, 52-61; dir, McDonnell Aircraft Corp, Mo, 52-61; Oak Ridge Inst. Nuclear Studies, Inc, Tenn, 56-60; pres. & trustee, Frontiers of Sci. Found. of Okla. Inc, 56-58; div, Ed. Serv. Inc, Watertown, Mass, 58-63. Trustee, George Washington, 51-63; gen. chmn, S.W. Seminars Pub. Responsibility, Oklahoma, 56-61; chmn. Meridian House Found, 62- U.S.M.C. 44-45, Lt. Col. Polit. Sci. Asn; Bar Asn; Soc. Adv. Mkt; Soc. Pub. Admin. (pres, 66-67); Acad. Polit. & Soc. Sci; Mgt. Asn; Inst. Mgt. Planning Asn. Address: 2800 36th St. N.W., Washington, D.C. 20007.

WEBB, DR. JOAN L(IEBENHEIM), b. Pawhuska, Okla, July 29, 31; m. 54; c. 3. PSYCHIATRY. B.S. Okla. Agr. & Mech. Col, 53; M.D. Oklahoma, 59. Intern gen. med, Wesley Hosp, Oklahoma City, Okla, 59-60; res. psychiatrist, Cent. State Hosp, Norman, Okla, 60-63; spec. resident fel. acad. psychiatrist, SCH. MED, MISSOURI, 63-65, instr. PSYCHIAT, 65-66, ASST. PROF, 66- Nat. Inst. Ment. Health Career Teacher grant, 66-68. Psychiat. Asn. Clinical psychiatry; medical student education; training psychiatric residents. Publ: Co-auth, Introducing the community to medical students and residents: an evaluation of a field trip program, J. Med. Ed, 1/68. Address: Dept. of Psychiatry, University of Missouri Medical Center, Columbia, Mo. 65201.

WEBB, PROF. JOHN N(YE), b. Ontario, Calif, Oct. 6, 99. ECONOMICS. A.B. Columbia, 31, A.M. 32, Ph.D. 36. Economist, U.S. Govt, 33-34, 36-43; prof. econ, Florida, 44-66; PROF. ECON. & ED, FLA. PLANNING & DEVELOP, FLORIDA ATLANTIC, 66-, DIR. INST. BEHAV. RES, 67- Econ. Asn. Economic theory and technology; migrant families; seven depressed coal towns; population growth and economic development of Florida. Address: Florida Atlantic University, 239 Administration Bldg, Boca Raton, Fla. 33432.

WEBB, PROF. JOHN W, b. Staines, Eng, July 29, 26; nat; m. 53; c. 1. GEOGRAPHY. M.A. St. Andrews, 50 & 52; Ph.D. Minnesota, 58. Asst. GEOG. Minnesota, 52-54; instr, Maryland, 54-55; MINNESOTA, MINNEAPOLIS, 55-58, asst. prof, 58-64, assoc. prof, 64-67, PROF, 67-, CHMN. DEPT. 68- R.A.F, 44-48. Fel. Geog. Soc; Asn. Am. Geog. Western Europe; settlement and population geography; history of geography. Publ: Co-auth, A geography of mankind, McGraw, 68. Address: Dept. of Geography, University of Minnesota, Minneapolis, Minn. 55455.

WEBB, PROF. KEMPTON EVANS, b. Melrose, Mass, Dec. 28, 31; m. 55; c. 2. GEOGRAPHY. A.B. Harvard Col, 53; M.A. Syracuse, 55, Watson fel, 55-58, Ph.D. (geog), 58. Tech. consult, Bank of Northeast Brazil, 57; asst. prof. geog, Indiana, 58-61; COLUMBIA, 61-65, ASSOC. PROF. GEOG. & ASSOC. DIR, INST. LATIN AM. STUDIES, 65-, acting dir, 62. Consult, Fulbright Prog. Long Range Planning Group, U.S. Dept. State, 66-67. Cor. mem. humid tropics cmn, Int. Geog. Union, 58- U.S.A.R. 54-62. Asn. Am. Geog; Latin Am. Studies Asn. Cultural and economic geography; Latin America, especially Brazil; historical geography of Brazil. Publ: Geography of food supply in Central Minas Gerais; Suprimento de Generos Alimenticios Basicos para a Cidade de Fortaleza; ed, Latin America: a geographical commentary, Dutton, 67. Address: Dept. of Geography, Columbia University, New York, N.Y. 10027.

WEBB, KENNETH WILLIAM, b. Buffalo, N.Y., Jan. 22, 22; m. 44; c. 1. OPERATIONS ANALYSIS, MATHEMATICAL STATISTICS. B.A. George Washington, 49. Math. statistician, U.S. Dept. Navy, 49-53; chief statistician, CEIR, Inc, 58-61; adv. systs. analyst, FED. SYSTS. DIV, INT. BUS. MACH. CORP, 61-63, MGR. OPERS. RES, 63- Lectr, U.S. Dept. Agr. Grad. Sch, 60; assoc. prof. lectr, George Washington, 60. Pres, Wash. Opers. Res. Coun, 62-63. U.S.A. 42-46, Sgt. Statist. Asn; Inst. Math. Statist; Opers. Res. Soc. Applications of mathematical statistics and operations research to operating or management systems. Publ: Mathematical theory of sensitivity; An operations research study of the national program in oceanography; Scheduling for missile ranges. Address: 18100 Frederick Pike, Gaithersburg, Md. 20760.

WEBB, LAURA MAE, b. Centralia, Mo, Mar. 16, 10; m. 41; c. 1. ECONOMICS, STATISTICS. B.S. Missouri, 31, M.A. 33. Economist, prices & cost of living bur, bur. labor statist, U.S. Dept. Labor, 35-45; anal. statistician econ. off. statist. standards, U.S. Bur. Budget, 45-58; family economist, agr. res. serv, U.S. Dept. Agr, 58-63; price economist, bur. labor statist, U.S. Dept.

- Labor, 63-65, econ. expert, bur. int. labor affairs, 67; CONSULT, SURV. & RES. CORP, 67- Statist. Assn; Econ. Assn. Price indexes; cost of living allowances. Publ: Cost of clothing for moderate-income families, 1935-1944, Bur. Labor Statist. Bull; Changing patterns of consumer expenditures, 3/64 & Food expenditures of urban families, 5/65, Bur. Labor Statist. Report. Address: 3614 Warren St. N.W., Washington, D.C. 20008.
- WEBB, DR. MARVIN W(ILLIAM), b. Paducah, Ky, Mar. 15, 00; m. 39; c. 1. PSYCHOLOGY. Ph.B, Chicago, 33; A.M., Washington (St. Louis), 37, Ed.D., 39; St. Louis; Michigan; Emory; Max Planck Inst, Germany, 53. Clin. psychologist & asst. supt. div. delinquency prev, State Dept. Pub. Welfare, Ill, 39-42; CHIEF PSYCHOLOGIST, BAY PINES MED. CENTER, VET. ADMIN, FLA, 47-50, 54- Chief advisement & guid, VA, Fla, 45-47; chief psychologist, 98th Gen. Hosp, Germany, 52-53. Psychol. consult, Fla. State Rehab. Serv, 65- Dipl. Am. Bd. Exam. Prfml. Psychol. U.S.A.A.F, 42-45, Capt. Fel. Psychol. Assn; Soc. Psychophysiol. Res. Translation of professional works from German to English; Szondi technique and Schicksal analysis; hypnotherapy; electrosleep; Roemer symbol test. Publ: Predicting surgical results in intractable duodenal ulcer, Szondiana VII, 67. Address: 162 Ave. Redington Beach 4, St. Petersburg, Fla. 33708.
- WEBB, PROF. NEIL J(OHN), b. Fond du Lac, Wis, June 21, 29; m. 54; c. 6. PSYCHOLOGY. B.S, Marquette, 52; M.A., Loyola (Ill), 58, fel. & Ph.D. (psychol), 59. Intern, Mercy Hosp, Chicago, 56; res. assoc. psychol, relig. & ment. health proj, Nat. Inst. Ment. Health, Loyola (Ill), 57; asst. prof. PSYCHOL. & chmn. dept, ST. NORBERT COL, 59-66, PROF, 66-, ACTING PRES, 68-, admin. v.pres, 67-68. Dir, Hill Found. Proj, 64-65; U.S. Off. Ed. Proj, 65-67; summer lectr, counseling high sch. & col. workshop, Catholic Univ, 60. Consult, Nat. Inst. Ment. Health Proj, Loyola (Ill), 61. Mem, Nat. Coun. Univ. Res. Adminstr, 66- Med. C, 52-54, Sgt. Psychol. Assn; Ed. Res. Assn. College environment change; innovation in instruction. Address: Dept. of Psychology, St. Norbert College, West de Pere, Wis. 54178.
- WEBB, DR. RALPH, JR, Speech, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- WEBB, PROF. ROBERT M(acHARDY), b. Hamilton, Ohio, Dec. 2, 15; m. 61; c. 2. GEOGRAPHY. B.S, Memphis State Col, 49; M.A., Ohio State, 50; Ph.D. (geog), Kansas, 62. Instr. GEOG, Ohio Wesleyan, 51-53; PROF, SOUTHWESTERN LOUISIANA, 56- Consult, cmt. geog. Sec. Ed, State La, 67-68. U.S.A.A.F, 42-45, S/Sgt. Am. Geog. Soc; Assn. Am. Geog. Agricultural geography—land use relative to topographic features; effect of political boundaries on land use. Address: University of Southwestern Louisiana, Box 861, Lafayette, La. 70501.
- WEBB, DR. SAM C(LEMENT), b. Durham, N.C, June 22, 18; m. 46; c. 2. PSYCHOLOGY. A.B, Davidson Col, 39; M.A., North Carolina, 42, Ph.D. (psychol), 48. Jr. occup. analyst, U.S. Employ. Serv, Ill, 40-41; instr. psychol, Davidson Col, 41-42; prof. & dir. testing, Emory, 48-65; prof. psychol. & dir. eval. studies, GA. INST. TECH, 65-67, ACTING DEAN GEN. COL, 67- U.S.A., 42-45. Psychol. Assn; Psychomet. Soc. Scale theory: factor analysis; attitude scale construction; interest measurement; factors affecting college performance. Publ: Qualities considered in two frames of inference, Multivariate Behav. Res. Monogr, 67; Inventory of religious activities and interests, Ed. Testing Serv, 68. Address: 310 Chelsea Circle, N.E., Atlanta, Ga. 30307.
- WEBB, DR. STEPHEN S, Am. Colonial Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WEBB, DR. WARREN W(RIGHT), b. La Grange, Mo, Feb. 20, 24; m. 47; c. 1. PSYCHOLOGY. B.A., North Carolina, 47; Ph.D., Duke, 52. Clin. psychologist, Vet. Admin. Hosp, Roanoke, Va, 52-56; from asst. prof. to ASSOC. PROF. PSYCHOL, VANDERBILT, 56-, ASSOC. PROF. CLIN. PSYCHOL, SCH. MED, 65- U.S.N., 43-46, Lt.(jg). Psychol. Assn. Psychopathology; attitude measurement; personality development. Publ: Conceptual ability of schizophrenics as a function of threat of failure, J. Abnorm. & Soc. Psychol. Address: Dept. of Psychology, Vanderbilt University, Nashville, Tenn. 37203.
- WEBB, DR. WILFRED D(UNBAR), b. Quitman, Ark, May 2, 10. GOVERNMENT. A.B, Arkansas, 31, A.M., 33, LL.B., 35; Ph.D., Texas, 40. Instr. polit. sci, Arizona, 40-43, 44; lectr, Tulane, 43-44; res. asst. & lectr. GOVT, bur. munic. res, TEXAS, AUSTIN, 44-47, ASSOC. PROF, 47-, ASST. DEAN COL. ARTS & SCI, 62- Classification analyst, Off. Emergency Mgt, 43; res. assoc, Bur. Govt. Res, New Orleans, La, 43-44. Consult, reorgn. city govt, 46. Mem. Austin Planning Cmn, 55-57. Polit. Sci. Assn. Federalism and intergovernmental relations; state and local government. Publ: Municipal home rule charters in Texas; co-auth, Outside readings in American government; Texas votes (1944-1963), Inst. Pub. Affairs, Univ. Texas, 64. Address: Dept. of Government, University of Texas, Austin, Tex. 78712.
- WEBB, DR. WILSE B(ERNARD), b. Hollandale, Miss, Oct. 13, 20; m. 42; c. 4. PSYCHOLOGY. B.A., La. State, 41; M.A., Iowa, 43, Ph.D. (psychol), 47. Asst. prof. psychol, Tennessee, 47-48; Washington (St. Louis), 48-53; head aviation psychol. lab, sch. aviation med, U.S. Dept. Navy, 53-58; PROF. PSYCHOL. & CHMN. DEPT, FLORIDA, 58- Lectr, Southern California, 51 & 53; Nat. Insts. Health spec. fel, Cambridge, 65-66. U.S.A.A.F, 42-46. Fel. Psychol. Assn. Sleep research. Publ: Co-auth, Profession of psychology, Holt, 63; Sleep therapy, C.C. Thomas, 66; auth, Experimental analysis of sleep, Macmillan, 68. Address: Dept. of Psychology, University of Florida, Gainesville, Fla. 32601.
- WEBBER, EDWIN WAITSTILL, Pub. Admin, see 10th ed, Soc. & Behav. Vols.
- WEBBER, PROF. IRVING L(EONARD), b. Luverne, Minn, Sept. 1, 15; m. 40; c. 3. SOCIOLOGY. M.A., Florida, 50; Ph.D., La. State, 56. Surv. dir. retirement study, Fla. State Improv. Cmn, 50; res. assoc. rural social, La. State, 50-51; supvr. retirement res, State Improv. Cmn, Fla, 51-53; res. asst. retirement proj, Chicago, 53, res. assoc. indust. rels. center, 53-54; asst. prof. sociol. & anthropol. & mem. staff, inst. geront, Florida, 53-59; assoc. prof. SOCIOLOGY, South Florida, 59-63; PROF, FLORIDA, 63- Res. soc. scientist, Pinellas County Health Dept, 59-63, consult, 63-66; vis. prof, Valle, Colombia, 66- Consult. med. res, Vet. Admin. Regional Off, 63-66. U.S.N., 44-47. Sociol. Assn; Geront. Soc. Relationship of basic human values and the stages of socioeconomic development in Colombian cities; aging and the aged; health; social class. Publ: Ed, Care under social security: potentials and problems, Univ. Florida, 66; co-auth, The aged and chronic disease: research in a local health department, Fla. State Bd. Health Monogr. Series 9, 66 & Sampling procedures and problems in a survey of extrahospital nursing needs, Nursing Res, summer 64. Address: Dept. of Sociology, University of Florida, Gainesville, Fla. 32601.
- WEBBER, DR. ROSS A(RKELL), b. New Rochelle, N.Y, July 18, 34; m. 56; c. 4. MANAGEMENT. B.S., Princeton, 56; Rochester, 59-61; Ford Found. fel, Columbia, 62-64, Ph.D. (bus), 66. Indust. engr, Eastman Kodak Co, N.Y., 59-61; ASST. PROF. INDUST, WHARTON SCH, PENNSYLVANIA, 64- U.S.N., 56-59, Lt. Acad. Mgt. Organization theory; managerial behavior and leadership; comparative organizational behavior. Publ: Co-auth, Organization behavior and the practice of management, Scott, 68; auth, Culture and management: text and readings, Irwin, 68; Innovation and conflict in industrial engineering, J. Indust. Eng, 5/67. Address: Wharton School, University of Pennsylvania, Philadelphia, Pa. 19104.
- WEBBINK, PAUL, b. Detroit, Mich, Sept. 12, 03; m. 34; c. 2. ECONOMICS. A.B, Michigan, 25; Brookings Inst, 36-28. Secy. bur. govt, Michigan, 24-26; asst. Senator Robert M. La Follette, 27-33; from asst. statistician to dir. statist. reports & finance, Fed. Emergency Relief Admin, 33-35; mem. staff, cmt. soc. security, SOC. SCI. RES. COUN, 36-37, dir, 37-42, mem. staff, Wash, D.C., 42-48, V.PRES, 48- Mem. Staff, Ed. Res. Reports, Inc, D.C., 28-31; asst. clerk, cmt. mfrs, U.S. Senate, 31-33. Consult, U.S. Govt, 41-45; Nat. Sci. Found, 58-61; Soc. Security Admin, 61-64. AAAS; Econ. Assn; Statist. Assn; Indust. Rels. Res. Assn. Labor market research; research organization. Address: 17 Cohawney Rd, Scarsdale, N.Y. 10583.
- WEBER, PROF. ARNOLD ROBERT, b. New York, N.Y, Sept. 20, 29; m. 54; c. 3. INDUSTRIAL RELATIONS. B.A., Illinois, 50, M.A., 52; Ph.D. (econ), Mass. Inst. Tech, 58. Asst. prof. INDUST. RELS, Mass. Inst. Tech, 57-58; CHICAGO, 58-60, assoc. prof, 60-64, PROF, 64- Ford Found. res. fel, 64-65; dir. study unions, collective bargaining, & pub. employ, Brookings Inst, 67- Consult, President's Adv. Cmt. Labor-Mgt. Policy, 64; chmn. res. adv. cmt, U.S. Employ. Serv. U.S.C.G, 52-54, Lt. (jg). Econ. Assn; Indust. Rels. Res. Assn. Labor and manpower policies; collective bargaining and public employment. Publ: Union decision-making and collective bargaining, Inst. Labor & Indust. Rels, 53; The structure of collective bargaining: problems and perspectives, Macmillan, 61; co-auth, Strategies for the displaced worker, Harper, 66. Address: Graduate School of Business, University of Chicago, Chicago, Ill. 60637.
- WEBER, DEAN C(HARLES) EDWARD, b. Chicago, Ill, Feb. 21, 30; m. 52; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. A.B., Illinois, 52, A.M., 53; Hicks fel, Princeton, 53-54, A.M., 54, Ph.D. (econ), 58. Asst. inst. labor & indust. rels, Illinois, 52-53; mem. res. staff, indust. rels. sect, Princeton, 54-56; instr. bus. admin, Pittsburgh, 56-58, asst. prof, 58-60, assoc. prof. bus. admin. & sr. res. assoc. admin. sci. center, 61-66, acting dir. admin. sci. center, 63-66; PROF. & DEAN BUS. ADMIN, WISCONSIN, MILWAUKEE, 66- Ford fel, inst. basic math. for appln. to bus, Harvard, 59-60; Ford Found. faculty res. fel, 63-64; field reader, U.S. Off. Ed, 66- Consult, Arthur D. Little, 65-66. Econ. Assn; Indust. Rels. Res. Assn; Inst. Mgt. Sci; Acad. Mgt. Administrative process; managerial decision making; managerial growth and development; allocation of resources in business enterprise and higher education. Publ: Intraorganizational decision processes for EDP staff budget, Mgt. Sci, 65; co-auth, Academic authority and the administration of research, Ed. Record, 66; Toward a general model of sales planning, In: Research toward the development of management thought, Acad. Mgt. Address: 3453 N. Hackett Ave, Milwaukee, Wis. 53211.
- WEBER, PROF. C(HRISTIAN) O(LIVER), b. Lincoln, Nebr, Dec. 10, 91; m. 21; c. 2. PSYCHOLOGY. B.A., Nebraska, 16, M.A., 18, Ph.D. (philos), 24; Austin fel, Harvard, 22-23. Asst. prof. PSYCHOL, WELLS COL, 24-26, assoc. prof, 27-30, prof, 30-62, chmn. dept, 43-58, EMER. PROF, 62-; RES. & WRITING, 62- Dir. psycho-clin, Nebraska, 23-25. U.S.A., 18. Fel. Psychol. Assn. Constancy phenomena; personality; remedial reading; philosophy of education; neurophysiology of higher nerve areas; creative potentialities of normal individuals. Publ: Reading and vocabulary development, Prentice-Hall, 56; Basic philosophies of education, Holt, 60; Philosophy of education in the USA after Dewey, In: La Educacion, vol. 5, Pan Am. Union, 60. Address: P.O. Box 23, Aurora, N.Y. 13026.
- WEBER, DR. DALE S(ARGE), b. Philadelphia, Pa, Feb. 1, 23; m. 49; c. 1. PSYCHOLOGY. B.A., Albright Col, 48; M.A., Pennsylvania, 49; U.S. Pub. Health Serv. fel, Western Reserve, 60, Ph.D. (clin. psychol), 64. Instr. psychol, Russell Sage Col, 49-50; Col. Wooster, 50-54; asst. prof. Mt. Union Col, 54-60; psychologist trainee, Univ. Hosps, Cleveland, Ohio, 61-62; Vet. Admin. Hosp, Brecksville, Ohio, 62-63; PSYCHOLOGIST, VET. ADMIN. HOSP, 63- Asst. prof, Arizona, 66- U.S.A., 43-45. Psychol. Assn. Time perception; motivation and mental illness. Publ: A time perception test, Perceptual & Motor Skills, 65. Address: Psychology Service, Veterans Administration Hospital, S. Sixth Ave, Tucson, Ariz. 85713.
- WEBER, PROF. EUGEN J(OSEPH), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WEBER, PROF. JOHN H(UBERT), Agr. Econ, see 10th ed, Soc. & Behav. Vols, deceased 65.
- WEBER, PROF. MARTHA GESLING, b. Lancaster, Ohio, Apr. 10, 12; m. 56. EDUCATIONAL PSYCHOLOGY. A.B., Ohio Northern, 35; M.A., Ohio State, 41; fel, Duke, 44-46, Ph.D. (ed. psychol), 51. Teacher, pub. schs, 33-44; asst. prof. Ed. & ED. PSYCHOL, BOWLING GREEN STATE, 46-49, assoc. prof, 49-53, PROF, 53-, dir. reading center, 46-65. Consult, Stanwix House. Coun. Measurement in Ed. Concept development; reading disability.

Publ: Fictions in the making, In: The broader horizons of reading; Developing continuing interest in extensive reading at the college level, In: Reading in action; Using materials and instruments in a corrective reading program in college, In: Corrective reading in classroom and clinic. Address: Dept. of Educational Psychology, Bowling Green State University, Bowling Green, Ohio 43402.

WEBER, PAUL J(OHN) A(UGUST), b. Warren, Pa, Feb. 3, 04; m. 51; c. 2. ECONOMICS. Ph.B. Brown, 25; Columbia, 25-27. Mem. staff, econ. res. dept. West. Elec. Co, 25-27; Am. Tel. & Tel. Co, 27-29; chief security analyst, Dyer Hudson & Co, 29-34; economist & mgr. econ. res. div. HERCULES POWDER CO, 34-43, ASST. TREAS. & GEN. DIR. ECON. RES, 43-Econ. Asn; Statist. Asn. Forecasting the activity, profitability and growth of various segments of the chemical industry; naval stores industry; developing and interpreting barometers; techniques as an aid in forecasting turning points in business cycles. Publ: Commodity price analysis as a guide for policy; co-auth, Symposium on the economist, Harvard Bus. Rev; contrib, Investment decisions of forest-products firms, Res. in Econ. of Forestry. Address: 521 Woodside Ave, Woodside Hills, Wilmington, Del. 19809.

WEBER, DR. WILLIAM V, b. Viroqua, Wis, Nov. 9, 01; m. 28; c. 2. POLITICAL SCIENCE. B.A. Iowa, 28, M.A. 29, Ph.D. 32. Head dept. polit. sci. Tex. State Teachers Col, 34-37; prof, Western Michigan, 37-66, chmn. soc. sci. div. & head dept. polit. sci, 52-66; MICH. STATE REP, 67- U.S.N.R, 43-46, Comdr. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. National, municipal and state government. Address: 1612 Evanston St, Kalamazoo, Mich. 49001.

WEBER, PROF. FRANK P(AUL), b. Salina, Kans, Mar. 5, 02; m. 30; c. 5. SOCIAL SCIENCE. A.B. Kansas Wesleyan, 25; A.M. Catholic Univ, 26, Knights of Columbus fel, 26-29, Ph.D. 29; Duquesne, 34-35. Instr. hist. & polit. Our Lady of the Lake Col, 28, 29-33; assoc. prof, Duquesne, 33-36; PROF. HIST. & SOC. SCI. & CHMN. DEPT. COL. ST. FRANCIS, 36- Acad. Polit. Sci; Bar Asn; Polit. Sci. Asn; Hist. Asn. Background of the panic of 1893. Address: 711 Wilcox St, Joliet, Ill. 60435.

WEBSTER, DR. A(LVIN) STANLEY, b. Charleston, W.Va, June 5, 26. PSYCHOLOGY. A.B. West Virginia, 48, M.A. 49; Ph.D.(psychol), Tennessee, 52. Asst. prof. philos. & psychol, TENNESSEE, 53-57, ASSOC. PROF. PSYCHOL, 57-; CHIEF CLIN. PSYCHOLOGIST, EAST STATE HOSP, 53- Consult, Ment. Hyg. Clin. 51-55; Juvenile Court, Knox County, 51-; Conn. Retarded Children, 53-; res. consult, State Dept. Ment. Health, Tenn, 55- Psychol. Asn; Asn. Ment. Deficiency. Phobias; mental retardation; criminality. Publ: Personality and intelligence of convicts in West Virginia, J. Criminal Law & Criminol; Play therapy in pediatric maladjustment, W.Va. Med. J; Hypnodontia, J. Tenn. Dent. Asn. Address: 5908 Lyons View Dr, Knoxville, Tenn. 37919.

WEBSTER, PROF. DONALD H, b. Starbuck, Wash, Sept. 23, 02. POLITICAL SCIENCE. A.B. Washington (Seattle), 29, LL.B. 31, Ph.D. 33. Mgr. Seattle dist. off, State Tax Cmn, Wash, 33-35, counsel, 35-39; assoc. prof. POLIT. SCI, WASHINGTON (SEATTLE), 39-48, PROF, 48-, from exec. secy. to dir. govt. res. Rationing attorney, Seattle dist. Off. Price Admin, 42-43; acting dir, Legis. Ref. Bur, Hawaii, 47. Chmn, Wash. State Bd. Tax Appeals, 67-U.S.A, 43-45, Capt. Polit. Sci. Asn; Soc. Pub. Admin. State and local government organization and administration; planning. Publ: Urban planning and municipal public policy, Harper, 58; co-auth, Washington state government, Univ. Washington, 62. Address: Dept. of Political Science, University of Washington, Seattle, Wash. 98105.

WEBSTER, PROF. E(DWARD) C(LARK), b. North Battleford, Sask, Jan. 13, 09; m. 38; c. 3. PSYCHOLOGY. B.A. McGill, 31, M.A. 33, Ph.D. 36. Private psychologist, 36-42; spec. lectr. PSYCHOL, McGill, 46-48, assoc. prof, 48-52, PROF, 52-, DIR. UNIV. EXT, 67-, chmn. psychol. dept, 58-64. Can. Army, 42-46. Fel. Am. Psychol. Asn; fel. Can. Psychol. Asn. Industrial psychology; personnel interview; counseling and guidance. Publ: Decision making in the employment interview, McGill Univ, 64; The Couching report, Can. Psychol. Asn, 67. Address: Dept. of Psychology, McGill University, Montreal, Que. Can.

WEBSTER, PROF. FRED C(LARENCE), b. Randolph, Vt, Jan. 19, 23; m. 43; c. 6. AGRICULTURAL ECONOMICS. B.S. Vermont, 48, M.S. 53; Ph.D. (agr. econ), Cornell, 56. Teacher, Chester High Sch, 48-51; instr. AGR. ECON, Vermont, 51-53; asst, Cornell, 53-55, asst. prof, 56; assoc. prof, VERMONT, 56-63, PROF, 63-, AGR. ECONOMIST, AGR. EXP. STA, 56-Mkt. specialist, U.S. Dept. Agr, 66-67. U.S.A. 42-46, Res, 46-53. Agr. Econ. Asn. Marketing farm food products, especially dairy marketing and retailing. Address: Dept. of Agricultural Economics, University of Vermont, Burlington, Vt. 05401.

WEBSTER, DR. FREDERICK A. III, b. Oakland, Calif, Dec. 29, 26; m. 51; c. 2. MARKETING, BUSINESS ADMINISTRATION. B.S. California, Berkeley, 50, M.B.A. 51, Ph.D.(bus. admin), 66. Prod. control mgr, Crown, Cork & Seal Corp, 50-55; asst. cashier, Am. Trust Co, 55-59; asst. prof. BUS. ADMIN, San Francisco State Col, 59-65; ASSOC. PROF, BRITISH COLUMBIA, 65-Field mkt. consult, Klein Inst, 62-65. U.S.N.R. 43-46. Publ: A model of vertical integration strategy, Calif. Mgt. Rev, 68; Mores in consumer behavior, Atlanta Econ. Rev, 68; Status of marketing executives in Canadian industry, The Marketer, 68. Address: 2985 Altamont Crescent, West Vancouver, B.C. Can.

WEBSTER, PROF. HAROLD, b. Boulder, Colo, May 28, 18; m. 50; c. 3. PSYCHOLOGY, MATHEMATICS. Ph.D.(psychol), California, 51. Asst. prof. psychol, Kentucky, 51-53; res. assoc. Mellon Found, Vassar Col, 53-58; assoc. res. psychol, center for study of higher ed, California, 58-64; PROF. ed. res, Teachers Col, Delhi, India, 64-66; PSYCHOL, BROOKLYN COL, 66-Consult, Nat. Inst. Ment. Health; Indian Ed. Cmn, New Delhi, 64-65. Mem. Soc. Sci. Res. Coun, 56- U.S.A. 42-45. Fel. Psychol. Asn; Psychomet. Soc. Mathematical psychological models; theory of personality development. Publ: Personality changes in college students, In: The American college; Reliability of change scores, In: Problems in measuring change, Wisconsin

Press; Planning educational research, In: Indian Ed. Rev. Address: Dept. of Psychology, Brooklyn College, Brooklyn, N.Y. 11210.

WEBSTER, DR. HENRY H, b. Sault St. Marie, Mich, Jan. 12, 30; m. 53; c. 1. FOREST ECONOMICS. B.S. State Univ. N.Y. Col. Forestry, Syracuse, 52; M.F. Michigan, 56, Ph.D.(forest econ), 60. Forest economist, northeast. forest exp. sta, U.S. Forest Serv, 53-63; assoc. prof. forest mgt, Wisconsin, 63-64, chmn. dept. FORESTRY, 64-67; PROF. & HEAD DEPT, IOWA STATE, 67- Vis. lectr, Minnesota, 62. Soc. Am. Foresters; Econ. Asn; Agr. Econ. Asn. Economic analysis of forest management decisions; development of forest management decision-making systems. Publ: Timber management opportunities in Pennsylvania, U.S. Forest Serv, 60; Economic research for more effective assistance to woodland owners, Land Econ, 64; co-auth, Comparative analysis of costs and benefits of various systems of silvicultural management, Proc. World Forestry Cong, 67. Address: Dept. of Forestry, Iowa State University, Ames, Iowa 50010.

WEBSTER, DR. JOHN C(ROSS), b. Runnells, Iowa, Feb. 23, 20; m. 45; c. 5. EXPERIMENTAL PSYCHOLOGY. B.A. Iowa, 41, M.A. 43, Ph.D.(speech & audiol), 53. Jr. acoustical engr, C.G. Conn. Ltd, Inc, 44-46; RES. PSYCHOLOGIST, NAVAL ELECTRONICS LAB. CENTER, 47- Nat. Sci. Found. fel, Cambridge, 59-60; exchange scientist, med. res. coun. appl. psychol. res. unit, Cambridge, 66-67; asst. prof, San Diego State Col, 68. Mem. cmt. on hearings & bioacoustics, Nat. Res. Coun-Armed Forces, 55- AAAS; fel. Acoustical Soc; Psychol. Asn; Speech & Hearing Asn. Speech communications in high level noises; competing voice messages; perception of complex sounds. Publ: Co-auth, Effects of response complexity upon listening to competing messages, Speech communications as limited by ambient noise, 65 & Information in certain multidimensional sounds, 66, J. Acoustical Soc. Am. Address: Code S330, Naval Electronics Lab. Center, San Diego, Calif. 92152.

WEBSTER, DR. PHILIP M(AXWELL), b. Stitzer, Wis, July 7, 23; m. 44; c. 3. ECONOMICS. B.S. Wisconsin, 47, M.S. 48, Ph.D. 55. Economist, Bd. Governors, Fed. Reserve Syst, 50-56; indust. economist, Fed. Reserve Bank of Atlanta, 56-62; ECONOMIST, FED. HOME LOAN BANK OF GREENSBORO, 62- U.S.A.F, 43-46, Res, 46-62, Capt. Econ. Asn; Statist. Asn. Analysis of current economic trends and economic development of the southeast in relation to national developments, with emphasis on savings and home financing industry. Address: Federal Home Loan Bank, P.O. Drawer 21367, Greensboro, N.C. 27420.

WEBSTER, DR. ROBERT G(DEON), b. Boston, Mass, Mar. 13, 40; m. 64; c. 1. EXPERIMENTAL PSYCHOLOGY, HUMAN FACTORS. B.S. New Hampshire, 62, M.A. 63; Ph.D.(psychol), Tufts, 67. STAFF MEM. HUMAN FACTORS, SANDIA CORP, 67- Vis. asst. prof, New Mexico, 68- Human Factors Soc. Visual perception; human factors and its application to low-altitude target acquisition and to special weapons. Publ: Co-auth, Influence on extreme peripheral vision of attention to a visual or auditory task, J. Exp. Psychol, 65, Oculomotor adaptation to wedge prisms with no part of the body seen, 66 & Changes in straight ahead eye position during adaptation to wedge prisms, 67, Perception & Psychophys. Address: ORG 1642, Sandia Corp, Albuquerque, N.Mex. 87115.

WEBSTER, DR. RONALD L, b. Pittsburgh, Pa, Sept. 1, 37; m. 68. EXPERIMENTAL PSYCHOLOGY. B.A. Maine, 59; M.A. La. State, 62, U.S. Pub. Health Serv. fel, 63-64, Ph.D.(exp. psychol), 64. Res. asst, Jackson Mem. Lab, Maine, 59-60; ASST. PROF. PSYCHOL, HOLLINS COL, 64- Grants, Nat. Inst. Ment. Health, 65-66; Nat. Inst. Child Health & Human Development, 66-68, 67-69. AAAS; Psychol. Asn. Language development; stuttering. Publ: Co-auth, The influence of prenatal administration of tranquilizing drugs upon learning behavior in adult albino rats, 65 & Adverse effects on offspring of tranquilizing drugs during pregnancy, 67, Nature & Interrelationships among fluency producing variables in stuttered speech, J. Speech & Hearing Res, (in press). Address: Box 683, Hollins College, Va. 24020.

WECHSLER, DR. STANLEY, b. Brooklyn, N.Y, Nov. 2, 34; m. 61. PSYCHOLOGY. B.A. Brooklyn Col, 54; Ph.D.(exp. psychol), Tennessee, 59. Res. assoc. physiol. psychol, Tennessee, 59-60; teaching mach. proj, E.R. Johnstone Training & Res. Center, N.J, 60-62; assoc. PSYCHOL, dept. neurol. & psychiat, med. sch, Northwestern, 62-67; ASSOC. PROF, STATE UNIV. N.Y. COL. BROCKPORT, 67- U.S.A. 54-56. AAAS; Animal Behav. Soc; Psychonomic Soc; Psychol. Asn; Int. Primatol. Soc. Animal behavior; primate social behavior; social dominance; early experience; social facilitation and imitation. Publ: Effect of age on locomotion and exploration; Effect of age and pre-natal X-irradiation on avoidance learning and extinction; co-auth, Shock to a conspecific as an aversive stimulus. Address: Dept. of Psychology, State University of New York College at Brockport, Brockport, N.Y. 14420.

WECHSLER, DR. DAVID, b. Lespedi, Rumania, Jan. 12, 96; nat; m. 39; c. 2. CLINICAL PSYCHOLOGY. B.A. City Col. New York, 16; M.A. Columbia, 17, Ph.D. 25; Paris, 20-21. Clin. prof. clin. psychol. sch. med, N.Y. Univ, 35-61, adj. prof, grad. sch. arts & sci, 38-61; RES. & WRITING, 61- Chief psychologist, Bellevue Psychiat. Hosp, 32-67; Beber vis. prof, Hebrew Univ, Israel, summer, 67; mem. bd. gov, 67- Consult, U.S. Secy. War, 41-43; Vet. Admin, 46- Dipl. Am Bd. Exam. Prtnl. Psychol, 46, dir. & v.pres, 46-52. Sanit. & Sig.C, U.S.A. 18-19. Psychol. Asn; Psychopath. Asn.(pres, 59-60); Orthopsychiat. Asn; Asn. Ment. Deficiency; Soc. Gen. Sys. Res; Soc. Res. Child Develop. Measurement of intelligence; nonintellectual factors in intelligence; intellectual changes with age; chronoxie; psychogalvanic reflex; range of human capacities; Wechsler-Bellevue & Wechsler adult intelligence scale; Wechsler intelligence scale for children; Wechsler preschool and primary scale of intelligence. Publ: Manual for Wechsler preschool and primary scale of intelligence, Psychol. Corp, N.Y. 67. Address: 145 E. 92nd St, New York, N.Y. 10028.

WECHSLER, DR. HENRY, b. Warsaw, Poland, Aug. 16, 32; nat; m. 55; c. 3. SOCIAL PSYCHOLOGY. A.B. Washington & Jefferson Col, 53; M.A. Harvard, 55, Ph.D.(soc. psychol), 57. Res. assoc. Joint Cmn. Ment. Illness & Health, 57-58; res. assoc. & asst. prof. psychol, Clark, 58-59; res. soc.

- psychologist, Mass. Ment. Health Center, 59-65; DIR. RES. MED. FOUND., INC, BOSTON, 65-; INSTR. SOC. PSYCHOL. SCH. PUB. HEALTH, HARVARD, 66-; res. assoc. sch. med, 60-66. Psychol. Asn; Sociol. Asn; Pub. Health Asn. Social factors in public and mental health; research methodology in social sciences. Address: 29 Commonwealth Ave, Boston, Mass. 02116.
- WECKLER, PROF. J(OSEPH) E(DWIN), Soc. Anthropol. Ethnol. see 10th ed, Soc. & Behav. Vols, deceased 64.
- WECKLER, PROF. NORA, b. Toronto, Ont, Feb. 16, 15; nat; m. 41; c. 2. PSYCHOLOGY. B.A., Toronto, 37, M.A., 38, Ph.D.(psychol), 41. Instr. psychol, Maryland, 42-43; res. assoc. human develop, Chicago, 44-45; lectr. psychol, Southern California, 46-49; California, Los Angeles, 50-55, ed. consult, 52-55; asst. prof. PSYCHOL., Los Angeles State Col, 55-58; assoc. prof. & chmn. dept, SAN FERNANDO VALLEY STATE COL, 58-62, PROF, 63- Res. assoc. Bedford Col, London, Eng, 65-66; assoc. dir, Off. Econ. Opportunity Training & Develop. Center, 67- Psychol. Asn. Personality; human development; human relations; sensitivity training. Address: Dept. of Psychology, San Fernando Valley State College, 18111 Nordhoff St, Northridge, Calif. 91324.
- WECKOWICZ, DR. T(HADDEUS) EUGENE, Psychiat, see 11th ed, Phys. & Biol. Vols.
- WECKSTEIN, DR. RICHARD S(ELIG), b. New York, N.Y., Feb. 11, 24; m. 47; c. 2. ECONOMICS. Ph.B., Wisconsin, 47; M.A. & Ph.D.(econ), Yale, 53. Instr. ECON, Yale, 48-50; N.Y. Univ, 50-53; asst. prof, Buffalo, 53-57; prof, Gadga Mada, Indonesia, 57-58; vis. assoc. prof, Rochester, 58-59; asst. prof, Williams Col, 59-62; assoc. prof, BRANDEIS, 62-68, PROF, 68- Soc. Sci. Res. Coun. fel, Michigan, 55. Agr. Develop. Coun. grant, land reforms in Mexico. Econ. consult, Govt. Liberia, 65 & 66. U.S.A.A.F., 42-46, Lt. Econ. Asn; Economet. Soc. Economic theory; development economics; probability and uncertainty; welfare economics. Publ: Welfare criteria and changing taste, Am. Econ. Rev; On the use of probability theory in economics, Rev. Econ. Studies; Probable knowledge and singular acts, Metroeconomica. Address: Stonehedge, Lincoln, Mass. 01773.
- WEDEEN, PROF. SHIRLEY ULLMAN, b. New York, N.Y., May 29, 26; m. 52; c. 2. EDUCATIONAL PSYCHOLOGY. B.A., Brooklyn Col, 46; M.A., N.Y. Univ, 47, Ph.D.(psychol), 51. Teacher ed, BROOKLYN COL, 48-49, psychol, 49-50, ED, 50-51, instr, 51-58, asst. prof, 59-65, ASSOC. PROF, 65-. ASST. DEAN STUDENTS, 66-, coordinator, basic skills center, 61-64, gen. counseling prog, 65-66. Psychol. Asn. Publ: College reader, 58 & Advanced college reader, 63, Putnam; contrib. to various profnl. jour. Address: Dept. of Education, Brooklyn College, Bedford Ave. & Ave. H, Brooklyn, N.Y. 11210.
- WEDEL, DR. WALDO R(UDOLPH), b. Newton, Kans, Sept. 10, 08; m. 39; c. 3. ANTHROPOLOGY. A.B., Arizona, 30; M.A., Nebraska, 31; Ph.D.(anthropol), California, 36. Archeologist, Nebr. State Hist. Soc, 36; asst. curator, div. archeol, U.S. Nat. Mus, 36-40, assoc. curator, 40-49, curator, 50-62, head curator, dept. anthropol, 62-65; SR. ARCHAEOLOGIST, SMITHSONIAN OFF. ANTHROP, 65- Nat. Acad. Sci; AAAS, Anthropol. Asn; Soc. Am. Archaeol. (secy, 42-48, pres, 48). Archeology; ethnohistory; aboriginal human ecology in Great Plains. Publ: Some aspects of human ecology in the central plains, Am. Anthropologist, 53; An introduction to Kansas archaeology, Bur. Am. Ethnol, 59; Prehistoric man on the Great Plains, Oklahoma, 61. Address: Office of Anthropology, Smithsonian Institution, Washington, D.C. 20560.
- WEED, PROF. FREDERIC A(UGUSTUS), b. Potsdam, N.Y., Sept. 9, 18; m. POLITICAL SCIENCE. B.A., State Univ. N.Y., 40; M.A., Columbia, 41, scholar, 41-42, LL.B., 48, Ph.D., 49. Tutor govt, City Col. New York, 46-48; instr. soc. studies, State Univ. N.Y. Col. Ed.(Albany), 48-50; from asst. prof. to assoc. prof. polit. sci., Northern Illinois, 50-56; PROF. POLIT. SCI., SAN JOSE STATE COL, 56-, head dept, 59-65. Fulbright lectr, Lima, Peru, 66-67. U.S.A., 42-45, Res, 50-, Maj. Polit. Sci. Asn; Am. Soc. Int. Law. International relations; international law; American government and politics; constitutional law. Publ: Co-auth, The UN story; auth, Libertad de prensa en los Estados Unidos, Derecho, 66. Address: Dept. of Political Science, San Jose State College, San Jose, Calif. 95114.
- WEED, W. DWIGHT b. Chillicothe, Ohio, May 20, 14; m. 40; c. 2. SOCIOLOGY, ANTHROPOLOGY. M.A. & B.S., Ohio State, 36; Swift fel, Northwestern, 43-44, B.D., 43; Columbia, 47-48; M.A., North Carolina, 53. Mgr. Riverview Paper Co, Dexter, N.Y., 45-47; asst. prof. sociol, St. Lawrence, 47-51; exec. dir, Children's Home, Inc, Burlington, Vt, 53-55; asst. actuary, Nationwide Ins. Cos, Columbus, 56-65; RETIRED. Consult, Brookhaven Home for Boys, Chelsea, Vt, 54-55. Fel. Sociol. Asn. Cultural sociology; human ecology; sociology of religion and religious institutions. Publ: Oil in a changing world; Workmen's compensation in Ohio; ed, Insurance in the markets of the 1960's. Address: Singing Springs Farm, R.D. 2, Delaware, Ohio 43015.
- WEEKS, DR. ALBERT LOREN, b. Highland Park, Mich, Mar. 28, 23. POLITICAL SCIENCE. M.A., Chicago, 49; Carnegie Corp. grant, Columbia, 50, Ph.D.(polit. theory), 65, cert. Russian Inst, 60. Russian analyst, int. broadcasting div, U.S. Dept. State, 50-53; polit. analyst, Free Europe Cmt, 53-55, sr. polit. analyst, 55-56; ASSOC. PROF. RUSSIAN POLIT. HIST, N.Y. UNIV, 61- Lectr, Columbia, 51-53; weekly broadcaster, A Week's View of the Red Press, Nat. Broadcasting Co. U.S.A.A.F., 43-45, 2nd Lt. Acad. Polit. & Soc. Sci; Asn. Adv. Slavic Studies. Soviet theory of the state and law; Russian radical revolutionism of the 1870's. Publ: Reading American history; McGraw, 63; The first Bolshevik: a political biography of Peter Tkachev, N.Y. Univ, 68. Address: 124 Washington Place, New York, N.Y. 10014.
- WEEKS, DR. D(ALE) H(ARVEY), b. Evanston, Ill, Aug. 30, 16; m. 40; c. 3. ECONOMICS. A.B., Iowa, 38, A.M., 40; Minnesota, 41; Ph.D.(econ), Nebraska, 55. Assoc. prof. econ. & bus. admin, Gustavus Adolphus Col, 43-44; prof, Nebraska Wesleyan, 44-57; ASSOC. PROF. ECON, NORTHERN ILLINOIS, 57- Econ. Asn. Food and drug legislation; government-business relationships; transportation; public utilities; anti-trust. Publ: Taxation of public utilities. Address: Dept. of Economics, Northern Illinois University, DeKalb, Ill. 60115.
- WEEKS, PROF. DAVID, b. Aurora, Nebr, Sept. 22, 90; m. 16; c. 3. AGRICULTURAL ECONOMICS. B.S., Nebraska, 15, C.E., 21; M.S., Iowa State Col, 19; Ph.D.(agr. econ), California, 26. Asst. to chief, State Land Settlement Bd. & chief div. rural insts, California, 22-23, res. assoc, California & spec. investr, Fed. Land Bank, Berkeley, 23-24; res. assoc, CALIFORNIA, BERKELEY, 24, assoc. agr. economist, exp. sta. & Giannini Found, 24-46, in charge invests. land econ, univ, 25-26, 27-28, assoc. prof. AGR. ECON, 28-46, prof, univ. & agr. economist, exp. sta, 46-58, EMER. PROF, 58- Prof, Nanking, 32; Fulbright lectr, Univ. Padova, 54-55. Consult. engr, Bur. Reclamation, 24; consult. to pres, Bolivia, 26-27; Patino Miles, Inc, 28; Nat. Resources Planning Bd, 41; President's Water Resources Policy Cmn, 50; State Dept. Water Resources, Calif, 57-61, Eldorado County, 60-61; consult. & collab, U.S. Dept. Agr; tech. adv, Food & Agr. Orgn, Brazil, 53; consult. agr. economist, Kern Co, Calif, 63, hydraulics works dept. Turkey, 64-65; Kuwait Govt, 65; Corp. Venezolana de Guayana, Venezuela, 66-67. Dir. dept. agr, Corp. Boliviana de Fomento, La Paz, 43-44. Land economics; irrigation economics. Address: 154 Avenida Dr, Berkeley, Calif. 94708.
- WEEKS, PROF. DAVID L(EE), Math. Statist, see 11th ed, Phys. & Biol. Vols.
- WEEKS, DR. ELTON E(DDEINE), b. Lopez, Wash, Dec. 11, 23; m. 50; c. 4. AGRICULTURAL ECONOMICS. B.S., Washington State, 53, M.A., 55; Ph.D., Pa. State, 60. Asst. agr. econ, Wash. State Col, 53-54, acting jr. agr. economist, 54-55; asst. & instr. agr. econ, Pa. State, 55-59; asst. agr. economist, WASHINGTON STATE, 59-64, ASSOC. PROF. AGR. ECON, 64- U.S.A. 45-47. Econ. Asn; Agr. Econ. Asn. Agricultural policy; regional economic analysis; resource economics. Publ: Co-auth, The Washington economy: an input-output study, Univ. Washington & State of Wash, 67; auth, Maximum profit livestock rations that include wheat, J. Farm Econ, 8/65; co-auth, Some impacts of adding livestock to selected wheat farms, Univ. Washington Bus. Rev, 10/65. Address: Dept. of Agricultural Economics, Washington State University, Pullman, Wash. 99163.
- WEEKS, PROF. H(ERBERT) ASHLEY, b. Melrose, Mass, July 17, 03. SOCIOLOGY. A.B., Berea Col, 31; A.M., Nebraska, 32; Ph.D., Wisconsin, 39. Instr. State Col. Wash, 36-38, asst. prof, 38-43, assoc. prof, 46; adj. assoc. prof. sociol, N.Y. Univ, 48-57; RES. ASSOC, bur. hosp. admin, sch. bus, MICHIGAN, 57-60, BUR. PUB. HEALTH ECON, SCH. PUB. HEALTH, 60- Vis. prof. & dir. res, study delinquency & youth, Ohio State, 54-55; Soc. Sci. Res. Coun. res. grant, 39. Consult, U.S. High Comnr. Off, Germany & Off. Mil. Govt, summers, 49-51; sch-work proj, Jewish Voc. Serv, Milwaukee, 62-67. Sr. sociologist & chief statistician, troop attitude res. br. U.S. Dept. War, 43-46, res. dir, Europe, 46-48. Fel. Sociol. Asn; Soc. Study Social Probs. Delinquency, attitude and research in the family; medical sociology: juvenile delinquency and broken homes in Spokane, Washington; differential divorce rates by occupation and religion. Publ: An evaluation of the services of the State of Ohio to its delinquent children and youth; Youthful offenders at Highfields; Family spending patterns and health care. Address: Medical Care Organization, University of Michigan, 343 S. Main St, Ann Arbor, Mich. 48108.
- WEEKS, PROF. JAMES S(ANDERS), b. Nashua, N.H., Dec. 27, 19; m. 47; c. 3. EDUCATIONAL PSYCHOLOGY, GUIDANCE. B.S., New Hampshire, 48; M.S., Syracuse, 51, Ed.D.(guid. & counseling), 55. Teacher, Wilton High Sch, N.H., 48-50; asst. counseling, testing & statist, Syracuse, 52-54, counsr, Va. Guid. Center, 54-55; Otsego County Voc. Bd, N.Y., 55-56; asst. prof. guid, measurement & statist, Buffalo, 56-57; coordinator guid. & dir. testing, Eastern Michigan, 57-58, asst. prof. ed, 58-60; assoc. prof, 60-61; GUID. & COUNSELLING, Colorado, 61-65; PROF, EASTERN MICHIGAN, 65- Summer lectr, Mich. State, 60. U.S.A., 40-45. Psychol. Asn; Personnel & Guid. Asn; Measurement in Ed. Content analysis of counseling interviews; prediction of academic success; methods of counselor education. Publ: Level of affect in the counseling responses of high school senior boys, J. Counseling Psychol; co-auth, The unique educational function of the school counselor, Sch. Counsr, 66; auth, Prediction studies for the school counselor, In: Research guidelines for the high school counselor, Col. Entrance Bd, 67. Address: Dept. of Education, Eastern Michigan University, Ypsilanti, Mich. 48197.
- WEEKS, PROF. O(LIVER) DOUGLAS, b. Marion, Ohio, Sept. 4, 96; m. 27; c. 2. GOVERNMENT. A.B., Ohio Wesleyan, 18; scholar, Wisconsin, 18-20, A.M., 19, Ph.D., 24. Instr, TEXAS, AUSTIN, 24-25, assoc. prof. GOVT, 26-33, prof, 33-66, chmn. dept, 35-47, 50-57, EMER. PROF, 66- Asst. prof, Western Reserve, 25-26; mem. faculty, U.S. Army Univs, Eng. & France, 45-46. Polit. Sci. Asn. American politics and elections; political thought; legislation. Publ: Texas one-party politics in 1956; Texas in the 1960 Presidential election; Texas in 1964—a one party state again, Inst. Pub. Affairs, Univ. Texas, Austin, 65. Address: 1606 Northwood Rd, Austin, Tex. 78703.
- WEEKS, DEAN RICHARD R(ALPH), b. Champaign, Ill, Sept. 18, 32; m. 53; c. 2. MARKETING. B.S., Illinois, 55; M.B.A., Washington (St. Louis), 60, univ. fel, 60-61, Am. Asn. Col. Schs. Bus. fel, 64-65, D.B.A.(mkt), 66. Exec. secy, Am. Asn. Col. Schs. Bus, 60-64; asst. prof. bus, Okla. State, 65-66, assoc. prof. bus. & asst. dean, 66-67, dir. M.B.A. prog, 65-67; PROF. MKT. & DEAN, ROOSEVELT, 67- Secy-treas, Coun. Prfl. Ed. Bus, 60-64; mem. bd. dirs, Chicago Econ. Develop. Corp, 68- U.S.A.F., 55-58, Capt. Mkt. Asn. International marketing; impact of the marketing concept on selling organizations; use of music in television advertising; design of business programs for disadvantaged students; consumer behavior. Publ: Ed, Faculty Personnel, South-Western Pub. 9th ed, 65; Business administration, In: American Universities and Colleges, Am. Coun. Ed, 9th ed, 64; Consumer behavior, Bus. Perspectives, fall 65. Address: Roosevelt University, 430 S. Michigan Ave, Chicago, Ill. 60605.
- WEEKS, PROF. SILAS B(URLING), b. Mineola, N.Y., Nov. 1, 14; m. 39; c. 2. ECONOMICS. B.S., Cornell, 37. Supvr, Farmers Home Admin, Conn, 39-46; agr. economist, bur. agr. econ, div. farm mgt. costs, Connecticut, 47-49;

price & milk mkt. economist, Off. Price Stabilization, Conn. & Mass., 50-52; ASSOC. PROF. AGR. ECON. & RESOURCE DEVELOP. & EXTEN. ECONOMIST, NEW HAMPSHIRE, 55-, EXTEN. PROG. LEADER, COMMUNITY RESOURCES DEVELOP., 64-, MEM. FACULTY, RESOURCE DEVELOP. CENTER, 65- Kellogg fel. agr. policy inst. N.C. State, 62-63; prog. dir. title I, Higher Ed. Act, State of N.H., 66-67. Consult. dept. resources & econ. develop. State of N.H., 63- Agr. Econ. Assn; Acad. Polit. & Soc. Sci. Economics of decision making in the individual farm firm and management; adjustments of individual farm firms to technological and price change. Publ: Co-auth, Taxes and the New Hampshire citizen, Univ. New Hampshire, 64; auth, Economic base study: Grafton County, N.H. Dept. Resource Econ, Univ. New Hampshire, 64; co-auth, Some principles used in farm management decisions, N.E. Farm Mgt. Cmt, 66. Address: Dept. of Resource Economics, Morrill Hall, University of New Hampshire, Durham, N.H. 03824.

WEEMS, PROF. C(LARENCE) N(ORWOOD), Polit. Sci., see 10th ed, Soc. & Behav. Vols.

WEEMS, PROF. ROBERT CICERO, JR., b. Meridian, Miss., July 22, 10; m. 41; c. 1. ECONOMICS, FINANCE. B.S., Miss. State, 31; M.B.A., Northwestern, 34; Ph.D.(econ), Columbia, 51. Instr. bus. admin, Miss. State, 34-36, asst. prof., 36-38, assoc. prof., 38-40, prof. & dean sch. bus. & indust., 40-56; PROF. & DEAN COL. BUS. ADMIN. & DIR. BUR. BUS. & ECON. RES., NEVADA, 56- Trustee, Am. Hotel Assn, Ed. Inst., 51-; Am. Inst. Econ. Res., 67- Mem. Nat. Export Expansion Coun, U.S. Dept. Commerce, 65- U.S.N., 41-45, Lt. Comdr. Econ. Assn; Statist. Assn; Finance Assn. Banking; economic history. Address: College of Business Administration, University of Nevada, Reno, Nev. 89507.

WEENER, DR. PAUL DAVID, b. Holland, Mich., Oct. 16, 40; m. 61; c. 2. EDUCATIONAL PSYCHOLOGY. A.B., Calvin Col., 62; M.A., Michigan, 64, Ph.D. (ed. psychol), 67. ASST. PROF. ED. PSYCHOL., PA. STATE, 68- Ed. Res. Assn; Psychol. Assn. Language development in children; social dialects; individual differences in learning abilities. Publ: Studies in language & language behavior. I The syntactical structures of preschool children from contrasting social environments, 65, & co-auth, V The changes in psycholinguistic functioning of children after one year in an integrated school, 67, Center Res. Lang. & Lang. Behav, Univ. Michigan; co-auth, A critical evaluation of the Illinois test of psycholinguistic abilities, Excep. Children, 6: 373-380. Address: Educational & Psychological Center II, Pennsylvania State University, University Park, Pa. 16801.

WEGENER, DR. JONATHAN GEORGE, b. Chicago, Ill., July 10, 23; m. 53; c. 3. PHYSIOLOGICAL PSYCHOLOGY. Ph.D., Chicago, 54. Fel. neurophysiol. Inst. Living, Conn., 54-57; asst. prof. psychol., Yale, 57-63; RES. ASSOC. NEURAL SCI., INDIANA, 65- U.S.A., 43-46. AAAS; Psychol. Assn; Psychonomic Soc. Brain function; role of brain in sensory integration; brain mechanisms of response integration. Publ: Auditory discrimination behavior of normal monkeys, 64 & Auditory discrimination behavior of brain-damaged monkeys, 64, J. Auditory Res; co-auth, Behavior flexibility and the frontal lobes, Cortex, 66. Address: Center for Neural Sciences, Indiana University, Bloomington, Ind. 47401.

WEGGE, DR. LEON LOUIS, b. Breendonk, Belgium, June 9, 33; m. 62; c. 1. ECONOMICS. Baccalaureate, Louvain, 57, lic. econ, 58; Ph.D.(econ), Mass. Inst. Tech., 63. Assoc. lectr. statist. & economet, New South Wales, 63-66; lectr. ECON. THEORY & ECONOMET, CALIFORNIA, DAVIS, 66-67, ASSOC. PROF., 67- Economic, statistical and computational aspects of simultaneous equations models. Publ: Identifiability criteria for a system of equations as a whole, Australian J. Statist., 65; On a discrete version of the Newton-Raphson method, J. Siam Numerical Anal., 66; The demand curves from a quadratic utility indicator, Rev. Econ. Studies, 68. Address: Dept. of Economics, University of California, Davis, Calif. 95616.

WEHLING, PROF. L(OUIS) ALBERT, b. Chicago, Ill., Aug. 20, 10; m. 56; c. 3. GOVERNMENT, LAW. A.B., Illinois, 32; J.D., Chicago, 35; A.M., Southern California, 40. PROF. GOVT. & HEAD DEPT., VALPARAISO, 49- U.S.N.R., 42-45, Comdr. Polit. Sci. Assn. American government and diplomacy; constitutional and international law. Address: Dept. of Government, Valparaiso University, Valparaiso, Ind. 46383.

WEHMER, DR. FRANCINE, b. New York, N.Y., May 19, 36; m. 64. PSYCHOLOGY. B.A., City Col. New York, 59; M.A., Vanderbilt, 63, Ph.D.(psychol), 64. Nat. Insts. Health fel. PSYCHOL., California, Berkeley, 63-64; ASST. PROF., Fisk, 64-65; WAYNE STATE, 65- Vis. summer investr., Jackson Labs, 66. AAAS; Psychol. Assn. Early experience; brain chemistry; behavior relationships. Address: Dept. of Psychology, Wayne State University, Detroit, Mich. 48202.

WEHNER, DR. ROBERT JOSEPH, b. Boston, Mass., Aug. 9, 23; m. 48; c. 7. POLITICAL SCIENCE. B.A., Am. Int. Col., 64; Smith Col., 64; M.A., Massachusetts, 65, Ph.D.(polit. sci), 67. Instr. POLIT. SCI., Keene State Col., 66-67; ASST. PROF. SPRINGFIELD COL., 67- U.S.A.F., 42-63, Maj. Polit. Sci. Assn; Acad. Polit. & Soc. Sci. U.S. status of forces agreements and their fair trial provisions; due process and administrative actions in the U.S. Armed Forces. Address: 80 West Akard St, Ludlow, Mass. 01056.

WEHR, DR. PAUL E, b. Mt. Vernon, N.Y., Mar. 1, 37; m. 63; c. 1. INTERNATIONAL RELATIONS, SOCIOLOGY. B.A., Connecticut, 58; M.A., North Carolina, 60; Ph.D.(int. rels), Pennsylvania, 68. DIR. CENTER NON-VIOLENT RESOLUTION CONFLICT, HAVERFORD COL., 67- Local political and economic development in Algeria; conflict studies and resolution, particularly inter-group and inter-state relations. Publ: Nonviolent and differentiation in the equal rights movement, Sociol. Inquiry, spring 68; Nonviolent confrontation in a Southern sit-in, In: Nonviolent direct action: American cases; social psychological analyses, Corpus, fall 68. Address: Dept. of Sociology, Haverford College, Haverford, Pa. 19041.

WEHRLE, DR. LEROY S, b. St. Louis, Mo., Feb. 5, 32; m. 59; c. 1. ECONOMICS. B.A., Washington (St. Louis), 53; M.A., Yale, 56, Ph.D.(econ), 59. Prog. economist, Agency Int. Develop. Mission, Laos, 59-61; ar. economist, Pres-

ident's Coun. Econ. Adv., 61-62; dep. mission dir., AGENCY INT. DEVELOP., Laos, 62-64; assoc. dir. mission & econ. counsr. embassy, VIETNAM, 64-67; DEP. ASST. ADMINSTR., 67- Fel. inst. polit., John F. Kennedy Sch. Govt., Harvard, 68-69. Distinguished honor award & Superior honor award, U.S. Dept. State; William A. Jump Mem. govt. award; Distinguished merit award, Govt. Vietnam. U.S.A., 53-55, 1st Lt. Econ. Assn. Economic and political development of the less developed countries; international trade and income patterns between less developed and developed areas; economic and social problems of the ghettos; world agricultural development. Publ: Studies of portfolio behavior, Yale, 67; Culbertsen on interest structure, Quart. J. Econ., 11/59; The role of government in economic development, Fed. Bar J., fall 61. Address: 601 Fourth St, S.W., Washington, D.C. 20024.

WEHRLY, DR. JAMES S(AMUEL), b. Kane, Ill., Apr. 14, 23; m. 49; c. 3. AGRICULTURAL ECONOMICS. B.S., Illinois, 49, M.S., 51; Ph.D.(agr. econ), Purdue, 62. County agr. agent, Purdue, 53-59, res. asst. agr. econ., 59-62; asst. economist, Tex. Agr. Exp. Sta., 62-65; ASSOC. PROF. AGR. ECON., TEXAS A&M, 65- U.S.N., 45-46. Agr. Econ. Assn. Economics of agricultural water use; farm firm investment and growth problems. Publ: Co-auth, Debt load capacity of farms, Res. Bull. 780, Agr. Exp. Sta., Purdue Univ., 61-64; Economic decisions in producing irrigated grain sorghum on the northern high plains of Texas, MP-747, Tex. Agr. Exp. Sta., U.S. Dept. Agr., 12/64 & Economic problems and present research status of irrigation in the Southern plains, In: Irrigation as a factor in the growth, operation and survival of Great Plains farms, Great Plains Agr. Coun. Publ. No. 30, U.S. Dept. Agr., 11/67. Address: Dept. of Agricultural Economics & Sociology, Texas A&M University, College Station, Tex. 77843.

WEHRLY, MAX S(ILER), b. U.S., Aug. 17, 05; m. 32; c. 2. URBAN PLANNING. B.L.A., Pennsylvania, 31; M.C.P., Harvard, 35. Mem. staff, urbanism cmt. Nat. Resources Planning Bd., 36-37; landscape architect, Nat. Capital Park & Planning Cmn, D.C., 37-40, city planner, 41-46; asst. dir., URBAN LAND INST., 46-50, EXEC. DIR. & ED. PUBS., 51- Mem. adv. cmt. U.S. Census Housing, 50, 60, 70; Nat. Capital Regional Planning Coun., 53-61, chmn., 55-56; bldg. res. adv. bd., Nat. Acad. Sci., 59-62. Inst. Planners (distinguished serv. award, 65). Landscape architecture; urban land use, including physical planning, land economics, public policy and controls, finance and development. Publ: Co-auth, Study of planned communities; ed, Community Builders Handbook & Urban land. Address: Urban Land Institute, 1200 18th St, N.W., Washington, D.C. 20036.

WEHRWEIN, DR. CARL F(REDERICK), Agr. Econ., see 10th ed, Soc. & Behav. Vols., deceased 67.

WEI, DR. YUNG, b. Wuhan, China, May 5, 37; m. 64. POLITICAL SCIENCE. LL.B., Nat. Chengchi Univ., 59; M.A., Oregon, 63, Ph.D.(polit. sci), 67. Instr. POLIT. SCI., Nevada Southern, 66-67, ASST. PROF., 67-68; MEMPHIS STATE, 68- Lectr., workshop southeast Asia, East. Wash. State Col., summer 66; Univ. Nevada Desert Res. Inst., behav. sci. cmt. res. grant, 67-68. Coun. mem. Pac. Area Intercollegiate Coun. Asian Studies, 67- Army Repub. China, 59-61, 2nd Lt. Polit. Sci. Assn; Int. Studies Assn. Comparative study of political elites, especially the elites of China; study of inter-nation interaction by simulational approach; problems related to the political system of Communist China. Publ: The political attitude of the American intellectuals, Cent. Weekly, Taiwan, 7/66. Address: Dept. of Political Science, Memphis State University, Memphis, Tenn. 38111.

WEIANT, DR. CLARENCE WOLSEY, b. West Haverstraw, N.Y., Nov. 30, 97; m. 30; c. 2. ANTHROPOLOGY. D.C., Palmer Sch. Chiropractic, 21; Ph.D. (Mex. archaeol), Columbia, 43. From dean to emer. dean, Chiropractic Inst., N.Y., 44- Lectr., Hunter Col., 43-51; Explorers Club grant, 53; Parapsychol. Found., Inc. Transl. grants, 66- With Nat. Geog. Soc.-Smithsonian Inst. archaeol. exped., Tres Zapotes, Mex., 38-39. Fel. Anthropol. Assn; Soc. Am. Archaeol.; Parapsychol. Assn. Mexican archaeology; parapsychology. Publ: Introduction to the ceramics of Tres Zapotes; Digging in Chiapas; Medicine and chiropractic. Address: 809 Terrace Place, Peekskill, N.Y. 10566.

WEIDE, DR. THOMAS N(EWELL), b. New Castle, Pa., July 11, 31; m. 56; c. 3. CLINICAL PSYCHOLOGY. A.B., Kentucky, 53; univ. fel., Stanford, 53-54, U.S. Pub. Health Serv. fel., 56-57, Ph.D.(clin. psychol), 59. Clin. psychologist, SANTA CLARA COUNTY MENT. HEALTH SERV., 59-62, supvr. clin. psychologist, 62-65, CLIN. PSYCHOLOGIST, 65- Private practice, 59- Psychol. Assn. Mental health consultation; psychotherapy emphasizing self-realization; autonomy versus conformity in group activity. Address: 1622 Andalusia Way, San Jose, Calif. 95125.

WEIDENBAUM, PROF. MURRAY L(EW), b. Bronx, N.Y., Feb. 10, 27; m. 54; c. 3. ECONOMICS. B.B.A., City Col. New York, 48; M.A., Columbia, 49; Banbury fel., Princeton, 52-54, M.P.A., 54, Ph.D., 58. Res. economist, State Dept. Labor, N.Y., 48-49; fiscal economist, U.S. Bur. Budget, exec. off. of President, 49-57; economist, Convair Div., Gen. Dynamics Corp., 57-58; corporate economist, Boeing Co., 58-63; ar. economist, Stanford Res. Inst., 63-64; assoc. prof. ECON., WASHINGTON (ST. LOUIS), 64-66, PROF. & CHMN. DEPT., 66- Consult., Congressional Joint Econ. Cmt., 68- Mem. bus. res. adv. coun., U.S. Dept. Labor, 59-; dept. commerce & econ. develop., U.S. Dept. State, 60-, consult., cmt. econ. consequences of disarmament, 61; mem. cmt. govt. ops. & expenditures, U.S. Chamber Commerce, 59-, chmn., subcm. mil. & int. budgets, 60-; exec. secy., President's Cmt. Econ. Impact of Defense & Disarmament, 64; dir., econ. res. prog., NASA, 64-; mem. cmt. sci. tech. & regional growth, Nat. Acad. Sci., 67- U.S.A., 45. Econ. Assn; Statist. Assn; Asn. Bus. Econ. Changing structure of the public sector; economic impact of defense spending; federal budgetary process; industrial planning. Publ: Timing of the economic impact of government spending, 3/59 & Congressional control of the public purse, 12/65, Nat. Tax J.; Arms and the American economy, Am. Econ. Rev., 5/68. Address: Dept. of Economics, College of Arts & Sciences, Washington University, St. Louis, Mo. 63130.

WEIDENHAMMER, DR. ROBERT MARTIN, b. Limburg, W. Germany, Dec. 5, 01; nat; m. 48; c. 1. FINANCE. Ph.D., Jena, 25. Asst. prof. econ., Minnesota, 27-33; investment banking, Riter & Co., 33-41; chief, iron & steel div., U.S. Dept.

- Commerce, 41-53; PROF. FINANCE, GRAD. SCH. BUS. PITTSBURGH, 54-Pres, Cosgrove-Meehan Coal Co, 35-46; exec. v. pres. & dir, Kirk Indus. Inc, 46- Consult, U.S. Depts. Commerce & Labor, 55-; Westinghouse Elec. Corp, 68. Mem. cmt. taxation & chmn. subcmt. exec. stock options, U.S. Chamber Commerce, 55-; coordinator staff steel imports, cmt. finance, U.S. Senate, 67-68. Am. Econ. Assn; Royal Econ. Soc. Business forecasting; monetary and fiscal policies; investment management. Publ: Analysis of bank failures; Capital needs of American industries. Address: 10500 Rockville Pike, Rockville, Md. 20852.
- WEIDLER, DEAN WALTER C(ROTHERS), Mkt, see 10th ed, Soc. & Behav. Vols, deceased 63.
- WEIDMAN, DR. HAZEL HITSON, b. Taft, Calif, Aug. 3, 23; m. 60; c. 1. SOCIAL ANTHROPOLOGY. B.Sc, Northwestern, 51; A.M, Radcliffe Col, 57, Ph.D.(soc. anthrop), 59. Appl. anthrop. in med. & pub. health practice, Mass. Dept. Pub. Health, 59-60; U.S. Pub. Health Serv, summer 60; Fresno County Gen. Hosp, 62-63; Calif. Dept. Pub. Health, 63-64; asst. prof. sociol. & anthrop, Col. William & Mary, 64-65; ASST. PROF. SOCIAL ANTHROPOL. MED. CENTER, ALABAMA, 65- Assoc. res. fel, soc. sci. res. inst, Univ. Hawaii, 67-68. Consult, Univ. Alabama Hosps. & Clins, 65- U.S.N.R., 43-46. Fel. Anthrop. Assn; fel. Soc. Appl. Anthropol. Southeast Asia, especially Burmese culture and personality; psychiatric anthropology. Publ: Anthropological theory and the psychological function of belief in witchcraft, In: Essays on medical anthropology, Univ. Georgia, 68; On ambivalence and the field, In: Women in the field, Aldine, (in press); Cultural values, concept of self, and projection: the Burma case, In: Mental health research in Asia and the Pacific, East-West Center, (in press). Address: Dept. of Psychiatry, University of Alabama Medical Center, Birmingham, Ala. 35233.
- WEIDNER, DR. EDWARD W(ILLIAM), b. Minneapolis, Minn, July 7, 21; m. 44; c. 4. POLITICAL & SOCIAL SCIENCE. A.B, Minnesota, 42, A.M, 43, Ph.D, 46; Wisconsin, 43-44, 45. Instr, Minnesota, 45-47, asst. prof, 47-49, asst. dir, res. intergovt. rels, 46-53; asst. prof, California, Los Angeles, 49-50; assoc. prof. polit. sch, Mich. State, 50-52, prof, 52-62, head dept, 52-57, dir. govt. res. bur, 51-55; v.chancellor, East West Center, Hawaii, 62-66; prof. polit. sci. & dir. center develop. change, 66-67; CHANCELLOR, WISCONSIN, GREEN BAY, 67- Carnegie Corp. res. grants, 56-61; Rockefeller Found. grant, 60-62; vis. sr. scholar, East West Center, 61-62; Inter-Univ. Case Prog. res. grant, 61-64. Chief adv, Vietnam Proj, 55-56, coordinator, Mich, 56-57; dir, Inst. Res. Overseas Progs, 56-60. Consult, govts. div, Bur. Census, 45, 46; President's Cmn. Intergovt. Rel, 53-54; For. Oper. Admin, Vietnam, 54-55; Ford Found, Pakistan, 56; Nat. Assn. For. Student Adv, 59-60; President's Task Force on For. Econ. Assistance, 61; U.S. Dept. State, 62-63; Agency Int. Develop, Mexico, 64-65. Mem. Cmt. Explor. Conf. on Syst. Study Polit. Sci, Soc. Sci. Res. Coun, 51-53. Polit. Sci. Assn; Soc. Pub. Admin; Int. Polit. Sci. Assn; Soc. Int. Develop; Int. Inst. Admin. Sci; Comp. Ed. Soc; Asn. Higher Ed; Asn. Asian Studies. Political and administrative behavior. Publ: Co-auth, American government, H. Holt, 51; Government in the fifty states, Holt, 60; auth, Intergovernmental relations as seen by public officials, Univ. Minnesota, 60. Address: University of Wisconsin, P.O. Box 834, Green Bay, Wis. 54305.
- WEIDNER, PROF. PAUL A, b. Cincinnati, Ohio, Sept. 16, 22; m. 54; c. 2. POLITICAL SCIENCE. B.A, Cincinnati, 48, M.A, 49; Horace Rackham fel, Michigan, 55-56, Ph.D.(polit. sci), 59. Instr. POLIT. SCI, Henry Ford Community Col, 49-60; assoc. prof, AKRON, 60-66, PROF, 66-, HEAD DEPT, 63- U.S.A, 42-46, S/Sgt. Polit. Sci. Assn. American national government, constitutional law and the judicial process. Publ: Justice Jackson and the judicial function, Mich. Law Rev, 2/55. Address: Dept. of Political Science, University of Akron, Akron, Ohio 44304.
- WEIGAND, DR. GEORGE R(OBERT) J(OSEPH), b. Trenton, N.J, Apr. 4, 17; m. 39; c. 4. PSYCHOLOGY. A.B, Hopkins, 38; Ph.D.(psychol), Maryland, 51. In charge div. gen. studies, Maryland, 47-53, asst. dean students, 53-57, dir, off. intermediate registr, 57-63; DIR. COUNSELING CENTER, EAST CAROLINA, 63- Adv. U.S. Nat. Students Assn, 53-56; voc. consult, Dept. Health, Ed. & Welfare, 67- U.S.A, 41-45, Maj. AAAS; Psychol. Assn; Personnel & Guid. Assn. Motivation; interviewing; learning theory. Publ: How to succeed in high school; Orientation and adjustment to college; co-auth, College orientation. Address: 201 Granville Dr, Greenville, N.C. 27834.
- WEIGAND, PROF. MARY KOENIG, b. Brooklyn, N.Y, Jan. 18, 22; m. 61. PSYCHOLOGY. A.B, Mt. Holyoke Col, 42; A.M, N.Y. Univ, 45; Ph.D.(ed), Yale, 57. Teacher, Brooklyn Ethical Culture Sch, N.Y, 43-45; Rochester Child Health Proj, Minn, 45-46; nursery sch, Univ. Chicago, 46-48; instr. soc. studies & child lit, Pestalozzi Froebel Teachers Col, 47-48; dir, Betsy Ross Nursery Sch, 48-55; instr. psychol. & ed, SOUTH. CONN. STATE COL, 48-55, asst. prof. PSYCHOL, 55-61, assoc. prof, 61-65, PROF, 65- Address: Dept. of Psychology, Southern Connecticut State College, New Haven, Conn. 06515.
- WEIGAND, DR. ROBERT E, b. Terre Haute, Ind, Aug. 13, 30. MARKETING, INTERNATIONAL BUSINESS. B.S, Notre Dame, 52; M.S, Illinois, 56, Ph.D. (bus), 61. From instr. to PROF. MKT, DePAUL, 59-, chmn. dept, 60-65. Am. Assn. Advert. Agencies summer fel, 64; Ford Found. summer fel, California, Berkeley, 65; vis. prof, Illinois, 67-68. U.S.A, 52-54. Mkt. Assn; Asn. Ed. Int. Bus; Econ. Assn; Coun. For. Rel. Marketing management in other cultures. Publ: The marketing organization, channels, and firm size, J. Bus, 4/63; Identifying buying responsibility, J. Mkt. Res, 2/66; The Arab League boycott of Israel, Bus. Topics, summer 68. Address: Dept. of Marketing, DePaul University, 25 E. Jackson Blvd, Chicago, Ill. 60604.
- WEIGEL, ERNEST CHARLES, b. New Rochelle, N.Y, Aug. 17, 17; m. 42; c. 1. STATISTICS, ACCOUNTING. B.S, Rutgers, 53, M.S, 55. Pub. acct, 53-56; statist. consult, 56; cost acct, West. Elec. Co, 56-61, mem. spec. studies staff statist, 58, computer, 59; statistician, C-E-I-R, Inc, 61-65; MGR. RES. DATA PROCESSING, GREY ADVERT. INC, 65- Eve. lectr, Rutgers, 80- U.S.A, 42-45, Sgt. Soc. Qual. Control; Inst. Math. Statist; Math. Assn. Operations research techniques for accounting usage. Publ: Statistical contributions to accounting procedure. Address: Market Research Dept, Grey Advertising Inc, 708 Third Ave, New York, N.Y. 10017.
- WEIGEND, PROF. GUIDO G(USTAV), b. Zeltweg, Austria, Jan. 2, 20; nat; m. 47; c. 3. GEOGRAPHY. B.S, Chicago, 42, M.S, 46, fel, 48-49, Ph.D. (geog), 49. Geogr, Mil. Intel, U.S. War Dept, 46; from instr. to asst. prof. GEOG, Beloit Col, 47-49; asst. prof, RUTGERS, 49-51, assoc. prof, 51-57, PROF, 57-, acting chmn. dept, 51-55, chmn, 55-67. Soc. Sci. Res. Coun. travel grant Basque occupation patterns, France & Spain, 56; Fulbright lectr, Barcelona, 60-61; part-time vis. prof, Columbia, 65-68; Ford Found. summer study grant, 66. With Off. Naval Res, West. European ports, 52-55. Geog. ed-in-chief, Odyssey World Atlas, 63-66. Rutgers Univ. liaison rep. to UN, 50-52; mem. nat. cmt, Int. Geog. Union, 51-58 & 62-65; mem, Transportation Res. Forum, 67- U.S.A, 43-45, Res, 50-53, 1st Lt. Am. Geog. Soc; Asn. Am. Geog; Nat. Coun. Geog. Ed. Political geography, especially as concerns ethnic minorities and border problems; port geography and ocean transportation; European and Mediterranean lands. Publ: Cultural pattern of South Tyrol; Some elements in the study of port geography, Geog. Rev; Western Europe, In: Geography of Europe. Address: Dept. of Geography, Rutgers, The State University, New Brunswick, N.J. 08903.
- WEIGERT, PROF. OSCAR, b. Berlin, Germany, Aug. 12, 86. ECONOMICS. J.D, Marburg, 15. Instr. soc. welfare, Acad. Poznan, Germany, 16-18; dir, Fed. Dept. Labor, 19-33; consult, U.S. Dept. Labor, 33-34; adv, Ministry Nat. Econ, Turkey, 35-38; assoc. prof. comp. soc. legis. & chmn. dept. soc. econ, SCH. SOC. SCI. & PUB. AFFAIRS, AMERICAN UNIV, 38-46, ADJ. PROF. COMP. SOC. LEGIS, 46- Teacher, sch. pub. admin, Berlin, 25-30; labor economist, Bur. Econ. Statist, 46- Analyst, Off. Strategic Serv, 43-46. Sociol. Assn; Soc. Pub. Admin. Social economics and security; labor market; international labor standards. Address: 12 Oxford St, Chevy Chase, Md. 20015.
- WEIKEL, CHARLES P(ORTER), b. Troy, N.Y, Nov. 14, 13; m. 39; c. 2. POLITICAL SCIENCE. A.B, California, 39, 42; American Univ, 51. Field asst, Soc. Security Bd, Oakland, Calif, 39-42; personnel mgr, Richmond Shipbldg. Div, Permanente Metals Corp, 42; field rep, Bur. Old Age & Survivors Ins, Calif, 47-48, asst. mgr, Wash, 48-50, dist. mgr, Idaho, 50, regional admin. asst, Calif, 50-51, asst. regional rep, 51-53, dist. mgr, San Juan, P.R, 53-55; asst. regional rep, soc. security admin, U.S. DEPT. HEALTH, ED. & WELFARE, SAN FRANCISCO, 55-64, ASSOC. REGIONAL CMNR, ADMIN. AGING, SOC. & REHAB. SERV, 64- Mem. admin. intern prog, U.S. Civil Serv. Cmn, 51; del, int. conf, Union Aged Generation of Europe & Int. Sr. Citizens Assn, Graz, 67. U.S.M.C, 32-36; U.S.N, 42-45, Lt. Comdr. Acad. Polit. & Soc. Sci. Organization and methods; personnel administration; social insurance; executive development. Publ: How Park Hills moved to the county line: a self study in citizen action, Inst. Govt. Studies, Univ. California, 61; He had college on the brain, Calif. Monthly, 10/61. Address: 47 The Crescent, Berkeley, Calif. 94708.
- WEIL, DR. FELIX J(OSE), b. Buenos Aires, Argentina, Feb. 8, 98; nat. ECONOMICS, GOVERNMENT. Dr. Pol. Sci, Frankfurt, 20. MEM. & CHMN. BD. TRUSTEES, INST. SOC. RES, FRANKFORT, 23-33, 55-, WEEKLY COLUMNIST, TAX FACTS, LOS ANGELES DAILY J. & AFFILIATED NEWSPAPERS, 63- Prof, Independent Col. Superior Studies, Buenos Aires & adv. to Minister Finance Argentina, 32-34. V-pres. efficiency bd, Argentine Nat. Admin, 33-34; mem. & chmn. bd. trustees, Inst. Soc. Res, New York, 41-49; Calif. property taxation expert; secy, Property Taxpayers Coun, Los Angeles County, 60- Argentine income tax act. Publ: Argentine riddle, Day, 44; Assessor Watson's new countywide reappraisal system, Property Taxpayers Coun, Los Angeles, 64; How to conduct your case before a California assessment appeals board, Tax Facts, Pub, 67. Address: 1038 Anoka Place, Pacific Palisades, Calif. 90272.
- WEIL, DR. GUNTHER MARTIN, b. Frankfurt-Main, Germany, Jan. 23, 37; U.S. citizen; m. 60; c. 2. SOCIAL PSYCHOLOGY. B.A, Kenyon Col, 59; Matric, Oslo, 59; Fulbright fel, Harvard, 59-60, Woodrow Wilson fel, 60-61, U.S. Pub. Health Serv. fel, 61-64, Ph.D.(psychol), 64. Asst. prof. psychol, Brandeis, 64-65; chief psychol, Am. Center Res. Blindness & Rehab, 65-66; Ed. Develop. Center, 66-67; ASST. PROF. PSYCHOL, BOSTON COL, 67- Psychol. Assn. Environmental psychology; research and training in group process; research in consciousness. Publ: The psychedelic reader, Univ. Books, 65; A new behavior change program, Psychother: Theory Res. & Practice, 65. Address: Dept. of Psychology, Boston College, Chestnut Hill, Mass. 02167.
- WEIL, PROF. HERMAN, b. Regisheim, Alsace-Lorraine, Dec. 15, 05; nat; m. 31; c. 1. PSYCHOLOGY. Ph.D.(psychol), Marburg, 29; Teachers Training Inst, Kassel, 31. Teacher math, chem. & psychol. & in charge methods of sci. teaching, Philanthropin-Inst, Frankfurt, 33-38, asst. to dir, 35-38; fel, Iowa, 39; prof. phys. sci, Nebr. Cent. Col, 39-40; chem. & metall, Milwaukee Sch. Eng, 40-43; teacher physics, Army Air Corps Cadet Training, Wis. State Col, Milwaukee, 43-44, prof. psychol. & ed. & head dept, 44-56; PROF. PSYCHOL, WISCONSIN, MILWAUKEE, 56-, CHMN. HONORS PROG, 60-, ASSOC. DEAN SCHOLASTIC AFFAIRS, COL. LETTERS & SCI, 67- Lectr, Milwaukee-Downer Col, 44-46, 49-50; summer vis. prof, Northwestern, 47-49, 51 & Michigan, 52-55. Consult, Proj. Schuldorf, U.S. Dept. State & U.S. Off. Ed, Germany, 54. Co-chmn, Wis. Region, Nat. Conf. Christians & Jews, 51-; mem, Nat. Collegiate Honors Coun, 66- Citation of merit, Int. Inst. Milwaukee County, 60. Psychol. Assn. Social psychology; inter-group education; public opinion. Publ: Collab, Psychology of human types; auth, Milwaukee makes instructional changes, In: College program in intergroup relations. Address: College of Letters & Science, University of Wisconsin, Milwaukee, Wis. 53201.
- WEIL, DR. JULIUS, b. Germany, Oct. 6, 02; nat; m. 24; c. 2. SOCIAL SCIENCE. Ph.D.(psychol), Munich, 33; New York Sch. Soc. Work, 38-39; Western Reserve, 42. Dir, Sch. Delinquent Boys, 29-36; supvr, Hawthorne Cedar-Knolls Sch, 37-38; Pleasantville Cottage Sch, 38-41; EXEC. DIR. MONTEFIORE HOME, 41- Fel. Am. Geront. Soc; Rehab. Assn; Pub. Welfare Assn; Geriat. Soc; Int. Assn. Geront. Senility; geriatric rehabilitation. Publ: Early symptoms of delinquency, Mann's Heilpädagogisches Mag; Special services for the senile, Geriatrics; Specialized staff for the aged ill, Hospitals. Address: Montefiore Home, 3151 Mayfield Rd, Cleveland Heights, Ohio 44118.

WEIL, PROF. MILDRED WISHNATT, b. Newark, N.J.; m. 47; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A. Rutgers, 45; M.A. N.Y. Univ, 50, fel, 58, Ph.D. 59. Asst. SOCIOL. N.Y. Univ, 57, instr, 58; Upsala Col, 59; asst. prof, PATERSON STATE COL, 59-64, PROF, 64- Consult, Circle Nursery Sch, 58-61; Center Nursery Sch, 59. Founders Day award, N.Y. Univ, 59. Social. Asn; Nat. Coun. Family Rels. Factors affecting actual or planned work participation of married women; attitudes and values of students preparing to teach. Publ: Analysis of the factors influencing married women's actual or planned work participation, *Am. Sociol. Rev: Career-homeworker role: new orientation for analysis*, J. Home Econ; The captive wife, Soc. Forces, 3/67. Address: 15 Stonewall Dr, Livingston, N.J. 07038.

WEIL, PRES. ROLF ALFRED, b. Pforzheim, Germany, Oct. 29, 21; nat; m. 45; c. 2. ECONOMICS, FINANCE. A.B. Chicago, 42, A.M. 45, Ph.D. 50; hon. Dr. Hebrew Letters, Col. Jewish Studies, 68. Asst. prof. econ, ROOSEVELT, 46-49, assoc. prof, 49-54, prof. econ. & finance & chmn. dept, 55-64, dean col. bus. admin, 57-64, acting pres, 64-66, PRES, 66-, chmn. inter-dept. cmt. on statist, 49-54. Lectr, exten. div, Indiana, 45-55. Econ. Asn; Finance Asn. Grants-in-aid and fiscal policy; state and local finance in business cycle policy; property taxation. Address: Roosevelt University, 430 S. Michigan Ave, Chicago, Ill. 60605.

WEIL, DR. ROMAN L(EE), JR, b. Montgomery, Ala, May 22, 40; m. 63. ECONOMICS, MATHEMATICS. B.A., Yale, 62; Nat. Defense Ed. act fel. & M.S. Carnegie-Mellon Univ, 65, Ph.D.(econ), 66. Instr. math, Carnegie-Mellon Univ, 63-65, econ. 64: ASST. PROF. MATH. ECON. GRAD. SCH. BUS. CHICAGO, 65- Nat. Sci. Found. res. grant, 67-69. Econ. Asn; Asn. Comput. Mach; Economet. Soc; Opers. Res. Soc. Am; Inst. Mgt. Sci. Economic programming; game theory; mathematical programming; graph theory; combination analysis; security prices; activity analysis. Publ: The Von Neumann model and international comparisons of productivity, J. Polit. Econ, 10/67; The decomposition of economic production systems, *Econometrica*, 4/68; co-auth. Premiums on convertible bonds, J. Finance, 6/68. Address: University of Chicago Graduate School of Business, Chicago, Ill. 60637.

WEIL, DR. THOMAS P, b. Mt. Vernon, N.Y., Oct. 2, 32; m. 65. ECONOMICS. A.B. Union Col.(N.Y.), 54; M.P.H. Yale, 58; Ford. Found. fel, Michigan, 61-62, Ph.D.(med. care orgn), 64. Assoc. consult, John G. Steinele & Assocs, N.Y., 58-61; asst. prof. hosp. admin, California, Los Angeles, 62-65; from consult. to assoc. dir, Touro Infirmary, New Orleans, La, 64-66; ASSOC. PROF. COMMUNITY HEALTH & DIR. GRAD. STUDIES HEALTH SERV. MGT, SCH. MED. & SCH. BUS. & PUB. ADMIN, MISSOURI, COLUMBIA, 66- S.S. Goldwater fel. hosp. admin, Mt. Sinai Hosp, New York, 57-58. Consult, City of Hope Med. Center, Duarte, Calif; electronic data processing div, Honeywell Corp, Mass; Hosp. Coun. San Diego, Calif; State of Tex; Planning Res. Corp, Calif; Mo. Div. Ment. Diseases. Med. Serv. C, U.S.A.R., 1st Lt. Col. Hosp. Adminstr; fel. Pub. Health Asn. Economics and organization of the health care system. Publ: Co-auth, How did it happen?, *Hospitals*, 9/58 & The experience of a hospital-convalescent center relationship, *Am. J. Pub. Health*, 6/59; auth, Some guidelines in evaluating the performance of a hospital administrator, *Hosp. Admin*, spring 67. Address: School of Medicine, University of Missouri, Columbia, Mo. 65201.

WEIL, DR. ULRIC H(ENRY), b. Pforzheim, Germany, May 7, 22; nat; m. 50. ECONOMICS. B.Com, McGill, 45; Soc. Sci. Res. Coun. fel, 49-50; Ph.D. (econ), California, 51. Res. assoc, Mayors Cmt. Mgt. Surv, New York, 50-52; consult. econ. finance, Griffenhagen & Assocs, 52-54; asst. prof. finance, Hofstra Col, 54-55; customer rep, INT. BUS. MACH. CORP, 55-61, ADMINSTR. ADV. MKT. ED. PROGS, 61- Lectr, Carnegie Inst. Tech, 49-50; American Univ, 50-51. Consult, G.H. Elliott & Co, 54-55. Econ. Asn; Economet. Soc; Finance Asn. Business planning; economic analysis and forecasting. Publ: Note on income distribution, J. Am. Statist. Asn; Fulbright investigation of the stock market, L.I. Bus. Rev. Address: International Business Machines Corp, 1000 Westchester Ave, White Plains, N.Y. 10604.

WEILENMANN, DR. ALEX(ANDER), b. Zurich, Switz, Sept. 11, 26. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. Geneva, 45-47; Kansas, 48-49; Ph.D. Zurich, 53. Head res. team, Int. Press Inst, 53; press analyst, U.S. Info. Serv, Switz, 54-60; asst. prof. polit. sci, Oregon, 61-63; INT. AFFAIRS, PITTSBURGH, 63-65, ASSOC. PROF, 66- Fel. int. rels, Yale, 61. AAAS; Polit. Sci. Asn. International politics and organization in terms of communications and control; processes of cooperation and intergration; news and news media analysis in foreign policy-making. Publ: Theodore Roosevelt und die Aussenpolitik der Vereinigten Staaten von Amerika; Communication and control in international politics, J. Commun, 12/66. Address: Graduate School of Public & International Affairs, University of Pittsburgh, Pittsburgh, Pa. 15213.

WEILER, DR. EDWARD A, b. Englewood, N.J., Jan. 27, 35; m. 61; c. 3. MARKETING, ECONOMICS. B.Sc, Fairleigh Dickinson, 61, M.B.A. 64; Ph.D. (mkt. econ), N.Y. Univ, 66. Chemist, Randolph Prod. Co, 53-60; tech. dir, Anders Chem. Co, 60-62; CONSULT, John L. Blake Assocs, 63-64; CHEM. MKT, SCI. CONSULT. ASSOCS, 64- U.S.A., 55-57. Mkt. Asn; Chem. Soc; Fedn. Soc. Paint Tech; Soc. Plastics Eng; Brit. Oil & Colour Chem. Asn. Effect of economic indicators on the sale, use and distribution of paint raw materials. Publ: Coordinated materials management itemization, 64 & The effect of variables on testing, 68, Paint & Varnish Prod. Mag. Address: 15 The Esplanade, Maywood, N.J. 07067.

WEILER, DEAN E(MANUEL) T(HORNTON), b. Chicago, Ill., Jan. 2, 14; m. 34; c. 4. ECONOMICS. A.B. DePauw, 37; A.M., Minnesota, 39, Ph.D. 43. Sr. econ. analyst, U.S. Dept. Commerce, 42-43; economist, bd. gov. Fed. Reserve Syst, 43-45; assoc. prof. ECON. Ohio Wesleyan, 45-46, prof, 46-48, head dept, 45-48; PROF. Illinois, 48-53; PURDUE, 53-, DEAN SCH. INDUSTR. MGT, 58-, KRANNERT GRAD. SCH. INDUSTR. ADMIN, 65-, head dept. econ, 53-58, dept. indust. mgt, 58-58. Dir, Inland Container Corp. & CTS Corp, Ind; Commercial Solvents Corp, N.Y. Econ. Asn; Inst. Mgt. Sci; Statist. Asn. Monetary theory; economic theory. Publ: The economic system; Economic policy; The American economic system. Address: Route 9, Lafayette, Ind. 47906.

WEILER, DR. HANS N(ORBERT), b. Krefeld, Germany, Sept. 13, 34; m. 65; c. 1. POLITICAL SCIENCE, EDUCATION. Frankfurt, 54-56; German Nat. Cmn. of UNESCO fel, Freiburg, 56-60, Dr. Phil.(polit. sci), 65; Brit. Coun. fel, London, 60-61. Res. asst. polit. sci, Univ. Freiburg, 58-60; Cultural Sci. Res. Center, Freiburg, 61-64, dep. dir, Arnold-Bergstraesser Cultural Sci. Res. Inst, 64-65; ASST. PROF. ED. & POLIT. SCI, STANFORD, 65-, vis. prof, comp. ed. center, 63. Prog. asst. polit. dept, S.German Broadcasting Corp, 59; dir, Adv. Off. Ed. & Voc. Opportunities in Developing Countries, 62; res. fel, Arnold-Bergstraesser Inst. Sociopolit. Res, Freiburg, 62, chmn. Africa Sect, 62-64, exec. secy, 63-64, dep. dir, 64-65, dir, proj. ed. planning in developing countries, Arnold-Bergstraesser Inst. & Fed. Ministry Econ. Coop, 64-65. Consult, Fed. Ministry Econ. Coop, Germany, German Develop. Serv, German Found. for Developing Countries; S.W. German Broadcasting Corp, info. & press off, German Fed. Govt, Carl-Duisberg-Gesellschaft, Ministry for. Affairs, German Africa Soc, German Develop. Inst. & Atlantic Inst, Paris, 61-65. Asst. to chmn, Int. Conf. Ed. Planning in Developing Countries, Germany, 63; mem. adv. cmt. ed. aid, Fed. Ministry Econ. Coop, 63-64; mem. Soc. Sci. Study Group Int. Probs. Polit. Sci. Asn; fel. African Studies Asn; Comp. Ed. Soc; German Africa Soc. Comparative study of the relationship between education and political development, especially in Western Europe and Africa; politics of educational reform; interstate relations in Africa. Publ: Ed, Erziehung und Politik in Nigeria—Education and politics in Nigeria, bi-lingual, 64, co-ed, Inter-state relations in Africa, Part 1, 65 & auth, Koloniale Erziehung und Afrikanische Umwelt—Zur Erziehungspolitischen Diskussion in der Britischen Kolonialverwaltung seit 1920, 66, Freiburg. Address: P.O. Box 2329, Stanford, Calif. 94305.

WEILER, DR. LAWRENCE D(UFFIELD), Polit. Sci, see 10th ed, Soc. & Behav. Vols.

WEILER, PROF. THEODORE C(HRISTLIEB), Sociol, see 10th ed, Soc. & Behav. Vols, deceased 63.

WEILGART, DR. W(OLFGANG) JOHN, b. Vienna, Austria, Mar. 9, 13; U.S. citizen; m. 57; c. 2. PSYCHOLOGY, PHILOLOGY. Ph.D.(semantic philol), Vienna, 39; Thomas Mann fel, California, Berkeley, 40-41; cert. psychol, Innsbruck, 55; cert. psychoanal, Univ. Zurich & Swiss Fed. Inst. Tech, 56; dipl. psychol, Heidelberg, 58. From instr. to asst. prof. philol. & philos, Xavier, 45-50; instr. lang, Far East Command, U.S. Armed Forces Inst, 50-52; ASSOC. PROF. PSYCHOL. & COUNSELING, Calif. Lutheran Col, 61-64; LUTHER COL.(IOWA), 64- UN res. grant comp. psychodiag, Europe, Asia & Africa, 52-58. Consult, Northeast. Iowa Ment. Health Center, 64- Asst. dean, Salvation Army Psychother, Calif, 59-60. U.S.A., 50-52. Psychol. Asn; Modern Lang. Asn. Am; Int. Soc. Gen. Semantics; fel. Int. Coun. Psychol. Diagnostic testing; psychotherapy; semantic categories; psychology of peace, creation and contemplation. Publ: Shakespeare psychognostic, Hokusaido, Tokyo, 52; Was ist normal? Gerold, Vienna, 57; Creative tensions, Monatshefte, 3/47. Address: 100 Elm Court, Decorah, Iowa 52101.

WEILL, DR. BLANCHE C(ALIFORNIA), b. San Francisco, Calif, Sept. 9, 83. PSYCHOLOGY. A.B. California, 04; Rome, 12; A.M. Columbia, 24; Ed.D., Harvard, 27. Psychologist, Boston Habit Clins, 24-27; psychologist & acting psychiatrist, Donald Whaley Home, Mich, 27-29; CHILD PSYCHOLOGIST, 30- Mem. staff, Island Press Coop, Inc. Mem. Nat. Cmt. Ment. Hyg. Aide, U.S. Army Hosps, 19. Psychol. Asn; Orthopsychiat. Asn. Child psychology, especially child behavior; parent education. Publ: The behavior of young children of the same family, Harvard, 28; Through children's eyes, 40 & Squirly, the curly pig, 41, Island Workshop. Address: 317 Hanover Ave, Oakland, Calif. 94606.

WEIMER, DR. A(RTHUR) M(ARTIN), b. Rock City, Ill, May 19, 09. ECONOMICS. A.B., Beloit Col, 29, LL.D., 50; A.M. Chicago, 31, Ph.D. 34. Field res. supvr, Fed. Housing Admin, 34-35, 36-37; PROF. econ. Ga. Sch. Tech, 35-36; REAL ESTATE & LAND ECON, INDIANA, 37-, SPEC. ASST. TO PRES, 63-, dean sch. bus, 39-63. V.chmn. res. & develop. dissemination, aerospace res. appln. center, Indiana, 63- Economist, U.S. Savings & Loan League, 49- U.S.A., 42-45. Econ. Asn. Housing; mortgage lending. Publ: Real estate, Ronald, 5th ed, 66; Business administration, Irwin, 3rd. ed. Address: Indiana University, Bloomington, Ind. 47401.

WEIN, PROF. HAROLD H(ERMAN), b. New York, N.Y., Feb. 10, 16; m. 39; c. 3. ECONOMICS. B.S.S. City Col. New York, 36; A.M. Columbia, 39; Ph.D., Pittsburgh, 59. Prin. economist, Off. Price Admin, War Prod. Bd. & antitrust div, U.S. Dept. Justice; exec. asst. to pres, Slick Airways; PROF. MGT, MICH. STATE, 59- Chief economist, Fed. Power Cmn, 62-63. Consult, UN, 51; Corporacion Venezolana de Guyana, Govt. Venezuela, 64-66. Pres, Mat. Policy Cmn, 51. Econ. Asn. Organization theory; economic development; management science. Publ: Supply and demand for natural gas, Fed. Power Cmn, U.S., 2/63; co-auth, Optimal expansion of flat steel production, Govt. Venezuela, 65 & auth, A stochastic multistage multi product investment model, J. Appl. Math, 3/67. Address: 4808 Ottawa Dr, Okemos, Mich. 48864.

WEINBERG, DR. ALBERT K(ATZ), b. Baltimore, Md, July 6, 99. INTERNATIONAL RELATIONS. A.B. Columbia, 20; Berlin & Göttingen, 22-23; A.M. Hopkins, 24, Ph.D., 31. Lectr. polit. sci, Hopkins, 34-38. Shaw lectr. diplomatic hist, 39-40, fel, Page Sch. Int. Rel, 30-39; MEM. INST. ADV. STUDY, 39- Guggenheim fel, 41-42. Assoc. soc. sci. analyst, U.S. Coordinator Info, 41-43; res. analyst, Off. Strategic Serv, 43-45; chief reports div, UNRRA, 45-46; ed. hist. div, U.S. Dept. War, 46-48; chief civil affairs sect, hist. div, U.S. Dept. Army, 48- Polit. Sci. Asn; Hist. Asn. Ideologies in American foreign relations; nationalist expansionism in American history; American isolationism and expansionism. Publ: Manifest destiny, Johns Hopkins, 35; co-auth, Civil affairs: soldiers become governors, Dept. of Army, 63. Address: 534 Anastasia Ave, Coral Gables, Fla. 33134.

WEINBERG, EDGAR, Econ, see 10th ed, Soc. & Behav. Vols.

WEINBERG, DR. HAROLD, b. New York, N.Y., June 26, 33; m. 64; c. 1. PHYSIOLOGICAL PSYCHOLOGY. B.S. Washington (Seattle), 58, M.S., 60, Ph.D.(psychol), 63. Asst. prof. PSYCHOL, Drake, 63-64; Saskatchewan, 64-66; SIMON FRASER UNIV, 66-68, ASSOC. PROF, 68- Nat. & Med. Res.

- Couns. Can. res. grants, 64-69; Soc. Res. Coun. travel fel, 66-67; vis. res. appointment, Burden Neurol. Inst. Bristol, Eng, 68-69; Commonwealth Exchange award, 68-69. U.S.A. 52-55. Am. Psychol. Asn; Can. Psychol. Asn. Electrophysiology of memory, perception and motivation. Address: Dept. of Psychology, Simon Fraser University, Burnaby 2, B.C., Can.
- WEINBERG, DR. IAN, b. London, Eng, Jan. 8, 38; m. 64; c. 2. SOCIOLOGY. B.A., Oxford, 61; Eng. Speaking Union fel, Princeton, 61, Franklin Murphy Jr. fel, 62, M.A. 63, Ogen Porter Jacobus fel, 63-64, Ph.D.(sociol), 65. Asst. prof. SOCIOL, Michigan, 64-66; res. assoc, Russell Sage Found, 66; asst. prof. TORONTO, 66-68, ASSOC. PROF, 68- R.A.F. 55-57. Sociol. Asn. Modernization and social change; historical and industrial sociology; sociology of education. Publ: The English public schools; the sociology of elite education, Atherton, 67. Address: Dept. of Sociology, University of Toronto, Toronto, Ont, Can.
- WEINBERG, DR. MARTIN STEPHEN, b. Albany, N.Y., Jan. 23, 39; m. 63; c. 1. SOCIOLOGY. B.A., St. Lawrence, 60; univ. fel. & M.A., Massachusetts, 61; univ. fel. & Nat. Inst. Ment. Health fel. & Ph.D.(sociol), Northwestern, 65. Asst. prof. SOCIOL, Rutgers, 65-68; ASSOC. PROF, INST. SEX RES. & INDIANA, 68- Rutgers Univ. res. fel, 65-66; Nat. Inst. Ment. Health res. grant, 67-68. Sociol. Asn; Soc. Study Social Probs. Social theory and the sociology of deviance. Publ: Co-auth, Deviance: the interactionist perspective, Macmillan, 68; auth, Sexual modesty, social meanings and the nudist camp, Soc. Probs, winter 65; Becoming a nudist, Psychiatry, 2/66. Address: Institute for Sex Research, Indiana University, Bloomington, Ind. 47405.
- WEINBERG, PROF. MEYER, Hist, Educ, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WEINBERG, NAT, b. New York, N.Y., Feb. 15, 14; m. 35; c. 2. ECONOMICS. B.A., N.Y. Univ, 42. Asst. to dir, res. dept, Int. Ladies' Garment Workers' Union, 37-44; labor economist, off. chief econ. adv, off. labor prod, War Prod. Bd, 44-45; chief work & wage experience studies sect, U.S. Bur. Labor Statist, 45-46; labor economist, prog. br, Nat. Housing Agency, 46; dir. res. & eng. dept, INT. UNION, UNITED AUTOMOBILE, AEROSPACE & AGR. IMPLEMENT WORKERS AM, 47-57, DIR. SPEC. PROJS. & ECON. ANAL, 57- Regents' lectr, California, Berkeley, 66. Consult, European Productivity Admin, 55. Mem, U.S. Trade Union Adv. Cmt, European Productivity Agency, 60-62; consult. panel econ. aspects of disarmament, U.S. Dept. State, 61-62; consult. submts, President's Adv. Cmt. on Labor-Mgt. Policy, 61-; adv. cmt. on automation & manpower, U.S. Dept. Labor, 61-62. Trustee, Fed. Statist. Users Conf, 56-60. Econ. Asn; Statist. Asn; Indust. Rels. Res. Asn. Industrial relations; economic stabilization; social welfare and living standards. Publ: Co-ed, Adjustment to technological change, Harper, 63; auth, Labor on the hook, Saturday Rev; The thinking behind the UAW-CIO guaranteed employment plan, Mich. Bus. Rev. Address: International Union, United Automobile, Aerospace & Agricultural Implement Workers America, Special Projects Dept, 8000 E. Jefferson St, Detroit, Mich. 48214.
- WEINBERG, DR. NORRIS H(ERBERT), b. Philadelphia, Pa, June 29, 29; m. 57. CLINICAL PSYCHOLOGY. B.A., Pennsylvania, 51, M.A. 53, Ph.D., 58. Asst. instr. psychiat, Pennsylvania, 56-58, instr. 58-59; med. psychol, med. center, California, Los Angeles, 59-62, 63-65; res. fel. psychol, London, 62-63; sr. clin. psychologist, Phila. Child Guid. Clin, 65-67; CLIN. PSYCHOLOGIST, ASHBORNE SCH, 67- Consult, Abington Hosp, Pa, 66- Psychol. Asn. Publ: Failure to find distinctive personality features in a group of obese men, Am. J. Psychiat; co-auth, Resistance to systematic desensitization of phobias, J. Clin. Psychol, 63; auth, Conceptual level, self-centering and Piaget's egocentricity, Child Develop, 63. Address: 7315 Asbury Ave, Melrose Park, Pa. 19126.
- WEINBERG, ROBERT STANLEY, b. New York, N.Y. Nov. 17, 27; m. 54. ECONOMICS, ECONOMETRICS. A.B., Washington (St. Louis), 49; B.S., N.Y. Univ, 50; M.S., Columbia, 51. Asst. to dir. res. Mkt. Data Res. Assocs, 50-51; res. assoc, Jules Backman Assocs, 51; analyst, opers eval. group, Mass. Inst. Tech, 54-56; mgr. mkt. res. Int. Bus. Mach. Corp, 56-64, dir. anal. serv, 64-66; V.PRES. CORP. PLANNING, ANHEUSER-BUSCH, INC, 66- Assoc. Ernest Dale Assocs, 53-56. U.S.A.F. 51-53, Lt. AAAS; Am. Econ. Asn; Am. Statist. Asn; Opers. Res. Soc. Am.(assoc. ed, Opers. Res, 58-); Economet. Soc; Asn. Comput. Mach; Inst. Mgt. Sci; Royal Econ. Soc. Operations research and management science; input-output, activity and process analysis; econometric models of individual firms. Publ: An analytical approach to advertising expenditure strategy; Full employment 1955-1960, a feasibility test, Am. Econ. Rev; Multiple factor breakeven analyses, Opers. Res. Address: 5915 Lindell Blvd, St. Louis, Mo. 63112.
- WEINBERG, PROF. S(AMUEL) KIRSON, b. Chicago, Ill, Oct. 10, 12; m. 46; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. A.B., Chicago, 34, A.M. 35, Ph.D., 42. Asst. prof. SOCIOL, Whitman Col, 46-47; ROOSEVELT, 47-49, assoc. prof, 49-55, PROF, 55-, CHMN. DEPT, 64- Vis. prof, Minnesota, 51-52; Ghana, W.Africa, 60-61; res. fcls, 57-58, 61-62; summer vis. prof, sch. criminol, California, Berkeley, 63; Nat. Sci. Found. & Am. Sociol. Asn. vis. scientist, 63-65; res. sociologist, med. sch, Northwestern & Inst. Juvenile Res, 65-66. U.S.A. 41-45, Lt. AAAS; Sociol. Asn; Psychol. Asn; Soc. Study Social Probs. Social disorganization; social psychology; criminology. Publ: Society and personality disorders, 52 & Social problems in modern urban society, 68, Prentice-Hall; ed, The sociology of mental disorders, Aldine, 67. Address: Dept. of Sociology & Anthropology, Roosevelt University, 430 S. Michigan Ave, Chicago, Ill. 60605.
- WEINBERG, WILLIAM M, Indust. Rels, see 10th ed, Soc. & Behav. Vols.
- WEINBERG, PROF. LESTER, b. New York, N.Y., June 23, 16. ECONOMICS, SOCIOLOGY. B.S., City Col. New York, 38, fel, 38-40; B.S., Columbia, 39; M.A., New Sch. Soc. Res, 51, Ph.D.(econ, sociol), 58. Asst. library, City Col. New York, 40-42, 46-56, dir. audio visual center, 56-66, lectr. personnel & labor mgt, 58-66; PROF. PERSONNEL INDUST. RELS, BARUCH COL, CITY UNIV. NEW YORK, 66-, BUS. ADMIN, BOROUGH MANHATTAN COMMUNITY COL, 67-, dir. & dean, City Univ. Col. Center, 66-67. Audio visual consult, 56- U.S.A. 42-46, Res, 46-, Col. Econ. Asn; Sociol. Asn; Arbit. Asn. Business administration; socio-economic research in white collar unionization; applied and theoretical research in labor management relations, methods and techniques of programmed instruction; TV education; audio visual equipment and use; military logistics; civil affairs; white collar and professional unionism in Middle and Far East. Address: Dept. of Business Administration, Borough of Manhattan Community College, 134 W. 51st St, New York, N.Y. 10020.
- WEINBLATT, EVE, b. Newark, N.J., Feb. 22, 12; div; c. 1. STATISTICS. A.B., Barnard Col, Columbia, 31; Caroline Duror mem. fel, Yale, 31-32, univ. fel, 32-33; Harvard, 55. Asst. dir. dept. statist. res, N.Y. Heart Asn, 45-51; med. statistician, cmt. spec. res. proj. Health Ins. Plan, 51-54; statistician, div. res. & statist, HEALTH INS. PLAN OF GREATER NEW YORK, 54-60, ASST. DIR. RES, 60- Statist. Asn; fel. Pub. Health Asn. Public health and medicine statistical research. Publ: Auth, Return to work and work status following first myocardial infarction, Am. J. Pub. Health, 2/66; co-auth, Myocardial infarction in men: role of physical activity and smoking in incidence and mortality, J. Am. Med. Asn, 12/66 & Physical inactivity as a lethal factor in myocardial infarction among men, Circulation, 12/66. Address: Health Insurance Plan of Greater New York, 625 Madison Ave, New York, N.Y. 10022.
- WEINER, DR. CHARLES, Hist. of Sci, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WEINER, DR. CLARENCE M(ORRIS), b. New York, N.Y., Feb. 20, 13; m. 44; c. 2. ECONOMICS. B.A. & M.A., Wisconsin, 34, Ph.D.(econ), 48. Economist, Bur. Employ. Security, D.C. 38-45; Vet. Admin, 45-47; comptroller, United Serv. for New Americans, New York, 48-50; mgt. consult, Surv. Inst, Inc, 50-52; ECONOMIST, United Auto Workers, Detroit, Mich, 52-54; CIGAR MFRS. ASN, 54- Lectr, Rutgers, 47. U.S.A. 45-46. Econ. Asn; Statist. Asn; Indust. Rels. Res. Asn. Taxation; manpower; marketing. Address: Cigar Manufacturers Association, Room 2620, 350 Fifth Ave, New York, N.Y. 10001.
- WEINER, DR. DORA B(ERER), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WEINER, DR. HAROLD, b. New York, N.Y., Mar. 28, 32; m. 59. EXPERIMENTAL PSYCHOLOGY. B.B.A., City Col. New York, 53; M.A. Maryland, 57, Ph.D., 60. Assoc. res. scientist psychol, Am. Inst. Res, 59-61; exp. res. psychologist, ST. ELIZABETH'S HOSP, 61-64, DIR. OPERANT CONDITIONING LAB, 64- Assoc. clin. prof. psychiat, sch. med, George Washington, 64- Superior serv. medal res, Dept. Health, Ed. & Welfare, 64. Fel. AAAS; Psychol. Asn. Operant conditioning. Publ: Some effects of response cost upon human operant behavior, 62 & Operant programming with transistorized digital elements, 63, J. Exp. Anal. Behav; Conditioning history and maladaptive human operant behavior, Psychol. Reports, 65. Address: Operant Conditioning Lab, St. Elizabeths Hospital, Washington, D.C. 20020.
- WEINER, DR. IRA W(ILLIAM), b. Chicago, Ill, Aug. 14, 17. CLINICAL PSYCHOLOGY. B.Ed., Chicago Teachers Col, 42; M.A., California, Los Angeles, 52, Ph.D.(clin. psychol), 55. Asst. psychol, California, Los Angeles, 51-52; intern clin. psychol, Vet. Admin. Center, Los Angeles, 52-55; sr. clin. psychologist, State Ment. Hyg. Clin, Los Angeles, 55-61, San Fernando, 61-66; private practice & res, 66- Consult, Compton Sch. Dist, Calif, 58. U.S.N. 42-45. Psychol. Asn. Psychosomatic relationships; group processes. Publ: Co-auth, Psychological factors in the dumping syndrome, J. Nerv. & Ment. Disease; Psychological factors related to results of subtotal gastrectomy, Psychosom. Med. Address: 450 N. Bedford Dr, Beverly Hills, Calif. 90210.
- WEINER, DR. IRVING B(ERNARD), b. Grand Rapids, Mich, Aug. 16, 33. CLINICAL PSYCHOLOGY. A.B., Michigan, 55, M.A. 57, Ph.D. 59. Asst. psychol, Michigan, 55-56, 58-59; couns. bur. psychol. serv, 57-59; clin. trainee, Vet. Admin, 56-58; instr. psychiat, SCH. MED. & DENT, ROCH-ESTER, 59-62, sr. instr, 62-64, asst. prof, 64-67, ASSOC. PROF. PSYCHIAT. & PEDIAT, 67- Asst. psychologist, Rochester Munic. Hosp, 59-; Strong Mem. Hosp, 59-64, assoc. psychologist, 64-67, sr. assoc. psychologist, 67- Psychol. Asn. Validation of psychodiagnostic techniques; nature of schizophrenic disturbance; psychological problems of adolescents; training in clinical psychology. Publ: Psychodiagnosis in schizophrenia, Wiley, 66; Differential diagnosis in amphetamine psychosis, Psychiat. Quart, 64; Behavior therapy in obsessive-compulsive neurosis: treatment of an adolescent boy, Psychotherapy, 67. Address: University of Rochester Medical Center, Rochester, N.Y. 14620.
- WEINER, DR. MAX, b. Hartford, Conn, May 7, 26; m. 60. EDUCATIONAL PSYCHOLOGY. B.A., Connecticut, 50; M.A., Trinity Col.(Conn), 53; Ph.D. (ed. psychol), Yale, 57. Teacher, pub. schs, Conn, 52-55; instr. psychol, New Haven Col, 54-56; dir. guid, Post Rd. Sch, White Plains Pub. Schs, 56-59; instr. ED, BROOKLYN COL, 59-62, asst. prof, 62-65, ASSOC. PROF, 65- Test consult, inst. develop. studies, N.Y. Med. Col, 60-64. U.S.A. 44-46. AAAS; Psychol. Asn; Personnel & Guid. Asn; Coun. Measurement in Ed; Asn. Measurement & Eval. Guid; Ed. Res. Asn; Col. Personnel Asn. Computer assisted instruction and its applications to learning; interpretation of tests in counseling; learning theory; discipline in school. Publ: Co-auth, A fourth validation of a reading prognosis test for children of varying socio-economic status, Ed. & Psychol. Measurement, 66; Studying student attitudes, In: Research guidelines for high school counselors, Col. Entrance Exam. Bd, 67; auth, Psychological testing and the college counselor, In: Counseling of college students, Macmillan, 68. Address: 515 E. Seventh St, Brooklyn, N.Y. 11218.
- WEINER, MERVYN L, b. Montreal, Que, Oct. 30, 22; m. 51; c. 2. ECONOMICS. B.Com., McGill, 43; Rhodes scholar. & B.Phil., Oxford, 48; Johnston scholar, Hopkins, 49-51. ECON. ADV. WEST. HEMISPHERE DEPT, INT. BANK RECONSTRUCT. & DEVELOP, 51- Can. Army, 43-46, Capt. Econ. Asn. Economic development. Address: 3206 Cummings Lane, Chevy Chase, Md. 20015.

WEINER, DR. M(LTON) G, b. Worcester, Mass, Apr. 20, 23; m. 46; c. 3. PSYCHOLOGY, OPERATIONS ANALYSIS. A.B. Clark, 46, M.A. 47, Ph.D. 49. Instr. psychol. Clark, 49; asst. prof. Washington & Jefferson Coll. 49-51; res. psychologist, naval res. lab. Michigan, 51; Tufts Coll. 51-53; SOC. SCIENTIST, RAND CORP, 53- Med.C. U.S.A. 43-45. Psychol. Asn; Ord. Asn. Perception, personality relationships; organization theory; military operations; command, organization, and war gaming. Publ: Observations on the growth of information-processing centers, In: Some theories of organization; An introduction to war games, In: Les choix économiques; chapters, In: Systems analysis and policy planning: applications in defense, Am. Elsevier, 68. Address: Rand Corp, 1700 Main St, Santa Monica, Calif. 90406.

WEINER, PROF. MYRON, b. Brooklyn, N.Y., Mar. 11, 31; m. 52; c. 1. POLITICAL SCIENCE. B.S.S. City Col. New York, 51; Pennsylvania, 52-53; Ford Found. fel, Princeton, 52-55; M.A. 53, Fulbright award, 53-54; univ. fel. & Ph.D. Princeton, 55. Instr. polit. sci. & asst. center int. studies, Princeton, 55-56; asst. prof. Chicago, 56-61; assoc. prof. POLIT. SCI., MASS. INST. TECH, 61-65, PROF. 65-, SR. STAFF MEM, CENTER INT. STUDIES, 61- Soc. Sci. Res. Coun. fel, 57-58; Ouggenheim fel. & Rockefeller Found. grant-in-aid, 61-62; Carnegie Found. fel, 66-67. Consult, Ford Found. Metrop. Planning Orgn. Team, Calcutta, 62; bur. intel, U.S. Dept. State, 64- Polit. Sci. Asn; Asn. Asian Studies (asst. ed, jour, 59-61); Am. Acad Arts & Sci. Political aspects of modernization, particularly political and social organization, political leadership and social stratification. Publ: Party politics in India: the development of a multiparty system, Princeton, 57; The politics of scarcity: public pressure and political response in India, 62 & Party building in a new nation: the Indian National Congress, 67, Univ. Chicago. Address: Dept. of Political Science, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

WEINERT, ARLA E, b. Highland Park, Mich, May 27, 20. GOVERNMENT, STATISTICS. B.A. Wayne State, 42, fel, 42, M.P.A. 47. Mem. staff, Detroit Bur. Govt. Res, Mich, 42; personnel technician, Wayne County Civil Serv. Cmn, 43-47; res. psychologist, personnel res. sect, Adj. Gen. Off., U.S. Dept. Army, 48, res. psychologist & statist. adv, 49-50, anal. statistician, 51-52; opers. analyst, Res. Anal. Corp, Md, 53-67; COMPUT. SYSTS. ANALYST, NAVAL COMMAND SYSTS. SUPPORT ACTIVITY, U.S. DEPT. NAVY, 67- Soc. Indust. & Appl. Math; Psychomet. Soc; Asn. Comput. Mach; Pub. Personnel Asn. Monte Carlo methods for system simulation; psychological statistics; programming languages. Publ: A Simscrip-Fortran case study, Commun. Asn. Comput. Mach, 12/67. Address: Naval Command Systems Support Activity, Washington Naval Yard, Washington, D.C. 20390.

WEINFELD, WILLIAM, b. Boston, Mass, Apr. 16, 08; m. 32; c. 2. ECONOMICS, STATISTICS. B.E.E. Northeastern, 29; Pittsburgh, 30-31; A.B. Minnesota, 33, M.A. 36. Asst. & instr. sociol. & statist, Minnesota, 32-36; asst. Soc. Sci. Res. Coun, 36; dir. Minneapolis tabulation pool, study consumer purchases, bur. home econ, U.S. Dept. Agr, 36-38; Minn. income study, Work Projs. Admin, 38-41; assoc. dir. income study, Rockefeller Found. grant, Minnesota, 41-43; chief planning & res. br. Smaller War Plants Corp, 43; econ. analyst, U.S. Strategic Bombing Surv, Germany, & Japan, 45-46; chief consumer income unit, U.S. Census Bur, 46-47; econ. analyst, nat. income div, U.S. Dept. Commerce, 47-52; staff asst, President's Cmn. Health Needs Nation, 52; asst. chief statist. div, Small Defense Plants Admin, 52-53; chief res. & statist. div, CIVIL AERONAUT. BD, 54-63, chief rates & practices sect, bur. econ. regulation, 63-64, planning officer, 64-65, CHIEF ECON. PERFORMANCE EVAL. SECT, BUR. ECON, 65- Lectr, American Univ, 61- Statist. adv, Civil Works Admin, 33-34; consult, 38- U.S.A. 43-46. Econ. Asn; Statist. Asn. Economics of civil air transportation. Publ: Ed, Handbook of airline statistics; auth, Chain newspapers; Physicians', lawyers' and dentists' incomes. Address: Civil Aeronautics Board, Washington, D.C. 20428.

WEINGARTEN, DR. ERIC, b. Vienna, Austria, Dec. 2, 25; nat. CLINICAL PSYCHOLOGY. B.S. City Col. New York, 48; M.A. Kentucky, 51, Ph.D. 54. Student psychologist, Child Guid. Clin, Lexington, Ky, 51-53; trainee psychol. Vet. Admin. Hosp, Lexington, 52-54, clin. psychologist, St. Louis, Mo, 54-55, Perry Point, Md, 55-56, superv. clin. psychologist, 56-61; CHIEF PSYCHOLOGIST, N. E. MENT. HEALTH CLIN. D.C. BUR. MENT. HEALTH, 61- Dipl. Am. Bd. Exam. Prfnl. Psychol, 64. U.S.A. 44-46. Psychol. Asn. Personality correlates of authoritarian attitudes; relationship between anxiety and perception of need-relevant objects; psychotherapy with the underprivileged; community mental health consultation. Publ: Co-auth, Relative effectiveness of psychotherapeutic programs: a multicriteria comparison of 4 programs for 3 different patient groups, Psychol. Monogr, 60. Address: 430 M St. S.W., Washington, D.C. 20024.

WEINGARTNER, PROF. HANS) MARTIN, b. Heidelberg, Germany, Apr. 4, 29; m. 55; c. 1. ECONOMICS. A.B. & S.B. Chicago, 50, A.M. 51; S.M. Carnegie Inst. Tech, 56, Ph.D.(econ), 62. Economist, U.S. Dept. Commerce, 51-53; instr. econ, Carnegie Inst. Tech, 56-57; econ. statist. & opers. res, grad. sch. bus, Chicago, 57-61, asst. prof, 61-63; assoc. prof finance, Sloan Sch. Mgt, Mass. Inst. Tech, 63-66; PROF. FINANCE & QUANT. METHODS, COL. BUS. ADMIN, ROCHESTER, 66- Consult, Gen. Finance Corp, 58-63; First Nat. Bank of Chicago, 66-; Fed. Deposit Ins. Corp, 67- Econ. Asn; Finance Asn; Economet Soc; Inst. Mgt. Sci. Linear, integer and dynamic programming and application to capital budgeting and financial management problems; theory of investment; term structure of interest rates; use of statistical methods in selecting credit risks. Publ: Mathematical programming and the analysis of capital budgeting problems, Prentice-Hall, 63 & Markham, 67; Capital budgeting of interrelated projects—critical survey and synthesis, 4/66 & Optimal timing of bond refunding, 4/67, Mgt. Sci. Address: College of Business Administration, University of Rochester, River Campus Station, Rochester, N.Y. 14627.

WEINGARTNER, DR. HERBERT, b. Karlsruhe, Germany, Apr. 4, 35; U.S. citizen; m. 67. EXPERIMENTAL & MEDICAL PSYCHOLOGY. B.S. City Univ. New York, 56; fel, City Col. New York, 56-58; Gilman fel, Hopkins, 60, Nat. Insts. Health fel, 60-63, M.A. 62, Ph.D.(exp. psychol), 64. Instr. MED. PSYCHOL, HOPKINS, 63-65, ASST. PROF, 65- Consult, Baltimore City Hosps, Md, 67- U.S.A.F, 58, Res, 58-67. Psychol. Asn. Verbal learning; information transmission in humans; brain mechanisms and behavior; ex-

perimental studies of abnormal behavior. Address: Dept. of Medical Psychology, Johns Hopkins University, 725 N. Wolfe St, Baltimore, Md. 21205.

WEININGER, DR. O(TTO), b. Montreal, Que, Mar. 19, 29; m. 52; c. 2. CLINICAL PSYCHOLOGY. B.A. McGill, 50; M.A. Toronto, 52, Nat. Res. Coun. grant, 52-54, univ. fel, 53, Ph.D.(psychol), 54. Dir, Jesse Ketchum Day Care, 52-53; clin. psychologist, Ment. Health Clin, Toronto, 53-54; lectr. psychol, Western Ontario, 54-56; clin. psychologist, ment. health clin, St. Thomas Hosp, Ont, 55-56; spec. lectr. psychol, Toronto, 56-60; private practice, 56-; consult, Home Incurable Children, Toronto; Bloorview Children's Hosp, 63-; Brown Camp's Ltd, 67- Psychol. Asn; N.Y. Acad. Sci. Individual diagnosis and play therapy; motivation and effects of early experience on later behavior; childhood schizophrenia. Publ: Mortality of albino rats under stress as a function of early handling, Can. J. Psychol; Physiological damage under emotional stress as a function of early experience, Science; Effects of early experience on behavior and growth characteristics, J. Comp. Physiol. Psychol. Address: 1 Duke St, Suite 415, Hamilton, Ont, Can.

WEINLAND, DR. JAMES D(AVID), b. Banning, Calif, June 21, 94. PSYCHOLOGY. A.B. Pomona Col, 17; M.A. Columbia, 22, Ph.D.(psychol), 27. Instr. Pratt Inst, 22-28; from instr. to prof. BUS. PSYCHOL, SCH. COMMERCE, ACCT. & FINANCE, N.Y. UNIV, 27-59, EMER. PROF, 59- Researcher & writer, 61- U.S.A. 17-19. AAAS; fel. Psychol. Asn. General and industrial psychology; measurement of attitudes; emotions. Publ: How to improve your memory, Barnes & Noble, 57; How to think straight, Littlefield, 63; Redefinition in psychology, J. Gen. Psychol. Address: P.O. Box 962, Boulder City, Nev. 89005.

WEINLANDER, DR. MAX MARTIN, b. Ann Arbor, Mich, Sept. 9, 17; m. 45; c. 2. CLINICAL PSYCHOLOGY. B.A. Eastern Michigan, 40; M.A. Michigan, 42, Ph.D.(psychol), 55; M.A. Wayne State, 51. Psychometrist, Vet. Admin. Hosp, Dearborn, Mich, 47-51; staff psychologist, State Div. Corrections, Ohio, 54-55; chief psychologist, Child Guid. Clin, 58-61, acting dir, 61-64; CLIN. & COUNSELING PSYCHOLOGIST, NEUROPSYCHIAT. SERV, VET. ADMIN. CENTER, DAYTON, 64- Lectr, Miami (Ohio), 55-; prof, eve. sch, Wittenberg, 64- Summers, vis. prof, Miami (Ohio), 57-58, Wittenberg, 58. Private practice, 56-; consult, State Voc. Rehab, Ohio, 57-; voc. bd, Ohio Synod, Lutheran Church Am, 66-; Hamma Sch. Theol, 66- U.S.A. 42-46, Sgt. Psychol. Asn. Psychodiagnosis; psychotherapy; research design; counseling. Address: 290 Ridge Mall, Springfield, Ohio 45504.

WEINMAN, DR. BERNARD S(TANLEY), b. New York, N.Y., Nov. 14, 26; m. 60. CLINICAL PSYCHOLOGY. B.A. Brooklyn Col, 50; M.A. N.Y. Univ, 52, Ph.D.(psychol), 58. Intern psychol, State Psychol. Training Prog, N.Y. 52-53; clin. psychologist, St. Lawrence State Hosp, 53-54; PHILA. STATE HOSP, 55-61, coordinator rehab, dept. psychol, 61-66, MED. RES. SCIENTIST II, 66- Nat. Inst. Ment. Health res. grant, 66-71. Consult, Odensburg Pub. Sch. Syst, 53-54; Women Christian Alliance, Child Placing Agency, 60- U.S.A. 45-46. Psychol. Asn. Experimental manipulation of social variables for the enhancement of the psychiatric condition and social remission of the chronic psychotic hospitalized patient. Publ: Co-auth, Chronic psychoses and recovery, Jossey-Bass, Inc, 67; Social treatment of the male chronic mental patient, J. Nervous & Ment. Disease, 62; auth, Treating the social symptomatology of the chronic mental patient, Pa. Psychiat. Quart, 67. Address: Philadelphia State Hospital, Roosevelt Blvd. & Southampton Rd, Philadelphia, Pa. 19114.

WEINREB, DR. JOSEPH, b. Austria, June 22, 08; U.S. citizen; m. 39; c. 2. PSYCHIATRY. B.A. Vanderbilt, 31; M.D. 35. Psychiatrist, 39-40; sr. psychiatrist, Cushing Vet. Admin. Hosp, 46-47; dir, Worcester Youth Guid. Center, 47-66; ASSOC. PROF. PSYCHIAT. & DIR. DIV. CHILD PSYCHIAT, UNIV. HOSP, VANDERBILT, 67- Fel. child psychiatrist, child guid. serv, Jewish Bd. Guardians, N.Y. 46. Vis. psychiatrist, St. Lukes Hosp, 39-40; consult. psychiatrist, Fla. Children's Home Soc, 39-40; consult, Wiltwyck Sch. Boys. Med. C. U.S.A. 40-46. Psychiat. Asn; Psychoanal. Asn; Am. Med. Asn; Pub. Health Asn; Orthopsychiat. Asn; Group Psychother. Asn; Acad. Child Psychiat. Publ: Ed, Recent developments in psychoanalytic child therapy, Int. Univs, 60; auth, The treatment of a runaway adolescent girl through treatment of the mother, Am. J. Orthopsychiat, 1/58; Impulsivity in adolescents and its therapeutic management, Am. Med. Asn. Arch. Gen. Psychiat, 5/60. Address: Dept. of Psychiatry, Vanderbilt University Hospital, Nashville, Tenn. 37203.

WEINRICH, PROF. JOHN E, b. New York, N.Y. ECONOMICS. B.S. Harvard, 46; M.Sc. London Sch. Econ, 49; Ph.D.(econ), London, 63. Mgt. pub. rels. & ed. consult, 50-60; asst. prof. econ, Union (N.Y.), 61-64; prof. econ. & chmn. dept, Alberta, 64-66; PROF. econ. & bus. enterprise, State Univ. N.Y. Binghamton, 66-68; ECON. ROBERT COL, ISTANBUL, 68- Ford Found. econ. inst. fel, 65; Case Inst. fel, 66. Consult, U.S. Agency Int. Develop, Repub. Congo, 68. U.S. ed. rep, J. Econ. Studies, 65- Royal Econ. Soc. Industrial organization; managerial economics; micro-economics and emerging nations; research and development; decision-theory. Publ: The L-shaped cost curve and workable competition, In: Essays in honor of Marco Fanno, 66; The viability of Irish shoe manufacturing, J. Econ. Studies, 67; Budget analysis and fiscal efficiency, Int. Admin. Rev, 68. Address: Dept. of Economics, Robert College, Istanbul, Turkey.

WEINRYB, PROF. BERNARD D, b. Turobin, Poland, May 15, 01; nat; m. 42; c. 2. ECONOMICS. Ph.D. Breslau, 33; Columbia, 42-43. Dean, Jewish Teachers' Sem. & Peoples Univ, 41-48; PROF. soc. studies, grad. sch, Yeshiva, 49-64; HIST. & ECON. DROPSIE COL, 50-, CHMN. DIV. HIST, 67- Lectr, Brooklyn Col, 48-51; Soc. Sci. Res. Coun. grant, 49, 58-59, faculty fel, 60-61; vis. prof, Columbia, 51-55; res. grants, Littauer Found, 54-56, 58 & Am. Philos. Soc, 58; Am. Coun. Learned Soc. fel, 62-63. Consult, Zionist Emergency Coun, 44-49; res. consult, Am. Jewish Cmt, 48-50; area specialist & ed, U.S. Dept. State, 51-53. Study dir, Intergroup Rel. in Relig. Textbooks, 57-60; proj. dir, Corpus of Hist. Mat. in Rabbinic Lit, 58- Econ. Asn; Am. Hist. Asn; Asn. Adv. Slavic Studies; Hist. Soc. Israel. History; economics of underdeveloped countries; migration and its impact; minorities. Publ: The Second generation in Palestine-Israel, London, 54; Texts & studies in the communal history of Polish Jewry; Catalogue of the

- Hebrew manuscripts in the Library of the Juedisch-Theological Seminar in Breslau, Otto Harrassowitz, Wiesbaden, 65. Address: 6036 N. 13th St, Philadelphia, Pa. 19141.
- WEINSTEIN, ABBOTT S(AMSON), b. Troy, N.Y., Apr. 20, 24; m. 49. STATISTICS. B.A., Union Col. (N.Y.), 45; Princeton, 45-46; M.A., Cornell, 47. Intern. pub. admin., State Dept. Audit & Control, N.Y., 47-48; jr. statistician, State Dept. Soc. Welfare, 49-50; statistician, State Dept. Commerce, N.Y., 50-54; sr. statistician, 54-57, asst. dir. statist. serv., State Dept. Ment. Hyg., 57-61; dir. biomet. br., St. Elizabeths Hosp., 61-66; DIR. STATIST. & DATA PROCESSING, STATE DEPT. MENT. HYG., N.Y., 66. Co-prin. investr. Nat. Inst. Ment. Health grant proj., multi-state info. syst. for psychiat. patients, 67-72. Consult., Albany Med. Col., 58-61; Wash. Heights Community Ment. Health Proj., Columbia, 58-60. U.S.A., 43. Statist. Assn.; Pub. Health Assn. Statistical research in mental health; time series analysis; automatic data processing. Publ.: Increasing the effective length of short time series for the purpose of estimating autoregressive parameters, J. Am. Statist. Assn.; co-auth., First admissions to New York Civil State Mental Hospitals, 1911-1958, Psychiat. Quart.; Trace element content of the spleens of rats after total-body x-irradiation, Radiation Res. Address: 10 Village Dr, Delmar, N.Y. 12054.
- WEINSTEIN, PROF. BRIAN, b. Jamestown, N.Y., Oct. 10, 37. POLITICAL HISTORY. B.A., Yale, 59; Paris, 61-62; Ph.D. (polit. sci.), Harvard, 63. Instr. int. rels., Nat. Sch. Admin., Guinea, 63-64; ASST. PROF. govt., Tuskegee Inst., 64-65; AFRICAN STUDIES, HOWARD, 65. Soc. Sci. Res. coun. grant, 67-68. Polit. Sci. Assn.; African Studies Assn. Nation-building; developing civil services; African biography. Publ.: African schools public administration, Boston Univ., 65; Gabon: nation-building on the Ogoué, M.I.T. Press, 67; France 1967; In: World Yearbook, 68. Address: Box 231, Howard University, Washington, D.C. 20001.
- WEINSTEIN, DR. EDWIN A(LEXANDER), Neuropsychiat, see 11th ed. Phys. & Biol. Vols.
- WEINSTEIN, PROF. EUGENE ALLEN, b. Chicago, Ill., June 14, 31; m. 52; c. 3. SOCIAL PSYCHOLOGY, SOCIOLOGY. B.A., Chicago, 50; M.A., Indiana, 51; Ph.D., Northwestern, 54. Fel. Chicago Child Care Soc., 54-55; study dir., Russell Sage Found., 55-58; assoc. prof. SOCIOL., Vanderbilt, 58-68; PROF. STATE UNIV. N.Y. STONY BROOK, 68. Consult., cmt. sociol. Grad. Record Exam., 65-; Sociol. Resources for Sec. Schs., 66-67. Sociol. Assn.; Soc. Res. Child Develop. Social psychology; personality development; inter-personal manipulation and control. Publ.: Family decision making over desegregation; co-auth., Some dimensions of altercating, Sociometry; Independent adoptions, Russell Sage Found., 63. Address: Dept. of Sociology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- WEINSTEIN, DR. LAURA KAGAN, b. New York, N.Y., Aug. 21, 27; m. c. 2. PSYCHOLOGY. B.A., Cornell, 49; Nat. Sci. Found. & U.S. Pub. Health Serv. fcls. & M.A., Vanderbilt, 61; Ph.D. (psychol.), 63. Asst. prof. PSYCHOL., GEORGE PEABODY COL., 63-65, ASSOC. PROF., 66- U.S. Off. Ed. res. grant, 66-70. Psychol. Soc. Personality development; social psychology; treatment of emotionally disturbed children. Publ.: Social schemata of emotionally disturbed boys, J. Abnorm. Psychol., 65; Social experience and social schemata, J. Personality & Soc. Psychol., 67; The mother-child schema, anxiety, and academic achievement in elementary school boys, Child Develop., 68. Address: Dept. of Psychology, George Peabody College, Nashville, Tenn. 37203.
- WEINSTEIN, PROF. L(EO), b. New York, N.Y., Sept. 22, 21; m. 44; c. 2. POLITICAL SCIENCE. A.B., Brooklyn Col., 43; Lowy hon. scholar. & M.A., Chicago, 49, Harper fel., 51, Soc. Sci. Res. Coun. fel., 56-57, Ph.D., 58. Asst. prof. GOVT., SMITH COL., 53-60, assoc. prof., 60-63, PROF., 63-, chmn. dept., 61-67. Rockefeller Found. fel., 60-61; lectr., Yale, 62-63. U.S.A., 43-46. Polit. Sci. Assn. Political philosophy; constitutional law; American politics. Publ.: The group approach: Arthur F. Bentley; ed., Essays on the scientific study of politics. Address: 64 Kensington Ave., Northampton, Mass. 01060.
- WEINSTEIN, DR. MARVIN S(EYMOUR), Psychol., see 10th ed. Soc. & Behav. Vols.
- WEINSTEIN, DR. MEYER, b. Brooklyn, N.Y., July 7, 22; m. 46; c. 2. PSYCHOLOGY. B.A., Bowling Green State, 50, M.A., 51; fel., Ohio State, 54-55, Ph.D. (psychol.), 55. Res. psychology aviation psychol. lab., Ohio State, 51-55; areo-med. lab., Wright-Patterson Air Force Base, Ohio, 55-57; ENG. PSYCHOLOGIST, N.Am. Aviation, Inc., 57-58; LOCKHEED MISSILES & SPACE CO., 58. U.S.A.A.F., 42-46. Human Factors Soc. Human engineering; vision; motor skills. Publ.: Stimulus correlates of visual pattern recognition, J. Exp. Psychol.; Quantitative study of the role of stimulus complexity in visual pattern discrimination, Am. Psychologist; Some relations among several measures of pattern discriminability, J. Exp. Psychol. Address: 7550 Rainbow Dr., San Jose, Calif. 95129.
- WEINSTEIN, DR. MORRIS, b. New York, N.Y.; m. 41; c. 3. PSYCHOLOGY. B.A., Brooklyn Col., 42; M.A., N.Y. Univ., 48, Ed.D. (psychol.), 54. Clin. psychologist, Albany Vet. Ment. Hyg. Clin., 50-52; psychosom. unit, Ellis Hosp., 52-53; asst. prof. psychol., dept. psychiat., Albany Med. Col., 53-63, chief clin. psychologist, med. center, 54-64; PSYCHOL. CONSULT., ALBANY COMMUNITY MENT. HEALTH BD., 63. Dir., Psychol. Serv. Inst. North-east N.Y., 67- Consult., State Dept. Ment. Health, Mass., 56-58; Hudson Training Sch. Girls, 60-64; St. Peters Hosp., 65-; psychol. consult., Menands Workshop, 66- Psychol. Assn. Psychotherapy; child psychology; rehabilitation and psychosomatic research. Publ.: Co-auth., Pilot study on medical student attitudes, J. Med. Ed.; auth., The complete physician, Proc. 3rd World Cong. Psychiat.; Adaptive patterns of the mother-complex housemother, Ment. Hyg. Quart., 10/64. Address: 116 Ramsey Place, Albany, N.Y. 12209.
- WEINSTEIN, DR. PAUL, b. Brooklyn, N.Y., Jan. 20, 33; m. 56; c. 1. ECONOMICS. B.A., Col. William & Mary, 54; M.A., Northwestern, 58, fel. & Ph.D. (econ.), 61. Res. assoc. econ. hist. petrol. hist. proj., Northwestern, 57-59; Instr. ECON., Okla. State, 59-61; asst. prof., Pittsburgh, 61-62; Columbia, 62-65; ASSOC. PROF., MARYLAND, 65- Sr. economist, regional econ. study, Pittsburgh, Regional Planning Assn., 61-62; dir. mil. training transferability study, Columbia-Maryland, 64- Consult., Dep. Under Secy. of Navy for Manpower, 66-; adv. manpower, Robert R. Nathan & Assocs., 66- Mem., Cmt. Econ. Develop., 63; Nat. Cmt. Urban Probs., 68- Econ. Assn.; Indust. Rels. Res. Assn.; Oper. Res. Soc. U.K. Development and economic effects of working rules; theory of union decision making; wage theory; regional economics. Publ.: Occupational crossover and universal military training, Univ. Chicago, 67; Racketeering and labor: an economic analysis, Indust. & Labor Rels. Rev., 4/66; co-auth., The military as a trainer: a study of problems in measuring crossover, IRRA & ASA, 12/67. Address: Dept. of Economics, University of Maryland, College Park, Md. 20740.
- WEINSTEIN, DR. SIDNEY, b. New York, N.Y., Apr. 27, 22; m. 59; c. 3. PSYCHOLOGY. B.S., City Col. New York, 49; M.A., N.Y. Univ., 50, Ph.D. (psychol.), 52. Asst. psychol., N.Y. Univ., 49-50, res. assoc., dept. neurol., col. med., 50-58, asst. in charge teaching lab., 49-51, instr. psychol., 53, lectr., 54-56, res. asst. prof., 56-58, res. assoc. prof., 58-59; depts. rehab. med. & neurol., Albert Einstein Col. Med., 59-67; PROF. PEDIAT. & DIR. NEUROPSYCHOL. LAB., N.Y. MED. COL., 67- Vis. assoc. prof., col. med., N.Y. Univ., 59-64; dept. ed. & sch. psychol., Yeshiva, 59-; lectr., Mt. Sinai Sch. Med., 66- Res. consult., neurol., Columbia-Presby. Hosp. Center, 59-64. U.S.A., 43-45. AAAS; Psychol. Assn.; Acad. Neurol.; Psychonomic Soc.; Soc. Psychophysiol. Res.; Soc. Res. Child Develop.; Interam. Soc. Psychol.; Int. Coun. Psychol. Effects of brain injury and drugs on sensation, perception, thinking and intelligence in man and animal. Publ.: Somatosensory changes after penetrating brain wounds in man; Functional cerebral hemispheric asymmetry, In: Proceedings of conference on hemispheric asymmetry of function, Oxford Univ., in press; Intensive and extensive aspects of tactile sensitivity as a function of body part, sex, and laterality, In: The skin senses, C.C. Thomas, 68. Address: Neuropsychological Lab, New York Medical College, 105 E. 106th St, New York, N.Y. 10029.
- WEINSTEIN, DR. STEPHEN A, b. Nov. 5, 39; U.S. citizen; m. 60; c. 3. PSYCHOLOGY, PHYSIOLOGY. Chicago, 56-58; Gilman fel., Hopkins, 59-61, M.A., 61, Nat. Insts. Health fel., 62-63, Sc.D. (physiol.), 63. Instr. psychiat., HOPKINS, 62-63, psychiat. & environ. med., 63-66, asst. prof., 66-68, ASSOC. PROF. ENVIRON. MED., 68- Fel. physiol., Yale, 66. Ed-in-chief, Commun. Behav. Biol., 67- Effects of gaseous environment on the nervous system and behavior regulation of respiration. Publ.: Co-auth., Respiratory conditional reflex formation with CO₂ and electric shock as UCS & A chronic cross-circulation technique for rats; auth., Carbon dioxide as a reinforcer in escape conditioning. Address: Dept. of Psychology, Johns Hopkins University, 615 N. Wolfe St, Baltimore, Md. 21205.
- WEINSTOCK, PROF. IRWIN, b. New York, N.Y., June 17, 28; m. 57; c. 2. MANAGEMENT SCIENCE. B.A., Washington (Seattle), 55; M.B.A., La. State, 57, Ph.D. (mgmt), 62. Instr. MGT., Arkansas, 57-58; asst. prof., Southwestern Louisiana, 58-62; assoc. prof., VA. POLYTECH, 62-66, PROF., 66- Training consult., Space Conditioning Corp., summer 65; NASA, summer 67. U.S.N., 48-52. Acad. Mgt. Organization theory; determination and influence of human perception and motivation within organizations. Publ.: Organizational creativity, South. J. Bus., 4/65; co-auth., What white collar TVA employees think about unions, Personnel J., 1/67 & Administrative sensitivity to worker needs: some distorting mechanisms, Acad. Mgt. J., 3/67. Address: College of Business, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- WEINSTOCK, DR. S. ALEXANDER, b. Budapest, Hungary, Feb. 3, 31; U.S. citizen; m. 63. SOCIOLOGY, PSYCHOLOGY. B.A., Brooklyn Col., 53; Ph.D. (soc. psychol.), Columbia, 62; William Alanson White Inst., 67. Res. fel. soc. rels., Harvard, 61-63; asst. prof. social, City Col. New York, 64-67; ASSOC. PROF. PSYCHOL. & SOCIOL. & CHMN. DEPT. SOCIOL., MANHATTANVILLE COL., 67- Vis. lectr., grad. faculties, dept. psychol. & proj. dir., Center New York City Affairs, New Sch. Soc. Res., 66-67. Mem. adv. bd., Behav. Res. Surv. Serv., 67- AAAS; Psychol. Assn.; Sociol. Assn.; Soc. Psychol. Study Social Issues. Psychopathology; social change; behavior modification; personality and social structure. Publ.: Role elements: a link between acculturation and occupational status, Brit. J. Sociol., 63; Some factors that retard or accelerate the rate of acculturation, Human Rels., 64; The medical model in psychopathology, Diogenes, 66. Address: 137 Riverside Dr, New York, N.Y. 10024.
- WEINSTOCK, DR. SOLOMON, Psychol., see 10th ed. Soc. & Behav. Vols.
- WEINTRAUB, DAVID, Int. Econ., see 10th ed. Soc. & Behav. Vols.
- WEINTRAUB, PROF. PHILIPP, b. Hannover, Germany, Aug. 13, 10; nat. SOCIOLOGY, LAW. Inst. Int. Ed. fel., Basel, 33-35, Dr. jur. utr., 35; J.D., Chicago, 55. Asst. prof. SOCIOL., Hobart Col. & William Smith Col., 37-38; instr., Cornell, 38-42; from instr. to PROF. HUNTER COL., 42- Lectr., City Col. New York, 43-45; vis. prof., Uppsala, 49-50; lectr., Ford Found. Sem., N.Y., 57, 58; vis. prof., Frankfurt, 62-63. Consult., Coun. State Govt., 55-56. Sociol. Assn. Sociology of law and international relations; population study; criminology. Publ.: Wages agreements as a source of law; United Nations Relief & Rehabilitation Administration: an experiment in international welfare planning; Sterilization in Sweden: its law and practice. Address: Dept. of Sociology & Anthropology, Hunter College, 695 Park Ave, New York, N.Y. 10021.
- WEINTRAUB, DEAN RUTH G, b. New York, N.Y., Feb. 15, 09; m. 30; c. 1. POLITICAL SCIENCE. A.B., Hunter Col., 29; A.M., Columbia, 30, Ph.D., 39; J.D., N.Y. Univ., 30. PROF. POLIT. SCI., HUNTER COL., 29-, DEAN GRAD. STUDIES ARTS & SCI., 56-, chmn. dept., 56-60. Chmn. exec. cmt. State Legis. Intern. Prog., N.Y., 61. Polit. Sci. Assn.; Soc. Pub. Admin. Government corporations and state law. Publ.: How secure these rights; collab., Goals for political science; co-auth., Administrative questions and political answers, Van Nostrand, 66. Address: Dept. of Political Science, Hunter College, 68th & Park Ave, New York, N.Y. 10021.
- WEINTRAUB, PROF. SIDNEY, b. Brooklyn, N.Y., Apr. 28, 14. ECONOMICS. B.C.S., N.Y. Univ., 35, M.B.A., 36, Ph.D., 41; London Sch. Econ., 38-39. Instr.,

St. John's (N.Y.), 39-41, prof, 45-50; economist, U.S. Dept. Treas, 42; vis. prof. ECON, PENNSYLVANIA, 50-51, PROF, 51- Econ. Asn; Economet. Soc; Royal Econ. Soc. Economic theory; price theory; income and employment analysis. Publ: Price theory; Theory of income distribution; A general theory of the price level. Address: Dept. of Economics, University of Pennsylvania, Philadelphia, Pa. 19104.

WEINTRAUB, DR. SIDNEY, b. New York, N.Y., May 18, 22; m. 46; c. 3. ECONOMICS. B.B.A., City Col. New York, 43; B.S. & M.A. Missouri, 48; M.A. Yale, 58; Ph.D.(econ), American Univ, 66. City ed, Post Herald, Beckley, W.Va, 48-49; for. serv. officer, U.S. DEPT. STATE, Madagascar, 49-51, Mexico City, 51-54, Wash, D.C., 54-57, Tokyo, Japan, 58-59, Bangkok, Thailand, 59-61, int. economist, off. for. serv, D.C., 61-64, chief commercial policy, 64-66, ECON. COUNSR, U.S. EMBASSY, CHILE, 67-, DIR, U.S. AGENCY INT. DEVELOP. MISSION TO CHILE, 67- U.S. del. int. conf, UN, Gen. Agreement Tariffs & Trade & Econ. Cmn. Asia & Far East, 51- U.S.A., 43-46, Sgt. Econ. Asn. Far Eastern and United States economic and political relations; United States economic and political relations with the European economic community. Publ: Mexican slay ride; Foreign exchange gap of the developing countries, Princeton, 65; Trade preferences for less developed countries, Praeger, 67. Address: Santiago, U.S. Agency for International Development, Dept. of State, Washington, D.C. 20521.

WEINWURM, PROF. ERNEST H(ERMAN), b. Vienna, Austria, Apr. 20, 95; nat; m. 32; c. 1. ACCOUNTING. LL.D., Vienna, 20; M.B.A. N.Y. Univ, 45. Economist, Credita instalt-Bankverein, Vienna, 20-38; res. assoc, inst. int. finance, N.Y. Univ, 39-42; acct, Loew's Inc, 42-50; assoc. prof. indust. eng, Stevens Inst. Tech, 50-54; ACCT, DePAUL, 54-62, PROF, 62- Econ. Asn; Acct. Asn; Inst. Indust. Eng; Financial Exec. Inst; Budget Exec. Inst; Nat. Asn. Acct; Inst. Mgt. Sci; Opers. Res. Soc; Royal Econ. Soc. Management accounting; industrial engineering; data processing systems; international economics and finance. Publ: Co-auth, Managerial budgeting, Macmillan, 64; Business information and accounting systems, C.E. Merrill, 67; auth, Philosophy of decision making, Int. Textbook, 68. Address: 25 E. Jackson Blvd, Chicago, Ill. 60604.

WEIR, DR. JOHN R(EXALL), b. Ashland, Ohio, Sept. 25, 13; m. 40; c. 2. PSYCHOLOGY. B.A., California, Los Angeles, 48, M.A. & Ph.D.(psychol), 51. Clin. psychol. trainee, Vet. Admin, 48-51; asst. prof. & res. assoc. PSYCHOL, CALIF. INST. TECH, 51-52, ASSOC. PROF, 52-, dir. student counseling, 52-58. Consult, Edward Glaser Assocs, 54-59. Fel, Inst. Appl. Behav. Sci, 62- U.S.A.A.F, 43-46. Psychol. Asn. Identification and encouragement of scientific talent; psychology of creative thinking; application of psychological principles to industrial organization; human relations training; organizational change. Publ: Co-auth, The next 100 years, Viking, 57; The next 90 years, Calif. Inst. Tech, 67. Address: Dept. of Psychology, California Institute of Technology, Pasadena, Calif. 91109.

WEIR, DR. MORTON W(EBSTER), b. Canton, Ill, July 18, 34; m. 56; c. 3. PSYCHOLOGY. A.B. Knox Col.(Ill), 55; Nat. Sci. Found. fel, Texas, 57-59, M.A. 58, Ph.D.(psychol), 59. Asst. prof. & res. assoc. child develop, Minnesota, 59-60; asst. prof. PSYCHOL, ILLINOIS, URBANA, 60-64, ASSOC. PROF, 64- Nat. Inst. Ment. Health res. grant, 61- Mem. res. & eval. adv. cmt, Proj. Head Start, 65-; develop. behav. sci. study sect, Nat. Insts. Health, 68-70. Med.Serv.C, U.S.A., 60, Capt. AAAS; Psychol. Asn; Soc. Res. Child Develop. Experimental child psychology; cognitive development; children's learning and problem solving. Publ: Co-auth, The effect of verbalization on children's learning as a function of chronological age, Child Develop, 59; auth, Developmental changes in problem-solving strategies, Psychol. Rev, 64; Age and memory as factors in problem solving, J. Exp. Psychol, 67. Address: Dept. of Psychology, University of Illinois, Urbana, Ill. 61801.

WEIR, PROF. NORMAN E(DWARD), b. Pueblo, Colo, Sept. 17, 08; m. 34; c. 2. ECONOMICS, FINANCE. A.B. Oklahoma, 35; M.A. Colorado, 41; Ph.D.(econ), Southern California, 62. Teacher, Cheraw Consol. High Sch, 36-39; case worker, Boulder, Colo, 39-41; field dir, Am. Red Cross, Africa & Italy, 42-44; dir, United Serv. Orgn, Muskogee, Okla, 44-45; registr, sch. bus, Denver, 45-48; asst. prof. econ, Miss. State Col, 48-56; finance, Loyola (Calif), 56-62; assoc. prof. Tech. Col, 62-64; chmn. dept. bus, Jacksonville, 64-66; PROF. ECON. & FINANCE, TAMPA, 66- Prof. Northrop Inst. Tech, 58-62. Consult, Port of Jacksonville, 65-66. Econ. Asn. Consumer installment credit. Publ: Co-auth, The impact of the Port of Jacksonville on the economy of the community, Cresent, 65; auth, Statistical abstract of Mississippi, 1950 and 1952; Consumer installment credit as a variable in the quantity and velocity of money in California, 1950-1960, J. Finance, 3/63. Address: 1710 Jetton Apt. 9, Tampa, Fla. 33606.

WEIR, PROF. THOMAS O(LIVER), Econ, see 10th ed, Soc. & Behav. Vols.

WEIR, PROF. THOMAS R(OBERT), b. Winnipeg, Man, July 13, 12; m. 43; c. 2. GEOGRAPHY. B.A., British Columbia, 41; A.M., Syracuse, 44; fel, Wisconsin, 48-49, Ph.D., 51. Asst. prof. GEOG, MANITOBA, 40-51, assoc. prof, 51-56, PROF. & HEAD DEPT, 56- Can. Coun. res. grant, 59-60, 62- & fel, 68-69; guest lectr, Edinburgh, 64. Consult. & ed, Atlas of Manitoba, 60. Del. Int. Geog. Cong, Rio de Janeiro, 58; Stockholm, 60. Asn. Am. Geog. Can. Asn. Geog.(pres, 66-67). Geographic survey of ranching the interior plateau of British Columbia; population changes in Western Canada; cartography and historical geography of Western Canada. Publ: Co-auth, Regional geography of North America, Gage, 66; auth, Geography of Manitoba, Principles & Practices of Commercial Farming, 65; People of Canada, Canada: a Geog. Interpretation, 67. Address: Dept. of Geography, University of Manitoba, Winnipeg, Man, Can.

WEISBERG, DR. PAUL, b. New York, N.Y., Mar. 30, 34; m. 57; c. 2. PSYCHOLOGY. B.B.A., City Col. New York, 58; M.A., George Washington, 58; Ph.D.(psychol), Maryland, 62. Asst. PSYCHOL, Maryland, 59-60; res. assoc, Nat. Inst. Ment. Health, 60-61; Walter Reed Army Hosp, 61-62; ASST. PROF, BROWN, 62- Prin. investr, U.S. Pub. Health Serv. res. grants, 63-64 & 65-68. Consult, R.I. Off. Ment. Retardation, 67- AAAS; Psychol. Asn. Experimental child psychology. Publ: Social and nonsocial conditioning of infant vocalizations, Child Develop, 63; co-auth, Fixed ratio

and extinction performance of infants in their second year of life, J. Exp. Anal. Behav, 66 & Analyses of DRL behavior in young children, Psychol. Reports, 67. Address: Dept. of Psychology, Brown University, Providence, R.I. 02912.

WEISBROD, PROF. BURTON ALLEN, b. Chicago, Ill, Feb. 13, 31; m. 51; c. 2. ECONOMICS. B.S., Illinois, 51; M.A., Northwestern, 52, Ph.D., 58. Lectr. econ, Northwestern, 54-55; instr, Carleton Col, 55-57; Washington (St. Louis), 57-58, asst. prof, 58-62, assoc. prof, 62-63; sr. staff mem, Coun. Econ. Adv, 63-64; assoc. prof. ECON, WISCONSIN, 64-66, PROF, 66- Vis. lectr, Princeton, 62. Consult, Meramec Basin res. proj, 59; cmm. cost med. care, Am. Med. Asn, 60; water supply res. proj, Northwestern, 60-61; various U.S. Govt. orgn, 65- Mem. panel, Nat. Adv. Cmn. Health Manpower, 66-67; mem. adv. cmm. to surgeon gen, Regional Med. Prog, 66-67. AAAS; Econ. Asn. Public finance; price theory; welfare economics; investment in human capital through health and education. Publ: Economics of public health; Ed. & auth, Economics of poverty, Prentice-Hall, 66; auth, External benefits of public education, Indust. Rels. Sect, Princeton, 63. Address: Dept. of Economics, University of Wisconsin, Madison, Wis. 53706.

WEISE, DR. R. ERIC, b. Charleston, W.Va, Jan. 30, 33; m. 59; c. 3. INTERNATIONAL RELATIONS, POLITICAL SCIENCE. A.B., Cincinnati, 54, A.M., 63; Ph.D.(Japan, int. orgn), Indiana, 66. Staff res. asst, Cincinnati Milling Mach. Inc, 58-59; proprietor & pres, Ins. Assocs. Inc, 59-62; Taft teaching fel. Am. Govt, Cincinnati, 62-63; teaching asst. for. policy, Indiana, 63-64; instr. Am. govt, CINCINNATI, 64-65, asst. prof. FOR. POLICY & AM. GOVT, 65-68, ASSOC. PROF, 68-, founder & consult. inst. govt. res, 67-68. Dir. & consult, Robert A. Taft Inst. Govt. & dir, Election & Voting Behav. Study, Ohio & W.Va, 65-68. Sig.C, U.S.A., 54-56, Sgt. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. American political behavior; voting behavior; United States foreign policy, East and Southeast Asia; foreign policy of Japan. Publ: Co-auth, The new American government, Dorsey, 68; auth, Voter attitude surveys in small geographical districts, Opinion Quart, 68. Address: Dept. of Political Science, University of Cincinnati, Cincinnati, Ohio 45221.

WEISENBERG, DR. MATISYOHU, b. Worcester, Mass, Dec. 16, 36; m. 61; c. 3. PSYCHOLOGY. B.A., Yeshiva, 58; Nat. Inst. Ment. Health fel, N.Y. Univ, 64-65, Ph.D.(psychol), 65. Res. asst. psychol, N.Y. Univ, 62-64; RES. PSYCHOLOGIST, DIV. COMMUNITY HEALTH SERV, U.S. PUB. HEALTH SERV, 65- N.Y. Univ. Founder's Day Award Outstanding Acad. Achievement, 66. Psychol. Asn; Acad. Polit. & Soc. Sci. Experimental and applied social psychology including attitude theory and change, evaluation of training, human motivational aspects of stress and reactions to threat. Publ: Co-auth, Communicator effectiveness in producing public conformity and private attitude change, J. Personality, 65 & Control of pain motivation by cognitive dissonance, Science, 66; auth, The role of expert and peer speakers in a short term training seminar, Pub. Health Reports, 68. Address: 8802 Lanier Dr, Silver Spring, Md. 20910.

WEISGERBER, CHARLES A(UGUST), S.J., b. Cincinnati, Ohio, Sept. 11, 12. PSYCHOLOGY. A.B., Loyola (Ill), 35, M.A., 40, Ph.D.(psychol), 49; S.T.L., West Baden Col, 44. Instr. PSYCHOL, DETROIT, 49-50, asst. prof, 50-54, assoc. prof, 54-59, PROF, 59-, dir. psychol. serv. center, 52-53, chmn. dept. psychol, 53-64, asst. dean grad. sch, 55-56, acting dean, 57-58, summers, 60, 61. Psychologist, St. Vincent & Sarah Fisher Home Children, Farmington, Mich, 50-52. AAAS; Psychol. Asn; Acad. Relig. & Ment. Health. Personality assessment; feelings and emotion; learning; psychology and religion. Publ: Co-auth, Screening candidates for the priesthood and religious life, Loyola, 62; auth, Comparison of normalized and linear T scores in the MMPI, J. Clin. Psychol, 65; The study of values in screening for a religious order, J. Relig. & Health, 66. Address: Lansing-Reilly Hall, University of Detroit, Detroit, Mich. 48821.

WEISIGER, PROF. CARROLL, JR, b. Atlanta, Ga, Dec. 1, 14; m. 40; c. 1. EXPERIMENTAL PSYCHOLOGY. A.B. Kentucky, 36, fel, 36-37, M.A., 37. Asst. psychol, Kentucky, 38; instr, West. Ky. State Col, 39; personnel officer, Nat. Youth Admin, 39-40; admin. officer, Work Projs. Admin, 40-43; Fed. Works Agency, 43-46; from instr. to ASSOC. PROF. PSYCHOL, PURDUE, 46- AAAS; Psychol. Asn. Experimental psychology; verbal learning. Publ: Co-auth, Laboratory experiments in general psychology. Address: Dept. of Psychology, Purdue University, Lafayette, Ind. 47907.

WEISKOPF, PROF. WILLIAM J, b. Germany, May 26, 20; U.S. citizen; m. 43; c. 2. ECONOMICS. B.A., N.Y. Univ, 42, M.A., 47, Ph.D.(econ), 56. Economist, Off. Price Admin, 46; U.S. Bur. Labor Statist, 46-47; instr. ECON. KENT STATE, 47-49, asst. prof, 49-56, assoc. prof, 56-63, PROF, 63- Econ-in-action fel, case, 60; participant seminar appl. econ, Chicago, 62. U.S.A., 42-45, 1st Lt. Econ. Asn. Labor markets and manpower training and development. Address: 498 Miller Ave, Kent, Ohio 44240.

WEISMAN, DR. HERMAN M, b. Visk, Russia, Dec. 21, 16; U.S. citizen; m. 49; c. 3. COMMUNICATIONS, INFORMATION SCIENCE. B.A., Minnesota, 39; M.A., N.Y. Univ, 48; Ph.D.(commun), Denver, 50. Instr. basic commun, Denver, 48-50; speech, Hunter Col, 50-51; head eng. serv, PRD Electronics, 51-57; dir. center res. in commun, Colorado State, 63-65, prof. tech. journalism & chmn. dept, 57-65; MGR. INFO. SERV, OFF. STANDARD REFERENCE DATA, NAT. BUR. STANDARDS, 65- Lectr, City Col. New York, 50-52; grants, Nat. Sci. Found, 59-61 & 63, Cahners Pub. Co, 64-65. Consult, Nat. Inst. Child Health & Human Develop, 63-65; Nat. Bur. Standards, 64-65. U.S.A., 42-46, Capt. AAAS; Nat. Soc. Study Commun; Nat. Asn. Sci. Writers. Symbolology; improvement of public understanding of science. Publ: Technical report writing, 66 & Basic technical writing, 2nd ed, 68, C.E. Merrill; Technical correspondence, Wiley, 68. Address: Office of Standard Reference Data, National Bureau of Standards, Washington, D.C. 20234.

WEISS, BENJAMIN H(ARRIS), b. New York, N.Y., Jan. 2, 15. ECONOMICS, PUBLIC ADMINISTRATION. B.S.S., City Col. New York, 33; Columbia, 39; scholar, N.Y. Univ, 58-59, M.P.A., 60; New Sch. Soc. Res, 59-60; Syracuse, 62. Labor law investr, Comptroller, New York, 43-61; SR. ECONOMIST, STATE DEPT. COMMERCE, 61- Teacher, high sch, N.Y., 35-51. Statist. Asn; Econ. Asn; Pub. Personnel Asn. Industrial migration; effects of wage

- and fringe benefit structure on business expansion; government finance, specifically its influence on economic activity. Address: State Dept. of Commerce, 230 Park Ave, New York, N.Y. 10017.
- WEISS, DR. BERNARD, Exp. & Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.
- WEISS, DR. BERTRAM A(RTHUR), Clin. Psychol, see 10th ed, Soc. & Behav. Vols.
- WEISS, DR. BURTON A(LBERT), b. Plainfield, N.J., May 8, 41. PSYCHOLOGY. A.B., Princeton, 63, Nat. Inst. Ment. Health fel. & M.A., 65, Nat. Inst. Ment. Health fel. & Ph.D.(psychol), 66. Fel. psychol, Auditory Res. Lab, Princeton, N.J., 66; ASST. PROF. PSYCHOL, South Florida, 66-68; MASSACHUSETTS, 68- Summer res. asst, Auditory Res. Lab, N.J., 62; dept. animal behav, Am. Mus. Nat. Hist, 63; Nat. Inst. Neurol. Diseases & Blindness res. grant, 67-69. Coun. consult, Nat. Inst. Neurol. Diseases & Blindness, 66; manuscript consult, McGraw-Hill Pub. Co, 67. Mem, Int. Oceanog. Found. AAAS; Am. Inst. Biol. Sci.; Inst. Physics; Psychol. Asn.; Acoustical Soc. Comparative and physiological psychology, especially hearing; early evolution of vertebrate hearing, especially fishes and amphibians. Publ: Hearing in the green tree frog, 65 & Hearing in the goldfish, 66, J. Auditory Res, 66; co-auth, Inter-situational transfer in the ant, Behaviour, 67. Address: Dept. of Psychology, University of Massachusetts, Boston, Mass. 02116.
- WEISS, DR. EDWARD C(RAIG), b. Philadelphia, Pa, Jan. 20, 24; m. 52. EXPERIMENTAL & ENGINEERING PSYCHOLOGY. B.A., Temple, 48, M.A., 50; Ph.D., Maryland, 54. Res. psychologist, Human Eng. Lab, Aberdeen Proving Ground, Md, 54-57, chief. systs. eval. sect, 57-59; sr. res. scientist, Matrix Corp, 59-63, v.pres. & dir. human factors div, 63-67; DIR. SPEC. PROJS. PROG. OFF. SCI. INFO. SERV, NAT. SCI. FOUND, 67-U.S.A., 43-46. Psychol. Asn.; Soc. Eng. Psychol. Corporate organization structure; vision; human engineering design of complex man-machine systems; programmed instruction; system analysis. Publ: Relation of personnel statistics to organizational structure, Personnel Psychol; An examination of visual activity and depth perception as a function of magnification, J. Appl. Psychol; Design and evaluation of a self-tutoring method for on-site training in SAGE AN/FST-2 troubleshooting, Psychol. Res. Assocs. Report. Address: 4105 Watkins Trail, Annandale, Va. 22003.
- WEISS, DR. ELEANOR S(YLVIA), b. Boston, Mass, Aug. 29, 15. STATISTICS. B.S., Boston, 36, M.Ed, 37; fel, Harvard, 44-54, Ed.D, 55. Teacher, pub. sch, Mass, 37-42; asst. ed. statist, Harvard, 43-44; res. assoc. eng, State Dept. Ed, N.Y., 55; ASSOC. STATIST, ED. TESTING SERV, 55- Statist. Asn.; Psychomet. Soc.; Coun. Measurement in Ed. Factor analysis of cognitive abilities; tests of mathematical ability; guidance. Address: 21 Harris Rd, Princeton, N.J. 08540.
- WEISS, DR. ERWIN S(IDNEY), b. Cleveland, Ohio, Nov. 8, 28; m. 60. PSYCHOLOGY. B.S. Western Reserve, 50, Ph.D.(clin. psychol), 57; M.A., Texas, 53. Lectr. psychol, sch. appl. soc. sci, Western Reserve, 57, res. assoc, 57-59, clin. instr, 58-61; exec. v.pres, Builders Struct. Steel Corp, 61-66; SR. MGT. PSYCHOLOGIST, PERSONNEL RES. & DEVELOP. CORP, 66- Psychiat. soc. worker, Brooke Army Hosp, 50-52; U.S. Pub. Health Serv. res. proj. dir, Bellefaire Child Care Center, 57-59; dir. psychol. serv, St. Luke's Hosp, 59-61. U.S.A., 50-52. Psychol. Asn. Organizational behavior; executive development; individual assessment; personality variables associated with discrimination learning. Address: 2918 Kingsley Rd, Shaker Heights, Ohio 44122.
- WEISS, DR. FRANCIS JOSEPH, Biochem, see 11th ed, Phys. & Biol. Vols.
- WEISS, DR. GEORGE, b. Newark, N.J., Oct. 6, 26; m. 50; c. 2. CLINICAL PSYCHOLOGY. A.B., Indiana, 49; Texas, 51; M.A., Kent State, 52; Ph.D. (clin. psychol), Yeshiva, 60. Intern. clin. psychol, Annandale Reformatory, N.J., 50-51; clin. psychologist, N.J. State Prison Farm, 53-60; dir. psychol, N.J. State Prison, 60; CHIEF PSYCHOLOGIST, FAMILY MENT. HEALTH SERV, 60- Private practice, Passaic, 62-; sch. psychologist, Mountain Lakes, 66- Consult, N.J. State Dept. Insts. & Agencies, 61-66; N.J. Bur. Children's Serv, 67-; N.J. Rehab. Cmn, 68- Psychol. Asn. Psycho-diagnosis; projective techniques; psychoanalytically based research. Publ: Intravenous use of tripeleamine hydrochloride as a narcotic-like substitute, Diseases Nervous Syst; Hallucinogenic and narcotic-like effects of powdered myristica (nutmeg), Psychiat. Quart. Address: 17 Lorrie Lane, Clifton, N.J. 07012.
- WEISS, DR. GERALD, b. Brooklyn, N.Y., Nov. 24, 30; m. 57; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A., Brooklyn, 52; M.A., Iowa, 54, Ph.D.(exp. psychol), 65. ASST. PROF. PSYCHOL, MACALESTER COL, 65- U.S.A., 54-56. AAAS. Conditioning; discrimination; social learning; behavior theory; history of psychology. Address: Dept. of Psychology, Macalester College, St. Paul, Minn. 55101.
- WEISS, DR. GERTRUDE S(CHMIDT), Econ, see 10th ed, Soc. & Behav. Vols.
- WEISS, DR. HARRY, Labor Econ, see 10th ed, Soc. & Behav. Vols.
- WEISS, DR. HENRY H, b. New York, N.Y., Jan. 29, 24. PSYCHOLOGY. B.A., Hunter Col, 50; fel, Washington (St. Louis), 54-55; Ph.D.(psychol), Illinois, 55. Psychol. trainee, West Side Vet. Admin. Hosp, Chicago, Ill, 57-59; STAFF PSYCHOLOGIST, Wis. Diag. Center, 59-64; DIV. MENT. HYG, STATE DEPT. HEALTH & SOC. SERV, WIS, 64- Instr. med. sch, Wisconsin, 59- U.S.A., 43-46. Psychol. Asn. Clinical psychology; brain functions. Publ: Effects of ether and a barbiturate on water regulation in the rat, J. Comp. & Physiol. Psychol; Some methodological problems in the identification of the functionally deaf, Am. Med. Asn. Arch; Speech training of language acquisition? a distinction when speech training is taught by operant conditioning procedures, Am. J. Orthopsychiat. Address: 5222 S. Hill Dr, Madison, Wis. 53705.
- WEISS, DR. HERBERT FELIX, b. Vienna, Austria, July 25, 30; U.S. citizen. POLITICAL SCIENCE. B.A., N.Y. Univ, 52; M.A., Columbia, 54, Ph.D.
- (comp. polit, Africa), 65; cert, Ecole d'Etudes Politiques, Paris, 56. Res. analyst Africa, U.S. Dept. State, 58-59; res. assoc, center int. studies, Mass. Inst. Tech, 59-62; acting asst. prof, Stanford, 64; from asst. prof. to ASSOC. PROF. COMP. POLIT. & AFRICA, N.Y. UNIV, 65-, SR. FEL. AFRICA, CENTER INT. STUDIES, 67- Summer asst. prof, Columbia, 64; Hoover Inst. fel, 65-; Soc. Sci. Res. Coun. fel, 66. African Studies Asn. Rural protest in Africa. Publ: Co-auth, Le Parti Solidaire Africain, C.R.I.S.P., Brussels, 63 & Congo 1964, 65, 66--documents, Princeton, 66 & C.R.I.S.P., Brussels, 67; auth, Political protest in the Congo, Princeton, 67. Address: Dept. of Politics, New York University, New York, N.Y. 10003.
- WEISS, DR. HERMAN R(OBERT), b. Oct. 3, 13; m. 38; c. 2. PSYCHOLOGY. Ph.D.(sociol. psychol), N.Y. Univ, 51. Remedial psychologist, Dept. Ed, New York, 35-38, psychologist, Dept. Correction, 38-40, Bellevue Hosp, 40-46; CHIEF PSYCHOLOGIST, Vet. Admin. Hosp, Staten Island, 46-50, Brooklyn, 50-60, Vet. Admin. Ment. Hyg. Clin, 60-67; BROOKDALE HOSP. CENTER, 67- Lectr, Brooklyn Col, 47-; sch. gen. studies, Columbia, 59-; clin. instr, col. med, State Univ. N.Y. Downstate Med. Center, 56- Consult, Kings Highway Med. Center, 58- Dipl. Am. Bd. Exam. Prnl. Psychol, 44. U.S. Maritime Serv, 44-46; U.S.A.F., 51-53, Capt. AAAS; fel. Psychol. Asn; fel. Sociol. Asn; Group Psychother. Asn; Acad. Soc. & Polit. Sci. Mental hygiene; problems of adjustment of physically and emotionally handicapped. Publ: Study of treatment needs of adolescent delinquents, J. Criminal Law & Criminol; An exploration of reported sleep disturbances, J. Nervous & Ment. Diseases. Address: Brookdale Hospital Center, Linden Blvd. & Rockaway Pkwy, Brooklyn, N.Y. 11212.
- WEISS, DR. IRVING, Math. Statist, see 11th ed, Phys. & Biol. Vols.
- WEISS, IRVING, b. Czechoslovakia, Oct. 25, 12; nat; m. 36; c. 3. STATISTICS, LAW. LL.B., St. Lawrence, 36, LL.M., 37; B.A., George Washington, 45. Asst. chief for. trade div, BUR. CENSUS, 45-60, econ. ops. div, 60-64, prin. statist. adv, Agency Int. Develop, Bangkok, Thailand, 64-68, ASST. DIV. CHIEF, FOR. TRADE DIV, 68- UN tech. assistance expert adv, Israel Pop. Census, 60-61. Statist. Asn. Foreign trade; international economics. Address: Foreign Trade Division, Bureau of the Census, Washington, D.C. 20233.
- WEISS, DR. JAMES M(SES) A(ARON), Psychiat, see 11th ed, Phys. & Biol. Vols.
- WEISS, DR. JONATHAN H(YMAN), b. New York, N.Y., May 19, 36. CLINICAL PSYCHOLOGY. B.A., Brooklyn Col, 57; Ph.D., Rochester, 61. Asst. prof. psychol, Rochester & clin. assoc. psychiatrist, sch. med. & dent, 61-62; chief clin. psychol, CHILDREN'S ASTHMA RES. INST. & HOSP, 63-68, DIR. BEHAV. SCI. DIV, 68- Lectr, Denver, 64; Temple Buell Col, 67. Nat. Inst. Ment. Health fel, 61 & res. grants, 64-65 & 67-69; Sigma Xi grant-in-aid, 64. Psychol. Asn; Soc. Psychol. Study Social Issues. Diagnostic and therapeutic theory and practice; psychosomatic problems. Publ: Mood states associated with asthma in children, J. Psychosom. Res, 66; co-auth, Chap. on asthma, In: Symptoms of psychopathology & Chap. on psychosomatic conditions, In: Manual of child psychopathology, (in press). Address: Children's Asthma Research Institute & Hospital, 3401 W. 19th Ave, Denver, Colo. 80204.
- WEISS, DR. JUSTIN L(EON), b. Newark, N.J., Apr. 7, 22; m. 43; c. 2. PSYCHOLOGY. B.Litt, Rutgers, 42; M.A., Michigan, 52, Ph.D.(psychol), 55. Staff clin. psychologist, univ. hosp, Michigan, 54-55, asst. prof. psychol, 56-59; instr, sch. med, Yale, 55-56; CHIEF CLIN. PSYCHOL. SERV, MASS. MENT. HEALTH CENTER, 59- Lectr, dept. soc. rels. & clin. assoc, dept. psychiat, med. sch, Harvard, 59- Private practice, 57- Consult. psychologist, pub. schs, Conn, 55-56; State Hosp, 56. U.S.A.F., 42-46. Psychol. Asn. Experimental study of psychoanalytic theory of personality; application, teaching and experimental study of clinical psychodiagnostic tests; treatment of emotional illness in adults and children. Address: Massachusetts Mental Health Center, 74 Fenwood Rd, Boston, Mass. 02115.
- WEISS, LEONARD, b. Chicago, Ill, June 5, 18; m. 46; c. 2. INTERNATIONAL RELATIONS. B.A., Chicago, 39; fel, Fletcher Sch. Law, 39-41, M.A., 40; fel, Brookings Inst, 41-42. Res. asst, State Tax Cmn, Ill, 38; int. econ, Carnegie Endowment Int. Peace, 40; economist, Off. Inter-Am. Affairs, 42-43, 46; economist & asst. chief trade agreements & treaties div, U.S. DEPT. STATE, 46-57, counsr. econ. affairs, Am. Embassy & dept. dir. & acting dir. Int. Coop. Admin. Aid Mission, Yugoslavia, 57-60, dir. off. int. trade & finance, 60-63, counsr. econ. affairs, Am. Embassy, New Delhi, 63-65, minister-counsr. polit. & econ. affairs, 65-67, MEM. SR. SEMINAR FOR. POLICY, 67- Mem. U.S. del. Gen. Agreement Tariff & Trade, UN, 50, 53-54, 55 & 62-63; Econ. & Soc. Coun. UN, 51; Orgn. European Econ. Coop. Coun. Ministers, 54; alternate U.S. rep, Econ. Cmn. Asia & Far East, UN, 65, 66 & 67. Superior serv. award, U.S. Dept. State, 63. U.S.N., 43-46. Econ. Asn. International economics and relations. Address: 4126 N. 34th St, Arlington, Va. 22207.
- WEISS, PROF. LEONARD WINCHELL, b. Eugene, Ore, Nov. 1, 25; m. 56; c. 4. ECONOMICS. B.S. Northwestern, 45; London Sch. Econ, 49-50; Ford Found. fel, Wisconsin, 51-52; Ph.D., Columbia, 54. Instr. ECON, Wayne State, 50-55; asst. prof, San Jose State Col, 55-58; assoc. prof, 58-62; assoc. prof, WISCONSIN, 62-64, PROF, 64- Ford Faculty fel, 67-68; vis. assoc. prof, Minnesota, 60-61. Consult, Bur. Census, 65-66. U.S.N., 43-47. Econ. Asn. Industrial organization. Publ: Economics and American industry, Wiley, 60; Concentration and labor earnings, Am. Econ. Rev, 3/66; co-auth, Firm size and profitability, Rev. Econ. & Statist, 8/67. Address: Dept. of Economics, University of Wisconsin, Madison, Wis. 53706.
- WEISS, PROF. LIONEL, b. New York, N.Y., Sept. 5, 23; m. 46; c. 3. STATISTICS. A.B., Columbia, 43, A.M., 45, Gottsberger fel, 46-47, Ph.D.(math. statist), 53. Asst. prof. statist, Virginia, 49-53, assoc. prof, 53-56; math, Oregon, 56-57; OPERS. RES, CORNELL, 57-61, PROF, 61- Inst. Math. Statist. Publ: Statistical decision theory. Address: Dept. of Operations Research, Cornell University, Ithaca, N.Y. 14850.

WEISS, DR. MILDRED, b. Spokane, Wash, Aug. 21, 13; m. 55. CLINICAL PSYCHOLOGY. B.S. Wisconsin, 51; cert. Yale, 52; Ph.D.(clin. psychol), Western Reserve, 58. Clin. psychol. trainee, Vet. Admin, 52-57; DIR. PSYCHOL. SERV. CLEVELAND CENTER ON ALCOHOLISM, 57-; ASST. PROF. PSYCHOL. & ADMIN. OFFICER DEPT. CASE WESTERN RESERVE, 64-; clin. instr. ed. & psychol, 58-64. Consult, Vet. Admin, 68- W.A.C., 43-46, Capt. Psychol. Asn; Acad. Relig. & Ment. Health. Personality; psychology of women; alcoholism. Address: 7883 Birchwood Dr, Chesterland, Ohio 44026.

WEISS, MYRON, b. Cleveland, Ohio, July 14, 94; m. 28. SOCIAL & POLITICAL SCIENCE. A.B. Harvard 14; Cleveland Law Sch, 15; hon. Oratory Dr, Staley Col, 37. Assoc. ed, Time, Inc, 25-38; ED. COUNSEL, MYRON WEISS, PUBLISHER, 39-; METALS INFO. LIBRARY, 58- U.S.A., 16-19. AAAS; Soc. Metals; Spec. Libraries Asn; Soc. Tech. Writers & Pub; Arbit. Asn; Med. Writers Asn; hon. mem. Pan-Am. Med. Asn; Acad. Polit. & Soc. Sci. News of nuclear energy, industry, physical sciences, medicine and metallurgy. Publ: Ed. In defense of love, Men, metals and modern magic & Bedside guide for the management of the heart patient. Address: 130 W. 57th St, New York, N.Y. 10019.

WEISS, DR. PAUL A(LFRED), Biol, see 11th ed, Phys. & Biol. Vols.

WEISS, DR. ROBERT FRANK, b. New York, N.Y., Oct. 11, 34; m. 60. SOCIAL & EXPERIMENTAL PSYCHOLOGY. B.A., N.Y. Univ, 54; scholar, Yale, 55-56, M.S., 56, Ph.D.(psychol), 58. Res. assoc. psychol, Iowa, 57-58; res. scientist, Columbus Psychiat. Inst. & asst. prof. psychiat, Ohio State Univ, 58-65; asst. prof. PSYCHOL, Queens Col.(N.Y.), 65-68; ASSOC. PROF. OKLAHOMA, 68- Nat. Inst. Ment. Health res. grants, 61- AAAS; Psychol. Asn. Learning and behavior theory; social influence, movements and power. Publ: Deprivation and reward magnitude effects on speed throughout the goal gradient & Response speed, amplitude and resistance to extinction as joint functions of work and length of behavior chain, J. Exp. Psychol; Argument strength, delay of argument and anxiety in the conditioning and selective learning of attitudes, J. Abnorm. & Soc. Psychol. Address: Dept. of Psychology, University of Oklahoma, Norman, Okla. 73069.

WEISS, DR. ROBERT J(EROME), Psychiat, see 11th ed, Phys. & Biol. Vols.

WEISS, PROF. ROBERT S(TUART), b. New York, N.Y., Oct. 8, 25. SOCIAL PSYCHOLOGY. B.A., Buffalo, 49; M.A., Michigan, 52, Ph.D.(sociol), 54. Asst. sociol, Michigan, 50-51, asst. study dir, surv. res. center, 51-54, study dir, 54-57, asst. prof., Chicago, 57-59; Brandeis, 59-63, assoc. prof., 63-68; LECTR. SOCIOL. DEPT. PSYCHIAT, HARVARD MED. SCH, 65-; vis. lectr., 60. Sociol. Asn. Research methods; social organization. Publ: Processes of organization, Surv. Res. Center, 56; Statistics in social research, Wiley, 68; co-ed, In: Institutions and the person, Aldine, 68. Address: Harvard Medical School, 58 Fenwood Rd, Boston, Mass. 02115.

WEISS, DR. ROGER WILLIAM, b. Bronxville, N.Y., Jan. 10, 30. ECONOMICS. Northwestern, 46-48; M.A., Chicago, 51, Ph.D.(econ), 55; Cambridge, 51-52. Asst. prof. econ, Vanderbilt, 53-57; pres. N. Weiss & Co., 57-63; asst. prof. SOC. SCI, CHICAGO, 63-66, ASSOC. PROF., 66- Controller, Ill. Packing Co, 62-63. Consult, Isham Lincoln & Beale, 63-64. Dir, Park Nat. Bank Chicago, 63- American economic history; economic policy. Publ: The economic system, Random & Knopf, 69; Economic nationalism in Britain in the Nineteenth Century, In: Nationalism in old and new states, Univ. Chicago, 67. Address: Dept. of Economics, Gates-Blake 440, University of Chicago, Chicago, Ill. 60637.

WEISS, DR. ROSALEE (GREENFIELD), b. Cleveland, Ohio, May 19, 23; m. 43; c. 1. EDUCATIONAL PSYCHOLOGY. B.A., Western Reserve, 49; M.A., N.Y. Univ, 55, Ph.D.(res. & ed. psychol), 60. Asst. N.Y. Univ, 53-56, res. specialist, 57-60; dir. student personnel serv, Fairleigh Dickinson, 56-57; SR. CLIN. RES. PSYCHOLOGIST, N.J. STATE DIAG. CENTER, MENLO PARK, 60-; CLIN. RES. PSYCHOL. CONSULT, 63- Psychologist, Teaneck Bd. Ed, 63-67; Hackensack Bd. Ed, 67- Psychol. Asn. Crime and delinquency; psychodiagnostic procedures; psychotherapy. Publ: Fairleigh Dickinson advisor's manual; Validity of early entrance into kindergarten, J. Ed. Res; co-auth, Pedophilic offender, J. Diseases Nerv. Syst. Address: 1665 Hanover St, Teaneck, N.J. 07666.

WEISS, DR. SAMUEL A., b. New York, N.Y., May 13, 23; m. 58; c. 3. CLINICAL PSYCHOLOGY. B.A., Yeshiva, 44; Gottesman scholar, 40-46; M.A., N.Y. Univ, 48, Ph.D.(psychol), 57. Psychol. intern, Bellevue Psychiat. Hosp, N.Y., 55-56; assoc. res. scientist, N.Y. Univ, 56-60, RES. SCIENTIST, 60- COORDINATOR PSYCHO-SOC. GROUP RHEUMATIC DISEASES STUDY MED. CENTER, 67-, assoc. dir. amputee psychol. res, 60-67. Asst. prof, Stern Col, Yeshiva, 60-61, assoc. prof, 61- Consult, State Div. Voc. Rehab, N.Y., 58- Fel. AAAS; fel. Psychol. Asn; Asn. Appl. Psychoanal; Rehab. Asn. Personality theory; phantom limb phenomena; psychoanalysis and psychotherapy; rehabilitation. Publ: A psychological battery to predict prosthetic rehabilitation, N.Y. Univ, (in press); Extended and telescoped phantom limbs in unilateral amputees, J. Abnorm. & Soc. Psychol, 63; Therapeutic strategy to obviate suicide, In: Psychotherapy: theory, research and practice, 68. Address: 80-40 Lefferts Blvd, Kew Gardens, N.Y. 11415.

WEISS, DR. SHELDON W, Psychol, see 10th ed, Soc. & Behav. Vols.

WEISS, SHIRLEY F(RIEDLANDER), b. New York, N.Y., Feb. 26, 21; m. 42. ECONOMICS. A.B. Rutgers, 42; Hopkins, 48-50; M.R.P. North Carolina, 58. Economist & dir. res, State Planning Cmn, Md, 47-50, 52-56; planning economist, Harrison, Ballard & Allen, 50-52; ASSOC. RES. DIR, CENTER URBAN & REGIONAL STUDIES & RES. ASSOC, INST. RES. SOC. SCI, NORTH CAROLINA, 57-, LECTR., 58-, assoc. prof. city & regional planning, 62. Co-dir, Environ. Eng. Policies & Urban Develop. Proj, 62- Am. Inst. Planners; Am. Econ. Asn; Am. Statist. Asn; Regional Sci. Asn; Economet. Soc; Econ. Hist. Asn; Royal Econ. Soc. City and regional planning; land development determinants and urban growth processes; public policy theory and decision-making; central area functions; regional resources, spatial structure and environmental limits for development. Publ: Co-ed. & contrib, Urban growth dynamics; co-auth, A probabilistic model for residen-

tial growth, 64 & Residential developer decisions: a focused view of the urban growth process, 66, Inst. Res. Soc. Sci. Address: P.O. Box 1368, Chapel Hill, N.C. 27514.

WEISS, DR. STANLEY J., b. New York, N.Y., Nov. 2, 37; m. 62; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A., City Col. New York, 59; M.A., Ohio State, 61, U.S. Pub. Health Serv. fel, 62-63, Nat. Sci. Found. summer fel, 62, Ph.D. (psychol), 63. Res. asst. to Dr. Robert McClure & Dr. Reed Lawson, Ohio State, 59-61, teaching asst, 61-62, ASST. PROF. PSYCHOL, 63-64; STATE UNIV. N.Y. STONY BROOK, 64- Nat. Inst. Ment. Health res. grants, 64 & 67-70; State Univ. N.Y. Res. Found. summer faculty res. fel, 65. Psychol. Asn. Free operant conditioning analysis of stimulus compounding, secondary reinforcement and avoidance conditioning. Publ: Co-auth, Secondary reinforcement as a suppressor of rate of responding in the free operant situation, J. Comp. Physiol. Psychol, 55: 1016-1019; auth, The summation of response strengths instrumentally conditioned to stimuli in different sensory modalities, J. Exp. Psychol, 68: 151-155; Free operant compounding of variable interval and low rate stimuli, J. Exp. Anal. Behav, 10: 535-540. Address: Dept. of Psychology, State University of New York, Stony Brook, N.Y. 11790.

WEISS, DR. STEPHEN MARSHALL, b. Newark, N.J., June 17, 37; m; c. 2. PSYCHOLOGY. B.A., Maryland, 59; A.M., Temple, 61; fel, Oregon, 62-63; Ph.D.(psychol), Arizona, 65. Lectr. continuing ed, Arizona, 61, 64-65, asst. prof. psychol, 65-67; psychol. intern. med. sch, Oregon, 62-63; INSTR. MED. PSYCHOL. SCH. MED, HOPKINS & PSYCHOLOGIST, HOPKINS HOSP, 67- Consult. to field assessment officer & div. training, Peace Corps, Univ. Arizona, 64 & 66-67; clin. psychologist, South. Ariz. Ment. Health Center, 64-67. Psychol. Asn. Psychological aspects of selected medical-surgical problems. Publ: Psychological adjustment following open heart surgery, J. Nerv. & Ment. Diseases, 66. Address: School of Medicine, Johns Hopkins University, Baltimore, Md. 21205.

WEISS, DR. THOMAS J., b. Poughkeepsie, N.Y., July 21, 42; m. 66; c. 1. ECONOMIC. B.S., Col. Holy Cross, 64; Ph.D.(econ), North Carolina, Chapel Hill, 67. ASST. PROF. ECON, KANSAS, 67- Mem. Nat. Bur. Econ. Res. Econ. Hist. Asn; Econ. Asn. Growth of the service industries in the United States from 1840 to 1900; development of manufacturing in southern United States from 1840 to 1880. Publ: Co-auth, The service industries in nineteenth century U.S., Nat. Bur. Econ. Res. Studies Income & Wealth, (in press); auth, The service industries in the U.S., 1839-1899, J. Econ. Hist, 12/67. Address: Dept. of Economics, University of Kansas, Lawrence, Kans. 66044.

WEISS, DEAN THOMAS MICHAEL, b. Georgetown, Colo., Apr. 8, 16. PSYCHOLOGY, CULTURAL LINGUISTICS. B.A., Mich. State, 49, M.A., 51, Ph.D. (counseling psychol), 54. Head counseling, Central Michigan, 54-55; sr. psychologist, Gen. Motors Inst, 55-56; psychol. training specialist, Rand Corp, Calif, 56-57; asst. prof. found, Arizona State, 57-59, assoc. prof, 59-61, prof. & chmn. dept, 61-68, dir. teacher ed, 64-68; DEAN SCH. ED, CALIF. STATE COL. LONG BEACH, 68- Psychol. consult, Desert Center Unified Sch. Dist, 66-67. Mem. adv. bd, Gen. Semantics Found, 66- U.S.N., 41-42. Psychol. Asn; Nat. Asn. Res. Sci. Teaching; Ed. Res. Asn; Soc. Clin. Hypnosis; Int. Soc. Gen. Semantics. Hypnosis in overcoming stage fright, thumb sucking and fobias; measurement of adjustment and maladjustment using Korzybskian techniques; development and validation of test to measure social adjustment. Publ: Co-auth, Scientific foundations of education, 60 & rev. ed, 64, 'IS' of identity test, 62 & Psychological foundations of education, 63, W.C. Brown. Address: 3281 Oak Knoll Dr, Los Alamitos, Calif. 90720.

WEISS, PROF. W(ALTER), b. Brooklyn, N.Y., July 14, 25; m. 49; c. 2. EXPERIMENTAL & SOCIAL PSYCHOLOGY. B.A., Brooklyn Col, 48; M.A., Rochester, 49; Ph.D.(psychol), Yale, 52. Res. asst. PSYCHOL, Yale, 49-52; asst. prof., Boston, 52-57, assoc. prof, 57-63; PROF, HUNTER COL, 63-, CHMN. DEPT, 68- AAAS; Psychol. Asn. Opinion and attitude change; principles of judgement. Publ: Opinion change as a function of some intrapersonal attributes of the communicatees; Effect of induced aggression on opinion change; Effects of mass media, In: Handbook of social psychology, 68. Address: Dept. of Psychology, Hunter College, 695 Park Ave, New York, N.Y. 10021.

WEISSBERG, DR. GUENTER, b. Kassel, Germany, May 14, 29; U.S. citizen. POLITICAL SCIENCE, LAW. A.B., N.Y. Univ, 51; LL.B., Columbia, 54, Ph.D. (polit. sci), 59; cert, Hague Acad. Int. Law, Netherlands, 54. Lectr. int. law, Columbia, 59-61; sch. law, Rutgers, 64; ASSOC. PROF. POLIT. SCI, COLBY COL, 65- Vis. asst. prof., Cornell, 60-61; vis. assoc. prof, George Washington, 64. Consult, Am. Law Inst, 56-58; int. legal consult. & attorney, 55- Cmnr. senatorial apportionment cmm, State of Maine, 66-67. Polit. Sci. Asn; Int. Law Asn; Soc. Int. Law. International organization, especially the United Nations; international law, particularly the law of the sea, especially fisheries, the continental shelf and the use of ocean space and deep ocean resources. Publ: The international status of the UN, Oceana, N.Y. & Stevens & Sons, London, 61; Recent developments in the law of the sea and the Japanese-Korean fishery dispute, M.Nijhoff's N.V., Netherlands, 66; Maps as evidence in international boundary disputes: a reappraisal, Am. J. Int. Law, 63. Address: Dept. of History & Government, Colby College, Waterville, Maine 04901.

WEISSKOPF, PROF. WALTER A(LBERT), b. Vienna, Austria, Nov. 14, 04. ECONOMICS. Geneva, 23; Cambridge, 25; D.J. Vienna, 27; American Univ, 38; Chicago, 39; Wisconsin, 40. Attorney at law, Austria, 27-38; lawyer & labor rels. adv, 27-38; asst. prof. ECON, Munic. Univ. Omaha, 39-43; assoc. prof, Cent. Y.M.C.A. Col, 43-45; PROF. & CHMN. DEPT, ROOSEVELT, 45- Consult. economist & indust. rels. adv, 43-46. Econ. Asn; Asn. Evolutionary Econ. Publ: Psychology of economics, Univ. Chicago, 55; Existence and values, In: New knowledge in human values, Harper, 58; Economic growth and human well-being, Quart. J. Econ. & Bus, summer 64. Address: Dept. of Economics, Roosevelt University, 430 S. Michigan Ave, Chicago, Ill. 60605.

WEISSKOPF-JOELSON, PROF. EDITH A(DELE), b. Vienna, Austria, Nov. 29, 10; nat; m. 51. PSYCHOLOGY. Ph.D.(psychol), Vienna, 37. From instr. to asst. prof. PSYCHOL, Indiana, 42-49; assoc. prof, Purdue, 49-58, prof, 58-

- 66; vis. prof, Duke, 66-67; PROF, GEORGIA, 67- Psychologist, State Dept. Pub. Welfare, Ind, 44-48. Dipl. Am. Bd. Exam. Prfnl. Psychol, 50. Psychol. Asn; fel. Soc. Proj. Tech. Projective techniques, especially on the stimulus variable; effect of personality variables on intellectual functioning; values and psychotherapy. Publ: Wunsch und Pflicht; Intellectual malfunctioning and personality, J. Abnorm. & Soc. Psychol; A transcendence index as a proposed measure in the TAT, J. Psychol. Address: Dept. of Psychology, University of Georgia, Athens, Ga. 30601.
- WEISSLEDER, DR. WOLFGANG, b. Germany, Nov. 30, 20; U.S. citizen; m. 49. SOCIAL ANTHROPOLOGY. B.Sc. Columbia, 60; M.A. Chicago, 62, For. Area Training fel, 62-64, Ph.D.(anthrop), 65. ASST. PROF. ANTHROP, McMaster, 65-67; TORONTO, 67- AAAS; fel. Anthropol. Asn; fel. African Studies Asn; fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Social anthropology of Africa; Ethiopia; anthropological aspects of feudalism. Address: Dept. of Anthropology, University of Toronto, Toronto 5, Ont, Can.
- WEISSMAN, DR. ALBERT, Exp. Psychol, see 11th ed, Phys. & Biol. Vols.
- WEISSMAN, PROF. JACOB IRA, b. Detroit, Mich, Dec. 14, 13; m. 38; c. 1. ECONOMICS, LAW. A.B. Michigan, 35, J.D. 36; Ph.D.(econ), California, 56. Gen. mgr. N.Y. Bed. Spring Co, Mich, 37-47; instr. econ, Columbia, 51-56; res. assoc. law & econ, law sch, Chicago, 56-58, assoc. prof. law, grad. sch. bus, 58-63; PROF. ECON. & CHMN. DEPT, HOFSTRA, 63- Econ. Asn; Arbit. Asn. Government and business; role of law in nonlegal education. Publ: Law in a business society, Prentice-Hall, 64; Role of law in education for business, J. Bus; Manichaean heresy: a note for economists, J. Polit. Econ. Address: Dept. of Economics, Hofstra University, Hempstead, N.Y. 11550.
- WEISSMAN, DR. NORMAN WILLIAM, b. Jersey City, N.J., May 14, 37; m. 62; c. 2. PSYCHOLOGY, ZOOLOGY. A.B. Pennsylvania, 58; M.S. Yeshiva, 59; Ph.D.(psychol), Maryland, 62. Res. scientist, Human Sci. Res. Inc, Va, 61-62; Ames Res. Center, NASA, 62-67, staff scientist, HQ, 67-68, ACTING CHIEF BEHAV. BIOL, 68- Assoc. prof, San Jose State Col, 66-67. AAAS; Psychol. Asn; Am. Inst. Biol. Sci. Effects of rotation, acceleration and confinement on behavior; operant and respondent conditioning; biomedical computer applications; ethology. Publ: Co-auth, Stimulus generalization to speed of rotation (abstract), Am. Psychol, 65 & A comparison of two types of extinction following FR training, J. Exp. Anal. Behav, 66. Address: Bioscience Programs, NASA Headquarters, Code SB, Washington, D.C. 20546.
- WEISZ, DR. ALEXANDER Z(EBULON), Psychol, see 10th ed, Soc. & Behav. Vols.
- WEISZ, DR. JOHN D(ANIEL), b. Dallas, S.Dak, July 17; 25; m. 47; c. 1. PHYSIOLOGICAL PSYCHOLOGY. Ph.D.(psychol), Nebraska, 53. Res. psychologist, human eng. lab, ABERDEEN PROVING GROUND, 53-54, chief exp. psychol. br, 54-55, psychol. div, 55-57, DIR, HUMAN ENG. LABS, 57- U.S.A., 43-46. Psychol. Asn. Experimental psychology; learning; motivational behavior. Publ: Human factors engineering; Gastric ulcer etiology; The etiology of experimental gastric ulceration. Address: 18 Forest Dr, Bel Air, Md. 21014.
- WEISZ, MORRIS, b. New York, N.Y., Jan. 22, 14; m. 35; c. 3. ECONOMICS. B.S. City Col. New York, 34. Clerk, U.S. Bur. Census, 35-37; economist, Nat. Labor Rels. Bd, 37-42, chief indust. anal, 46-48; economist, War Prod. Bd, 42-46; spec. asst. to cmnr, bur. labor statist, U.S. Dept. Labor, 48-52; labor div, U.S. Mission, NATO, France, 52-57; chief div. for. labor conditions, bur. labor statist, U.S. Dept. Labor, 57-59, asst. cmnr, bur. labor-mgt. reports, 59-61; vis. prof. int. labor, sch. int. serv, American Univ, 61-62, adj. prof, 62-65; dep. asst. U.S. Secy. Labor, 62-65; COUNSELOR FOR LABOR AFFAIRS, U.S. EMBASSY, NEW DELHI, INDIA, 65- Lectr, American Univ, 48-52; Hopkins, 51-52. Econ. Asn; Indust. Rels. Res. Asn. International labor problems; history of the American labor movement; United States industrial relations. Publ: Compulsory arbitration in Australia and New Zealand, Cornell Indust. Rels. Rev; Scientific manpower program of OEEC; Labor management reporting and Disclosure Act of 1959; its early administration, Int. Labor. Rev. Address: American Embassy, APO New York, 09675.
- WEITMAN, PROF. MORRIS, b. New York, N.Y., Aug. 18, 24; m. 53; c. 2. PSYCHOLOGY. B.S. City Col. New York, 48; M.A. New Sch. Soc. Res, 53, Ph.D.(psychol), 60. Res. assoc. ed. psychol, Illinois, 56-57; instr. PSYCHOL, Colorado, 57-58, acting asst. prof, 58-60; instr. med. sch, Oregon, 60-62, asst. prof, 62-63; assoc. prof, PORTLAND STATE COL, 63-67, PROF, 67- AAAS; Psychol. Asn. Cognitive processes; attitudes; psychological measurement; medical education; higher education. Address: Dept. of Psychology, Portland State College, Portland, Ore. 97201.
- WEITZ, PROF. HENRY, b. New York, N.Y., Nov. 12, 11; m. 37. PSYCHOLOGY. A.B. Dartmouth Col, 33; Ed.M. Rutgers, 36, Ed.D. 42. Assoc. prof. & dir. psychol. servs. center, Delaware, 46-50; ASSOC. PROF. ED. & DIR. COUNSELING CENTER, DUKE, 50- Fulbright prof, Ceylon, 63-64. Dipl. Am. Bd. Exam. Prfnl. Psychol, 49. U.S.A., 42-46, Maj. AAAS; fel. Psychol. Asn; Personnel & Guid. Asn; (Nat. Res. Award, 61); Ed. Res. Asn. Counseling theory; measurement and evaluation; personality structure. Publ: Behavior change through guidance, Wiley, 64; Relationship between choice of a major field of study and academic preparation and performance, Ed. & Psychol. Measurement; Guidance as behavior change, Personnel & Guid. J. Address: 2716 Circle Dr, Durham, N.C. 27705.
- WEITZ, PROF. JOSEPH, b. New York, N.Y., Feb. 25, 16; m. 41. PSYCHOLOGY. B.S. Carnegie Inst. Tech, 37; M.A. Virginia, 38, Ph.D.(psychol), 40. Instr. psychol, Newcomb Col, Tulane, 40-42, assoc. prof, 46-48; Carnegie Inst. Tech, 48-51; assoc. dir. res. Life Ins. Agency Mgt. Asn, 51-59; dir. res. Richardson, Bellows, Henry, Inc, 59-60; PROF. PSYCHOL, N.Y. UNIV, 60- Consult, Inst. Defense Anal, 66-67; Xerox Corp, 66- U.S.A.A.F. 42-46. Fel. Psychol. Asn. Selection; learning; human relations. Publ: Co-auth, An introduction to psychology. Address: 7 Washington Mews, New York, N.Y. 10003.
- WEITZ, DR. ROBERT DANIEL, Psychol, see 10th ed, Soc. & Behav. Vols.
- WEITZENHOFER, DR. ANDRÉ M(ULLER), b. Paris, France, Jan. 16, 21; U.S. citizen; wid; c. 2. PSYCHOLOGY. Sc.B. Mass. Inst. Tech, 43; summer, scholar, Brown, 43, fel, 43-44, Sc.M. 44 & 49, fel, 45-46; Nat. Sci. Found. fel, Michigan, 54-55, Nat. Insts. Health fel, 55-56, A.M. & Ph.D.(psychol), 56. Res. assoc. physiol. col. med, Wayne State, 49-50; instr. & res. assoc. pharmacol. & physiol. sch. dent, Detroit, 50-53; asst. prof. psychol, Stanford, 57-62; ASSOC. PROF. MED. PSYCHOL, SCH. MED, OKLAHOMA, 62-; CHIEF RES. PSYCHOLOGIST, VET. ADMIN. HOSP, OKLAHOMA CITY, 62- Fel. Center Adv. Study Behav. Sci, 56-57. Consult, Off. Naval Res, 59-61. Abstr. ed, Am. J. Clin. Hypnosis, 58- Psychol. Asn; fel. Soc. Clin. & Exp. Hypnosis; Phys. Soc; Math. Asn. Nuclear physics; field and quantum theory; electronics; immunology; neurophysiology; protein chemistry; mathematical models for behavior; scientific methodology; logic and semantics; psychotherapy; cognition and perception; psychology of art; psychodynamics; hypnotic and suggestion phenomena. Publ: Hypnotism: an objective study in suggestibility; General techniques of hypnotism; co-auth, Stanford hypnotic susceptibility scales. Address: 625 N.E. 16th St, Oklahoma City, Okla. 73104.
- WEITZMAN, PROF. ELLS, Psychol, see 10th ed, Soc. & Behav. Vols.
- WEITZMANN, PROF. ALBERT M(ICHAE), b. Niagara Falls, N.Y., Dec. 28, 12; m. 44; c. 2. TRANSPORTATION ECONOMICS, LAW. B.B.A. Niagara, 36; M.B.A. Pennsylvania, 41; LL.B. Temple, 49. Acct-analyst, Phila. Elec. Co, Pa, 41-49; assoc. Shertz, Barnes & Shertz, 49-54; asst. prof. econ, VILLANOVA, 54-55; ECON, 55-57, ASSOC. PROF, 57-, CONSULT, COMMERCE & FINANCE RES. INST, 68- Mem. sub-cmt. on Interstate Commerce Cmn, Cmt. Admin. Law of Am. Bar Asn. Mem. Nat. Panel Arbitrators, Am. Arbit. Asn; U.S. Fed. Bar, 50; Tax Court, 52- U.S.A., 42-45, Capt. Econ. Asn; Soc. Traffic & Transportation; Transportation Res. Forum; Nat. Ed. Asn. Economic theory; economic regulation of carriers; practice and procedure before administrative agencies; forensic medicine. Address: Dept. of Economics, Villanova University, Villanova, Pa. 19085.
- WELBORN, DR. DAVID, b. Kingsville, Tex, Sept. 18, 34; m. 59; c. 1. POLITICAL SCIENCE. B.A. Texas, 56, Am. Polit. Sci. Asn. fel, 61-62, Ph.D. (govt), 62. Lectr. govt, Indiana, 59-61; asst. prof, Tex. Tech. Col, 62-64; POLIT. SCI, Northern Illinois, 64-66, ASSOC. PROF, 66-68; KANSAS, 68- Am. Soc. Pub. Admin. pub. policy fel, 67-68. Mem. Midwest Conf. Polit. Scientists. Polit. Sci. Asn; Soc. Pub. Admin. Political science and public administration; public economic and natural resources policy. Publ: National-state cooperation in regulatory administration, State Govt, 60; Pres-identers, regulatory commissioners and regulatory policy, J. Pub. Law, 66; Assigning responsibility for regulatory decisions to individual commissioners, Admin. Law Rev, 66. Address: Dept. of Political Science, University of Kansas, Lawrence, Kans. 66044.
- WELCH, DEAN CLAUDE EMERSON, JR, b. Boston, Mass, June 12, 39; m. 61; c. 3. POLITICAL SCIENCE. B.A. Harvard, 61; D.Phil.(polit), Oxford, 64. Asst. prof. POLIT. SCI, STATE UNIV. N.Y. BUFFALO, 64-68, ASSOC. PROF, 68-, DEAN, 67- State Univ. N.Y. Buffalo, instrl. res. grant, 65-66; Hoover Inst. res. grant, 66-; State Univ. N.Y. Res. Found. summer res. grants, 66-67. Polit. Sci. Asn; African Studies. Asn. African military; patterns of political change and modernization; problems of political unification. Publ: Dream of unity: Pan-Africanism and political unification in West Africa, Cornell, 66; co-auth, Patterns of African Development, Prentice-Hall, 67; auth, Soldier and state in Africa, J. Mod. African Studies, 68. Address: Dept. of Political Science, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- WELCH, SISTER EILEEN JOSEPH, C.S.J., Mod. European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WELCH, EMMETT H, b. Nebr, Dec. 13, 05; m. 30; c. 1. ECONOMICS, STATISTICS. B.S. Denver, 28; M.A. Pittsburgh, 30. Res. assoc, Pennsylvania, 30-33; dir. bur. res. & statist, State Dept. Pub. Assistance, Pa, 33-40; occup. outlook div, bur. labor statist, U.S. Dept. Labor, 40-42; statist. div, War Manpower Cmn, 42-44; economist & statistician, U.S. Bur. Census, 44-48; manpower specialist, Nat. Security Resources Bd, 48-51; economist, Defense Prod. Admin, 51-53; indust. specialist, Off. Defense Mobilization, 53-56; economist, Exec. Off. President, 56-61; dir. bur. statist, State Dept. Internal Affairs, Pa, 61-67; RETIRED. Statist. Asn; Econ. Asn. Labor markets; public works; welfare and relief. Address: 3703 34th St. N.W., Washington, D.C. 20008.
- WELCH, DR. FINIS, b. Olney, Tex, July 11, 38; m. 61; c. 1. ECONOMICS. B.S. Houston, 61; Ph.D.(econ), Chicago, 66. ASST. PROF. ECON, Chicago, 64-66; SOUTHERN METHODIST, 66- Consult, U.S. Dept. Agr, 66-; Presidential Adv. Cmn. Rural Poverty, 67. Econ. Asn; Agr. Econ. Asn; Economet. Soc. Human resources; agricultural economics; micro theory. Publ: Measurement of the quality of schooling, Am. Econ. Rev, 5/66; Labor market discrimination, J. Polit. Econ, 6/67; Supply control with marketable quotas: the cost of uncertainty, J. Farm Econ, 8/67. Address: Dept. of Economics, Southern Methodist University, Dallas, Tex. 75222.
- WELCH, DR. FRANK J(AMES), b. Winfield, Tex, Aug. 2, 02. ECONOMICS. A.B. Mississippi, 28; A.M. Colorado, 32; Ph.D. Wisconsin, 43. Assoc. econ, Miss. State Col, 36-40, head dept. econ. & social. & head dept. agr. econ, exp. sta, 40-41, head dept. agr. econ. & coordinator econ. prog, 41-46, dean sch. agr, 46-51, assoc. dir, agr. exp. sta, 47-48, dir, 48-51; dean & dir. sch. agr, exp. sta. & exten. div, Kentucky, 51-61; asst. secy. agr. for fed-state rels, U.S. Dept. Agr, 61-68; EXEC. V-PRES, TOBACCO INST, INC, 68- Dir, Tenn. Valley Authority, Knoxville, 57-59. Agr. Econ. Asn; Planning Asn. Address: Tobacco Institute, Inc, 1735 K St. N.W., Washington, D.C. 20006.
- WELCH, DR. FRANKLIN WELDON, b. Decatur Co, Tenn, July 17, 39; m. 59; c. 3. SOCIOLOGY, FAMILY RELATIONS. B.A. Lambuth Col, 61; B.D. Emory, 64; M.S. Fla. State, 65, Ph.D.(higher ed), 67. ASST. PROF. SOCIOL. & DIR. SOCIOL. SERV, LAMBUTH COL, 66- Consult, Tenn. Dept. Ed, 68-

Child Study Assn. Am; Nat. Coun. Family Rels. Father-child relationship; adult programs in family life. Publ: Implementation of Title I of the Higher Education Act of 1965 in Tennessee, Dissertation Abstracts, 68. Address: Dept. of Sociology, Lambuth College, Jackson, Tenn. 38301.

WELCH, PROF. LIVINGSTON, b. New Rochelle, N.Y., Aug. 8, 01; m. 36; c. 3. PSYCHOLOGY. B.A. Columbia, 31, M.A., 32, Ph.D., 35; Cambridge, 33-35. Instr. HUNTER COL, 36-42, asst. prof. 42-47, assoc. prof. 47-52, PROF. PSYCHOL. & PHILOS., 52-, CHMN. DEPT., 56-; ASSOC. PROF. PSYCHOL. MED. COL., CORNELL, 52-, CHMN. DEPT., 56-, DIR. INST. RES. CLIN. & CHILD PSYCHOL., 42-, asst. prof. 47-52. AAAS; fel. Psychol. Assn; Group Psychother. Assn; Philos. Soc; Psychopath. Assn. Child psychology; abnormal anxiety. Address: Dept. of Psychology, Hunter College, New York, N.Y. 10021.

WELCH, DR. LOUISE MARJORIE, b. St. John, N.B., Feb. 14, 16; m. 51; c. 2. PSYCHOLOGY. B.A. New Brunswick, 37; M.Ed. Edinburgh, 39; Ph.D. (psychol.), Yale, 44. Lectr. psychol. New Brunswick, 39-42, prof. & chmn. dept. 44-50; prof. faculty grad. studies, Dalhousie, 50-57; consult. psychologist, Children's Hosp., Halifax, N.S., 57-62; counsr. dept. psychol. serv., York (Ont), 62-64; res. psychologist, Children's Mem. Hosp., Omaha, Nebr., 65-66; consult. psychologist, 66-67; CHIEF PSYCHOLOGIST, OMAHA DOUGLAS COUNTY HEALTH DEPT., 67- Mem. assoc. cmt. appl. psychol. Nat. Res. Coun. Can., 50-51. Can. Psychol. Assn. Psychology of learning; clinical psychology. Address: 88 Orange St., St. John, N.B., Can.

WELCH, DR. RONALD B(URTON), b. Stanton, Nebr., Jan. 16, 08; m. 39; c. 3. ECONOMICS. A.B. Doane Col, 28; Ph.D. Yale, 32. Instr. Yale, 31-32; New Hampshire, 32-33; res. asst. State Tax Cmn, Conn, 33-35; dir. res. Conn. Welfare Dept., 35-36; Nat. Assn. Assessing Officers, 36-41; taxation res. U.S. Bd. Invest. & Res., 41-44; Bur. Internal Revenue, 44-46; MEM. STAFF, STATE BD. EQUALIZATION, CALIF., 46- Consult. Am. Mission Aid to Greece, 48; Econ. Coop. Admin. Mission, W.Germany, 41; tax consult. Agency Int. Develop. Mission, Peru, summer 63; consult. Adv. Cmn. Inter-Govt. Rels., 63-; Bur. Census, 65-; Nat. Cmn. Urban Probs., 67- Soc. Pub. Admin; Tax Inst; Nat. Tax Assn. (secy, 46-57). Taxation of banks in the United States; urban land appraisal; carrier taxation. Address: 3420 Potter Lane, Sacramento, Calif. 95821.

WELCH, SARAH F(RANCES), b. Buena Vista, Ga., Dec. 26, 08. PUBLIC HEALTH STATISTICS. Walsh Sch. Bus. Sci., Fla., 35-36; U.S. Dept. Agr. Grad. Sch., 43-44, 46; cert. Am. Asn. Med. Record Librarians, 46. Asst. clerk, agr. mkt. serv., U.S. Dept. Agr., Tex., 41-42, aide, agr. eng. plant indust. & soils, Miss., 42-45; statist. clerk, div. pub. health methods, Pub. Health Serv., Md., 45-46, biostatistician, 46-47; statistician, COMMUN. DISEASE CENTER, PUB. HEALTH SERV., 47-49, ANAL. STATISTICIAN, 49- Biomet. Soc; Sci. Res. Soc; Soc. Trop. Med. & Hyg. Communicable diseases; procedures for control; methods of appraising communicable disease problems. Publ: Comparison of gravimetric and volumetric pollen samplers; Reliability of visual surveys in evaluating fly densities for community control programs; Relationship of environmental factors to enteric disease. Address: Communicable Disease Center, Public Health Service, Atlanta, Ga. 30333.

WELCH, PROF. WILLIAM, b. New Haven, Conn., Sept. 11, 17; m. 46; c. 3. POLITICAL SCIENCE. B.A. Harvard, 38; M.A. Yale, 47; Ph.D. (pub. law, govt), Columbia, 51. From instr. to asst. prof. polit. sci., Hamilton Col, 48-52; res. analyst, U.S. Govt., 52-60; vis. lectr., California, 60-61; assoc. prof. POLIT. SCI., COLORADO, 61-68, PROF., 68-, asst. dir. honors prog., 62-67, faculty fel., 67-68. Res. assoc., Wash. Center For. Policy, 57-58. U.S.A., 42-45, 2nd Lt. Polit. Sci. Assn; Asn. Adv. Slavic Studies; Int. Studies Assn. Political theory; Soviet Bloc; East European politics. Publ: Soviet commitments to collective action. In: Alliance policy and the cold war; Neglected aspects of the Soviet position. In: East-West negotiations; The nature of Khrushchevian threats against the West. Univ. Colorado Studies Series Polit. Sci., 8/65. Address: Dept. of Political Science, University of Colorado, Boulder, Colo. 80302.

WELCHER, DR. DORIS WASHINGTON, b. Washington, D.C., July 1, 34; m. 65. PSYCHOLOGY. B.S. Howard, 53, M.S., 55; Ph.D. (psychol.), Northwestern, 63. Res. psychologist, Vet. Admin. Hosp., Wash., D.C., 60, psychologist, Downey, Ill., 61-62; CHIEF PSYCHOLOGIST, CHILD GROWTH CLIN., HOPKINS, 63- Lectr., Northwestern, Chicago Campus, 62-63; summer lectr., Goucher Col, 64. Consult. Knox Community Center, Baltimore, Md. & Johns Hopkins Hosp., 67- Psychol. Assn. Pediatric psychology; early child growth and development. Address: 4505 Wentworth Rd., Baltimore, Md. 21207.

WELDEN, DR. WILLIAM C(LAYTON), b. Deatsville, Ala., May 16, 10; m. 34; c. 1. ECONOMICS. B.S. Auburn, 30; Am. Bankers Assn. scholar, North Carolina, 32, M.S., 34; Littauer fel., Harvard, 38-40, Ph.D. (econ), 52. Jr. economist, Metrop. Life Ins. Co., 30-31; asst. farm mgt., N.C. State Col, 31-33; economist, Nat. Producers Fedn, 33-35; sr. economist, coop. div., Farm Credit Admin., 35-42; assoc. dir. dairy & poultry, War Food Admin., 42-45; EXEC. ECONOMIST, DAIRY MKT., H.P. HOOD & SONS, INC., 45- Mem. nat. milk adv. cmt., Off. Price Stabilization, 52; nat. cmt. fed. milk orders, U.S. Dept. Agr., 53, Nat. Res. Adv. Cmt., 60. U.S.A., 31-41, 2nd Lt. AAAS; Agr. Econ. Assn; Econ. Assn; Statist. Assn; Acad. Polit. Sci. Proper role of state and federal government in the regulation of private industry, especially food processing and distribution. Publ: Fluid milk cooperatives in Ohio & Bargaining problems of milk cooperatives, Farm Credit Bull. Address: H.P. Hood & Sons, 500 Rutherford Ave., Boston, Mass. 02129.

WELDON, PROF. ROGER J(ONATHAN), b. Santa Barbara, Calif., Nov. 26, 05; m. 50. PSYCHOLOGY. A.B. Pomona Col, 27; M.B.A. Stanford, 34; Ph.D., California, Los Angeles, 52. Asst. prof. psychol., New Mexico, 52-58; res. psychologist, ARIZONA, 58-60, assoc. prof. SYSTS. ENG., 61-64, PROF., 64- AAAS; Psychol. Assn; Human Factors Soc. Engineering psychology; central processes. Publ: Expectancy theory of social interaction; Error reduction in computations; A general purpose program for the analysis of variance, Behav. Sci., 10/65. Address: Dept. of Systems Engineering, University of Arizona, Tucson, Ariz. 85721.

WELFLING, PROF. WELDON, b. Coudersport, Pa., June 18, 12; m. 36; c. 2. ECONOMICS. A.B. Swarthmore Col, 33; A.M. Princeton, 35, Ph.D., 38. From instr. to assoc. prof., Duke, 36-47; prof. econ. & chmn. dept., Simmons Col, 47-60, div. soc. studies, 50-60, dir. sch. soc. sci., 53-60; PROF. BANKING, FINANCE & ECON. & CHMN. DEPT., CASE WESTERN RESERVE, 60- Vis. prof., Tufts, 48; Duke, 50; Boston, 55; Michigan, 58. Am. Philos. Soc. fel., 65-66. Consult. Am. Inst. Banking. Chief castings sect., Off. Price Admin., 41-45. Econ. Assn; Finance Assn. Business and government finance; financial institutions. Publ: Financing business enterprise; Commercial bank investments; Mutual savings banking, Case Western Reserve, 68. Address: 3701 Sutherland Rd., Shaker Heights, Ohio 44122.

WELFORD, DR. NORMAN T(RAIVISS), Biomed. Eng., see 11th ed, Phys. & Biol. Vols.

WELK, DR. WILLIAM G(EORGE), b. Trieste, Italy, Jan. 5, 07; nat. ECONOMICS. Dr. (econ. & commercial sci.), Royal Univ. Trieste, 28; M.A. Harvard, 32, Ph.D. (econ), 33. Prof. econ. & bus. admin. Col. St. Thomas, 33-39; sr. & prin. commercial policy analyst, U.S. Tariff Cmn, 39-43; br. & div. chief, UN Relief & Rehab. Admin., 44-46; sect. chief & economist, Int. Bank Reconstruct. & Develop., 47-51; br. chief & econ. adv., Econ. Coop. Admin. & Mutual Security Admin., 51-53; ECONOMIST & CHIEF, NEAR EAST S.A.SIA DIV., EXPORT-IMPORT BANK, 53- Soc. Sci. Res. Coun. grant, Italy, 36. Econ. Assn. International economics and finance; economic development problems in Europe, Middle East and Africa. Publ: Italian commercial policy and foreign trade, 1922-1940; Fascist economic policy; An analysis of Italy's economic experiment. Address: 1934 P St. N.W., Washington, D.C. 20036.

WELKER, DR. EVERETT L(INUS), Math. Statist., see Suppl. V to 11th ed, Phys. & Biol. Vols.

WELLS, DR. HARRY LAURENCE, b. Philadelphia, Pa., Aug. 10, 22; m. 42; c. 5. INDUSTRIAL PSYCHOLOGY. B.S. Northwestern, 48, M.A., 49, Ph.D. (ed), 51. Instr. ed, Loyola, 50-51; asst. prof., 51-53; training researcher, SEARS, ROEBUCK & CO., 53-56, NAT. TRAINING DIR., 56- Lectr., Northwestern, 50-51. Consult. Ill. Sec. Sch. Curriculum Prog., 50-51. Chmn. Ill. Curriculum Coun., 67- U.S.A., 43-46, Capt. Psychol. Assn. Problems in definition of objectives, in the learning situation and in evaluation of results in the industrial setting. Publ: The teacher and his problems, Ed. Admin. & Supv., 12/52; Problems of high school teachers, J. Teacher Ed., 9/53; Why teach?, J. Ed. Res., 5/55. Address: 1019 Granville Ave., Park Ridge, Ill. 60068.

WELMEYER, J(OHN) F(LETCHER), b. Oklahoma City, Okla., Sept. 19, 13; m. 40; c. 3. ECONOMICS. B.S. Kans. State Col, 34; Inst. Int. Studies, Switzerland, 35-36; M.A. Kansas, 37. Economist, dept. labor & soc. security bd., U.S. Employ. Serv., 37-42; chief area anal. sect., War Manpower Cmn, 42-43; anal. sect. res. & statist. div., bur. employ. security, Fed. Security Agency, 46-49; staff adv. personnel studies, Am. Coun. Learned Soc., 49-59; INDUST. CONSULT., 59- Consult. Nat. Security Resources Bd., 50-51, Am. Coun. Ed., 50-59; Defense Manpower Cmn, 51-52; U.S. Dept. Labor, 61-; Int. Labor Orgn., 61, dir. seminar voc. ed., Malaysia, 64; Ford Found. consult., East Caribbean, 66- U.S.N.R., 43-46, Lt.(jg). Highly trained personnel analysis; manpower analysis; public employment exchanges; higher education. Publ: Co-auth., Classifications for surveys of highly trained personnel; ed, Compensation on the campus; co-auth., Proceedings of seminars for foreign manpower officials, Dept. State, Agency Int. Develop., 62 & 63. Address: 2101 R St., N.W., Washington, D.C. 20008.

WELLER, PROF. KENNETH JAY, b. Holland, Mich., Nov. 22, 25; m. 50; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. A.B. Hope Col, 48; M.B.A. Michigan, 49, Ford Found. fel., 56-58, Ph.D. (econ, bus), 61. Asst. prof., Hope Col, 49-55; lectr. & res. assoc., Michigan, 56-57; PROF. ECON. & BUS., HOPE COL., 59-, asst. to pres., 59-63. Vis. prof., Inter-Am. Univ. P.R., summer 65. U.S.N., 44-46. Finance Assn; Econ. Assn. Business finance—equity capital, economic policy. Publ: Co-auth., Readings in economics of enterprise, Edwards Bros., 58; auth., Monograph on equity capital financing, Am. Inst. Investment Banking, 59. Address: Dept. of Economics & Business, Hope College, Holland, Mich. 49423.

WELLES, JOHN GALT, b. Orange, N.J., Aug. 24, 25; m. 51; c. 4. ECONOMICS. B.E. Yale, 46; M.B.A. Pennsylvania, 49. Test engr., Gen. Elec. Co., 47; instr. finance, Pennsylvania, 48-49; mem. labor rels. staff, new departure div., Gen. Motors Corp., 49-51; staff, Mountain State Employers Coun., Inc., 52-54; HEAD INDUST. ECON. DIV. RES. INST., UNIV. DENVER, 56- Mem. adv. cmt., Colo. Div. Commerce & Develop., 63-; adv. panels, select cmt. govt. res., U.S. House Rep., 64; sci. & tech. cmt., U.S. Chamber Commerce, 65-; venture capital panel, U.S. Dept. Commerce Tech. Adv. Bd., 68- U.S.M.C., 43-46, 51-52, 1st Lt. Econ. Assn; Mkt. Assn; Mgt. Assn; Regional Sci. Assn. Regional economics; economics of science and technology; industrial market research. Publ: Behind Colorado's growth, Colo. Quart., co-auth., Space technology: pay-off from spin-off, Harvard Bus. Rev., 7, 8/64; Regional economic impact of a United States oil shale industry, Denver Res. Inst., Univ. Denver, 7/66. Address: 3602 S. Gilpin St., Englewood, Colo. 80110.

WELLIN, PROF. EDWARD, b. Phoenix, N.Y., July 30, 17; m. 49; c. 3. SOCIAL ANTHROPOLOGY. A.B. Syracuse, 49; M.A. Harvard, 52, Ph.D. (soc. anthrop), 55, M.S., 56. Staff anthropologist, div. med. & pub. health, Rockefeller Found., Peru, 50-52; Pan Am. Sanit. Bur. & World Health Orgn., 52-54; asst. anthrop. dept. nutrit. sch. pub. health, Harvard, 54-55, res. assoc., dept. pub. health practice, 55-57; proj. dir., Am. Pub. Health Assn., 58-61; assoc. prof. sociol., Rutgers, 61-66; PROF. ANTHROP. WISCONSIN, MILWAUKEE, 66- Lectr., sch. pub. health & admin. med., Columbia, 58-61; sch. pub. health, Harvard, 58-66. Consult. Am. Pub. Health Assn., 61- Mem. cmt. res. nutrit. ed. food & nutrit. bd., Nat. Res. Coun., 60- U.S.A., 43-46, Sgt. Fel. Anthropol. Assn; Sociol. Assn. Latin American culture; sociology of health; cultural aspects of nutrition. Address: Dept. of Anthropology, University of Wisconsin, Milwaukee, Wis. 53211.

- WELLISZ, PROF. STANISLAW H(ENRYK), b. Warsaw, Poland, Mar. 28, 25; nat; m. 55. ECONOMICS. B.A. Harvard, 47, M.A. 50, Ph.D.(econ), 54; Fulbright fel, Cambridge. Res. assoc, Center Int. Studies, Mass. Inst. Tech, 54-55; instr. ECON, Williams Col, 55-57; asst. prof. grad. sch. bus, Chicago, 57-61, assoc. prof, 61-64, PROF, COLUMBIA, 64- Vis. prof, Warsaw, Poland, 60. Dir, Harlem Develop. Proj, 67-68. Mem, Ford Found. Consult. Team, Calcutta Metrop. Planning Orgn, 61-63; Harvard Develop. Adv. Serv, Pakistan, 64; Liberia, 65. Econ. Asn; Economet. Soc. Economic development and planning; urban economics, especially poverty areas in the United States. Publ: *Economics of the Soviet Bloc*, McGraw, 64; *Planning in France*, the Netherlands and Italy, J. Polit. Econ, 6/60; *Dual economies, disguised unemployment and the unlimited supply of labor*, *Economica*, 2/68. Address: Dept. of Economics, Columbia University, New York, N.Y. 10027.
- WELLMAN, DR. FRANK E(DWIN), b. LaMonte, Mo, July 28, 18; m. 38; c. 4. EDUCATIONAL PSYCHOLOGY. B.S. Cent. Mo. State Col, 39; A.M. Missouri, 41; Ph.D. Nebraska, 52. Employ. mgr, Johns-Manville Serv. Corp, 42-44; staff asst. to gen. mgr, Percy-Kent Bag Co, 46-48; instr. ed. psychol, Nebraska, 48-49; counsr. trainer, Iowa State Col, 49-56; specialist prof. orgn, U.S. OFF. ED, 56-65, DIR. NAT. STUDY GUID. & CONSULT, 66-; PROF. ED, MISSOURI, COLUMBIA, 66-; assoc. prof, 65-66. Vis. prof, Maryland, 56; Highlands, 58; Syracuse, 60; Missouri, 62 & summer, 65. U.S.N, 44-46, Lt.(jg). Psychol. Asn; Personnel & Guid. Asn. Psychological measurements of academic aptitudes; developmental processes in occupational choice. Address: Dept. of Education, 6 Hill Hall, University of Missouri, Columbia, Mo. 65201.
- WELLMAN, DR. HARRY RICHARD, b. Mountainview, Alta, Mar. 4, 99; nat; m. 22; c. 1. AGRICULTURAL ECONOMICS. B.S. Oregon State, 21, hon. LL.D., 60; M.S. California, 24, Ph.D. 26. Exten. specialist agr. econ, CALIFORNIA, BERKELEY, 25-34; chief gen. crop sect, agr. adjust, 34-35; assoc. agr. economist, 35-37; assoc. prof, 37-39; PROF, 39-; V-PRES, UNIV, 58-; dir. Giannini Found. 45-52; v-pres. agr. sci, 52-58. Agr. Econ. Asn. (pres, 52-53). Analysis of methods of marketing and prices of agricultural products. Address: 714 University Hall, University of California, Berkeley, Calif. 94720.
- WELLNER, DR. ALFRED M(ICHELE), b. Antwerp, Belgium, May 29, 32; U.S. citizen; m. 56; c. 2. CLINICAL PSYCHOLOGY. A.B. City Col. New York, 54; M.S. Wisconsin, 58, Ph.D. 60. Clin psychologist, Mendota State Hosp, Wis, 59-61; Wahiawa Ment. Health Clin, 61-62; chief psychologist, STATE DEPT. HEALTH, MD, 62-64, CHIEF PSYCHOL. PROGS, DEPT. MENT. HYG, 64- Instr. sch. med, Hopkins, 64- Chem.C. U.S.A., 54-56. Psychol. Asn. Mental health program evaluation; community mental health planning; manpower development; brain damage assessment. Publ: A new approach to group psychotherapy on an admission ward, Ment. Hosp.; Expectancy changes under three conditions of reinforcement for paranoid and depressed patients, J. Clin. Psychol; Survey of psychology services in state mental hospitals, Am. Psychologist, Address: Dept. of Mental Hygiene, 301 W. Preston St, Baltimore, Md. 21201.
- WELLS, PROF. CHESTER MILLINGTON, JR, b. Lawrence, Miss, Jan. 6, 20; m. 56; c. 1. AGRICULTURAL ECONOMICS. B.S. Miss. State, 48, M.S. 49; Ph.D. Illinois, 56. Instr. AGR. ECON, MISS. STATE, 49-50, asst. prof, 50-56, assoc. prof, 56-59, PROF, 59- U.S.A.A.F., 40-47, Lt. Col. Agr. Econ. Asn. Marketing of agricultural products, especially cotton. Publ: The expanding soybean meal market, III. Agr. Exp. Sta. Bull; Marketing Mississippi Delta cotton & Cotton marketing in the upland area of Mississippi, Miss. Agr. Exp. Sta. Bull. Address: Dept. of Agricultural Economics, Mississippi State University, State College, Miss. 39762.
- WELLS, DR. DONALD A, b. Chicago, Ill, Nov. 14, 30; m. 55; c. 2. ECONOMICS. B.A. DePauw, 53; cert. Geneva, 57; M.A. Virginia, 58; Woodrow Wilson fel, Oregon, 59-60, Ph.D.(econ), 61. Asst. prof. ECON, SOUTHERN ILLINOIS, 60-64, ASSOC. PROF, 64- Econ. adv, Ford Found, Saudi Arabia, 66-67. U.S.A., 53-55. Econ. Asn. International trade and investment; comparative systems. Publ: Economic analysis of attitudes of host countries toward direct foreign investment, Chap. In: U.S. private and government investment abroad, Univ. Oregon, 62; auth. Impediments to ECE clearing operations, South. Econ. J; State trading in the Sino-Soviet bloc, Law & Contemporary Probs. Address: Dept. of Economics, Southern Illinois University, Carbondale, Ill. 62901.
- WELLS, DEAN DONALD THEODORE, b. Mt. Holly, N.C., July 23, 32; m. 53; c. 4. POLITICAL SCIENCE. B.A. Berea Col, 53; B.D. Southeast. Theol. Sem, 59; M.A. Alabama, 61. Resources for the Future fel, 62-63, Ph.D.(polit. sci), 63. Asst. prof. polit. sci, Arkansas State, 63-65, chmn. div. polit. sci. & social, 65-67; DEAN, OKLA. COL. LIB. ARTS, 67- Soc. Pub. Admin; Acad. Polit. & Soc. Sci. Regional economic development; political behavior of state legislators. Publ: The TVA tributary area development program, Univ. Alabama, 64; co-auth, State legislature, Tulane Univ, 67. Address: Box 3668, Oklahoma College of Liberal Arts, Chickasha, Okla. 73018.
- WELLS PROF. HAL MARION, b. Sioux City, Iowa, Apr. 11, 20; m. 51; c. 2. PSYCHOLOGY. B.A. Iowa, 40; ST.B. Berkely Divinity Sch, Yale, 45; M.A. Columbia, 50. Consult. psychologist, private practice, 47-56; Dickinson Col, 57-60; ASSOC. PROF. PSYCHOL, ELMIRA COL, 60- Assoc. dir. Behav. Sci. Res. Lab, 57-60; clin. psychologist, private practice, 60. Ed. J. Student Res, 59- U.S.C.G, 42-46. Inter-Am. Soc. Psychol; Sociol. Asn; Personnel & Guid. Asn; Soc. Proj. Tech. & Personality Assessment. Investigations in perception and the psychophysical aspects of energy; techniques of psychotherapy. Publ: Binocular rivalry of parental figures in the humascope & Binocular perceptual discrimination of authority and peer group figures among over, under and equal achievers, J. Psychol; Conflict and consensus at a metropolitan university, In: Conflict, consensus and cooperation. Address: 16 E. 79th St, New York, N.Y. 10021.
- WELLS, PROF. HARRY K, Psychol, see 10th ed, Soc. & Behav. Vols.
- WELLS, DR. HENRY, b. Macomb, Ill, Dec. 15, 14; m. 50; c. 6. POLITICAL SCIENCE. A.B. Illinois, 37; M.A. La. State, 39; Soc. Sci. Res. Coun. fel, 46-47, 60-61; Ph.D.(govt), Yale, 47-49. Instr. govt, Yale, 47-49, asst. prof. polit. sci, 49-53; assoc. prof. polit. sci. & res. assoc. Puerto Rico, 53-56; ASSOC. PROF. POLIT. SCI, PENNSYLVANIA, 56- Vis. prof. & res. assoc. Puerto Rico, 51-52. Gen. ed, Inst. Comp. Study Polit. Sys., 65- Mem. Orgn. Am. States Tech. Assistance Missions on Electoral Matters, Domini-can Repub, 61-62, Honduras, 63, Costa Rica & Bolivia, 66. U.S.N.R, 42-46, Lt. Polit. Sci. Asn; Asn. Latin Am. Studies. Comparative government. Publ: The politics of modernization in Puerto Rico, Harvard, (in press); Puerto Rico's association with the United States, Caribbean Studies, 4/65; Turmoil in the Dominican Republic, Current Hist, 1/66. Address: Dept. of Political Science, University of Pennsylvania, Philadelphia, Pa. 19104.
- WELLS, DR. HENRY BRADLEY, Biostatist, see 11th ed, Phys. & Biol. Vols.
- WELLS, DR. H(ENRY) HERBERT, III, b. Florence, S.C., July 13, 35; m. 59; c. 2. PSYCHOLOGY. A.B. Duke, 57; M.S. Yale, 59, U.S. Pub. Health Serv. fel, 59-61, Ph.D.(psychol), 62. Asst. prof. PSYCHOL, Yale, 61-62; Washington (Seattle), 62-68; ASSOC. PROF, NORTH CAROLINA, GREENSBORO, 68- Psychol. Asn. Concept learning; problem solving. Publ: Effects of transfer and problem structure in disjunctive concept formation, J. Exp. Psychol, 65: 63-69; co-auth, Conjunctive and disjunctive concept learning in humans and squirrel monkeys, Can. J. Psychol, 21: 301-308 & Estimation of the number of hypotheses in a concept learning task, Psychonomic Sci, 9: 311-312. Address: Dept. of Psychology, University of North Carolina at Greensboro, Greensboro, N.C. 27412.
- WELLS, DR. HERMAN B, b. Jamestown, Ind, June 7, 02. ECONOMICS. B.S. Indiana, 24, A.M., 27, LL.D., 62; Wisconsin, 27-28; hon. LL.D. from 19 U.S. insts. Field secy, Ind. Bankers Assn, 28-31; instr. econ, INDIANA, 31-33, asst. prof, 33-35, prof. & dean sch. bus. admin, 35-37, acting pres, 37-38, pres, 38-62, CHANCELLOR, PRES. UNIV. FOUND. & CHMN. AEROSPACE RES. APPLN. CENTER, 62- Spec. adv, liberated areas, U.S. Dept. State, 44; minister, Allied Missions Observ. Greek Elections, 46; cultural affairs adv, Mil. Gov, U.S. Zone, Germany, 47-48; mem. Cmt. Experts on German Questions, UNESCO, 49-50, Am. Coun. ed. rep, U.S. Nat. Cmn, 51-55, v.chmn, 53-54; Am. mem. gov. bd, UNESCO Inst. ed, Hamburg, Germany, 51-57; del, UN Gen. Assembly, 57; head U.S. del, preparatory cmn. univ. probs, SEATO, Bangkok, 60; mem. UN Cmt. Experts to Rev. Activities & Orgn. of Secretariat, 60-61; dir. Cmt. Cultural Rels. Latin Am. Suprv. div. banks & trust co. & div. res. & statist, State Dept. Financial Insts, Ind, 33-35; secy, State Cmn. Financial Insts, 33-36; chmn, Legis. Consult. Higher Ed, N.Y., 63-64; mem. & v.chmn, Nat. Cmn. Humanities, 64-65; mem, President's Cmt. U.S. Soviet Trade Rels, 65; chmn. Ford Found. Surv. Cmt, Univ. Pittsburgh, 65-66; dir, Ind. Judicial Study Cmn, 65-; mem, Nat. Adv. Cmn. Food & Fiber, 66-67; Brookings Inst. Nat. Cmt. Govt. Finance; Cmt. Agency Int. Develop-Univ. Rels; bd. visitors, Tulane; adv. coun, Am. Sch. Madrid; Wabash Col. Develop. Bd. Trustee, Carnegie Found. Adv. Teaching; Cmt. Econ. Develop; Howard Univ; Nat. Fund Med. Ed; Col. Retirement Equities Fund; Ind. Inst. Tech; Earlham Col; American Univ. Cairo; Davis Found, Ind; Center Appl. Ling; trustee & v.chmn, Am. Univs. Field Staff; trustee & v-pres, Wesley Found; trustee & chmn. bd. Ed. & World Affairs, Inc, 63- Dir, Nat. Ed. TV & Radio Center, 57-; People-to-People, 62-; Lafayette Fel. Found; Learning Resources Inst; Arthur R. Metz Found, Ill. Gold medal, Int. Benjamin Franklin Soc, 59; Comdrs. Cross, Order of Merit, Fed. Repub. Germany, 60; Comdr, Most Exalted Order of White Elephant, Thailand, 62; distinguished serv. award, Am. Asn. Sch. Adminstr, 65. Econ. Asn; Philos. Soc; hon. fel. Col. Dent. Publ: Co-auth, Report of Study Commission of Indiana Financial Institutions. Address: 1321 E. Tenth St, Bloomington, Ind. 47401.
- WELLS, DR. JEROME, b. Detroit, Mich, May 8, 36; m. 63. ECONOMICS. B.A. Michigan, 58, fel, 59-61, Ph.D.(econ), 64; M.A. Hopkins, 61. Vis. lectr. ECON, Ibadan, 61-62; instr, Michigan, 62-63; ASST. PROF, PITTSBURGH, 64- Res. assoc, Univ. Michigan/Nigerian Inst. Soc. & Econ. Res, 65-67. Am. Econ. Asn; Am. Agr. Econ. Asn; Nigerian Econ. Soc. Economic development, especially problems of agricultural planning and investment evaluation; government budgeting and planning processes. Publ: Investment criteria and Nigerian development plan, 11/64 & Government investment in Nigerian agriculture, 3/66, Nigerian J. Econ. & Soc. Studies; The Israeli Moshav in Nigeria; an estimate of returns, J. Farm. Econ, 5/66. Address: Dept. of Economics, University of Pittsburgh, Pittsburgh, Pa. 15213.
- WELLS, PROF. LLOYD M(ANNING), Polit. Sci, see 10th ed, Soc. & Behav. Vols.
- WELLS, DR. ORIS V(ERNON), b. Slate Springs, Miss, Dec. 18, 03; m. 30; c. 2. AGRICULTURAL ECONOMICS. B.S. N.Mex. Col, 28, hon. LL.D. 52; summer, Minnesota, 28; scholar, Harvard, 31-32; hon. Sc.D. Mont. State Col, 50. Economist, bur. agr. econ, U.S. Dept. Agr, 29-53, adminstr, agr. mkt. serv, 53-61, statist. adv, war food admin, 42-45, chief, bur. agr. econ, 46-53; asst. dir-gen. ECON, FOOD & AGR. ORGN, UN, 61-63, DEP. DIR-GEN, 63-, consult, 45-46. Vis. lectr, Wisconsin, 49; dir, Commodity Credit Corp, 51-61. Fel. Agr. Econ. Asn.(pres, 49); fel. Statist. Asn; Rural Sociol. Soc; Agr. Hist. Soc; Soc. Int. Develop; Int. Asn. Agr. Econ. Prices; farm policy; agricultural marketing. Publ: Farmers response to price in hog production and marketing, U.S. Dept. Agr. Tech. Bull; Marketing, what is it? why is it?, Yearbook Agr; contrib, Planning and agricultural adjustment, In: Planning for America. Address: Via Aventina 24, Rome, Italy.
- WELLS, PROF. PAUL, b. Seattle, Wash, Dec. 19, 25. ECONOMICS. B.A. Washington (Seattle), 49; Harvard, 52-53; Ph.D. Stanford, 58. Economist, Rand Corp, 55-56; asst. prof. ECON, Los Angeles State Col, 56-57; ILLINOIS, URBANA, 57-61, assoc. prof, 61-66, PROF, 66- Consult, Nat. Inst. Develop. Admin, Bangkok, Thailand, 66-67. U.S.A., 45-46. Econ. Asn. Theory of capital and interest; development of the dynamic aspects of Keynes's liquidity preference theory of rate of interest. Publ: General equilibrium analysis of excise taxes, Am. Econ. Rev; Excise tax incidence in an imperfectly competitive economy, Pub. Finance; Suggested interpretation of Keynes's aggregate supply function, Econ. J. Address: Dept. of Economics, University of Illinois, Urbana, Ill. 61801.
- WELLS, DR. ROGER H(EWES), b. Quincy, Ill, June 1, 94. POLITICAL SCIENCE. A.B. Northwestern, 16; A.M. Harvard, 21, Ph.D., 23. Asst. prof.

polit. sci, Bryn Mawr Col, 23-27, assoc. prof, 27-33, prof, 33-63, chmn. dept, 40-63; RETIRED. Guggenheim fel, 27-28. Panel chmn. War Labor Bd, 43-45; br. chief, consult. & dep. dir. civil admin. div, Off. Mil. Govt, Germany, 45-49; chief hist. div, Off. U.S. High Cmr, 51-53. U.S.A., 17-19, 2nd Lt. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. American federal, state and local government; German government. Publ: German cities; American local government; The states in West German federalism. Address: Dept. of Political Science, Bryn Mawr College, Bryn Mawr, Pa. 19010.

WELLS, DR. SAMUEL FOGLE, JR, Am. Diplomatic Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WELLS, DR. WILLIAM D(ewITT), b. Easton, Pa, June 22, 26; m. 51; c. 1. PSYCHOLOGY. A.B. Lafayette Col, 50; M.A. Stanford, 52, U.S. Pub. Health Serv. fel, 52-54, Ph.D. 54. Instr. psychol, Rutgers, 53-55, asst. prof, 55-60, PROF, 60-65; PSYCHOL. & MKT, GRAD. SCH. BUS, CHICAGO, 65- Consult, Benton & Bowles, Inc, 53-65; Leo Burnett Co, Inc, 65- U.S.A., 44-47. Psychol. Asn; Asn. Pub. Opinion Res; Mkt. Asn. Psychology applied in advertising and marketing; attitudes; scaling. Address: 5433 S. Blackstone Ave, Chicago, Ill. 60615.

WELLS, DR. WILLIAM S(TROH), b. Gallatin, Tenn, Aug. 18, 27; m. 51; c. 3. CLINICAL PSYCHOLOGY. B.A. Michigan, 51; Ph.D.(psychol), Tennessee, 56. Sr. clin. psychologist, psychol. serv. center, Tennessee, 56-57; clin. psychologist, Muscle Shoals Ment. Health Center, Florence-Tuscumbia, 57-60; clin. & counseling psychologist, Vet. Admin. Hosp, Birmingham, Ala, 61-62; asst. res. psychologist, Camarillo State Hosp, Calif, 63-65, staff psychologist, 65-67; VOC. PSYCHOLOGIST, STATE DEPT. REHAB. SANTA BARBARA, CALIF, 67- Summer lectr, Florence State Col, 60. Res. psychologist, East State Hosp, Knoxville, Tenn, 56-57. Consult, State Div. Ment. Hyg, Ala, 60; State Voc. Rehab. Serv, Ala, 61-; Aid Retarded Children Asn, 61- U.S.A.A.F, 45-46. Psychol. Asn. Experimental group processes; sensitivity training; evaluation of the disabled; evaluation of low income youth; marriage and family counseling. Address: 3947 Flower St, Ventura, Calif. 93003.

WELLS, DR. WILLIAM T, Appl. Statist. & Math, see 11th ed, Phys. & Biol. Vols.

WELSAND, PROF. EUGENE H(ENRY), Psychol, see 10th ed, Soc. & Behav. Vols.

WELSCH, DR. DELANE E(MIL), b. Milford, Nebr, June 1, 34; m. 56; c. 2. AGRICULTURAL ECONOMICS. B.Sc. Nebraska, 59, Nat. Defense Ed. Act fel, 61-62, M.Sc. 62; Nat. Defense Ed. Act. fel, Mich. State, 62-64, Ph.D. (agr. econ), 64. Res. fel. agr. econ. econ. develop. inst, Univ. Nigeria, 63-64; asst. prof, Texas A&M, 64-67; AGR. ECONOMIST, ROCKEFELLER FOUND, THAILAND, 67-; ASST. PROF. AGR. ECON, MINNESOTA, MINNEAPOLIS, 67- Summer lectr, Peace Corps Training Prog. for Nigeria, Mich. State, 65; vis. prof, Kasetsart Univ, 67-; Thammasat, 67- Consult. & mem. rev. team, UN Food & Agr. Orgn-Int. Bank Reconstruct. & Develop. Irrigation Rev. Mission, Ceylon, 66. U.S.M.C, 54-58, 1st Lt. Agr. Econ. Asn; Econ. Asn; Statist. Asn; Acad. Polit. & Soc. Sci; Int. Agr. Econ. Asn. Agricultural economic development; economics of technological change; production functions in agriculture; new methodology for agricultural surveys. Publ: Response to economic incentive by Abakaliki rice farmers in Eastern Nigeria, 11/65 & Problems and limitations due to criteria used for economic classification of farms, 12/65; J. Farm Econ; Rice marketing in Eastern Nigeria, Stanford Food Res. Inst. Studies, 8/66. Address: Rockefeller Foundation, GPO Box 2453, Bangkok, Thailand.

WELSH, DR. GEORGE B(YRON), b. Pittsburgh, Pa, Sept. 29, 11; m. 42; c. 1. PSYCHOLOGY. A.B. Mt. St. Mary's Col, 33; M.Ed. Duquesne, 47; Ph.D. (ther), Pittsburgh, 54. Asst. prof. psychol. & ed, Duquesne, 47-54; DIR. PSYCHOL. SERVS, BALDWIN WHITE-HALL PUB. SCHS, 54- psychologist & therapist, 54-61. Lectr, grad. sch, Duquesne, 54- Mem. Int. Coun. Except. Children. C.Eng, 41-46, Capt. Psychol. Asn; Speech & Hearing Asn; Coun. Measurement in Ed. Deviations in mental capacity, gifted and inferior; communications; nature and improvement of listening ability; speech pathology. Address: 5111 Colewood Dr, Pittsburgh, Pa. 15236.

WELSH, PROF. GEORGE SCHLAGER, b. Kingston, Pa, Sept. 24, 18; m. 46. PSYCHOLOGY. B.A. Pennsylvania, 40; Ph.D.(psychol), Minnesota, 49. Asst. instr. psychol, Pennsylvania, 41-43; trainee clin. psychol, Vet. Admin, 46-49, clin. psychologist, 49-53; assoc. prof. PSYCHOL, NORTH CAROLINA, CHAPEL HILL, 53-61, PROF, 61- Fulbright prof, Istituto di Psicologia, Florence, 56-57; vis. assoc. prof, California, 58-59. Consult, Vet. Admin, 53; U.S. Pub. Health Serv, 57; State Hosps, N.C. 60. Med.Serv. C, 43-46, 2nd Lt. Fel. Psychol. Asn; Int. Soc. Study Symbols; Int. Asn. Empirical Aesthetics. Personality; personality measurement with objective personality tests; personality theory; aesthetics; preference for art forms; personality of artists. Publ: Co-auth, Basis readings on the MMPI in psychology and medicine; An MMPI handbook, Univ. Minnesota, 60; Personality: a behavioral science, Prentice-Hall, 62. Address: Dept. of Psychology, University of North Carolina, Chapel Hill, N.C. 27514.

WELSH, LEE M(AYER), b. Salt Lake City, Utah, Jan. 23, 03; m. 30; c. 2. ECONOMICS. Com Eng, Cincinnati, 26. Mem. econ. res. dept, Procter & Gamble Co, 28-59, mkt. res. dept, 59-68; RETIRED. Lectr, Cincinnati, 43-59. Econ. Asn; Statist. Asn. Economic theory; price analysis; forecasting. Address: 1262 Tannehill Lane, Cincinnati, Ohio 45226.

WELSH, DR. RALPH S, b. Salt Lake City, Utah, July 9, 36; m. 59; c. 3. CLINICAL PSYCHOLOGY. B.S. Utah, 58, M.S. 60; U.S. Pub. Health Serv. fel, Denver, 62-63, Ph.D.(psychol), 64. Intern psychol, Norfolk State Hosp, Nebr, 63-65, admin. dir, children's serv, 65-66; dir. clin. serv, Kennedy Center, Conn, 66-67; ASST. PROF. PSYCHOL, FAIRFIELD, 67- Asst. prof, Wayne State Col, 65-66; private practice, 67- Consult, Kennedy Center, Action for Bridgeport Community Develop, Conn, 67- Psychol. Asn; Asn. Ment. Deficiency. Application of modern learning theory in the modification of normal and abnormal human behavior. Publ: Stimulus satiation in the

elimination of juvenile fire setting behavior, In: Readings in behavior therapy with children, Atherton, (in press). Address: Dept. of Psychology, Fairfield University, Fairfield, Conn. 06430.

WELSH, DR. ROBERT S, b. Zanesville, Ohio, Dec. 1, 33; m. 58; c. 2. AGRICULTURAL ECONOMICS, BUSINESS ADMINISTRATION. B.S. Ohio State, 57, M.A. 62, Ph.D.(mgt-labor rela), 65. Lab. supvr. mfg. div, Kroger Co, 57-59, prod. supvr, 59-60, dept. mgr, 60-61; instr. agr. exten. serv, Ohio State, 62-65; asst. prof. MKT, Kentucky, 65-67; ASSOC. PROF, OHIO STATE-U.S. AGENCY INT. DEVELOP. PROJ. BRAZIL, 67- Food retailing consult, 65-66. Air Nat. Guard, 57-64, 8/Sgt. Mkt. Asn; Agr. Econ. Asn; Food Distribution Res. Soc; Can. Agr. Econ. Soc. Management-labor relations in agricultural marketing firms; efficiency research in food retailing and wholesaling; marketing research. Address: American Consulate General, São Paulo, APO New York 09676.

WELSH, DR. WILLIAM ALLEN, b. Salina, Kans, Feb. 5, 40; m. 61; c. 2. POLITICAL SCIENCE. B.S. Northwestern, 61, M.A. 62, Ph.D.(polit. sci), 65. Asst. prof. POLIT. SCI, GEORGIA, 64-68, ASSOC. PROF, 68- DIR. POLIT. DATA ANAL. CENTER, 68- Alexander von Humboldt res. scholar, Munich, 67-68. Polit. Sci. Asn; Asn. Adv. Slavic Studies. Research methodology and empirical theory; comparative politics of the Soviet Union and Eastern Europe. Publ: Co-auth, A methodological primer for political scientists, Rand McNally, 68; auth, The trial system: information retrieval in political science, Am. Behav. Scientist, Vol. 10, No. 5; Politics and scholarship in Bulgaria, Balkan Studies, Vol. 8, No. 1. Address: Dept. of Political Science, University of Georgia, Athens, Ga. 30602.

WELSHANS, PROF. MERLE TALMADGE, b. Murphysboro, Ill, June 17, 18; m. 42; c. 3. ECONOMICS. B.Ed. Southern Illinois, 40; A.M. Washington (St. Louis), 47, Ph.D. 51. Exec. officer & assoc. prof, George Washington, 50-54; PROF. FINANCE, WASHINGTON (ST. LOUIS), 54- Lectr, Credit Res. Found, Dartmouth Col. Ed. Newsletter & consult. econ. Nat. Asn. Credit Mgt, New York, 65- Mem. cmt. econ. policy, U.S. Chamber Commerce, 60-64. U.S.A., 42-45, Capt. Econ. Asn; Finance Asn. Financial analysis. Publ: Using credit for profit, Harvard Bus. Rev, 1-2/67; Principle of finance. Address: School of Business, Washington University, St. Louis, Mo. 63130.

WELTFISH, DR. GENE, b. New York, N.Y., Aug. 7, 02. ANTHROPOLOGY. A.B. Barnard Col, Columbia, 25, Ph.D. Columbia, 29. Lectr. anthropol, Barnard Col, Columbia, 27-29, 35, researcher, coun. res. humanities, Columbia, 29-30, 32-34, Nat. Res. Coun. fel, 30-32, researcher, coun. res. soc. sci, 35-36, lectr, grad. dept. anthropol, 36-53; researcher, lab. anthropol, Lincoln, Nebr, 55-58; fel, Bollingen Found, 58-60; PROF. ANTHROP, FAIRLEIGH DICKINSON, 60- Researcher, Cmt. Am. Indian Langs, 28-29, 30; Am. Mus. Natural Hist. Bur. Am. Ethnol, Reading Pub. Mus, 30. Sci. teaching consult, teachers col, Columbia, 39-43. Anthropol. Asn; Ethnol. Soc; Soc. Ethnomusicol; Soc. Appl. Anthropol. Primitive technology, art and archaeology; ethnology and linguistics of the American Indian; African ethnology; problem of ethnic identity. Publ: Origins of art; co-auth, Races of mankind; Lost universe. Address: Dept. of Anthropology, Fairleigh Dickinson University, Madison, N.J. 07940.

WELTMAN, PROF. JOHN J(AY), b. Brooklyn, N.Y., Sept. 11, 41. POLITICAL SCIENCE. B.A. Hopkins, 63, M.A. 65, Ph.D.(int. studies), 67. ASST. PROF. GOVT, WESLEYAN, 67- Polit. Sci. Asn; Int. Studies. Asn. International relations theory; alliance structures and the balance of power; arms technology and constraints on decision-making. Address: Dept. of Government, Wesleyan University, Middletown, Conn. 06457.

WELTY, PROF. RAYMOND L(EO), Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WENAR, PROF. CHARLES, b. New Orleans, La, Oct. 27, 22; m. 58. PSYCHOLOGY. B.A. Swarthmore Col, 43; Ph.D.(psychol), Iowa, 51. Res. psychologist, Michael Reese Hosp, 51-52; res. assoc. psychol, neuropsychiat. inst, Illinois, 52-57; asst. prof. psychol. in psychiat. sch. med, Pennsylvania, 57-66; PROF. PSYCHOL, OHIO STATE, 66- Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.A.A.F, 43-46, Sgt. Fel. Psychol. Asn; Soc. Res. Child Develop. Developmental psychology; parent-child interaction. Publ: Co-auth, Origins of psychosomatic and emotional disturbances; Mother-child interaction in psychosomatic disorders; auth, Competence at one, Merrill-Palmer Quart, 64. Address: Dept. of Psychology, Ohio State University, Columbus, Ohio 43210.

WEND, DR. JARED SCUDDER, b. Yonkers, N.Y., Mar. 29, 20; m. 48; c. 4. ECONOMICS. A.B. Middlebury Col, 42; M.A. Michigan, 47, Ph.D.(econ), 52. Instr. Detroit, 49-51; asst. prof. ECON, Carroll Col, 51-55; from asst. prof. to ASSOC. PROF, WESTERN MICHIGAN, 55- U.S.A.A.F, 42-45. Econ. Asn; Indust. Rels. Res. Asn. Public regulation of industry; monopoly problems; transportation; public utilities; agriculture. Publ: Public regulation of fluid milk prices in Detroit, Michigan. Address: Dept. of Economics, Western Michigan University, Kalamazoo, Mich. 49001.

WENDEL, DR. GEORGE DORIAN, b. Chicago, Ill, Feb. 17, 28; m. 52; c. 4. PUBLIC LAW. B.S. Loyola (Ill), 52; A.M. St. Louis, 56, Ph.D. 60. Instr. POLIT. SCI, ST. LOUIS, 56-60, ASST. PROF, 60- DIR. CENTER URBAN PROGS, 68- Dir, Inst. Hist. Theory and Insts. Am. Freedom, 61- Consult, Metrop. St. Louis Survey, 58-59; planning consult, Human Develop. Corp, St. Louis, 67- Ed-in-chief, St. Louis Model City Proposal. U.S.A., 46-48, Sgt. Polit. Sci. Asn. History and present state of the privilege against self incrimination; experiments in metropolitan reform; quantitative analysis of political behavior. Publ: Co-auth, Metropolitan reform in St. Louis: a case study; ed, Report of the midwest assembly on the federal governments role in higher education. Address: Center for Urban Programs, St. Louis University, St. Louis, Mo. 63103.

WENDEL, DR. RICHARD FREDERICK, b. Chicago, Ill, Apr. 29, 30; m. 57; c. 2. MARKETING, ECONOMICS. A.B. Augustana Col. (Ill), 51; M.B.A. Pennsylvania, 57, fel, 62-64, Ph.D.(econ), 68. Instr. MKT, Pennsylvania,

- 64-65; ASST. PROF. GRAD. SCH. BUS. ADMIN, WASHINGTON (ST. LOUIS), 65- U.S.A.F. 51-55, 1st Lt. Econ. Asn; Mkt. Asn; Geront. Soc. Welfare economics; income distribution; consumer behavior and advertising effectiveness. Publ: Co-auth. A study of the impact of highway advertising, Roadside Bus. Assoc. 66; auth. Economic status of the aged, Gerontologist, 2/68; The income revolution reconsidered, Bus. Viewpoints, 3/68. Address: Box 1133, Graduate School of Business Administration, Washington University, St. Louis, Mo. 63130.
- WENDELL, PROF. M(ITCHELL), Polit. Sci, see 10th ed, Soc. & Behav. Vols.
- WENDLAND, DR. LEONARD V(IGIL), b. Bellingham, Minn, Nov. 6, 14; m. 38; c. 3. PSYCHOLOGY. B.A. N.Cent. Col.(Ill), 39; B.D. Evangel. Theol. Sem.(Ill), 41; Ph.D.(psychol. & relig), Southern California, 50. Prof. psychol. Pepperdine Col. 49-52; psychologist, RANCHO LOS AMIGOS HOSP. 52-54, CHIEF CLIN. PSYCHOLOGIST, 56-; ASSOC. CLIN. PROF. PSYCHOL. CALIFORNIA, LOS ANGELES, 59- Lectr. Southern California, 54-; Children's Hosp, Los Angeles, Calif. 54-55; Dept. Ed. Southern California, 68- Behav. sci. consult. Los Angeles County, 68- Mem. prnl. adv. bd. Downey Mentally Retarded Children's Sch. 60-; bd. gov. Los Angeles Spastic Children's Found. 59- U.S.A. 44-46. Psychol. Asn. Psychological aspects of physical disabilities, and poliomyelitis; psychodynamics of occupational therapy. Publ: Co-auth. Intellectual functioning of postpoliomyelitic patients & A hospital adjustment scale for chronic disease patients, J. Clin. Psychol. Electroencephalographic characteristics in various types of multiple sclerosis, Bull. Los Angeles Neurol. Soc. Address: 7601 E. Imperial, Downey, Calif. 90241.
- WENDLING, PROF. AUBREY, b. San Francisco, Calif. Sept. 20, 18; m. 41; c. 1. URBAN SOCIOLOGY, DEMOGRAPHY. A.B. San Francisco State Col. 44; summers, California, 46, 47; fel. Washington (Seattle), 48-49, M.A. 52, Ph.D.(sociol), 54. Researcher & field worker, Wash. State Census Bd, Washington (Seattle), 48, instr. SOCIOL. 49-54, asst. prof. SAN DIEGO STATE COL. 54-58, assoc. prof. 58-62, PROF. 62-; DIR. SOC. RES. CENTER, 58-; chmn. sociol. dept. 62-65. Mem. staff adult ed. exten. Washington (Seattle), 51-54; California, San Diego, 57-65. Summer staff mem. West. Wash. State Col. 51, Washington (Seattle), 52 & 56, vis. prof. Oregon, 65. U.S. Merchant Marine, 44-46. Sociol. Asn; Pop. Asn. Human ecology; population. Publ: Co-auth. Citizen participation in San Diego city government, Proc. Inter-Am. Cong. Munic. Affairs, 10/60; Some types of high school dropouts, J. Ed. Res. 4/66; Dropout and the social milieu of the high school: a preliminary analysis, Am. J. Orthopsychiat, 10/66. Address: Dept. of Sociology, San Diego State College, San Diego, Calif. 92115.
- WENDORF, DR. FRED, b. Terrell, Tex, July 31, 24; m. 45; c. 4. ANTHROPOLOGY, ARCHAEOLOGY. A.B. Arizona, 47; A.M. Harvard, 50, Ph.D. 53. Res. assoc. anthrop. lab. anthrop. Mus. N.Mex. 51-58, dir. ANTHROP. 58-64; PROF. SOUTHERN METHODIST, 64-68, CHMN. DEPT. 68- U.S.A. 42-47, 1st Lt. AAAS; Anthropol. Asn; Soc. Archivists; Soc. Am. Archaeol. American archaeology; early man in the New World; Pleistocene geology; prehistory of North Africa, especially Sudan and Egypt. Publ: Collab. The midland discovery; auth. A guide for salvage archaeology, Mus. N.Mex. 62; co-auth. Prehistory of Nubia, Southern Methodist Univ. 68. Address: Dept. of Anthropology, Southern Methodist University, Dallas, Tex. 75222.
- WENDT, DR. G(EOGE) R(ICHARD), Psychol, see 11th ed, Phys. & Biol. Vols.
- WENDT, PROF. HANS W(ERNER), b. Berlin, Germany, July 25, 23; nat; m. 56; c. 3. PSYCHOLOGY. B.A. & M.A. Hamburg, 49; Ph.D.(psychol), Marburg, Germany, 52. Asst. psychopharmacol. Marburg, Germany, 49-52; res. assoc. psychophysiol. Wesleyan, 53; asst. prof. psychol. Mainz, Germany, 56-59; eng. psychologist, Link Group, Gen. Precision Sys., Inc. N.Y. 59-61; assoc. prof. PSYCHOL. Valparaiso, 61-67, prof. 67-68, chmn. dept. 64-66; PROF. & CO-CHMN. DEPT. MACALESTER COL. 68- Spec. auditor, Harvard, 53-54; res. assoc. Conn. Col. 54; field dir. Wesleyan & Harvard Crosscultural Res. Proj. European Center, Germany, 54-58; vis. prof. Ruhr Univ. 66; vis. lectr. Victoria (B.C.) 66-67. Summers, Nat. Sci. Found. fel. Indiana, 62, Michigan, 64. Consult. Radio Corp. Am. 61-62; consult. prin. human factors scientist, Link Group, Gen. Precision Sys., Inc. 62-; consult. Convar Gen. Dynamics, 65-66. AAAS; Am. Psychol. Asn; N.Y. Acad. Sci; Int. Asn. Appl. Psychol; German Psychol. Asn. Stress and fatigue; simulation of aerospace environments; ecology of risk-taking, achievement motivation and morality perception; behavior models held by non-scientists. Publ: Motivation, effort and performance, In: Studies in motivation, Appleton, 55; Risk-taking as a function of pre-verbal imprinting, Archiv f.d. gesamte Psychologie, vol. 113, 61; Behavior models of the non-scientist: the perceived relationship between probability of success and incentive, Psycholog. Forschung, vol. 30, 67. Address: Dept. of Psychology, Macalester College, St. Paul, Minn. 55101.
- WENDT, PROF. PAUL F(RANCIS), b. New York, N.Y., Nov. 7, 08. FINANCE. B.S. Lafayette Col. 28; A.M. Columbia, 35, Ph.D. 41. Asst. prof. econ. Maryville Col. 39-42; lectr. & asst. prof. CALIFORNIA, BERKELEY, 46-48, assoc. prof. FINANCE, 49-55, PROF. 55- Econ. Asn. Real estate. Publ: Real estate appraisal; Housing policy: the search for solutions; Individual investment policy and the new economics, J. Finance. Address: School of Business Administration, University of California, Berkeley, Calif. 94720.
- WENZEL, DR. JULIUS T(UGENDREICH), b. Mich. Feb. 15, 07; m. 28; c. 3. ECONOMICS. A.B. Kalamazoo Col. 28; Baker fel. Tufts, 28-30, M.A. 30; Ph.D.(econ), Harvard, 34. Instr. & tutor hist. govt. & econ. Harvard, 30-34; sr. economist, U.S. Dept. Agr. 34-36; chief econ. studies div. Soc. Security Bd. 36-39; head economist, off. of the secy. U.S. Dept. Agr. 39-42; chief fiscal analyst, Exec. Off. President, U.S. Bur. Budget, 42-46; head dept. econ. Kalamazoo Col. 46-47; econ. prog. dir. Upjohn Inst. Community Res. 47-57; consult. economist, 57-61; PRES. WENZEL'S INC. 61- Econ. Asn; Finance Asn. Economic theory and fluctuations; business finance. Publ: Perspective for business expansion; Dynamics of capitalism; Agricultural employment in the U.S., Monthly Labor Rev. Address: 8364 Gull Rd, Richmond, Mich. 49083.
- WENGER, PROF. M(ARION) A(UGUSTUS), b. Wheeling, W.Va, Mar. 12, 07; m. 29; c. 2. PSYCHOLOGY. B.A. Michigan, 28; M.A. Iowa, 33, Ph.D.(psychol), 35; Yale, 33-34. Res. & clin. psychologist, orthogenic sch, Chicago, 35-36, res. assoc. ed. univ. 36-38; res. assoc. dir. psychophysiol, Samuel S. Fels Res. Inst. 38-42; asst. prof. PSYCHOL. CALIFORNIA, LOS ANGELES, 45-47, assoc. prof. 47-51, PROF. 51-, chmn. dept. 48-50. Fel. Harvard Med. Sch. & Mass. Gen. Hosp. 41; dir. Univ. California Study Center, Chinese Univ. Hong Kong, 67-68. U.S. Maritime Serv. 42-45, Lt. AAAS; fel. Psychol. Asn; fel. Soc. Res. Child Develop; Psychosom. Soc; Soc. Psychophysiol. Res.(pres. 64). Psychophysiological and psychosomatic problems. Publ: Co-auth. Physiological psychology; auth. Studies of autonomic balance in AAF personnel, Comp. Psychol. Monogr; Pattern analysis of autonomic variables during rest, Psychosom. Med. Address: Dept. of Psychology, University of California, Los Angeles, Calif. 90024.
- WENGERT, PROF. EGBERT S(EMMANN), Polit. Sci, see 10th ed, Soc. & Behav. Vols, deceased.
- WENGERT, PROF. NORMAN, b. Milwaukee, Wis, Nov. 7, 16; m. 40; c. 3. POLITICAL SCIENCE. A.B. Wisconsin, 38, J.D. 42, Ph.D. 47; A.M. Fletcher Sch. Law & Diplomacy, 39. Admin. positions, Tenn. Valley Authority, 41-48; asst. prof. govt. City Col. New York, 48-51; mem. staff, Off. U.S. Secy. Interior, 51-52; prof. soc. sci. & chmn. dept. N.Dak. Agr. Col. 52-55; res. assoc. Resources for Future, Inc. 56; PROF. pub. admin. Maryland, 56-60; POLIT. SCI. & CHMN. DEPT. WAYNE STATE, 60-, faculty res. fel. 65. Vis. prof. sch. natural resources, Michigan, 67; Pa. State, 68-69. Consult. Govt. of India, 59; off. policy develop. Fed. Aviation Agency, 63; Gov. Cmn. Efficiency & Improvement in Govt. Ga, 63 & 64; Inst. Pub. Admin. Univ. Michigan, 67. Dep. dir. Outdoor Recreation Resources Rev. Cmn. 59-60. U.S.N.R. 44-45, Ens. Polit. Sci. Asn; Soc. Pub. Admin. Public administration; natural resources and agricultural policy; administration of natural resources in West European countries. Publ: Natural resources and the political struggle, Doubleday, 55; The politics of water resource development as exemplified by TVA, In: The economic impact of TVA, Univ. Tennessee, 67; Changing relationships between government and the forest products industries, Proc. Nat. Colloquium Hist. Forest Prod. Indus., 67. Address: 19401 Stratford Rd, Detroit, Mich. 48221.
- WENNERBERG, PROF. SAMUEL G(EOGE), b. Oslo, Norway, Sept. 28, 02; nat; m. 30; c. 2. MARKETING. B.S. Northwestern, 29, M.B.A. 32, Ph.D. 37. Asst. prof. MKT. MISSOURI, COLUMBIA, 37-40, assoc. prof. 40-46, PROF. 47-, chmn. dept. econ. bus. 51-60, ed. dir. exec. develop. prog. 57-67, chmn. dept. bus. mgt. 60-62, chmn. dept. mkt. 65-67. Fulbright lectr. Norges Handelshoyskole, Bergen, Norway, 50-51. Prin. price analyst & price exec. Off. Price Admin. 42-43; prin. for. econ. analyst, For. Econ. Admin. 43-46; econ. adv. U.S. Mil. Govt. Germany, 44-46. Medal of Freedom, 46. Econ. Asn; Mkt. Asn. Market management and theory; foreign trade and marketing. Address: School of Business & Public Administration, University of Missouri, Columbia, Mo. 65201.
- WENNER, DR. MANFRED W, b. Basel, Switz, Oct. 2, 36; U.S. citizen; m. 61. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A. Oberlin Col. 56; Hopkins, 58, Ph.D.(int. rels), 65; Free Univ. Berlin, 58-59; California, Berkeley, 60-61. Res. assoc. mid-east affairs, Georgetown Res. Proj. Atlantic Res. Corp. 64; for. policy analyst, Legis. Ref. Serv. 64-66; ASST. PROF. POLIT. SCI. WIS. STATE, OSHKOSH, 66-, CHMN. DEPT. INT. STUDIES, 67- Instr. mid-east affairs, Phys. Forces Sch. Ft. Bragg, 64; For. Serv. Inst. Dept. State, 64-66. Consult. Sports Int. & Youth for Develop. 66. Polit. Sci. Asn; Mid. East Inst; Mid. East Studies Asn. N.Am. Middle East studies, especially Yemen and southwestern Arabia; the political process in Switzerland, especially the role of interest groups. Publ: Co-auth. The Soviet military aid program as a reflection of Soviet objectives, Atlantic Res. Corp. 65; auth. Modern Yemen, 1918-1966, Johns Hopkins, 67 & Yemen, In; Worldmark Encyclopedia of the Nations, 67. Address: Dept. of International Studies, Wisconsin State University, Oshkosh, Wis. 54901.
- WENNERGREN, DR. E(MIL) BOYD, b. Logan, Utah, Dec. 15, 28; m. 51; c. 2. AGRICULTURAL ECONOMICS. B.S. Utah State, 51, M.S. 55; Ph.D.(agr. econ), Pa. State, 59. Commercial rep. Mt. States Tel. & Tel. 55-56; asst. agr. mkt. Pa. State, 56-59; from asst. prof. to assoc. prof. AGR. ECON. UTAH STATE, 59-66, PROF. 66- Economist, Utah State Univ-Agency Int. Develop. contract team, Bolivia, 67-69. U.S.A.F. 51-53, Res. 53- Agr. Econ. Asn. Agricultural marketing; resource allocation and use. Address: Dept. of Agricultural Economics, Utah State University, Logan, Utah 84321.
- WENNINGER, DR. EUGENE PAUL, b. Sandusky, Ohio, Oct. 27, 31; m. 56; c. 2. SOCIOLOGY. B.Sc. Ohio State, 53; M.A. Kent State, 60; fel. Illinois, 62, Ph.D.(sociol), 66. Asst. prof. SOCIOL. KENT STATE, 63-67, ASSOC. PROF. 67-, CHMN. DEPT. 68-, acting chmn. dept. 67-68. U.S.A.F. 54-56, 1st Lt. AAAS; Sociol. Asn; Statist. Asn. Juvenile delinquency; sociology of occupations, police; communication; sociology of education. Publ: Co-auth. Socio-economic class and area as correlates of illegal behavior among juveniles, Am. Sociol. Rev. 12/62, Attitudes of juveniles toward legal institution, J. Criminal Law, Criminol. & Police Sci. 12/64 & A theoretical orientation for police studies, In: Juvenile gangs in context, Prentice-Hall, 67. Address: Dept. of Sociology, Kent State University, Kent, Ohio 44240.
- WENTWORTH, DR. EDNA C(LARK), b. Cedar Rapids, Iowa, Jan. 4, 98; m. 28; c. 2. ECONOMICS. Ph.B. Chicago, 20, A.M. 22; Ph.D.(econ), Washington (St. Louis), 41. Assoc. home economist, bur. home econ. U.S. Dept. Agr. 25-28; asst. Washington (St. Louis), 29-30, 31-32, 39-40; spec. case worker, Dept. Pub. Assistance, 39; soc. ins. analyst, bur. old-age & survivors ins. Soc. Security Admin. 41-42, chief beneficiary studies sect. 43-60, soc. ins. analyst, Soc. Security Admin. 60-68; RETIRED. Econ. Asn. Socio-economic status of old-age and survivors insurance beneficiaries; consumer economics. Publ: Methods used in evaluating adequacy of old-age and survivors insurance benefits, Soc. Serv. Rev; The impact of hospitalization costs on aged beneficiaries, Bur. Old-Age & Survivors Ins; A study of the postentitlement work experience of men drawing social security benefits, Soc. Security Admin. 68. Address: 219 Cedarcroft Rd, Baltimore, Md. 21212.

- WENTWORTH-ROHR, DR. IVAN, b. Ogden, Utah, July 11, 18; m. 50; c. 2. PSYCHOLOGY. B.Ed. Hawaii, 41; M.A. Columbia, 47; William A. White Inst. 49-53; Ph.D.(psychol), N.Y. Univ. 50. Couns. Vet. Serv. Center, New York, 46-47; psychologist, State Village, Skillman, N.J., 47-50; lectr. psychol, Queens Col. Clin. New York, 50-51; consult, Walden Sch., 51-53; supvr. psychother, Ment. Health Consult. Center, 58-59; lectr. PSYCHOL, N.Y. Col. Music, 61-64; ASSOC. PROF. PACE COL., 64; SUPVR. PSYCHOL. ST. VINCENT'S HOSP. NEW YORK, 61- Practicing clin. psychologist, 50-; consult, Family Life Serv., Archdiocese of N.Y., 66- U.S.A., 41-46, Capt. Psychol. Asn; Coun. Psychoanal. Psychother.(pres, 56). Normal and abnormal concept formation; personality and therapeutic variables in group therapy with schizophrenics. Publ: Concept of transference, Proc. Coun. Psychoanal. Psychotherapists, 58. Address: Dept. of Psychology, Pace College, 41 Park Row, New York, N.Y. 10038.
- WENTZ, PROF. BRUCE A.(LBION), b. Glen Rock, Pa, Nov. 13, 93; m. 33. PSYCHOLOGY. A.B. Franklin & Marshall Col, 15; B.D. Lancaster Theol. Sem, 18; Ph.D.(psychol), Hopkins, 28. Prof. philos. & relig. CATAWBA COL., 22-23, PSYCHOL. & PHILOS, 26-64, EMER. PROF. 64- AAAS; Psychol. Asn. Philosophy; religion. Address: Dept. of Philosophy & Psychology, Catawba College, Salisbury, N.C. 28144.
- WENZEL, DR. LAWRENCE A, b. Junction City, Kans, Apr. 25, 23; m. 48; c. 3. SOCIOLOGY, EDUCATION. B.A. California, Santa Barbara, 49; M.A. San Francisco State Col, 51; Ford Found. fel, Harvard, 53-54; Ed.D. Univ. of the Pacific, 66. Instr. sociol. & philos, Yuba Col, 55-66; ASSOC. PROF. SOCIOL. CHICO STATE COL, 66- U.S.M.C., 42-45. Ethnic relations; military. Publ: Economic requirements of education during first phase of capital growth, Soc. Action, 6/67; Cognitive effect of group animadversian, Calif. Ed. Res. Asn. J., 4/68; Is anyone indicted for the success of upward bound, Sch. & Soc. (in press). Address: Dept. of Sociology, Chico State College, Chico, Calif. 95926.
- WENZLAU, PROF. THOMAS E(UGENE), b. Troy, Ohio, Mar. 31, 27; m. 50; c. 4. ECONOMICS. B.A. Ohio Wesleyan, 50; M.A. Illinois, 51. Ph.D.(econ), 53. Instr. ECON, Wesleyan, 53-55, asst. prof, 55-57; Kenyon Col, 57-58; assoc. prof, LAWRENCE, 58-66, PROF, 66- Fulbright lectr, Civil Serv. Acad, Govt. Pakistan, 64-65. Consult, Ohio Econ. Ed. Workshop, 60-61. U.S.N., 45-46. Econ. Asn; Finance Asn. Money and banking; accounting theory; public finance; monetary theory; industrial organization; government control of business. Address: 122 N. Union St, Appleton, Wis. 54911.
- WEPMAN, PROF. J(OSEPH) M, b. Copemish, Mich, Dec. 25, 07; m. 32. PSYCHOLOGY, SPEECH PATHOLOGY. A.B. West. Mich. State Col, 31; Ph.M. Wisconsin, 33; Ph.D.(ed. psychol), Chicago, 48. Clin. instr. surg. & lectr. psychol, CHICAGO, 46-58, assoc. prof. SURG. & PSYCHOL, 58-61, PROF, 61- Consult, Vet. Admin. Hosp, Chicago, Ill; Walter Reed Army Med. Center. U.S.A., 43-46. AAAS; fel. Psychol. Asn; fel. Speech & Hearing Asn. Aphasia; psycholinguistics; language development. Publ: Recovery from aphasia, Ronald, 51; co-ed, Concepts of personality, Aldine, 63; co-auth, The psychologist as a witness, Callaghan, 64. Address: 950 E. 59th St, Chicago, Ill. 60637.
- WERBOFF, DR. JACK, Physiol. Psychol, see 11th ed, Phys. & Biol. Vols.
- WERLIN, DR. HERBERT HOLLAND, b. Chicago, Ill, May 23, 32. POLITICAL SCIENCE. A.B. Chicago, 53; B.A. & M.A. Oxford, 55; M.A. Yale, 57; Ph.D. (polit. sci), California, Berkeley, 66. Instr. govt, Tex. Tech. Col, 58-60; polit. sci, State Univ. N.Y. Stony Brook, 65-66, Asst. prof, 66-67; Adlai Stevenson fel. local govt. UN Inst. Training & Res, 67-68; ASST. PROF. GOVT. & POLIT. MARYLAND, 68- Asst. California, Berkeley, 61, 62, 62-63, 64-65; lectr, extra-mural prog, Univ. Col. Nairobi, Kenya, 63. U.S.A., 57-58, Res, 58-60. Polit. Sci. Asn. Politics of Africa and developing areas; comparative and municipal politics; comparative administration; American government. Publ: The victory in Slaton, Negro Hist. Bull, 2/62; Nairobi in the time of Uhuru, Africa Today, 12/63; The Nairobi city council: a study in comparative local government, Comp. Studies Soc. & Hist, 1/66. Address: Dept. of Government and Politics, University of Maryland, College Park, Md. 20740.
- WERLIN, PROF. JOSEPH S, Sociol, see 10th ed, Soc. & Behav. Vols.
- WERMUTH, ANTHONY L, b. Philadelphia, Pa, June 1, 15; m. 40; c. 2. POLITICAL SCIENCE. B.S. U.S. Mil. Acad, 40; M.A. Columbia, 51; M.A. George Washington, 61; Boston & Mass. Inst. Tech, 66-68. Asst. prof. Eng, U.S. Mil. Acad, 46-50; asst. to dep. commandant, curriculum planner & dir. thesis course, U.S. Army War Col, 59-62; exec. officer v.chief staff, Hq. Allied Powers, Europe, 62-63; chief plans & policy, hq. U.S. Army, Heidelberg, Germany, 64-65; asst. cent. Europe, Off. Asst. secy. defense, Int. Security Affairs, 65; asst. to chmn, Chiefs of Staff, 66; POLITICAL SCIENTIST, ADV. STUDIES GROUP, WESTINGHOUSE ELEC. CORP., 66- Lctr, U.S. Army War Col. U.S.A., Col; distinguished serv. medal. Polit. Sci. Asn; Int. Studies Asn; Inst. Strategic Studies; World Future Soc. National security, language and literature; teaching of English and political science; writing and editing; military affairs; philosophy and psychology; outdoor activity; intellectual exchange; Western Europe, prediction and studies of the future. Publ: Portraits from Pentagonia, Stackpole, 55; The relevancy of ethics, Army, 5/62; Bittersweet roots of policy, Mil. Rev, 8/62. Address: 55 Livermore Rd, Wellesley Hills, Mass. 02181.
- WERNER, DR. CHRISTIAN, b. Hamburg, Germany, July 31, 35. GEOGRAPHY TRANSPORTATION. Univs. Münster, Graz, Vienna & Würzburg, 55-61; M.A. Free Univ. Berlin, 61, Ph.D.(geog), 67; Northwestern, 62-63. Sci. asst. geog. Free Univ. Berlin, 65-66; asst. prof. GEOG. NORTHWESTERN, 66-68, ASSOC. PROF. 68- FACULTY ASSOC. TRANSPORTATION, TRANSPORTATION CENTER, 67- Consult. Athens Ekistics Month, 67. Asn. Am. Geog; Regional Sci. Asn. Application of mathematics in geography; network theory; regional science. Publ: On the geometry of transportation networks, First Dept. Geog. Free Univ. Berlin, 66; On the role of topology and geometry in optimal network design, Papers & Proc. Regional Sci. Asn, 68; The law of refraction in transportation geography: its multivariate extension, Can. Geogr. 68. Address: Dept. of Geography, Northwestern University, Evanston, Ill. 60201.
- WERNER, DR. EMMY E(LISABETH), b. Eltville, Germany, May 26, 29; nat. PSYCHOLOGY. B.A. Mainz, 50; exchange student, Int. Inst. Ed, 50-51; M.A. Nebraska, 52, Ph.D., 55; California, 53-54. Counseling psychologist, Marquette, 55; res. assoc. psychol, inst. child welfare, Minnesota, 55-59; res. psychologist, Nat. Inst. Neurol. Diseases & Blindness, 59-60, chief behav. sci. sect, 60-62; asst. prof. CHILD DEVELOP. CALIFORNIA, BERKELEY, 62-65, ASSOC. PROF. & ASSOC. CHILD PSYCHOLOGIST, 65- Consult, off. int. activities, Dept. Health, Ed. & Welfare, 67-, mem. adv. bd. maternal & child health & crippled children res, children's bur, 67- Psychol. Asn; Pub. Health Asn. Personality development in children; prediction of adult adjustment from childhood evaluation; effect of perinatal complications and deprived environment on cognitive development; cross-cultural research on children's cognitive development. Publ: Cumulative effect of perinatal complications and deprived environment on children's development, 5/67 & Reproductive and environmental casualties, 7/68, Pediatrics; Ethnic and social class differences in abilities and achievement among preschool children, J. Soc. Psychol, 6/68. Address: Apt. 33, 2255 Hearst Ave, Berkeley, Calif. 94709.
- WERNER, PROF. HEINZ, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 64.
- WERNER, DR. HERBERT D, b. Chicago, Ill, Aug. 16, 32; m. 55; c. 2. ECONOMICS. B.S. Northwestern, 53; Ph.D.(econ), California, Berkeley, 64. Res. assoc. petrol. hist. proj, Northwestern, 56-57; res. asst. indust. rels, California, Berkeley, 59-61; from instr. to asst. prof. econ, Lewis & Clark Col, 61-66; Resources for Future fel. urban econ, Maxwell Grad. Sch, Syracuse, 66-67; ASST. PROF. ECON. & STAFF ECONOMIST, CENTER COMMUNITY & METROP. STUDIES, MISSOURI, ST. LOUIS, 67- Transportation, U.S.A., 57-59. Econ. Asn; Econ. Hist. Asn. Urban economics; labor market analysis. Address: Dept. of Economics, University of Missouri, St. Louis, Mo. 63121.
- WERNER, DR. OSWALD, b. Rimavská Sobota, Czech, Feb. 26, 28; U.S. citizen; m. 57; c. 3. ANTHROPOLOGY, LINGUISTICS. B.S. Stuttgart Tech, 50; M.A. Syracuse, 61; Ph.D.(anthrop. ling), Indiana, 63. ASST. PROF. ANTHROP. & LING, NORTHWESTERN, 63- Nat. Inst. Ment. Health study grant, 63-; Nat. Sci. Found. fel, 64. U.S.A., 51-53. Anthropol. Asn; Ling. Soc. Am. Semantics; ethnohistory; Navaho Indians. Publ: Anthropological linguistics and computers, Indiana, 67; Method and theory in ethnohistory, Nat. Hist, 68; Ethnohistory and pragmatics, Anthropol. Ling, 66. Address: Dept. of Anthropology, Northwestern University College of Arts & Sciences, Evanston, Ill. 60201.
- WERNER, PROF. RAY O(RVAL), b. Edgar, Nebr, Apr. 21, 22; m. 48; c. 3. ECONOMICS. A.B. Hastings Col, 42; A.M. Nebraska, 47, Ph.D., 60. Instr. ECON, COLO. COL., 48-50, asst. prof, 50-58, assoc. prof, 58-64, PROF, 64-, CHMN. DEPT, 66- Fel. sch. law, Harvard, 65-66. U.S.A.A.F.R., 43-46, Capt. Am. Econ. Asn; Am. Mkt. Asn; Royal Econ. Soc. Public finance; federal aid to education; legal regulation of business. Address: Dept. of Economics, Colorado College, Colorado Springs, Colo. 80903.
- WERNETTE, PROF. J(OHN) PHILIP, b. Imlay City, Mich, Oct. 29, 03. ECONOMICS, BUSINESS ADMINISTRATION. A.B. California, 24; A.M. Southern California, 26; A.M. Harvard, 29, Ph.D., 32. From instr. to assoc. prof, bus. econ, Harvard, 27-45; pres, New Mexico, 45-48; PROF. BUS. ADMIN, MICHIGAN, 48-, ED, MICH. BUS. REV, 49- Soc. Sci. Res. Coun. fel, 32-33. Dir, Ohio Citizens Trust Co, Toledo, 57- Financial adv, Repub. of Colombia, 29; Peru, 31. War goods price coordinator, Off. Price Admin, 42-43. Econ. Asn. Principles of prosperity; business and government. Publ: Money, business, and prices, P.S. King, 33; Financing full employment, Harvard, 45; Government and business, Macmillan, 64. Address: School of Business Administration, University of Michigan, Ann Arbor, Mich. 48104.
- WERNIMONT, KENNETH, b. Ohiowa, Nebr, Aug. 30, 09; m. 58. PUBLIC ADMINISTRATION. B.A. Nebr. Wesleyan, 30, LL.D., 64; M.A. American Univ, 37; Inst. Int. Ed. exchange fel, Rome, 37-38; LL.D. Puget Sound, 62. Mem. staff, Agr. Adjust. & Resettlement Admin, 35-37; legis. planning analyst, Bur. Agr. Econ, 38-42; admin. officer, Commodity Credit Corp, 42-43; agr. cmnr, U.S. Dept. State, Belem, Brazil, 43-44, Rio de Janeiro, 44-46, agr. attache, Bogota, Colombia, 46-50, Mexico, 50-52; asst. adminstr. agr. ROCKEFELLER FOUND, 52-55, asst. dir, 55-61, asst. treas, 61-62, treas, 62-67, V. PRES. ADMIN, 63- Address: 111 W. 50th St, New York, N.Y. 10020.
- WERNIMONT, DR. PAUL F(RANCIS), b. Carroll, Iowa, Dec. 17, 33; m. 61; c. 3. INDUSTRIAL PSYCHOLOGY. B.S. Iowa State, 59, M.S., 61; Indust. Rel. Center fel, Minnesota, 61, 62, Nat. Insts. Health fel, 63, Ph.D.(indust. psychol), 64. Prog. coordinator, appl. res. & personnel consultation, Gen. Motors Inst. Gen. Motors Corp, 64-66; PERSONNEL RES. ADV. SELECTION & PLACEMENT RES, 3M CO, 67- U.S.A., 54-56. Psychol. Asn. Motivation research; assessment of business managers; relationship of background or personal history data to the prediction of behavior. Publ: Re-evaluation of a weighted application blank for office personnel, 62, Intrinsic and extrinsic factors in job satisfaction, 66 & co-auth, Signs, samples and criteria, 68, J. Appl. Psychol. Address: 3031 Cedarwood Dr, St. Paul, Minn. 55119.
- WERNSTEDT, PROF. FREDERICK L(AGE), b. Portland, Ore, Feb. 8, 21; m. 48; c. 3. GEOGRAPHY. B.A. California, Los Angeles, 48, Soc. Sci. Res. Coun. fel, 51-52, Ph.D.(geog), 53; M.A. Syracuse, 50. Asst. prof. GEOG, Pa. State, 52-58, assoc. prof, 58-61; Arizona State, 61-62; PA. STATE, 62-67, PROF, 67- Fulbright grant, Philippines, 51-52; Nat. Sci. Found. study grant, 64-68. U.S.A., 42-46, 1st Lt. Asn. Am. Geog; Asn. Asian Studies. Geography of Southern and Eastern Asia; climatology; population geography. Publ: The role and importance of Philippine interisland shipping and trade; co-auth, The Philippine Island world, Univ. California, 67; Migration and the settlement of Mindanao, J. Asian Studies, 65. Address: Dept. of Geography, Pennsylvania State University, University Park, Pa. 16801.
- WERSHOW, DR. HAROLD JENKINS, b. New York, N.Y., Jan. 8, 20; m. 44; c. 1. SOCIOLOGY, SOCIAL WELFARE. B.S. City Col. New York, 41; M.S.W.,

Pennsylvania, 48, D.S.W. 60. Dir. soc. work, Levindale Home & Hosp, Baltimore, Md, 53-56; supvr. casework, Johns Hopkins Hosp, 56-60; proj. supvr. aging, Jewish Voc. Serv, Chicago, 60-63; PROF. SOCIOL. COL. GEN. STUDIES, ALABAMA, BIRMINGHAM, 63- Consult, Jefferson County Cmt. Econ. Opportunity, 65-67. U.S.A.A.F., 43-46, 2nd Lt. Fel. Geront. Soc.; Sociol. Asn; Acad. Cert. Soc. Workers. Retirement problems; aging. Publ: The balance of mental health and regression in chronic illness and disability, Soc. Serv. Rev, 6/63; co-auth, Some realities of research with a non-institutional aged population, 7/64 & auth, The older Jews of Albany Park—some aspects of sub-culture of the aged and its interaction with a gerontologic research project, 12/64, Gerontologist. Address: Dept. of Sociology, College of General Studies, University of Alabama, 720 S. 20th St, Birmingham, Ala. 35233.

WERT, PROF. JAMES E(DWARD), b. Clayton, Ohio, Jan. 28, 23; m. 52; c. 3. FINANCE. B.S. Lebanon Valley Col, 48; M.B.A. Pennsylvania, 51; Ph.D. (bus. orgn), Ohio State, 54. Asst. prof. acct, Lehigh, 54-57; sr. economist, Fed. Reserve Bank Cleveland, Ohio, 57-59; PROF. FINANCE, Buffalo, 59-67; ARIZONA, 67- U.S.A.A.F., 42-45. Finance Asn; Econ. Asn. Corporation finance. Publ: Co-auth, Effects of shift to land value tax. Address: 1555 Entrada Segunda, Tucson, Ariz. 85718.

WERTHEIM, DR. GEORGE A(LLAN), Exp. Physiol, see 11th ed, Phys. & Biol. Vols.

WERTHEIMER, PROF. MICHAEL (MATTHEW), b. Berlin, Germany, Mar. 20, 27; nat; m. 50; c. 3. PSYCHOLOGY. M.A. Hopkins, 49; Parker fel, Harvard, 49-50, univ. fel, 50-51, Ph.D.(psychol), 52. Asst. inst. coop. res, Hopkins, 47-48; psychoacoustic lab, Harvard, 49-51, res. psychologist, Worcester Found. Exp. Biol, 51-52; instr. PSYCHOL, Wesleyan, 52-53, asst. prof, 53-55; COLORADO, 55-57, assoc. prof, 57-61, PROF, 61- U.S. Pub. Health Serv. clin. psychologist, Worcester State Hosp, 51-52; prin. res. scientist, Rockland State Hosp, 58-59. Summer, vis. prof, Hawaii, 66. Consult. Vet. Admin, Denver, 56-; ed. consult, Contemporary Psychol, 63- Mem. bd. adv. Arch. Hist. Am. Psychol, 65- AAAS; Psychol. Asn; Psychonomic Soc. Perception; abnormal psychology; research strategies; history of psychology. Publ: Co-ed, Readings in perception; co-auth, Introduction to psychological research; A psycholinguistic experiment in foreign-language teaching, McGraw, 64. Address: Dept. of Psychology, University of Colorado, Boulder, Colo. 80302.

WERTHEIMER, DR. RITA, b. Wilkes-Barre, Pa. PSYCHOLOGY. B.A. Bucknell, 46; M.A. Missouri, 48; Ph.D.(psychol), Pittsburgh, 53. Psychol. intern. State Insts. & Agencies, N.J., 48-49; mem. staff, Allentown State Hosp, Pa, 49-50; instr. psychol, West Virginia, 52-55; mem. staff, West. Psychiat. Inst, Pittsburgh, Pa, 55-58; asst. prof. psychiat. & assoc. dir. Psychiat. div, Albert Einstein Col. Med, 60-64; HEAD PSYCHOL. DIV, BROOKLYN PSYCHIAT. CENTER, 64- Vis. faculty, grad. sch. ed, Yeshiva, 60- Dipl. Am. Bd. Exam. Prfnl. Psychol, 61. AAAS; Psychol. Asn. Clinical psychology; projective research; evolving measures and techniques for training of graduate students in psychology and psychiatry; cognitive and perceptual development; study of affect. Publ: Relationship between specific Rorschach variables and sociometric data, J. Proj. Tech; Test of the validity of a psychiatric hospital adjustment scale, Psychiat. Commun; co-auth, Case history blank as a projective technique, J. Consult. Psychol. Address: Box 724, South Hampton, L.I. N.Y. 11968.

WERTIME, THEODORE A(LLEN), b. Chambersburg, Pa, Aug. 31, 19; m. 40; c. 4. POLITICAL SCIENCE. A.B. Haverford Col, 39; M.A. American Univ, 41; Hopkins, 41-42, Soc. Sci. Res. Coun. grant, 47-48. Res. analyst, For. Econ. Admin, 42-44; sr. res. analyst, U.S. Dept. State, 46-55; chief Far East. Res. Br. U.S. Info. Agency, 55-58, dep. chief res, 58-60; cultural attaché, Am. Embassy, Tehran, 60-63; ED. FORUM, VOICE OF AM, 63- Smithsonian res. assoc, 65- With, U.S. Army & Off. Strategic Serv, 44-46. AAAS; Soc. Hist. Tech; Polit. Sci. Asn; Mid. East Inst; Mid. East Studies Asn. N.Am. Communism in Asia; communications patterns in foreign countries; history science. Publ: Coming of the age of steel, Univ. Chicago, 62; Discovery of element carbon, Osiris; Man's first encounters with metallurgy, Science, 12/64. Address: 5900 Fourth Rd. N, Arlington, Va. 22203.

WERTIMER, PROF. SIDNEY JR, b. Buffalo, N.Y., Oct. 28, 20; m. 47; c. 4. ECONOMICS. B.A. Pennsylvania, 42, fel, 46-47; M.A. Buffalo, 49; Ph.D. (econ), London, 52. Instr. ECON, Buffalo, 47-50; asst. prof, HAMILTON COL, 52-56, assoc. prof, 56-64, PROF, 64-; assoc. dean, 56-65. Weymss Found. fel, London Sch. Econ, 65-66. U.S.N., 42-46, Lt. Econ. Asn. Monetary theory; economic theory; economic history. Publ: Co-auth, Economics and man; auth, A.B. Johnson, banker and author, Greenwood, (in press). Address: College Hill, Clinton, N.Y. 13323.

WERTZ, DR. DOROTHY C, b. Buffalo, N.Y., May 18, 37; m. 67. SOCIOLOGY, RELIGION. A.B. Radcliffe Col, 58; A.M. Harvard, 61, fel, 62-63, Knox Mem. fel, 63-64, Ph.D.(relig. sociol), 66. Instr. hist. relig, Bryn Mawr Col, 63-65; soc. sci, Kingsborough Community Col, 65-66; ASST. PROF. SOCIOL, BOSTON COL, 66- Sociol. Asn. Sociology and psychology of art; psychology of religion. Address: Dept. of Sociology, Boston College, Chestnut Hill, Mass. 02167.

WERTZ, DR. ROBERT T, b. St. Joseph, Mo, Nov. 17, 35; m. 60; c. 1. SPEECH PATHOLOGY, AUDIOLOGY. B.A. Long Beach State Col, 59; M.A. Stanford, 64, Ph.D.(speech path), 67. Speech pathologist, Vet. Admin. Hosp, 64-66; ASST. PROF. SPEECH PATH, COLORADO, 66- Consult, Children's Hosp, Denver, Colo, Boulder County Develop. Eval. Clin. & Colo. Hearing Soc, Denver, 66- U.S.A., 54-56. Speech & Hearing Asn. Verbal and non-verbal behavior of brain damaged adults; language and concept formation in children; stuttering. Publ: Effects of auditory stimulation on the performance of adult aphasics, 65, Effects of interhemispheric and intrahemispheric lesions on non-verbal learning, 66 & Behavior deficits associated with right hemispheric lesions, 67, Asha. Address: Dept. of Speech Pathology & Audiology, University of Colorado, Boulder, Colo. 80302.

WERTZ, PROF. VIRGIL R(OE), b. Coshocton Co, Ohio, Mar. 18, 92. AGRICULTURAL ECONOMICS. B.S. Wisconsin, 19, M.S. 20, Ph.D. 29. Instr. Minnesota, 20-22; asst. AGR. ECON, Wisconsin, 22-23; asst. prof, Brookings State Col, 23-26; OHIO STATE, 26-32, assoc. prof, 32-38, prof, 38-60, EMER. PROF, 60- Spec. investr, Farm Credit Admin, 34-35. U.S.A., 18-19. Agr. Econ. Asn. Farm prices; agricultural credit. Publ: Economic trends in agriculture; Text for beginners in agricultural economics. Address: Dept. of Agricultural Economics, Ohio State University, Columbus, Ohio 43210.

WESCHLER, DR. LOUIS FREDRICK, b. San Pedro, Calif, Mar. 17, 33; m. 54; c. 2. POLITICAL SCIENCE. B.A. Calif. State Col. Long Beach, 58; M.A. California, Los Angeles, 60, Resources for Future, Inc. fel, 63-64, Ph.D. (polit. sci), 66. ASST. PROF. STATE & LOCAL GOVT, CALIFORNIA, DAVIS, 64- Contract consult, Calif. Serv. Center Prog, 67-68. U.S.A., 64-66. Polit. Sci. Asn; Soc. Pub. Admin. Address: Dept. of Political Science, University of California, Davis, Calif. 95616.

WESCOTT, PROF. ROGER W, b. U.S., Apr. 28, 25; m; c. 2. LINGUISTICS, ANTHROPOLOGY. B.A. Princeton, 44 & 45, M.A., 47, Ph.D.(ling), 48; Rhodes scholar, Oxford, 48-50, B. Litt, 53. Teacher, Hill Sch, Pa, 46; Asheville Sch, N.C., 50; asst. prof. humanities, Florida, 50-51; Am. Coun. Learned Socs. fel, France & Italy, 51-52; teacher, Phillips Exeter Acad, N.H., 52-53; asst. prof. soc. sci, Boston, 53-55; dir. drama, Ibadan, Nigeria, 55-56; asst. prof. hist, Mass. Inst. Tech, 56-57; assoc. prof. Eng. & soc. sci, Mich. State, 57-62, dir. African Lang. Prog, 60-62; prof. anthrop. & hist. & chmn. dept. soc. sci, South. Conn. State Col, 62-63; linguist, bur. appl. soc. res, Columbia, 63-64; lectr. sociol. & anthrop. & moderator all-col. colloquium, Wilson Col, 64-66; linguist, bur. appl. soc. res, Columbia, 63-64; PROF. ANTHROP. & LING. & CHMN. DEPT. ANTHROP, DREW, 66- Asst. prof, Tufts, 54-57; Ford Found. fel, Univ. Ibadan, Nigeria, 55-56. For. lang. consult, U.S. Off. Ed, D.C., 61; consult, Mich. Constitutional Convention, 62. Poetry ed, Interpreter, 62- Fel. AAAS; fel. African Studies Asn; fel. Anthropol. Asn; Ling. Soc; Soc. Zool; Int. Soc. Comp. Study Civilizations. Ethnography; ethnology; taxonomy; paleontology; phonology; grammar; semantics; conetics, including phatics, streptistics and kinesics; psychoanalysis; orngonomy; philosophy of history. Publ: Comparative grammar of Albanian; Bini grammar; Revolution in African linguistics. Address: Dept. of Anthropology, Drew University, Madison, N.J. 07940.

WESLEY, DR. DAN, b. Ky, Apr. 24, 17; m. 47; c. 4. SOCIOLOGY. A.B. Berea Col, 40; M.S. Boston, 42; M.A. Peabody Col, 47; Michigan, 47-49; Ed.D. Okla. State, 61. Instr. Tulsa, 49-50, asst. prof. sociol, 50-60, dean men, 52-60; ASSOC. PROF. SOCIOL. & DIR. STUDENT PERSONNEL, COL. ARTS & SCI, OKLA. STATE, 61- Address: College of Arts & Science, Oklahoma State University, Stillwater, Okla. 74074.

WESLEY, DR. EMORY JONES, b. Barboursville, Ky, Apr. 5, 10; m. 34; c. 1. COUNSELING PSYCHOLOGY. B.A. Kentucky, 31, M.A., 32; Ed.D.(couns. ed), Colorado, 54. Teacher, pub. schs, Ky, 29-63; ASSOC. PROF. PSYCHOL. & GUID, HENDERSON STATE COL, 63- Vis. lectr. col. pharmacy, Kentucky, 39-45; Louisville, 46-49; Nebr. State Teachers Col, Peru, 56; East. Mont. Col. Ed, 59; Colorado, 60; Ft. Lewis A&M Col, 60-61; Indiana, Jeffersonville Campus, 61-63; Fla. State, 63. U.S.N., 44-45. Personnel & Guid. Asn; Nat. Voc. Guid. Asn; Asn. Couns. Ed. & Supv; Nat. Employ. Couns. Asn; Nat. Soc. Study Ed. Education of secondary school counselors. Publ: Co-auth, Encyclopedia of careers and vocational guidance, Ferguson, 67; co-auth, You might like to read & auth, Briefing the journals, Voc. Guid. Quart, 54- Address: Dept. of Education & Psychology, Henderson State College, Arkadelphia, Ark. 71923.

WESLEY, PROF. FRANK, b. Germany, June 15, 18; U.S. citizen; m. 54; c. 3. PSYCHOLOGY. B.A. Reed Col, 50; M.S. Washington State, 55, Ph.D. 58; hon. Dr.Phil, Hanover Tech, 64. Asst. prof. PSYCHOL, PORTLAND STATE COL, 58-62, assoc. prof, 63-67, PROF, 67- Guest lectr. & res. consult, Göttingen, 63-65; res. assoc, Inst. Am, Aix Marseille, 67-68. U.S.A., 44-46, T/Sgt. Psychol. Asn. Comparative psychology; human learning; child development; cross-cultural child rearing methods and educational studies. Publ: The number concept, a phylogenetic review, 61 & co-auth, German psychology and its journals, 66, Psychol. Bull; Problems in establishing norms for cross-cultural comparisons, Int. J. Psychol, 66. Address: Dept. of Psychology, Portland State College, Portland, Ore. 97207.

WESLEY, DR. GEORGE R(ANDOLPH), b. Houston, Tex, July 31, 31; m; c. 4. PSYCHOLOGY. B.A. Houston, 57; M.A. Denver, 59, Ph.D.(counseling, guid), 65. Instr. sci. & psychol, Northeast. Jr. Col, 61-63; ASST. PROF. PSYCHOL, Appalachian State, 63-66; Memorial Univ, 66-67; APPALACHIAN STATE, 67- Psychol. consult, Hosp. Ment. & Nervous Diseases, St John's, Newf, 66-67; New River Ment. Health Center, N.C., 67- U.S.A., 52-54, Sgt. Willingness to risk as a factor in vocational choice and academic achievement. Publ: Willingness to risk, Appalachian State Univ. Faculty Pub, 65. Address: Dept. of Psychology, Appalachian State University, Boone, N.C. 28607.

WESLEY, PROF. OSCAR, Sociol, see 10th ed, Soc. & Behav. Vols, deceased 65.

WESMAN, DR. ALEXANDER G(REGORY), b. Russia, Aug. 7, 14; nat; m. 43; c. 2. PSYCHOLOGY. B.A. Fordham, 34, M.A., 38; Ph.D.(ed. psychol, measurements), Columbia, 44. Assoc. dir, grad. record exams, Carnegie Found. Adv. Teaching, 42-45; assoc. dir. TEST DIV, PSYCHOL. CORP, 45-65, DIR, 65-; TREAS. CORP, 57-; V.PRES, 65- Instr. City Col. New York, 44; lectr. Columbia, 48. Consult, Adj. Gen. Off, U.S. War Dept, 44-45. Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn; Psychomet. Soc. Test construction; educational and industrial test validation; learning. Publ: Co-auth, Differential aptitude tests; auth, Wesman personnel classification test; Personnel tests for industry. Address: Psychological Corp, 304 E. 45th St, New York, N.Y. 10017.

WESS, PROF. HAROLD B. U.S. citizen. BUSINESS ADMINISTRATION, MARKETING. B.S. City Col. New York, 16. V.pres, R.H. Macy & Co; managing

dir, Am. Retailers, Inc; v.pres. & gen. mgr, Namm Store; Hartman Furniture Co; assoc. mkt. grad. sch. bus. Columbia, 46-51; dir. consumer soft goods, hard goods & distribution divs, Off. Price Stabilization, 52; prof. bus. admin. & mkt. AMERICAN UNIV, 53-67, dir. prog. sch. bus. admin. 55-67, EMER. PROF. MKT, 67- Lectr, Greece, Norway, Israel, U.S.; bus. sch. Harvard; N.Y. Univ; Nat. Security Agency; chmn. faculty, sch. adv. retail mgt. Rutgers. Consult. Chmn. bd, Alexander Dept. Stores. Freedoms Found. Award, 61, 63. Business management; human relations; marketing. Publ: Profit principles of retailing; Merchandise control; Is efficiency taboo in academia? Ed. Record, 2/68. Address: Upland Lane, Croton-on-Hudson, N.Y. 10520.

WESSELL, DR. NILS Y(NGVE), b. Warren, Pa, Apr. 14, 14; m. 38; c. 2. PSYCHOLOGY. B.S., Lafayette Col, 34, hon. Sc.Ed.D, 51; fel, Brown, 34-36, M.Sc, 35; fel, Rochester, 37-38, Ph.D.(psychol), 38; L.H.D., Lesley Col, 55, Brandeis, 61; LL.D., Boston, 58, Boston Col, 57, Northeastern, 58, Brown, 58, Tufts, 66, Wagner Col, 67, Bates Col, 68; Jur.D, Portia Law Sch, 59; Litt.D, Am. Int. Col, 60. Dir. mobil child guid. clin, Michigan, 38-39; asst. prof. psychol, Tufts, 39-45, assoc. prof, 45-47, prof, 47-66, dean lib. arts, 39-53, acting chmn. dept. psychol, 43-45, v.pres, univ, 51-53, acting pres, 53, pres, 53-66; PRES, Inst. Ed. Develop, 65-68; ALFRED P. SLOAN FOUND, 68- Lectr, Harvard, 43; Carnegie travel fel, 65- Trustee, Scandinavian Seminar; Univ. Maine; United Student Aid Funds, 67- Chmn. Gov. Cmt. Study Mass. Penal Syst, 55-56; New Eng. Workshop for President's Cmt. Ed. Beyond High Sch, 56; Rhodes Scholar. Cmt, Mass, 56-57; pres, New Eng. Cols. Fund, Inc, 56-58; rep, Nat. Cmn. Accrediting, 56-60. Knight, Royal Order North Star, Sweden, 58. AAAS; Psychol. Asn; Am. Acad. Arts & Sci. Administration and personnel. Address: 630 Fifth Ave, New York, N.Y. 10020.

WESSEN, PROF. ALBERT F(OBERG), b. Topeka, Kans, Oct. 20, 24; m. 49; c. 4. SOCIOLOGY. B.A., Yale, 48, M.A., 49, Sterling fel, 49-50, Soc. Sci. Res. Coun. fel, 50-51, Ph.D.(sociol), 51. Res. asst. sociol. & pediat, Yale, 51-52, instr, 53-55, asst. prof, 55-56; med. sociol. col. med, Vermont, 56-58; sociol. & psychiat, WASHINGTON (ST. LOUIS), 58-62, assoc. prof, 62-65, PROF. SOCIOL, 65-, EXEC. DIR. MED. CARE RES. CENTER, 60-; CHIEF BEHAV. SCI. UNIT, WHO, 67- Russell Sage Found. fel, 51-53; chmn. dept. sociol, Washington (St. Louis), 65-67; vis. prof. Leicester, 67. Mem. epidemiol. & disease control study sect, U.S. Pub. Health Serv, 64-67. U.S.A., 43-46. Sociol. Asn; Pub. Health Asn; Soc. Appl. Anthropol; Gerontol. Soc. Medical sociology; social organization; history of social sciences. Publ: The mental hospital as a social system; co-auth, Home care, Am. Hosp. Asn. Monogr; auth, The apparatus of rehabilitation: a sociological analysis, Am. Sociol. Asn, 66. Address: World Health Organization, Avenue Appia, 1211 Geneva, Switz.

WESSER, DR. ROBERT F(RANK), Mod. U.S. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WESSLER, DR. RICHARD L(EE), b. St. Louis, Mo, Sept. 11, 36; m. 65; c. 1. PSYCHOLOGY, SOCIOLOGY. A.B., Washington (St. Louis), 58, Ph.D.(psychol), 66; Dixon-Brinton Mem. Res. Fund grant, 65- Res. assoc. SOCIOL, ST. LOUIS, 62-65, instr, 65-66, ASST. PROF, 66-, asst. univ. res. adminstr, 65-67. Psychol. Asn; Sociol. Asn. Social psychology; social systems. Publ: Co-auth, Administrative research and development, 1/64 & Institutional research in health organizations, 6/64, Hosp. Progress; co-auth, Social characteristics of patients readmitted to a community mental health center, Community Ment. Health J, 12/69. Address: 2232 Cleek Court, St. Louis, Mo. 63131.

WESSMAN, DR. ALDEN E(BENHART), b. Boston, Mass, Mar. 3, 30; m. 59; c. 3. SOCIAL PSYCHOLOGY, PERSONALITY. A.B., Harvard, 52; fel, Princeton, 52-54, M.A., 54, Walker fel, 54-55, Ph.D.(psychol), 56. Res. assoc. lab. soc. rels, Harvard, 56-61, lectr. clin. psychol, 60-61; mem. faculty psychol, Sarah Lawrence Col, 61-65; ADJ. ASSOC. PROF. & RES. DIR. PROJ. ABC, DARTMOUTH COL, 65- Psychol. Asn; Sociol. Asn. Psychodynamics of mood fluctuation and personality characteristics associated with mood level and variability; nature and organization of affective experience; education of disadvantaged. Publ: Co-auth, Mood and personality, Holt, 66. Address: Dept. of Psychology, Dartmouth College, Hanover, N.H. 03755.

WESSON, DR. ROBERT G(ALE), b. Washington, D.C., Mar. 11, 20; m. 58; c. 3. POLITICAL SCIENCE. A.B., Arizona, 40; M.A., Fletcher Sch. Law & Diplomacy, 41; Ph.D., Columbia, 61. Am. v.consul, U.S. For. Serv, 41-44; vis. asst. prof. govt, Bates Col, 61-62; res. scholar, St. Anthony's Col, Oxford, 62-64; asst. prof. POLIT. SCI., CALIFORNIA, SANTA BARBARA, 64-66, ASSOC. PROF, 66- Dir, Univ. California Study Center, Bogota, Colombia, 66-67. U.S.N.R., 44-46. Polit. Sci. Asn. Comparative government and Soviet institutions. Publ: Soviet communes; The American problem, Abelard, 63; The imperial order, Univ. California, 67. Address: Dept. of Political Science, University of California, Santa Barbara, Calif. 93106.

WESSON, PROF. WILLIAM H(INTON), JR, b. Lawrenceville, Va, Sept. 1, 15; m. 46; c. 2. LABOR ECONOMICS. B.S., N.C. State Col, 36; Hopkins, 36-38; Ph.D., Duke, 50. Assoc. prof. econ. & commerce, Chattanooga, 48-50, prof, 50-56; assoc. prof. ECON, La. State, 56-60; PROF, SOUTH CAROLINA, 60-U.S.N.R., 42-46. Econ. Asn; Statist. Asn. Salaries and wages in government employment; labor market studies. Publ: Negro employment in the Chattanooga area. Address: College of Business Administration, University of South Carolina, Columbia, S.C. 29208.

WESSON, WILLIAM T(EMPLE), b. Broadax, Va, Dec. 15, 15; m. 42; c. 3. AGRICULTURAL ECONOMICS. B.S., N.C. State Col, 40, M.S., 49; Chicago, 48-50. Agr. statistician, N.C. Dept. Agr. & U.S. Dept. Agr., 40-42, 57; res. assoc. futures trading, Brookings Inst, 50-54; AGR. ECONOMIST MKT, U.S. DEPT. AGR, 54- U.S.A., 42-47, Capt. Agr. Econ. Asn. Dairy marketing cooperatives; futures trading; taxes in marketing; elements of marketing costs. Publ: Co-auth, Futures trading seminar history and development; auth, Possibilities for future trading in Florida citrus fruit and products & Economic importance of futures trading in potatoes, U.S. Dept. Agr. Mkt.

Res. Report. Address: Marketing Economics Division, Economic Research Service, U.S. Dept. of Agriculture, Washington, D.C. 20031.

WEST, DR. BRADFORD W(ILLIAMS), b. East Onondaga, N.Y., Dec. 22, 01; m. 28; c. 2. POLITICAL SCIENCE. A.B., Amherst Col, 23; A.M., California, 25; Ph.D., Pennsylvania, 30. Instr. polit. sci., Pennsylvania, 26-34, asst. prof, 34-40, assoc. prof, 40-68; dir. student personnel, Wharton Sch. Finance & Commerce, 46-68, teacher navig, Navy V-5 prog, 43-44; RETIRED. Penfield scholar, 36. Mem. staff, Local Govt. Surv, Pa, 34-35. Analyst, wage admin. agency, U.S. Dept. War, 44-45. Comparative government; financial aspects of state care of the insane in New York; business and government. Address: 390 Lakeside Rd, Ardmore, Pa. 19003.

WEST, DR. DAVID ALMOND, b. Chicago, Ill, May 3, 34; m. 53; c. 2. ECONOMIC. B.A., John Brown Univ, 55; M.B.A., Arkansas, 58, Ph.D.(econ), 61. Asst. prof. econ, Union (Tenn), 57-60; assoc. prof, Carson-Newman Col, 60-63; prof. econ. & finance, Memphis State, 63-66; ASSOC. PROF. FINANCE, MISSOURI, COLUMBIA, 66- Fed. Reserve Bank of Atlanta fel, 62. Consult, Brookmire Investors Serv, Inc, 64. Econ. Asn; Finance Asn. Financial analysis, especially investments and corporate capital markets. Publ: The investor in a changing economy, Prentice-Hall, 68; Investment policy in a growth economy, South. J. Bus, 7/67; Risk analysis in the 1960's, Financial Analyst J, 11-12/67. Address: Dept. of Finance, University of Missouri, Columbia, Mo. 65201.

WEST, DR. ELMER D, b. Spencer, W.Va, Sept. 13, 07; m. 31; c. 2. PSYCHOLOGY. A.B., Ohio, 30; Gen. Ed. Bd. fel, Western Reserve & Harvard, 34-35; Ed.M., Harvard, 34, Ed.D., 35. Provost, instr. psychol. & dir. projs, Stoneleigh Col, 35-36, dean, 36-43; assoc. prof. psychol, New Hampshire, 46-48, dir. placement, 46-47, counseling & summer schs, 46-48, admissions, 47-48; prog. dir, Am. Inst. Res, 48-53, 54-55, dep. dir. admin. & res, 53-54; spec. assoc. Am. Coun. Ed, 55; supv. training officer, U.S. Dept. Defense, 55-56; from asst. dir. to dir. off. statist. info. & res, Am. Coun. Ed, 56-64; exec. secy, Joint Grad. Consortium, 64-66; EXEC. DIR. CONSORTIUM OF UNIVS. OF WASH, D.C. METROP. AREA, 66- Lectr, Pittsburgh, 53-54. Fel. AAAS; fel. Psychol. Asn. Publ: Ed. Fact-book on higher education; Background for national scholarship policy; auth, Stage of ossification as a measure of growth and its relation to intelligence test score. Address: 1511 Live Oak Dr, Silver Spring, Md. 20910.

WEST, HOWARD, b. Conn, Sept. 26, 15; m. 42; c. 3. PUBLIC HEALTH STATISTICS. B.A., Michigan, 35; M.P.H., Yale, 37. Statistician, div. orthopedics, N.Y. State Dept. Health, 38-39, div. cancer control, 39-42; chief statist. processing br, Nat. Off. Vital Statist, 46-54; chief biostatist. div, D.C. Govt, Dept. Pub. Health, 54-60, chief prog. planning, 60-63; dir. div. res. & statist, Group Health Asn. Am. 63-65; DIR. DIV. HEALTH INS. STUDIES, OFF. RES. & STATIST, SOC. SECURITY ADMIN, DEPT. HEALTH, ED. & WELFARE, 65- Lectr, American Univ, 46-50. Consult, Statist. Off, UN, 51. U.S.N.R., 42-46. Statist. Asn; Pub. Health Asn. Demography; public health; medical care. Address: 7313 Stafford Rd, Alexandria, Va. 22307.

WEST, DR. J(AMES) THOMAS, b. Winter Haven, Fla, Nov. 19, 26; m. 58; c. 3. CLINICAL PSYCHOLOGY, COUNSELING. B.S., Davidson Col, 49; M.A., North Carolina, 52; Ford Found. fel, U.S. Pub. Health Serv. fel. & Ph.D. (psychol), Vanderbilt, 58. Head counsr. & dir. testing prog, city schs, Charlotte, N.C., 52-54; counsr, psychol. serv. center, Vanderbilt, 55-57; dir. ment. health ed, State Dept. Ment. Health, Tenn, 58-59; assoc. prof. PSYCHOL, FLA. PRESBY. COL, 59-68, PROF, 68-, DIR. COUNSELING, 59-Voc. expert, Bur. Hearings & Appeals, 64-68. U.S.A.F., 44-45, 1st Lt. Psychol. Asn; Personnel & Guid. Asn. Mental health research; test construction; personality theory; underachieving in students. Publ: Mental health education, Mind & Matter; Presbyterian guidance program. Address: Dept. of Psychology, Florida Presbyterian College, St. Petersburg, Fla. 33733.

WEST, PROF. JERRY G(LENN), b. Stuart, Okla, Sept. 1, 30; m. 55; c. 3. AGRICULTURAL ECONOMICS. B.S., Okla. State, 52, M.S., 55; Ph.D.(agr. econ), Mich. State, 58. PROF. AGR. ECON, MISSOURI, COLUMBIA, 58-, Vis. prof. econ, N.C. State, 67-68. U.S.A., 52-54. Agr. Econ. Asn. Public policy. Publ: Co-auth, Economics of agricultural production, markets and policy, Irwin, 68. Address: 200 Mumford Hall, University of Missouri, Columbia, Mo. 65201.

WEST, DR. JOSEPH V(ETH), b. El Paso, Tex, May 4, 21; m. 49; c. 1. PSYCHOLOGY. B.S., Texas, 43, fel, 50-52, Ph.D., 54; M.A., Texas West. Col, 49; M.R.E., Southwest Baptist Sem, 52. Instr. ed. & psychol, Wayland Col, 49-50, asst, 52-53; prof. psychol, Hendrix Col, 53-57; asst. prof. & assoc. dir, counseling center, BAYLOR, 57-60, DIR, 61-67, INSTNL. RES. & TESTING, 67- Dir. Hogg Found. res. grant, 61-63. Res. consult, Am. Col. Testing Prog, 63-66. U.S.N.R., 44-46, Lt.(jg). Psychol. Asn; Asn. Instrnl. Res. Personality research. Publ: The Texas interest analyzer, Baylor, 61; co-auth, A longitudinal study of the relationship of high school foreign language and mathematics study to freshmen grades, J. Ed. Res, 11/60; Rorschach and draw-a-person responses of hypnotized and nonhypnotized subjects, Psychiat. Quart, 1/63. Address: Office of Institutional Research, Box 347, Baylor University, Waco, Tex. 76703.

WEST, DR. LEONARD J(ORDAN), b. New York, N.Y., Apr. 29, 21; m. 48; c. 4. EDUCATIONAL PSYCHOLOGY. B.B.A., City Col. New York, 41; M.A., Columbia, 47, Ph.D.(psychol), 53. Instr. bus. ed, City Col. New York, 46-53; res. psychologist, Air Force Personnel & Training Res. Center, 53-57; ASSOC. PROF. bus. ed. & psychol, Southern Illinois, 57-64; ED. RES, CITY UNIV. NEW YORK, 64- Vis. prof. Columbia, 64- Consult, Perceptual Develop. Labs, Mo, 60-64; Radio Corp. Am, 66. U.S.A., 42-46. Psychol. Asn; Ed. Res. Asn. Educational and psychological research; occupational skills; business education; programmed instruction. Publ: 300 commas, McGraw, 62; Acquisition of typewriting skills, Pitman, 68; Business education, Encyclop. Ed. Res, (in press). Address: 233-26 40th Ave, Douglaston, N.Y. 11363.

WEST, DR. MARY JANE, Animal Behavior, Evolution, see 11th ed, Phys. & Biol. Vols.

WEST, DR. QUENTIN M, b. Morgan, Utah, June 27, 20; m. 44. AGRICULTURAL ECONOMICS. B.S. Utah State, 48, M.S. 49; Ph.D. Cornell, 51. Res. agr. specialist, N.Y. State Cmm. Agr, 51-52; agr. economist, Inter-Am. Inst. Agr. Sci, 52-56; assoc. prof. agr. econ, Cornell, 56; chief Far East Br, U.S. DEPT. AGR, 56-62, dep. dir, FOR. REGIONAL ANAL. DIV, ECON. RES. SERV, 62-65, DIR, 65- U.S.A., 43-47, 1st. Lt. Agr. Econ. Asn; (award, 51). Foreign economic analysis; land economics. Publ: Demostracion del uso del metodo de la encuesta en los estudios economicos en area agricolas; Agricultural development in Turkey; World food budget, 1970, U.S. Dept. Agr, 10/64. Address: 1007 Poplar Dr, Falls Church, Va. 22046.

WEST, DR. RHEA HORACE, JR, b. Loudon, Tenn, Oct. 5, 20. BUSINESS MANAGEMENT, ACCOUNTING. B.S. Tennessee, 47, fel, Alabama, 56-57, Ph.D.(bus. admin), 64; Sloan Found. fel, Mass. Inst. Tech, 59-60; Repub. Steel summer fel, Case, 60. Trainee mgt, Aluminum Co. Am, 41-43; supvr. registrn, Tennessee, 46-50; prof. mgt, Wake Forest Col, 50-51; analyst budget & reports, U.S. Atomic Energy Cmn, 51-55; prof. MGT. Arkansas, 57-59; Carson-Newman Col, 60-65; ASSOC. PROF, GA. STATE COL, 65- Summer fel. indus. dynamics, Mass. Inst. Tech, 63. Proj. dir, State of Ga. Tech. Serv. Prog, 67- Consult, State Indus. Develop. Cmn, Ark, 59-60; mgt. consult, Lockheed Ag. Co, Redstone Arsenal & U.S. Civil Serv. Cmn, 66-; Nat. Linen Co, 68- U.S.A., 43-46, Sgt. Mgt. Asn; Inst. Mgt. Sci; Soc. Adv. Mgt; Am. Acct. Asn; Soc. Personnel Admin; Acad. Mgt; Ord. Asn. Jurisdictional disputes in the atomic energy industry; executive training and development. Publ: Co-auth, Board of directors and the significance of their composition, Adv. Mgt, 11/59 & Mgt. Rev, 2/60; auth, The invention rights of employees, Adv. Mgt, 11/61; Writing a management case study, Personnel Administrator, 7-8/63. Address: Dept. of Economics, Georgia State College, P.O. Box 128, Atlanta, Ga. 30303.

WEST, DR. RICHARD ROLLIN, b. Cleveland, Ohio, Feb. 15, 38; m. 58; c. 4. ECONOMICS. B.A. Yale, 60; M.B.A. Chicago, 63, Fed. Reserve Bank Chicago fel, 63-64, Ph.D.(econ), 64. Instr. econ, Yale, 60-61; asst. prof. FINANCE, CORNELL, 64-67, ASSOC. PROF, 67- Financial policies of corporations. Publ: New yield concessions on municipal bonds, J. Bus, 65; co-auth, Reacquisition of corporate stock, J. Finance, 66; auth, Recent federal reserve discount policy, Nat. Banking Rev, 66. Address: Dept. of Finance, Graduate School of Business & Public Administration, Cornell University, Ithaca, N.Y. 14850.

WEST, PROF. ROBERT C(OOPER), b. Enid, Okla, June 30, 13. GEOGRAPHY. A.B. California, Los Angeles, 35, M.A. 38; Ph.D.(geog), California, 46. Cartographer, Off. Strategic Serv, 41-45; cultural geogr. Smithsonian Inst, 46-47; assoc. prof. GEOG, LA. STATE, 48-55, PROF, 56- Guggenheim fel, 55-56; vis. lectr, Wisconsin, 66; vis. prof, California, Los Angeles, 68. AAAS; Am. Geog. Soc; Asn. Am. Geog; Anthropol. Asn; Latin Am. Studies Asn. Historical geography of Latin America; cultural geography and ethnography of Indian and Negro groups in Latin America; biogeography of the humid tropics. Publ: Co-auth, Middle America: its lands and peoples, Prentice-Hall, 66; The mining community in northern New Spain, Ibero-Americana; Pacific lowlands of Colombia, La. State Univ. Studies. Address: Dept. of Geography & Anthropology, Louisiana State University, Baton Rouge, La. 70803.

WEST, DR. ROBERT JAMES, b. Champaign, Ill, Oct. 5, 09; m. 38; c. 2. ECONOMICS, STATISTICS. B.S. Illinois, 31, M.S. 33, B.S. 34, Ph.D. Pittsburgh, 41. With HARNISCHFEGGER CORP, 42-, MKT. ANALYST, 58- Econ. Asn; Statist. Asn. Market research in capital goods industries. Address: 6829 Wellauer Dr, Milwaukee, Wis. 53213.

WEST, PROF. ROBERT LeROY, b. North Platte, Nebr, Sept. 13, 25; m. 51; c. 1. ECONOMICS. B.A. Yale, 48, M.A. 50, Jr. Sterling fel, 52-53, Ph.D. (econ), 56; Ford Found. fel, 54-55. Instr. econ, Yale, 52-54, 55-58, admin. secy, Prog. Int. & For. Econ. Admin, 56-58; economist, res. div, Fed. Reserve Bank New York, 58-59; res. assoc. African res. prog. center int. studies, Mass. Inst. Tech, 59-61; asst. dir. soc. sci, Rockefeller Found, 62-65; PROF. DEVELOP. DIPLOMACY, FLETCHER SCH. LAW, 65- Financial adv, UN Opers, Congo & mem, Monetary Coun. Repub. Congo, 60-61; dir, Agency Int. Develop. mission & econ. counsr, Am. Embassy, Congo, 63-64. Mem, U.S. nat. cmm, UNESCO, 49-51, exec. cmt, 50-51. U.S.N., 43-46, Ens. Am. Econ. Asn; African Studies Asn; Royal Econ. Soc. Problems of economic growth and social change in underdeveloped areas; relation of financial institutions and monetary-fiscal policies to economic development; relation of economic analysis to policy formation and planning. Publ: Balance-of-payments for Kenya, 1920-1939, E.African Econ. Rev; United Nations and the Congo financial crisis, Int. Orgn. Address: Dept. of Developmental Diplomacy, Fletcher School of Law & Diplomacy, Medford, Mass. 02155.

WEST, DR. S(AMUEL) STEWART, b. Minneapolis, Minn, Dec. 11, 09; m. 35, 61; c. 6. SOCIOLOGY. B.S. Calif. Inst. Tech, 30, Ph.D.(physics), 34; M.A. Washington (Seattle), 56. Jr. physicist, Bur. Standards, 30-31; asst. electron scattering, Washington (St. Louis), 34-36; chief physicist, Subterrex, 36-38; physicist, Stanolind Oil & Gas Co, 38-45; asst. prof. physics, Alaska, 45-48, fel. geophys. inst, 48-49; geophysicist, Arctic Contractors, 49-50; consul. geophysicist, 50-53; res. sociologist, Washington (Seattle), 53, eng. consult, dept. anat, 55-56; res. assoc. dept. psychol, Michigan, 56-57, study dir, surv. res. center, 57-60; assoc. res. sociologist, sch. nursing, California, Los Angeles, 60-62; SR. EMPLOY. COUNSR, ALASKA STATE EMPLOY. SERV, 62- AAAS; Sociol. Asn; Anthropol. Asn. Geophysics, sociology of science; mathematical sociology. Publ: Ideology of academic scientists, Inst. Radio Eng. Trans; Sibling configurations of scientists, Am. J. Sociol; Class origin of scientists, Sociometry. Address: Grenac Rd, Star Route 3, Fairbanks, Alaska 99701.

WEST, STAN, b. Middle Village, N.Y., Nov. 6, 25; m. 50; c. 3. ECONOMICS, FINANCE. B.A. Indiana, 48; J.D. N.Y. Univ, 54, M.B.A. 56. Admin. asst, U.S. Mil. Govt, Germany, 46-47; labor ed, Prentice-Hall, Inc, 48-50; sr. researcher pub. finance, Tax Found, Inc, 52-54; tax economist, NEW YORK STOCK EXCHANGE, 54-55, mgt. econ. res, 55-59, mgr. govt. res, 59-60, asst. dir. res. & statist, 57-60, assoc. dir, RES. DEPT, 60-65, DIR, 65-

Writer & consult, 50-62. Nat. Asn. Bus. Econ. U.S.A., 44-46, S/Sgt. Econ. Asn; Finance Asn. Public and corporate finance; taxation; securities markets; law; economics; credit; investments. Publ: Impact of excess profits tax of 1950; co-auth, How to succeed in figuremanship without having all the figures, Nat. Tax J, 3/65; Why the new NYSE common stock indexes?, Financial Analysts J, 5-6/67. Address: Research Department, New York Stock Exchange, 11 Wall St, New York, N.Y. 10005.

WEST, PROF. VINCENT I(RVING), b. Ashkum, Ill, June 29, 20; m. 43. AGRICULTURAL ECONOMICS. B.S. Illinois, 46, M.S. 47, Ph.D.(agr. econ), 51. Asst. AGR. ECON, ILLINOIS, URBANA, 46-48, 49-51, asst. prof, 51-57, assoc. prof, 57-59, PROF, 59- Statistician, U.S. Dept. Agr, 48; tech. instr, Bur. Census, 50. Consult, 54- U.S.A., 42-46, 2nd Lt. Statist. Asn; Agr. Econ. Asn; Economet. Soc. Empirical tests of methodology in demand analysis; statistical tests of quality standards; statistical evaluation of the impacts of price programs. Address: Dept. of Agricultural Economics, University of Illinois, Urbana, Ill. 61801.

WEST, PROF. W(ARREN) REED, b. Washington, D.C. Aug. 27, 94; m. 30; c. 1. POLITICAL SCIENCE. A.B. George Washington, 18; Ph.D.(hist), Hopkins, 22. Instr. polit. sci, GEORGE WASHINGTON, 22-26, asst. prof, 26-29, assoc. prof, 29-35, prof, 35-61, asst. dean sch. govt, 34-45, dean div. spec. students, 45-61, emer. prof. POLIT. SCI, 61-66, EMER. PROF. IN RESIDENCE, 66- Polit. Sci. Asn. Government; history. Publ: Contemporary French opinion on the American Civil War; American government; Federal government of the United States. Address: 5020 Sedgwick St, N.W, Washington, D.C. 20016.

WESTBROOK, DR. BERT WHITLEY, b. Newton Grove, N.C, Apr. 28, 32; m. 58; c. 1. PSYCHOLOGY, EDUCATION. A.B. High Point Col, 55; M.Ed, South Carolina, 61; Ed.D, Fla. State, 64. Teacher, high schs, N.C., 55-56; S.C., 59-61; res. asst. ed, Fla. State, 61-64; res. consult, N.C. State Dept. Pub. Instr, 64-66; ASST. PROF. PSYCHOL. & ED, N.C. STATE, 66- Participant, summer eval. workshop, Title I, Elem. & Sec. Ed. Act of 1965, 67; res. grant to develop & validate measures of voc. maturity, 67-70; Consult, Edgecombe County Pub. Schs, 66-; Kinston Graded Schs, N.C. & Regional Ed. Lab. of Carolinas & Va, Durham, N.C., 67- U.S.A., 56-58. Ed. Res. Asn; Nat. Coun. Measurement in Ed; Personnel & Guid. Asn; Voc. Ed. Res. Asn. The measurement of vocational maturity. Publ: Auth, The reliability and validity of a new measure of level of occupational aspiration, winter 66 & co-auth, Critical thinking, intelligence, and vocabulary, summer 67, Ed. & Psychol. Measurement; auth, The effect of test reporting on self-estimates of scholastic ability and on level of occupational aspiration, J. Ed. Res, 5-6/67. Address: Dept. of Psychology, 123 Tompkins Hall, North Carolina State University, Raleigh, N.C. 27607.

WESTBROOK, PROF. C(HARLES) HART, Ed. Psychol, see 10th ed, Soc. & Behav. Vols.

WESTBROOK, GERALD T, b. Saskatoon, Sask, Apr. 12, 33; m. 57; c. 3. ECONOMICS, ENGINEERING. B.Sc, Saskatchewan, 55; M.Sc, Minnesota, 60, M.A., 61. Process engr, Imp. Oil Ltd, 55-58; teaching asst. process design & econ, Midland Div, DOW CHEM. CO, 58-60, systs. engr, 60-62, sr. systs. engr, 62-65, mgr. syst. develop, 65-67, tech. asst. to gen. mgr, 67, PROJ. MGR, CHEM. DEPT, 67- Continuing lectr, Saginaw Valley Col, 64-; lectr, Wisconsin, 65. Inst. Mgt. Sci. Production planning; linear programming; simulation; long range planning; product management; venture analysis; critical path planning; organizational analysis and planning. Address: 6000 Sturgeon Creek Pkwy, Midland, Mich. 48640.

WESTBURG, DR. JOHN E, b. Des Moines, Iowa, Mar. 24, 18; m. 33; c. 3. POLITICAL SCIENCE. B.A. South Carolina, 49, M.A., 51; M.F.S., Southern California, 54, M.A. 56, Ph.D.(polit. sci), 58. Teaching asst. polit. sci, Southern California, 52-53; res. assoc, Nev. Legis. Counsel Bur, 54-56; instr. Eng. & polit. sci, Alabama, Birmingham Center, 56-57; assoc. prof. polit. sci, E.Cent. State Col, 57-58; Pan Am. Col, 58-60; exec. secy, San Diego Fedn. Teachers, 60-61; prof. pub. admin. & chmn. div, Bir Zeit Col, Jordan, 62-63; instr. econ, ST. AMBROSE COL, 64, asst. prof. Eng, 64-65, ASSOC. PROF. polit. sci, 65-67, ENG. & HIST, 67- Publisher, John Westburg & Assocs, 64- Ed, N.Am. Mentor Mag, 64-; Gen. Polit. Quart, 67-68; Davenport Cent. News, 68- U.S.A., 42-49, 1st Lt. Polit. Sci. Asn. Middle East, especially Greek and Islamic civilization; state and local government and administration; political theory; comparative literature. Publ: Constitutional reform for effective government in Nevada, 58, Politics the queenly art and the model constitution, 66 & Political mode of Anglo-Latino despotism 67, Gen. Polit. Quart. Address: Conesville, Iowa 52739.

WESTBURGH, DR. EDWARD M(ARTIN), b. Latvia, Mar. 22, 99; U.S. citizen; m. 26; c. 2. CLINICAL PSYCHOLOGY. B.S. Wesleyan, 22; Pennsylvania, 23-26; Ph.D.(psychol), Edinburgh, 32. Res. psychologist, dept. ment. diseases, PA. HOSP, 22-26, clin. & res. psychologist, 26-29, sr. psychologist, dept. ment. diseases, 29-32, chief psychol. serv, 32-56, CONSULT. PSYCHOLOGIST, 56- Instr. clin. psychol, med. sch, Pennsylvania, 36-; private practice. Pres. bd. trustees, Del. Valley Group Psychother. Training Inst, 60-67; mem. bd. dir, Leeds & Northrup Co. Am. Psychol. Asn; Am. Orthopsychiat. Asn; fel. Am. Asn. Ment. Deficiency; fel. Am. Group Psychother. Asn; fel. Brit. Psychol. Soc. Personality problems and psychotherapies; executive evaluation and development in industry. Publ: Introduction to clinical psychology, Blakiston's, 37. Address: 9 Kings Lane, Essex, Conn. 06426.

WESTBY, DR. DAVID L, b. Minneapolis, Minn, Sept. 24, 29; m. 54; c. 5. SOCIOLOGY. B.S. Wisconsin, 51; M.S. Minnesota, 57; Ph.D.(sociol), Mich. State, 62. Asst. prof. SOCIOL, Central Michigan, 60-61; PA. STATE, 61-66, ASSOC. PROF, 66- U.S.A., 53-56. Sociol. Asn. Sociological theory; political sociology; politics of community action programs; student political activism. Address: Dept. of Sociology, Pennsylvania State University, University Park, Pa. 16802.

WESTBY, PROF. F(RITHJOF), O(RVAL) M(ARTINUS), b. Aberdeen, S.Dak, June 6, 20; m. 47; c. 5. SOCIOLOGY. B.S., North State Col, 41; C.T., Luther Theol. Sem, 45, B.Th, 49; M.A., Minnesota, 53. ASSOC. PROF. SOCIOL,

- AUGUSTANA COL.(S.DAK), 47- Investr. pilot. proj. soc. work ed, Nat. Inst. Ment. Health, 66-69. U.S.N.R., 44-46. Sociol. Asn; Rural Sociol. Soc. Rural sociology; social psychology. Address: Dept. of Sociology, Augustana College, Sioux Falls, S.Dak. 57102.
- WESTBY-GIBSON, PROF. DOROTHY F(ENTON), b. Philadelphia, Pa, Jan. 26, 20; m. 40. SOCIOLOGY. A.B. Bucknell, 40; M.S. New Sch. Soc. Res, 42; Ed.D. California, 56. Assoc. dir. YWCA, Washington (Seattle), 42-45, assoc. sociol. univ., 44-45; assoc. dir. young adult dept. YWCA, San Francisco, 45-50; dir. family life ed. serv. adult ed. div. San Francisco Pub. Schs., 50-58; asst. prof. ED, SAN FRANCISCO STATE COL., 59-61, assoc. prof., 61-66, PROF., 66- Lectr. Starr King Sch. Ministry, 50; Lux Col., 53; exten. California, 55, 60, 66-; Col. San Mateo, 58-; dir. Nat. Defense Ed. Act summer insts. for teachers of disadvantaged youth, San Francisco State Col., 65 & 66; staff mem. proj. on inserv. ed, Far West Lab. Ed. Res. & Develop., 66-67; lectr. leadership training seminar in family life ed, Univ. West Indies, Trinidad, summer 67. Consult, U.S. Naval Command Schs, Treasure Island & Mare Island, 67- Fel. Sociol. Asn; Adult Ed. Asn; Ed. Res. Asn. Social and psychological foundations of education; secondary and adult education; group processes and leadership; family life education. Publ: Social perspectives on education: the society, the student, the school, Wiley, 65; Social foundations of education: current issues and research, Macmillan, 67; Inservice education: perspectives for educators, Far West Lab. Ed. Res. & Develop., 67. Address: 24 Addison St, San Francisco, Calif. 94131.
- WESTCOTT, DR. EDWIN RUSSELL, b. Ashtabula County, Ohio, Nov. 5, 18; m. 45; c. 4. AGRICULTURAL ECONOMICS. B.Sc. Ohio State, 50, Ph.D. (agr. econ), 60. Res. asst. farm mgt, Ohio State, 50-53 & 59-60; analyst qual. control, Electrometall. Co., 53-59; asst. res. prof. FARM MGT, RUTGERS, 60-65, ASSOC. RES. PROF., 65- U.S.N., 39-45. AAAS; Agr. Econ. Asn; Acct. Asn; Asn. Comput. Mach. Farm management; managerial accounting; computer applications for management and research. Address: Dept. of Farm Management, Rutgers, The State University, New Brunswick, N.J. 08903.
- WESTCOTT, DR. GEORGE W(ILLIAM), b. Woodbine, Iowa, Dec. 24, 01; m. 26; c. 1. ECONOMICS. B.S. Iowa State Col., 26, M.S. 32; Littauer fel, Harvard, 45-46, M.P.A., 46, D.P.A., 55. Instr. Iowa State Col., 30-31, asst. prof., 31-33; prof. & economist, Massachusetts, 36-62; int. agr. economist, for. econ. res. serv. U.S. Dept. Agr., 62-66; ECON. ADV. GOVT. EL SALVADOR, 66- Exchange prof, Hokkaido, 58-60; mem. Presidential Surv. Team, Brazil, 61-62. Nat. U.S. Dept. Agr.-Land Grant Col. Cmt. Ed. in Pub. Affairs, 34-39, Potential Agr. Prod. Capacity, 51-52; Regional U.S. Dept. Agr. Cmt. Post War Planning, 44-45; Farm Found. Cmt. Interrelationships between Agr. & Other Segments of Economy, 51-52; President's Inter-Agency Cmt. Land & Water Resources for New Eng.-N.Y. Region, 51-54; Int. Conf. Agr. Economists. State leader, Land Use Planning & Rural Policy Develop, Mass, 38-42; secy, Mass. Agr. Prod. Bd, 47-58. Am. Econ. Asn; Am. Agr. Econ. Asn; Japanese Agr. Econ. Soc. Publ: Co-auth, Rural planning of one country; auth, Discussion: agricultural data requirements in extension work, J. Farm Econ; Rural land planning from the state point of view, Am. Planning & Civic Annual. Address: 540 N. St. S.W., Apt. S-403, Washington, D.C. 20024.
- WESTCOTT, DR. MALCOLM R(OBERT), b. Scranton, Pa, July 25, 29; m. 54; c. 2. PSYCHOLOGY. A.B. Syracuse, 50; M.S. Pa. State, 51; Oxford, 54-55; Ph.D., Harvard, 58. Asst. PSYCHOL., lab. soc. rels, Harvard, 55-58; asst. prof. VASSAR COL., 58-62, assoc. prof., 62-68, PROF., 68- PRIN. INVESTR. U.S. OFF. ED. RES. CONTRACT, 59- Staff psychologist, Dutchess County Ment. Health Clin., 60-; vis. fel. Yale, 65-66. U.S.A.F., 51-54, 1st Lt. Psychol. Asn. Physiological studies of anxiety; classical conditioning of autonomic responses; experimental studies of intuition. Publ: Toward a contemporary psychology of intuition, Holt, 68; On the measurement of intuitive leaps, Psychol. Reports; co-auth, Cardiac conditioning: effects and implications of controlled and uncontrolled respiration, J. Exp. Psychol. Address: Dept. of Psychology, Vassar College, Poughkeepsie, N.Y. 12601.
- WESTCOTT, DR. REGINA H(ANSON), b. Pomona, Calif, Sept. 1, 86; m. 09; c. 2. PSYCHOLOGY. B.A. Occidental Col., 18; M.A. California, Berkeley, 21, Ed.D., 23; Paris; Oxford; Harvard. Dean women, Calif. State Col., Santa Barbara, 21-24; CONSULT. PSYCHOLOGIST & WRITER, 26- Spelman Rockefeller Found. fel., 27-29; psychologist, Health Dept, Wis., 49-51; dir. proj. family & community develop, Kankakee Sch. Dist., 65-67. Fel. Psychol. Asn; Adult Ed. Asn; Sociol. Asn; fel. Int. Coun. Psychol. Developmental psychology; evaluation psychotherapy; intentional communities. Publ: Does your child obey?; Family lives its religion; The modern family and the church. Address: 114 Descanso Ave, Ojai, Calif. 93023.
- WESTEBBE, RICHARD M(ANNING), Econ, see 10th ed, Soc. & Behav. Vols.
- WESTEFELD, DR. ALBERT, Econ, see 10th ed, Soc. & Behav. Vols.
- WESTER, DR. WILLIAM C(ARL), II, b. Muskegon, Mich, Sept. 9, 39; m. 64; c. 3. PSYCHOLOGY, EDUCATION. B.S. Xavier (Ohio), 61; M.A. Cincinnati, 62, Ed.D.(counseling), 65. Psychiat. attend, St. Charles Hosp, Toledo, Ohio, 59-60; intern psychologist, Longview State Hosp, Cincinnati, Ohio, 61-62; instr. PSYCHOL. OUR LADY OF CINCINNATI COL., 63-64, asst. prof., 64-65, assoc. prof., 65-66, PROF., 66-, CHMN. DEPT., 64- Psychologist, Longview State Hosp, 62-66, dir. ed. & counseling, 65-66; chief psychologist & sr. voc. consult, Jewish Voc. Serv, Ohio, 66-67. Voc. consult. soc. security admin, Dept. Health, Ed. & Welfare, 66-69. Assoc. dir. sound seminars, dir. psychol. center & v.pres, Behav. Sci. Assocs, 62- Psychol. Asn; Personnel & Guid. Asn; Nat. Voc. Guid. Asn. Psychopathology; organicity; religious assessment. Publ: Co-auth, Drawings by the emotionally disturbed: human figures, Edgecliff, 64; auth, Drawings by emotionally disturbed children, 67 & Perceptual motor functioning in children, 67, McCutchan. Address: Dept. of Psychology, Our Lady of Cincinnati College, Edgecliff, Walnut Hills, Cincinnati, Ohio 45206.
- WESTERFIELD, PROF. H(OLT) BRADFORD, b. Rome, Italy, Mar. 7, 28; U.S. citizen; m. 60. POLITICAL SCIENCE. B.A. Yale, 47; M.A. Harvard, 51, Sheldon traveling fel., 51-52, Ph.D.(govt), 52. Instr. govt, Harvard, 52-56; asst. prof. POLIT. SCI, Chicago, 56-57; YALE, 57-63, assoc. prof., 63-65, PROF., 65- Congressional intern fel, Am. Polit. Sci. Asn., 53-54; lectr., Salzburg Seminar Am. Studies, Austria, 58; res. assoc. Washington center for. policy res. sch. adv. int. studies, Hopkins, 65-66; vis. prof., Wesleyan, 67. Polit. Sci. Asn; Int. Studies Asn. American foreign relations and politics; comparative government; comparison of the policy-making process for foreign affairs in the United States, Britain and Australia. Publ: Foreign policy and party politics, Pearl Harbor to Korea; The instruments of America's foreign policy; Congress and closed politics in national security affairs, Orbis, autumn 66. Address: Dept. of Political Science, Yale University, New Haven, Conn. 06520.
- WESTERHOF, PROF. A(NTHONY) C(ORNELIUS), b. Holland, Mich, Jan. 7, 04; m. 35. PSYCHOLOGY. B.A. Calvin Col., 26; Harvard, 26-27; scholar. & M.A. Duke, 29, fel. & Ph.D., 35. Instr. PSYCHOL., Mercer, 35-36; Blue Ridge Col., 37-42; asst. prof. Marshall Col., 42-44; assoc. prof., Bowling Green State, 44-47; PROF. & HEAD DEPT., DRAKE, 47- Lectr., Chevy Chase Jr. Col., 40-41. AAAS; Psychol. Asn. Factors affecting Pavlovian conditioning; variables in affective responses and experience; integration of conflicting basic theories in contemporary psychology. Address: Drawer 520, Carlisle, Iowa 50047.
- WESTERLUND, PROF. BARTON ALFRED, b. Minneapolis, Minn, Mar. 11, 21; m. 43; c. 3. MARKETING, ECONOMIC DEVELOPMENT. B.B.A. Miami, 47, M.A., 49; Ph.D.(econ), Arkansas, 62. Salesman, Martin-Parry Corp., 47; asst. econ. sch. bus. admin, Miami, 47-49; asst. instr. mkt., 49, instr., 49-52, asst. prof., 52-56; consult, INST. RES. & EXTEN. CENTER, ARKANSAS, 57-59, asst. dir., 59-63, assoc. dir., 62-67, DIR., 67-, DIR. STATE TECH. SERV. PROG., 65-, PROF. MKT. COL. BUS. ADMIN., 62-, asst. prof., 57-59. Assoc. prof. sch. bus. admin, Miami, 56-60. Pres. Fla. Bus. Res. Inc., 52-58; partner, Westerlund & Wurst Mkt. Res., 51-58; exec. dir. Ozarks Unltd, Inc, 66-; consult, Assoc. Appraisers of Earning Capacity, 67- U.S.A., 42-45, Sgt. Econ. Asn; Mkt. Asn. Marketing; industrial development. Publ: Demand for glass containers in the Arkansas area; co-auth, Future market prospects of the independent poultry processor with special reference to Arkansas & Survey of winter tourist industry of Greater Miami. Address: Industrial Research & Extension Center, University of Arkansas, P.O. Box 3017, Little Rock, Ark. 72203.
- WESTFALL, PROF. RALPH L(IBBY), b. Ft. Collins, Colo, Dec. 21, 17; m. 46; c. 3. ECONOMICS. B.S. Colo. Agr. & Mech. Col., 39; M.B.A. Northwestern, 40, Ph.D.(mkt), 52. Asst. prof. MKT. NORTHWESTERN, 52-54, assoc. prof., 54-59, PROF., 59-, ASSOC. DEAN SCH. BUS., 65- U.S.A., 41-46, Col. Mkt. Asn; Econ. Asn. Sales management and application of social science concepts to marketing problems. Publ: Cases in marketing strategy; Readings in contemporary marketing; Cases in marketing management. Address: 2043 Ewing Ave, Evanston, Ill. 60201.
- WESTFIELD, PROF. FRED M, b. Essen, Germany, Nov. 7, 26; U.S. citizen. ECONOMICS. B.A. Vanderbilt, 50; Gen. Ed. Bd. fel, Mass. Inst. Tech., 50-51, univ. fells, 50-52, Ph.D.(indust. econ), 57. From teaching asst. to instr. ECON, Mass. Inst. Tech., 52-53; lectr. Northwestern, 53-57, asst. prof., 57-60, assoc. prof., 60-65; PROF. VANDERBILT, 65- Ford Found. faculty res. fel., 58-59; lectr. & res. participant, transportation center, Northwestern, 58-66; Nat. Sci. Found. res. grant, 67-69; summer mem. econ. inst. faculty, Colorado, 61, 63. Ord.C. A.U.S., 45-46. Econ. Asn; Economet. Soc. Economic analysis. Publ: Regulation and conspiracy, Am. Econ. Rev., 6/65; Practicing marginal cost pricing, J. Bus. Univ. Chicago, 1/66; Technical progress and returns to scale, Rev. Econ. & Statist., 11/66. Address: Dept. of Economics, Vanderbilt University, Nashville, Tenn. 37203.
- WESTHAGEN, PROF. M(ILTON) H(ORACE), b. Mt. Morris, Wis, June 12, 09. ECONOMICS. B.S. Northwestern, 33, M.S., 39, M.B.A., 41, Ph.D., 46. Assoc. prof. commerce, Munic. Cols. Chicago, 38-46; chief statistician & dir. res, Vet. Admin., 46-48; PROF. ECON. RIPON COL., 48- Asst. Inst. Land Econ. & Pub. Utilities, 39-41. Econ. adv. to Gov. N.Y., 44. Econ. Asn; Finance Asn; Tax Inst. Am. Obsolescence; a theory of the obsolescence of buildings. Address: Brandon, Wis. 53919.
- WESTIE, PROF. CHARLES M(ATT), b. Houghton, Mich, Nov. 27, 19; m. 41; c. 3. SOCIOLOGY. B.S. Cent. Mich. Col., 45; M.A. Ohio State, 49, Soc. Sci. Res. Coun. fel. & Ph.D.(sociol.), 53. Asst. prof. sociol. & continuing ed, Mich. State, 53-56; from asst. prof. to assoc. prof. SOCIOL., CENTRAL MICHIGAN, 56-67, PROF., 67- U.S.A., 43-46. AAAS; Sociol. Asn. Occupational sociology; social psychology; methodology; social stratification; self theory; alienation; sociology of the handicapped. Publ: Collab. Community in disaster; co-auth, Measurement of group dimensions, J. Psychol; Surveying voter opinion, Mich. Ed. J., 3/66. Address: Dept. of Sociology, Central Michigan University, Mt. Pleasant, Mich. 48858.
- WESTIE, PROF. FRANK R(OBERT), b. Houghton, Mich, Mar. 9, 21; m. 44; c. 3. SOCIOLOGY. B.S. Cent. Mich. Col., 47; Ph.D. Ohio State, 51. Instr. INDIANA, 49-53, asst. prof. SOCIOL., 53-58, from assoc. prof. to PROF., 58- Soc. Sci. Res. Coun. faculty fel., 55-58. U.S.A.F., 42-45. Attitude measurement; intergroup relations; social stratification; social anthropology and psychology. Publ: Toward closer relations between theory and research, Am. Sociol. Rev.; Autonomic responses and their relationship to attitudes, J. Abnorm. & Soc. Psychol.; Race and ethnic relations, In: Handbook of modern sociology, Rand, 64. Address: Dept. of Sociology, Indiana University, Bloomington, Ind. 47401.
- WESTING, PROF. J(OHN) H(OWARD), b. New Era, Mich, Aug. 5, 11; m. 39; c. 2. BUSINESS ADMINISTRATION. B.A. Calvin Col., 32; M.B.A. Michigan, 35, Ph.D., 42. Asst. mgr. raw sugar & customs div. Am. Sugar Refining Co., 35-38; instr. mkt. Michigan, 38-41; assoc. dir. food rationing div, Off. Price Admin., 41-42; dir. food allocations div, For. Econ. Admin., 43-45; bus. practices div, U.S. Dept. Commerce, 45-46; assoc. prof. mkt. Michigan, 46-49; PROF. COMMERCE, WISCONSIN, 49- U.S.N.R., 42-43, Lt. Econ. Asn; Mkt. Asn. Marketing research methods; pricing; product innovations. Publ: Co-auth, Industrial purchasing; Marketing management; Modern marketing thought, Macmillan, 64. Address: 1107 Wellesley Rd, Madison, Wis. 53705.

WESTLEY, PROF. BRUCE H(UTCHINSON), b. Cooperstown, N.Dak, May 26, 15; m. 45; c. 5. JOURNALISM, COMMUNICATIONS. Ph.B, North Dakota, 38; M.S. Columbia, 41; Harvard, 43; Michigan, 51-54. Reporter, LaMoure Chronicle, N.Dak, 33-34; news ed, Cavalier County Republican, Langdon, 38-40; reporter, Providence J. R.I. 41-42; instr. JOURNALISM, WISCONSIN, 46-47, asst. prof, 47-55, assoc. prof, 55-64, PROF, 64- Lectr, Center Adv. Study Mass Commun, Quito, Ecuador, 65; prin. investr, Res. & Develop. Center Cognitive Learning, 65-67; vis. prof, Minnesota, 67. Assoc. ed, Journalism Quart, 63-; ed, Journalism Monogr, 66- U.S.A, 42-46. Asn. Ed. in Journalism; Psychol. Asn. Process and effects of mass communication. Publ: News editing, Houghton; co-auth, The dynamics of planned change, Harcourt; contrib, Introduction to mass communications research, La.State Univ. Address: 1105 Harrison St, Madison, Wis. 53711.

WESTLEY, PROF. WILLIAM A, b. Chester, Pa, May 17, 20; m. 43; c. 3. SOCIOLOGY. Ph.D, Chicago, 51. PROF. SOCIOL, MCGILL, 51-, DIR. INDUST. RELS. CENTER, 66-, chmn. dept. sociol, 51-66. Consult, Defense Res. Bd, Can, 51. U.S.A, 42-46, 1st Lt. Sociol. Asn; Can. Polit. Sci. Asn; fel. Royal Soc. Arts. Social organization of the police; family organization and mental health. Publ: The families of emotionally healthy adolescents, In: The family in contemporary society; The psycho social organizations of the family and mental health, In: Decisions, values and groups; The police: a sociological study of law, custom and morality, In: Research contributions to urban sociology. Address: Dept. of Sociology, McGill University, Montreal, Que, Can.

WESTMAN, DR. WESLEY CHARLES, b. Schuyler, Nebr, Feb. 19, 36; m. 58; c. 2. PSYCHOLOGY. B.A, Virginia, 61; Col. William & Mary, 61-62; M.A, Wisconsin, 63, Ph.D.(counseling, behav. studies), 65; summer fel, West. Behav. Sci. Inst, 64. Planning dir, rehab. Res. & Training Center, W.Va. 65-66; DIR, STATEWIDE PLANNING PROJ, CONN. DIV. VOC. REHAB, 66-Mem. adj. faculty, Hartford, 67; Connecticut, Hartford, summer 67. Am. Rehab. Counseling Asn; Nat. Rehab. Asn; Psychol. Asn. Process research in psychotherapy; planning for services to disabled people and research and training within a public agency; relationship between perceptual and motor impairment and the learning process and the use of computer assisted instruction in compensatory educational processes programmed with such impairment as the base. Publ: Attitudinal barriers to rehabilitation, J. Rehab, (in press). Address: 9 Lowell Rd, West Hartford, Conn. 06119.

WESTMEYER, PROF. R(USSELL) E(UGENE), b. Peoria, Ill, Aug. 21, 01; m. 31; c. 1. BUSINESS ADMINISTRATION, ECONOMICS. B.S. Iowa, 27. M.A, 28, Ph.D.(commerce), 30. Instr, Rice Inst, 30-46; PROF. BUS. ADMIN, ARKANSAS, 46- Econ. Asn; Soc. Traffic & Transportation. Transportation and traffic management. Publ: Modern economic and social systems, Economics of transportation; Transportation and industry in Arkansas, Indust. Res. & Exten. Center, Univ. Arkansas, 56. Address: College of Business Administration, University of Arkansas, Fayetteville, Ark. 72701.

WESTMEYER, DR. TROY RUDOLPH, b. Toledo, Ohio, Oct. 25, 16; m. 42; c. 2. PUBLIC ADMINISTRATION. B.Ed, Toledo, 40; M.S. Denver, 44; Ph.D.(pub. admin), N.Y. Univ, 63. Lectr. PUB. ADMIN, GRAD. SCH. PUB. ADMIN, N.Y. UNIV, 58-63, PROF, 63-, ASSOC. DEAN, 66-, asst. dean, 64-66. Govt. Res. Asn.(secy-treas, 59-). Address: New York University Graduate School of Public Administration, 4 Washington Square N, New York, N.Y. 10003.

WESTOFF, PROF. CHARLES F(RANCIS), b. New York, N.Y, July 23, 27; m. 48; c. 2. SOCIOLOGY, DEMOGRAPHY. A.B, Syracuse, 49, M.A, 50; Milbank fel, Pennsylvania, 50, Ph.D.(sociol), 53. Instr. sociol, Pennsylvania, 50-52, res. assoc, 51-52; Milbank Mem. Fund, 52-55; Princeton, 55-59; assoc. prof. sociol. & chmn. dept. sociol. & anthropol, Wash. Square Col, N.Y. Univ, 59-62; PROF. SOCIOL. & ASSOC. DIR. OFF. POP. RES, PRINCETON, 62-, CHMN. DEPT. SOCIOL, 65- Co-dir, Nat. Fertil. Study, 65. U.S.N.R, 44-45. Sociol. Asn; Statist. Asn; Pop. Asn; Eugenics Soc; Int. Union Sci. Study of Pop. Population; survey research; methodology. Publ: Co-auth, Family growth in metropolitan America; The third child, 63 & College women and fertility values, 67, Princeton. Address: Office of Population Research, Princeton University, 5 Ivy Lane, Princeton, N.J. 08540.

WESTON, DR. DONALD L(ESLIE), b. Kalamazoo, Mich, July 25, 31; m. 58; c. 2. CLINICAL PSYCHOLOGY. A.B, Michigan, 53; M.A, Boston, 54, Ph.D, 58. Trainee clin. psychol, Boston State Hosp, 54-55; intern, Judge Baker Guid. Center, 55-56, psychologist, 56-58; instr, Harvard Med. Sch, 58-59; med. center, Colorado, 59-60; asst. prof. med. psychol, psychiat. inst, sch. med, Maryland, 60-63; sr. instr. psychiat. & pediat, sch. med, Rochester, 63-64; chief psychologist, Md. Inst. Children, 64-65; field eval. officer & training staff psychologist, Vols. in Serv. to Am. Off. Econ. Opportunity, 65-67; chief psychologist, Dammasch State Hosp, 67-68; PROG. DIR, NORTHWEST ORE. MENT. HEALTH CENTER, 68- Assoc. psychologist, Mass. Gen. Hosp, 57-59; vis. lectr, Colorado, 59; mem. staff, dept. pediat. & psychol, sch. med, Hopkins, 64-65; asst. prof, sch. soc. work, Maryland, 65-67; instr, Portland State Col, 68- Consult, Mass. Presch. Retarded Children's Prog, 58-59; Lowry Air Force Base, 58-59. Psychol. Asn. Child psychology; psychodiagnosis of children and parents; psychoanalytically oriented psychotherapy of children's emotional disturbances and parents; treatment of children in treatment camp, residential or inpatient settings; teaching child physical and emotional development; projective techniques with children. Publ: Co-auth, The pre-school child's response to death of infant siblings, Am. Med. Asn. J. Diseases Children, 64; auth, The functions of visiting in a children's residential treatment center, Am. Asn. Residential Treatment Centers, 65; Psychoanalytic concepts in evaluation of mentally retarded children, Ment. Retardation, 65. Address: Northwest Oregon Mental Health Center, 13777 S.W. Farmington Rd, Beaverton, Ore. 97005.

WESTON, DR. EDWARD T(HOMAS), Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

WESTON, PROF. JANET LOUISE, b. Champaign, Ill, Nov. 2, 05. ECONOMICS. B.A, Illinois, 27, M.A, 28; Victor fel, Stanford, 28-30, Ph.D.(econ), 30. Asst. statistician, U.S. Dept. Commerce, 30; Fed. Reserve Bd, 31; asst. economist, U.S. Dept. Agr, 31-34; from instr. to ASSOC. PROF. ECON, ILLINOIS, 34-, student counsr, 42-45, asst. acad. dean, 47-50. Econ. Asn; Finance Asn. Money and banking; business economics; economic history. Address: 508 W. Park Ave, Champaign, Ill. 61820.

WESTON, PROF. J(OHN) FRED(ERICK), b. Ft. Wayne, Ind, Feb. 6, 16. FINANCE. A.B, Chicago, 37, M.B.A, 42, Ph.D, 48. Asst. Chicago, 40-43, lectr, 45-46, asst. prof, 47-49; lectr. FINANCE, CALIFORNIA, LOS ANGELES, 49-50, assoc. prof, 50-55, PROF, 55- Econ. Asn; Finance Asn; Economet. Soc. Profit theory; capital theory; factors influencing business investment decisions. Publ: Role of mergers in the growth of large firms; Managerial finance, Holt, 67; Profit theory and concept, J. Polit. Econ. Address: School of Business Administration, University of California, Los Angeles, Calif. 90024.

WESTON, DR. JOHN R(ICHARD), b. Toronto, Ont, Nov. 28, 36; m. 62; c. 1. COMMUNICATIONS. B.S.A, Toronto, 61; Can. Coun. fel, 66-67; Ph.D. (commun), Mich. State, 67. Res. asst. commun, Mich. State, 63-66, asst. instr, 66-67; ASST. PROF. ADMIN, WICHITA STATE, 67- Nat. Soc. Study Commun. Communication behavior; attitude formation and change; information measurement, transmission and cognitive reorganization. Publ: Co-auth, Argumentative themes in civil defense: II, an analysis of OCD respondents to a selected series of argumentative themes, Mich. State Univ, 65. Address: 2759 N. Fairmount, Wichita, Kans. 67220.

WESTON, PROF. PAUL B(RENDAN), b. Dobbs Ferry, N.Y, July 23, 10; m. 36; c. 1. CRIMINOLOGY. B.A, Sacramento State Col, 62, M.A, 63. From Sgt. to capt, New York City Police Dept, 36-48, from dep. inspector to dep. chief inspector, 48-58; ASSOC. PROF. POLICE SCI. & DIR. DEPT, SACRAMENTO STATE COL, 59- Consult, mgt. & criminol, Calif. Disaster Off, 59-61; security & police serv, Calif. State Police, 62-63; mgt. & security, Calif. Dept. Ment. Hyg, 63-; police orgn. & criminol, Ernst & Ernst, 64- U.S.N.R, 43-46. Soc. Criminol; Int. Asn. Chiefs Police. Attitudes of criminal offenders toward occupations in the administration of justice; agencies, processes, and personnel in the administration of justice area of government; police weapons systems; police training; legal significance of evidence in various criminal proceedings. Publ: The police traffic control function, C.C. Thomas, 66; co-auth, The administration of justice, Prentice-Hall, 67. Address: Dept. of Police Science, Sacramento State College, 6000 Jay St, Sacramento, Calif. 95819.

WESTOVER, PROF. FREDERICK L(OWELL), b. Youngstown, Ohio, Feb. 1, 00; m. 28; c. 1. EDUCATIONAL PSYCHOLOGY. A.B, Hiram Col, 23; M.A, Columbia, 31, Ph.D.(ed), 44. Student personnel counsr. & instr, Brooklyn Col, 35-47; assoc. prof. ED. PSYCHOL. & dir. reading lab, ALABAMA, 47-59, PROF, 59- Vis. prof, New Paltz State Teachers Col, 45-46. Consult, schs, Ala. Treas. Cmt. Diag. Reading Tests, 48- Psychol. Asn; Ed. Res. Asn. Remedial teaching; mental hygiene. Publ: Controlled eye movements versus practice exercises in reading; co-auth, Diagnostic reading tests, Cmt. Diag. Reading Tests, 48- Address: 36 Freemont Dr, Tuscaloosa, Ala. 35401.

WESTPHAL, DR. ALBERT C. F, b. Dumont, N.J, June 25, 08. POLITICAL SCIENCE. A.B, Columbia, 29, A.M, 30, Soc. Sci. Res. Coun. fel, 37-38, Ph.D, 42; cert, Acad. Int. Law, The Hague. Instr, City Col. New York, 31-47; assoc. prof. polit. sci, New Mexico, 47-51; STAFF CONSULT, HOUSE CMT. FOR AFFAIRS, 51- Carnegie grant-in-aid, 39; dir. studies, Nat. War Col, 49, 50. Mem. Coun. For. Relis. U.S.N.R, 41-46, Capt. Polit. Sci. Asn; Soc. Int. Law. American foreign policy; international relations. Publ: House Committee on Foreign Affairs. Address: 4010 Warren St. N.W, Washington, D.C. 20016.

WESTRAT, DR. J(OHN) LEE, b. Muscatine, Iowa, July 10, 22; m. 44; c. 1. POLITICAL SCIENCE, MATHEMATICS. A.B, Ill. Col, 44; M.A, Chicago, 49, Ph.D.(polit. sci), 63. Asst. prof. polit. sci, Omaha, 49-54; chief. res. counterint, U.S. Air Force, 54-58; mem. staff & res. dir, President's Cmt. on Am. Armed Forces Mus, 58-59; chief govt. rels, Outdoor Recreation Resources Rev. Cmn, 59-60; tech. asst, Off. Spec. Asst. to President for Sci. & Tech, 60-62; SR. MGT. ANALYST FOR SCI. TECH. & ED, U.S. BUR. BUDGET, 62- Vis. prof, Southern California, 63; prof. lectr, George Washington, 63-; vis. prof, Oklahoma, 66- Sci. & pub. policy consult, Govt. of India, 67. Exec. secy. standing cmt, Fed. Coun. Sci. & Tech, 60-62. U.S.A.F, 43-46, 51-53, Res, 53-, Lt. Col. AAAS; Polit. Sci. Asn. Public administration and personnel management, especially organization and management of national science and education programs. Publ: European military museums: a survey of their philosophy, facilities, programs and management; Science policy formulation: the role of the legislator, J-Inst. Constitutional & Parliamentary Studies, India, 3/68. Address: 6638 32nd St, N, Arlington, Va. 22213.

WETHERINGTON, DR. RONALD K, b. St. Petersburg, Fla, Nov. 27, 35; m. 58; c. 2. ANTHROPOLOGY. B.A, Texas Tech, 58; M.A, Michigan, 60, Ph.D.(anthropol), 64. ASSOC. PROF. ANTHROP, SOUTHERN METHODIST, 64- U.S.A.F, 60-64, 1st Lt. AAAS; Soc. Am. Archaeol; Asn. Phys. Anthropol. Skeletal growth and development in man; prehistory of the pueblo southwest and Mexico; human ecology and evolutionary theory. Publ: The nature of man, Brown, W.C, 67; Excavations at Pot Creek Pueblo, Monogr, Ft. Burgwin Res. Center & Southern Methodist Univ, 68; A rare feature of Pueblo architecture in Taos, New Mexico, El Palacio, Fall, 66. Address: Dept. of Anthropology, Southern Methodist University, Dallas, Tex. 75222.

WETMORE, JOHN MARSHALL, b. Wichita, Kans, Feb. 16, 27; m. 52; c. 4. ECONOMICS. A.B, Kansas, 48, M.A, 50; fel, Harvard, 53-55; fel, Minnesota, 55-58. Instr. econ, North Dakota, 50-51; agr. economist, Fed. Reserve Bank Chicago, 58-63; economist, Fed. Home Loan Bank Chicago, 63-67; DIR. RES. MORTGAGE BANKERS ASN. AM, D.C, 67- Econ. Asn; Statist. Asn; Finance Asn; Agr. Econ. Asn. Monetary theory; finance; housing; price theory; market organization and structure; agricultural policy. Publ: Co-auth, Policies for expanding the demand for farm food prod-

ducts in the United States: history and potentials. Address: 5305 Bradley Blvd, Bethesda, Md. 20014.

WETZEL, PROF. HAROLD E(DWIN), b. Dayton, Ohio, Oct. 2, 99. SOCIAL SCIENCE. B.S. Ohio State, 34, A.M. 37. Instr. sociol. Ohio State, 37-44; PROF. SOC. WORK & HEAD DEPT, KENTUCKY, 44- Mem. Coun. Soc. Work Ed. Pub. Welfare Asn. Public welfare; public housing; care of the aged. Address: Dept. of Social Work, University of Kentucky, 226 TEB, Lexington, Ky. 40506.

WETZEL, DR. RALPH, b. Tacoma, Wash. June 11, 33; m. 57; c. 2. PSYCHOLOGY. B.S. Washington (Seattle), 55, M.S. 58, Ph.D.(psychol), 61. Dir. child develop. clin. & asst. prof. Washington (Seattle), 61-62; asst. prof. PSYCHOL, ARIZONA, 62-65, ASSOC. 65-, ASSOC. DIR. RES. & DEVELOP. CENTER EARLY CHILDHOOD ED, 67- Consult. South. Ariz. Ment. Health Center, 63-; Ariz. State Hosp, 64-65; Ariz. Children's Home, 65-66; Tucson Child Guid. Clin, 66. AAAS; Psychol. Asn. Experimental analysis of child behavior with special reference to field research. Publ: Outpatient treatment of autistic behavior, Behav. Res. & Ther, 4; 169-177; Use of behavioral techniques in a case of compulsive stealing, J. Consult. Psychol, 30: 367-374; co-auth. Behavior modification techniques: new tools for probation officers, Fed. Probation, 6/67. Address: Dept. of Psychology, University of Arizona, Tucson, Ariz. 85721.

WEVER, PROF. E(RNEST) G(LEN), b. Benton, Ill, Oct. 16, 02; m. 28. PSYCHOLOGY. A.B. Ill. Col, 22; A.M. Harvard, 24, Ph.D.(psychol), 26. Instr. PSYCHOL, California, 26-27; PRINCETON, 27-29, asst. prof, 29-31, assoc. prof, 31-41, HIGGINS PROF, 41- Mem. prog-profs cmt. B. Nat. Inst. Neurol. Diseases & Blindness, 67- Warren prize, Soc. Exp. Psychol, 31; gold medal & award, Am. Otol. Soc, 59. Nat. Acad; Acoustical Soc. Audition; experimental and physiological psychology. Publ: Theory of hearing; co-auth. Physiological acoustics. Address: Dept. of Psychology, 1314 Green Bldg, Princeton University, Princeton, N.J. 08540.

WEKLER, DR. SAMUEL, b. Chicago, Ill, Jan. 7, 17; m. 42; c. 2. CLINICAL PSYCHOLOGY. B.S. Illinois, 40, M.S. 41; Ph.D.(clin. psychol), Purdue, 53. Chief, counseling serv. & staff psychologist, Vet. Admin. Hosp, 53-62; chief psychologist, DIV. MENT. HEALTH, CHICAGO BD. HEALTH, 62-68, CO-DIR, 68- Private practice, 55- Instr. Northeast. Ill. State Col, 62-; asst. prof. col. med, Illinois, 63-; lectr. Northwestern, 66- U.S.A. 42-46, Capt. Psychol. Asn. Psychotherapy; psychodiagnostics; rehabilitation. Publ: Psychological study of obesity in children, Am. J. Diseases of Children. Address: 234 Lee St, Evanston, Ill. 60202.

WEYANT, DR. ROBERT GEORGE, b. Jersey City, N.J., July 27, 33; m. 55; c. 2. EXPERIMENTAL PSYCHOLOGY. A.B. Lafayette Col, 55; M.A. Kent State, 57; Nat. Sci. Found. fel, Iowa, 59-60, Ph.D.(exp. psychol), 60. Asst. prof. PSYCHOL, St. Lawrence, 60-64, ASSOC. PROF, 64-65; CALGARY, 65-, V.DEAN FACULTY ARTS & SCI, 67- Nat. Res. Coun. res. grants, 65- AAAS; Am. Psychol. Asn; Can. Psychol. Asn; Animal Behav. Soc; Hist. Sci. Soc. Learning and motivation, particularly stimulus and sensory aspects; history of psychology. Publ: Difficulty of a discrimination as a determinant of subsequent generalization along another dimension, J. Exp. Psychol; Reversal learning in rats as a function of the type of discrimination and the criterion of learning, Animal Behav, 66; Relevant and irrelevant cues in spatial reversal learning, J. Psychol, 68. Address: Dept. of Psychology, University of Calgary, Calgary, Alta, Can.

WEYBREW, DR. BENJAMIN B(RUNNER), b. Wamego, Kans, Mar. 23, 20; m. 47. PSYCHOLOGY. B.A. Kansas, 47; California, Los Angeles, 50-52; Ph.D.(psychol), Colorado, 55. Res. psychologist, U.S. NAVAL MED. RES. LAB, NEW LONDON, 51-54, HEAD PERSONNEL RES. BR, 55- Res. assoc. Inst. Naval Studies, 65-66. Consult. Conn. State Hosp, 63- U.S.N. 41-45. Fel. Psychol. Asn. Psychophysiology of autonomic nervous system; test and measurement theory; factor analysis; submariner selection. Publ: The effectiveness of Navy incentive programs, Inst. Naval Studies Res. Contrib. 15, 66; Patterns of psychophysiological response to military stress, In: Psychological stress, Appleton, 67; co-auth. Psychophysiological changes associated with smoking deprivation, U.S. Navy Submarine Med. Center Report 490, 67. Address: 174 Shore Rd, Waterford, Conn. 06385.

WEYER, DR. EDWARD M(OFFAT), JR, b. Washington, Pa, July 12, 04; m. 35; c. 3. ANTHROPOLOGY, GEOGRAPHY. B.S. Washington & Jefferson Col, 25; Ph.D.(anthrop), Yale, 30. Fel. geog. Yale, 30-31; prof. anthrop. & geog. Washington & Jefferson Col, 31-32; ed. Nat. Hist. Mag, 35-57; in charge mus. anthrop. & lectr. California, 58; consult. U.S. Cmn. Civil Rights, 59; dir. Sch. Am. Res, 60-64; ed-in-chief, N.Y. Acad. Sci, 65-67; RETIRED. Archaeol. asst. Metrop. Mus. Art, Luxor, Egypt, 25-26. Field anthropologist, Stoll-MacCracken Arctic Exped, Am. Mus. Natural Hist, 28; Peary Mem. Exped, N.Greenland, 32; anthrop. exped. Mato Grosso, Brazil, 53; Chiapas, 56. Am. Geog. Soc; Soc. Am. Archaeol; Arctic Inst. N.Am. Archaeological material from Hot Springs, Alaska; effects of latitude and season on sunlight and moonlight; two-star position finding. Publ: Jungle Quest; Primitive peoples today; The Eskimos. Address: Grove Beach Rd, Westbrook, Conn. 06498.

WEYFORTH, PROF. WILLIAM O(SWALD), Polit. Econ, see 10th ed, Soc. & Behav. Vols.

WEYL, NATHANIEL, Hist, Econ, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WEYRAUCH, PROF. WALTER OTTO, Law, see 5th ed, Dir.Am. Scholars, Vol. IV, Philos, Relig. & Law.

WHALEN, DR. EDWARD LEONARD, b. Terre Haute, Ind, Nov. 24, 36; m. 59; c. 2. ECONOMICS. A.B. Indiana, 58; A.M. Princeton, 60, Ph.D.(econ), 64. Lectr. ECON, INDIANA, 61-64, asst. prof, 64-67, ASSOC. PROF, 67- Consult. off. prog. coord. U.S. Agency Int. Develop, 64-66; off. prog. eval, U.S. Bur. Budget, 66- Qm.C. U.S.A. 58-60, Capt. Econ. Asn; Statist. Asn; Finance Asn. Monetary theory and policy. Publ: A cross-section study of business demand for cash, J. Finance, 9/65; A rationalization of the pre-

cautionary demand for cash, Quart. J. Econ, 5/66. Address: Dept. of Economics, Indiana University, Bloomington, Ind. 47401.

WHALEN, PROF. HUGH J(OSEPH), b. Bathurst, N.B, July 8, 25. POLITICAL SCIENCE. B.A. New Brunswick, 49; M.A. Alberta, 51, fel, 51-52; London Sch. Econ, 52-54. Asst. prof. POLIT. SCI, New Brunswick, 54-58, assoc. prof, 58-63; prof, Toronto, 63-67; PROF. & CHMN. DEPT, MEMORIAL UNIV, 67- Mem. Can. Soc. Sci. Res. Coun, 59-; adv. cmt. Resources Tomorrow Conf, 59-61; chmn, Royal Cmn. N.B, Potato Indust, 60-62. Am. Polit. Sci. Asn; Can. Econ. Asn. Public administration; social and economic policy and programs; natural resources problems; intergovernmental relations in Canada. Publ: Mr. Keith Lucas on Gneist and Redlich: a reply, Can. J. Econ. & Polit. Sci; The development of local government in New Brunswick, Queen's Printer, 63; The perils of polling, In: Politics: Canada, McGraw, 2nd ed, 66. Address: Dept. of Political Science, Memorial University of Newfoundland, St. Johns, Newf, Can.

WHALEN, DR. JAMES JOSEPH, b. Pottsville, Pa, Mar. 6, 27; m. 56. CLINICAL PSYCHOLOGY. A.B. Franklin & Marshall Col, 50; univ. scholar, Pa. State, 50-52, M.S. 52, Vet. Admin. scholar, 52-55, Ph.D.(clin. psychol), 55. Psychol. intern, Vet. Admin. Hosp, Roanoke, Va, 52-53, Wilkes Barre, Pa, 54-55, staff psychologist, Pittsburgh, 55-56, supvr. psychologist, 56-58; lectr. psychol, European Div. & dir. psychol. serv, Munich Campus, Maryland, 58-64, asst. dir, European div. & dir, France & Spain, 62-64; ASSOC. PROF. PSYCHOL, OHIO, 64-, EXEC. V.PRES, 68-, dir. center psychol. serv, 64-65, dean students, 65-66, v.pres, 66-67, v.pres. admin. affairs, 67. Chief grad. res. counsr, Pa. State, 53-55, asst. & lectr, 55, asst. prof, exten, 58-58. U.S.N.R. 45-46. Psychol. Asn. Psychotherapy and analysis; teaching methodology; social perception and judgement; university administration. Publ: Investigation of the influence of certain factors on individual differences in prediction behavior. Address: 35 Park Place, Athens, Ohio 45701.

WHALEN, DR. RICHARD E, b. Holyoke, Mass, Mar. 29, 34; m. 64. PSYCHOBIOLOGY. A.B. Brown, 56; M.S. Yale, 57, Ph.D.(psychol), 60. U.S. Pub. Health Serv. fel. psychol, clin. neuropharmacol. res. center, St. Elizabeths Hosp, Wash, D.C, 59-61; asst. prof, California, Los Angeles, 61-65; ASSOC. PROF. PSYCHOBIOLOG, CALIFORNIA, IRVINE, 65- Animal Behav. Soc; Soc. Study Reproduction; N.Y. Acad. Sci. Animal sexual behavior; hormones and behavior; neural control of animal behavior. Publ: Co-auth. Brain and behavior III: brain and gonadal function, Univ. California, 66; auth. Sexual motivation, Psychol. Rev, 66; co-auth. Hormonal determinants of development of masculine and feminine behavior, Anat. Record, 67. Address: Dept. of Psychobiology, University of California, Irvine, Calif. 92664.

WHALEY, PROF. FRANCIS L, b. Mt. Morris, Mich, Dec. 7, 22; m. 49; c. 3. PSYCHOLOGY. A.B. Michigan, 48, M.A. 50, Ph.D. 54. Asst. prof. PSYCHOL, PA. STATE, 53-57, ASSOC. PROF, 57- U.S.A. 43-48. Psychol. Asn; Soc. Res. Child Develop. Developmental psychology; human learning. Address: Dept. of Psychology, Pennsylvania State University, University Park, Pa. 16802.

WHALIN, DR. OREN L(ESLIE), Agr. Econ, see 10th ed, Soc. & Behav. Vols. Latest known address: 612 W. Washington St, Urbana, Ill. 61801.

WHALLEY, PROF. ELSA ADELAIDE, b. Chicago, Ill, Mar. 19, 19; div. SOCIAL, CLINICAL & EDUCATIONAL PSYCHOLOGY. B.S. Chicago, 37, M.S. 41, Ph.D.(psychol), 55. Rehab. counsr, Queens Tuberc. Sanatorium, Md, 41-45; dir. burr. psychol. serv, Tulane, 45-50; instr. psychol. Illinois, 51-53; Univ. Chicago fel, Frankfurt, 53-54; res. psychologist, Soc. Res. Inc, Ill, 54-56; asst. prof. psychol, San Diego State Col, 56-57; asst. prof. human rels, N.Y. Univ, 58-62; fel, Center Sci. Study Suicide, 62-63; consult. Nat. Coun. Churches, 60-65; ASSOC. PROF. PSYCHOL, FAIRLEIGH DICKINSON, 65- Res. dir, League Parent Ed, 58-60. AAAS; Psychol. Asn; Acad. Relig. & Ment. Health. Cognitive processes, especially values, life-philosophies; group processes; attitude change; self-destructive behavior. Publ: Impact of group discussions on parent attitudes, N.Y. Univ, 61; Comparative values, life-goals and work-goals: ministers, teachers, congregants, youth, In: National Presbyterian educational survey, 66; Values and value-conflict in self-destructive behavior, In: Essays in self destruction, Sci. House, 67. Address: 218 E. 17th St, New York, N.Y. 10003.

WHALLEY, DR. SHERMAN L(EROY), Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

WHALLON, DR. ROBERT, JR, b. Boston, Mass, Apr. 23, 40; m. 62; c. 1. ANTHROPOLOGY, ARCHAEOLOGY. B.A. Harvard, 61, Nat. Defense Ed. Act fel, Chicago, 61-65, M.A. 63, Woodrow Wilson Found. fel, 65-66, Ph.D. (anthrop), 66. ASST. PROF. ANTHROP, MICHIGAN & CURATOR MEDITERRANEAN PREHIST, UNIV. MUS. ANTHROP, 66- Summers, Nat. Sci. Found. fel, 66 & res. grant, 67. Anthropol. Asn; Soc. Am. Archaeol; Archaeol. Inst. Am. Prehistory of the eastern United States, Europe and the Near East; archaeological methodology. Publ: Co-auth. Archaeology at Hatchery West, Carlyle, Illinois, Southern Illinois Univ. Mus, 66; auth. Investigations of late prehistoric social organization in New York State, In: New perspectives in archaeology, Aldine, (in press); The systematic collection and analysis of surface materials from a prehistoric site in southeastern Turkey, Türk Tarih Kurumu Belleten, (in prep). Address: 1704 Baldwin Place, Ann Arbor, Mich. 48104.

WHARTENBY, DR. FRANKLEE GILBERT, b. Prattville, Ala, Oct. 5, 26; m. 58; c. 4. ECONOMICS. A.B. Ala. Col. 47; M.S. North Carolina, 54, Earhart Found. fel, 56-57, Soc. Sci. Res. Coun. fel, 57-58, Ph.D.(econ), 63. Statistician, Ala. Dept. Indust. Rels, 48-51; N.C. Dept. Labor, 52-53; res. asst. fisheries indust, Univ. North Carolina, 54-55, res. assoc. urban develop, 58-59; asst. prof. ECON, Auburn, 66-68; lectr. SOUTH FLORIDA, 68- Statist. Asn. Statistical and economic study of development of agricultural productivity on the early nineteenth century. Publ: Co-auth. A theory of the responsiveness of hours of work to changes in wage rates, Rev. Econ. & Statist, 5/58 & The growth of output before 1840, Studies in Income and Wealth, 60. Address: Dept. of Economics, University of South Florida, Tampa, Fla. 33620.

WHARTON, DR. CLIFTON REGINALD, JR., b. Boston, Mass., Sept. 13, 26; m. 50; c. 2. ECONOMICS. B.A., Harvard, 47; M.A., Hopkins, 48; M.A., Chicago, 56, Ph.D.(econ), 58. Exec. trainee, Am. Int. Assn. Econ. & Soc. Develop., 48-49, prog. analyst, 49-51, head reports & anal., 51-53; res. asst. econ, Chicago, 53-56, res. assoc., 56-57; exec. assoc., AGR. DEVELOP. COUN., INC., 57-58, assoc., Singapore region, 58-64, dir. Am. univ. res. prog., 64-67, V.PRES., 67- Vis. prof., Singapore, 58-60; Univ. Malaya, 60-64; Stanford, 64-65. Consult, Govt. Federation Malaysia, 62; cmt. lower Mekong, econ. cmn. for Asia & the Far East, UN, 66; Presidential Task Force Agr. in Vietnam, 66; adv. panel East Asia and Pac, U.S. Dept. State, 66- Trustee, Ed. Develop. Center, 67-; Agribusiness Coun., 67- Agr. Econ. Assn; Am. Econ. Assn; Asn. Asian Studies; Economet. Soc; Asia Soc; Statist. Assn; Royal Econ. Soc; Int. Asn. Agr. Econ. Economic and agricultural development; field methodology; supply response of subsistence farmers; problems of international education; United States foreign policy. Publ: Ed. Subsistence agriculture and economic growth, Aldine, 68; auth, United States graduate training of Asian agricultural economists, 59 & Research on agricultural development in Southeast Asia, 65, Agr. Develop. Coun. Address: Agricultural Development Council, 630 Fifth Ave, New York, N.Y. 10020.

WHARTON, DR. LYLE H(ARRISON), b. St. Paul, Minn., July 30, 26; m. 49; c. 3. PSYCHOLOGY. B.A., Minnesota, 49; M.A., Iowa, 52, Ph.D.(psychol), 53. Clin. psychologist, Fitzsimons Gen. Hosp., Denver, Colo., 53; chief clin. psychologist, 54-57; U.S. Army Med. Center, Japan, 57-58; staff clin. psychologist, ment. hyg. clin. Vet. Admin. Center, Minn., 59-63; regional ment. health staff, Nat. Inst. Ment. Health, Tex., 63-66; CLIN. PSYCHOLOGIST, 67- Instr., col. med, Minnesota, 60- Consult, State Dept. Pub. Welfare, Minn., 60- U.S.N.R., 44-46; U.S.A., 49-58. Psychol. Asn. Applied, clinical and industrial psychology. Address: 6095 Ventura Lane, Beaumont, Tex. 77706.

WHARTON, DR. ROBERT RICHARD, b. Philadelphia, Pa., Mar. 22, 26; m. 52; c. 2. SOCIOLOGY. B.A., Temple, 51; M.A., Pennsylvania, 52, Ford Found. fel., 52-53, Danforth Found. fel., 60-61, Ph.D.(sociol), 61. Instr. SOCIOL., Pennsylvania, 52-55; UPSALA COL., 55-56, asst. prof., 56-62, acting chmn. dept., 61-62, ASSOC. PROF. & CHMN. DEPT., 62- Award, Lindback Found., 66. U.S.N., 44-46. Fel. Sociol. Asn; Pop. Asn; Law & Society Asn. Sociology and social psychology of the American class system; relation between stratification position of observer and his definitions of the system of stratification. Publ: Study of the subjective class system as described by a random sample of respondents in Norristown, Pennsylvania. Address: 35 Eastwood St., East Orange, N.J. 07017.

WHARTON, PROF. WILLIAM POLK, b. Hopkinsville, Ky., Apr. 6, 13; m. 44; c. 1. EDUCATIONAL PSYCHOLOGY. B.A., Yale, 34; M.A., Columbia, 49, Ph.D., 52. Res. mgr., Esquire, Inc., N.Y., 34-40; assoc. partner, Patjens Co., 46; asst. to pres., Charles M. Storm Co., 47; sales prom. mgr., Sapolin Paints, Inc., 47-48; asst. guid. Teachers Col., Columbia, 48-52; DIR. COUNSELING, ALLEGHENY COL., 54-, assoc. prof. ed. & dir. ed. guid. clin., 58-63, PROF. ED., 67- Res. fel., Wis. Psychiat. Inst., 61-62. Past pres. bd. dirs., Crawford County Ment. Health Center, summer consult, U.S. Army Ed. Center, Md., 60. Cert. counseling psychol., Am. Bd. Exam. Pfnl. Psychol., 65. U.S.A., 40-46, Res., 46-, Lt. Col. Psychol. Asn; Personnel & Guid. Asn; Asn. Humanistic Psychol. Mental imagery and readability of college texts; achievement and motivation of college students; effects on psychotherapy of therapist attitudes, especially positive regard. Publ: The case of Harry and therapist flexibility, J. Counseling Psychol., summer 63; Clinic to career, J. Asn. Col. Admissions counsr., 2/66; In defense of dropping out, Col. Bd. Rev., summer 66. Address: 415 N. Main St., Meadville, Pa. 16335.

WHATLEY, DR. THOMAS J(EWEL), b. Lineville, Ala., Feb. 18, 18; m. 48; c. 2. AGRICULTURAL ECONOMICS. B.S., Ala. Polytech., 41; M.S., Purdue, 47, Gen. Ed. Bd. fel., 49-50, Ph.D.(agr. econ), 53. Asst. county suvr., Farm Security Admin., 41, county suvr., 42; asst. agr. economist, TENNESSEE, 47-53; assoc. agr. economist, 53-56, agr. economist, 56-58, prof. AGR. ECON., 58-64, DISTINGUISHED SERV. PROF., 64-, HEAD DEPT., 59-, PROG. DIR., AMES PLANTATION, 56-, acting head dept., 58-59. U.S.N.R., 43-46, Lt. Agr. Econ. Asn. Farm management; agricultural credit and policy. Address: Dept. of Agricultural Economics, University of Tennessee, Knoxville, Tenn. 37916.

WHEALEY, DR. ROBERT H, Mod. Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WHEAT, PROF. JOE BEN, b. Van Horn, Tex., Apr. 21, 16; m. 47. ANTHROPOLOGY. B.A., California, 37; fel. & M.A., Arizona, 49, Ford Found. fel. & Ph.D.(anthrop), 53. Field dir. archaeol. Works Progress Admin., archaeol. proj., Tex. Tech. Col., 39-41; archaeologist, river basins surv., Smithsonian Inst., 47; instr. anthrop., Arizona, 48-50, 52, field foreman, archaeol. field sch., 49, 50, 51; ranger-archaeologist, U.S. Nat. Park Serv., 52, 53; asst. prof. NATURAL HIST. & CURATOR ANTHROP. MUS. COLORADO, 53-57, assoc. prof., 57-62, PROF., 62- Southwest ed. Abstracts of New World Archaeol., 60 & 61. Chmn., Plains Anthropol. Conf., 60. Sr. archaeologist, Univ. Colorado Nubian Exped., 62-66, prin. investr., Tunisian Exped., 66- U.S.A.A.F. 41-45. Fel. AAAS; fel. Anthropol. Asn; Soc. Am. Archaeol. (secy), 60-64, pre-elect, 65-66, pres., 66-67; Ethnol. Soc. Early man in North America; southwestern archaeology; Colorado archaeology; prehistory of North Africa. Publ: An archaeological survey of the Addicks Dam Basin, Southeast Texas, Bur. Am. Ethnol. Bull.; Crooked ridge village, Univ. Ariz. Bull.; Mogollon culture prior to A.D. 1000, Am. Anthropol. Asn. Bull. Address: 1515 Baseline Rd., Boulder, Colo. 80302.

WHEATLEY, DR. CHARLES W, b. Cincinnati, Ohio, June 1, 35; m. 58; c. 3. SOCIOLOGY. B.S., U.S. Mil. Acad., 57; Ph.D.(sociol), Columbia, 68. Instr./SOCIOL., Harpur Col., 63-65; Dartmouth Col., 65-66; lectr., PRINCETON, 66-68, ASST. PROF., 68- U.S.A., 57-60, 1st Lt. Sociol. Asn; Polit. Sci. Asn. Political sociology, especially comparative study of elites in developed societies. Address: Dept. of Sociology, Princeton University, Princeton, N.J. 08540.

WHEATON, DEAN WILLIAM L(INDUS) C(ODY), b. Cleveland, Ohio, Apr. 10, 13; m. 35; div. m. 63; c. 2. URBAN PLANNING. A.B., Princeton, 34; Hillman fel., Chicago, 40-41, Ph.D.(polit. sci.), 52; Wheelwright fel., Harvard, 45-

46. Orgn. officer, Nat. Housing Agency, 41-44; asst. to adminstr., Housing & Home Finance Agency, 44-47; assoc. prof. regional planning, Harvard, 46-52, chmn. dept. city & regional planning, 50-52; prof. city planning, Pennsylvania, 52-63, dir. inst. urban studies, 54-63; dir. inst. urban & regional develop., CALIFORNIA, BERKELEY, 63-67, PROF. CITY & REGIONAL PLANNING, 63-, DEAN COL. ENVIRON. DESIGN, 67- Consult. State & fed. agencies. U.S. rep. cmt. housing, bldg. & planning, UN, 63-65. Polit. Sci. Asn; Inst. Planners. Housing; urban development. Publ: Co-auth, Urban housing, Macmillan, 67; Housing, people and cities; Cost of municipal services in residential areas. Address: 1512 La Loma Ave, Berkeley, Calif. 94708.

WHEBELL, PROF. CHARLES FREDERICK JOHN, b. Nassau, Bahamas, Mar. 20, 30; Can. citizen; m. 54; c. 3. GEOGRAPHY. B.A., Western Ontario, 52, M.Sc., 55; Ph.D., London, 61. Instr. GEOG., WESTERN ONTARIO, 57-59, lectr., 59-61, asst. prof., 61-65, ASSOC. PROF., 65- Vis. lectr., New England, Australia, 67. Asn. Am. Geog. General cultural geography, especially settlement and political aspects; administrative areas and local government. Address: Dept. of Geography, University of Western Ontario, London, Ont., Can.

WHEELER, PROF. BAYARD O, b. Modesto, Calif. BUSINESS ADMINISTRATION, ECONOMICS. A.B., California, 28, Ph.D., 42; M.A., Washington (Seattle), 32. Assoc. prof. gen. bus., Washington (Seattle), 41-43; wage stabilization dir., War Labor Bd. & economist, U.S. Bur. Labor Statist., 43; asst. dir., President's Cmt. Congested Areas, 44-45; economist, Fed. Housing Authority, 45-47; assoc. prof. BUS. GOVT. & SOCIETY, WASHINGTON (SEATTLE), 48-53, PROF., 53- Expert witness, antitrust cases & property valuation. Consult, pub. agencies & firms, U.S. Bur. Census; UN Indust. Develop. Orgn., Vienna, 68. Econ. Asn; Econ. Hist. Asn; Real Estate & Urban Econ. Asn. Urban economics; business history; business and its environment. Publ: Effect of improved access upon urban property value; Business: an introductory analysis; Renaissance in business theory. Address: School of Business Administration, University of Washington, Seattle, Wash. 98105.

WHEELER, DR. DAVID LAURIE, b. Saginaw, Mich., July 30, 34; m. 58; c. 2. GEOGRAPHY. B.A., Michigan, 56, Woodrow Wilson fel. & M.A., 58, univ. fel., 60-61, Ph.D.(geog), 62; Off. Naval Res. fel., Italy, 61-62. From asst. prof. to ASSOC. PROF. GEOG., ILLINOIS STATE, 61-, ASST. DEAN INT. STUDENTS, STUDENT SERV., 67-, faculty res. grant, 62-63. Lectr., Manitoba, 67. Asn. Am. Geog; Nat. Coun. Geog. Ed. Historical and regional geography of the Mediterranean area and Latin America, especially settlement, land use and agrarian reform. Publ: The rice communities of the Po River Delta: an experiment in cooperative agriculture, J. Geog., 63; Land reclamation in the Po River Delta of Italy, Land Econ., 65; The Illinois country, Bull. Ill. Geog. Soc., 65. Address: International Student Services, Illinois State University, Normal, Ill. 61761.

WHEELER, DR. H(ARRY) E(VERETT), Clin. Psychol., see 10th ed, Soc. & Behav. Vols.

WHEELER, PROF. HARVEY, JR., b. Waco, Tex., Oct. 17, 18; m. 41; c. 2. POLITICAL SCIENCE. A.B., Indiana, 46, A.M., 47; Ph.D., Harvard, 50. Asst. prof. polit. sci., Hopkins, 50-54; assoc. prof., Washington & Lee, 54-56, prof., 56-62; POLIT. SCIENTIST, CENTER STUDY DEMOCRATIC INSTNS, 62- Vis. scholar, Center Study Democratic Instns, 61-62. Consult. State Reorgn. Cmn., Md.; Mil. Govt. Europe, 44-46; Fund for Republic, 58- Polit. Sci. Asn. Political theory; constitutionalism; party theory. Publ: Co-ed, Lattimore the scholar, 53; co-auth, Fail-Safe, 63; Democracy in a revolutionary era, 68. Address: Center for the Study of Democratic Institutions, Santa Barbara, Calif. 93103.

WHEELER, DR. HARVEY J, b. Dexter, Maine, May 25, 30; m. 53; c. 2. ECONOMICS. B.A., Maine, 57; Ph.D.(econ), Virginia, 66. Asst. prof. ECON., CLEMSON, 60-67, ASSOC. PROF. & CHMN. DEPT., 67- U.S.A.F., 51-53, Sgt. Econ. Asn. Economic theory; monetary theory; public finance. Publ: Alternative voting rules and local expenditure: the town-meeting vs. city, J. Non-Mkt. Decision Making, 67. Address: Dept. of Economics, Clemson University, Clemson, S.C. 29631.

WHEELER, PROF. JESSE H(ARRISON), JR., b. Scottsboro, Ala., Nov. 24, 18; m. 42; c. 3. GEOGRAPHY. B.S., Auburn, 39, M.S., 41; Ph.D., Chicago, 50. Instr. GEOG., MISSOURI, COLUMBIA, 49-50, asst. prof., 50-55, assoc. prof., 55-64, PROF., 64-, chmn. dept., 56-68. Ford Found. faculty fel., 51-52. Mem. Nat. Cmt. Grad. Record Exam. Geog., 67-68. U.S.A., 41-46, Maj. Asn. Am. Geog. Regional geography of the world; historical and political geography of the modern world; geography of North America. Publ: Regional geography of the world. Address: Dept. of Geography, University of Missouri, Columbia, Mo. 65201.

WHEELER, DR. JOHN (NGRAHAM), JR., b. St. Louis, Mo., Nov. 27, 25; m. 56; c. 4. CLINICAL PSYCHOLOGY. B.S., St. Louis, 49, M.S., 51; U.S. Pub. Health Serv. fel., Washington (St. Louis), 51-52; Hite Fund for Cancer fel. & Hogg Found. for Ment. Hyg. fel., Texas, 52-55, Ph.D.(clin. psychol), 55. Intern. clin. psychol. sch. med., Washington (St. Louis), 51-52; asst. med. psychologist, Anderson Hosp. & Tumor Inst., Texas, 55-56, assoc. med. psychologist, 56-58, clin. asst. prof. med. psychol., postgrad. sch. med., 56-63; asst. prof. psychol., St. Thomas, 60-62; asst. prof. DEPT. PSYCHIAT. & PED., COL. MED., BAYLOR, 63-66, CLIN. ASST. PROF., 66- Private practice, 56-; chief psychologist, child psychiat. div., Houston State Psychiat. Inst., 63-66. U.S.A., 43-46, Sgt. Psychol. Asn; Acad. Psychother; Soc. Clin. & Exp. Hypnosis. Psychotherapy with children and adolescents; psychological-physiological interaction, especially relating to hormone production and response; psychological correlates of malignant tumors; hypnosis; psychodiagnostic techniques for brain damage. Publ: Psychological effect of the male sex hormone on women, Am. Psychologist; co-auth, Validity of Hewson ratios, J. Consult. Psychol. & Psychological evaluation of women with cancer of the breast and of cervix of the uterus, Psychosom. Med. Address: 2210 Maroneal, Suite 300, Houston, Tex. 77025.

WHEELER, PROF. JOHN P(ERRY), JR., b. Thomasville, Ga., Apr. 18, 28; m. 50; c. 5. POLITICAL SCIENCE. B.S., Fla. State, 50, M.S., 51; Ph.D., Syracuse, 58. Instr. polit. sci., Middlebury Col., 52-55; asst. prof., HOLLINS

- COL, 55-59, assoc. prof. polit. sci. & dean faculty, 59-64, PROF. POLIT, 64-, DEAN, 67- Dir. state constitutional studies proj, Nat. Munic. League, 58-61; vis. prof. Univ. West Indies, 64-65. U.S.A.A.F. 46-47, U.S.N.R. 55-, Comdr. Polit. Sci. Assn. American parties and politics; state government; public administration. Publ: State constitutional convention: a manual on its planning, organization and operation; ed, Salient issues of constitutional revision. Address: Hollins College, Va. 24020.
- WHEELER, PROF. JOHN T(HOMAS), b. Minneapolis, Minn, Feb. 26, 21; m. 47; c. 4. ECONOMICS. B.B.A. Minnesota, 42; Ph.D.(indust. econ), Mass. Inst. Tech, 47. Asst. prof. acct. & econ, Minnesota, 47-49, assoc. prof, 49-54; BUS. ADMIN, CALIFORNIA, BERKELEY, 54-59, PROF, 59-, ACTING CHMN. CENTER RES. MGT. SCI, 66- U.S.A., 43-45. Economet. Soc; Am. Acct. Assn; Nat. Assn. Acct; Inst. Mgt. Sci. Organization theory; quantitative analysis; industrial organization. Publ: Co-auth, Competition and its regulation; Economics and accounting, In; Handbook modern accounting theory. Address: 1230 Contra Costa Dr, El Cerrito, Calif. 94530.
- WHEELER, DR. LADD (STEWART), b. Rosenberg, Tex, June 22, 37; m. 63. PSYCHOLOGY. B.A. Stanford, 59; Ph.D.(psychol), Minnesota, 62. Res. assoc. PSYCHOL, HUMRRO, 62-63; res. scientist, Naval Med. Res. Inst, 63-67; ASSOC. PROF, Duke, 67-68; N.Y. UNIV, 68- Psychol. Assn. Small group and crowd phenomena; sympathetic emotional induction; hypnosis; social comparisons; social behavior of animals; boredom; behavioral contagion. Publ: Interpersonal influence, Allyn & Bacon, 69; co-auth, Epinephrine, chlorpromazine, and amusement, J. Abnorm. & Soc. Psychol, 62; auth, Toward a theory of behavioral contagion, Psychol. Rev, 66. Address: Dept. of Psychology, New York University, 4 Washington Place, New York, N.Y. 10003.
- WHEELER, DR. LAWRENCE, b. Indianapolis, Ind, Apr. 4, 23; m. 46; c. 2. PSYCHOLOGY. A. B. Indiana, 48, M.A., 50, Ph.D.(psychol), 62; Washington (Seattle), 51-52. Res. Asst. psychol, Indiana, 48-50, res. assoc, neuropsychol. lab. & from lectr. to instr. psychol, 58-63; teaching assoc. psychol, Washington (Seattle), 50-53; head personnel-testing & training dept, Sarkes Tarzian, Inc, 53-58; Carnegie Inst. Wash. fel. life sci, Nat. Phys. Lab, Eng, 63-64; asst. prof. PSYCHOL, CALIF. STATE COL. HAYWARD, 64-65, ASSOC. PROF, 65- Consult, Ewing Miller Assocs, Ind, 60- U.S.A.F, 42-45, S/Sgt. AAAS; Optical Soc. Am; Psychol. Assn; Colour Group Gt. Brit. Detection of brain damage through behavioral testing; color vision and perception in complex stimulus conditions; applications of psychology to architectural planning and design problems. Publ: Behavioral research for architectural planning and design, Ewing Miller Assocs, Ind, 67; Modification of induced hue responses by means of forced matching, J. Optical Soc. Am, 65; Perception of colour, In: Encyclopedia of linguistics, information, and control, Pergamon, 68. Address: Dept. of Psychology, California State College at Hayward, 25800 Hillary St, Hayward, Calif. 94542.
- WHEELER, DR. MARGARET C(AMERON) b. Toronto, Ont, Seta. 3, 23; nat; m. 57. ANTHROPOLOGY. B.P.H.E. Toronto, 43, B.A. 46, M.A. 48; Ph.D. Yale, 57. Instr. anthropol, Toronto, 50-53, lectr, 53-57; res. fel, Yale, 57-63; Nat. Inst. Ment. Health res. assoc, poverty prog, Neighborhood Improv. Proj, Conn, 63-65; ASST. PROF. ANTHROP. STATE UNIV. N.Y. STONY BROOK, 65-, ASST. DEAN COL. ARTS & SCI, 66- AAAS; fel. Anthropol. Assn; Ethnol. Soc; Soc. Appl. Anthropol. Cultural anthropology; community studies; acculturation and assimilation; anthropology applied to marketing, advertising, consumer research and industrial relations; Jewish studies, minority problems; Canadian culture; primitive art. Publ: Primitive art of Canada, In: Encyclop. of Art; An anthropologist looks at marketing. Address: Dept. of Anthropology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- WHEELER, DR. RAYMOND HARRY, b. Cleveland, Ohio, Mar. 31, 29; m. 53; c. 2. SOCIOLOGY. B.S. Miami (Ohio), 51; M.A. Cincinnati, 54; Ph.D.(sociol), Michigan, 62. Instr. SOCIOL, Bradley, 57-61, asst. prof, 61-62; Harpur Col, 62-65; ASSOC. PROF, SOUTH FLORIDA, 65-, CHMN. DEPT, 67- State Univ. N.Y. Res. Found. res. grant, 63-65 & faculty res. fel, summer, 64; Nat. Sci. Found. res. grant, 67-68. AAAS; Pop. Assn; Sociol. Assn. Community structure, human ecology and voluntary association membership within the community; comparative study of the community. Publ: Annexation law and annexation success, Land Econ, 11/65; co-auth, Metropolitan influences on the rural nonfarm population, Rural Sociol, 3/66 & Structural sources of threat to Negro membership in militant voluntary associations in a southern city, Soc. Forces, 6/67. Address: Dept. of Sociology, University of South Florida, Tampa, Fla. 33620.
- WHEELER, DR. RICHARD G(IBBS), b. Wethersfield, Conn, July 9, 17; m. 39; c. 5. AGRICULTURAL ECONOMICS. B.S. Connecticut, 37, M.S. 40; A.M. Harvard, 49, Ph.D.(econ), 50. Asst. prof. agr. econ. & res. economist, Connecticut, 46; res. assoc, Harvard, 46-51; agr. econ. consult, Dept. Agr, Scotland, 51-52; res. fel. econ, Harvard, 52-55; assoc. prof. agr. econ, Mich. State, 55-65, leader Colombia proj, 62-65; AGR. ECONOMIST, U.S. DEPT. AGR-AGENCY INT. DEVELOP, BRAZIL, 65- Lectr. Santiago, Chile, 63; San Lorenzo, Peru, 64. Agr. Econ. Assn; Int. Assn. Agr. Econ. Farm management; economic development. Publ: Co-auth, Planning for successful dairying in New England, Harvard, 55; Administración rural en la reforma agraria y el desarrollo económico, Revista, Facultad Nacional de Agronomía, Medellín, Colombia, 11/63; Public Law 480 and Colombia's economic development, Mich. State & Facultad Nacional de Agronomía, Medellín, Colombia, 64. Address: R.D. 2, Wallen's Hill, Winsted, Conn. 06098.
- WHEELER, DR. RICHARD O, b. Wibaux, Mont, Oct. 19, 31; m. 52; c. 2. ECONOMICS. B.S. Mont. State Col, 58, M.S. 59; Illinois, Urbana, 58; Ph.D.(agr. econ), Oregon State, 68. Res. asst. econ, MONTANA STATE, 58-59, AGR. ECONOMIST, ECON. RES. SERV, U.S. DEPT. AGR, 60- U.S.A.F, 50-54, Sgt. Ops. Res. Soc. Econometrics, especially Bayesian statistical decision theory. Address: Dept. of Economics, Montana State University, Bozeman, Mont. 59715.
- WHEELER, DR. RICHARD S(EABROOK), b. San Diego, Calif, Mar. 30, 28. POLITICAL SCIENCE, COMPARATIVE GOVERNMENT. B.A. California, 50, M.A. 54, Ph.D.(polit. sci), 57; Yale, 51-52. Ford Found. fel, London, 57-58; Pakistan, 58-59; lectr. polit. sci, California, 59-60; vis. asst. prof, Duke, 60-62; asst. prof, Michigan, 62-66; coordinator training, off. int. progs, Hawaii, 66-67, sr. specialist, inst. adv. projs, East-West Center, 66; ASSOC. PROF. POLIT. SCI, CLAREMONT MEN'S COL, 68- Fulbright res. fel, Comilla, East Pakistan, 65. C.Eng, 46-47; U.S.A.F, 50-51, Sgt. Asn. Asian Studies. Political development in South Asia; the evolution of local and regional institutions; constitutional change and the interaction of the British and Islamic traditions in Pakistan. Publ: Co-auth, Pakistan, In: Major governments of Asia, Cornell, 2nd ed, 63; Federalism in Pakistan, In: Federalism in the commonwealth, Cassell, 63; auth, Divisional councils in East Pakistan, 1960-65: an evaluation, South. Asia Prog, Duke, 67. Address: Dept. of Political Science, Claremont Men's College, Claremont, Calif. 91717.
- WHEELER, DR. RONALD WENDELL, JR, b. Ft. Worth, Tex, June 1, 14; m. 38; c. 5. PSYCHOLOGY, PSYCHOMETRICS. B.A. Texas Christian, 36, M.A. 40; Kilgore Col, 37-38; Southern Methodist, 38-39; Texas, 40-42; Harvard, 42-43; Ed.D. Oklahoma, 59. Dir. off. guide band, Tex. Cent. Centennial Exposition, 36; music supvr. & dir. bands, Salem Consolidated Schs, Tex, 36-39; dir. music, U.S. Pub. Health Serv. Hosp, Ft. Worth, Tex, 39-42; gen. mgr. & pres, KTAT, Okla, 48-62, owner, 56; instr. PSYCHOL, EAST TEXAS STATE, 61-62, asst. prof, 62-64, ASSOC. PROF, 64-, DIR. READING LAB, 63- Proj. consult. culturally deprived, sch. systs, Tex, 64-65; psychomet. testing, 66-67; East Texas State faculty res. grant. Nat. Guard, 33-40; U.S.N.R. 42-, Capt. Psychol. Assn. Educational psychology; guidance. Publ: Co-auth, Reading laboratory handbook, East Texas State Univ, 63; auth, Read with speed, W.C. Brown, 67. Address: Dept. of Psychology, East Texas State University, Commerce, Tex. 75428.
- WHEELER, PROF. RURIC E, Math. Statist, see 11th ed, Phys. & Biol. Vols.
- WHEELER, DR. STANTON, Sociol, see 10th ed, Soc. & Behav. Vols.
- WHEELER, DR. WAYNE, Sociol, Anthropol, see 10th ed, Soc. & Behav. Vols. New address: 7610 Oakwood, Ralston, Nebr. 68127.
- WHEELER-VOEGELIN, PROF. ERMINE, Anthropol, see 10th ed, Soc. & Behav. Vols.
- WHELAN, DR. CARL J(OSEPH), b. Island Falls, Maine, Nov. 19, 94; m. 28; c. 2. ECONOMICS. A.B. Princeton, 22, Procter fel. & A.M. 24, Ph.D. (econ), 34. Instr. econ, Princeton, 22-23, 30-35; asst. prof. soc. sci, Wake Forest Col, 25-26, assoc. prof, 26-30; economist, U.S. Tariff Cmn, 35-43, prin. economist, 43-64; RETIRED. Mem. U.S. del. Int. Conf. Trade & Employ, Switz, 47, Eng, 50. U.S.A., 17. Econ. Assn. International trade and finance. Publ: Differential rates for electric power and light. Address: 3600 South St. N.W., Washington, D.C. 20007.
- WHELAN, PROF. FRED D(ONNEL), b. Villa Ridge, Ill, Aug. 10, 21; m. 58. CLINICAL PSYCHOLOGY. Ph.B. Loyola (Ill), 49, A.M. 51, Ph.D. 57. Psychologist, Sheil Guid. Center, 51-54; supvr. psychologist, Cath. Charities Guid. Center, 54-59; PROF. PSYCHOL. & CHMN. DEPT, ST. MARY'S COL. (CALIF), 59- Private practice, 58- Consult, Order Christian Bros, West. Prov, 59; Cath. Soc. Serv, Diocese Oakland, 64-; Order Discalced Carmelites, Sacramento, 65- U.S.A., 42-46. Psychol. Assn. Psychotherapy; projective techniques; personality dynamics and teaching; student attitudes of incoming freshman and outgoing seniors at St. Mary's College; withdrawals-reasons for. Address: 1515 Ygnacio Valley Rd, Walnut Creek, Calif. 94598.
- WHELAN, DR. JOSEPH G(ERALD), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WHELPTON, P(ASCAL) K(IDDER), Statist, see 10th ed, Soc. & Behav. Vols, deceased 64.
- WHERRY, DR. ROBERT J(AMES), b. Middletown, Ohio, May 16, 04; m. 29; c. 4. PSYCHOLOGY. B.Sc. Ohio State, 25, M.A. 27, Ph.D.(psychol), 29. Prof. psychol. & econ, Cumberland, 29-37; asst. prof. PSYCHOL, North Carolina, 37-39, assoc. prof, 39-44, PROF, 44-48; OHIO STATE, 48-, CHMN. DEPT, 61- Lectr. Conf. Performance Evaluation, Western Reserve, 49, 53, 58; Okla. State, 52, 54. Asst. chief personnel technician, personnel res. br, Adj. Gen. Off, 44-47. Consult, U.S. Navy, 47-48; U.S. Air Force, 54-; U.S. Civil Serv. Cmn, 55; Am. Tel. & Tel. Co; Gen. Motors; Proctor & Gamble; Klein Inst. Aptitude Testing. Fel. Psychol. Assn; Psychomet. Soc. Statistical methodology in fields of prediction and factor analysis; theory and practice in performance evaluation, especially forced choice methods. Publ: An evaluative and diagnostic forced-choice rating scale for servicemen, Personnel Psychol; Hierarchical factor solutions without rotation & co-auth, Method for factoring large numbers of items, Psychometrika. Address: Ohio State University, 323 Arps Hall, 1945 N. High St, Columbus, Ohio 43210.
- WHETTEN, DEAN N(ATHAN) L(ASELLE), b. Colonia Garcia, Mex, July 20, 00; m. 26; c. 2. SOCIOLOGY. A.B. Brigham Young, 26, A.M. 28; Minnesota, 29-30; Soc. Sci. Res. Coun. fel, Harvard, 30-31, Ph.D.(sociol), 32. Instr. SOCIOL, Brigham Young, 26-29; Minnesota, 29-30, asst. prof, CONNECTICUT, 32-35, assoc. prof, 35-36, PROF, 38-, DEAN GRAD. SCH, 40-, head dept. rural sociol, 46-56. Rural sociologist, U.S. Embassy, Mex, 42-45; vis. prof, Yale, 50-51; Guggenheim fel, Guatemala, 52-53. Consult, Pan-Am. Union, 48-52. Pres, New Eng. Conf. Grad. Ed, 49-50, 56-57; Conn. Coun. Higher Ed, 60-61. Del. Interam. Conf. Agr, Venezuela, 45. Mem. Int. Inst. Sociol. Sociol. Assn; Sociol. Res. Assn; Rural Sociol. Soc.(pres, 53-54; ed, Rural Sociol, 52-54); Pop. Assn; Asn. Latin Am. Studies; Mex. Soc. Geog. & Statist. Sociological research on Mexico and Guatemala; rural sociological studies of New England; suburbanization. Publ: Rural Mexico; Guatemala: the land and the people; The rise of a middle class in Mexico. Address: Graduate School, University of Connecticut, Storrs, Conn. 06268.
- WHIMBEY, DR. ARTHUR E(MIL), b. New York, N.Y., Sept. 18, 40; m. 63. PSYCHOLOGY. B.S. Miami (Fla), 61; Nat. Sci. Found. fel, Purdue, 62-64, M.S. 63, Ph.D.(psychol), 65. ASST. PROF. PSYCHOL, Illinois, Urbana, 65-67; CALIF. STATE COL, HAYWARD, 67- U.S. Off. Ed. res. grant, 67-68.

Relationship of various memory abilities to other human abilities such as reasoning and problem solving. Publ: Co-auth, Two independent behavioral dimensions in open-field performance, *J. Comp. & Physiol. Psychol.* 67 & Individual differences in memory span with and without activity intervening between presentation and recall, *J. Ed. Psychol.* 67. Address: Dept. of Psychology, California State College at Hayward, Hayward, Calif. 94542.

WHIPPLE, DR. BABETTE SAMELSON, b. Memphis, Tenn, July 22, 18; m. 46; c. 2. PSYCHOLOGY. B.A. Wellesley Col, 39; M.A. Radcliffe Col, 41, Ph.D. (psychol), 45. Asst. psychol, Wellesley Col, 41-42, instr, 42-47; analyst, Russian Res. Center, Harvard, 52-54; res. fel, Mass. Gen. Hosp, 54-65; res. assoc. curriculum develop, Ed. Serv, Inc, 65-66; CONSULT. & TEACHER, NEWTON PUB. SCHS, 66- Psychol. Asn. Social psychology; public opinion and personality measurement; educational research. Publ: The group talk, Ed. Serv, Inc, 67; Mrs. Jones' ethnic attitudes, a ballot analysis, *J. Abnorm. & Soc. Psychol.* co-auth, Asthma in children, In: *Psychoanalytic study of the child.* Address: 35 Elizabeth Rd, Belmont, Mass. 02178.

WHIPPLE, DR. JAMES E(VANS), b. Princeton, Ind, Feb. 1, 25; m. 48; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. Reed Col, 49; M.A. Ohio State, 50; Ph.D. (psychol), Stanford, 56. Asst. HumRRO, 53-55, res. scientist, 56-57; instr. PSYCHOL, WASHINGTON STATE, 57-58, asst. prof, 58-63, ASSOC. PROF, 63- Summer, vis. asst. prof, Washington (Seattle), 60. Consult, HumRRO, 57-; Vet. Admin, 59- U.S.N.R., 44-46. Psychol. Asn. Human learning and problem solving; statistics; military and industrial training; teaching methods and techniques. Address: Dept. of Psychology, Washington State University, Pullman, Wash. 99163.

WHIPPLE, PAUL W(ARREN), b. Tonganoxie, Kans, Jan. 21, 15; m. 48; c. 2. POLITICAL SCIENCE, JOURNALISM. B.A. Willamette, 41; M.A. American Univ, 50. Procedures ed, off. chief ord, U.S. War Dept, 46-47; mgt. analyst, weather bur, U.S. Dept. Commerce, 47-50; admin. analyst, off. budget & finance, U.S. Dept. Agr, 50-52; mgt. analyst, exec. off. secy, U.S. Dept. Navy, 52-55; sr. systs. analyst, bur. naval personnel, 55-59; state data systs. coordinator, Ore. State Govt, 59-61; comput. systs. analyst, off. mgt. serv, Fed. Aviation Agency, 61-63; data systs. specialist, off. adminstr, U.S. Housing & Home Finance Agency, 63-64; ASST. MGT. OFFICER, D.C. GOVT, 64- U.S.A.A.F., 42-46, T/Sgt. AAAS; Polit. Sci. Asn. Design of urban management systems; governmental organization; measurement of organizational performance; municipal program evaluation. Address: 3619 Everett St, N.W., Washington, D.C. 20008.

WHISENAND, DR. PAUL M, b. Seattle, Wash, July 3, 35; m. c. 3. PUBLIC ADMINISTRATION. B.A. Southern California, 57, M.S. 63, M.P.A. 66, Ph.D. (pub. admin), 68. Instr. pub. admin. & coordinator policy & corrections, Southern California, 64-65; ASST. PROF. CRIMINOL, CALIF. STATE COL. LONG BEACH, 65- Res. assoc, munic. systs. res, Southern California, 65- interim coordinator delinquency control inst, 66-; res. assoc, Lakewood Sheriff's Sta, 66-; Redondo Beach Police Dept, 67- Consult, N.A.M. Rockwell Info. Serv, 66-68; Off. Law Enforcement Assistance, U.S. Govt, 66-68. U.S.A., 57-58. Soc. Pub. Admin; Polit. Sci. Asn. Application of information sciences to the field of criminal justice and the use of technology in law enforcement. Publ: Automated police information systems, Wiley, 68; co-auth, New dimensions in criminal justice, Scarecrow, 68; auth, Equipping men for professional growth in the police service, *J. Criminal Law, Criminol. & Police Sci.* 7/66. Address: 2061 Mandarin Dr, Costa Mesa, Calif. 92626.

WHISLER, DR. THOMAS L, b. Dayton, Ohio, Feb. 12, 20; m. 46; c. 2. INDUSTRIAL RELATIONS, MANAGEMENT. B.S. Miami (Ohio), 41; M.B.A. Chicago, 47, Ph.D. (indust. rels), 53. From instr. to asst. prof. bus. mgt, Missouri, 47-53; GRAD. SCH. BUS. CHICAGO, 53-58, assoc. prof. INDUST. RELS, 58-63, PROF, 63-, asst. dir. exec. prog, 53-54. Summer vis. prof, Stanford, 59; Ford Found. faculty res. fel, 60-61; NASA res. grant, 63-66. Ford Found. consult, 61-63. U.S.N., 41-46, Lt. Comdr. Indust. Rel. Res. Asn. Organization theory; personnel management. Publ: Co-auth, Management organization and the computer, Macmillan, 60 & Performance appraisal: research and practice, Holt, 62. Address: 9 Wilson Court, Park Forest, Ill. 60466.

WHITAKER, DR. A(RTHUR) ROYALL, b. Ithaca, N.Y., May 7, 31; m. 51; c. 3. ECONOMICS, STATISTICS. A.B. Colgate, 21; N.Y. Univ, 21-23; A.M. Yale, math, Spring Garden Inst, Phila, 54-57; actuarial asst, Pa. Mutual Life Ins. Co, 57-58; instr. econ, State Univ. N.Y. Utica, 60-61; statist, Pa. State, 61-62; Rutgers, 62-65; asst. prof. ECON, U.S. NAVAL ACAD, 65-68, ASSOC. PROF, 68-, DEP. CHMN. DEPT, 66-, Res. Coun. grants, 66-69. U.S.A.F., 48-52. Econ. Asn; Statist. Asn. Econometrics; price theory; monetary economics. Address: 112 Wardour Dr, Annapolis, Md. 21401.

WHITAKER, PROF. BENJAMIN P(ALMER), b. Newburgh, N.Y., July 30, 99; m. 25; c. 4. ECONOMICS. A.B. Colgate, 21; N.Y. Univ, 21-23; A.M. Yale, 25, Ph.D., 31; hon. L.H.D. Union. Mem. staff, inst. govt. res, Brookings Inst. 31-33; res. dir, State Spec. Tax Cmn, Conn, 33-35; State Cmn. Reorgn. State Depts, 35-37; state dir. budget, 37-39; prof. ECON, UNION COL. (N.Y.), 39-65, chmn. soc. studies div, 40-45, acting pres, 45-46, chmn. econ. dept, 55-63, EMER. PROF, 65- Financial consult. to majority leader, State Senate, N.Y., 58-64. Treas. & mgr, Ellis Hosp, 47-60, v.pres, & mgr, 61-; secy, Ways & Means Cmt, N.Y., 49-50; res. dir, Cmt. Fed. Tax Policy, 53-54; pres, Schenectady Found; v.pres, Schenectady Indust. Develop. Corp; dir, Schenectady Indust. Corp; trustee, Schenectady YMCA. Econ. Asn; Statist. Asn. Economic theory; corporation finance; public finance and taxation. Address: 1625 Wendell Ave, Schenectady, N.Y. 12308.

WHITAKER, DR. C. SYLVESTER, JR, b. Pittsburgh, Pa, Feb. 21, 35; div; c. 2. B.A. Swarthmore Col, 56; Gen. Elec. fel, Princeton, 57, M.A. & Soc. Sci. Res. Coun. fel, 58, Ph.D., 64. Instr. polit, Princeton, 60-61, lectr, 61-62; asst. prof. POLIT. SCI, CALIFORNIA, LOS ANGELES, 62-68, ASSOC. PROF, 68-, assoc. dean grad. div, 64-67. Polit. Sci. Asn; Int. Studies Asn. African politics; comparative politics. Publ: Three perspectives on hierarchy, *J. Commonwealth Polit. Studies*, 3/65; co-auth, The Federal Republic of Nigeria, In: *Regionalism and national integration in tropical Africa*, Cor-

nell, 66; auth, A dysrhythmic process of political change, *World Politics*, 1/67. Address: Dept. of Political Science, University of California, Los Angeles, Calif. 90024.

WHITAKER, DR. DOROTHY STOCK, b. Chicago, Ill, Mar. 30, 25; m. CLINICAL PSYCHOLOGY. Ph.B. Chicago, 42, M.A. 48, Ph.D. (psychol), 52. Res. psychologist, systs. coord. div, Naval Res. Lab, D.C. 51-52; res. assoc. & proj. dir, dept. ed, Chicago, 52-55; res. psychologist, Vet. Admin. Res. Hosp, 55-57; asst. prof. PSYCHOL, Chicago, 57-64; LECTR, LEEDS, 64- Dipl. Am. Bd. Exam. Prfnl. Psychol. Psychol. Asn; Group Psychother. Asn. Individual and group psychotherapy; group dynamics. Publ: Co-auth, Psychotherapy through the group process, Atherton, 64, Methods for studying work and emotionality in group interaction, Monogr. Human Dynamics Lab, Univ. Chicago & Emotional dynamics and group culture, Monogr. Nat. Training Labs. Address: Dept. of Psychology, University of Leeds, Leeds 2, Eng.

WHITAKER, PROF. GILBERT R(ILEY), JR, b. Oklahoma City, Okla, Oct. 8, 31; m. 53; c. 3. ECONOMICS, STATISTICS. B.A. Rice, 53; Southern Methodist, 56-57; M.S. Wisconsin, 58, Ford Found. fel, 59-60, Ph.D. (econ), 61. Instr. bus. econ, Northwestern, 60-61, asst. prof, 61-64, assoc. prof, 64-66; WASHINGTON (ST. LOUIS), 66-67, PROF. BUS. ECON. & ADJ. PROF. ECON, 67- Sr. economist, banking & currency cmt, U.S. House Rep, summer, 64. U.S.N., 53-56, Res, 56-, Lt. Econ. Asn; Statist. Asn; Economist. Soc; Inst. Mgt. Sci; Finance Asn. Taxation in transportation; forecasting methods. Publ: Co-auth, Business economics, Irwin, 64; auth, The market for bank stock, U.S. Govt. Printing Off, 64; A decision unit model of short-run production and inventory decisions of manufacturing firms, Univ. Wisconsin, 66. Address: Washington University, Graduate School of Business Administration, St. Louis, Mo. 63130.

WHITAKER, PROF. IAN R(ICE), b. Nottingham, Eng, July 4, 28; Can. citizen; m. 55; c. 2. ANTHROPOLOGY, SOCIOLOGY. B.A. Cambridge, 51, Tennant studentship, 51-52; M.A. 56; Ph.D. (anthrop), Oslo, 56. Res. asst. anthrop, sch. Scottish studies, Edinburgh, 52-56, res. fel, 56-59; assoc. prof. sociol. & anthrop. & head dept, Memorial Univ, 59-62, prof, 62-64, dir. sociol. res, Newf. Inst. Soc. & Econ. Res, 61-64; vis. prof. SOCIOL. & head dept, Univ. Col. S. Wales, 64-65; sr. lectr, YORK, ENG, 65-66, READER, 66- Summers, vis. prof, Carleton (Can), 66; New Brunswick, 67 & 68. Mem. Soc. Sci. Res. Coun. Can, 63-66. R.A.F., 46-48; Can. Army, 59-64, Capt. Fel. Royal Anthropol. Inst. Gt. Brit; Can. Sociol. & Anthropol. Asn; Asn. Anthropol. Brit. Commonwealth. Sociology of areas of marginal subsistence; cultural ecology; blood feuds; community organization. Publ: Tribal structure and national politics in Albania, 1910-50, Tavistock, 68; Social relations in a nomadic Lappish community; Nature and value of functionalism in sociology, *Annals*. Address: Dept. of Sociology, University of York, Heslington, York, Eng.

WHITAKER, PROF. J(OE) RUSSELL, b. Cynthiana, Ky, Jan. 30, 00; m. 22; c. 3. GEOGRAPHY. B.S. Chicago, 21, Ph.D. (geog), 30; M.S. Wisconsin, 23. Head dept. GEOG, Mich. State Teachers Col, Marquette, 24-30; asst. prof, Wisconsin, 30-37, assoc. prof, 37-40; prof. & head dept, Peabody Col, 40-68; PROF, TENNESSEE, NASHVILLE CENTER, 68- Grant, Nat. Res. Coun. Can, 35. Consult, U.S. War Dept, 42-47; U.S. State Dept, 42-44; Field Enterprises Ed. Corp, 56-67. Mem. Nat. Res. Coun, 39-54. Asn. Am. Geog. (pres, 53); Nat. Coun. Geog. Ed. (pres, 38, award, 55). Historical and cultural geography of eastern United States; educational geography; Anglo-America. Publ: Life and death of the land; Geography in school and college; American resources. Address: 3418 Hampton Ave, Nashville, Tenn. 37215.

WHITAKER, DR. RODNEY, Econ, see 10th ed, Soc. & Behav. Vols.

WHITAKER, PROF. URBAN G, JR, b. Colony, Kans, May 19, 24; m. 50; c. 3. INTERNATIONAL RELATIONS. B.A. Occidental Col, 47; Col. Chinese Studies, Peking, China, 47-48; Ph.D. (polit. sci), Washington (Seattle), 54. Instr. INT. RELS, SAN FRANCISCO STATE COL, 54-56, asst. prof, 56-58, assoc. prof, 58-62, PROF, 62- Ford Found. summer fel, 55; Rockefeller Found. fel, Columbia, 60-61; vis. prof, South Carolina, 65-66. Mem. bd. dir, Cmn. Study Orgn. Peace, 65- U.S.N.R., 43-46, 50-52, Lt. Int. Studies Asn; Soc. Int. Law. Developing institutions of the world community with emphasis on the future of the United Nations system. Publ: Ed, Democracies and international relations: can ours survive?, 61 & Nationalism and international progress, 2nd ed, 62, Chandler Pub; auth, Politics and power: a text in international law, Harper, 64. Address: Dept. of International Relations, San Francisco State College, San Francisco, Calif. 94132.

WHITCOMB, PROF. HALE CHRISTY, b. Pittsburgh, Pa, Aug. 16, 07; m. 34; c. 2. FINANCE. B.A. Yale, 29; C.L.U. Am. Col. Life Underwriters, 37; M.B.A. Northwestern, 49, C.P.A. Illinois, 49; fel, Ga. State Col, 62-64, D.B.A. 65. Asst. secy. treas, Fillmore Foundry, Inc, N.Y., 29-33; office mgr, mgr. tax dept. & partner, Roger W. Somers & Co, Ill, 34-42; mem. comptroller's staff, Owens-Corning Fiberglas Corp, Ohio, 42-44; mgt. consult, 44-58; res. assoc. acct, grad. sch. bus, Northwestern, 58-59; assoc. prof. econ, Evansville, 59-62; assoc. prof. acct, Purdue, 64-66; PROF. FINANCE, MISS. STATE, 66- Controller, home appliance div, Murray Corp. Am. Pa, 51-52. Econ. Asn; Finance Asn; Risk & Ins. Asn; Financial Execs. Inst. The Dow theory and the seventy year forecast record, 1896-1966. Publ: The White Oak Company (case 7) in Chap. XI, In: *Quantitative controls for business*, Irwin, 65; Dow theory economic forecasts, *Miss. Bus. Rev.* 7/67. Address: Dept. of Finance & Insurance, Mississippi State University, State College, Miss. 39762.

WHITCOMB, DR. MILTON ARLO, b. Hastings, Nebr, Jan. 24, 27; m. 51; c. 4. PSYCHOLOGY. B.A. Washington (St. Louis), 49, Hierman fel, 49-50, Ph.D., 56. Res. psychologist, U.S. Air Force Personnel & Training Res. Center, 51-56; asst. prof. psychol, Texas, 56-59; EXEC. SECY, CMTS. VISION & HEARING & BIO-Acoustics, ARMED FORCES-NAT. RES. COUN, 58- U.S.A.A.F., 45-47. Acoustical Soc; Optical Soc. Chromatic adaptation; brain function; neural correlates of sensory variables; change in hearing and vision as a function of age. Address: National Academy of Science-National Research Council, 2101 Constitutional Ave. N.W., Washington, D.C. 20037.

WHITCOMB, DR. ROGER S, b. Harrisburg, Pa, Sept. 3, 37; m. 65. POLITICAL SCIENCE. A.B. Gettysburg Col, 64; M.A. American Univ, 66, Ph.D. (polit. sci), 68. ASST. PROF. POLIT. SCI, WESTMINSTER COL. (MO), 67-U.S.N., 59-63. Examination of the domestic sources of United States foreign policy; analysis of current trends in international politics. Address: Dept. of Political Science, Westminster College, Fulton, Mo. 65251.

WHITE, DR. ANTA M, b. Strasbourg, France, Feb. 2, 33; m. 57; c. 2. ANTHROPOLOGY. Lic. ès Litt, Paris, 54, dipl.E.S., 55; Dr. ès Litt.(pre-hist), Bordeaux, 65. Res. asst. prehist, Institut de Paleontologie Humaine, 55-57; lectr. anthropol. & res. assoc, mus. anthropol, Michigan, 62-65; lectr. ANTHROP. KANSAS, 66-67, ASST. PROF. 67- Am. Philos. Soc. summer res. grant, 66; Nat. Sci. Found. res. grant, 67-69. Old World prehistory, especially Europe-Mediterranean; primitive technology. Publ: L'Iberio-Maurusien de la Moulle (Algerie), Bull. de la Société Préhistorique, Française, 56; Industrie de Lamelles de Haïget et Tera, Quaternaria, V, 62; Analytic description of the chipped-stone industry from Snyders Site, Calhoun County, Ill, Univ. Michigan Anthropol. Papers, 63. Address: Dept. of Anthropology, University of Kansas, Lawrence, Kans. 66044.

WHITE, DR. ARDEN J(UNIOR), b. Greeley, Colo, Oct. 22, 30; m. 51; c. 2. EDUCATIONAL PSYCHOLOGY, GUIDANCE. B.S. Colorado State, 55; M.A. Colo. State Col, 57, Ed.D.(ed. psychol. & guid), 59. PROF. GUID. & COUNSELING ED, WYOMING, 61- U.S.N., 50-54. Psychol. Asn; Personnel & Guid. Asn. Psychological measurement devices; counselor education; guidance. Address: 1620 Rainbow, Laramie, Wyo. 82070.

WHITE, PROF. BECKY J(ANE), Psychol, see LOEWY, DR. BECKY WHITE.

WHITE, DR. BENJAMIN W(ARD), b. Ithaca, N.Y., Mar. 22, 21; m. 53; c. 2. PSYCHOLOGY. A.B. Swarthmore Col, 42; Ph.D.(psychol), Michigan, 53. Clin. psychol. trainee, Vet. Admin. Detroit, Mich, 46-48, 49-50; res. assoc, Navy conf. res. proj, Michigan, 50-51, instr. PSYCHOL, 51-52; res. scientist HumRRO, 52-55; mem. staff, Lincoln Lab, Mass. Inst. Tech, 55-67; PROF, SAN FRANCISCO STATE COL, 67- AAAS; Psychol. Asn. Perception; pattern recognition; computers in perceptual research; reading machines; psychological measurement; personality. Address: 20 Malvino Court, Tiburon, Calif. 94920.

WHITE, DR. BENNETT S(EXTON), JR, b. New York, N.Y., Oct. 22, 09; m. 31; c. 3. ECONOMICS. A.B. West Virginia, 31; fel, Brookings Instn, 35; Ph.D., Harvard, 37. Agr. economist, bur. agr. econ, U.S. DEPT. AGR, 36-38, 42-46, head div. mkt. & transportation res, 47-53, res. coordinator, AGR. RES. SERV, 53-56, asst. dir. econ. & mkt, 56-62, DIR. ECON. & RURAL LIFE DIV, 62-, LECTR. GRAD. SCH, 45- Asst. prof, Kentucky, 39-42; lectr, George Washington, 45-46; Virginia, 48- Agr. Econ. Asn. Economics of marketing, prices and transportation of agricultural products; foreign economic development. Address: Cooperative State Research Service, Washington, D.C. 20250.

WHITE, DR. BURTON LEONARD, b. Boston, Mass, June 27, 29; m. 58; c. 2. PSYCHOLOGY. B.S.M.E. Tufts, 49; B.A. Boston, 56, M.A., 57; Ph.D. Brandeis, 50. Nat. Insts. Health fel. Brandeis, 60-61, instr, 61-62, res. assoc, 61-63; Mass. Inst. Tech, 63-65; RES. ASSOC. & LECTR. PSYCHOL, HARVARD & DIR. PRE-SCH. PROJ. GRAD. SCH. ED, 65- Asst, Austin Riggs Found, 58-61; prin. investr, Nat. Inst. Child Health & Human Develop. res. grant, 64-67. U.S.A., 51-53. Psychol. Asn. Infant development; role of the environment in the ontogenesis of adaptive capacities in human infants and children. Publ: Co-auth, Observations on the development of visually-directed reaching, Child Develop, 35: 349-364; auth, An experimental approach to the effects of experience on early human behavior, In: Minnesota symposium on child psychology, Vol. I, Univ. Minnesota, 67; The initial co-ordination of sensorimotor schemes in human infants—Piaget's ideas and the role of experience, In: Studies in cognitive development: essays in honor of Jean Piaget, Oxford Univ, 67. Address: 62 Lenox St, West Newton, Mass. 02165.

WHITE, PROF. BYRON, b. Syracuse, N.Y., June 21, 06; m. 51. ECONOMICS. B.A. North Carolina, 28; M.A. Texas, 54, Ph.D.(econ, Latin Am. hist), 59. Newsman, 28-39; asst. to dir. pub. rels, U.S. Fed. Home Loan Bank Bd, 39-40; clerk, U.S. Reconstruct. Finance Corp, 40-41; for. serv. officer, U.S. Dept. State, 41-51; bus. specialist, U.S. Dept. Commerce, 51-53; prof. ECON, Oriente, Cuba, 54-56; asst. prof, Puerto Rico, 58-59, 61-63; Arlington State Col, 59-60; assoc. prof, East Tenn. State, 60-61; East Carolina, 63-64; prof, Cath. Univ, Dominican Repub, 64-65; assoc. prof, New Haven Col, 65-67; PROF, NEW MEXICO HIGHLANDS, 67- Summers, assoc. prof, Appalachian State Teachers Col, 59, Univ. Puerto Rico researcher econ, Cuba, 60, Seminar Contemporary Econ. grant, Univ. Virginia, 64, Recent Develop. Appl. Econ. grant, Univ. Chicago, 66, Econ-in-Action grant, Case Inst. Tech, 67. Dir, inst. econ. invests, Univ. Oriente, Cuba, 54-56; Univ. Oriente del, Int. Conf. Agr. Econ, Helsinki, 55; mem, Center Study Democratic Insts. Econ. Asn; Acad. Polit. & Soc. Sci; Acad. Polit. Sci; Soc. Int. Develop. Latin American and Caribbean history and politics; New Mexico economic development; Caribbean economic development. Publ: Azucar amargo: un estudio de la economía cubana, Cultural, 55; Puerto Rico: a partial developmental model, Am. J. Econ. & Sociol, 10/63; Is Latin America a special case?, Int. Develop. Rev, 6/66. Address: Dept. of Social Science, New Mexico Highlands University, Las Vegas, N.Mex. 87701.

WHITE, DR. C(ARL) MICHAEL, Econ, see 10th ed, Soc. & Behav. Vols.

WHITE, C(ARROLL) T(HOMAS), Exp. Psychol, see 11th ed, Phys. & Biol. Vols.

WHITE, CHARLES B(AILEY), Anthropol, see 10th ed, Soc. & Behav. Vols.

WHITE, PROF. C(HARLES) LANGDON, b. Denver, Colo, June 2, 97; m. 21; c. 2. GEOGRAPHY. B.S. Denison, 20; Chicago, 22-24; Ph.D. Clark, 25; hon. Sc.D. Denison, 42. Instr. econ. geog, Clark, 25; Pittsburgh, 25-26; assoc. prof. geog, Miami (Ohio), 26-28; Prof. geog. & head dept, Randolph-Macon Woman's Col. 28-31; Western Reserve, 31-43, head dept, 36-43;

prof. GEOG, STANFORD, 43-62, EMER. PROF, 62-, head dept, 50-53. Vis. prof, San Marcos Univ, 47-48; prof, San Jose State Col, 62-67, emer. prof, 67- U.S.A., 18. Asn. Am. Geog. Economic geography; plant location. Publ: Co-auth, College geography; Regional geography of Anglo-American; World economic geography. Address: 24 Hesketh Dr, Menlo Park, Calif. 94025.

WHITE, PROF. CHARLES P(RESSLEY), b. Hickory, Pa, Nov. 6, 96; m. 42; c. 2. FINANCE. A.B. Park Col, 20; A.M. Pennsylvania, 22, Ph.D., 27. Instr. econ, Pennsylvania, 21-28; assoc. prof. econ. & finance, TENNESSEE, 28-35, prof. finance, 36-65, dir. bur. res. & ed. pub, 27-65, head dept. finance, 57-65, ALUMNI DISTINGUISHED SERV. PROF, 65- Tax consult, Tenn. Valley Authority, 34-35; Tenn. Legis. Coun, 55-57, 59-62. U.S.A., 18-19. Econ. Asn; Acad. Polit. & Soc. Sci; Finance Asn. Publ: Financing the war; Methods of securing additional state revenue; Financing an expanded highway program. Address: Dept. of Finance, University of Tennessee, Knoxville, Tenn. 37916.

WHITE, DR. CHARLES RAYMOND, Oper. Res. Indust. Eng, see 11th ed, Phys. & Biol. Vols.

WHITE, PROF. D(AVID) M(ANNING), b. Milwaukee, Wis, June 28, 17; m. 44; c. 3. JOURNALISM. A.B. Cornell Col, 38, hon. L.H.D., 64; M.S. Columbia, 39; fel, Iowa, 40-42, Ph.D., 42. Reporter, Davenport, Iowa Times, 38; asst. to Walter B. Pitkin, Columbia, 38-39; instr. Eng. Col. William & Mary, 45-46; asst. prof, Bradley, 46-47, assoc. prof. JOURNALISM & chmn. dept, 47-49; RES. PROF, BOSTON, 49-, CHMN. DIV, 64-, proj. dir, Newspaper Comics Coun, Community Res. Center, 59-62. Proj. dir, center inst. studies, Mass. Inst. Tech, 51; res. dir. N.Y. off, Int. Press Inst, 52-53; correspondent, Nat. Broadcasting Co. News, 57-58; lectr, Burma Sch. Journalism, Rangoon, 57-58. Summer vis. prof. psychol, Richmond Pfnl. Inst, 46, sociol, Tufts, 58, sch. commun, Syracuse, 62. Consult, dept. mass commun, Paris, 54-; res. adv, Sarpay Beikman Inst, 57-58; res. consult, Book Find Club, N.Y., 59-61. Gen. ed, Beacon Press Paperback Series Contemporary Commun, 63- Mem. UNESCO rels. cmt, U.S. Dept. State, 54-57. Asn. Ed. Journalism. Communications processes and their effects on contemporary society. Publ: People, society and mass communications & co-auth, Mass culture: the popular arts in America, 57, Free Press of Glencoe, Inc; Sight, sound and society, Beacon, 68. Address: Division of Journalism, Boston University, 640 Commonwealth Ave, Boston, Mass. 02115.

WHITE, PROF. DONALD J(OSEPH), b. Cambridge, Mass, June 10, 22. ECONOMICS. B.S. Boston Col, 43; A.M. Harvard, 46, Harris fel, 46, Ph.D., 49. Instr. ECON, BOSTON COL, 46-47, asst. prof, 48-50, assoc. prof, 50-55, PROF, 55-, assoc. dean col. bus. admin, 55-61. Vis. prof, sch. indust. mgmt, Mass. Inst. Tech, 59-60; res. assoc, Harvard, 66-67. Econ. Asn; Indust. Rel. Res. Asn; Arbit. Asn; Acad. Arbit. New England fishing industry; collective bargaining and security; municipal collective bargaining; labor history. Publ: The New England fishing industry, Harvard, 54; Economic efficiency in the fisheries, Proc. Am. Econ. Asn, 5/64; Rights and responsibilities in municipal collective bargaining, Arbit. J, 67. Address: Dept. of Economics, Carney 127, Boston College, Chestnut Hill, Mass. 02167.

WHITE, DR. ELLIOTT, b. Everett, Wash, May 24, 36; m. 62; c. 2. POLITICAL SCIENCE. B.A. Reed Col, 58; M.A. Chicago, 59, Ph.D.(polit. sci), 66. ASST. PROF. POLIT. SCI, TEMPLE, 63- Polit. Sci. Asn. Political sociology, psychology and socialization. Publ: Intelligence and sense of efficacy in children, J. Polit, 8/68; An approach to political socialization, Brit. J. Sociol, 68. Address: Dept. of Political Science, Temple University, Philadelphia, Pa. 19122.

WHITE, DR. ELLIS F, b. Redwood, N.Y., June 4, 11; m. 34; c. 4. HIGHER EDUCATION. B.S. St. Lawrence, 33, M.A., 38; summers, Syracuse, 37 & 38; Ed.D.(admin), N.Y. Univ, 45. Teacher, high sch, N.Y., 34-35; teacher & prin. pub. schs, 35-42; dist. prin, Valley Stream Dist. 30, 42-45; asst. dir. lab. schs, Mansfield State Col, 45-46; dir. demonstration sch. & dean instr, Jersey City State Col, 46-50; pres, Mass. State Col. Fitchburg, 50-53; ed. dir. res. & admin, Am. Social Health Asn, N.Y., 53-58; exec. dir. ed. adv. coun, Int. Bus. Mach. Corp, 58-60; CHMN. DEPT. HIGHER ED, SCH. ED, WASH. SQ, N.Y. UNIV, 60- Vis. scholar, Columbia, 57. Exec. dir, Governors's Cmt. on N.J. Higher Ed, 64-65. Consult, Drew Univ, 65-; regent, Wilmington Col, Del, 68- AAAS; Sociol. Asn; Acad. Polit. & Soc. Sci; Nat. Coun. Family Rel. Administration of higher education; family sociology; American college. Address: 149 Highwood Ave, Leonia, N.J. 07605.

WHITE, E(MMETT) LAMAR, b. Abbeville, Ala, Jan. 16, 17; m. 40; c. 2. HEALTH ECONOMICS. B.S. Auburn, 38; M.A. American Univ, 48. Admin. asst. & economist, Reynolds Metals Co, 40-42; analyst, bd. econ. warfare & for. econ. admin, 42-45; commodity specialist & int. economist, U.S. Dept. State, 45-56; economist, Southwest Res. Inst, 56; res. economist, indust. develop. div, eng. exp. sta, Ga. Inst. Tech, 57-64, head indust. econ. br, 61-64; res. dir, Ga. Dept. Revenue, 64-67; ECONOMIST, OFF. COMPREHENSIVE HEALTH PLANNING, GA. DEPT. PUB. HEALTH, 67- U.S.N.R., 42-43. Econ. Asn; Nat. Tax Asn. Economic development and market potentials of particular areas; industrial location analysis; tax systems and related public finance research; economic aspects of health care. Address: Office of Comprehensive Health Planning, Dept. of Public Health, 1280 Peachtree St. N.W., Atlanta, Ga. 30309.

WHITE, PROF. GERALD T(AYLOR), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WHITE, PROF. GILBERT F(OWLER), b. Chicago, Ill, Nov. 26, 11; m. 44; c. 3. GEOGRAPHY. S.B. Chicago, 32, S.M., 34, Ph.D.(geog), 42; hon. LL.D., Hamilton Col, 54; Swarthmore Col, 56; Sc.D., Haverford Col, 56. Secy. water resources & land cmt. & prin. geogr, Nat. Resources Cmt., Nat. Resources Planning Bd, 36-40; prin. legis. analyst, Bur. of Budget, 41-42; del. Am. Friends Serv. Cmt, Europe, 42-44, asst. exec. secy, 45-48; pres, Haverford Col, 46-55; PROF. GEOG, CHICAGO, 56- Lectr, grad. sch, American Univ, 38-40. Consult, Cmn. Orgn. of Exec. Br, 48-49; Senate Cmt. Water Resources, 60; Lower Mekong Basin invests, 61- V.chmn, President's Water Resources Policy Cmn, 50-51; U.S. mem. adv. cmt. arid zone res, 53-56;

- chmn. spec. cmt. natural resources probs, Nat. Res. Coun, 55-56; panel experts, Integrated River Develop, UN, 57-58; cmt. on water, Nat. Acad. Sci. Nat. Res. Coun, 64-68; Steering Cmt. High Sch. Geog. Proj. 64-; Task Force Fed. Flood Control Policy, 65-66; mem. spec. cmn. weather modification, Nat. Sci. Found, 65-66. Asn. Am. Geog. (pres, 61-62). Conservation of water resources; human adjustment to floods. Publ: Choice of adjustment to floods, Univ. Chicago, 64; Science and the future of arid lands, UNESCO, 61. Address: Rosenwald Hall, University of Chicago, 5624 Dorchester Ave, Chicago, Ill. 60637.
- WHITE, DR. GLENN M, b. Salt Lake City, Utah, Sept. 25, 40. PSYCHOLOGY. A.B. Brigham Young, 64; Nat. Sci. Found. fel, Princeton, 64-65, A.M. 66, Ph.D.(psychol), 67. ASST. PROF. PSYCHOL, ARIZONA, 67- AAAS. Social psychology; motivation; attitude change; hypnosis; pro-social behavior. Publ: Co-auth, Observation and rehearsal as determinants of prosocial behavior, J. Personality & Soc. Psychol, 4/67. Address: Dept. of Psychology, University of Arizona, Tucson, Ariz. 85721.
- WHITE, PROF. HARRISON C(OLYAR), b. Washington, D.C., Mar. 21, 30; m. 55. SOCIOLOGY. B.S. Mass. Inst. Tech, 50, Ph.D.(physics), 55; Ph.D. (sociol), Princeton, 60. Opers. analyst, opers. res. off, Hopkins, 55-56; asst. prof. sociol. & indust. admin, grad. sch. indust. admin, Carnegie Inst. Tech, 57-59; asst. prof. SOCIOL, Chicago, 59-63, assoc. prof, HARVARD, 63-68, PROF, 68- Fel. Center Adv. Study Behav. Sci, Calif, 56-57. Sociol. Asn; Opers. Res. Soc. Mathematical sociology; models of social mobility; preferential marriage systems; formal organization; queueing theory; vacancy chains. Publ: An anatomy of kinship, Prentice-Hall, 63; co-auth, Canvases and careers, Wiley, 64; auth, Management conflict and sociometric structure, Am. J. Sociol, 64. Address: Dept. of Sociology, Harvard University, Cambridge, Mass. 02138.
- WHITE, PROF. H(ENRY) F(ORD), Econ, see 10th ed, Soc. & Behav. Vols.
- WHITE, PROF. HOWARD, b. Garfield, Kans, Sept. 3, 93. GOVERNMENT. A.B. Southwestern Col.(Kans), 16; A.M. Kansas, 17; Paris, 19; Missouri, 20; Ph.D. Illinois, 24; hon. L.H.D. Ohio Northern, 60. Asst. prof, Ohio Wesleyan, 23-25, assoc. prof, 25-27; prof. GOVT. MIAMI (OHIO), 27-64, EMER. PROF, 64- Vis. ed. counsr, Nat. Inst. Pub. Affairs, 39-40; ed. adv. South. Regional Training Prog. Pub. Admin, 44-45; vis. lectr, Coe Col, 67-68. Mem. U.S. del. Atlantic Cong, 59; State Prog. Cmn, Ohio, 49-53; trustee, Murray Seasongood Good Govt. Fund, 53-66; chmn, Cmt. Summer Internships City Admin, 63-66. U.S.A., 17-19, Lt. Polit. Sci. Asn. National, state and local government; public law; executive influence in determining military policy in the United States; city manager government in Hamilton, Ohio. Address: Dept. of Government, Miami University, Oxford, Ohio 45056.
- WHITE, PROF. HOWARD B(URTON), Polit. & Soc. Sci, see 10th ed, Soc. & Behav. Vols.
- WHITE, PROF. H(OWARD) R(AWSON), b. Somerville, Mass, Feb. 1, 14; m. 36; c. 3. PSYCHOLOGY. B.A. Buffalo, 32, M.A. 33; Ph.D.(psychol), Iowa, 36. Psychometrist, gen. hosp, Univ. Iowa, 35-36, asst, 36-37; instr, Maine, 37-40; sch. psychologist, Bd. Ed, Buffalo, N.Y., 40-41; psychologist, psychopath. clin, Recorder's Court, Mich, 41-45; sr. counsr. & lectr, personnel res. inst, Western Reserve, 46; assoc. prof. psychol. & dir. psychol. clin, Bowling Green State, 46-47; chief clin. psychologist, Vet. Admin. Med. Teaching Group, Kennedy Hosp, 47-50, chief clin. psychologist, Vet. Admin. Hosp, Jefferson Barracks, 50-52, area chief psychologist, Vet. Admin. Area Med. Off, 52-57, chief clin. psychologist, Vet. Admin. Center, Togus, Maine, 57-66; PROF. PSYCHOL. & CHMN. DEPT. CALIF. STATE COL. (PA), 66- Res. assoc. Nat. Defense Res. Corp. Proj, Psychol. Corp, 43. U.S.N.R., 44-46, Lt. Comdr. AAAS; Psychol. Asn. Cognitive process; personality theory. Address: 329 College Ave, California, Pa. 15419.
- WHITE, DR. JAMES EUGENE, b. Waukomis, Okla, Sept. 4, 12; m. 41; c. 3. SOCIOLOGY, AGRICULTURAL ECONOMICS. B.A. Washington State, 39; M.S. Iowa State, 40; Ph.D.(sociol), Cornell, 48. Asst. rural sociol, Iowa State Col, 39-40; Cornell, 40-41, sociol, 46-47; instr. pub. affairs, Colgate, 47-48; instr. sociol. & jr. rural sociologist res, Wash. State Col, 48-51; asst. prof. rural sociol, Ohio State, 52; res. analyst labor econ, U.S. Dept. Defense, 52-59; SR. RES. ANALYST SOC. SCI, LIBRARY CONG, 59- U.S.A., 41-46, Res, 46-, 1st Lt. Sociol. Asn; Rural Sociol. Soc; Pop. Asn. Rural sociology; demography, especially in the areas of population and labor force; projections of the labor force; agricultural labor. Publ: Leadership and social structure in a New York rural community, Am. Sociol. Rev. Address: 11139 Dewey Rd, Kensington, Md. 20795.
- WHITE, PROF. JAMES H, b. Havana, Ark, Jan. 7, 23; m. 42; c. 3. AGRICULTURAL ECONOMICS. B.S.A. Arkansas, 52, M.S. 53; Illinois, 53-54, 58; Ph.D.(agr. econ), Okla State, 62. Asst. prof. AGR. ECON, ARKANSAS, 54-62, assoc. prof, 62-67, PROF, 67- Res. assoc, Okla. State Univ, 60-61. U.S.A.F., 40-46. Production economics research; cotton supply and demand. Address: 2770 Elizabeth Ave, Fayetteville, Ark. 72701.
- WHITE, DR. JOHN F, b. Miami, Fla, Oct. 11, 37; m. 61; c. 2. PSYCHOLOGY. B.A. Fla. State, 61, M.S. 63, Ph.D.(psychol), 65. Trainee clin. psychol, Vet. Admin. Hosp, Augusta, Ga, 64-65; ASST. PROF. PSYCHOL, BERE A COL, 65- Field assessment officer, Peace Corp, Morocco IX, summer 67. U.S.N.R., 55-57, Res, 57-61. Psychol. Asn. Application of learning theory to complex human behavior. Address: Dept. of Psychology, C.P.O. 2117, Berea College, Berea, Ky. 40403.
- WHITE, PROF. JOHN P, b. Cincinnati, Ohio, Mar. 7, 24; m. 46; c. 2. POLITICAL SCIENCE. A.B. Cincinnati, 49; A.M. Chicago, 52, Ph.D. 53. Instr. POLIT. SCI, Michigan, 54-57, asst. prof, 57-62; assoc. prof, 62-63; PROF, ARIZONA STATE, 63-, CHMN. DEPT., 64- Soc. Sci. Res. Coun. fel, 54. Res. consult, Mich. Constitutional Convention, 61-62; private consult, 63-64; res. consult, Coun. Orgn. Ariz. State Govt, 67-68. U.S.A., 43-46. Polit. Sci. Asn. American political parties; American state government and politics; legislative apportionment. Publ: Parties, group interests and campaign finance; co-auth, Apportionment and representative institutions, Inst. Soc. Sci. Res, 63; Urban and rural representation and state legislative apportionment, West. Polit. Quart, 64. Address: Dept. of Political Science, Arizona State University, Tempe, Ariz. 85281.
- WHITE, DR. JOHN W(ILLIAM), b. Hamburg, Ark, Apr. 3, 11; m. 39. AGRICULTURAL ECONOMICS. B.S.A. Arkansas, 35; M.S. Minnesota, 39, Ph.D., 43. Field agent, ARKANSAS, 35, asst. county agent, 35-38, co-op. res. supvr, 38-40, from instr. to asst. prof, 40-42, exten. economist, mkt, 42-44, supt. rice sta, 44-47, prof. rural econ. & head dept, 47-53, assoc. dir. agr. exp. sta, 53-59; PROF. AGR. ECON. & V.PRES. FOR AGR, 59- Agr. Econ. Asn. Farm management and agricultural marketing; land tenure and livestock auctions in Arkansas; peach marketing. Address: Division of Agriculture, University of Arkansas, Fayetteville, Ark. 72701.
- WHITE, DR. LEONARD A(LOYSIUS), JR, b. Joplin, Mo, June 23, 33; m. 57; c. 3. ECONOMICS. B.S.B.A. Rockhurst Col, 54; M.S.C. St. Louis, 61, Ph.D. (econ), 63. Instr. ECON, St. Louis, 61-63, asst. prof, 63-65; ASSOC. PROF, ARKANSAS, 65- Nat. Sci. Found. res. grant, 66-67; Res. Reserve Fund grant, 67- Consult, St. Louis Purchasing Agents Asn, 64-65. U.S.N. 54-58, Lt.(jg). Econ. Asn. Antitrust economics; regional development. Publ: Co-auth, Economic growth in Missouri, Mo. Div. Commerce & Indust. Develop, 61 & Exclusive dealing contracts in purchasing, J. Purchasing, 11/67; auth, The use of cost in private antitrust cases, Antitrust Bull, winter 67. Address: Dept. of Economics, BA 218c, University of Arkansas, Fayetteville, Ark. 72701.
- WHITE, DR. LEONARD B, b. Muskingum Co, Ohio, Aug. 21, 16; m. 40; c. 1. SOCIOLOGY. B.S. Ohio, 39; M.S. Oklahoma City, 46; Ph.D.(guid), Ottawa, 54. Teacher, elem. schs, Ohio, 36-42, jr. high sch, 46-51, high sch, 54-56; asst. prof. air sci, Cincinnati, 51-53; sch. psychologist, Muskingum Co. & Zanesville Bd. Ed, 56-59, prin, Jefferson High Sch, Dresden, Ohio, 59-61; supt, Frazesburg-Nashport Schs, 61-66; RES. CONSULT, TUSCARAWAS VALLEY ED. SERV. CENTER, 66- U.S.A.F., 42-46, 51-52, Res, 52-, Lt. Col. Social science; psychology; guidance. Address: 428 Ellen Ave. S.W. New Philadelphia, Ohio 44663.
- WHITE, PROF. LESLIE A, b. Salda, Colo, Jan. 19, 00; m. 31. ANTHROPOLOGY. A.B. Columbia, 23, A.M. 24; summers, California, Los Angeles, 23; Dijon, France, 24; Ph.D.(anthrop), Chicago, 27; hon. D.Sc. Buffalo, 62. Instr. ANTHROP, Buffalo, 27-28, asst. prof, 28-30; MICHIGAN, 30-32, assoc. prof, 32-43, PROF, 43- Curator, Buffalo Mus. Sci, 27-30; lectr, Yenching Univ, 36; Yale, 47; Harvard, 49; California, 57. Summer instr, Chicago, 31, Columbia, 48. U.S.N., 18-19. AAAS; fel, Anthropol. Asn.(pres, 64). Pueblo Indians ethnology; ethnological theory. Publ: The Pueblo of Santa Ana, New Mexico; The science of culture; Evolution of culture. Address: Dept. of Anthropology, University of Michigan, Ann Arbor, Mich. 48104.
- WHITE, DR. LYMAN C(ROMWELL), b. Bradford, Pa, Oct. 28, 06; m. 29; c. 2. INTERNATIONAL RELATIONS, POLITICAL SCIENCE. B.A. Iowa, 28; M.A. Columbia, 29, Ph.D.(int. law & rel, modern European hist), 33, 43-44; Inst. Univ. de Hautes Etudes Int, Geneva, 29-30; summers, Nat. Univ. Mex, 28, Grenoble, 29, Michigan, 37. Prof. polit. sci. & hist, Buena Vista Col, 33-35; instr. polit. sci, Ore. State Col, 35-36; prof. hist, Willamette, 36-37; instr. polit. sci. & hist, North Central Col, 38-39; asst. prof. polit. sci, American Univ, 46; UN Secretariat off. & expert, int. non-govt. orgns, 46-52; writer United Serv. For New Americans, 54-57; RES. & WRITING, 60- U.S.N.R., 43-45, Lt. Polit. Sci. Asn; Hist. Asn; Soc. Int. Law. International non-governmental organizations; immigration and techniques for helping immigrants; psychology. Publ: The structure of private international organizations; International non-governmental organizations, their purposes, methods and accomplishments; 300,000 new Americans, the epic of a modern immigrant aid organization. Address: Hudson View Gardens, New York, N.Y. 10033.
- WHITE, DR. MARIAN E, b. Hartland, N.Y., Aug. 28, 21. ANTHROPOLOGY. A.B. Cornell, 42; M.A. Michigan, 53, Rackham fel, 54-55, Ph.D.(anthrop), 56. Res. fel, Rochester Mus. Arts & Sci, 56-58, asst. prof. ANTHROP. univ. & asst. curator mus, Buffalo, 58-62, ASSOC. PROF, STATE UNIV. N.Y. BUFFALO, 62- Dir, Niagara Frontier Archaeol. Proj, 58- W.A.C., 44-45. Iroquois studies; northeastern United States archaeology. Publ: An Iroquois sequence in New York's Niagara Frontier; Pa. Archaeologist; Prehistoric hunting and fishing camp: the McGee Site, Soc. on the March; Iroquois culture history in the Niagara Frontier Area of New York State, Anthropol. Papers. Address: Dept. of Anthropology, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- WHITE, PROF. M(ARTIN) M(MARSHALL), b. Kyle, Tex, Sept. 23, 04; m. 28; c. 2. PSYCHOLOGY. A.B. Texas, 25, M.A. 26; fel, Chicago, 26-28, Ph.D. (psychol), 30. Asst. prof. PSYCHOL, Oklahoma, 28-30; KENTUCKY, 30-51, assoc. prof, 31-32, PROF, 32-, acting personnel dir, 40-45, head dept. psychol, 44-47, asst. dean, col. arts & sci, 40-46, dean, 47-65. Fel. Psychol. Asn. Muscular tension in relation to learning; physiological changes in emotions; galvanic reflex and blood pressure changes. Address: Dept. of Psychology, University of Kentucky, Lexington, Ky. 40506.
- WHITE, DR. MARY ALICE, b. Washington, D.C., Mar. 18, 20; m. 49; c. 2. PSYCHOLOGY. Ph.D.(psychol), Columbia, 48. Assoc. prof. PSYCHOL, TEACHERS COL, COLUMBIA, 62-66, PROF, 66- Consult, Pelham Sch. Syst, 53-58. Mem. Am. Bd. Exam. Prfnl. Psychol, 66-70; Joint Cmn. Ment. Health Children, 67- Psychol. Asn. Psychology of schooling. Publ: School psychologist; Little red schoolhouse, little green clinic, TC Record, 4/66; Psychology and the educational revolution, Psychol. Schs, 10/67. Address: 60 Forest Ave, Rye, N.Y. 10580.
- WHITE, PROF. MELVIN (RVIN), b. Cincinnati, Ohio, Feb. 4, 18; m. 43; c. 2. ECONOMICS. B.A. Cincinnati, 43; Ph.D. Columbia, 48. Instr. econ, Syracuse, 46-47; economist, taxation & debt mgt, President's Coun. Econ. Advcs, 47-48, govt. finance, Fed. Reserve Bd, 48-50; assoc. prof. ECON, BROOKLYN COL, 50-60, PROF, 60- Lectr, American Univ, 47-50; Columbia Univ. fel, 53-54; res. assoc, Nat. Bur. Econ. Res, 61-; dep. asst. secy. tax policy,

U.S. Treas. Dept. 66-68. Consult, 50-58; U.S. Treas. 62-66. U.S.N. 42-43. Econ. Asn; Finance Asn; Economist. Soc. Public finance; fiscal policy; money and banking; economic analysis. Publ: Deductions for non-business expenses and economic income; Horizontal inequality in federal income tax treatment of homeowners and tenants, Nat. Tax J; Personal income tax reduction in a business contraction. Address: Dept. of Economics, Brooklyn College, Brooklyn, N.Y. 11210.

WHITE, DR. MORRIS, b. Ashland, Ala, July 5, 14; m. 51. AGRICULTURAL ECONOMICS. B.S. Auburn, 38; M.S. Purdue, 48, Ph.D. 50. Asst. county supvr, Farmers Home Admin, 38-39, assoc. county supvr, 39-40, county supvr, 40-42; asst. agr. econ. Purdue, 47-49; assoc. agr. economist, AUBURN, 50-60, AGR. ECONOMIST, 60- U.S.A. 42-46, Res. 51-, Maj. Agr. Econ. Asn. Agricultural policy; marketing poultry and poultry products and grain; agricultural prices. Address: Dept. of Agricultural Economics & Rural Sociology, Auburn University, Auburn, Ala. 36830.

WHITE, DR. ORION FORREST, JR, b. Wharton, Tex, Jan. 24, 38; m. 58; c. 2. POLITICAL SCIENCE. A.B. Texas, 60; Ph.D.(govt), Indiana, 64. ASSOC. PROF. GOVT, TEXAS, AUSTIN, 64- Sociol. Asn; Polit. Sci. Asn; Soc. Pub. Admin. Administrative politics; comparative administration; American political behavior. Publ: Co-auth, Politics in the post-welfare state—a comparison of the United States and Sweden, Carnegie Seminar Admin. & Polit. Develop, 68. Address: Dept. of Government, University of Texas, Austin, Tex. 78712.

WHITE, DR. PHILIP T(AYLOR), Neurol, see 11th ed, Phys. & Biol. Vols.

WHITE, PROF. R(EUEL) CLYDE, Soc. Orgn, see 10th ed, Soc. & Behav. Vols, deceased 64.

WHITE, PROF. ROBERT B, b. Ennis, Tex, Jan. 5, 21; m. 42; c. 3. PSYCHIATRY. B.S. Texas A&M, 41; M.D. Texas, 44; cert. West. New Eng. Inst. Psychoanal, 59. Asst. psychiatrist, Austen Riggs Center, Inc. 51-55, assoc. psychiatrist, 56-59, sr. psychiatrist, 59-62; assoc. prof. PSYCHIAT. DEPT. NEUROL. & PSYCHIAT. MED. BR, TEXAS, 62-67, PROF, 67-; TRAINING ANALYST PSYCHOANAL, NEW ORLEANS PSYCHOANAL. INST, 66-, teaching analyst, 61-66. Consult, alcoholism res. proj, col. med, Baylor, 63-65; Hedgecroft Hosp, Houston, 63- Mem. gen. planning cmt. comprehensive statewide ment. health prog. planning, Tex. State Dept. Health, Austin, 63-65. Med.C, U.S.A. 46-48, Capt. AAAS; Am. Med. Asn; Group Psychother. Asn; fel. Psychiat. Asn; Psychoanal. Asn. Psychoanalysis. Publ: The mother conflict in Schreber's psychosis, Int. J. Psycho-Anal, 61; co-auth, A psychoanalytic therapeutic community, Current Psychiat. Ther, 64; auth, Psychoanalysis, an evaluation, Mod. Perspectives Psychiat, 67. Address: Dept. of Neurology & Psychiatry, University of Texas Medical Branch, Galveston, Tex. 77550.

WHITE, ROBERT M(ANSON), b. Mokanshan, China, July 14, 16; U.S. citizen; m. 41; c. 3. ANTHROPOLOGY. B.S. Haverford Col, 39; Harvard, 39-41, 46-48. Phys. anthropologist, Qm. Climatic Res. Lab, U.S. DEPT. ARMY, Mass, 48-54, Qm. Res. & Eng. Command, 54-61, RES. ANTHROPOLOGIST, BEHAV. SCI. DIV, PIONEERING RES. LAB, NATICK LABS, 61- Consult, to U.S. Dept. Air Force, NATO-Adv. Group for Aeronaut. Res. & Develop. anthropomet. surv, Turkey, Greece & Italy, 60-61, Adv. Res. Proj. Agency, U.S. Dept. Defense anthropomet. surv, Thailand & Vietnam, 62-63. U.S.N.R., 42-46, Res. 46-67, Comdr. Fel. Anthropol. Asn; Human Factors Soc; Soc. Vert. Paleont; Asn. Phys. Anthropol; Sci. Res. Soc. Am. Applied physical anthropology; anthropometry; human engineering. Publ: Anthropometry of army aviators, 61, Anthropometric survey of the Royal Thai Armed Forces, 64 & Anthropometric survey of the armed forces of the Republic of Vietnam, 64, U.S. Army. Address: Pioneering Research Lab, U.S. Army Natick Labs, Natick, Mass. 01760.

WHITE, DR. ROBERT W(INTHROP), b. Brookline, Mass, Oct. 17, 04; m. 40; c. 2. CLINICAL PSYCHOLOGY. A.B. Harvard, 25, A.M. 26, Ph.D.(psychol), 37. Instr. hist, Maine, 26-28; psychol, Rutgers, 30-33; Harvard, 37-41, res. assoc, 41-46, lectr. clin. psychol, 46-58, prof, 58-69, chmn. dept. soc. rels, 57-62; RETIRED. AAAS; Psychol. Asn; Sociol. Asn. Abnormal psychology; development of personality. Publ: Abnormal personality; lives in progress; co-auth, Opinions and personality. Address: Estabrook Rd, Concord, Mass. 01742.

WHITE, DR. RODNEY F(RANCIS), b. Toronto, Ont, Sept. 26, 22; m. 48; c. 3. SOCIOLOGY. B.A. Toronto, 43, B.A.Sc. 48, M.Com. 49; Ph.D.(sociol), Chicago, 64. Lectr. sociol, Saskatchewan, 50-52; asst. to dir. indust. rels, A.V. Roe, Ltd, Can, 52-54; asst. study dir, nat. opinion res. center, Chicago, 56; res. assoc. sociol, CORNELL, 56-57, asst. prof. ADMIN, 57-64, ASSOC. PROF, 64- Res. grant, 66-; prin. investr, Library Manpower Res. Proj, 67- Can. Army, 43-45, Res. 45-, Lt. Am. Sociol. Asn; Am. Pub. Health Asn; Can. Sociol. Asn. Medical sociology; organizational behavior and the sociology of occupations and professions. Publ: Co-auth, Chap. In: Modern concepts of hospital administration, Saunders, 62; auth, Contributions of social science to hospital administration & Preparation for careers in hospital administration in Great Britain, 67, Hosp. Admin. Address: Graduate School of Business & Public Administration, Cornell University, Ithaca, N.Y. 14850.

WHITE, PROF. RUDOLPH ALBERT, b. Townley, Ala, May 3, 24; m. 46; c. 2. ECONOMICS. B.S. Alabama, 51, M.S. 53, Ford Found. fel, 56-58, Ph.D. (econ), 58. Instr. & dept. coordinator, Alabama, Birmingham Center, 51-58; assoc. prof. mgt, MISS. STATE, 58-61, PROF. INDUST. RELS, 61-, DIR. ACAD. AFFAIRS, 67-, dir. bus. grad. studies, 61-67. Consult, proj. improv. teaching voc. students, Ford Found, 64-68. U.S.N. 43-46. Indust. Rel. Res. Asn. Employment and unemployment; poverty; trade unions and collective bargaining. Publ: Personal and professional characteristics of Mississippi's scientific and technical personnel, 63 & College enrollments in Mississippi to 1975, 65, Bur. Bus. Res. Miss. State Univ. Address: Dept. of Industrial Relations, Mississippi State University, State College, Miss. 38762.

WHITE, PROF. SHELDON H(AROLD), b. New York, N.Y., Nov. 30, 28; m. 58. PSYCHOLOGY. A.B. Harvard, 51; M.A. Boston, 52; Ph.D. Iowa, 57. Instr. psychol, Chicago, 57-59, asst. prof, 59-63 & 64-65; vis. res. fel, center cognitive studies, HARVARD, 63-64, assoc. prof. PSYCHOL, GRAD. SCH. ED, 65-67, prof, 67-68, ROY E. LARSEN PROF, 68- Consult, Nat. Inst. Ment. Health & Ed. Testing Serv, 66-; Off. Econ. Opportunity, 67- Cor. ed, J. Child Psychol. & Psychiat, 64- U.S.A. 52-54. AAAS; Psychol. Asn; Soc. Res. Child Develop; Soc. Psychophysiol. Res; Brit. Asn. Child Psychol. & Psychiat. Learning and cognitive processes in children; attention processes; developmental theory. Address: Larsen Hall, Appian Way, Harvard University, Cambridge, Mass. 02138.

WHITE, DR. T. K. JR, b. Stockbridge, Ga, Aug. 6, 35; m. 61; c. 2. AGRICULTURAL ECONOMICS. B.S. Georgia, 57, M.S. 60; Ph.D.(econ), N.C. State, 66. Res. asst. AGR. ECON, Georgia, 58-60; instr. N.C. State, 60-63, econ. adv, Agency Int. Develop. Agr. Mission, Peru, 63-65, instr. univ, 65-66; ASST. PROF, PURDUE, 66- U.S.A. 57-58, Res. 58-63, Capt. Agr. Econ. Asn. Farm management; farm firm growth; agricultural production efficiency; economic development. Publ: Co-auth, The southern Appalachian region A survey, Univ. Kentucky, 62, Farm adjustments for changes in resource levels, product prices and allotments: area 7, N.C., N.C. State Col, 63 & Capacity of Quinna to compete for consumer expenditures and farm resources, N.C. Univ. Agr. Mission Peru, 65. Address: Dept. of Agricultural Economics, 575 Krannert Bldg, Purdue University, Lafayette, Ind. 47907.

WHITE, DR. THOMAS E(DWARD), b. Donora, Pa, Aug. 16, 25; m. c. 2. ECONOMICS. B.S. Pittsburgh, 49, Ph.D. 54; M.A. American Univ, 51; summers, Pennsylvania, 55, Georgetown, 57. Instr. econ, Shaw, 51-52; assoc. prof. Hampton Inst, 54-60; res. asst, Nat. Bur. Econ. Res, 60-61; Columbia, 61; ECONOMIST labor econ, U.S. DEPT. LABOR, 61-62, SOC. INS, 62- Assoc. prof. lectr, Langley Resident Center, George Washington, 59; Econ-in-Action summer fel, Case, 58. U.S.A. 44-46. Econ. Asn. Economics of private and public pensions systems and medical care programs. Address: 110 Periwinkle Court, Greenbelt, Md. 20770.

WHITE, W(ALTER) E(DMUND), Electronics, Math, see 11th ed, Phys. & Biol. Vols.

WHITE, DR. WENDELL, Psychol, see 10th ed, Soc. & Behav. Vols. Latest known address: 8969 Grossmont Blvd, La Mesa, Calif. 92041.

WHITE, DR. WILFORD L(ENFESTEY), b. Marion, Ind, Jan. 10, 97; m. 22. ECONOMICS. A.B. Colorado, 20; M.B.A. Harvard, 21, D.C.S.(mkt), 29. Prof. sch. bus. admin, Texas, 28-37; chief mkt. res. div, Bur. For. & Domestic Commerce, U.S. Dept. Commerce, 34-50, Off. Small Bus, 50-52, dir, small bus. admin, 52-64; PROF. LECTR. ECON. & DIR. SMALL BUS. GUID. & DEVELOP. CENTER, HOWARD, 64- Lectr, American Univ, 31-32; prof. lectr, George Washington, 35-43. Economist, chain store inquiry, Fed. Trade Cmn, 30-32. U.S.A. 18-19. Econ. Asn; Mkt. Asn.(pres, 34, treas, 45-50, v.pres, 50); Inst. Mgt. Sci; Mgt. Asn; Soc. Adv. Mgt; Acad. Mgt. Marketing; management; small business. Publ: Cooperative retail buying associations; Chain store wages. Address: 4000 Massachusetts Ave. N.W, Apt. 331, Washington, D.C. 20016.

WHITE, DR. WILLIAM F, b. Syracuse, N.Y., June 26; m. 63; c. 2. EDUCATIONAL PSYCHOLOGY. A.B. St. Bernard's Col, 46; California, Berkeley, 61-62; Ed.M. Buffalo, 62; Ph.D.(ed. psychol), State Univ. N.Y. Buffalo, 64. ASSOC. PROF. ED. PSYCHOL, GEORGIA, 64- Psychol. Asn; Ed. Res. Asn. Psychosocial principles applied to classroom teaching. Publ: Psychosocial principles applied to classroom teaching, McGraw, 68; co-auth, Generalized effects of praise and reproof, J. Ed. Psychol, 66 & A study of scaled dimensions of teacher behavior as perceived by students, J. Psychol, 67. Address: College of Education, University of Georgia, Athens, Ga. 30601.

WHITE, DR. WILLIAM H(AROLD), b. Boston, Mass, Oct. 14, 22. ECONOMICS. A.B. Harvard, 44, M.A. 48, Ph.D.(econ), 54. Economist, RES. DEPT, INT. MONETARY FUND, 48-67, SR. ECONOMIST, 67- Mem. sr. staff, Brookings Inst, 59-60. Econ. Asn. International trade; monetary policy; fiscal policy. Publ: Interest inelasticity of investment demand, the case from surveys re-examined, Am. Econ. Rev; Flexibility of anticyclical monetary policy, Rev. Econ. & Statist; Trade credit and monetary policy; a reconciliation, Econ. J, 12/64. Address: International Monetary Fund, 19th & H St. N.W, Washington, D.C. 20431.

WHITEFORD, PROF. ANDREW HUNTER, b. Winnipeg, Man, Sept. 1, 13; nat; m. 39; c. 4. ANTHROPOLOGY. A.B. Beloit Col, 37; M.A. Chicago, 43, Cmt. Soc. Rel. fel, 45-46, Ph.D. 50. Res. supvr, lab. anthropol, Works Prog. Admin, Univ. Tennessee, 38-42; PROF. ANTHROP. BELLOIT COL. & DIR, LOGAN MUS. ANTHROP, 43- Res. grants, Soc. Sci. Res. Coun, 51, Wenner-Gren Found. for Anthropol. Res, 50, Am. Coun. Learned Soc-Soc. Sci. Res. Coun, 62; Nat. Sci. Found. faculty fel, 61; Nat. Sci. Found. undergrad. res. participant grant, 66. Mem. Upper Amazon Ethnological Collecting Trip, 65; Community Surv, Oaxaca, Mex, 66. Fel. Anthropol. Asn. Contemporary Latin American culture and society; anthropology in education; museology; social structure. Publ: Ed, A reappraisal of economic development, Aldine, 67; auth, Two cities of Latin America: a comparative description of social classes & ed, Teaching anthropology, Logan Mus. Bull. Address: 2550 Hawthorne Dr, Beloit, Wis. 53511.

WHITEHEAD, PROF. FRANCES M(ARGARET), Econ, see 10th ed, Soc. & Behav. Vols, deceased.

WHITEHEAD, DR. WILLIAM A(RTHUR), b. Topeka, Kans, Nov. 9, 28; m. 52; c. 1. PSYCHOLOGY. B.A. Kansas, 50; Ph.D. Vanderbilt, 56. Chief psychol. servs, Cent. State Hosp, Nashville, Tenn, 57-59; CLIN. PSYCHOLOGIST, VET. ADMIN. HOSP, 59- Clin. instr. sch. med, Vanderbilt, 57-59; lectr, Washburn, 60- Consult, State Dept. Voc. Rehab, Tenn, 57-59. U.S.A. 51-53. Psychol. Asn. Behavioral effects of drugs, learning theory and group psychotherapy. Publ: Effects of chlorpromazine on learning in chronic psychotics, J. Consult. Psychol. Address: Psychology Service, Veterans Administration Hospital, Topeka, Kans. 66622.

WHITEHILL, PROF. ARTHUR M(URRAY), JR, b. Bronxville, N.Y. Nov. 26, 19; m; c. 2. BUSINESS ADMINISTRATION. B.S. Virginia, 42, M.A., 43, Ph.D., 45. Res. asst, Virginia, 44-48; vis. fel, Harvard, 48-49; asst. prof. bus. admin, North Carolina, Chapel Hill, 49-55; Reynolds prof. human rels. in indust, 55-65; PROF. INT. MGT, HAWAII, 65- Fulbright lectr, Japan, 57-58; sr. specialist, Inst. Adv. Proj, East-West Center, 63-64. Summers, Am. Philos. Soc. res. scholar, 59 & 60. Consult, M.B.A. prog, Armed Forces, Japan, 66-67. Asn. Ed. Int. Bus; Acad. Mgt. Approaches to training in human relations; communication in business; labor economics; human problems in industrial development: a five-nation study; labor-management relations in Japan and the United States. Publ: Personnel relations: the human aspects of administration; Cases on human relations in management; co-auth. The other worker: a comparative study of industrial relations in the United States and Japan, East-West Center Press, 68. Address: College of Business Administration, University of Hawaii, Honolulu, Hawaii 96822.

WHITEHORN, DR. JOHN C(LARE), Psychiat, see 11th ed, Phys. & Biol. Vols.

WHITEHOUSE, DR. FREDERICK A, b. New York, N.Y., July 23, 10; m. 36; c. 1. PSYCHOLOGY. A.B. St. John's (N.Y.), 32; M.A. Columbia, 40; Ed.D. N.Y. Univ, 52. Counsr, div. voc. ed, State Dept. Ed, Conn, 43-47; dir. voc. rehab, Inst. Crippled & Disabled, 47-53; dir. rehab, Am. Heart Asn, 53-65; PROF. ed. & soc. work, Pittsburgh, 65-66; ED, HOFSTRA, 66-, lectr, distinguished lect. series, 67. Fel. AAAS; fel. Psychol. Asn; Rehab. Asn. (Faulkes award, 65); Personnel & Guid. Asn; fel. Pub. Health Asn. Rehabilitation; counseling. Publ: Rehabilitation as a concept in the utilization of human resources; Teamwork: a democracy of professions; Habilitation: concept and process. Address: 68 Transverse Rd, Garden City, N.Y. 11530.

WHITEHOUSE, DR. WILLIAM W(HITCOMB), b. Yorkshire, Eng, Oct. 28, 91. ECONOMICS. A.B. Lebanon, 16; B.D. Garrett Biblical Inst, 17; A.M. Lawrence Col, 19; Th.D. Drew Theol. Sem, 22; Ph.D. Northwestern, 27; hon. LL.D. Wayne State, 46, Mich. State, 55, Michigan, Albion Col; L.H.D. Ohio Wesleyan; D.D. Adrian Col. Prof. econ. & sociol, Albion Col, 22-29, dean, 29-39; dean col. lib. arts, Wayne State, 39-45; pres, ALBION COL, 45-61, EMER. PRES, 61- Lectr, Northwestern, Illinois, Purdue, Michigan, Yale; dir, Jackson City Bank & Trust Co, 61. Consult, Am. Asn. Cols. Teacher Ed; cols. & univs. Chmn. bd. trustees, Citizens Res. Coun, Mich; Mich. Indust. Ambassador; mem. President Eisenhower's Cmt. on Scientists and Engrs; State Adv. Cmt. Reorgn, Mich; exec. cmt. Mich. White House Conf. on Ed. Econ. Asn; Sociol. Asn; Asn. Am. Cols.(pres, 58). Family and teacher education; sociological organization; promoting normal homes. Address: Box 489, Albion, Mich. 49224.

WHITEHURST, PROF. CLINTON HOWARD, JR, b. Richmond, Va, May 29, 27; m. 57; c. 2. ECONOMICS. B.S. Fla. State, 57, M.A., 58; Relm Found. fel, Virginia, 58-59, Ph.D. 62. Asst. prof. INDUST. MGT. CLEMSON, 60-62, ASSOC. PROF, 62-, HEAD DEPT, 64-, CHMN. ENG. MGT. FACULTY, 65-U.S.A., 53-55; U.S.N.R., 58-, Lt. AAAS; Econ. Asn; Inst. Indust. Eng; Economet. Soc. Regional economic analysis, particularly as applied to transportation and location of economic activity; management science, particularly in regional economic problems and management decision making. Publ: The road around: a study of the economic impact of highway bypasses on rural South Carolina cities and towns, Bur. Pub. Roads, 65; The Merchant Marine Act of 1936: an operational subsidy in retrospect, J. Law & Econ, 65; Administration and technical competence, J. Indust. Eng, 67. Address: Dept. of Industrial Management, Clemson University, Clemson, S.C. 29631.

WHITEHURST, PROF. KETURAH E(LISABETH), b. Marianna, Fla, Mar. 12, 12. PSYCHOLOGY. U.S. Pub. Health Serv. fel. & Ph.D.(clin. psychol), Radcliffe Col. Asst. prof. PSYCHOL, Fla. Agr. & Mech. Col, 34-44; assoc. prof, Va. State Col, 49-54; assoc. prof. & assoc. dir. child develop. prog, Fisk, 54-56, prof. & dir, 56-58; PROF. & CHMN. DEPT, VA. STATE COL, 58- Lectr, Meharry Med. Col, 54-58. Psychol. Asn. Child development; mental retardation; psychodiagnostics. Address: Dept. of Psychology, Virginia State College, Petersburg, Va. 23806.

WHITEIS, PROF. U(LYSSES) E(DWARD), b. Blue Earth, Minn, Apr. 17, 11; m. 44; c. 1. EDUCATIONAL PSYCHOLOGY. B.E. Winona State Col, 35; univ. fel, Harvard, 46-48; Ed.D. 56. Asst. prof. PSYCHOL. & ED, CENT. CONN. STATE COL, 48-56, assoc. prof, 56-62, PROF, 62- U.S. Merchant Marine, 42-45. Psychol. Asn. Experimental and applied psychology; learning theory; counseling and psychotherapeutic techniques; technology of teaching and counseling. Publ: Punishment's influence on fear and avoidance & Poor scholarship in college: two interpretations and an experimental test, Harvard Ed. Rev. Address: Dept. of Philosophy & Psychology, Central Connecticut State College, New Britain, Conn. 06050.

WHITELAW, DORIS S(MITH), Sociol, see 10th ed, Soc. & Behav. Vols.

WHITELEY, PROF. PAUL L(ROY), b. Summitville, Ind, Dec. 31, 93; m. 33; c. 1. PSYCHOLOGY. A.B. Earlham Col, 20; fel, Chicago, 22-23, A.M., 23, Ph.D.(psychol), 27; hon. Ped.D. Franklin & Marshall Col, 66. Assoc. prof. PSYCHOL, Colgate, 27-30; prof, FRANKLIN & MARSHALL COL, 30-59, EMER. PROF, 59- Prof. psychol. & chmn. dept, Earlham Col, 59-62; vis. prof, Gettysburg Col, 62-63; adj. prof, Franklin & Marshall Col, 64-65; vis. prof, Lincoln, 65-66. Fel. AAAS; fel. Psychol. Asn. Learning; memory; personality factors. Publ: Dependence of learning and recall upon prior intellectual activity; Curve of retention for poetry; Study of the Allport-Vernon test for personal values. Address: 425 N. President Ave, Lancaster, Pa. 17603.

WHITEMAN, DR. IRVIN R, Statist, see Suppl. V to 11th ed, Phys. & Biol. Vols.

WHITEMAN, PROF. MARTIN, b. U.S., Sept. 23, 22; m. 48. PSYCHOLOGY. B.A. Brooklyn Col, 45; M.A. N.Y. Univ, 49, Ph.D.(psychol), 52. Asst. res. prof. psychol, Delaware, 52-61; assoc. res. prof, N.Y. Med. Col, 61-63; assoc. prof. CLIN. PSYCHOL, SCH. SOC. WORK, COLUMBIA, 63-67, PROF, 67- U.S.A., 45-46. Psychol. Asn. Personality and motivation theory. Publ: Anticipated frustration as a determinant of anxiety, J. Gen. Psychol; Per-

formance of schizophrenics on social concepts, J. Abnorm. & Soc. Psychol; Children's conceptions of psychological causality, Child Develop, 67. Address: 80-82 222nd St, Queens Village, N.Y. 11427.

WHITESMAN, DR. PAUL H(ENRY), Psychol, see 10th ed, Soc. & Behav. Vols.

WHITESMAN, DR. R(USSELL) G(EOGE), b. Dogden, N.Dak, Mar. 12, 17; m. 42; c. 3. POLITICAL SCIENCE. A.B. Minnesota, 38, A.M., 40; Ph.D. Cornell, 47. Asst. prof. polit. sci, Iowa, 47-49, assoc. prof, 50-61; prof. polit. sci. & assoc. dean lib. arts & sci, Northern Illinois, 61-68; V.CHANCELLOR, CALIF. STATE COLS, 68- U.S.A., 42-45, 51-52, Maj. Polit. Sci. Asn; Soc. Pub. Admin. Congressional powers and oversight of administration. Address: California State Colleges, 5670 Wilshire Blvd, Los Angeles, Calif. 90036.

WHITESMAN, DR. THEODORE LEWIS, b. Charleston, Ill, Nov. 2, 07; m. 61. ECONOMICS, POLITICAL SCIENCE. B.Ed. Eastern Illinois, 31; B.S. Illinois, 32, scholar, 32-33; fels, 33-35, M.S. 34, Ph.D.(econ), 52. Asst. prof. econ, Parsons Col, 40-41; instr. indust. & eng. admin, Cornell, 41-46, asst. prof, 49-50; econ, Arkansas, 46-48; Detroit, 48-49; Illinois, 52; assoc. prof. finance, Montana State, 52-55; soc. sci, Winona State Col, 55-58; econ, La. Polytech, 58-62; econ. & finance, Texas, Arlington, 62-67, PROF. ECON, 67- Ford Found. summer fel, regional faculty res. seminar, Vanderbilt, 61. Econ. Asn; Finance Asn; Am. Acct. Asn. Government regulation of electric, natural-gas utilities and petroleum pipe lines; development of thermal electric-power capacity by the Tennessee Valley Authority in the period 1946 to 1962. Publ: Recent federal regulation of the petroleum pipe line as a common carrier, Cornell Law Quart; Natural-gas conservation as a national problem, Current Econ. Comment; Some comments on the social aspects of science, Proc. Minn. Acad. Sci. Address: Dept. of Economics, University of Texas at Arlington, Arlington, Tex. 76010.

WHITESMAN, DR. WILLIAM ELI, b. Fries, Va, Nov. 20, 37; m. 60; c. 1. ECONOMICS. A.B. Davidson Col, 60; Ph.D.(econ), Texas, Austin, 63. Instr. mgt, eve. div, Virginia, 64-65; ASST. PROF. ECON, FRANKLIN & MARSHALL COL, 65- Faculty summer res. award, 66. Consult, Lancaster City Planning Cmn, 67; Mayor's Cmt. Taxation, 67-, Fed. Reserve Bank Phila, summer, 67. Econ. Asn; Finance Asn; Asn. Evolutionary Econ. Monetary and fiscal policy. Publ: The federal reserve system's bills only policy, J. Finance, 3/64; co-auth, Training and the learning process, Personnel, 7-8/65; contrib, The federal reserve portfolio, Joint Econ. Cmt, 66. Address: Dept. of Economics, Franklin & Marshall College, Lancaster, Pa. 17603.

WHITESIDE, DR. STELLA, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.

WHITIN, PROF. T(HOMSON) M(ELINTOCK), b. Worcester, Mass, Jan. 12, 23; m. 49; c. 4. ECONOMICS. A.B. Princeton, 43, M.A., 49, Ph.D.(econ), 52. Asst. econ, Princeton, 49-51, instr, 51-52, res. assoc, 52-53; asst. prof. indust. mgt, Mass. Inst. Tech, 53-56, assoc. prof, 56-60; PROF. bus. admin, California, Berkeley, 60-63; ECON, WESLEYAN, 63- Ford Found. faculty study grant, 62-63; Nat. Sci. Found. fel, 66-67. Consult, Rand Corp, 54-61; Stanford Res. Inst, 58, 60; Sys. Res. Group, 59; United Res. Corp, 59-60; Gen. Elec. Co, 62. Chief economist, U.S. Atomic Energy Cmn, 56-58. U.S.N.R., 43-46. Economic Asn; fel. Economet. Soc; Inst. Mgt. Sci.(secy-treas, 57, secy, 58); Opers. Res. Soc. Economic theory; inventory theory; operations research; logistics. Publ: Theory of inventory management; co-auth, Analysis of inventory systems; auth, Classical theory, Graham's theory and linear programming in international trade, Quart. J. Econ. Address: Dept. of Economics, Wesleyan University, Middletown, Conn. 06457.

WHITING, PRES. A(LBERT) N, b. Jersey City, N.J., July 3, 17; m. 50; c. 1. SOCIOLOGY. A.B. Amherst Col, 38; Nat. Urban League fel, Pittsburgh, 38-39; M.A. Fisk, 41; Ph.D.(sociol), American Univ, 52. Instr. sociol, Bennett Col, 41-43, 46-47, dir. rural studies, 46-47; asst. prof. sociol, Atlanta, 48-53; acad. dean, Morris Brown Col, 53-57; Morgan State Col, 59-67; PRES, N.C. COL. DURHAM, 67- Mem. cmn. acad. affairs, Am. Coun. Ed, 66-69. U.S.A., 43-46, Lt. Sociol. Asn; Sci. Teachers Asn. Social psychology; personality research; sociology of religion; cults and sects; urban sociology; community action; college cultures. Publ: Some theoretical and methodological problems in community studies, Soc. Forces; co-auth, Group study and action problems in Atlanta, Col. Progs. in Inter-Group Rel; auth, The student culture and the educational enterprise, Lib. Ed, 12/64. Address: North Carolina College at Durham, Durham, N.C. 27707.

WHITING, PROF. ALFRED F(RANK), b. Burlington, Vt, May 22, 12; c. 2. ANTHROPOLOGY. B.S. Vermont, 33; M.A. Michigan, 34; Chicago, 36-41. Asst. prof. anthrop, Oregon, 44-47; dist. anthropologist, U.S. Trust Territory of Pac, Ponape, 52-54; teacher, high sch, Mass, 54-55; CURATOR ANTHROP, MUS, DARTMOUTH COL, 55-, ADJ. ASST. PROF, DEPT. ANTHROP, 66-, asst. prof, 61-68. Anthropol. Asn. Ethnobotany, ethnology of the Southwest and Micronesia. Publ: The ethnobotany of the Hopi, Bul. Mus. North. Ariz; The Tumacacori census of 1796, Kiwa; The present status of ethnobotany in the Southwest, Econ. Bot, 66. Address: Dartmouth College Museum, Hanover, N.H. 03755.

WHITING, DR. ALLEN S(UESS), b. Perth Amboy, N.J., Oct. 27, 26; m. 50; c. 2. POLITICAL SCIENCE. A.B. Cornell, 48, M.A. Columbia, 50, Gilder fel, 50-51, Soc. Sci. Res. Coun. fel, 51, Ph.D.(int. rels), 52. Instr. polit. sci, Northwestern, 51-53; Ford Found. fel, 53-55; asst. prof. polit. sci, Mich. State, 55-57; mem. staff, soc. sci. div, Rand Corp, 57-61; U.S. Dept. State, 61-62, dir. off. res. Far East, 62-66; dep. prin. officer, Am. Consulate Gen, Hong Kong, 66-68; PROF. POLIT. SCI, MICHIGAN, 68- Vis. assoc. prof, Columbia, 60. Consult, Rand Corp, 55- U.S.A., 45. Polit. Sci. Asn; Asn. Asian Studies. International relations; Soviet studies; China. Publ: China crosses the Yalu; Soviet policies in China: 1917-1924; co-auth, Sinkiang: pawn or pivot? Address: Dept. of Political Science, University of Michigan, Ann Arbor, Mich. 48104.

WHITING, PROF. JOHN W(ESLEY) M(AYHEW), b. Chilmark, Mass, June 12, 08; m. 38; c. 2. ANTHROPOLOGY. Ph.B, Yale, 31, Ph.D.(anthrop), 38. Instr. exp. & clin. psychol, inst. human rels, Yale, 38-39, asst. anthrop. & psychol, 39-42, 45-47; asst. prof. anthrop, child welfare res. sta, Iowa, 47-49; lectr. ed, grad. sch, HARVARD, 49-52, res. assoc, 49-53, assoc. prof, 52-55, dir. lab. human develop, 53-62, prof, 55-60, Bigelow prof, 60-62, PROF. SOC. ANTHROP, 62- Dir. child develop. res. unit, Univ. Col. Nairobi, Kenya, 66. U.S.N.R, 42-46. Fel. Psychol. Asn; fel. Anthropol. Asn. Socialization and child training in Kwoma, New Guinea; comparative research on child training in primitive societies; child training in American society. Publ: *Becoming a Kwoma*; co-auth, *Child training and personality*; Field guide for the study of socialization, Wiley, 66. Address: Dept. of Anthropology, Harvard University, Cambridge, Mass. 02138.

WHITING, THEODORE E(UGENE), b. Austinburg, Ohio, Mar. 4, 05; m. 34. ECONOMICS, STATISTICS. A.B. Oberlin Col, 27; M.A. Wisconsin, 31, Columbia, 32-34. Asst. treas. off, Oberlin Col, 27-29, asst. econ, 30; economist & statistician, Commonwealth of Mass. Spec. Cmn. Stabilization Employ, 31-32; statistician, Fed. Emergency Relief Admin. & Works Progress Admin, 34-42; Hq. Army Serv. Forces, 42-44, statist. analyst, Combined Chiefs of Staff, 44-45, asst. to dir. int. div, 45-46, chief statist. div, Comptroller of Army, 46-65; ECON. & STATIST. CONSULT, 65- Asst. dir. statist. div, Fed. Emergency Relief Admin. & Works Progress Admin, 34-42. Except. civilian serv. decoration, Secy. of War, 46, meritorious civilian serv. medal, 65. Statist. Asn. Statistics for management and economic analysis. Publ: Final statistical report of the Federal Emergency Relief Program; co-auth, Summary of relief and work program statistics & fluctuation in employment in Cleveland and Cuyahoga County. Address: 4000 Massachusetts Ave. N.W. Apt. 1113, Washington, D.C. 20016.

WHITLEY, PROF. OLIVER R(EAD), b. Lebanon, Mo, Oct. 21, 18; m. 44; c. 2. SOCIOLOGY OF RELIGION. B.A. Drake, 40, M.A. 41; Ph.D.(relig), Yale, 52. Asst. prof. SOCIOL, Park Col, 52-53, PROF, Phillips, 55; LLIF SCH. THEOL, 56- Am. Asn. Theol. Schs. fel, 62-63. U.S.N.R, 44-46. Sociol. Asn; Soc. Sci. Study Relig. Sociology of religion; social ethics. Publ: Trumpet call of reformation; Religious behavior: where sociology and religion meet, Prentice-Hall, 64; Sociological images and the church, Bethany, in press. Address: Iliff School of Theology, 2201 S. University, Denver, Colo. 80210.

WHITLOW, PROF. CHARLES M(ILTON), b. Hope, N.Dak, Nov. 16, 04; m. 40; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. B.S. North Dakota, 28; M.S. N.Y. Univ, 29; Ph.D.(econ), Illinois, 37. Prof. mkt. & head dept. Cent. Y.M.C.A. Col, 37-42; sr. economist, Off. Price Admin, Ill, 42-45, regional economist, 45-46; PROF. BUS. MKT. & TRANSPORTATION, SOUTHERN CALIFORNIA, 46- Econ. Asn. Publ: Principles of retailing; co-auth, Competition in marketing, Grad. Sch. Bus, Univ. Southern California, 64. Address: 3475 Redondo Blvd, Los Angeles, Calif. 90016.

WHITLOCK, PROF. GERALD H(ENDRY), b. Chester, S.C, Feb. 5, 25; m. 53. PSYCHOLOGY. B.A. South Carolina, 48, M.A. 50; Ph.D. Tennessee, 54. Psychometrist, South Carolina, 48-49, instr. psychol. & student counsr, 49-50; instr. psychol, Tennessee, 50-52; training & personnel res, Union Carbide Nuclear Co, 52-55; assoc. prof. INDUST. MGT, TENNESSEE, 55-58, PROF, 59- Mgt. consult, Union Carbide Nuclear Co, 55- Mem. nat. adv. bd, Syracuse Library Continuing Ed, 67- U.S.N, 43-46. AAAS; Soc. Training & Develop; Psychol. Asn; Indust. Rels. Res. Asn. Selection; training; morale; programmed learning; criterion development; psychophysics of judgement processes; attitude measurement. Publ: Application of the psychophysical law to performance evaluation, J. Appl. Psychol, 63; Programmed learning: some non-confirming research, 67 & ed, Training research abstracts, Training & Develop. J. Address: 4804 Westover Terr, Knoxville, Tenn. 37914.

WHITLOW, PROF. CLAUDE J(OHN), Econ, see 10th ed, Soc. & Behav. Vols,

WHITMAN, DR. JAMES R(OBERT), b. Portland, Ore, Aug. 24, 10; m. 36. PSYCHOLOGY. B.A. Oregon, 31, Ph.D.(psychol), 57; M.A. Reed Col, 51; Stanford, 51-54. Chief clin. appln. sect, psychophysiol. res. lab, Vet. Admin. Hosp, Perry Point, Md, 58-63; CHIEF RES. SERV, VET. ADMIN. HOSP, 63- Dipl. Am. Bd. Exam. Psychol. Hypnosis, 61. U.S.A.A.F, 42-46, Res, 46-, Lt. Col. AAAS; Psychol. Asn; Soc. Clin. & Exp. Hypnosis. Learning theory; suggestibility; comparative psychology. Publ: Co-auth, Form and amount of internal structure as factors in free recall learning of nonsense words, 4:257-266 & auth, Form of internal and external structure as factors in free recall and ordered recall, 5:68-74, J. Verbal Learning & Verbal Behav; co-auth, Estrous activity cycle in the white rat: a function of time in activity, Psychonomic Sci, 8:491-492. Address: Research Service, Veterans Administration Hospital, American Lake, Wash. 98493.

WHITMAN, DR. LAURIS B, b. West Minot, Maine, Oct. 26, 09; m. 33, 67; c. 2. SOCIOLOGY, RURAL SOCIOLOGY. A.B. Bates Col, 30; B.D. Andover Newton Theol. Sch, 33; M.S. Pa. State, 51, Ph.D. 52. Dir. town & country church work, Mont. Baptist Conv, 43-48; res. assoc. & instr. rural sociol, Pa. State, 48-53; dir. field res, NAT. COUN. CHURCHES, 53-55, exec. dir. bur. res. & surv, 55-67, SPEC. ASST. PROG. DEVELOP. & ED, YEARBOOK AM. CHURCHES, 67- Consult. cmm. institutionalism, World Coun. Churches. Sociol. Asn; Rural Sociol. Soc; Soc. Sci. Study Relig.(v.pres, 59); Asn. Pub. Opinion Res; Soc. Appl. Anthropol. Church and society; population analysis; community. Publ: Churches and church membership, Nat. Coun. Churches, 58; co-auth, National religious education survey, Westminster, 67. Address: National Council of Churches, 475 Riverside Dr, New York, N.Y. 10027.

WHITMAN, DR. MARINA von NEUMANN, b. New York, N.Y, Mar. 6, 35; m. 56; c. 2. ECONOMICS. A.B. Radcliffe, 56; Friedman fel, Columbia, 58-59, M.A. 59, Earhart fel, 59-60, Ph.D. 61. Staff economist, Pittsburgh Regional Econ. Study, 62; lectr. ECON, PITTSBURGH, 62-64, asst. prof, 64-66, ASSOC. PROF, 66-, INT. STUDIES PROG. RES. GRANTS, 65- Am. Asn. Univ. Women fel, 61-62. AAAS; Econ. Asn; Royal Econ. Soc. International finance; international flow of private funds; international versus regional analysis, similarities and differences; the nature of economic openness.

Publ: Co-auth, Economic study of the Pittsburgh region, Univ. Pittsburgh, 64; auth, Government risk-sharing in foreign investment, Princeton, 65 & International and interregional payments adjustment: a synthetic view, Int. Finance Sect, Princeton, 67. Address: 5308 Ellsworth Ave, Pittsburgh, Pa. 15232.

WHITMAN, PROF. W(ILLIAM) TATE, b. Boaz, Ala, Oct. 26, 09; m. 36; c. 2. ECONOMICS. A.B. Duke, 29, A.M. 33, Ph.D.(econ), 43. Asst. prof. ECON, The Citadel, 36-47; assoc. prof, EMORY, 47-51, prof, 51-60, CANDLER, PROF, 60-, acting chmn. dept, 65-68. Instr. Duke, 39-40. Econ. Asn; Indust. Rels. Res. Asn. Development of economic thought; labor economics; business and government. Publ: Co-auth, Investment timing, the formula plan approach; Corporate earning power and market valuation; Marketing management, Health, 64. Address: 1533 Emory Rd. N.E, Atlanta, Ga. 30306.

WHITMARSH, DR. GERALD A(RTHUR), b. Greensboro, N.C, June 14, 31. PSYCHOLOGY. B.A. Trinity Col.(Conn), 53, M.A. 55; U.S. Pub. Health Serv. fel, Connecticut, 59-60, Ph.D.(psychol), 61. Asst. psychol, Connecticut, 55-59; psychiat. inst, Univ. Maryland Hosp, Baltimore, 60-61; staff psychologist, Springfield State Hosp, 61-64; chief psychol. serv. & dir. res, Md. Children's Center, 64-66; dir. psychol. serv, SHEPPARD-PRATT HOSP, 66-68, DIR. RES, 68- Instr. sch. med, Hopkins, 66; asst. prof, psychiat. inst, sch. med, Maryland, 67. Consult. psychologist, Baltimore County Dept. Health, 62-66; Hopkins Univ. Hosp, 66; consult. psychol, Md. Children's Center, 66. AAAS; Psychol. Asn. Verbal behavior; adolescents; juvenile delinquency; research design. Publ: Co-auth, Use of free associational norms for the prediction of generalization of salivary conditioning to verbal stimuli & Partial response identities in verbal generalization, Psychol. Reports; Serial position effects and the Marbe effect in the free recall of meaningful words, J. Gen. Psychol. Address: Sheppard-Pratt Hospital, Towson, Md. 21204.

WHITMER, DR. CARROLL A(BRAHAM), Psychol, Psychiat, see 11th ed, Phys. & Biol. Vols.

WHITMORE, DR. PAUL G(ORDON), JR, b. Pittsburgh, Pa, Feb. 26, 29; m. 52; c. 2. PSYCHOLOGY. B.S. Millsaps Col, 51; Ph.D.(gen. exp. psychol), Tennessee, 56. Res. assoc, U.S. Army Air Defense Human Res. Unit, HUMRRO, 56-57, res. scientist, 57-62, SR. SCIENTIST, DIV. 5, 62- AAAS; Psychol. Asn. Instructional methods; human learning; behavioral analysis; task and skills analysis; proficiency testing. Publ: Rational analysis of the instructional process. Address: 9924 Audobon St, El Paso, Tex. 79924.

WHITMYRE, DR. JOHN W(ARREN), b. Pittsburgh, Pa, Apr. 30, 26; m. 52; c. 1. PSYCHOLOGY. B.S. Pittsburgh, 48, M.S. 50, Ph.D.(psychol), 52. Psychol. trainee, Vet. Admin, Pittsburgh, Pa, 48-52; staff psychologist, VET. ADMIN. HOSP, Ft. Douglas Div, Salt Lake City, Utah, 52-57, COATES-VILLE, PA, 57-60, coordinator clin. psychol, 60-65, unit chief psychologist, 65-68, ASST. CHIEF PSYCHOLOGIST, 68- Lectr, Utah, 56-57. Consult, St. Mary of Providence Sch, Elverson, Pa, 67- U.S.A.A.F, 44-45. AAAS; Psychol. Asn. Intellectual and personality evaluation; psychological aspects of neurological illness; mental retardation; reinforcement therapy. Publ: Significance of artistic excellence in the judgment of adjustment inferred from human figure drawings, J. Consult. Psychol; Effects of personal liking, perceived ability, and value of price on choice of partners for a competition, J. Abnorm. & Soc. Psychol; Archimedes spiral after effect and impaired mentation, J. Clin. Psychol. Address: 602 N. Brandywine St, West Chester, Pa. 19380.

WHITNEY, PROF. SIMON N(EWCOMB), b. Apr. 5, 03; m. 41; c. 4. ECONOMICS. A.B. Yale, 24, Ph.D. 31; Bonn, 25-26. Economist, anti-trust div, U.S. Dept. Justice, 28-29; asst. economist, Chase Nat. Bank, New York, 31-34; sr. economist, res. & planning div, Nat. Recovery Admin, 34-36; economist, Lionel D. Edie & Co, New York, 36-40; prin. economist, Bd. Econ. Warfare, 41-42; dir. Deep Springs Col, 42-48; assoc. prof. econ, N.Y. Univ, 48-49, prof, 49-54, lectr, 54-56; chief economist & dir. bur. econ, Fed. Trade Cmn, 56-61; Am. Bankers Asn, New York, 61; PROF. ECON, Rutgers, 61-67; N.Y. UNIV, 67- Dean, Telluride Asn, 42-48. Economist, div. res. & statist, Fed. Reserve Bd, 36; O'Ryan Financial Mission, Japan, 40. Consult, Econ. Coop. Admin, 48. Chief res. dept, Twentieth Century Fund, 54-55. Am. Econ. Asn; Royal Econ. Soc. Economic effects of the antitrust laws; ethical drug industry. Publ: Antitrust policies, 2 vols, Twentieth Century Fund, 58; Mergers, conglomerates and oligopolies: a widening of antitrust targets, 21 Rutgers Law Rev, winter, 67; Economics of the prescription drug industry, U.S. Econ. Corp, 67. Address: 18 Circle Rd, Scarsdale, N.Y. 10583.

WHITNEY, PROF. VINCENT H(EATH), b. Northwood, N.H, June 23, 13; m. 41; c. 3. SOCIOLOGY. A.B. North Carolina, 36, A.M. 37, Ph.D. 44. Proj. res. dir, State Planning Bd, N.C, 38-39; instr. SOCIOL, Maine, 39-43, Wesleyan, 45-46; from asst. prof. to prof. & chmn. dept, Brown, 46-59; PROF. & CHMN. DEPT, PENNSYLVANIA, 59-, DIR. POP. STUDIES CENTER, 61- Sr. demogr, Pop. Coun, N.Y, 62-63, sr. staff assoc. Asia, 62- Mem. tech. adv. cmt. pop, U.S. Bur. Census, Wash, D.C. 65- Sociol. Asn; Pop. Asn; Regional Sci. Asn; Int. Union Sci. Study Pop. Population; regional development; urban-metropolitan growth. Publ: Co-auth, Atomic power. Address: Dept. of Sociology, University of Pennsylvania, Philadelphia, Pa. 19104.

WHITRIDGE, PROF. EUGENIA R(EMELIN), b. Cincinnati, Ohio, Jan. 30, 98; m. 28. SOCIOLOGY. B.A. Cincinnati, 18, M.A. 23; fel. & Ph.D. Chicago, 46. Instr. sociol, Cincinnati, 24-25, 27-28; Earlham Col, 30-35; soc. sci, Chicago, 43-44; lectr, Michigan, 46; from asst. prof. to EMER. PROF. SOCIOL, DUKE, 47- Spec. staff res. asst, Helen S. Trounstone Found. Soc. Res, 22, 26. Sociol. Asn. Sociology of art; social work. Publ: The Hamilton County Home; Trends in the buying and selling of art, Col. Art J. Address: 1511 W. Pettigrew St, Durham, N.C. 27705.

WHITSETT, PROF. JAMES M, b. Weatherford, Tex, Sept. 7, 05; m. 52. ECONOMICS. B.A. Texas, 26; M.A. Ohio State, 28, Ph.D. 38. PROF. FINANCE, TEXAS CHRISTIAN, 59- U.S.A.F, 42-46, 51-53, Col. Econ. Am. Finance. Address: Dept. of Finance, Texas Christian University, Ft. Worth, Tex. 76109.

- WHITSON, LT. COL. WILLIAM W(ALLACE), U.S.A. b. San Antonio, Tex, Dec. 3, 26; m. 56; c. 5. B.S. U.S. Mil. Acad, 48; M.A. Fletcher Sch, 54; Ph.D.(int. rels), Fletcher Sch. Law & Diplomacy, 58; Army Lang. Sch, 61-62; Command & Gen. Staff Col, 62-63; For. Area Specialist Training Prog, Taiwan, 63-65; dipl. Polit. Warfare Staff Col, Govt. Repub. China Adv. Studies, 66. U.S. ARMY, 54-, instr. econ. & int. rels, U.S. Mil Acad, 54-56, asst. prof. int. rels, 56-57; adv. to dean, Korean Mil. Acad, 58-59; MIL. HISTORIAN MOD. CHINA, Mil. Assistance Adv. Group, Taiwan, 65-67; AM. CONSULATE GEN, HONG KONG, 67- Admin. dir, Fulbright Summer Seminar Chinese Culture, Taiwan, 64; lectr, Nat. Defense Col, Taiwan, 66-67; mem, Sino-Am. Workshop Soc. Sci. Res, Taiwan, 66-67. Asn. Asian Studies. Civil-military relations; education for national policy formulation; China; history of modern China's military institutions, including military thought, elites, campaigns and civil-military relations. Publ: Kiangsi: a strategy for counterinsurgency, J. China Soc, autumn 67. Address: Box 10, American Consulate General, FPO San Francisco 96659.
- WHITSTON, PROF. CLARENCE WILSON, b. Detroit, Mich, Dec. 8, 10; m. 39. INDUSTRIAL ENGINEERING, BUSINESS MANAGEMENT. B.E. Southern California, 48 & 60, M.S. & I.E. 61. Mem. staffs, A&P Tea Co, Lockheed Aircraft Corp, Gen. Foods Corp, Graybar Elec. & Fletcher Mfg, 29-53; dir. & officer, indust. design & res, Melvin Best Assocs, 57-59; asst. prof. indust. eng. & coordinator rels. with indust, SCH. ENG, SOUTHERN CALIFORNIA, 59-62, ASSOC. PROF. INDUST. ENG, 62- Pres, various small businesses, 43-; assoc. dir, Hyde Labs, 50-53; dir. & officer, Mkt. Unlimited, 50-; New Prod. Inc, 57-60; res. dir, Buxton Advert. Agency, 57-60; dir. & consult, G.W. Gallway Co, 58-60; guest lectr, Los Angeles State Col, 59. Consult, Kaiser Found. Hosps, 61- Inst. Indust. Eng.(v.pres, 61-63, 63-67); Soc. Eng. Ed; Mgt. Asn; Heart Asn; Nat. Soc. Profnl. Eng; Soc. Tool & Mfg. Eng; Acad. Hosp. Counsr. Economics of business control; administration and function, especially applied industrial engineering techniques and development and simple means of practical measurement of methods, effort and results. Address: School of Engineering, University of Southern California, Los Angeles, Calif. 90007.
- WHITTAKER, PROF. EDMUND, b. Radcliffe, Eng, Sept. 24, 97; m. 29; c. 4. ECONOMICS. B.Sc. Edinburgh, 28, Ph.D. 32. Econ. adv. & head dept. econ, Edinburgh & E.Scotland Col. Agr; 28-32; William Hudson prof. econ. & head dept. econ. & econ. hist, Natal Univ. Col, South Africa, 32-37; asst. prof. econ, Illinois, 37-39, assoc. prof, 39-42; vis. prof. bus. admin. & econ, Western Ontario, Can, 42-43; assoc. prof. ECON, Brown, 43-46; prof, Indiana, 46-48; COLORADO STATE, 48-63, EMER. PROF, 63- Prof, Hampden-Sydney Col, 61-66, Patton chair, 66-67; emer. prof, 68- Summer, prof, New Brunswick, 43. Royal Econ. Soc. Economic theory and its history; historical economic development; managerial theory and economic planning. Publ: History of economic ideas; Economic analysis; Schools and streams of economic thought. Address: 1575 Rockland Rd, Peterborough, Ont, Can.
- WHITTAKER, PROF. JAMES O, b. Rochester, N.Y, Sept. 27, 27; m. 57; c. 1. SOCIAL PSYCHOLOGY. B.A. Texas Christian, 50; M.A. Pennsylvania, 52; Ph.D.(psychol), Oklahoma, 58. Asst. prof. psychol, East. Ill. State Col, 55-56; North Dakota, 56-59; assoc. prof. PSYCHOL. & chmn. dept, Bridgeport, 59-60; Gustavus Adolphus Col, 60-63; PROF, N.DAK. STATE, 63- Summer Fulbright prof, Karachi, 59. Consult, Mendota Res. Group, 59-63; St. Peter State Hosp, Minn, 60-63. U.S.A. 46-47. Psychol. Asn. Cultural factors in alcoholism; psychological warfare. Publ: Introduction to psychology, Saunders, 65, Spanish ed, Editorial Interamericana, Mexico City, 68; Effects of experimentally introduced anchorages upon judgements in the autokinetic situation. Address: Dept. of Psychology, North Dakota State University, Fargo, N.Dak, 58102.
- WHITTED, PROF. STEPHEN F(RANCIS), b. Mulvane, Kans, Sept. 30, 14; m. 46; c. 1. AGRICULTURAL ECONOMICS. B.S. Missouri, 51, M.S. 54, Ph.D. 60. Instr. AGR. ECON, MISSOURI, COLUMBIA, 51-60, assoc. prof, 60-62, PROF, 62- U.S.A. 41-48, Capt. Agr. Econ. Asn. Dairy marketing. Publ: Co-auth, Merchandising milk and dairy products in retail grocery stores, N.Cent. Regional Bull, 57; auth, How surplus milk is marketed in the Midwest, Mo. Agr. Exp. Sta. Res. Bull, 62; co-auth, The St. Louis milk market, three decades of change, Mo. Agr. Exp. Sta. Spec. Report, 67. Address: Dept. of Agricultural Economics, University of Missouri, Columbia, Mo. 65201.
- WHITTEMORE, DR. IRVING C(HAMBERLIN), b. Cambridge, Mass, Nov. 11, 95; m. 23; c. 2. PSYCHOLOGY. A.B. Harvard, 17, A.M. 21, Ph.D.(psychol), 23; Boston, 20-21. Asst. psychol, col. bus. admin, BOSTON, 20, instr, 21-23, asst. prof, 23-27, assoc. prof, 27-31, prof. human rels, 31-61, dir. vet. center, univ, 46, chmn. dept. HUMAN RELS, col. bus. admin, 47-61, EMER. PROF, 61- Asst, Harvard, 21; vis. lectr, Central Michigan, 62- Lectr, Mass. Inst. Tech, 26-35. Exec. secy. sci. adv. cmn, Selective Serv. Syst, 52-53. U.S.A. 17-19, 42-46, 52-53; Col; Croix de Guerre (France), 45. Fel. Psychol. Asn. Industrial psychology. Address: 915 Douglas St, Mt. Pleasant, Mich. 48858.
- WHITTEMORE, DR. KATHERYNE THOMAS, b. Minden, Nebr, Nov. 25, 99; m. 33. GEOGRAPHY. A.B. Vassar Col, 21; M.A. Clark, 25, Ph.D.(geog), 36. Assoc. prof. geog, STATE UNIV. N.Y. COL. BUFFALO, 31-47, prof, 47-62, dir. div. arts & scis, 57-62, EMER. PROF. GEOG, 62- Asn. Am. Geog. fel. Geog. Soc; Nat. Coun. Geog. Ed.(pres, 46, distinguished serv. award, 59); Soc. Woman Geog; Soil Conserv. Soc. Phases of the geography of New York, especially transportation and power; geographic factors in the building of Buffalo Harbor. Publ: The United States and Canada, Ginn, 67; Co-auth, Buffalo, In: Geography of New York State, Syracuse Univ, 66. Address: Dept. of Geography, State University of New York College, Buffalo, N.Y. 14222.
- WHITTEN, HERBERT ORVILLE, Bus. Admin, Math, see 10th ed, Soc. & Behav. Vols.
- WHITTEN, DR. NORMAN E, JR, b. Orange, N.J, May 23, 37; m. 62. ANTHROPOLOGY. B.A. Colgate, 59; univ. fel, North Carolina, Chapel Hill, 59-61, M.A. 61, Nat. Inst. Ment. Health fel, 61-64, Ph.D.(anthrop), 64. Acting asst. prof. ANTHROP, North Carolina, Chapel Hill, summer, 64; res. assoc, Tulane Univ-Univ. Valle, Colombia, 64-65; asst. prof, WASHINGTON (ST. LOUIS), 65-68, ASSOC. PROF, 68- Summers, Peace Corps lectr, 68, Nat. Inst. Ment. Health res. fcls, Can, 66, 67. Award, N.J. Teacher's Asn, 66. AAAS; Anthropol. Asn; Ethnol. Soc; Folklore Soc; Sociol. Asn; Inter-Am. Indian Inst. Kinship, social organization, political anthropology, folklore, social change and adaptive strategies of marginal people; Ecuador, Colombia and Canadian maritimes; new world Negroes. Publ: Class, kinship, and power in an Ecuadorian town, Stanford, 65; Afro-Hispanic music from western Colombia and Ecuador, Ethnic Folkways Library, FE 4376, 67; Personal networks and musical contexts, Man: J. Royal Anthropol. Inst. Gt. Brit. & Ireland, 68. Address: Dept. of Anthropology, Washington University, St. Louis, Mo. 63130.
- WHITTEN, DR. WILLIAM CLYDE, b. Tampa, Fla, Feb. 1, 25; m. 49; c. 3. ECONOMICS. B.S. Clemson, 47; M.S. Ga. Inst. Tech, 51; Ph.D.(econ), Alabama, 64. Instr. textiles, CLEMSON, 47-50, asst. prof, 50-56, assoc. prof, 56-58, ECON, 58-68, PROF, 68- U.S.A. 43-45, Sgt. Econ. Asn. Early American economic thought. Address: Dept. of Economics, Clemson University, Clemson, S.C. 29631.
- WHITTENBURG, DR. JOHN A(LLEN), b. Kansas City, Mo, Nov. 11, 25; m. 50; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A. William Jewell Col, 49; M.S. Brown, 51; Ph.D. Maryland, 55. Res. assoc, Psychol. Res. Assocs, 54-57; res. scientist, Human Sci. Res. Inc, 57-59, sr. res. scientist, 60-65; RES. DIR, WHITTENBURG, VAUGHAN ASSOCS, INC, 66- Consult, HumRRO, 59-60; Off. Naval Res, Bur. Naval Personnel & Naval Res. Lab. U.S.N., 43-46. AAAS; Psychol. Asn; Human Factors Soc; N.Y. Acad. Sci. Specialized information systems and services; counterinsurgency; command, control and communications; criterion development leading to performance tests. Publ: Effects of altering task components on perceptual motor task learning, J. Appl. Psychol; Methodology for evaluation of a man-machine surveillance system: a case study of system research methodology; co-auth, An information system planning guide: preliminary development and checkout, Tech. Report, 2/68. Address: 8224 Toll House Rd, Annandale, Va. 22003.
- WHITTLESEY, PROF. CHARLES R(AYMOND), b. Roseburg, Ore, Sept. 24, 00. ECONOMICS. A.B. Philomath Col, 21; A.M. American Univ. Beirut, 24; Washington (Seattle), 24-25; Procter fel, Princeton, 27-28, Ph.D. 28; hon. Sc.D. Pennsylvania, 67. Instr, Princeton, 28-29, asst. prof, 29-34, assoc. prof, 34-40; prof. FINANCE & ECON, PENNSYLVANIA, 40-66, EMER. PROF, 67- Soc. Sci. Res. Coun. fel, Europe, 35-36; vis. prof, Washington (Seattle), Pennsylvania & Bombay, India. Economist, Penn Mutual Life Ins. Co, 41-61. Consult, W.W. Norton Co, 51-63. Trustee, Teachers Ins. & Annuity Asn, 62-66. Mem, Nat. Bur. Econ. Res, 42-44. Econ. Asn; Royal Econ. Soc. Money and banking; international trade and finance; monetary policy. Publ: Principles and practices of money and banking; International monetary issues; National interest and international cartels. Address: 106 Avonbrook Rd, Wallingford, Pa. 19086.
- WHITTLESEY, JOHN R. B, Math. Statist, see 11th ed, Phys. & Biol. Vols.
- WHITTLESEY, DR. NORMAN KEITH, b. Colorado Springs, Colo, July 3, 33; m. 54; c. 2. AGRICULTURAL ECONOMICS. B.S. Colorado State, 55; M.S. 60; Ph.D.(agr. econ), Iowa State, 64. Agricultural economist, prod. & farm mgt, U.S. Dept. Agr, 61-65; ASST. PROF. AGR. ECON, PROF. ECON. & FARM MGT, WASHINGTON STATE, 65- Consult, Agency Int. Develop, summer 67. Ord.C. U.S.A. 56-58, 1st Lt. Agr. Econ. Asn. Production economics as it pertains to interregional competition model building; econometric analyses of production phenomenon in agriculture. Publ: Co-auth, Production quotas and land values: importance of the dual in a spatial linear programming problem, 12/64, Trends and problems in growth of farm size, 12/66 & auth, Cost and efficiency of alternative land retirement programs, 5/67, J. Farm Econ. Address: Dept. of Agricultural Economics, Washington State University, Pullman, Wash. 99163.
- WHITTON, PROF. JOHN B(OARDMAN), b. Oakland, Calif, Feb. 25, 92; m. 26; 59; c. 1. INTERNATIONAL RELATIONS. A.B. California, 16, J.D. 20; LL.D. Bordeaux, 46. Attorney at law, San Francisco, Calif. 20-23; instr. INT. LAW, PRINCETON, 27-28, asst. prof, 28-30, from assoc. prof. to EMER. PROF, 30- Lectr, Inst. Adv. Int. Studies, Paris, 27, 32, 34, Geneva Grad. Inst. Int. Studies, 36-38; Acad. Int. Law, The Hague, 27, 34, 48; radio news commentator, Franco-Am. Exchange, 35-36; dir, Geneva Res. Center, 36-38; founder, Princeton Listening Center, 38-41, pres, Princeton Prospect Found, 63-; chmn. dept. polit. sci, U.S. Army Univ.(France), 45-46. Mem, Franco-Indian Plebiscite Cmn, 50. Knight, French Legion of Honor. Am. Field Serv. & French Army, 17-19. Am. Soc. Int. Law. International law and organization. Publ: Co-auth, Propaganda by short wave; co-auth. & ed, Propaganda and the Cold War, Pub. Affairs, 63; co-auth, Propaganda: toward disarmament in the War of Words, Oceana, 64. Address: 14 S. Stanworth Dr, Princeton, N.J. 08540.
- WHITWORTH, PROF. RANDOLPH H(OWARD), Psychol, see 11th ed, Phys. & Biol. Vols.
- WHYTE, DR. DONALD RICHARD, b. Winnipeg, Man, Feb. 23, 36. SOCIOLOGY. B.Sc. Manitoba, 59; M.Sc. Cornell, 61, Ph.D.(sociol), 63. Res. assoc. SOCIOLOG, Cornell, 62-63; asst. prof, Manitoba, 63-64; ASSOC. PROF, CARLETON, 64- Consult, Can. Federal Govt. AAAS; Sociol. Asn; Can. Sociol. & Anthropol. Asn. Systematic sociological theory; phenomenological analysis; social and cultural change. Publ: Sociological aspects of poverty: a conceptual analysis, 11/65 & Social determinants of intercommunity mobility: an inventory of findings, 2/67, Can. Rev. Sociol. & Anthropol. Address: Dept. of Sociology, Carleton University, Ottawa 1, Ont, Can.
- WHYTE, PROF. W(ILLIAM) F(OOTE), b. Springfield, Mass, June 27, 14; m. 38; c. 4. SOCIOLOGY. A.B. Swarthmore Col, 36; Harvard, 36-40; Ph.D. Chicago, 43. Asst. prof. sociol. & acting chmn. dept. anthropol, Oklahoma, 42-43; from asst. prof. to assoc. prof. SOCIOLOG, Chicago, 44-48; PROF, N.Y. STATE SCH. INDUST. & LABOR RELS, CORNELL, 48-, dir. soc. sci. res.

center, 56-61. Career res. award, Nat. Inst. Ment. Health, 64. Sociol. Asn; Anthropol. Asn; Soc. Appl. Anthropol. (ed. Human Orgn, 56-61, pres. 64); Indust. Rels. Res. Asn. (pres. 62-63); Asn. Latin Am. Studies. Organizational behavior; research in Peru. Publ: Street corner society; Men at work; Money and motivation. Address: New York State School of Industrial & Labor Relations, Cornell University, Ithaca, N.Y. 14850.

WIARDA, DR. HOWARD JOHN, b. Grosse Pointe, Mich, Nov. 30, 39; m. 64; c. 1. POLITICAL SCIENCE. B.A. Michigan, 61; M.A. Florida, 62, Ph.D. (polit. sci), 65. ASST. PROF. POLIT. SCI, MASSACHUSETTS, AMHERST, 65- Lectr, Peace Corps; Univ. Mass. faculty res. grants; Fulbright-Hays fel. Consult, Peace Corps & Center Latin Am. Studies, 64- Polit. Sci. Asn; Latin Am. Studies Asn. Political theory; comparative political development; politics and government of Latin America. Publ: The aftermath of dictatorship, Univ. Microfilms, 67; Dictatorship and development, Univ. Florida, 68; Problems of modernization in the Dominican Republic, Praeger, 68 Address: Dept. of Government, University of Massachusetts, Amherst, Mass. 01002.

WIBERLEY, PROF. J(OHN) ALBERT, b. Troy, N.Y., Aug. 10, 26; m. 50; c. 3. PSYCHOLOGY. B.A. Rochester, 49; Ph.D. Syracuse, 61. Psychologist, Del. County Voc. Ed. & Exten. Bd, N.Y. 53-54; Assoc. prof. ed. STATE UNIV. N.Y. COL. Oneonta, 54-63, PROF. PSYCHOL, OSWEGO, 63-, dir. child study center, 63-66. Coordinator U.S. Pub. Health Serv. Hosp. in-serv. training proj, Rome State Sch, N.Y. 65-67; res. assoc. med. center, California, San Francisco, 67-68. U.S.A.A.F, 45. Psychol. Asn. Communication processes in human learning and development; systems analysis in education; computer-assisted instruction and simulation; school psychology; exceptional child. Publ: Changes in the definition and solution of administrative problems, J. Soc. Issues; Innovation and school psychology, N.Y. State Psychol. Asn, 67. Address: R.D. 3, Oswego, N.Y. 13126.

WIBKING, PROF. ROBERT KENTON, b. Moweaqua, Ill, Mar. 17, 26; m. 50; c. 5. GEOGRAPHY. B.S. East. Ill. State Col, 49; M.A. Kentucky, 51; Ph.D. (geog), Nebraska, 63. Instr. geog, Missouri, 51-54; cartographer, U.S. Army Map Serv, 54-55; instr. GEOG, North Dakota, 57-58; asst. prof, Kans State Teachers Col, 58-62; PROF, AUSTIN PEAY STATE, 62- U.S.N., 44-46. Asn. Am. Geog. Economic and physical geography; cartography; Europe. Publ: Skills for physical geography, McCutchan Pub. Co, 68. Address: Dept. of Geography, Austin Peay State University, Clarksville, Tenn. 37040.

WICAS, DR. EDWARD A, b. Boston, Mass, June 8, 24; m. 48; c. 2. COUNSELING & EDUCATIONAL PSYCHOLOGY. B.S. Boston, 49, Ed.M, 52, fel, 53-55, Ed.D. (counseling & ed. psychol), 55. Asst. prof. ed. & dir. student personnel, Hillyer Col, 55-56; asst. prof. ED. CONNECTICUT, 56-62, ASSOC. PROF. 62-, PROJ. DIR. REHAB. COUNSELING TRAINING PROG, 66- Consult, Vet. Admin, 58- U.S.A.A.F, 43-46. Psychol. Asn; Personnel & Guid. Asn; Asn. Counsr. Ed. & Supv; Nat. Rehab. Asn. Perception and communication in counseling; psychodiagnostics; student personnel services; training of counselors. Address: 284 Cedar Ridge Dr, Glastonbury, Conn. 06033.

WICHMANN, PROF. ARTHUR A, b. Dubuque, Iowa, Mar. 27, 16; m. 38; c. 2. ECONOMICS. Ph.D.(econ), Northwestern, 50. Asst. prof. econ, Wichita, 45-47, assoc. prof, 50-53, prof, 53-63, chmn. dept, 51-63; int. economist, Agency Int. Develop, U.S. State Dept, Wash, D.C, 63-65; PROF. ECON. & BUS. ADMIN. & ACTING CHMN, PARSONS COL, 65- Prog. economist, Int. Coop. Admin, Burma, 59-61. Consult, Agency Int. Develop, E.Asia & Vietnam Burs, 65- U.S.A.F, 41-45, Res, Lt. Col. Econ. Asn; Indust. Rels. Res. Asn. Monetary theory; money and banking; business fluctuations; impact of cultural factors on economic development; foreign economic aid and its contribution to economic development. Publ: Money and banking 57 & Principles of economics, 59, Pittman; Economic development and capital formation in Burma, Rev. Econ. & Statist, 8/62. Address: 505 Hillside Dr, Fairfield, Iowa 52556.

WICK, DR. ERIKA, b. Basel, Switz, July 31, 37. PSYCHOLOGY. Ph.D.(psychol), Basel, 64. Psychotherapist, Greenmont-on-Hudson Sanatorium & Youth Inst, Ossining, N.Y., 64-65; ASST. PROF. psychol. & forensic sci, Manhattan Col, 65-66; PSYCHOL, ST. JOHN'S (N.Y.), 66- Psychol. consult, St. Joseph's Sch. Blind, N.J., 67-; res. consult, Morton Prince Clin. Hypnother. & Inst. Res. Hypnosis, 67- Psychol. Asn. Clinical psychology; criminology; religion. Publ: Zur Psychologie der Reue, Paul Haupt Verlag, Bern, Switz, 68. Address: Dept. of Psychology, St. John's University, Jamaica, N.Y. 11432.

WICK, DR. JOHN W, b. Mankato, Minn, Jan. 4, 35; m. 56; c. 3. EDUCATIONAL MEASUREMENT. B.A. Mankato State Col, 60; M.A. Iowa, 65, Ph.D. (statist. measurement), 67. Teacher, high schs, Iowa, 62-64; ASST. PROF. ED. RES, NORTHWESTERN, 67- Consult, Inst. Ed. Res. & Cent. Midwest. Regional Ed. Lab, Inc, Ill, 67. U.S.A. 53-56. AAAS; Ed. Res. Asn; Statist. Asn; Nat. Coun. Measurement in Ed. Pattern analysis techniques for grouping or ordering subjects, including similar response and latent class analyses. Address: School of Education, Northwestern University, Evanston, Ill. 60201.

WICKELGREN, DR. WAYNE A(LLEN), b. Hammond, Ind, June 4, 38; m. 62; c. 1. PSYCHOLOGY. A.B. Harvard, 60; Ph.D.(psychol), California, Berkeley, 62. Asst. prof. PSYCHOL, MASS. INST. TECH, 62-67; ASSOC. PROF, 67- Nat. Inst. Ment. Health res. grants, 63- Psychonomic Soc; Psychol. Asn. Learning; memory; mathematical psychology; thinking. Publ: Distinctive features and errors in short-term memory for English consonants, J. Acoustical Soc. Am, 66; co-auth, Strength models and serial position in short-term recognition memory, J. Math. Psychol, 66; auth, Exponential decay and independence from irrelevant associations in short-term recognition memory for serial order, J. Exp. Psychol, 67. Address: Dept. of Psychology, E10-035, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

WICKENS, ARYNESS JOY, b. Bellingham, Wash, Jan. 5, 01; m. 35; c. 1. ECONOMICS, STATISTICS. A.B. Washington (Seattle), 22; A.M. Chicago, 24.

From instr. to asst. prof. econ. & statist, Mt. Holyoke Col, 24-28; mem. res. staff, Bd. Gov. Fed. Reserve Syst, 28-34; chief statistician, Off. Econ. Adv, Nat. Emergency Coun, 34-35; chief economist & chief statistician, U.S. Cent. Statist. Bd, 35-38; asst. to cmnr, bur. labor statist, U.S. DEPT. LABOR, 38-40, chief prices & cost of living div, 40-45, asst. cmnr. prog. opera, 45-49, dep. cmnr. bur, 49-55, acting cmnr, 54-55, dept. asst. secy. labor, 56-59, econ. adv. to secy. labor, 59-62, CONSUMER PROG. ADV, 62- Adv, U.S. del. Int. Labor Conf, 47-; U.S. Dept. Labor, 55. First Fed. Womans award, 61. Econ. Asn; fel. Statist. Asn.(v.pres, 35, 47, pres, 52). Prices; employment; general business conditions. Address: Office of Secretary, U.S. Dept. of Labor, Washington, D.C. 20210.

WICKENS, CAROL DOW, Psychol, see 10th ed, Soc. & Behav. Vols.

WICKENS, PROF. DELOS D(ONALD), b. Rochester, N.Y., Oct. 6, 09; m. 37; c. 2. PSYCHOLOGY. A.B. Centre Col, 31; M.A. North Carolina, 33, Ph.D. (psychol), 37. Instr. PSYCHOL, Ohio State, 37-39; asst. prof, Colorado, 39-40; instr, Oberlin Col, 40-41; asst. prof, Wisconsin, 41-46; assoc. prof, OHIO STATE, 46-47, PROF, 47- Sr. analyst, Off. Sci. Res. & Develop. & Nat. Defense Res. Cmt, Pennsylvania, 43-45. Consult, Res. & Develop. Bd, 48-52; Nat. Sci. Found. Panel Psychol, 56-59; U.S. Army, 58-60; Fulbright Cmt. Psychol, 59-; study sect. exp. psychol, Nat. Insts. Health, 65-69. AAAS (secy, 49-51, v.pres, 68); fel. Psychol. Asn; Soc. Exp. Psychol; Psychonomic Soc. Classical conditioning; verbal learning; memory. Publ: Experimental foundations of general psychology; General psychology; Human conditioning. Address: Dept. of Psychology, Ohio State University, Columbus, Ohio 43210.

WICKER, PROF. ELMUS R(OGERS), b. Lake Charles, La, Sept. 13, 26; m. 48; c. 2. ECONOMICS. B.A. La. State, 45, M.A., 48; Rhodes scholar, Oxford, 48-51, B.Phil, 51; fel, Stanford, 52-53; Soc. Sci. Res. Coun. fel, 54-55; Ph.D., Duke, 56. Instr. ECON, INDIANA, 55-57, asst. prof, 57-62, assoc. prof, 62-67, PROF, 67- Ford Found. faculty res. fel, 62-63. Consult, bd. gov. Fed. Reserve Syst, 63-65. U.S.N.R, 45-46. Econ. Asn; Finance Asn; Econ. Hist. Asn. Money and banking; economic history. Publ: Federal Reserve monetary policy, 1917-1933, Random, 66; Federal Reserve monetary policy, 1922-33: a reinterpretation, J. Polit. Econ, 8/65; A reconsideration of Federal Reserve policy during the 1920-21 depression, J. Econ. Hist, 6/66. Address: Dept. of Economics, Indiana University, Bloomington, Ind. 47401.

WICKERSHAM, PROF. EDWARD D(EAN), Labor Econ, see 10th ed, Soc. & Behav. Vols, deceased 66.

WICKERSHAM, DR. FRANCIS M(YRON), b. Atchison, Kans, May 3, 14; m. 42. CLINICAL PSYCHOLOGY. A.B. Wichita, 37; Wolfe fel, Nebraska, 37-38, M.A., 39; Ph.D.(psychol), Northwestern, 49. CHIEF CLIN. PSYCHOLOGIST, U.S. Pub. Health Serv. Hosp, Ft. Worth, 46-65, NAT. INST. MENT. HEALTH CLIN. RES. CENTER, 65- Prof. lectr, Texas Christian, 46- Consult, Ft. Worth-Tarrant Co. Guid. Clin, 50-60, 65-; Crippled Children's Soc, 54-60; consult. serv. specialist, Tex. Soc. Ment. Health, 50-60. Dipl. Am. Bd. Exam. Prfnl. Psychol, 55. U.S.A. 41-46, Res, 46-, Col. Psychol. Asn. Factor analysis; projective methods teaching. Address: Clinical Research Center, National Institutes of Mental Health, Ft. Worth, Tex. 76119.

WICKERT, PROF. FREDERIC R, b. Chicago, Ill, Mar. 9, 12; m. 40; c. 2. PSYCHOLOGY. B.A. California, Los Angeles, 33; Ph.D.(psychol), Chicago, 38. Personnel investr, West. Elec. Co, Ill, 36-40; from employ. interviewer to res. psychologist, Commonwealth Edison Co, 40-47; from assoc. prof. to PROF. INDUST. PSYCHOL. & GRAD. BUS. ADMIN, MICH. STATE, 47-, dep. adv. univ. tech. asst. proj, Govt. Viet Nam, 55-57. Team leader opera. res. off, field off, Hopkins, Japan & Korea, 52-53; Fulbright prof, Graz, Austria, 53-54; Toulouse, France, 60-61. Consult, Govt. Ghana & Nigeria, W. Africa, 60; Peace Corps, 61-62; spec. opera. res. off, American Univ, 63-64. U.S.A.A.F, 41-46, Col. Fel. Psychol. Asn; Mgt. Asn; Indust. Rels. Res. Asn; Soc. Appl. Anthropol; Mkt. Asn; Int. Asn. Appl. Psychol. Applied psychology; marketing psychology; executive development. Publ: Research in redistribution, U.S. Army Air Force, Govt. Printing Off, 47; Readings in African psychology from French language sources, African Studies Center, Mich. State, 67; co-auth, Measuring executive effectiveness, Appleton, 67. Address: Dept. of Psychology, Michigan State University, East Lansing, Mich. 48823.

WICKES, DR. THOMAS A(LEXANDER), b. Missoula, Mont, Mar. 3, 28; m. 50; c. 4. PSYCHOLOGY. B.A. Montana, 52; fel, Purdue, 53-55, M.Sc, 56, Ph.D, 57. Psychologist, Madigan Army Hosp, Ft. Lewis, Wash, 50-51; intern psychol, Vet. Admin. Hosp, Marion, Ind, 54-56, Vet. Admin. Gen. Med. & Surg. Hosp, Indianapolis, 56; psychologist personnel develop, flight propulsion lab. dept, Gen. Elec. Co, Cincinnati, Ohio, 56-57, personnel res. & develop, Hanford Atomic Works, Richland, Wash, 57-59, staff psychologist, indust. med. oper, 59-61; prog. specialist African develop, prog, Ford Found, 61-64; group develop. psychologist, Gen. Elec. Co, 64-66; DIR. PERSONNEL DEVELOP, TRW INC, 66- Lectr, exten. center, Washington (Seattle), 60-61. Consult, East. State Ment. Hosp, Medical Lake, Wash, 60; Wash. State Child Guid. Center, Kennewick, 60-61; ment. health technician prog, Purdue, 66- Assoc, Nat. Training Labs, 64- U.S.A., 46-47, 50-51. Psychol. Asn. Mental health programs for industry; group dynamics; individual and group psychotherapy; community mental health programs; management and human development programs. Publ: Individual and group relations on the job; Five training institutes in staff development and human relations in West Africa; Releasing human potential, Nat. Asn. Mfrs, 67. Address: TRW Inc, 23555 Euclid Ave, Cleveland, Ohio 44117.

WICKESBERG, DR. A(LBERT) K(LUMB), b. Neenah, Wis, Apr. 2, 21; m. 44; c. 3. BUSINESS ADMINISTRATION, ECONOMICS. B.A. Lawrence Col, 43; M.B.A. Stanford, 48; Ph.D.(bus. admin), Ohio State, 55. Asst. prof. BUS. ADMIN, Sacramento State Col, 49-50; asst, Ohio State, 52-53; ASST. PROF, MINNESOTA, MINNEAPOLIS, 53- U.S.A., 43-46, 51-52, Lt. Soc. Adv. Mgt; Acad. Mgt. Organization and techniques of management; business policy formulation and administration; production management. Publ: Management organization, Appleton, 68; Organizational relationships in the growing small manufacturing firm, Small Bus. Mgt. Res. Report, Univ. Minnesota. Address: School of Business Administration, University of Minnesota, Minneapolis, Minn. 55455.

- WICKIZER, PROF. V(ERNON) D(ALE), b. Ind, May 11, 04. ECONOMICS. U.S. Naval Acad, 21-25; M.B.A., Stanford, 29. Instr. bus. orgn. sch. bus. Stanford, 29-31, res. assoc. food res. inst. 31-33; res. personnel & mkt. dir, Mannings, Inc., Calif, 33-38; lectr, California, 38-39; prof. ECON. & economist, FOOD RES. INST, STANFORD, 39-63, EMER. PROF. & EMER. ECONOMIST, 63-65. Economics of food and agriculture. Publ: Coffee, tea and cocoa: an economic and political analysis; The plantation system in the development of tropical economies; The smallholder in tropical export-crop production. Address: Food Research Institute, Stanford University, Stanford, Calif. 94305.
- WICKLUND, DR. DAVID A(LGOT), b. Minneapolis, Minn, Jan. 4, 39; m. 60; c. 3. PSYCHOLOGY. B.A., Minnesota, 60, M.A., 63, Ph.D.(child psychol), 64. Res. assoc. PSYCHOL, Pa. State, 63-64; res. fel. inst. human learning, California, Berkeley, 64-65; ASST. PROF, CONNECTICUT, 65- AAAS; Psychol. Asn; Soc. Res. Child Develop. Experimental child psychology; psycholinguistics; human learning; language development. Publ: Co-auth, The effects of associative strength and response hierarchy on paired-associate learning, J. Verbal Learning & Verbal Behav, 64; Associative clustering in the recall of children as a function of verbal associative strength, J. Exp. Child Psychol, 65. Address: Dept. of Psychology, U-20, University of Connecticut, Storrs, Conn. 06268.
- WICKMAN, DR. JOHN EDWARD, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WICKMAN, DR. KENNETH P(AUL), b. Gardner, Mass, Nov. 22, 30. ECONOMICS. B.A., Massachusetts, 52; M.A., Michigan, 55; Ph.D., Syracuse, 62. Res. assoc. bur. bus. res, Kansas, 55-57; instr. prod. mgt, Syracuse, 57-60, adv. int. mgt. training prog, 60-61; instr. ECON, St. Lawrence, 62; asst. prof, Massachusetts, 62-68; ASSOC. PROF, STATE UNIV. N.Y. COL. CORTLAND, 68- Summer grants, Nat. Sci. Found, inst. regional sci, California, Berkeley, 64, Gen. Elec. Found, seminar contemporary econ, Virginia, 67. Consult, Bd. Econ. Adv. to Governor, Commonwealth of Mass, 64; Commonwealth Tech. Resource Serv, sch. eng, Univ. Massachusetts, 66. U.S.A., 52-54. Econ. Asn; Regional Sci. Asn. County income estimation; regional and urban economics; New England economic development; regional impact of defense spending. Publ: Economic development in south central Kansas; Kansas county income payments; Economic aspects of the New England furniture industry, Fed. Reserve Bank of Boston, 63. Address: Dept. of Economics, State University of New York College at Cortland, Cortland, N.Y. 13045.
- WICKS, DR. JOHN H, b. Minneapolis, Minn, Apr. 4, 36. ECONOMICS. B.A., South Dakota, 57; Minnesota, 57-58; fel, Illinois, 59-61, M.A., 61, Ph.D. (econ), 62. Instr. econ. & bus. admin, Augustana Col, 58-59; asst. prof, ECON, West. State Col. Colo, 61-63; Ohio State, 63-64; ASSOC. PROF, MONTANA, 64- U.S.A., 59, Res, 59-, Capt. Econ. Asn; Nat. Tax. Asn; Finance Asn. State and local finance. Publ: Co-auth, A model of commercial bank earning assets, J. Financial & Quant. Anal, 3/66; Preliminary investigation of some psychological determinants of consumption prosperity, South. Econ. J, 1/67; Administrative and compliance costs of state and local taxes, Nat. Tax J, 9/67. Address: Dept. of Economics, University of Montana, Missoula, Mont. 59801.
- WICKWAR, PROF. W(ILLIAM) HARDY, b. London, Eng, May 22, 03. POLITICAL SCIENCE. B.A., London, 24, M.A., 26; Inst. Hist. Res, London, 24-27; Rockefeller fel, France, Switzerland & Germany, 27-31. Tutor, exten, London, 34-36, lectr, Sch. Econ, 37; asst. prof. polit. sci, Rockford Col, 38-40, assoc. prof, 40-43, chmn. div, 41-43; assoc. prof, Conn. Col, 43-44; soc. welfare res. officer, UNRRA, 44-46; prof. polit. sci, Hamilton Col, 46-48; soc. affairs officer, UN Secretariat, 48-62, chief UN World Food Prog. Sect, 63-65; PROF. POLIT. SCI, SOUTH CAROLINA, 65- Lectr, Reed Col, 40, 50; vis. prof, American Univ. Beirut, 61; Lebanese Nat. Pub. Admin. Inst. & Inst. Develop. Training, 62; vis. lectr. pub. admin, N.Y. Univ, 62-63. Soc. admin. consult, Govt. Burma, 53; Lebanon, 54; Niger, 61; consult. community develop, UN, 66, criminal policy, 67; consult. community action, S.C. State Off. Econ. Opportunity, 66-67; comprehensive health planning, S.C. State Bd. Health, 67-68. Dir, Community Develop. Seminar, Bangkok, 59. Int. Inst. Admin. Sci. Social services. Publ: Modernization of administration in the Near East, Khayyat, Beirut, 63; Antipoverty in South Carolina, S.C. Bur. Govt. Res, 67. Address: Bureau of Governmental Research, University of South Carolina, Columbia, S.C. 29208.
- WIDDICOMBE, STACEY H(ARRISON), JR, b. Schenectady, N.Y., Mar. 12, 24; m. 51; c. 3. ECONOMICS, POLITICAL SCIENCE. B.A., Haverford Col, 44; M.B.A., Harvard, 48. Prod. promotion mgr, McCall's, 51-53; asst. info. dir, Cmt. Econ. Develop, 53-56; prog. asst. to v-pres, FORD FOUND, 56-58, prog. assoc. econ. develop. & admin. prog, 58-62, Caribbean rep, 62, Brazilian rep, 63, 65-67, assoc. dir. Latin Am. & Caribbean Prog, 64-65, PROG. OFFICER, 68- Mem. corp, Haverford Col, 52-; hon. res. fel, Univ. West Indies, Summer 65. Mem. Am. Friends Serv. Cmt, 60-; adv. cmt, Belle W. Baruch Found, 65- U.S.N., 43-46, Res, 46-50, Lt.(jg). Econ. Asn; Finance Asn; Polit. Sci. Asn. State and local public finance; comparative and development economics. Address: 245 Hollow Tree Ridge Rd, Darien, Conn. 06820.
- WIDENMANN, HANS A, b. Dec. 15, 97; c. 1. ECONOMICS. Litt.B., Princeton, 18; M.A., Columbia, 19, M.Sc., 20. Statistician, Fed. Reserve Bd, D.C., 24; economist & statistician, Ludwig Bendix, 25-30; ECONOMIST, LOEB, RHOADES & CO, 31-, PARTNER, 41- Econ. Asn; Statist. Asn; Finance Asn; Pan-Am. Soc. of U.S. Monetary policy; international exchange; business outlook and the business cycle. Publ: Co-auth, Foreign exchange problem. Address: 124 Bellevue Ave, Upper Montclair, N.J. 07036.
- WIDMAYER, PROF. RUTH C, b. New York, N.Y., Feb. 16, 26. POLITICAL SCIENCE. Ph.D.(govt), Harvard, 53. Instr. POLIT. SCI, Reed Col, 52-53; Portland State Col, 53-54; asst. prof, Oregon, 54-55; assoc. prof, Portland State, 55-63; PROF, TEMPLE BUELL COL, 64- Fulbright prof, Jadavpur & Osmania Univs, India, 58-60; res. grant, grad. sch. int. studies, Denver, 65; Am. Polit. Sci. Asn. cong. fel, 65-66. Polit. Sci. Asn; Int. Studies Asn.
- Soviet education, especially in the period between 1917-1937. Publ: Contrib, Soviet society: a book of readings, Houghton, 61; auth, The thaw in Soviet views of the West, The Progressive, 4/67; The Soviet quest for respectability, Rocky Mt. Soc. Sci. J, 10/66. Address: Dept. of Political Science, Temple Buell College, Denver, Colo. 80220.
- WIDRIG, T(HEODORE) M(ERRITT), b. Seattle, Wash, June 29, 26; m. 46; c. 3. MATHEMATICAL STATISTICS. B.S., Washington (Seattle), 48. Anal. statistician biol, U.S. Fish & Wildlife Serv, 49-55; sr. res. eng, convair div, Gen. Dynamics Corp, 55-61; appln. analyst, Remington Rand Univac, San Diego, 61-64; tech. staff anal. comput. appln, Logicon Inc, 64-68; HEAD TECH. STAFF, U.S. NAVY FLEET COMPUT. PROG. CENTER, PACIFIC, 68- Applied mathematics; operations analysis; systems analysis. Address: 355 Bellaire St, Del Mar, Calif. 92014.
- WIEBE, DEAN GERHART D(AVID), b. Beatrice, Nebr, Nov. 29, 11; m. 43. PSYCHOLOGY. A.B., Doane Col, 33; M.A., Ohio State, 39, Ph.D.(psychol), 42. Radio study dir, Columbia Broadcasting Syst, Inc, 42-43; res. psychologist, 46-55, asst. to pres. & res. psychologist, 55-58; job head, Elmo Roper & Assocs, 56-58, partner, 58-62; DEAN SCH. PUB. COMMUN, BOSTON, 62- Consult, Forbes Res. Inc, 53-56; internal info, U.S. Air Force, 61-; U.S. Info. Agency, 62- U.S.A., 43-46, 2nd Lt. Psychol. Asn; Asn. Pub. Opinion Res.(v-pres, 55; pres, 56). Public opinion; industrial psychology. Publ: Responses to the televised Kefauver hearings and some social psychological implications & implications of separating opinions from attitudes. Pub. Opinion Quart; contrib, Mass communication, Soc. Psychol. Address: School of Public Communication, Boston University, 640 Commonwealth Ave, Boston, Mass. 02215.
- WIEBE, DR. ROBERT H(UDDLESTON), Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WIECKING, E(RNST) H(ERMANN), b. Mankato, Minn, Jan. 29, 00. LAND ECONOMICS. B.S., Minnesota, 23; A.M., Harvard, 32. Agr. economist, div. land econ, bur. agr. econ, U.S. DEPT. AGR, 24-30, asst. div. leader, 32-34, asst. chief land policy sect, agr. adjust, admin, 34-35; asst. land use coordinator, off. of secy, 37-42, land use coordinator, 42-45, agr. economist, 45-50, head div. land econ, bur. agr. econ, 50-54, asst. chief prod. econ. res. br, agr. res. serv, 54-58; asst. dir. farm econ. res. div, 58-61, DEP. DIR. FARM PROD. ECON. DIV. ECON. RES. SERV, 61- Chief land use planning sect, land utilization div, U.S. Resettlement Admin, 35-37. Mem. cmt. training land use planning, Soc. Sci. Res. Coun. Agr. Econ. Asn; Soc. Pub. Admin; Soc. Planning Off. Farm real estate values; economics of land use and conservation, water use and development and agricultural production. Address: 102 N. Quaker Lane, Alexandria, Va. 22304.
- WIEDER, DANIEL, b. New York, N.Y., Nov. 19, 23; m. 54; c. 2. PSYCHOLOGY. B.A., Brooklyn Col, 49; M.A., N.Y. Univ, 51. Coordinator voc. guid, midtown center, City Col. New York, 49-50; rehab. counsr. voc. guid, State Employ. Serv, N.Y., 51-55; dir. rehab. United Cerebral Palsy Queens, Inc, 55-57; rehab. consult, Am. Heart Assn, 57-59; EXEC. DIR. SPEC. ED. & REHAB, UNITED CEREBRAL PALSY QUEENS, INC, JAMAICA, N.Y., 59- Instr, Hofstra, 68- U.S.A., 43-46. Psychol. Asn; Personnel & Guid. Asn; Rehab. Asn. Psychological aspects of disability as they relate to the maximum realization of the individual's potential abilities in the physical, social and vocational areas. Address: 26 Deborah Rd, Syosset, N.Y. 11791.
- WIEDER, DR. GERALD S(TANLEY), b. New York, N.Y., July 23, 19; m. 45; c. 2. CLINICAL PSYCHOLOGY. A.B., Brooklyn Col, 43; M.A., N.Y. Univ, 49, Ph.D.(psychol), 51; William Alanson White Inst. Psychiat, 51-54; Asn. Group Psychoanal. & Process, 57-59. Personnel mgr. & clin. psychologist. BROOKLYN COMMUNITY COUNSELING CENTER, 46-57, CO-DIR, 57-; LECTR. & COORDINATOR PRACTICAL PSYCHOL. DIV. VOC. STUDIES, BROOKLYN COL, 54- Private practice, 53- Dipl. Am. Bd. Exam. Prfln. Psychol, 59. U.S.N., 43-45. Psychol. Asn; Interam. Soc. Psychol. Individual and group therapy; clinic administration; effective teaching. Publ: Group procedures modifying attitudes of prejudice in the college classroom, J. Ed. Psychol. Address: 50 Kenilworth Place, Brooklyn, N.Y. 11210.
- WIEDNER, PROF. DONALD L(AWRENCE), African Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WIEGAND, PROF. G(UENTHER) C(ARL), b. Marburg, Germany, May 25, 06; nat; m. 47. ECONOMICS, FINANCE. B.A., New Mexico, 44, M.A., 45; Ph.D., Northwestern, 50. Asst. prof. ECON. & FINANCE, Loyola (Ill), 46-50; assoc. prof, Mississippi, 50-55; PROF, SOUTHERN ILLINOIS, 55- Vis. lectr, Illinois, 55-56. Econ. Asn. Monetary theory; history of economic thought. Publ: Preface to the social sciences; co-auth, A proper monetary and banking system for the United States; auth, Economics, its nature and importance, Barron's, 68. Address: Dept. of Economics, Southern Illinois University, Carbondale, Ill. 62901.
- WIEGMANN, PROF. FRED H, b. Centerville, La, Mar. 16, 21; m. 41; c. 2. AGRICULTURAL ECONOMICS. B.S. Southwestern Louisiana, 41; M.S. La. State, 50; Ph.D., Iowa State, 53. Asst. agr. econ. La. State, 49-50; Iowa State, 50-52, res. assoc, 52-53; asst. prof. La. STATE, 53-55, assoc. prof, 55-59, chmn. dept, 59-60, PROF. AGR. ECON. & AGRIBUS. & HEAD DEPT. 60- U.S.A.A.F, 43-46. Agr. Econ. Asn. Agricultural production economics and agricultural policy. Publ: Use of regressions and test procedures, Farm income: a confused picture & co-auth, Allocation of resources in farm management: production economics research, J. Farm Econ. Address: Dept. of Agricultural Economics, Louisiana State University, Baton Rouge, La. 70803.
- WIELAND, PROF. BETTY A(NN) (PURVIS), b. Des Moines, Iowa, Sept. 17, 19; m. 44. PSYCHOLOGY. A.B., California, Los Angeles, 51, Ph.D.(psychol), 58. Lectr. PSYCHOL. & res. assoc, California, Los Angeles, 57-58; asst. prof, HOUSTON, 58-61, assoc. prof, 61-66, PROF, 66- Consult, psychiatrist, & psychosom. res. lab, Vet. Admin. Hosp, 60- Psychol. Asn; Soc. Psychophysiol. Res.(secy-treas, 65-). Visual perception; psychophysiology especially as related to stress and emotion. Publ: Co-auth, Modification of

autonomically mediated physiological responses to cold pressor by word association, *Psychophysiology*, 2: 1-9 & Comparisons of responses to anticipated stress and stress, *Psychosom. Med.*, 28: 795-807; auth, Long-term changes in properties of the autokinetic illusion, *Perceptual & Motor Skills*, 22: 367-369. Address: Psychology Dept, University of Houston, Houston, Tex. 77004.

WIELAND, DR. GEORGE F(RED), b. New York, N.Y., July 14, 36; m. 59; c. 3. SOCIOLOGY & SOCIAL PSYCHOLOGY. A.B., Stanford, 58, M.A., Michigan, 59, Ph.D.(soc. psychol.), 65. Asst. study dir, SURV. RES. CENTER, INST. SOC. RES, MICHIGAN, 61-65, STUDY DIR, 65- U.S. Pub. Health Serv. fel, Guy's Hosp. Med. Sch, 68- Survey research; organizations. Address: Hospital Centre, 24 Nutford Place, London W. 1, Eng.

WIENCKOWSKI, DR. LOUIS A(NTHONY), b. Buffalo, N.Y., May 18, 21; m. 44; c. 3. PSYCHOLOGY. B.A., Buffalo, 52, Ph.D.(psychol.), 59. Asst. clin. & exp. psychol, Buffalo, 52-54; psychol. warfare div, HUMRRO, 54-55, res. as- soc, 55-56; res. analyst, res. grants & fcls. br, NAT. INST. MENT. HEALTH, 56-59, asst. chief, 59-66, chief consult. & spec. serv. br, 66, DEPT. DIR. DIV. SPEC. MENT. HEALTH PROG, 67- U.S.A.A.F., 42-45, Sgt. AAAS; Psychol. Asn; Orthopsychiat. Asn. Mental health research; propaganda media and communication; psychological warfare; psychological deficit in schizophrenia; drug abuse. Address: Division of Special Mental Health Programs, National Institute of Mental Health, Barlow Bldg, Chevy Chase, Md. 20014.

WIENER, DR. DANIEL N(ORMAN), b. Duluth, Minn., Feb. 5, 21; m. 41; c. 3. PSYCHOLOGY. B.A., Minnesota, 41, M.A., 42, Ph.D., 50. Asst. to dean stu- dents, Minnesota, 41-42; clin. psychologist, State of Conn, 43-44; chief counseling sect, Vet. Admin. Rehab. Prog, Minn., 44-51, PSYCHOLOGIST, VET. ADMIN. MENT. HYG. CLIN, 51-; PSYCHOTHERAPIST, 67- Assoc. prof, dept. psychol, med. sch. & sch. soc. work, Minnesota, 52-; lectr, Univ. Puerto Rico. Consult, training & selection prog, State Ment. Health Prog, 53; Gov. Cmn. Ment. Health, 62. Dipl. Am. Bd. Exam. Prfnl. Psychol, 62. U.S.A.A.F., 42-43. Fel. Psychol. Asn. Practice and theory of psychotherapy; client-consumer education; structured short-term methods. Publ: Discipline achievement and mental health; co-auth, Dimensions of psychotherapy, Al- dine, 66; Short-term psychotherapy and structured behavior change, McGraw, 66. Address: 1900 Beechwood Ave, St. Paul, Minn. 55116.

WIENER, DR. EARL L(OUIS), b. Shreveport, La., May 30, 33; m. 55; c. 2. INDUSTRIAL ENGINEERING, PSYCHOLOGY. B.A., Duke, 55; Woodrow Wilson Found. fel, Ohio State, 58-59, M.A., 59, Ph.D.(psychol, indust. eng), 61. Asst. aviation psychol. lab, Ohio State, 58-59, ops. res. group, 59-60, res. assoc, sys. res. group, 60-61; asst. prof. psychol. & indust. eng, MIAMI (FLA), 62-66, ASSOC. PROF. PSYCHOL. & ADJ. ASSOC. PROF. PSYCHOL, 66- U.S.A.F., 55-57; Nat. Guard, 59-61, 1st Lt. Human Factors Soc; Psychol. Asn; Soc. Eng. Psychol; Inst. Indust. Eng. Human factors; operations research; human vigilance and monitoring; effect of human per- formance on systems performance; traffic safety. Address: Dept. of In- dustrial Engineering, University of Miami, Coral Gables, Fla. 33124.

WIENER, PROF. ERNST A(DOLF), Sociol, see 10th ed, Soc. & Behav. Vols.

WIENER, PROF. MORTON, b. New York, N.Y., July 13, 20; m. 41; c. 3. PSY- CHOLOGY. B.S.S., City Col. New York, 49, M.S., 50; Ph.D.(psychol), Roch- ester, 53. Clin. asst, U.S. Pub. Health Serv, Rochester, 50-53; staff psy- chologist, Carter Mem. Hosp, Indianapolis, Ind., 53-54, chief psychologist, Cent. State Hosp, 54-56; asst. prof. psychol. & assoc. in psychiat, Roches- ter, 56-57; assoc. prof. PSYCHOL, CLARK, 57-64, PROF, 64-, DIR. CLIN. PSYCHOL. TRAINING, 57- Consult, Vet. Admin. Sig.C, U.S.A., 43-46. Psy- chol. Asn. Personality theory; Communication; perception and personality; reading and reading difficulties. Publ: Co-auth, Language within language; immediacy, a channel in verbal communication, Appleton, 68; Personality and perception in the recognition threshold paradigm, Psychol. Rev, 63; Mechanisms of defense: an alternative response, J. Personality, 64. Ad- dress: Dept. of Psychology, Clark University, 950 Main St, Worcester, Mass. 01610.

WIENKE, DR. RICHARD E(UGENE), b. Cleveland, Ohio, June 7, 23; m. 49; c. 2. PSYCHOLOGY. B.S., Illinois, 49, M.A., 51, Ph.D.(psychol), 55. Res. assoc. psychol, HUMRRO, 54-55; psychologist, U.S. Naval Med. Res. Lab, Conn, 55-59; eng. psychologist, Lockheed Missiles & Space Co, 59-60; hu- man factors scientist, ord. dept, Gen. Elec. Co, 60-63; res. psychologist, U.S. Air Force Aerospace Med. Res. Labs, 63-66; sr. scientist, div. 5, HUMRRO, 66-67; ASSOC. PROF. PSYCHOL, CENTRAL STATE, 67- U.S.A.A.F., 43-45; U.S.A., 51-53, 1st Lt. Color and scotopic vision; phenom- ena; test construction and modes of test scoring. Publ: Co-auth, The effect of spectacles and contact lenses on the Rayleigh equation, Die Farbe, 60; auth, Empirical derivation of the CIE luminosity curve from color mixture data & Refractive error and the green-red ratio, J. Optical Soc. Am. Ad- dress: 7740 Beldale Ave, Dayton, Ohio 45424.

WIENS, PROF. ARTHUR N(ICHOLAI), b. McPherson, Kans., Sept. 7, 26; m. 49; c. 3. PSYCHOLOGY. B.A., Kansas, 48, M.A., 52; Ph.D.(clin. psychol), Port- land, 56. Staff psychologist, Topeka State Hosp, Kans., 49-53; Ore. State Hosp, Salem, 54-58; clin. instr. MED. PSYCHOL, MED. SCH, OREGON, 58-61, asst. prof, 61-65, assoc. prof, 65-66, PROF, 66- Clin. assoc, Port- land, 58-61. Chief psychologist, Ore. State Hosp, Salem, 58-61. Mem. nursing res. study sect, U.S. Pub. Health Serv, 66-67. AAAS; Psychol. Asn. Personality assessment; research on the psychiatric interview; clinical practice; research and teaching. Publ: Co-auth, Studies of interview speech behavior, In: Research in behavior modification: new developments and im- plications, Holt, 65; Interview interaction behavior of three groups of nurses: supervisors, head nurses, and staff nurses, Nursing Res, 65; Meth- ods of research in psychotherapy, In: Experimentation in the teaching and learning of psychotherapy skills, Appleton, 66. Address: Dept. of Medical Psychology, University of Oregon, Portland, Ore. 97201.

WIENS, PROF. HEROLD J(ACOB), b. Shanghang, China, Dec. 26, 12; m. 41; c. 4. GEOGRAPHY. A.B., California, 35; Yenching, Peking, 36-37; George Washington, 42; A.M., Michigan, 47, Ph.D., 49. Chief China econ. sect, res.

& anal. br, Off. Strategic Serv, 45-46; instr. geog, Yale, 47-50, asst. prof, 50-55, assoc. prof, 55-62, prof, 62-66; PROF. GEOG, HAWAII, 66- DIR. ASIAN STUDIES, 67- Off. Naval Res. grant, 51-52; Guggenheim fel. on Sinkiang, 61-62; Fulbright vis. lectr. & researcher, Hong Kong, 61-62; Univ. Malaya, 64-65; Australia & N.Z., summer, 65. Consult, Edward St. Lab. Harbor Protection Proj, 51-60. Pac. Sci. Bd. expd, Micronesia, 54, coral atoll study, 55-58; field study, Marshall Islands, 56. Asn. Am. Geog; Geog. Soc; Asn. Asian Studies. Chinese geography and culture; Central Asia and Mongolia; Pacific Islands. Publ: Atoll environment and ecology; Pacific Island bastions of the United States; Han-Chinese expansion in South China. Address: Dept. of Geography, University of Hawaii, Honolulu, Hawaii 96822.

WIERER, DR. RUDOLPH F, European Hist, Polit. Sci, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WIERS, DR. PAUL, Econ, see 10th ed, Soc. & Behav. Vols.

WIERSMA, PROF. WILLIAM, JR, b. Friesland, Wis., June 22, 31; m. 57; c. 2. EDUCATIONAL PSYCHOLOGY. B.S., Wis. State Col.(Stevens Point), 53; M.S., Wisconsin, 57, Ph.D.(ed), 62. Instr, high sch, Wis., 57-59; res. assoc. ed. psychol, Wisconsin, 61-62, instr, 62-63; asst. prof. ed. res. & statist, TOLEDO, 63-65, assoc. prof, 65-67; PROF. ED. RES. & STATIST. & DIR. CENTER ED. RES, 67- Summer faculty fel, Toledo, 68. Consult, Assoc. Cols. of Midwest, 62-64; Findlay Col, 66- U.S.A., 53-55. Psychol. Asn; Ed. Res. Asn. Human learning, especially concept learning and related learning in the classroom. Publ: An introduction to research methods in education, Lippincott, (in press); co-auth, Strategies of learning and efficiency of concept attainment by individuals and groups, CRP. 1442, Univ. Wisconsin, 64; auth, A cross-national comparison of academic achievement of mathematics majors preparing to teach in the secondary schools, Sch. Sci. & Math, 67: 389-394. Address: Dept. of Educational Research & Statistics, University of Toledo, Toledo, Ohio 43606.

WIESCHHOFF, DR. H(EINRICH) A(LBERT), Anthropol, see 10th ed, Soc. & Behav. Vols.

WIESEN, PROF. THOMAS F(ERDINAND), b. Ft. Worth, Tex., Aug. 8, 92. IN- TERNATIONAL ECONOMICS. A.B., Agr. & Mech. Col. Tex., 20; M.B.A., Pennsylvania, 35. Instr, TEX. TECH. COL., 40-42, head dept. ECON, 42-58, prof, 42-62, EMER. PROF, 62- Econ. Asn; Acad. Polit. & Soc. Sci; Acad. Polit. Sci. Address: 2216 Broadway, Lubbock, Tex. 79401.

WIEST, DR. JEROME D, b. Salt Lake City, Utah, Mar. 18, 30; m. 60; c. 2. BUSINESS ADMINISTRATION. B.S., Utah, 51; M.B.A., Harvard, 58; M.S. & Ph.D.(indust. admin), Carnegie Inst. Tech, 63. Chem. engr, Shell Chem. Co, 51-53; asst. prof. bus. admin, Utah, 58-60; California, Los Angeles, 63-67; ASSOC. PROF. MGT. SCI, RICE, 67- Consult, Rand Corp, 64-; summer, process engr, Phillips Petrol. Corp, 56, 57. U.S.A.F., 53, 1st Lt. Inst. Mgt. Sci; Ops. Res. Soc. Am. Development of heuristic scheduling models for scheduling large projects with limited resources. Publ: Some properties of schedules for large projects with limited resources, Ops. Res, 5-6/64; Heuristic programs for decision making, Harvard Bus. Rev, 9-10/66; A heuristic model for scheduling large projects with limited resources, Mgt. Sci, 2/67. Address: Dept. of Economics, Rice University, Houston, Tex. 77001.

WIEST, DR. WILLIAM MARVIN, b. Loveland, Colo., May 8, 33; m. 55; c. 3. PSYCHOLOGY. B.A., Tabor Col, 55; M.A., Kansas, 57; Woodrow Wilson fel, California, Berkeley, 60-61, Ph.D.(psychol), 62. Asst. prof. PSYCHOL, REED COL, 61-67, ASSOC. PROF, 67- Nat. Inst. Ment. Health res. grant, 66-67. AAAS; Psychol. Asn; Soc. Exp. Anal. Behav. Experimental analysis of social behavior; verbal behavior; comparative psychology. Publ: A quan- titative extension of Heider's theory of cognitive balance, Psychol. Monogr, 65; Some recent criticisms of behaviorism and learning theory, Psychol. Bull, 67; co-auth, Some factors affecting choice in the prisoner's dilemma, J. Conflict Resolution, 67. Address: Dept. of Psychology, Reed College, Portland, Ore. 97202.

WIGDOR, DR. BLOSSOM T(EMKIN), b. Montreal, Que., June 13, 23; m. 45; c. 1. PSYCHOLOGY. B.A., McGill, 45, Ph.D., 52; M.A., Toronto, 46. CHIEF PSYCHOLOGIST, QUEEN MARY VET. HOSP, DEPT. VET. AFFAIRS, 46- Lectr, McGill, 49-64, asst. prof, 64- Consult. & res. assoc, Maimonides Hosp; & Home for Aged, 55- Am. Psychol. Asn; Soc. Proj. Tech; Geront. Soc; Can. Psychol. Asn. Clinical psychology; personality assessment and research; perception; gerontological research and the processes of aging. Publ: Co-auth, Rorschach patterns related to sociometric status of school children, Sociometry; Androgen effect on senescent memory function, Geri- atrics; Age differences in retention of learning, J. Geront. Address: 503 Roslyn Ave, Westmount, Que, Can.

WIGGINS, DR. CHARLES (WILLIAM, b. Clarion, Iowa, Feb. 26, 37; m; c. 4. POLITICAL SCIENCE. B.A., Iowa, 59; Ford Found. fel, Washington (St. Louis), 59, Carnegie Found. fel, 60, Universal Match-Givens fel, 62, M.A., 63, Ph.D.(polit. sci), 64. ASST. PROF. POLIT. SCI, IOWA STATE, 64- Summer lectr, Washington (St. Louis), 63 & 64; Iowa Center Ed. Polit. res. grant, 65-66; State Legis. Serv. fel, Am. Polit. Sci. Asn, 67-68. U.S.A., 61- 62, 1st Lt. Polit. Sci. Asn; Nat. Munic. League. State legislative and county government politics; state party chairmen; local party leaders; state legis- lative reapportionment; organization of orientation programs for freshmen Iowa legislators. Publ: Party politics in the Iowa legislature, Midwest J. Polit. Sci, 11/67; co-auth, Legislative politics in Iowa, In: Midwest legisla- tive politics, Inst. Pub. Affairs, Univ. Iowa, 1/68; auth, The politics of county government reform, West. Polit. Quart, 3/68. Address: Dept. of Government, Iowa State University, Ames, Iowa 50010.

WIGGINS, DR. JACK G(ILLMORE), JR, b. Little Rock, Ark., Jan. 1, 26; m. 48. PSYCHOLOGY. B.A., Oklahoma, 48; M.A., Southern Methodist, 51; fel, Pur- due, 51-52, Ph.D.(clin. psychol), 52. Chief psychologist, outpatient clin, Cleveland Psychiat. Inst. & Hosp, 52-63; PRIVATE PRACTICE, 57-; PRES, PSYCHOL. DEVELOP. CENTER, 67-; SECY, PERSONAL GROWTH PRESS, 67- U.S.A., 44-46. Psychol. Asn. Effects of psychotherapeutic intervention of selective perception; test construction involving projective methods; psy-

chological depressions and depressive states; marital skills and adjustments. Publ: Contrib, Helping yourself with applied psychology, Parker, 67; co-auth, Coping with personal depression, Personal Growth Press, 68; Multitress solution anagram solving as an index of anxiety, J. Clin. Psychol. Address: 6867 Pearl Rd, Cleveland, Ohio 44130.

WIGGINS, PROF. JAMES W (LHLELM), b. Salisbury, N.C., July 14, 14; m. 38; c. 2. SOCIOLOGY. B.S. Ga. South. Col, 34; A.M. Duke, 43, Ph.D. (sociol, anthropol), 56. Instr. sociol, Emory, 46-47, asst. prof, 47-51, assoc. prof, 51-59, prof, 59-63, acting chmn. dept, 50-52, chmn. dept, 52-60; PROF. SOCIOLOG. & ASSOC. DEAN COL. ARTS & SCI, CONVERSE COL, 63- Fel. Conf. on Politi. Econ, Univ. North Carolina, 57; Fifth Inst. Freedom, Claremont Colls, 58; spec. lectr, inst. hist. & polit. econ, 62; Long Island, 62. Consult, Am. Nat. Red Cross; Am. Col. Hosp. Adminstr; Am. Med. Assn; Ment. Health Res. Adv. Cmt; State Dept. Pub. Health, Ga. Trustee, Inst. Monetary Res. Mem, Int. Cong. Gerontol. U.S.A., 43-46, Res, 46-, Lt. Col. Fel. AAAS; Sociol. Assn; Anthropol. Assn; Pop. Assn; Gerontol. Soc. Personality formation; social structure and population; creativity-social deviation; epistemology of science and the humanities; scientists' responses to threatening research findings; inter-variety breeding and frustration tolerance in rats. Publ: Psychiatry and responsibility; Co-auth, The new argument in economics, 63 & Central planning and neomechanism, 64, Van Nostrand. Address: Dept. of Sociology, Converse College, Spartanburg, S.C. 29301.

WIGGINS, PROF. JERRY S (LATER), b. Pittsburgh, Pa, Mar. 15, 31; m. 60; c. 1. PSYCHOLOGY. A.B. American Univ, 52; Ph.D. Indiana, 56. Asst. prof. PSYCHOL, Rochester, 56-57; Stanford, 57-62; assoc. prof, ILLINOIS, URBANA, 62-67, PROF, 67- Field selection officer, Peace Corps, 64- Psychol. Assn; Psychomet. Soc; Psychonomic Soc. Stylistic determinants in personality assessment; levels of measurement in multivariate systems of personality assessment; joint functional prediction; sociometric measures of adjustment; clinical judgement process; content scaling procedures in personality measurement. Publ: Strategic, method and stylistic variance in the MMPI, Psychol. Bull, 62; Substantive dimensions of self report in the MMPI item pool, Psychol. Monogr, 66; Personality structure, Annual Rev. Psychol, 68. Address: Dept. of Psychology, University of Illinois, Urbana, Ill. 61801.

WIGGINS, DR. LEE M (ANNING), b. Hartsville, S.C., Oct. 15, 19; m. 55. SOCIOLOGY. B.A. North Carolina, 41; Ph.D. (sociol), Columbia, 55. Res. assoc. bur. appl. soc. res. Columbia, 50-52, prog. dir, 52-54, asst. prof. sociol, 54-56; sociologist, consumer behav. res. Gen. Elec. Co, 59-61; assoc. prof. soc. work, Columbia, 61-67; PRES, BEHAVIORMETRICS, INC, 67- Fel. Center Adv. Study Behav. Sci, 55-56. Consult, Russian Res. Center, Harvard, 50-52, human resources res. inst, 52. U.S.A.A.F, 42-46, Capt. Fel. AAAS; fel. Sociol. Assn; Statist. Assn; Asn. Pub. Opinion Res. Short-run social change; quantitative study of attitude and behavior processes in relation to social structure; sociological research methodology. Publ: Mathematical models for attitude and behavior change & Interviewing in foreign area research, Bur. Appl. Soc. Res. Report. Address: 34 W. 95th St, New York, N.Y. 10025.

WIGGINS, PROF. RICHARD HENRY, SR, b. Sinton, Tex, Sept. 29, 12; m. 35; c. 3. JOURNALISM, MASS COMMUNICATION. B.A. La. State, 34, M.A. 36; Ph.D. (commun), Iowa, 64. Instr. JOURNALISM, LA. STATE, 35-38, asst. prof, 38-46, assoc. prof, 46-64, PROF, 64- BUS. MGR, THE REVEILLE & GUMBO, 38-, MGR. PRINTING OFF, 49-; bus. mgr, Reveille, 35-38. A.U.S., 42-46, Lt. Col. Asn. Ed. Journalism. Effect of typography on reading. Publ: Louisiana press and the lottery, La. Hist. Quart, 7/46; Effects of three typographical variables on speed of reading, J. Typographic Res, 1/67. Address: 751 DuBois Dr, Baton Rouge, La. 70808.

WIGHTWICK, PROF. M (ARY) IRENE, b. New York, N.Y., Dec. 1, 97. PSYCHOLOGY. B.A. Col. New Rochelle, 18; M.A. Columbia, 34, Ph.D. 43. Personnel dir, COL. NEW ROCHELLE, 32-66, assoc. prof. psychol, 41-62, prof, 62-63, dir. instrnl. res, 63-66, EMER. PROF. PSYCHOL, 66- Lectr, sch. ed, Fordham, 47-51. Psychol. Assn; Personnel & Guid. Asn. Vocational interest; personality; counseling. Publ: Vocational interest patterns, contributions to education. Address: 145 Woodland Ave, New Rochelle, N.Y. 10805.

WIKE, PROF. EDWARD L (EROY), b. Ravenna, Ohio, Feb. 19, 22; m. 59; c. 3. PSYCHOLOGY. Ph.D. (psychol), California, Los Angeles, 52. Asst. prof. PSYCHOL, KANSAS, 51-57, assoc. prof, 57-62, PROF, 62- Res. consult, Vet. Admin, 60- U.S.A.A.F, 43-45. Psychol. Assn. Animal motivation; learning theories; experimental design. Publ: Secondary reinforcement; selected experiments, Harper, 66. Address: Dept. of Psychology, University of Kansas, Lawrence, Kans. 66044.

WIKE, DR. J. ROFFE, II, b. Roaring Spring, Pa, Jan. 29, 27. POLITICAL SCIENCE. A.B. Princeton, 48; M.A. Pennsylvania, 51, Ph.D. 55. Instr. polit. sci, Pennsylvania, 55-56, asst. prof, 56-60; investment counsr, Arthur E. Spellissy, 60-64; V.PRES. & INVESTMENT COUNSR, COOKE & BIELER, INC, 65- Publ: The Pennsylvania manufacturers association, Univ. Pennsylvania, 60. Address: 146 Ridgewood Rd, Radnor, Pa. 19088.

WIKOFF, DR. RICHARD L (EE), b. Wichita, Kans, Jan. 23, 31; m. 48; c. 3. PSYCHOLOGY, COMPUTER SCIENCE. A.B. Bethany-Nazarene Col, 60; Oklahoma, 60-61; M.S. Okla. State, 63, Ph.D. (ed. psychol), 65. ASST. PROF. PSYCHOL. & STATIST, NEBRASKA, OMAHA, 64-, DIR. COMPUT. CENTER, 67- Psychol. consult, Sch. Dist. 66 & 27, Nebr. 65- Psychol. Assn; Asn. Comput. Mach. Application of learning principles to education; psychometrics; applied statistics. Publ: Co-auth, The IES arrow dot performance of delinquents and nondelinquents, Perceptual & Motor Skills, 18: 207-210. Address: Dept. of Psychology, University of Nebraska at Omaha, Omaha, Nebr. 68101.

WIKSELL, DR. MILTON J (OEL), b. Marquette, Nebr, July 28, 10; m. 40; c. 2. INDUSTRIAL RELATIONS. B.A. Wayne State Col, 35; M.A. La. State, 38, Ph.D. 48. From instr. to asst. prof. speech, Maryland, 39-48; prof. & chmn. div. lang. & lit, Shepherd Col, 48-54; ASSOC. PROF. indust. commun, Indi-

ana, 54-56; indust. commun. & adult speech, Mich. State, 56-64; COMMUN, WISCONSIN, MILWAUKEE, 64- Summers, prof, La. State, 39; lectr, grad. sch. savings & loan, Indiana, 54-58. Consult, Civilian Personnel Off, Ft. Monmouth, N.Y., 60; Am. Youth Leadership Prog, W.Va, 60; Employ. Security Cmn, Mich, 60. 2nd v-pres, Nat. Soc. Study Commun. U.S.A., 42-46. Speech. Assn; Inst. Parliamentarians. Oral communication in interpersonal relationships and industrial organizations. Publ: Co-auth, Principles of speaking, Wadsworth, 62. Address: Dept. of Communication, University of Wisconsin, Milwaukee, Wis. 53211.

WIKSELL, PROF. WESLEY A, b. Kiron, Iowa, Jan. 7, 06; m. 34; c. 2. SPEECH, MASS COMMUNICATIONS. B.A. Iowa, 29, M.A. 31; Ph.D. La. State, 35; Wisconsin, 33; London, 39; Columbia, 42; Chicago, 43. Teacher, Newcastle High Sch, Nebr, 27-28; prof. speech, Stephens Col, 29-47, chmn. commun. div, 34-47; PROF. SPEECH & SEMANTICS, LA. STATE, 54-, vis. prof, 36. Vis. prof, Missouri, 46; Hawaii, 55; lectr, inst. effective teaching for young Eng. teachers, Pa. State, 60. Lectr, nat. conventions, industrs, ed. & serv. groups, 50-67. Consult, Esso Standard Oil Co, 54 & 61; Dow Chem. Co, 67. Chmn. steering cmt, Int. Interdisciplinary Conf. on Commun, 60. Nat. Soc. Study Commun. (pres, 60); Speech Assn. Am; Int. Soc. Gen. Semantics; Adult Ed. Assn. U.S. Experimental study of controlled and uncontrolled types of breathing; studies in semantics, listening and speech; communications; programmed instruction for learning parliamentary procedure. Publ: Do they understand you?; How to conduct meetings, Harper, 66. Address: Dept. of Speech, Louisiana State University, Baton Rouge, La. 70808.

WILBANKS, PROF. WILLIAM ALLEN, b. Cleburne, Tex, June 14, 28; m. 60; c. 1. PSYCHOLOGY. B.A. Texas, 49, M.A. 50, Ph.D. (psychol), 54. Res. psychologist, defense res. lab. & teaching fel. psychol, Texas, 51-54; res. psychologist, Bell Helicopter Corp, 57-59; assoc. prof. PSYCHOL, Mississippi, 59-64, PROF, 64-68; GEORGIA, 68- Mem, Miss. State Bd. Psychol. Exam, 66-68. Med. Serv. C, U.S.N.R, 54-57, Lt. Psychol. Assn; Acoustical Soc; Inst. Physics. Psychoacoustics; signal detection theory; sensory mechanisms; perception. Publ: Auth, Effect of signal delay on auditory detection with gated noise, 67 & co-auth, Detection of a narrow-band noise as a function of its interaural correlation 67, Psychonomic Sci; Detection of monaural signals as a function of interaural noise correlation and signal frequency, J. Acoustical Soc. Am, 68. Address: Dept. of Psychology, University of Georgia, Athens, Ga. 30601.

WILBER, PROF. GEORGE L (EWIN), b. Flint, Mich, July 6, 18; m. 41; c. 3. SOCIOLOGY. B.A. Michigan, 44, fel. 46-47, M.A. 47, Ph.D. (sociol), 52. Instr. SOCIOL, Nebraska, 47-49; from asst. prof. to assoc. prof, Omaha, 49-57; from assoc. prof. to PROF, Miss. State, 57-65; LA. STATE, 65- Assoc. dir, Nat. Adv. Cmn. Rural Poverty, 67. AAAS; fel. Sociol. Assn; Pop. Assn; Rural Sociol. Soc. Demography; methodology. Publ: Co-auth, The contemporary world, Prentice-Hall, 60; auth, Migration expectancy in the U.S., J. Am. Statist. Assn, 6/63; Causal models and probability, Soc. Forces, 9/67. Address: Dept. of Sociology, Louisiana State University, Baton Rouge, La. 70803.

WILBER, PROF. LEON A (USTIN), b. Weatherford, Okla, Oct. 8, 05. GOVERNMENT. A.B. Michigan, 27, A.M. 29, Ph.D. 39. Critic teacher soc. studies, univ. high sch, Mississippi, 29-42; from asst. prof. to prof. hist. & govt. & chmn. dept, SOUTHERN MISSISSIPPI, 46-62, PROF. POLIT. SCI, 62-, chmn. dept, 62-66. U.S.A., 42-46. Government in Mississippi. Address: Dept. of Political Science, University of Southern Mississippi, Hattiesburg, Miss. 39401.

WILBERT, DR. JOHANNES, b. Cologne, Germany, June 23, 27; m. 55; c. 2. ANTHROPOLOGY. B.A. Cologne, 51, Ph.D. (anthropol), 55; Fulbright fel, Yale, 53-54. Lectr. lang, Birmingham, Eng, 51-52; dir. anthropol, La Salle Found. Nat. Sci, 56-63; PROF. ANTHROP. & DIR. LATIN AM. CENTER, CALIFORNIA, LOS ANGELES, 63- Ed, Antropológica. Cultural anthropology of Venezuelan and other South American Indians; blood groups of the Amerindian and Mongoloids. Publ: Co-auth, El Antiguo del Sistema Sanguíneo Diego; Indian societies of Venezuela; Warao oral literature. Address: Latin American Center, University of California, Los Angeles, Calif. 90024.

WILBUR, DR. BARBARA M (acMICHAEL), b. Seattle, Wash, Dec. 25, 12; m. 62. PSYCHOLOGY. Ph.D. (psychol), Southern California, 50. Chief clin. psychologist, SAN FERNANDO VET. ADMIN. HOSP, 50-61, CHIEF PSYCHOLOGIST, 61- Asst. clin. prof, California, 54-57, assoc. clin. prof, 57- Psychol. Assn. Psychological aspects of disability; chronic chest diseases; alcoholism. Publ: Problems faced by staff in meeting the psychological needs of tuberculosis patients & Current status and future directions of the psychologist's role in a tuberculosis hospital, In: Personality, stress and tuberculosis, Int. Univs, 56; co-auth, The response of tuberculous alcoholics to a therapeutic community, Quart. J. Studies Alcohol, 12/66. Address: 12307 Woodley Ave, Granada Hills, Calif. 91344.

WILBUR, PROF. C (LARENCE) MARTIN, Chinese Hist. & Culture, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WILBUR, DR. WILLIAM L, b. Chicago, Ill, May 2, 28. ECONOMICS. B.A. Illinois, 51; M.S. Kentucky, 52; fel. Texas, 52-54; Ph.D. (econ), North Carolina, 67. Asst. prof. ECON, Memphis State Col, 54-56; assoc. prof, Wofford Col, 56-58; asst. prof, EAST TENN. STATE, 58-64, ASSOC. PROF, 64- Instr, North Carolina, 62-63, res. asst, 65-66. Econ. Asn. Money and banking; international trade; price analysis. Publ: Co-auth, Holding period yields on highest grade corporate bonds, Appalachian Financial Rev, spring 68. Address: Dept. of Economics, East Tennessee State University, Johnson City, Tenn. 37602.

WILBURN, DR. JEAN ALEXANDER, b. New York, N.Y., Mar. 22, 15; div; c. 1. ECONOMICS. B.A. California, Berkeley, 44; M.A. Columbia, 63, Ph.D. (econ), 64. Lectr. math, California, Berkeley, 44-46; buyer, Kreege-Newark, 51-53; Franklin Simon, 53-57; merchandise mgr, Consol. Retail Stores, 57-59; buyer & merchandise mgr, J.J. Newberry Co, 59-61; lectr. ECON, Columbia, 61-63; Brooklyn Col, spring 64; ASST. PROF. BARNARD COL.

COLUMBIA, 64- Staff mem, Nat. Bur. Econ. Res, 63-65. Econ. Asn. United States economic history. Publ: Biddle's bank: the crucial years, Columbia, 67; co-auth, Productivity differences within the service sector, Nat. Bur. Econ. Res, 67. Address: Dept. of Economics, Barnard College, Columbia University, New York, N.Y. 10027.

WILCOCK, PROF. RICHARD C (ARRINGTON), Econ, see 10th ed, Soc. & Behav. Vols, deceased 63.

WILCOTT, PROF. ROBERT C (HARLES), Exp. Psychol, see 11th ed, Phys. & Biol. Vols.

WILCOX, DR. BARBARA MORGAN, b. Kewanee, Ill, Aug. 26, 42; m. 66. PSYCHOLOGY. B.A. Colo. Col, 63; Nat. Sci. Found. fel & M.A. Brown, 65, Nat. Sci. Found. fel. & Ph.D. (psychol), 67. ASST. PROF. PSYCHOL, BISHOP COL, 67- Development of the visual responses of human infants. Publ: Co-auth, Infant visual fixation on motion pictures of the human face; J. Exp. Child Psychol, 3/68. Address: 3803 Humphrey St, Dallas, Texas 75216.

WILCOX, DR. BLANCHE BOWDEN, Statist, see 10th ed, Soc. & Behav. Vols.

WILCOX, PROF. CLAIR, b. Cuba, N.Y. Jan. 29, 98. ECONOMICS. B.S. Pennsylvania, 19, Ph.D. 27; A.M. Ohio State, 22. Instr. econ, Lafayette Col, 19-20; asst. prof. Ohio Wesleyan, 20-23; instr. Pennsylvania, 23-27; asst. prof. SWARTHMORE COL, 27-29, assoc. prof, 29-31, from prof. econ. to JOSEPH WHARTON PROF. POLIT. ECON, 31- Dir. res, Nat. Cmn. Law Observance & Enforcement, 30-31; indust. mat. div, Off. Price Admin, 42-43, off. int. trade policy, U.S. Dept. State, 45-48. Spec. adv. consumer's adv. bd, Nat. Recovery Admin, 34-35; consult. economist, Soc. Security Bd, 36; econ. expert, Temporary Nat. Econ. Cmt, 39-40; adv. planning bd, Govt. Pakistan, 56-57; consult. plan orgn. Govt. Iran, 60. Chmn. U.S. del. Int. Trade Conf, London, 46, v. chmn. Geneva, 47; del. UN Conf. Trade & Employ, Havana, 48. Econ. Asn. (v. pres, 50). Publ: Competition and monopoly in American industry; A charter for world trade; Public policies toward business. Address: Dept. of Economics, Swarthmore College, Swarthmore, Pa. 19081.

WILCOX, PROF. DONALD BROOKS, Indust. Eng, see Suppl. V to 11th ed, Phys. & Biol. Vols.

WILCOX, DR. E (LBA) JACK, b. Huntington, W. Va, June 29, 25; m. 51; c. 1. PSYCHOLOGY. B.A. Marshall Col, 48; scholar, Michigan, 48, 49, M.A., 49, U.S. Pub. Health Serv. fel, 50-52, Ph.D. (psychol), 53. Clin. psychologist, State Hosp, S. Blackfoot, Idaho, 53-54; PRACTICING CLIN. PSYCHOLOGIST, 54- AAAS; Psychol. Asn. Psychotherapy; space psychology. Publ: Psychological consequences of space travel, J. Brit. Interplanetary Soc; co-auth, Group process problems in a team research program, Provo Papers. Address: 99 E. Magnolia Blvd, Burbank, Calif. 91502.

WILCOX, DEAN FRANCIS O (RLANDO), b. Columbus Junction, Iowa, 08; m. 33; c. 1. INTERNATIONAL RELATIONS. A.B. Iowa, 30, A.M. 31, Ph.D. 33; Pol. Sc. D. Geneva, 35; hon. D.D. Hamline & Louisville, 60, Dakota Wesleyan, 61; D. Litt, Simpson Col, 64. Carnegie Endowment Int. Peace fel, 33-34; fel. Grad. Inst. Studies, Geneva, 34-35; asst. prof. polit. sci, Louisville, 35-37, assoc. prof, 37-39, chmn. div. soc. sci, 39-42; mem. staff, Off. Coordinator Inter-Am. Affairs, 42; Off. Civilian Defense, 43; U.S. Bur. Budget, 44; head int. rels. analyst, legis. reference serv, Library Cong, 45-46; chief staff, U.S. Senate For. Rel. Cmt, 47-55; asst. secy. state, 55-61; DEAN, SCH. ADV. INT. STUDIES, HOPKINS, 61-, lectr, 46-52. Fel. Hague Acad. Int. Law, 37; Gen. Ed. Bd. fel. Chicago, 40; lectr, George Washington, 45-46. Consult, Am. Coun. Ed, 41-44, U.S.N.R., 44-45, Lt. Polit. Sci. Asn. (v. pres, 58); Acad. Polit. & Soc. Sci; Am. Soc. Int. Law. International organization and American foreign policy. Publ: Ratification of international conventions; Proposals for changes in the United Nations; The United States and the United Nations. Address: School of Advanced International Studies, Johns Hopkins University, 1740 Massachusetts Ave. N.W., Washington, D.C. 20036.

WILCOX, DR. GEORGE T (AVENDER), b. Geneva, Switz, Feb. 9, 26; U.S. citizen; m. 52; c. 2. PSYCHOLOGY. A.B. Oberlin Col, 47; M.A. Kent State, 50; Ph.D., Pa. State, 56. Staff psychologist, Dayton Adult Psychiat. Clin, 56-59; CHIEF PSYCHOLOGIST, LAKE COUNTY MENT. HEALTH CLIN, 59- Med. Serv. C. U.S.A., 51-53, Res, 53-58. Psychol. Asn. Psychotherapy; psychodiagnostics; community mental health. Publ: Changes in adjustment of institutionalized female defectives, J. Clin. Psychol. Address: Mental Health Clinic, 8935 Mentor Ave, Mentor, Ohio 44060.

WILCOX, PROF. GLADE, Electronic Eng, see 11th ed, Phys. & Biol. Vols.

WILCOX, PROF. JOHN P, b. Charleston, S.C., Apr. 5, 19; m. 46; c. 2. ECONOMICS. B.A. Florida, 47, M.A. 48; N.Y. Univ. 48-50. Assoc. prof. econ, Col. Charleston, 50-51; asst. prof. Rutgers, 51-52; lectr. mgt, Detroit, 52-53; mkt, N.Y. Univ. 53-55; ASSOC. PROF. ECON, MIAMI (FLA), 55- Financial analyst, Ford Motor Co, 52-54; sr. economist, Chas. Pfizer Co, 53-55. U.S.A., 41-44, Col. Econ. Asn. Theory and history of economic thought; utilization of economic theory in the understanding of business problems. Publ: Syllabus in economic theory; Work book in economics. Address: Dept. of Economics, University of Miami, Coral Gables, Fla. 33146.

WILCOX, DR. KATHERINE W (ASHBURN), b. Columbia, Mo, June 18, 08; m. 32; c. 4. CLINICAL PSYCHOLOGY. A.B. Hamline, 29; M.A. Northwestern, 31; Ph.D. (psychol), Michigan, 54. Psychologist, Ypsilanti State Hosp, Mich, 32-33; State Div. Ment. Health, Mass, 40-41; staff psychologist, Traverse City State Hosp, 43-50, dir. psychol, 51-59; PRACTICING PSYCHOLOGIST, 59- Lectr, Mich. State, 60- Consult. to missionary personnel, Methodist Bd. Missions, 64-; div. overseas ministries, Nat. Coun. Churches, 66- Dipl. Am. Bd. Exam. Prinl. Psychol. Psychol. Asn. Psychological evaluation of psychiatric therapies and ministerial and missionary candidates; interrelationships of psychodynamic processes. Publ: Pattern of cognitive reorientation following loss of consciousness, Papers Mich. Acad. Sci. Arts & Letters; Confusion and therapy in electroconvulsive treatment,

Confinia Neurologica; contrib, Physiodynamic therapy I, shock therapy, Prog. in Neurol. & Psychiat. Address: 333 Sixth St, Traverse City, Mich. 49684.

WILCOX, LT. COL. LAWRENCE R (ANDOLPH), U.S.A.F., Exp. Psychol, see 10th ed, Soc. & Behav. Vols.

WILCOX, PROF. ROBERT F (RASER), b. Ningpo, China, Jan. 15, 16; U.S. citizen; m. 37; c. 2. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A. Stanford, 37, fel, 39-40, 40-41, M.A. (journalism & soc. sci), 40, Ph.D. (polit. sci), 50; M.A. Columbia, 44. Sr. res. asst. Haynes Found, Los Angeles, Calif, 47-50; asst. prof. POLIT. SCI, SAN DIEGO STATE COL, 50-53, assoc. prof, 53-56, PROF, 56-, DIR. PUB. ADMIN. PROG, 64-, chmn. dept. polit. sci, 59-63. Vis. prof, Thammasat, 57-58. Consult, Gov. Cmt. Health, Calif, 60. Mem. Calif. Cmt. Fulbright Scholar, 59-66; mem. Coun. Grad. Ed. Pub. Admin, 64-; chmn. Calif. Conf. Ed. for Pub. Admin, 65-66; mem. Calif. Pub. Serv. Training & Ed. Adv. Coun, 68- U.S.N.R., 42-46, Lt. Comdr. Polit. Sci. Asn; Soc. Pub. Admin. Municipal and county government. Publ: Highways; Law enforcement; co-auth, Metropolitan Los Angeles, its governments. Address: 5351 Hewlett Dr, San Diego, Calif. 92115.

WILCOX, DR. ROBERT W, b. Oakland, Ore, Mar. 14, 13; m. 42; c. 4. AGRICULTURAL ECONOMICS. B.S. Oregon State, 38; Minnesota, 40; M.S. Iowa State, 40, Ph.D. 47. Asst. exten. economist, Iowa State Univ, 39-47; exten. economist, Univ. Idaho, 47-66; FORD FOUND. CONSULT. AGR. DEVELOP, INDIA, 64-65, 66- Far East For. Trade Seminar, 60. Am. Agr. Econ. Asn; Can. Agr. Econ. Soc; Int. Asn. Agr. Econ. General economics; agricultural finance. Address: Ford Foundation, 32 Ferozshah Rd, New Delhi 1, India.

WILCOX, ROBERTA A (RLENE), Biostatist, see Suppl. V to 11th ed, Phys. & Biol. Vols.

WILCOX, PROF. SIDNEY WHITFIELD, b. Marshall, Tex, May 28, 14; m. 51; c. 4. INDUSTRIAL RELATIONS. B.A. Bethany-Nazarene Col, 37; M.A. Oklahoma, 39. Asst. English, Oklahoma, 37-39; analyst, Shoemaker-Wallboard Corp, 39-41; analyst, U.S. Gypsum Co, 41-42; testing engr, Austin Co, 42-43; process engr, Douglas Aircraft Corp, 43-45; educator malaria control, U.S. Pub. Health Serv, 45-46; teacher, pub. sch, Okla, 46-49, high sch, 49-50; procurement rep, Boeing Co, 50-55; ASSOC. PROF. TECH. COMMUN, ARIZONA STATE, 55- Dir. U.S. Signal Corps res. grant, 61; vis. lectr, Massachusetts, 67-68; inst. sci. & tech, Univ. Wales, 68. UN del. World Conf. New Sources of Energy, Rome, 61. U.S.A. 43. Soc. Eng. Ed. Communication technology; technical communication. Publ: Co-auth, The cotton story, Ariz. State Col, 56 & 58; auth, Technical communication, Int. Textbook, 62. Address: 7243 E. Diamond, Scottsdale, Ariz. 85257.

WILCOX, DR. WALTER W (ILLIAM), b. Wyoming, Iowa, 04; m. 29; c. 3. AGRICULTURAL ECONOMICS. B.S. Iowa State Col, 28; M.S. Illinois, 30; Ph.D. Harvard, 38. From jr. economist to sr. economist, bur. agr. econ, U.S. Dept. Agr, 30-35; from asst. prof. to prof. agr. econ, Iowa State Col, 35-42; asst. chief food requirements & allocations bur, War Food Admin, 43; prof, Wisconsin, 44-49; sr. specialist agr. legis. ref. serv, Library Cong, Wash, D.C. 50-66; DIR. AGR. ECON, U.S. DEPT. AGR, 67- Tech. expert, Food & Agr. Orgn, Chile, 56. Ed. J. Farm Econ, 49-50. Publ: The farmer in the second world war; Social responsibility in farm leadership; co-auth, Economics of American agriculture. Address: Dept. of Agricultural Economics, U.S. Dept. of Agriculture, Washington, D.C. 20250.

WILCOX, PROF. WARREN W (ESLEY), b. Ponca, Nebr, Mar. 15, 01; m. 29; c. 1. PSYCHOLOGY. A.B. Dakota Wesleyan, 24; A.M. Kansas, 29, Ph.D. 32. Instr. high sch, 32-35; PSYCHOL, Col. of Emporia, 35-36; Albion Col, 36-39; from assoc. prof. to PROF, PORTLAND STATE COL, 40- Dipl. Am. Bd. Exam. Psychol. Hypnosis. AAAS; fel. Psychol. Asn. Experimental and clinical hypnosis; hallucinogenic phenomena self-induced for achievement goals-personal, social and clinical; elicitation, form and function of vivid mental imagery as subject for basic research. Address: 1511 S.W. Broadway Dr, Portland, Ore. 97201.

WILCOX, DR. WAYNE A (YRES), b. Pendleton, Ind, July 13, 32; m. 56; c. 4. POLITICAL SCIENCE. B.S. Purdue, 54; A.M. Columbia, 58, Ford Overseas fel, Near & Mid. East Inst. & Ph.D. (polit. sci), 60. Instr. GOVT, COLUMBIA, 59-65, ASSOC. PROF, 65- Faculty grant, Coun. Res. in Soc. Sci, Pakistan, 60. Rockefeller grant, India, 62-63; res. staff soc. sci, Rand Corp, 67-68. Consult, For. Area Fel. Found, 65-67; Dept. State, 66-; Rand Corp, 66- U.S.N., 54-56, Lt. Polit. Sci. Asn; Asn. Asian Studies. International relations; comparative government; South Asian politics; political economy. Publ: Pakistan: the consolidation of a nation, Columbia, 63; India, Pakistan and the rise of China, Walker, 64; Asia and United States policy, Prentice-Hall, 67. Address: McVickar Hall, Columbia University, New York, N.Y. 10027.

WILCOXON, PROF. HARDY C (ULVER), b. Crossett, Ark, May 22, 21; m. 43; c. 1. PSYCHOLOGY. B.A. Arkansas, 47, M.A. 48; Ph.D. (psychol), Yale, 51. Asst. prof. psychol, Arkansas, 50-51; res. superv. mil. res, Psychol. Corp, 51-53; asst. prof. PSYCHOL, Arkansas, 53-55, assoc. prof, 55-61, PROF, 61-66; GEORGE PEABODY COL, 66- Mem. adv. panel res. & eng, Asst. Secy. Defense, 57-58. U.S.M.C.R., 42-46, Capt. Psychol. Asn. Learning theory; comparative psychology. Publ: Abnormal fixation and learning, J. Exp. Psychol, 52. Address: Dept. of Psychology, George Peabody College for Teachers, Nashville, Tenn. 37203.

WILD, DR. CYNTHIA MARGARET, b. Boston, Mass, Apr. 16, 32. CLINICAL PSYCHOLOGY. A.B. Radcliffe Col, 54; Ford Found. fel, Yale, 55-56, U.S. Pub. Health Serv. trainee, 56-59 & fel, 59-60, Ph.D. (psychol), 62. U.S. Pub. Health Serv. fel. clin. psychol, YALE, 62-64, ASST. PROF. PSYCHOL, 64- Psychol. Asn. Creative and schizophrenic thinking; disordered thinking in the parents of schizophrenic patients. Publ: Creativity and adaptive regression, J. Personality & Soc. Psychol, 65; Disturbed styles of thinking, 65 & co-auth, Measuring disordered styles of thinking, 65, Arch. Gen. Psychiat. Address: Dept. of Psychology, Yale University, New Haven, Conn. 06520.

- WILDAVSKY, PROF. AARON BERNARD, b. New York, N.Y., May 31, 30; m. 56; c. 2. POLITICAL SCIENCE. B.A. Brooklyn Col. 54; Sydney, 54-55; Falk Found. fel, Yale, 55-58, M.A., 57, Ph.D.(polit. sci.), 59. Instr. POLIT. SCI., Oberlin Col. 58-60, asst. prof. 60-63; CALIFORNIA, BERKELEY, 63-65, assoc. prof. 65-66, PROF. & CHMN. DEPT. 66- Wolfson vis. prof., Hebrew Univ., Israel, 67. West coast consult, election staff, Nat. Broadcasting Co. 66. Ed. res. series Am. polit. Rand McNally, 64-; polit. sci. ed. Markham Pub. Co. U.S.A. 50-52. Am. Polit. Sci. Assn.; Am. Soc. Pub. Admin.; Australian Polit. Sci. Assn. American national politics, especially the presidency, public administration and budgetary process; power structures and leadership of local politics; political economy. Publ: Leadership in a small town, Bedminster, 64; The politics of the budgetary process, Little, 64; co-auth. Presidential elections, Scribner, 68. Address: Dept. of Political Science, 210 Barrows Hall, University of California, Berkeley, Calif. 94720.
- WILDE, ALEXANDER, b. Vienna, Austria, May 23, 23; nat; m. 54; c. 3. ECONOMICS, BUSINESS ADMINISTRATION. B.Sc., Roosevelt, 48; M.B.A., Chicago, 49. Price economist, bur. labor statist., U.S. Dept. Labor, 49-50; admin. asst. off. int. labor affairs, Off. Secy. Labor, 50-52; mgr. statist. dept., Blue Cross-Blue Shield, 52-67; ASST. MEDICARE COORDINATOR, BLUE CROSS ASN, 67- Statist. Assn.; Admin. Mgt. Soc. Statistical and sociological research in field of hospitalization and health; statistical research in field of business economics. Publ: Statistics are vital in the modern office, Off. Equip. News. Address: Blue Cross Association, 840 N. Lake Shore Dr., Chicago, Ill. 60611.
- WILDE, PROF. GUIDO, b. July 22, 14; nat. Colombian; m. 45; c. 3. CLINICAL & EDUCATIONAL PSYCHOLOGY. M. Psychol., Nat. Univ. Colombia, 54; Ph.D., Jesuit Univ. Colombia, 58. Prof. psychol., Colombia Univ. Women's Ed. 54-58; dynamic psychol., PONTIFICIAL UNIV. JAVERIANA, COLOMBIA, 60-62, DIR. PSYCHOL. SEMINAR, 62- PROF. CLIN. PSYCHOL., 68- Psychologist, Santo Tomas Neuro-psychiat. Clin. 52-62, mem. bd. dirs. 60-62; prof., Nat. Univ. Colombia, 60-61. Consult., Colombian Airline Avianca, 65- Psychol. Assn.; Soc. Proj. Tech. & Personality Assessment; N.Y. Acad. Sci. Translation of the Minnesota Multiphasic Personality Inventory in Spanish. Publ: Psicología clínica, una nueva profesión, 64 & Una nueva dimensión de la psicología profunda, 65, Ed. Pax; Cinco temas psicológicos, Lasalle, 68. Address: Psychological Seminar, Pontifical University of Javeriana of Bogota, Bogota, Colombia.
- WILDER, CHARLES S(TILES), b. New York, N.Y., Mar. 14, 16. ECONOMICS. B.A., Texas, 47. Asst. State Dept. Labor, Conn., 49, res. assoc., State Dept. Health, 49-54, RES. STATISTICIAN, 54-56; biomet. div., Off. Surgeon Gen., U.S. Dept. Air Force, 56-60; div. res. grants, Nat. Insts. Health, PUB. HEALTH SERV., DEPT. HEALTH, ED. & WELFARE, 60-61, NAT. HEALTH SURV., 61- U.S.A., 42-45. Statist. Assn.; Pub. Health Assn. Cancer statistics. Publ: Co-auth., Cancer in Connecticut, 1935-1951. Address: 800 Fourth St. S.W., Apt. N215, Washington, D.C. 20024.
- WILDER, DR. DAVID H(OWARD), b. Kodiakanal, South India, May 13, 29; U.S. citizen; m. 60. PSYCHOLOGY. B.A., Oberlin Col. 50, M.A., 51; Ph.D. (psychol.), Boston, 60. Staff psychologist, personnel res. dept., Int. Bus. Mach. Corp. 59-61; lectr. psychol. & asst. dir. counseling serv., Princeton, 61-63; ASST. PROF. PSYCHOL. & DR. COUNSELING SERV., BUCKNELL, 63- U.S.M.C. 51-53, Res. 53-59. Psychol. Assn. Counseling and psychotherapy; institutional research in higher education; psychological testing. Publ: Co-auth., Principle of selective association of drive stimuli, J. Exp. Psychol.; Differences in difficulty of forms A and B of the Otis self-administering test of mental ability, Personnel Psychol. 63. Address: Counseling Service, Bucknell University, Lewisburg, Pa. 17837.
- WILDER, DEAN PHILIP S(AWYER), JR., b. Newton, Mass., July 24, 24; m. 47; c. 3. POLITICAL SCIENCE. B.A., Bowdoin Col. 44; A.M., Harvard, 48, Ph.D. 50. Asst. prof. polit. sci., Wabash Col. 49-52, assoc. prof. 53-59, prof. & chmn. dept. 59-68, chmn. div. soc. sci. 66-68; DEAN, CALIF. STATE COL. BAKERSFIELD, 68- Ford Found. fel, 52; vis. prof., Pomona Col. 63; Illinois, 65; Purdue, 67; lectr., Yugoslav-Am. Seminar, Ljubljana, 66. Consult., Pub. Broadcast Lab. 67- Legis. asst., U.S. Senate, 53; spec. asst. Republican Nat. Cmt. Chmn. 58. Dir., Ind. Citizens Clearing House, 54-68; asst. staff dir., Ind. Cmn. Ed. Beyond High Sch. 61; chmn., Ind. Governors's Cmn. Registration & Voting Participation, 64-65. Polit. Sci. Assn. Political theory; political parties. Publ: Meade Alcorn and the 1958 election; co-auth., Indiana government and politics, State Govt. 67. Address: California State College at Bakersfield, 615 California Ave., Bakersfield, Calif. 93304.
- WILDMAN, DR. ROBERT WILLIAM, b. Norwalk, Ohio, Jan. 30, 21; m. 45; c. 2. CLINICAL PSYCHOLOGY. Ph.D., Western Reserve, 60. Clin. psychologist, CENT. STATE HOSP., 53-59, CHIEF CLIN. PSYCHOLOGIST, 59- Instr., Ga. Col. Milledgeville, 61-65, assoc. prof. 65-; asst. prof., Georgia, 61-65, assoc. prof. 65- Consult., State Dept. Ed. Div. Voc. Rehab. Serv. & Dept. Family & Children, Ga. 61- U.S.A., 42-46, Sgt. Psychol. Assn. Psychological evaluation and treatment; advancement of clinical psychology as a profession. Publ: Co-auth., The practice of clinical psychology in the United States, J. Clin. Psychol. 67. Address: Central State Hospital, Milledgeville, Ga. 31061.
- WILEDEN, PROF. A(RTHUR) F(REDERICK), b. Waukesha Co., Wis., July 2, 96; m. 26; c. 2. RURAL SOCIOLOGY. B.S., Wisconsin, 24, M.S., 25; Columbia, 26; Soc. Sci. Res. Coun. fel., Cornell, 28-29; Chicago, 29. Instr. & Purnell res. RURAL SOCIOLOGY, WISCONSIN, 25-28, asst. prof. 29-35, assoc. prof. 35-39, assoc. prof. 35-49, prof. 49-66, EMER. PROF. 66- Spec. lectr., Cornell, 47; Minnesota, 47; Tennessee, 56; Va. Polytech. Inst. 56; Kansas, 57; Butler, 58; Arkansas, 59; Northwestern, 67. Consult., div. info. & prog. planning, U.S. Dept. Agr. 35; Nat. Bd. YMCA, 49; Am. Med. Assn. 58; Bd. Nat. Missions, United Presby. Church, 61. U.S.A., 18-19. Rural Sociol. Soc.; Assn. Adult Ed. Rural social organization, extension, teaching and research; audio-visual aids. Publ: Community development—the dynamics of planned change, Bedminster, 68; Rural community organizations handbook; How to conduct group discussion. Address: 4129 Iroquois Dr., Madison, Wis. 53711.
- WILENSKY, DR. HAROLD, b. New York, N.Y., Oct. 24, 22; m. 47; c. 3. CLINICAL PSYCHOLOGY. B.S., City Col. New York, 43; Ph.D.(clin. psychol.), N.Y. Univ. 51. Trainee, Vet. Admin., 47-51, staff psychologist, Vet. Admin. Hosp., Montrose, N.Y., 51-53, supvr. training psychol., 53-56, chief res. 56-60; sr. psychologist, Montefiore Hosp., 60-62; asst. res. prof. psychiat., N.Y. Med. Col. 62-63; ASSOC. PROF. PSYCHOL., CITY COL. NEW YORK, 63- Consult., inst. develop. studies, N.Y. Univ., 63-68; proj. early childhood ed., Univ. West Indies, 66-67. Dipl. clin. psychol., Am. Bd. Exam. Prfnl. Psychol. 57. U.S.A., 53-56. AAAS; Psychol. Assn.; Geront. Soc. Description and measurement of social structure of psychiatric hospitals; evaluation and observations of pre-kindergarten programs; interests and attitudes of students in psychology. Publ: Co-auth., Characteristics of unstable chronic schizophrenics, J. Abnorm. & Soc. Psychol. 61: 155-158, Problem areas in the development of a therapeutic community, Int. J. Soc. Psychiat. 12: 299-308 & Interests of doctoral students in clinical psychology in work with older adults, J. Geront. 21: 410-414. Address: Dept. of Psychology, City College of New York, New York, N.Y. 10031.
- WILENSKY, PROF. HAROLD L., b. New Rochelle, N.Y., Mar. 3, 23; m. 44; c. 3. SOCIOLOGY. A.B., Antioch Col. 47; M.A., Chicago, 49, Millis res. fel., 50-51, Ph.D.(sociol.), 55. Asst. prof. sociol., indust. rels. center, Chicago, 51-53, indust. rels. 53-54; SOCIOL., Michigan, 54-57, assoc. prof. 57-61, PROF. 61-63; CALIFORNIA, BERKELEY, 63- Fel. Center Adv. Study Behav. Sci. 56-57. U.S.A.A.F., 43-45. Sociol. Assn. Indust. Rel. Res. Assn. Industrial relations; political sociology; sociology of science. Publ: Intellectuals in labor unions, 56 & Industrial society and social welfare, 65. Macmillan; Organizational intelligence: knowledge and policy in government and industry, Basic Books, 67. Address: Dept. of Sociology, 410 Barrows Hall, University of California, Berkeley, Calif. 94720.
- WILES, DR. RICHARD C., b. Brighton, Mass., Aug. 26, 34; m. 56; c. 4. ECONOMICS. B.A., Boston Col. 57, M.A., 58; Ph.D.(econ.), Clark, 65. Lectr., ECON., Cameron Col. 58-60; instr., Conn. Col. 61-65, asst. prof. 65-67; ASSOC. PROF., BARD COL., 67- Salgo-Noren Teaching Award, Conn. Col. 64. U.S.A., 58-60, 1st Lt. History of economic thought, especially eighteenth century English economic doctrine; economic development. Publ: The new economics—a defense, Atlanta Econ. Rev. 5. 5/67; The theory of wages in later English mercantilism, Econ. Hist. Rev. 4/68; Professor Joseph Schumpeter and underdevelopment, Rev. Soc. Econ. 9/67. Address: Dept. of Economics, Bard College, Annandale-on-Hudson, N.Y. 12504.
- WILEY, PROF. ALLEN V(INCENT), b. Hollisterville, Pa., Dec. 9, 98; m. 22; c. 3. ECONOMICS. A.B., Lafayette Col. 22, A.M., 26; Pa. State Col. 40-43. Asst. prof. ECON., BOWLING GREEN STATE, 46-65, ASSOC. PROF. 65- AAAS; Econ. Assn.; Assn. Evolutionary Econ. Wage theory; labor economics. Address: Dept. of Economics, Bowling Green State University, Bowling Green, Ohio 43402.
- WILEY, PROF. DAVID EUGENE, b. Sept. 4, 38; U.S. citizen; m. c. 2. HUMAN DEVELOPMENT, EDUCATION. A.B., San Diego State Col. 60; M.S., Wisconsin, 63, Ph.D. 64. Statist. data analyst, human factors div., U.S. Naval Electronics Lab. 58-60; asst. math., San Diego State Col. 60-61; ed. psychol., Wisconsin, 61-64; ASST. PROF. ed., California, Los Angeles, 64-65; ED. & HUMAN DEVELOP., CHICAGO, 65- Summers, instr., California, Los Angeles, 63, instr., Stanford Conf. Learning & Ed. Process, 65 & vis. scholar. comput. appln., Ont. Inst. Studies Ed. 67. Statist. Assn.; Inst. Math. Statist.; Nat. Coun. Measurement in Ed.; Psychomet. Soc.; Ed. Res. Assn. Publ: Latent partition analysis, Psychometrika, 32: 183-193; co-auth., Quasi-experimentation in educational settings: comment, Sch. Rev. winter 67. The connotative meaning of the concept 'public school teachers': an image analysis of semantic differential data, Ed. & Psychol. Measurement, winter 68. Address: Judd Hall, Graduate School of Education, University of Chicago, Kimbark Ave., Chicago, Ill. 60637.
- WILEY, GORDON SCROGGIE, b. San Diego, Calif., Oct. 13, 20; m. 42; c. 4. OPERATIONS ANALYSIS, ELECTRICAL ENGINEERING. B.S.E.E., U.S. Naval Acad. 41. Res. engr., STANFORD RES. INST., 54-55, head, oper. anal. group, eng. div. 56-57, head, oper. anal. dept. 57-63, DIR., OPER. RES. DIV. 64- Consult., Inst. Defense Anal. 60-62. U.S.N., 38-54, Res. 55, Capt. Research Soc.; Oper. Res. Soc. Am. Operations research and analysis; systems analysis and evaluation; management systems; information systems analysis. Address: 18 Tagus Court, Portola Valley, Calif. 94026.
- WILEY, PROF. JAY W(ILSON), b. St. Paul, Minn., Aug. 24, 13; m. 41; c. 1. ECONOMICS. A.B., Lawrence Col. 35, A.M., 36; Ph.D., Illinois, 48. Instr., ECON., PURDUE, 38-47, asst. prof. 47-52, assoc. prof. 52-57, PROF. 57- DIR., GRAD. STUDIES & RES. ADMIN., KRANNERT GRAD. SCH. INDUST. ADMIN., 64- Asst. instr., Illinois, 46-47; vis. prof. sch. sociol. & polit., São Paulo, 56; summer vis. prof., Colorado, 67. Consult., U.S. Dept. State, 61-62. Asst. economist, Bur. Labor Statist., 42; dist. price exec., Off. Price Admin., 42-43. U.S.N.R., 43-46, Lt. Comdr. Econ. Assn. International economics; economic theory. Publ: Co-auth., Power, order and the economy; Economics, an analytical approach. Address: Dept. of Economics, Purdue University, Lafayette, Ind. 47907.
- WILEY, PROF. I(ESTER) E., b. LaCrosse, Wis., Feb. 16, 99; m. 28; c. 4. PSYCHOLOGY. A.B., Minnesota, 26; Ph.D.(psychol.), Chicago, 31. Asst., Chicago, 29-31, psychol. 31-32; asst. prof., Ohio Wesleyan, 32-45; asst. dir. Sch. Motor Re-ed. Cerebral Palsy, Fla. 45-47; prof. PSYCHOL., BELOIT COL., 47-64, EMER. PROF. 64- U.S.A.A.F., 42-45, Lt. Co. Brain function; learning. Publ: Function of the brain in audition; co-auth., Studies of cerebral function in learning, J. Comp. Neurol. & Learning function, Psychometrika. Address: P.O. Box 133, New Cuyama, Calif. 93254.
- WILEY, DR. LLEWELLYN N(OEL), b. Vienna, Va., July 30, 10; m. 42; c. 2. PSYCHOLOGY. B.S., Bradley, 31; M.S., Purdue, 34; Ph.D.(psychol.), Illinois, 40. Asst. psychol., Illinois, 35-40, 41; instr., De Pauw, 40-41; analyst, Soc. Tech. Adv. Serv., Soc. Sec. Bd. 42; from voc. counsl. to mgr., Vet. Admin. Guid. Center, exten., California, Los Angeles, 46-50, lectr., Univ., 50; res. psychologist, Ed. Res. Corp. 50-51; RES. PSYCHOLOGIST, prog. interpretation br, Air Force Personnel & Training Res. Center, LACKLAND

- AIR FORCE BASE, 51-58, OCCUP. RES. DIV, PERSONNEL RES. LAB, 58. U.S.A.A.F. 42-46, 2nd Lt. Fel. AAAS. Criterion and qualifications research; measurement of judgments. Publ: Relation of characteristics ratings, Indust. Psychol; Does industry need qualifications analysis? Personnel Admin; Determining job qualifications by rating Air Force task statements. Address: 243 Oak Knoll Dr, San Antonio, Tex. 78228.
- WILEY, DR. NORBERT FRANCIS, b. Chicago, Ill, Oct. 11, 31; m. 54; c. 6. SOCIOLOGY. B.A. Loyola (Ill), 55; M.A. Notre Dame, 56 & 57; Ph.D. (sociol), Mich. State, 62. Instr. SOCIOL, Bowling Green State, 60-61; ASST. PROF, Marquette, 62-65; Wayne State, 65-68; ILLINOIS, URBANA, 68- U.S.N., 51-53. Sociol. Asn; Polit. Sci. Asn. Political sociology; social stratification. Publ: America's unique class politics; Am. Sociol. Rev, 8/57; The ethnic mobility trap and stratification theory, Soc. Probs, fall 57; Political and religious liberalism among Catholics, Sociol. Anal, fall 57. Address: Dept. of Sociology, University of Illinois, Urbana, Ill. 61801.
- WILEY, DR. S(ELVA) C, b. Huntington, W.Va, June 16, 17; m. 47; c. 2. GEOGRAPHY. A.B. Marshall, 38, cert, 47; M.A. Nebraska, 48; Ph.D. (geog), Ohio State, 56. Geogr, Qm. Res. & Develop. Eng. Center, U.S. Dept. Army, D.C. & Mass, 50-55, mem. mil. intel. staff, Japan, 55-56, geogr, Corps of Eng, W.Va, 56-57; cartographer, Aeronaut. Chart & Info. Center, U.S. Air Force, Mo, 57; chief for geog, Dept. Mines & Tech. Survs, Govt. Can, 57-60; consult. geog, Army Map Serv, 60-61; intel. res. specialist, Qm. Intel. Agency, 61-62; RESERVATION PROGS. OFFICER, SEMINOLE INDIAN AGENCY, BUR. INDIAN AFFAIRS, DEPT. INTERIOR, 63- Mem. staff, Carleton (Can), 57-58. U.S.N.R., 43-46, Ens. Asn. Am. Geog. Latin America; Soviet Union; Far East; overall economic development plan-includes planning and programming on 200,000 acres of Florida's Indian reservations. Publ: Colonization and settlement in the Americas; Kashmir & Canada's Latin American Neighbours, Can. Geog. J. Address: Seminole Agency, 6075 Stirling Rd, Hollywood, Fla. 33024.
- WILFONG, PROF. ROBERT GREGG, b. Winnsboro, Tex, Sept. 19, 18; m. 40; c. 4. POLITICAL SCIENCE. B.A. Texas, 39, M.A. 41; M.A. Harvard, 49. Ph.D. (UNRRA & displaced persons), 66. Instr. POLIT. SCI, NORTHEASTERN, 47-51, asst. prof, 51-57, assoc. prof, 57-62, PROF, 62-, CHMN. DEPT, 57- U.S.N., 42-45, Res, Capt. Polit. Sci. Asn; Int. Studies Asn; Soc. Int. Law. International protection of displaced persons and refugees. Address: Dept. of Political Science, Northeastern University, Boston, Mass. 02115.
- WILFORD, PROF. LLOYD A(LDEN), Anthrop, Archaeol, see 10th ed, Soc. & Behav. Vols.
- WILFORD, DR. WALTON TERRY, b. Murray, Ky, Sept. 27, 37; U.S. citizen. ECONOMICS. B.B.A. Southern Methodist, 58, Ph.D. (econ), 64. Asst. prof. econ, Georgia, 62-63; pub. finance & econ, Idaho, 63-65; ECON. ADV, U.S. AGENCY INT. DEVELOP, U.S. DEPT. STATE, 65- Summers, Fed. Reserve Bank San Francisco fel, 63, Ford Found. fel. regional econ. study, 64, consult, Latin Am. areas studies seminar, U.S. Dept. State, 65 & exec. mgmt. develop. seminar, 66. Econ. Asn. Monetary and fiscal policy; economic development; public finance. Publ: State tax stability and the revenue-income elasticity coefficient reconsidered, Nat. Tax J, 9/65; co-auth, Federal reserve management of the discount rate, 60 & auth, The Texas revenue structure: outlook for the next decade, 66, Southwest. Soc. Sci. Quart. Address: U.S. Agency for International Development, U.S. Dept. State, Washington, D.C. 20523.
- WILHELM, PROF. DONALD, JR, b. Newark, N.J, June 18, 15; m. 38, 65; c. 4. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B. Yale, 38; Ph.D. (polit. econ. & govt), Harvard, 55. Asst. prof. polit. sci, Grinnell Col, 47-51; mem. staff, Fed. Civil Defense Admin, 51-52; adv. to govt, Union of Burma, 52-53; researcher, 54; res. assoc, Human Rels. Area Files, D.C. & New York, 55-56; vis. assoc. prof. pub. admin, TEHERAN, 56-58, PROF. POLIT. SCI, 58-; PROF. & SR. CONSULT, INST. ADMIN, IFE, NIGERIA, 67- Lectr, Nat. Security Agency & Univ. Virginia, 55-56; asst. to Shah of Iran, 58-61; vis. prof, Tufts, 67. Consult, Adv. Studies Group, Westinghouse Elec. Corp, 67- AAAS; Polit. Sci. Asn; Mid. East Inst; Brit. Asn. Adv. Sci. Comparative government and administration; political theory; political and social relations of the natural sciences; science technology and developmental administration. Publ: Place of public administration in overseas technical assistance programs; Priorities for development. Address: 78 Windsor Rd, Cambridge, Eng.
- WILHELM, DR. ROSS J(OHNSTON), b. Arlington, N.J, Jan. 24, 20; m. 44; c. 1. BUSINESS ECONOMICS. B.B.A. Western Reserve, 47, M.B.A. 48; fel, Michigan, 50-51, Ph.D. (econ, mkt. finance), 63. Asst. personnel officer, Fed. Pub. Housing Authority, 46-47; instr. mkt, Western Reserve, 47-49; buyer, Maas Bros, Fla, 51-52; res. dir. & acct. exec. advert, Burke Dowling Adams Advert. Agency, N.Y. & Ga, 52-54; from teaching fel. to ASSOC. PROF. BUS. ECON, GRAD. SCH. BUS. ADMIN, MICHIGAN 50-, distinguished serv. award, 64. U.S.A., 42-46, 1st Lt. Econ. Asn; Statist. Asn; Mkt. Asn. Public economic policy; antitrust laws; effects of advertising; radio and television commentaries on current business and economic topics. Publ: Readings in the economics of enterprise, Ulrich's, 63; co-auth, The economic effects of the wage-price guideposts, Bur. Bus. Res, Grad. Sch. Bus. Admin, Univ. Michigan, 67. Address: Dept. of Business Economics, Graduate School of Business Administration, University of Michigan, Ann Arbor, Mich. 48104.
- WILHELM, WARREN, Econ, see 10th ed, Soc. & Behav. Vols.
- WILHELMY, DR. ODIN, JR, b. New Kensington, Pa, Oct. 9, 20; m. 45; c. 3. AGRICULTURAL ECONOMICS. B.A. Cincinnati, 41; Ph.D. (agr. econ), Cornell, 50. Asst. biochem, Cornell, 41-42, 46-47, agr. econ, 47-49, asst. prof. nutrit, 49-52; prin. agr. economist, BATTELLE MEM. INST, 52-59, head agr. econ. sect, 59-65, chief agr. & food econ. div, 65-68, ADV. DEPT. ECON. & INFO. RES, 68- Mem. bd. dir, Chemurgic Coun, 65- Sig.C, 42-46, Sgt. Agr. Econ. Asn; Mkt. Asn. Food economics; nutrition; chemistry. Publ: Availability and price of frozen, canned, and fresh fruits and vegetables in the retail market, Cornell Univ. Agr. Exp. Sta. Bull; Nutritional status survey, Groton Township, New York, J. Am. Dietetic Asn; Market potential for fats and oils in drying-oil uses, U.S. Dept. Agr. Report. Address: Battelle Memorial Institute, 505 King Ave, Columbus, Ohio 43201.
- WILHITE, ORVIN L(OUIS), b. Yates Center, Kans, Apr. 9, 17; m. 40; c. 3. STATISTICS. A.B. Kans. State Teachers Col, Emporia, 39. Clerk, U.S. BUR. CENSUS, 39-46, statistician, 46-48, agr. statistician, 48-50, chief ops, agr. div, 50-52, suprvy. statistician, 52, suprvy. surv. statistician, econ, 52-53, chief census ops. off, Detroit, Mich, 54-55, chief prices & values sect, D.C., 55-58, ASST. CHIEF AGR. DIV, 58- U.S.A., 44-46. Demography. Address: 7600 Foster St. S.E., Washington, D.C. 20028.
- WILHOIT, DR. GROVER CLEVELAND, JR, b. Albemarle, N.C, Aug. 4, 39; m. 63. MASS COMMUNICATION, POLITICAL SCIENCE. A.B. North Carolina, Chapel Hill, 61, M.A. 63 & Ph.D. (mass commun), 67. ASST. PROF. JOURNALISM & DIR. RES, INDIANA, 67- Air Nat. Guard, 62- Asn. Ed. Journalism. Content analysis, information retrieval and uses of the computer in mass communication research; public opinion research. Publ: Co-auth, A computerized bibliography of mass communication research, 1944-1964, Mag. Pub. Asn, 67; auth, Computerized indexing for Broadcast Music Libraries, J. Broadcasting, fall 67; co-auth, Wire service visibility of U.S. senators, Journalism Quart, spring 68. Address: Dept. of Journalism, Indiana University, Bloomington, Ind. 47401.
- WILK, DR. KURT, Polit. Sci, Pub. Law, see 10th ed, Soc. & Behav. Vols.
- WILK, DR. MARTIN B(RADBURY), b. Montreal, Can, Dec. 18, 22; wid; c. 5. STATISTICS. B.Eng, McGill, 45; M.S. Iowa State, 53, Ph.D. (statist), 55. Res. chem. engr, Nat. Res. Coun. Can, 45-50; res. assoc. STATIST, Iowa State, 51-55, asst. prof, 55; res. assoc, Princeton, 55-56, asst. dir, tech. group, 56-57; mem. tech. staff, BELL TEL. LABS, 56-63, HEAD. STATIST. & DATA ANAL. RES. DEPT, 63- Prof. statist. & dir. res. statist, Rutgers, 59-63. Fel. Am. Statist. Asn; fel. Inst. Math. Statist; Biomet. Soc; fel. Royal Statist. Soc. Statistical modeling and data analysis; experimental design; theory of statistical and scientific inference; econometrics and management systems analysis. Publ: Some aspects of the analysis of factorial experiments in a completely randomized design, 27:950-985 & Graphical methods for internal comparisons in multiresponse experiments, 35:613-631, Ann. Math. Statist; Statistical analysis and modeling of the high-energy proton data from the Telstar I satellite, Bell Syst. Tech. J, 48:1301-1450. Address: Statistics & Data Analysis Research Dept, Bell Telephone Labs, Murray Hill, N.J. 07971.
- WILK, DR. ROGER EDWARD, b. Clearwater, Kans, Sept. 29, 26; m. 52; c. 3. EDUCATIONAL PSYCHOLOGY. B.S. Kansas State, 50; M.A. Minnesota, 52, Ph.D. (ed. psychol), 57. Teacher, pub. schs, Kans, 50-51; counsr, high sch, Kans, 51-53; asst. prof. ED. PSYCHOL, COL. ED, MINNESOTA, 57-60, assoc. prof, 60-65, PROF, 65-, CHMN. DEPT, 64-, asst. dir. res, student personnel off, 58-64. U.S. Off. Ed. fel, 67-68. Kansas State Univ, distinguished serv. award, 66. Psychol. Asn; Personnel & Guid. Asn; Ed. Res. Asn. Graduate education in educational psychology and the undergraduate education of teachers. Publ: The use of the cross-over design in a study of student teacher's classroom behaviors, J. Exp. Ed, 63; Predictions and performance: an experimental study of student teachers, J. Teacher Ed, 63; An experimental study of the effects of classroom variables on student teacher performance, J. Ed. Psychol, 64. Address: 3513 Skycroft Dr. N.E., Minneapolis, Minn. 55418.
- WILKE, DR. MARGUERITE M, b. Lawrence, N.Y, July 8, 24; m. 52. PSYCHOLOGY. B.A. N.Y. Univ, 46, M.A. 48, Ph.D. (clin. psychol), 58. From asst. to psychologist, testing & adv. center, N.Y. Univ, 46-50; sch. psychologist, Greenwich Pub. Schs, Conn, 50-61; sr. res. assoc. inst. develop. studies & assoc. psychiat, N.Y. Med. Col, 61-62, asst. prof. psychiat, 62-63; adj. asst. prof. psychol, N.Y. Univ, 63-64, ASST. PROF. ED, HUNTER COL, 64- Instr, Washington Square Col. Arts & Sci, N.Y. Univ, 49-50. AAAS; Psychol. Asn; N.Y. Acad. Sci. Child and developmental psychology, especially development of cognition and language, particularly relationships between maturational factors and learning; psychodiagnostic procedures in developmental context. Address: 3 Washington Square Village, New York, N.Y. 10012.
- WILKEN, PROF. DELMAR FRANCIS, b. Danforth, Ill, Dec. 24, 21; m. 47; c. 3. AGRICULTURAL ECONOMICS. B.S. Illinois, 46, M.S. 52. Farm mgt. fieldman, Pioneer Farm Mgt. Asn, 48-54; ASSOC. PROF. FARM MGT. & EXTEN. ECONOMIST, ILLINOIS, URBANA, 54- U.S.A., 43-46, 50-52, Res, 46-50, 1st Lt. Agr. Econ. Asn. Adaptations and use of farm records in farm business analysis. Publ: Co-auth, Annual summaries of Illinois farm business records, Univ. Illinois, 49-66. Address: 450 Mumford Hall, University of Illinois, Urbana, Ill. 61801.
- WILKENING, PROF. EUGENE A(RTHUR), b. Oak Ridge, Mo, July 7, 16; m. 47; c. 3. RURAL SOCIOLOGY. B.S. Missouri, 37, M.A. 39; Soc. Sci. Res. Coun. fel, Chicago, 48-49, Ph.D. (sociol), 49. Rural rehab. suprv, farm security admin, U.S. Dept. Agr, 38-40; asst. prof. RURAL SOCIOLOGY, N.C. State Col, 46-51; from assoc. prof. to PROF, WISCONSIN, 51-, chmn. dept, 55-59. Fulbright res. grant, Univ. Melbourne, 59-60. U.S.A., 42-46. Rural Sociol. Soc. (pres, 62-63); Sociol. Res. Asn; Soc. Appl. Anthropol. Technological and social change in rural society; family structure as related to farm technology; migration and settlement studies in central Brazil. Publ: Adoption of improved farm practices as related to family factors, Wis. Agr. Exp. Sta. Res. Bull; Some perspectives in change in rural society, Rural Sociol, 3/64; co-auth, Dimensions of aspirations, work roles and decision-making of farm husbands and wives, J. Marriage & Family, 11/67. Address: Dept. of Rural Sociology, University of Wisconsin, Madison, Wis. 53706.
- WILKENING, PROF. HOWARD E(VERETT), b. New York, N.Y, Dec. 10, 09; m. 38; c. 4. INDUSTRIAL PSYCHOLOGY. B.S. N.Y. Univ, 33, Ph.D. (psychol), 41; Asst. dean men, dir. & asst. prof. marriage courses, Purdue, 38-43; area dir, Vallejo Housing Authority, Calif, 43-44; oper. analyst, Air

- Force, U.S. War Dept, 44-45; assoc. prof. & voc. counsr, Southern California & California, Los Angeles, 45-48; PROF. PSYCHOL, CALIF. STATE COL. LOS ANGELES, 48-, head dept, 48-61. Chief clin. psychologist, Orthop. Hosp, 48- Fel. Psychol. Asn. The extension and change of meaning of scientific terms through etymology. Publ: Psychological dictionary. Address: Dept. of Psychology, California State College at Los Angeles, Los Angeles, Calif. 90032.
- WILKES, PROF. SHERRELL RUDDICK, b. Eddyville, Ky, June 5, 06. PSYCHOLOGY, EDUCATION. B.S. Hopkins, 37; B.S. Ohio State, 40, M.A. 41. Asst. prof. English, col. engineering, Cincinnati, 53-61; asst. prof. Morehead State, 61-67; PROF. PSYCHOL. & ED. HIGH POINT COL, 67- AAAS: Psychol. Asn; Soc. Engineering Ed; Nat. Coun. Teachers English. Industrial communications; experimental psychology. Address: Dept. of Psychology, High Point College, High Point, N.C. 27262.
- WILKEY, PROF. HARRY L(AWLESS), b. Peoria, Ill, Aug. 10, 07; m. 35; c. 2. ECONOMICS. B.S.C. Iowa, 30; A.M. Illinois, 38. Instr. high sch, Ill, 31-42; prof. econ, Wentworth Mil. Acad, 42-45; assoc. prof, Iowa Wesleyan Col, 45-55, head dept. econ. & bus. admin, 52-55; ASST. PROF. SOC. STUDIES, CENT. MO. STATE COL, 55- Econ. Asn. Industrial development of Adams County, Illinois, 1836-1856; infant industries in Illinois. Publ: The national debt-asset or liability? Stanford Univ, winter 67; A primer on the public debt: governments-municipals, (to be published); Congress, Keynes, and Poor Richards Almanac, Per/Se, Stanford, winter 67. Address: Dept. of Economics, Central Missouri State College, Warrensburg, Mo. 64093.
- WILKIE, PROF. JAMES WALLACE, Latin Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WILKIE, DR. JOHN A(LWYN), Econ, Law, see 10th ed, Soc. & Behav. Vols.
- WILKIE, DR. RAYMOND A(BELL), JR, Anthropol, Psychol, see 10th ed, Soc. & Behav. Vols.
- WILKIN, COL. WENDELL R, U.S.A.(RET), b. Pleasant Grove, Utah, June 13, 12; m. 44; c. 2. PSYCHOLOGY. B.S. Utah State Agr. Col, 38; Ph.M. Wisconsin, 41; Ph.D.(psychol), Pittsburgh, 51. Psychol. consult. Off. Surgeon Gen, U.S. Army, 57-67; CONSULT. PSYCHOLOGIST, 67- Lectr, California, Berkeley, 67-; San Francisco State Col, 67- U.S.Army, 42-67. Fel. Psychol. Asn. Address: 73 Sonora Way, Corte Madera, Calif. 94925.
- WILKING, S(TEPHEN) VINCENT, b. Trenton, N.J, Oct. 18, 15; m. 51; c. 1. PSYCHOLOGY. B.S. & Ed.M. Boston, 40; fel. Harvard, 40-42. Personnel dir. Am. Thread Co; 42-44; dir. indust. rels, Hathaway Mfg. Co, 44-45; Campbell Soup Co, 45-51; Sheerr Bros, 51-52; sr. consult, Barrington & Co, 52-54, exec. consult, 54-59, v.p.res, 59, v.p.res, mgr. & dir, 59-63; SR. V.PRES, ANDERSON-NICHOLS & CO, 63- AAAS: Psychol. Asn. Appraisal of professional and executive performance; improvement of the art of managing. Publ: College developmental reading manual; Merit pay and better teaching, Teachers Col. Record; What's wrong with personnel administration, Mgt. Rev. Address: Apt. 14C, 8 Whittier Place, Boston, Mass. 02114.
- WILKINS, DR. B(ILLY) HUGHEL, b. Paducah, Tex, July 17, 31; m. 57. ECONOMICS. B.B.A. Tex. Col. Arts & Indust, 56, M.S. 57; fels, Texas, 59-61, Ph.D.(econ, geog), 62. Instr. econ, Tex. Tech. Col, 57-58; asst. prof. int. econ, Oregon State, 61-63; assoc. prof. ECON. Univ. of the Americas, 63-64; OREGON STATE, 64-68, PROF, 68- U.S.A.F. 51-55, Res, 55-, Maj. Econ. Asn; Asn. Evolutionary Econ. International and United States economic development; international industry and business. Publ: Co-auth, The economists of the new frontier, Random, 63; auth, Effects on the economy of Venezuela of actions by the international petroleum industry and United States regulating agencies. Address: Dept. of Economics, Oregon State University, Corvallis, Ore. 97331.
- WILKINS, PROF. LESLIE T, b. Eng. Mar. 8, 15; m. 45; c. 4. CRIMINOLOGY. Sr. res. officer, Brit. Civil Serv, 46-56, statistician, 56-64; sr. adv. UN Asia & Far East Inst, Japan, 64-66; PROF. CRIMINOL, CALIFORNIA, BERKELEY, 66- ACTING DEAN, SCH. CRIMINOL, 68- Consult, President's Cmt. Juvenile Delinquency & Youth, 62; nat. cmt. Nat. Coun. Crime & Delinquency, 67-; Fed. Bur. Census; President's Cmn. Crime; Fed. Bur. Prisons. R.A.F, 40-45, Squadron Leader. Royal Statist. Soc; Brit. Criminol. Soc. Statistical analysis of decisions of courts, parole boards and parole agents; information in relation to control processes. Publ: Co-auth, Prediction methods in relation to Borstal training, H.M. Stationery Off, London, 55; auth, Social deviance, Tavistock & Prentice-Hall, 64; Evaluation of penal measures, Random, 68. Address: School of Criminology, University of California, Berkeley, Calif. 94720.
- WILKINS, PAUL C(OFFMAN), b. Strasburg, Va, Aug. 20, 18; m. 42; c. 2. ECONOMICS, PHILOSOPHY. B.S. Roanoke Col, 42; American Univ, 54-57. Agr. economist, U.S. DEPT. AGR, 42-62, br. chief econ, 62-66, asst. to div. dir, 66-67, DIV. DIR, 67- Economic research on organizational, financial and member relations problems of farmer cooperatives. Address: Farmer Cooperative Service, U.S. Dept. of Agriculture, Washington, D.C. 20250.
- WILKINS, DR. PHOEBE E, b. Alto Pass, Ill, Apr. 24, 21. PSYCHOLOGY, EDUCATION. A.B. MacMurray Col, 43; M.S. Southern Illinois, 50; Ph.D.(ed), Iowa, 66. Teacher, high sch, Ill, 43-48; COUNSR, MacMURRAY COL, 50- Psychol. Asn; Personnel & Guid. Asn. Vocational Counseling. Address: MacMurray College, Jacksonville, Ill. 62650.
- WILKINS, PROF. ROBERT P(OOLE), Mod. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WILKINS, DR. WALTER L(AROY), b. Chicago, Ill, July 11, 07; m. 38; c. 6. PSYCHOLOGY. Ph.B. Loyola (Ill), 28; M.A. Northwestern, 31, Ph.D. 33. Prof. psychol, Notre Dame, 46-49; prof. & head dept, St. Louis, 49-59; SCI. DIR, MED. NEUROPSYCHIAT. RES. UNIT, U.S. NAVY, 59- Consult, Surg. Gen, U.S. Navy. U.S.N, 41-46, Capt. Fel. Psychol. Asn. Military life adjustment; emotional stability. Address: Dept. of the Navy, Navy Medical Neuropsychiatric Research Unit, San Diego, Calif. 92152.
- WILKINSON, BRYAN (LEE), b. Grand Island, Nebr, Dec. 26, 19; m. 45; c. 2. INDUSTRIAL PSYCHOLOGY, MATHEMATICAL STATISTICS. A.B. Baker, 42; M.A. Nebraska, 43; Stanford, 47-48. Res. psychologist, Prudential Ins. Co. Am, 49-54, mkt. analyst, 53-56, sr. sales analyst, 56-57, sr. admin. asst, 57; tech. asst. to mgt, Syst. Develop. Corp, 57-59, opers. res. scientist, 59-60; mem. tech. staff, Hughes Aircraft Co, 60-62; mgr. mgt. info. systs, ITT Gilfillan, Inc, 62-65; SR. STAFF MEM, SECURITY FIRST NAT. BANK, LOS ANGELES, 65- Lectr, Southern California & Pepperdine Col, 52-53; exten, California, Los Angeles, 65- U.S.A.A.F. 43-46, Sgt. Psychol. Asn; Statist. Asn; Inst. Mgt. Sci; Data Processing Mgt. Asn. Application of computer technology to business and defense systems; operations, marketing and personnel research; management selection. Publ: Statistical consideration in psychological research; Validity of short employment tests; What good are role-playing techniques? Address: 730 Hampton Rd, Burbank, Calif. 91504.
- WILKINSON, DR. CHARLES BROCK, Med, see 11th ed, Phys. & Biol. Vols.
- WILKINSON, DR. DAVID ORMOND, b. New York, N.Y, Sept. 5, 39. POLITICAL SCIENCE. A.B. Harvard, 60; int. fel. Columbia, 60-62, M.A. 62, Ph.D. (int. rels, law), 65. Acting asst. prof. polit. sci, California, Los Angeles, 64-65, asst. prof, 65-66; res. assoc. center int. affairs, Harvard, 66-67; ASST. PROF. POLIT. SCI, CALIFORNIA, LOS ANGELES, 67- Polit. Sci. Asn; Int. Studies Asn. General theory of world politics; contemporary political theory; American foreign policy; war and peace theory. Publ: Malraux: an essay in political criticism, Harvard, 67; co-auth, International law and political crisis, Little, 68. Address: Dept. of Political Science, University of California, Los Angeles, Calif. 90024.
- WILKINSON, DR. FRANK RAY, b. Ogden, Utah, Mar. 4, 25; m. 49; c. 4. PSYCHOLOGY. B.A. Utah, 48; M.A. Hawaii, 50; Ph.D.(psychol), Mich. State, 55. Instr. psychol, Missouri, 54-55; asst. prof, Brigham Young, 55-59; res. scientist, Am. Inst. Res, 59-63; ASSOC. PROF. PSYCHOL, WESTERN ONTARIO, 63- Int. Neuropsychol. Soc. Physiological and experimental psychology of vision and perception; human factors in systems operations. Publ: Some neural correlates of visual experience, Am. J. Optom; co-auth, Certain factors in producing complexity of response to a single pulse of light, J. Psychol. Address: Dept. of Psychology, University of Western Ontario, London, Ont, Can.
- WILKINSON, DR. RICHARD, b. Youngstown, Ohio, June 30, 10; m. 41; c. 1. EDUCATIONAL PSYCHOLOGY. A.B. Rollins Col, 32; M.A. Ohio State, 34, Ph.D.(psychol), 39. Asst. prof. PSYCHOL, SOUTHWEST MO. STATE COL, 39-42, PROF, 45-46, 48-, dir. guid. & testing, 46-47. Consult, Headstart Prog, Southwest Mo. State Col, 65-66; Regional Diag. Clin, 67- U.S.N.R, 42-45. Psychol. Asn. Personnel classification and selection; interaction analysis; group behavior. Address: Dept. of Education & Psychology, Southwest Missouri State College, Springfield, Mo. 65802.
- WILKINSON, ROGER I(VAN), b. Mason City, Iowa, Mar. 18, 03; m. 51; c. 1. STATISTICS. B.S. Iowa State, 24, E.E. 50. MEM. TECH. STAFF, Am. Tel. & Tel. Co, 24-34; BELL TEL. LABS, 34-43, 46- U.S. rep, Int. Canoe Fedn, 66-; hon. mem. inst. adv. cmt, Int. Teletraffic Cong, 67- Opers analyst, Air Force, U.S. War Dept, Wash, D.C. 43-45; Medal for Merit, 46. Statist. Asn; Inst. Math. Statist; Soc. Qual. Control; Soc. Eng. Ed; fel. Inst. Elec. & Electronics Eng; Opers. Res. Soc. Applying theory of probability and statistics to engineering problems; collection of data on subscribers' telephone habits and the ability of telephone dial exchanges to carry traffic overloads. Publ: An experiment in the recognition of engineers (Elec. Eng); Combination of probability curves in engineering (Am. Inst. Elec. Eng. Trans); Theories for toll traffic engineering in the USA (Bell Syst. Tech. J). Address: Oak Tree Lane, Rumson, N.J. 07760.
- WILKINSON, PROF. THOMAS O(BERSON), b. Macon, Ga, Feb. 19, 23; m. 49; c. 3. SOCIOLOGY, DEMOGRAPHY. A.B. North Carolina, 45; M.A. Duke, 50; Ph.D. Columbia, 57. Instr. sociol, Massachusetts, 53-57; res. assoc. demog, California, 57-58; asst. prof. SOCIOL, MASSACHUSETTS, 58-59, assoc. prof, 59-64, PROF, 64- Fulbright-Hays res. prof, Tokyo Metropol. Univ, 64-65. U.S.N, 43-46, Lt.(jg). Sociol. Asn; Pop. Asn. Urbanization as a socio-economic process; Far Eastern urban growth and industrialization; comparative metropolitanization within the process of urban growth. Publ: Korean urbanization; The urbanization of Japanese labor, Univ. Massachusetts, 65; co-auth, The population problems of Asia, G. Unwin & Allen, London, 67. Address: Dept. of Sociology, University of Massachusetts, Amherst, Mass. 01003.
- WILKINSON, DR. WILLIAM W(ELSBY), b. Montreal, Que, Jan. 6, 20; nat; m. 53. PSYCHOLOGY. B.A. McGill, 41; A.M. Pennsylvania, 46, Ph.D. 51. Asst. psychol, Pennsylvania, 46, asst. instr, 46-47, instr, 47-52, asst. prof, 52-54; staff psychologist indust. psychol, Psychol. Corp, 54-57, asst. dir. indust. div, 57-60, assoc. dir, 60-63; mgr, Spindletop Res, Inc, 63-66; MGT. CONSULT, 66- Personnel res. asst, Phila. Elec. Co, 46-51; ed. analyst, cmt. aviation psychol, Nat. Res. Coun. Can. Army, 41-45, Capt. Psychol. Asn. Management development. Address: 752 Old Dobbin Rd, Lexington, Ky. 40502.
- WILL, DR. ROBERT E(RWIN), b. Dousman, Wis, Mar. 8, 28; m. 56; c. 1. ECONOMICS. B.A. Carleton Col, 50; fel. & M.A. Yale, 51, Ph.D.(econ), 65. Instr. ECON, Yale, 51-54; Massachusetts, 54-57; asst. prof, CARLETON COL, 57-65, ASSOC. PROF, 65-, ASST. DEAN COL, 67- Lectr, Am. Inst. Banking & Holyoke Jr. Col, 56-57; fel. Volker Found. Conf. Freedom & Econ, 59; Lilly grant, 59-60; fel. & speaker, Conf. on Univ. & World Affairs, Hawaii, 60; Ford Found. fel, 62-63; vis. assoc. prof, Univ. Minnesota, 65; Hill Found. lectr, St. Paul Acad, 65- Res. analyst, Air Force Mobility Study, 51-52; statist. analyst, Bur. Hwy. Traffic, 53-54. Session chmn, North. Minn. Conf. Indust. Rels, 60; mem. planning cmt, Ford Motor Co. Col. Seminar Prog, 61; Nat. Coun. Am. Univ. Field Staff, 60-61; nat. adv. policy cmt, United Shareowners of Am, 63-; Governors's Adv. Coun. Employment & Manpower, State of Minn, 65-; dir, First Bank Stock Exec. Seminar,

66- U.S.N.R. 45-, Lt. Econ. Asn; Econ. Hist. Asn; Indust. Rels. Res. Asn; Soc. Int. Develop; Asn. Asian Studies; Asn. Evolutionary Econ; World Future Soc. Economics of development; manpower and human resources; Asian studies. Publ: Co-auth, Poverty in affluence: the economic, social and political dimensions of poverty in the U.S., Harcourt, 65; auth, Scalar economics and urban service requirements, Yale Econ. Essays, 65; co-auth, Technology and the new philosophy of poverty, South. Econ. J. 67. Address: 417 Union St, Northfield, Minn. 55057.

WILLARD, PROF. JOSEPH, b. Upper Montclair, N.J., Jan. 19, 26. POLITICAL SCIENCE. B.B.A. Western Reserve, 53, M.A. 55; Ph.D. Indiana, 59. Asst. bur. govt. res. Indiana, 54-56, teaching assoc. polit. sci., 56-57, 58-59; asst. prof. Evansville Col., 57-58; Northern Michigan, 59-63; prof. lectr. American Univ., 63-64; assoc. prof. Toledo, 64-66; vis. assoc. dir. exec. seminar center, U.S. Civil Serv. Cmn. N.Y. 66-67; ASSOC. PROF. POLIT. SCI. MOORHEAD STATE COL., 67- Consult, Upper Peninsula Cmt. Area Probs., 60-62. U.S.A., 44-46. Res. 46-60. Polit. Sci. Asn; Sociol. Asn; Soc. Pub. Admin. Legislative-executive relations; government public relations; ideology and social reform; organizational theory; methodology of social sciences; legislative oversight and control of bureaucracy; political elites. Address: Dept. of Political Science, Moorhead State College, Moorhead, Minn. 56560.

WILLARD, DR. JOSEPH W(ILLIAM), b. Hamilton, Ont, Sept. 24, 17; m. 42; c. 2. ECONOMICS. B.A., Toronto, 40, M.A. 44; Littauer fcls, Harvard, 45-47, M.P.A. 46, A.M. 47, Ph.D.(econ), 54. Dir. res. & statist. div. DEPT. NAT. HEALTH & WELFARE, 47-60, DEP. MINISTER WELFARE, 60- Med. C, Can. Army, 43-45. Econ. Asn; Can. Polit. Sci. Asn. Social security and welfare; socio-economic aspects in the health field. Publ: Some aspects of family allowances and income redistribution in Canada, Pub. Policy; International standards for social security, Can. Welfare; Housing and living arrangements for the aged, Am. J. Pub. Health. Address: Dept. of National Health & Welfare, Brooke Claxton Bldg, Tunney's Pasture, Ottawa, Ont, Can.

WILLARD, DR. NORMAN, JR., b. Chehalis, Wash, June 3, 24; m. 48; c. 3. PSYCHOLOGY. B.A., Col. Puget Sound, 48; M.A. Columbia, 49; Ph.D.(psychol), Minnesota, 54. Asst. HUMORRO, GEORGE WASHINGTON, 52, res. assoc. 52-54, res. scientist, 54-56, sr. res. scientist, 56-58, DIR. RES. DIV. 2, FT. KNOX, KY, 58- Assoc. faculty, southeastern campus, Indiana Univ., Jeffersonville. Chmn. Ky. Bd. Psychologist Exam. AAAS; Psychol. Asn. U.S.N.R., 44-46. Learning theory; industrial psychology; military training. Publ: Co-auth, Relationship between lateral phoria and some tests of real and apparent depth perception & An attempt to produce abnormal fixations in the rat, Am. Psychol. Address: 4022 Norbourne Blvd, Louisville, Ky. 40207.

WILLBERN, PROF. YORK, b. Runge, Tex, Dec. 29, 15; m. 37; c. 2. GOVERNMENT. A.B. Southwest Tex. State Col., 34; A.M. Texas, 38, Ph.D., 43. Asst. prof. govt. N.Tex. State Col., 42-43; Alabama, 46-47, asst. prof. pub. admin. & asst. dir. Bur. Pub. Admin., 46-47, dir. 49-56, assoc. prof., 47-49, prof. polit. sci., 49-57, head dept., 50-57; prof. GOVT. & dir. bur. govt. res. INDIANA, 57-63, UNIV. PROF., 64-, dir. inst. pub. admin., 63-66. Vis. prof. Victoria, N.Z., 54; Duke, 56; Columbia, 57; American Univ. Beirut, 67. Chmn. admin. cmt. S.Regional Training Prog. Pub. Admin., 49-57. Sr. res. award, Soc. Sci. Res. Coun., 61-62. Polit. Sci. Asn; Soc. Pub. Admin.(ed-in-chief, Pub. Admin. Rev., 57-59, v.pres., 59-60, pres., 63-64); Soc. Planning Off. State and local government; public administration. Publ: Withering away of the city, Univ. Alabama, 64, Leonard Hill, Eng., 65 & Indiana Univ., 66; co-auth, The 50 states and their local governments, Knopf, 67. Address: Dept. of Government, Indiana University, Bloomington, Ind. 47401.

WILLEMS, PROF. EMILIO, b. Cologne, Germany, Aug. 18, 05; nat. m. 32; c. 3. ANTHROPOLOGY. M.A. Berlin, 28, Ph.D., 30. Asst. prof. social, São Paulo, 37-41, PROF. ANTHROP. Univ. & Sch. Sociol., 41-49; VANDERBILT, 49- Guggenheim fel., 51; vis. prof. Mich. State, 52; Michigan, 52-53; Soc. Sci. Res. Coun. grant, 54; vis. prof. Nat. Univ. Colombia, 62-63. Consult, UNESCO, 51-53. Ed. Sociologia, 39-49. Anthropol. Asn; Am. Studies Asn. Culture change in Latin America; physical anthropology of Brazilian Indians. Publ: Buzios Island, a Caicara community in Southern Brazil, Augustine, 52; Uma vila Brasileira, Difusão Européia do Livro, 62; Followers of the New Faith: culture change and the rise of Protestantism in Brazil and Chile, Vanderbilt Univ., 67. Address: 3825 Cross Creek Rd, Nashville, Tenn. 37215.

WILLEMSSEN, DR. ELEANOR W(ALKER), b. San Francisco, Calif., Oct. 26, 38; m. 59; c. 1. PSYCHOLOGY. B.A., Stanford, 60, Nat. Sci. Found. fel., 60-63, M.A., 62, Ph.D.(psychol), 64. Asst. prof. PSYCHOL., Fresno State Col., 64-68, LECTR., WASHINGTON, SEATTLE, 68- Psychol. Asn; Soc. Res. Child Develop. Child development; personality measurement; research methodology. Address: Developmental Psychology Lab, University of Washington, Seattle, Wash. 98105.

WILLER, DR. DAVID EDWARD, b. Ft. Wayne, Ind, June 26, 37; m. 57; c. 3. SOCIOLOGY. B.S., Purdue, 59, M.S., 62, XR fel. & Ph.D.(sociol), 64. Teaching asst. SOCIOL., Purdue, 58-59, 61-62, res., 62-64; instr., Stephens Col., 60-61; asst. prof., Kent State, 64-65; Nebraska, 65-67; ASSOC. PROF., KANSAS, 67- Univ. res. coun. faculty res. fel., Nebraska, summer 66. Sociol. Asn. Theory; methodology; organizations. Publ: Scientific sociology: theory of revolutions, In: Explorations in social change, Prolegomenon to a theory of revolutions, In: Explorations in social change, Houghton, 64; auth, Weber's missing authority type, Sociol. Inquiry, spring 67. Address: Dept. of Sociology, University of Kansas, Lawrence, Kans. 66044.

WILLERMAN, PROF. BEN, Psychol, see 10th ed, Soc. & Behav. Vols., deceased 65.

WILLES, DR. MARK H(INCKLEY), b. Salt Lake City, Utah, July 16, 41; m. 61; c. 2. ECONOMICS. A.B., Columbia, 63, Ph.D.(banking, finance), 67. Economist, Fed. Reserve Bank of Phila., 67; ASST. PROF. FINANCE, WHARTON SCH., PENNSYLVANIA, 67- Consult. economist, Fed. Res. Bank of Phila.,

67- Econ. Asn; Finance Asn. Monetary policy; structure and behavior of financial institutions and markets. Publ: Changing goals of monetary policy, Nat. Banking Rev., 6/67; The inside lags of monetary policy, J. Finance, 12/67. Address: Wharton School, University of Pennsylvania, Philadelphia, Pa. 19104.

WILLETT, DR. ALBERT V(IRGIL), JR., Org. Chem, see 11th ed, Phys. & Biol. Vols.

WILLETT, PROF. EDWARD R., b. Brockton, Mass, July 5, 23; m. 48; c. 2. ECONOMICS. B.S., Northeastern, 45; M.A., Harvard, 47, Ph.D.(econ), 51. PROF. FINANCE & CHMN. DEPT. FINANCE & INS., NORTHEASTERN, 56- Chmn. Consumers Coun., Commonwealth of Mass., 66- Econ. Asn; Statist. Asn; Finance Asn. Statistics. Publ: Statistics for economics and business; Personal finance, C.E. Merrill, 64; Fundamentals of security markets, Appleton, 1/68. Address: 56 Park Ave, Wakefield, Mass. 01880.

WILLETT, DR. RONALD PAUL, b. Coldwater, Ohio, Oct. 18, 33; m. 55; c. 4. BUSINESS ECONOMICS. B.S., Miami (Ohio), 54, M.B.A., 56; D.B.A., Indiana, 59. Lectr. MKT., INDIANA, 58-59, asst. prof., 59-62, ASSOC. PROF., 62-, ASST. CHMN. DEPT., 67- Mkt. Asn. Marketing systems; marketing management; marketing research methodology; human choice processes; consumer behavior; modeling business decisions; social interaction and communication; experimental economics. Publ: Perspectives on marketing programming, Indiana Univ., 63; co-auth, Customer and salesman: the anatomy of choice and influence in a retail setting, In: Science, technology and marketing, Am. Mkt. Asn., 66; co-auth, Customer impulse purchasing behavior, J. Mkt. Res., 2/67. Address: Dept. of Marketing, Graduate School of Business, Indiana University, Bloomington, Ind. 47401.

WILLEY, PROF. CLARENCE F(ARMAN), b. Island Pond, Vt, Dec. 24, 07; m. 36. PSYCHOLOGY. A.B., Dartmouth Col., 32; A.M., Princeton, 33, Ph.D. (psychol), 36. Instr. PSYCHOL. & ED. NORWICH, 36-39, asst. prof., 39-43, assoc. prof., 43-44, PROF., 44-, HEAD DEPT., 36- Exam. State Personnel Dept., Vt., 41-55. U.S.A.A.F., 43-46, Lt. Col.; Nat. Guard, 53-67. Psychol. Asn; Ed. Res. Asn; Nat. Coun. Measurement in Ed. Perception; educational and vocational tests; personnel methods; auto-instructional devices and procedures. Address: 5 Partridge Terrace, Northfield, Vt. 05663.

WILLEY, DR. DARRELL S., b. Farmington, Utah, May 9, 25; m. 47; c. 3. EDUCATIONAL ADMINISTRATION & PSYCHOLOGY. A.B., Denver, 48; M.S., Utah State, 49; Ed.D.(ed. admin. & psychol), Utah, 53. Teaching prin., Wendover, Utah-Nev., 49-50; prin., West Schs., Colo., 52-53; asst. prof. child psychol. & ed. admin., NEW MEXICO STATE, 53-59, assoc. prof. ED. ADMIN. & RES., 59-62, PROF. & HEAD DEPT., 62- Prin. investr., ed. res. info. center clearinghouse small sch. & rural ed., New Mexico State, 66- Consult, coop. proj. ed. admin., Kellogg Found., 53-57; elem. sch. inst., Nat. Sci. Found., 60-63; div. voc. ed., U.S. Off. Ed., 65, civil rights sect., 66-, dir. ed. res. training prog., fcls., 66- U.S.A.F., 43-45, Res., 45-56, 2nd Lt. AAAS; Ed. Res. Asn. Training of specialists in educational statistics, computer use and research design; information storage and retrieval coupled to dissemination theory via ERIC chain. Publ: Co-auth, School personnel management computer game, New Mexico State Univ., 63, Comparison of Spanish-American and Anglo children on a culture free test, J. Ed. Sociol., 10/61 & A suggested model for the investigation of teaching effectiveness, J. Ed. Res., 5-6/63. Address: Dept. of Educational Administration, New Mexico State University, Box R, Las Cruces, N.Mex. 88001.

WILLEY, PROF. GORDON R(ANDOLPH), b. Chariton, Iowa, Mar. 7, 13; m. 38; c. 2. ANTHROPOLOGY. A.B., Arizona, 35, M.A., 36; fel., Columbia, 39-41, Ph.D.(anthrop), 42. Asst. archaeologist, Smithsonian Inst., 36-37; archaeologist, Nat. Park Serv., Ga., 37-38; state supvr., Works Prog. Admin. Archaeol. Surv., Louisiana, 38-39; asst. anthrop., Columbia, 40-41; field supvr., Inst. Andean Res., Peru, 41-42; Rosenwald fel. Am. archaeol. & instr. anthrop., Columbia, 42-43; anthropologist, bur. Am. Ethnol., Smithsonian Inst., 43-50; BOWDITCH PROF. ARCHAEOLOGY, HARVARD, 50- Nat. Acad. Sci.; Am. Acad. Arts & Sci.; fel. Soc. Am. Archaeol; fel. Anthrop. Asn. Peruvian, Panamanian, Mesoamerican and southeastern United States archaeology. Publ: Prehistoric settlement patterns in the Viru Valley, Peru; An introduction to American archaeology, Prentice-Hall, 66; co-auth, Method and theory in American archaeology. Address: Peabody Museum, Harvard University, Cambridge, Mass. 02138.

WILLEY, DR. H. DAVID, b. Omaha, Nebr., May. 5, 30; m. 58; c. 2. ECONOMICS. B.A., Colgate, 52; M.A., Fletcher Sch. Law, 56; Ph.D.(econ), Columbia, 66. Economist, BALANCE PAYMENTS DIV., FED. RESERVE BANK NEW YORK, 64-67, CHIEF DIV., 67- U.S.A., 53-55. AAAS; Econ. Asn; Economet. Soc. Balance of payments; economic growth of developed countries. Address: 151 E. 83rd St, New York, N.Y. 10028.

WILLEY, DR. MALCOLM MACDONALD, b. Portland, Maine, Nov. 13, 97; m. 24; 55, 63. SOCIOLOGY. A.B., Clark, 20, L.H.D., 45; A.M., Columbia, 21, Ph.D., 26; LL.D., Maine, 52. Instr. sociol., Dartmouth Col., 23-24, asst. prof., 24-27; assoc. prof., MINNESOTA, MINNEAPOLIS, 27-29, prof., 29-34, univ. dean & asst. to pres., 34-43, v.pres. acad. admin., 43-63, EMER. V.PRES. ACAD. ADMIN. & EMER. PROF. SOCIOL., 63-; FORD FOUND. ED. CONSULT., UNIV. CALIFUTTA, 63- Vis. lectr., Chicago, 29-30. Investr., President's Res. Cmt. on Soc. Trends, 81. Dir., Soc. Sci. Res. Coun., 50-63. Mem. bd., Nat. Sci. Found., 60-63; conf. bd., Asn. Res. Couns., 59-63. AAAS; Sociol. Asn; Newcomen Soc. Educational administration. Publ: Country newspaper; Depression, recovery and higher education; co-auth, Self-study manual for Indian colleges and universities, Ford Found., 67. Address: University of Minnesota, Minneapolis, Minn. 55455.

WILLEY, DR. RICHARD JAMES, b. Lynn, Mass. POLITICAL SCIENCE. A.B., Massachusetts, 60; M.A., Princeton, 62, Ph.D.(polit), 64. Instr. POLIT. SCI., VASSAR COL., 64-65, ASST. PROF., 65- Consult, President's Cmn. Postal Orgn., 67-68. U.S.A., 53-55. Polit. Sci. Asn. Comparative politics—Europe. Publ: Pressure group politics: the case of Sohyo, West. Polit. Sci. Quart., 64. Address: Dept. of Political Science, Vassar College, Poughkeepsie, N.Y. 12601.

- WILLEY, PROF. R(OY) DeVERL, b. Bryon, Wyo, July 31, 10; m. 43; c. 6. EDUCATIONAL PSYCHOLOGY. B.A. Wyoming, 35; M.A. Brigham Young, 36; Ph.D. Stanford, 40. Instr. ed. San Jose State Col, 40-47; PROF. psychol, Utah, 47-55; ED. NEVADA, 55- Consult, Calif. State Col. Los Angeles, 67-68. Mem. gov. bd, U.S. Nat. Cmt. Childhood Ed, 67-68. U.S.N.R., 42-45, Lt. Comdr. Psychol. Asn. Placement of arithmetical topics and processes; organizational patterns of elementary school guidance; individualized reading. Publ: Guidance in elementary education; Organization and administration of the guidance program; Group procedure in guidance. Address: 890 S. Brookfield Dr, Reno, Nev. 89503.
- WILLHELM, DR. SIDNEY M(LARTY), b. Galveston, Tex, Oct. 5, 34. SOCIOLOGY. B.A. & M.A. Texas, 57, Ph.D.(sociol), 60. Asst. prof. SOCIOLOGY, San Francisco State Col, 60-62; STATE UNIV. N.Y. BUFFALO, 62-65, ASSOC. PROF., 65- Sociol. Asn. Automation; human ecology; social movements and control. Publ: Urban zoning and land-use theory, Macmillan, 62; Scientific unaccountability and moral accountability, In: The new sociology, Oxford, 64; co-auth, Who needs the Negro?, Trans-Action, 9-10/64. Address: Dept. of Sociology, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- WILLHITE, DEAN W(INFIELD) LYLE, b. Mt. Carmel, Ill, Sept. 8, 13. ECONOMICS. B.S. Lewis Inst, 35; M.S. Illinois, 37, Ph.D., 41. Chmn. dept. commerce, Catawba Col, 41-46, dean men, 43-46; chmn. dept. econ. & bus. admin, Knox Col, 46-57, dean students, 48-57, registr., 51-57; head dept. bus. & chmn. div. bus. admin, Long Beach State Col, 57-60; DEAN SCH. BUS. ADMIN, CENTRAL MICHIGAN, 60- Econ. Asn. Effects of oil development on Illinois communities; cost trends in American colleges. Address: Central Michigan University, Mt. Pleasant, Mich. 48858.
- WILLHOITE, DR. FRED HALE, JR, b. Oklahoma City, Okla, July 30, 36; m. 58; c. 2. POLITICAL SCIENCE. A.B. Oklahoma Baptist, 57; Wilson fel, Duke, 57-58, Lilly Endowment fel, 58-60, M.A., 59, Ph.D.(polit. sci.), 61. Instr. polit. sci, Col. Wooster, 60-61; Fla. Presby. Col, 61-62, asst. prof, 62-64; govt, La. State, 64-65, assoc. prof, 65-68; ASSOC. PROF. POLIT. SCI. & CHMN. DEPT, COE COL, 68- Polit. Sci. Asn. Political theory; comparative government and politics of Western Europe. Publ: Beyond nihilism: Albert Camus's contribution to political thought, La. State Univ, 68; Political order and consensus: a continuing problem, West. Polit. Quart, 6/63; Rousseau's political religion, Rev. Polit., 10/65. Address: Dept. of Political Science, Coe College, Cedar Rapids, Iowa 52402.
- WILLIAMS, DR. ALBERT C(HARLES), b. Philadelphia, Pa, May 11, 28; m. 53; c. 1. ECONOMICS, MATHEMATICS. B.S. Lafayette Col, 50; M.S. Lehigh, 52, Ph.D.(physics), 56. Res. physicist, res. & develop. labs, Socony Mobil Oil Co, Inc, 55-58, asst. mgr. electronic comput. center, 58-61, res. assoc. appl. math, res. & develop. labs, 61-65, SR. RES. ASSOC. MATH. & ECON, MOBIL RES. & DEVELOP. LABS, 65- Vis. lectr, Michigan, 68. U.S.M.C., 46-48. Asn. Comput. Mach; Inst. Mgt. Sci; Math. Soc; Economet. Soc. Application of mathematical techniques to problems of economics and operations research, including techniques for automatic computation by electronic computers. Address: Mobil Research & Development Labs, Box 1025, Princeton, N.J. 08540.
- WILLIAMS, DR. ALEXANDER C(OXE), Psychol, see 10th ed, Soc. & Behav. Vols, deceased.
- WILLIAMS, DR. ALLAN F(RANK), b. Oneida, N.Y., Nov. 25, 39; m. 65; c. 1. SOCIAL PSYCHOLOGY. B.A. Wesleyan, 61; M.A. Harvard, 64, Ph.D. (psychol), 65. Alcoholism res. analyst, div. alcoholism, Mass. Dept. Pub. Health, 64-67; PROJ. DIR. DENT. STUDIES, MED. FOUND, INC, BOSTON, 67- Psychol. Asn; Soc. Psychol. Study Soc. Issues. Drinking behavior, especially college problem drinking; dental manpower planning. Publ: Co-auth, Interpersonal sensitivity under motive arousing conditions, J. Abnorm. & Soc. Psychol, 64; auth, Social drinking, anxiety & depression, J. Personality & Soc. Psychol, 66; Epidemiology and ecology of alcoholism, In: Alcoholism, Little, 66. Address: 8 Martin Rd, Concord, Mass. 01742.
- WILLIAMS, DR. AUBREY W, JR, b. Madison, Wis, July 31, 24; m. 50; c. 2. ANTHROPOLOGY. B.A. North Carolina, 55, M.A., 57; fel, Arizona, 58-59, 60-61, Ph.D.(anthrop), 64. Res. asst. human rels. area file, North Carolina, 57-; dir. work camp in Mex. Am. Friends Serv. Cmt, 57-58; res. asst. Mohave Indians, bur. ethnic res, Univ. Arizona, 59-60; anthropologist, Navajo tribe, 61; asst. prof. ANTHROP, MARYLAND, 62-67, ASSOC. PROF. & DIR. DIV, 67- Co-prin. investr, Univ. Maryland-Nat. Sci. Found. prof, 67-68. U.S.A.A.F., 43-46, S/Sgt. Fel. Anthropol. Asn; Soc. Am. Archaeol; Ethnol. Soc. Ethnology of indigenous and mestizo people of the New World, especially those inhabiting arid regions; effect of water control on present social, economic and political systems. Publ: Conceptions of time in eastern United States archaeology, Southern Indian studies, 56-58; co-auth, Agricultural systems and political growth in ancient Oaxaca, Science, 67; auth, Navajo political process, Smithsonian Contributions Anthropol, 68. Address: Division of Anthropology, University of Maryland, College Park, Md. 20742.
- WILLIAMS, DR. BARBARA RUTH, b. Tyler, Tex, July 28, 33. SOCIOLOGY. B.A. Austin Col, 54; M.A. Illinois, 57, Ph.D.(sociol), 63. Instr. SOCIOLOGY, Mankato State Col, 57-59, asst. prof, ST. LAWRENCE, 62-64, assoc. prof, 64-67, PROF, 68-; RES. SOCIOLOGIST, U.S. OFF. ECON. OPPORTUNITY, 67- Sociol. Asn. Criminology; delinquency; adolescent behavior and youth cultures; changing status of minority groups. Address: 4500 Connecticut Ave, Washington, D.C. 20008.
- WILLIAMS, PROF. BARNETT OSBORNE, b. Easley, S.C., June 26, 97; m. 20; c. 1. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.S. Clemson Col, 18; M.A. Virginia, 29; Ph.D.(sociol, econ), Minnesota, 37. Teacher, high sch, S.C., 18-19; state leader, 4-H Club, Clemson Col, 19-30, prof. sociol. & statist. & sociologist, S.C. Exp. Sta, 33-40; instr. SOCIOLOGY, Minnesota, 30-33; head dept, GEORGIA, 40-58, from prof. to EMER. PROF., 40- Summer vis. prof, Kentucky, 37 & 38, La. State, 39, North Carolina, 40 & Miss. State, 41. Fel. Sociol. Asn. Social mobility; population; housing. Publ: Mobility, In: Landlord and tenant on the cotton plantation; Occupational mobility among farmers, S.C. Exp. Sta. Bull; Population policy for the South, Soc. Forces. Address: 485 Highland Ave, Athens, Ga. 30601.
- WILLIAMS, DR. BENJAMIN H(ARRISON), b. Eugene, Ore, Mar. 23, 89; m. 17; 51; c. 2. POLITICAL SCIENCE. A.B. Oregon, 10, A.M., 12; Harvard, 12-13; fel, California, 20-21, Ph.D., 21. Statistician, State Ind. Accident Cmn, Ore, 14-16; secy. soc. welfare, exten. div, Oregon, 16-17; instr. polit. sci, Pennsylvania, 21-23; asst. prof, Pittsburgh, 23-27, assoc. prof, 27-30, prof, 30-43; analyst, mil. intel. div, U.S. Dept. War, 43; div. asst, U.S. Dept. State, 43-44; mem. staff, Indust. Col. Armed Forces, 44-59, ed. specialist, 50-59; PRIVATE RES. & WRITING, 59- Lectr, Bryn Mawr Col, 23. Consult, U.S. Info. Agency, 60. Except. civilian serv. decoration, Dept. Army, 59. U.S.A., 17-19, Lt. Acad. Econ. & Polit. Sci. American foreign policies; American diplomacy; political economy of war. Publ: Economic foreign policy of the United States; American diplomacy policies and practice; Science and policy, Social Sci. Address: 3 Forestdale Dr, Asheville, N.C. 28803.
- WILLIAMS, DR. BENNE D, b. Ogden, Utah, Aug. 22, 31; m. 56; c. 4. PSYCHOLOGY, COUNSELING PSYCHOLOGY. B.S. & M.S. Utah State, 59, Ed.D. (ed. psychol), 65; Utah & Brigham Young, 59-63. Counsr. & teacher, pub. schs, Utah, 59-60, dir. guid, high sch, 60-63; instr. PSYCHOL, Utah State, 64-65, asst. prof, 65-66, counsr, 64-66; asst. prof, WEBER STATE COL, 66-68, ASSOC. PROF, 68- Testing consult, Bur. Indian Affairs Intermountain Sch, summer 66; counseling consult, Neighbor Youth Corps, Utah, 68- U.S.A., 59-55. Personnel & Guid. Asn. Roles and functions of the public school guidance counselor; effective teaching methods and merit rating of teachers on all levels of education. Address: Dept. of Psychology, Weber State College, 3750 Harrison Blvd, Ogden, Utah 84403.
- WILLIAMS, DR. B(OBBY) J(OE), Phys. Anthropol, Pop. Genetics, see 11th ed, Phys. & Biol. Vols.
- WILLIAMS, PROF. BURTON J(OHN), Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WILLIAMS, PROF. CARL D(ANIEL), b. Detroit, Mich, Oct. 18, 22; m. 45; c. 5. PSYCHOLOGY. B.S. Wayne, 47; M.A. Chicago, 50, Ph.D.(psychol), 51. From instr. to asst. prof. PSYCHOL, MIAMI (FLA), 50-57, from assoc. prof. to PROF, 57- U.S.N., 43-46, Lt.(jg). Psychol. Asn. Motivation; experimental psychology. Address: Dept. of Psychology, University of Miami, Coral Gables, Fla. 33146.
- WILLIAMS, PROF. C(HESTER) ARTHUR, JR, b. Blakely, Pa, Mar. 6, 24; m. 51; c. 2. ECONOMICS. A.B. Columbia, 47, A.M., 49, fel, 49-50, Ph.D., 52. Lectr. statist. & ins, Buffalo, 50-52; asst. prof. INS, MINNESOTA, MINNEAPOLIS, 52-55, assoc. prof, 55-58, PROF, 58- Ford Found. faculty res. fel, 57-58; vis. prof, Pennsylvania, 60-61. U.S.A.A.F., 43-46, 1st Lt. Statist. Asn; Finance Asn; Risk & Ins. Asn; Acad. Actuaries. Quantitative methods applied to insurance; actuarial science; risk management; social insurance; government regulation. Publ: Price discrimination in property and liability insurance; co-auth, Risk management and insurance, McGraw, 64 & Economic and social security, Ronald, 67. Address: School of Business Administration, University of Minnesota, Minneapolis, Minn. 55455.
- WILLIAMS, DR. CLIFFORD GLYN, b. Letterston, Wales, Feb. 23, 28. ECONOMIC. B.A. Wales, 56; M.A. Manchester, 58; Ph.D. Virginia, 62. ASST. PROF. ECON, Queen's Col.(N.C.), 60-61; Alberta, 61-63; Indiana, 63-66; BOSTON COL, 66- Am. Econ. Asn; Indust. Rels. Res. Asn; Royal Econ. Soc. Labor economics; study of railroad unions in the United Kingdom and the United States of America; determinants of money wage movements; labor economics text. Publ: Effects of composition changes on railway wages, Indust. & Labor Rels. Rev, 10/66; Technological change and the effects on employment in the railroad company Canadian Pacific, Can. Dept. Labour, 3/68. Address: Dept. of Economics, Boston College, Chestnut Hill, Mass. 02167.
- WILLIAMS, PROF. CONWAY SCOTT, b. Leonia, N.J., Feb. 18, 11; m. 40; c. 1. ECONOMICS. A.B. Columbia, 34, scholar. & M.S. 35. Sr. res. asst, nat. res. proj, Works Proj. Admin, Pa, 37-38; statistician, Life Exten. Inst, New York, 38-39; res. statistician, Nat. Elec. Mfrs. Asn, 39-41; chief statistician & head dept. statist, Nat. Asn. Hosiery Mfrs, 41-42; sr. statistician, chief statist. & reports, mgt. engr. & staff asst, Bell Aircraft Corp, Buffalo, N.Y., 43-45; from instr. to asst. prof. mgt. & head dept, Mohawk Col, 46-48; asst. prof, Champlain Col, 48-49; ECON, GETTYSBURG COL, 49-60; ASSOC. PROF, 60- Econ. Asn; Statist. Asn; Geog. Soc; Acad. Polit. & Soc. Sci. Industrial economics; economic geography; demography; industrial and personnel management. Publ: Nema statistics: what they are and how to use them, Quart. Bull. Nat. Asn. Hosiery Mfrs; Time series for Nema and Nahm. Address: Dept. of Economics & Business Administration, Gettysburg College, Gettysburg, Pa. 17325.
- WILLIAMS, DR. CYNTHIA IRWIN, b. Denver, Colo, Apr. 4, 14; m. 62. ANTHROPOLOGY, ARCHAEOLOGY. A.B. Radcliffe Col, 57, A.M. 58; Nat. Sci. Found. & Peabody Mus. fels, Harvard, 58-63; Ph.D.(anthrop), 63. Teaching asst. ANTHROP, Harvard, 61; lectr, Hunter Col, 63-64; asst. prof, EASTERN NEW MEXICO, 64-67, ASSOC. PROF, 67- Am. Mus. Natural Hist. Ogden Mills fel, 63-64; Nat. Sci. Found. res. grant, 63-; res. fel, Mus. N.Mex, 65- AAAS; fel. Anthropol. Asn; Soc. Am. Archaeol. Early cultures of the New World; Paleolithic cultures of the Old World; archaeological theory; reconstruction of prehistoric society; human ecology. Publ: Co-auth, Excavations at the LoDaisKa site, Denver Mus. Natural Hist. Tech. Series 8/59 & Excavations at Magic Mountain: a diachronic study of plains-Southwestern relationship, Denver Mus. Nat. Hist. Proc, 66; auth, Picosas: the elementary Southwestern culture, Am. Antiq, 67. Address: Dept. of Anthropology, Eastern New Mexico University, Portales, N.Mex. 88130.
- WILLIAMS, DR. D. C, JR, b. McComb, Miss, Aug. 19, 29; m. 53; c. 3. ECONOMIC. Assoc. county agent, coop. exten. serv, Miss. State, 56-59; asst. agr. econ, La. State, 59-62, instr, 62-63; asst. exten. specialist, coop. exten. serv, Miss. State, 63-64; economist, Corps Engrs, U.S. Army, 64-65; assoc. prof. econ. & res. assoc, Miss. State, 65-66; ASSOC. PROF. ECON. & DIR. BUR. BUS. RES, SOUTHERN MISSISSIPPI, 66- Consult, Corps Engrs, U.S. Army, 65-66; Southwest Miss. Econ. Develop. Dist, 67-; Miss. Res. & Develop. Center, 68-; Gen. Elec. Co, 68- Mem. dist group off. state tech.

serv. U.S. Dept. Commerce, 66-67. U.S.A. 54-56. Econ. Asn; Agr. Econ. Asn. Economic analysis and development. Publ: Co-auth, A stochastic analysis of the size distribution of firms in fluid milk markets in Louisiana, La. Exp. Sta, 63; A method for identifying development districts in the state of Mississippi, Midwest Appl. Sci. Corp, 66; Overall economic development program—southwest Mississippi economic development district, Southwest Miss. Econ. Develop. Dist, 67. Address: Dept. of Economics, University of Southern Mississippi, Hattiesburg, Miss. 39401.

WILLIAMS, PRES. D(AVID) C(ARLTON), b. Winnipeg, Man, July 7, 12; m. 43; c. 2. PSYCHOLOGY. B.A. Manitoba, 32; M.A. Toronto, 37, Ph.D.(psychol), 40. Asst. psychol, Toronto, 37-40, spec. lectr, 45-46; assoc. prof, Manitoba, 46-47, prof. & head dept, 48-49; prof. psychol, Toronto, 49-63, dir. div. univ. exten. 58-62; prin, Scarborough Col, Toronto, 63-65; Erindale Col, Toronto, 65-67, v-pres, Erindale & Scarborough Colls, Toronto, 65-67; PRES. & V. CHANCELLOR, WESTERN ONTARIO, 67- Consult, Toronto Juvenile Court, 51-57. Chmn, human resources adv. cmt. Defense Res. Bd, 56-57. R.C.A.F. 41-45. Fel. Can. Psychol. Asn; fel. Can. Psychol. Asn.(pres, 54). Social psychology: juvenile delinquency; perception; personality theory; adult education; educational television. Publ: The arts as communication, 63; University television, 65. Address: University of Western Ontario, London, Ont, Can.

WILLIAMS, DR. DAVID R(ICHMOND), b. East Orange, N.J., Sept. 11, 34; m. 58. EXPERIMENTAL PSYCHOLOGY. A.B., Harvard, 56; M.S., Yale, 58, Ph.D.(psychol), 60. ASST. PROF. PSYCHOL, Yale, 60-61; PENNSYLVANIA, 61- AAAS; Psychol. Asn. Experimental psychology of learning; operant and respondent conditioning in situations involving sequential behavior. Publ: Some observations on the starvation resulting from lateral hypothalamic lesions, J. Comp. Physiol. & Psychol; co-auth, Control of drinking behavior by means of an operant conditioning technique & Changes in the perceived hue of a very bright stimulus, Science. Address: Dept. of Psychology, University of Pennsylvania, Philadelphia, Pa. 19104.

WILLIAMS, DR. DORWIN L, b. Doniphan, Mo, Aug. 13, 28; m. 54; c. 3. AGRICULTURAL ECONOMICS. B.S., Missouri, Columbia, 57, M.S., 58, Ph.D. (agr. econ), 62. Teacher, elem. schs, Mo, 47-50; asst. agr. econ, MISSOURI, COLUMBIA, 57-61, instr, 61-62, asst. prof, 62, AGR. ECONOMIST, ECON. RES. SERV, U.S. DEPT. AGR. & RES. ASSOC. DEPT. AGR. ECON, UNIV, 62- U.S.A.F., 50-54, S/Sgt. Agr. Econ. Asn. Agricultural finance, including rural housing credit. Publ: Land tenure arrangements, 7/62, Financing rural homes in Missouri, 4/64 & A profile of rural home buyers and builders and their use of housing credit, 4/68, Mo. Agr. Exp. Sta. Res. Bull. Address: Dept. of Agricultural Economics, University of Missouri, Columbia, Mo. 65201.

WILLIAMS, PROF. EDGAR G(ENE), b. Poseyville, Ind, May 4, 22; m. 44; c. 1. BUSINESS ADMINISTRATION. A.B., Evansville Col, 47; M.B.A., Indiana, 48, D.B.A., 52. Instr, INDIANA, 48-52, asst. prof. MGT, 52-55, assoc. prof, 55-60, PROF, 60-, ASSOC. DEAN ADMIN, GRAD. SCH. BUS, 66- Consult. personnel & gen. mgt. U.S.A., 43-46. Personnel and industrial relations. Publ: People and problems; co-auth, Cases and problems in personnel and industrial relations. Address: 1126 E. First St, Bloomington, Ind. 47401.

WILLIAMS, DR. EDWARD J(EROME), b. Wilkins Twp, Pa, Mar. 19, 35; m. 60; c. 3. POLITICAL SCIENCE. B.A., Duquesne, 60, M.A., 61; Ph.D.(polit. sci), Hopkins, 66. Instr. polit. sci. & hist, St. Francis Col.(Ind), 61-62; prog. dir, Center Christian Democratic Action, N.Y., 65; asst. prof. POLIT. SCI, Marquette, 65-68; ASSOC. PROF, ARIZONA, 68- Grants, Marquette Univ. Cmt. Res, 66-67. U.S.A., 54-56. Polit. Sci. Asn; Latin Am. Studies Asn. Latin American politics; political parties; Christian and Socialist theories and ideologies; political development. Publ: Latin American Christian Democratic parties, Univ. Tennessee, 67; Christians and Socialists: the end of an epoch, Parliamentary Affairs, 67. Address: Dept. of Government, University of Arizona, Tucson, Ariz. 85721.

WILLIAMS, ELLIS T, b. Jenkintown, Pa, Jan. 14, 08; m. 37; c. 1. FOREST ECONOMICS. B.A., Yale, 30; M.B.A., Harvard, 32. With Ins. Co. of N.Am, 32-43, 47-50; acting exec. secy, South Calif. Br, Am. Friends Serv. Cmt, 46; FOREST ECON. RESEARCHER, U.S. FOREST SERV, 50- Chmn. bd. trustees, Sidwell Friends Sch. Econ. Asn; Soc. Am. Foresters. Forest taxation, insurance and credit. Publ: Forest insurance; National forest contributions to local governments, Land Econ; Trends in forest taxation, Nat. Tax J. Address: 4208-46th St. N.W, Washington, D.C. 20016.

WILLIAMS, PROF. ERNEST W(ILLIAM), JR, b. Pa, Oct. 27, 16; m. 57. TRANSPORTATION ECONOMICS. B.S., Columbia, 38, M.S., 39, Ph.D., 51. Economist, Nat. Resources Planning Bd, 40-43; War Prod. Bd, 43-45; fiscal analyst, Bur. Budget, 45-46; lectr. & assoc. TRANSPORTATION, GRAD. SCH. BUS, COLUMBIA, 47-52, assoc. prof, 52-58, PROF, 58- Dir. ACF Indus, Inc, 60- Consult, Bur. Budget, Hoover Cmn. & Nat. Security Resources Bd, 47-; Off. Defense Mobilization, 52-59; Dept. Commerce, 59-60. Econ. Asn; Acad. Polit. Sci; fel. Am. Geog. Soc. Economic geography. Publ: Regulation of rail-motor rate competition; co-auth, Economics of transportation; auth, Freight transportation in the Soviet Union, Princeton, 62. Address: Graduate School of Business, Columbia University, New York, N.Y. 10027.

WILLIAMS, EVELYN V(ERNICE), b. Washington, D.C., Jan. 29, 21. PSYCHOLOGY. B.S., Miner Teachers Col, 43; M.A., N.Y. Univ, 50. Personnel technician, U.S. BUR. CENSUS, 50-53, anal. statistician, off. ed, 53-54, soc. sci. analyst, 54-56, anal. statistician, 56-59, res. psychologist, 59-62, SURV. STATISTICIAN, 62- Statist. Asn. Development of mental tests; experimental observation. Address: 1536 Montana Ave. N.E., Washington, D.C. 20018.

WILLIAMS, DR. FLOYD WENDELL, b. Keeling, Va, Feb. 1, 31; m. 52; c. 2. AGRICULTURAL ECONOMICS. B.S., Va. Polytech. Inst, 53, M.S., 58; Ph.D., Florida, 61. Asst. prof. econ, Va. Polytech. Inst, 56-57; asst. economist, Florida, 57-58, asst. agr. mkt, 58-60; agr. economist, agr. mkt. res, Econ. Res. Serv, U.S. Dept. Agr, 60-63; assoc. economist, Fla. Agr. Exp. Stas,

Univ. Florida, 63-68; ASSOC. PROF. AGR. ECON, GEORGIA, 68- Res. economist, Fla. Citrus Cmn, 63-68. U.S.A.F., 54-56, Res, 56- Agr. Econ. Asn. Agricultural marketing; marketing citrus, citrus products, fruits and vegetables. Publ: Redemption cost and purchase analysis of direct mail coupons, Fla. Citrus Cmn, 64; co-auth, Futures trading and the Florida orange industry, 65 & Demand and substitution relationships for Florida orange juice in drug stores, 66, Univ. Florida. Address: Dept. of Agricultural Economics, University of Georgia, Athens, Ga. 30602.

WILLIAMS, PROF. FRANK J(EFFERSON), JR, b. Knoxville, Tenn, Sept. 16, 15; m. 40; c. 1. STATISTICS, OPERATIONS ANALYSIS. A.B., Washington & Lee, 37; M.S., Tennessee, 39, M.A., 43; Standard Oil Calif. fel, Stanford, 49-50, Ph.D.(bus. admin), 59. Asst. to secy. & treas, Standard Knitting Mills, 40-42; assoc. prof. statist. & head dept, Tennessee, 48-57; PROF. BUS, SAN FRANCISCO STATE COL, 57- U.S.N., 43-46. Statist. Asn; Inst. Mgt. Sci. Application of statistical, operational and computer methods to various problems in business. Publ: Co-auth, Modern business statistics; Elementary business statistics, Prentice-Hall, 64; Dictionary-outline of basic statistics, McGraw, 66. Address: School of Business, San Francisco State College, 1600 Holloway, San Francisco, Calif. 94132.

WILLIAMS, PROF. FRANKLIN S, b. Cincinnati, Ohio, Feb. 17, 12; m. 45; c. 3. MARKETING. B.S., Kent State, 33; M.B.A., Chicago, 44; Iowa, 51; Ph.D., Arkansas, 57. Mkt. analyst, Chicago Asn. Commerce, 44-45; Link-Belt Co, 45-46; from instr. to asst. prof. bus. admin, econ, mkt. & adv. law, Arkansas, 46-48; asst. prof. bus. admin, mkt. research, advert. & bus. law, Antioch Col, 48-49; bus. admin, mkt. & advert, Oklahoma, 49-53; dist. mgr, State Farm Ins. Co, 53; assoc. prof. pharm. admin, med. center, ARKANSAS, 53-59, PROF. MKT. MGT. & HUMAN RELS, 59- Consult, 46-59; mkt. consult, Studebaker Corp, 64-65. Dir. mag. res, Antioch Rev, 48-49. Mkt. Asn. Social psychology; sociometry; managerial attitudes and supervisory patterns; analysis of motivational levels of managerial personnel for Arkansas manufacturing firms. Publ: Factor drive-in, Harvard Univ. Series; Break-even profit ratio, clue to a management problem, Am. Prfnl. Pharmacist; Case study; Fransworth Pharmacy, In: Southern case writers. Address: College of Business Administration, University of Arkansas, Fayetteville, Ark. 72701.

WILLIAMS, DR. FREDERICK W(ILLIAM), b. Lockport, N.Y., Aug. 19, 11; m. 50. SOCIAL SCIENCE. A.B., Princeton, 33; M.A. & Ph.D.(philos), N.Y. Univ, 40. Res. assoc, Princeton, 39-42; asst. dir. off. pub. opinion res, 41-45; chief, opinion res. br, U.S. Mil. Govt. in Germany, 45-50; psychol. war res. div, U.S. Dept. Air Force, 50-54; PROPRIETOR, WILLIAMS RES. COUNSEL, 54- Consult, U.S. Dept. State, 43-45; Off. Strategic Serv, 44. Pres, European Consumer & Opinion Res. Soc, 46-47. Sociol. Asn; World Asn. Pub. Opinion Res. Opinion; media; consumer research. Publ: Contrib, Gauging public opinion & Psychology in the world emergency. Address: 446 W. 51st St, New York, N.Y. 10019.

WILLIAMS, DR. GEORGE H(OWARD), Law, Polit. Sci, see 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

WILLIAMS, DR. GERTHA, Psychol, see 10th ed, Soc. & Behav. Vols. Latest known address: 440 Townsend St, Birmingham, Mich. 48009.

WILLIAMS, DR. GERTRUDE J(OANNE), b. Boston, Mass, June 8, 27. PSYCHOLOGY. A.B., California, Los Angeles, 48; M.A., Southern California, 51; fel, Washington (St. Louis), 56-58, Ph.D.(psychol), 58. Trainee psychol, Calif. Jr. Repub, 51-52; extern, San Diego State Ment. Hyg. Clin. & San Diego County Psychiat. Unit, 52-53; from intern to staff psychologist, Norfolk State Hosp. & med. sch, Nebraska, 53-54; trainee clin. psychol, Vet. Admin. Neuropsychiat. Hosp, Jefferson Barracks, Mo, 54-55; asst. testing, Washington (St. Louis), 55-56, instr. & asst. med. psychol, 56-57; from staff psychologist to CHIEF PSYCHOLOGIST, PSYCHIAT. CHILD GUID. SECT, DIV. HEALTH, ST. LOUIS, 58-, RES. DIR, 60- Staff psychologist, med. sch, Nebraska, 53-54; prof. lectr, St. Louis, 65- Mem. exec. cmt, Nat. Coun. Grad. Ed. in Psychol, 68- Psychol. Asn. Psychology of the culturally deprived; effect of electroconvulsive shock on emotional behavior. Publ: Effect of electroconvulsive shock on an instrumentally conditioned emotional response, J. Comp. & Physiol. Psychol; A one year study of the concurrent validity of the Rorschach prognostic rating scale, J. Proj. Tech. & Personality Assessment, 12/67; The frequency of the Rorschach human movement response on Negro and white emotionally disturbed children, J. Consult. Psychol, 4/68. Address: Psychiatric Child Guidance Section, 3827 Enright Ave, St. Louis, Mo. 63108.

WILLIAMS, GLENN F(RANCIS), S.J., b. Cleveland, Ohio, Apr. 26, 24. PSYCHOLOGY. Litt.B., Xavier (Ohio), 46; A.B., St. Louis, 49, Ph.L., 50; S.T.L., West Baden Col, 57; Nat. Sci. Found. fel, Loyola (Ill), 60-61, A.M., 61, Ph.D. (psychol), 63. Teacher, St. Ignatius High Sch, Chicago, 50-51; Univ. Detroit High Sch, 51-53; ASST. PROF. PSYCHOL, JOHN CARROLL, 63-, summer teacher, 57. Psychol. Asn. Correlation of electrodermal response with emotionality; selection procedures in choice male student nurses and seminarians. Address: Dept. of Psychology, John Carroll University, Cleveland, Ohio 44118.

WILLIAMS, PROF. GRIFFITH W(YNNE), b. Clynderwen, Wales, Feb. 12, 97; nat; m. 44; c. 2. PSYCHOLOGY. B.Pd, Hartford Sem. Found, 24, M.Pd, 25; Ph.D.(psychol), Wisconsin, 29. Instr. psychol, Atlanta, 25-27; asst. inst. human rels, Yale, 29-30; asst. prof. psychol, Illinois, 30-31; Rochester, 31-37; RUTGERS, 37-41, assoc. prof, 41-59, asst. dir. psychol. clin. personnel off, Army Spec. Training Prog, 43-45, EMER. PROF. PSYCHOL, 59- Lectr, Westfield Adult Sch, 38-42. Dir, Vet. Admin. Guid. Center, 45-47. Raginsky award, 63. Dipl. Am. Bd. Exam. Prfnl. Psychol. Soc. Clin. & Exp. Hypnosis (award, 58); Brit. Soc. Med. Hypnotists. Publ: Psychology: a first course, Harcourt, 60; Paruresis: an exploratory study, J. Gen. Psychol; contrib, Hypnosis in perspective, Exp. Hypnosis. Address: Dept. of Psychology, Rutgers University, New Brunswick, N.J. 08903.

WILLIAMS, DR. HAROLD L(EROY), Biopsychol, see 11th ed, Phys. & Biol. Vols.

WILLIAMS, DR. HAROLD M (ARSHALL), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 66.

WILLIAMS, PROF. HAROLD S (OUTHALL), b. Pierson, Iowa, June 26, 12; m. 36; c. 4. ECONOMICS. Ph.D.(commerce), Iowa, 48. PROF. ECON. CENT. WASH. STATE COL, 48-; chmn. dept. econ. & bus, 62-67. U.S.A., 42-46, Maj. Econ. Asn; Finance Asn. Banking and monetary theory; investments; economic history of the United States. Publ: Ellensburg housing survey; The world of money and business, Multi Print, 66; The economic development of the Pacific Northwest, Everett Pub. Schs, 66. Address: Dept. of Economics, Central Washington State College, Ellensburg, Wash. 98926.

WILLIAMS, DR. HARRY A (LLEN), b. Bells, Tenn, July 23, 32; m. 61; c. 1. PSYCHOLOGY. B.S. Tennessee, 57, Ph.D.(psychol), 63. Chief psychologist, Ment. Health Center, Tenn, 63-66; ASSOC. PROF. PSYCHOL, EAST CAROLINA, 66- Consult, Wilson County Ment. Health Clin, 66- U.S.A., 53-55. Psychol. Asn. Psychodiagnostics and psychotherapy. Address: Dept. of Psychology, East Carolina University School of Arts & Sciences, Greenville, N.C. 27835.

WILLIAMS, DR. HARRY BIXLER, JR, Sociol, see 10th ed, Soc. & Behav. Vols.

WILLIAMS, HOMER N (EWTON), Bus. Admin, see 10th ed, Soc. & Behav. Vols.

WILLIAMS, PROF. HOWARD C (OPELAND), b. Quitman, Ga, May 29, 21; m. 48; c. 2. AGRICULTURAL ECONOMICS. B.S. Ga. State Col, 42; M.S. Ohio State, 47, Ph.D.(agr. econ), 53. Asst. prof. AGR. ECON, Agr. & Tech. Col, N.C., 47-48, assoc. prof, 49-51; asst. prof, OHIO STATE, 54-59, assoc. prof, 59-66, PROF, 66- Soc. Sci. Res. Coun. fel, inst. quant. res. methods, North Carolina, 56; vis. prof. & assoc. prof, chmn, Nommensen Univ, Sumatra, 61-63. Mem, Nat. Agr. Adv. Cmn, 64-65. U.S.A., 42-46. Agr. Econ. Asn; Int. Asn. Agr. Econ. Research methods; international trade; agricultural policy. Address: Dept. of Agricultural Economics, Ohio State University, 2120 Fyffe Rd, Columbus, Ohio 43210.

WILLIAMS, DR. HOWARD D (WIGHT), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WILLIAMS, PROF. IRVING G (REGORY), b. Brooklyn, N.Y., Mar. 17, 15; m. 42; c. 2. INTERNATIONAL RELATIONS. B.A. St. John's (N.Y.), 36, fel. & M.A., 38; Ph.D.(Am. hist, polit. sci), N.Y. Univ, 53. Instr. hist, teachers col, St. John's (N.Y.), 38-41; prof. naval orientation, Mont. Sch. Mines, 43-45; asst. prof. HIST, teachers col, ST. JOHN'S (N.Y.), 47-49, assoc. prof, SCH. ED, 49-54, PROF, 54-; chmn. dept. hist. & soc. studies, 49-58, dir. soc. sci. area, 60-63, chmn. dept. hist. univ, 63-66. N.Y. State Dept. Ed. & Ford Found. grant, Mid. East summer seminar, Columbia Univ, 63. Historian & consult, Columbia Broadcasting Syst, 55-61. Trustee & secy, Bd. Ed, Lynbrook, N.Y., 54-59; mem. nat. bd. trustees & cmt. educators, Library of Presidential Papers, 67- Outstanding teacher award, St. John's (N.Y.), 62. U.S.N., 41-46, Lt. Acad. Polit. & Soc. Sci; Hist. Asn. American national government; problem and role of the Vice Presidency of the United States; International role of the United States. Publ: Rise of the Vice Presidency; American Vice Presidency: new look; Government: its structure and interpretation, W.H. Sadlier, 65, rev. ed, 66. Address: 54 Sunset Ave, Lynbrook, N.Y. 11563.

WILLIAMS, DR. J. HAROLD, b. Ainsworth, Nebr, Dec. 21, 88; m. 16; c. 2. PSYCHOLOGY. A.B. Stanford, 13, M.A., 14, Ph.D.(ed), 16. Dir, Calif. Bur. Juvenile Res, 15-23; lectr. ed, CALIFORNIA, LOS ANGELES, 23-24, assoc. prof, 25-29, prof, 29-56, dean summer session, 35-46, coordinator, 55-56, EMER. PROVOST, 56- Provost, Santa Barbara Col, 46-55. Consult, Los Angeles Diag. Clin, 23-26; res. consult, sch. systs, Calif, 23-45. AAAS; fel. Psychol. Asn. Publ: Intelligence of the delinquent boy; Graphic methods in education; Elementary statistics. Address: 1286 Woodruff Ave, Los Angeles, Calif. 90024.

WILLIAMS, DR. J (AMES) ALLEN, JR, b. Durham, N.C., Mar. 7, 36; m. 66; c. 2. SOCIOLOGY. A.B. North Carolina, 58, U.S. Pub. Health Serv. fel, 62-63, Ph.D.(sociol), 63; Woodrow Wilson fel, Cornell, 58-59, M.A., 61. Asst. prof. SOCIOL, Washington (Seattle), 63-65; ASST. PROF, TEXAS, AUSTIN, 67- Summer vis. prof, North Carolina, 65-66. U.S.N.R., 54-62. Sociol. Asn. Race and ethnic relations; research methods; social disorganization and deviant behavior; social psychiatry. Publ: Interviewer-responder interaction: a study of bias in the information interview, Sociometry, 64; Regional differences in authoritarianism, 66 & co-auth, Social mobility and job satisfaction: a replication and extension, 67, Soc. Forces. Address: Dept. of Sociology, University of Texas, Austin, Tex. 78712.

WILLIAMS, PROF. JAMES EARL, b. Fonde, Ky, July 16, 22; m. 51. ECONOMICS. B.A. Carson-Newman Col, 49; M.A. Tennessee, 50; univ. grant & Annie Gorham univ. scholar, Wisconsin, 56-58, Ph.D.(labor econ), 61. Instr. econ, Tennessee, 49-50; indust, Wharton Sch, Univ. Pennsylvania, 50-51; budget analyst, gen. mgr. off, Tenn. Valley Authority, 51-52; mkt. rep, Soc. cony-Mobil Oil Co, Pa, 52-54; dir. econ prog, Austin Peay State Col, 54-56; teaching asst, labor econ, Wisconsin, 56-57; from asst. prof. to assoc. prof. econ, Tennessee, 58-65; PROF. ECON. & DIR. HUMAN RESOURCE PROGS, HOUSTON, 66-; ACTING DIR. BUR. BUS. & ECON. RES, 68- Ford Found. res. grant & participant, seminar unemployment, 62; lectr, univs. & indust. rels. groups, Colombia, S.A., 64; dir. south. rural training proj, Off. Manpower, Automation & Training grant, 64; assoc. proj. dir. supply & demand enrgs, scientists & technicians in Latin Am, Nat. Sci. Found. grant, Univ. Houston, 66-67, assoc. proj. dir. off. ed, Dept. Health, Ed. & Welfare proj. teacher orientation inst. probs. relating to desegregation, 66-67, proj. dir. manpower ed. serv, manpower admin, U.S. Dept. Labor proj, 66- & admin. dir. Negro teenage unemployment, study, 67- Consult, various fed, state & local govt. orgn. Mem, President's Inter-agency Cmt. Manpower & Cmt. Counseling Related to Manpower Develop, 55-56; Fed. Inter-agency Cmt. Appalachia, 55-56; adv. cmt. human resources planning, Appalachian Regional Cmn, 56-57; arbit. panel, Fed. Mediation & Conciliation Serv, 60- Dir. div. employ. progs, Off. Econ. Opportunity, D.C., 65-66. U.S.M.C., 42-45, T/Sgt.

Econ. Asn; Indust. Rels. Res. Asn; Acad. Polit. & Soc. Sci; Voc. Asn; Arbit. Asn. Industrial development; programs of Tennessee Valley Authority. Publ: Ed. & contrib, Impact of automation, Inst. Human Resources, Univ. Houston, 66; auth, The economist and human resources development, Inst. Human resources development, Iowa State Univ, 67; Retraining in Tennessee, In: Retraining in the United States, Univ. Wisconsin, 68. Address: Dept. Economics, University of Houston, Houston, Tex. 77004.

WILLIAMS, PROF. JAMES S (TANLEY), b. Coronado, Calif, Oct. 12, 34; m. 56; c. 1. STATISTICS. B.S. Washington State, 55; M.S., Agr. & Mech. Col, Tex, 57; Ph.D.(exp. & math. statist), N.C. State Col, 61. Instr. genetics, Agr. & Mech. Col, Tex, 56-57; statistician, Res. Triangle Inst, N.C., 60-62; PROF. STATIST, COLORADO STATE, 62- Statist. Asn; Biomet. Soc.(secy-treas) West. N.Am. Region, 68-). Theory of statistical inference; multivariate analysis; indexing theory; population genetics. Publ: Some statistical properties of a genetic selection index, Biometrika, 62; The rôle of probability in fiducial inference, Sankhyā, 66; The variance of weighted regression estimators, J. Am. Statist. Asn, 67. Address: Dept. of Statistics, Colorado State University, Ft. Collins, Colo. 80521.

WILLIAMS, DR. JOANNA P, b. Providence, R.I., June 9, 35. PSYCHOLOGY, EDUCATION. A.B. Pembroke Col, Brown, 55; Ed.M. Harvard, 56, summer fel, 60; Fulbright scholar, Paris, 56-57; U.S. Pub. Health Serv. trainee, Yale, 59-61, M.S., 59, Ph.D.(psychol), 61. Res. asst, Yale, 57-59; instr, Bridgeport, 60-61, lectr. grad. sch. ed, Pennsylvania, 61-62, asst. prof, 62-65; ed. res. & prog. specialist, bur. res, U.S. Off. Ed, 65-66; ASSOC. PROF. ED. PENNSYLVANIA, 66- Vis. assoc. prof, Cornell, 66. Psychol. Asn; Soc. Res. Child Develop; Ed. Res. Asn. Human learning and child development; programmed instruction; analysis of the process of reading. Publ: A test of all-or-none hypothesis for verbal learning, J. Exp. Psychol, 64: 158-165; Reading research and instruction, Rev. Ed. Res, 35: 147-153; Combining response modes in programmed instruction, J. Ed. Psychol, 57: 215-219. Address: 226 W. Rittenhouse Square, Philadelphia, Pa. 19103.

WILLIAMS, DR. JOHN B (URR), b. Hartford, Conn, Nov. 27, 00; m. 28; c. 2. ECONOMICS. S.B. Harvard, 23, M.B.A., 25, M.A., 35, Ph.D., 40. Mem. staff, Hayden, Stone & Co, 25-28; investment analyst, Lee Higginson & Co, 28-32; PRACTICING INVESTMENT ANALYST, 32- Prof, Univ. Wisconsin, 64. Am. Econ. Asn; Economet. Soc; Royal Econ. Soc. Investments; international trade; value. Publ: Speculation and the carryover; Theory of investment value; International trade under flexible exchange rates. Address: 30 Lowell Rd, Wellesley Hills, Mass. 02181.

WILLIAMS, DEAN J (OHN) C (LIFTON), b. Roby, Tex, June 19, 28; m. 50. INDUSTRIAL PSYCHOLOGY. A.B. Baylor, 52; M.P.S., Colorado, 54; Ph.D. (indust. psychol), Purdue, 58. Instr. psychol, Baylor, 54-56, asst. prof, 57-58; mgt. consult, Shephard Assocs, 58-59; assoc. prof. psychol, BAYLOR, 59-61, prof, 61-67, chmn. dept, 61-63, DEAN GRAD. SCH, 67-; ADMIN. V.PRES, 68- U.S.M.C., 46-48. Psychol. Asn. Executive selection and development; organizational studies; hospital administration; university administration; research management. Address: Graduate School, Baylor University, Waco, Tex. 76703.

WILLIAMS, PROF. J (OHN) D (ANIEL), b. Salt Lake City, Utah, Jan. 13, 26; m. 46; c. 4. POLITICAL SCIENCE, ECONOMICS. B.A. Stanford, 46; American Univ, 47-48; M.P.A. Harvard, 49, Littauer fel. & Ph.D.(polit. econ, govt), 53. Admin. asst. to dir. legis. reference serv, Library Cong, 46-47, soc. sci. analyst, 50-52; admin. officer, nat. resources task force, Hoover Cmn, 48; instr. POLIT. SCI, UTAH, 52-53, asst. prof, 53-58, from assoc. prof. to PROF, 59- Citizenship Clearing House fel, Democratic Nat. Convention, 60. Consult, Local Govt. Surv. Cmn, Utah, 55-57. Mem. staff, U.S. House Rep. Del. to NATO Parliamentary Conf, France, 56. Public administration; fiscal policy; civil liberties. Publ: Impounding of funds by the Bureau of the Budget; Defeat of home rule in Salt Lake City; Utah's special purpose districts. Address: Dept. of Political Science, University of Utah, Salt Lake City, Utah, 84112.

WILLIAMS, DR. JOHN DELANE, b. Ordway, Colo, Oct. 26, 38; m. 58; c. 1. EDUCATIONAL MEASUREMENT, STATISTICS. B.A. Colo. State Col, 59, M.A., 60; Oregon, 61-62; Ph.D.(ed. measurement res), Colorado State, 66. Teacher, jr. high sch, Calif, 60-61; instr. math. & statist, West. Wyo. Community Col, 62-65; ASST. PROF. STATIST. & ED. RES, NORTH DAKOTA, 66- Co-dir. ed. res. training prog, U.S. Off. Ed, 66- Statist. Asn; Ed. Res. Asn; Math. Asn; Nat. Coun. Measurement in Ed. Research problems as they relate to education; especially teacher negotiations, school and university problems and relationships. Publ: Co-auth, Report of the 1967 pre-session on multivariate design and analysis in educational research: an evaluation, Bur. Ed. Res, Univ. North Dakota, 67; auth, The superintendents role in teacher negotiations in three states, J. Res. Serv, 6: 28-34; co-auth, A potentially useful problem solving technique for educational research: regression, Col. Ed. Record, 52: 131-132. Address: Bureau of Educational Research, University of North Dakota, Grand Forks, N.Dak. 58201.

WILLIAMS, PROF. JOHN E (DWIN), b. Bluefield, W.Va, June 12, 28; m. 48; c. 3. PSYCHOLOGY. B.A. Richmond, 51; M.A. Iowa, 53, U.S. Pub. Health Serv. fel, 52-54, Ph.D.(psychol), 54. Instr. psychol. & psychiat, Yale, 54-55; from asst. to assoc. prof. psychol. & dir. univ. center psychol. serv, Richmond, 55-59; PROF. PSYCHOL. & DIR. CENTER PSYCHOL. SERV, WAKE FOREST, 59- U.S.A., 46-48. Psychol. Asn. Experimental study of personality; counseling and student adjustment; human learning. Publ: Mode of failure, interference tendencies, and achievement imagery, J. Abnorm. & Soc. Psychol; An analysis of speech behavior in groups differing in achievement imagery and defensiveness, J. Personality; Changes in self and other perceptions following brief educational-vocational counseling, J. Counseling Psychol. Address: Dept. of Psychology, Wake Forest University, Winston-Salem, N.C. 27106.

WILLIAMS, PROF. JOHN H (ENRY), b. Wales, June 21, 87. ECONOMICS. A.B. Brown, 12, hon. Sc.D., 35; A.M. Harvard, 16, Ph.D., 19, Sheldon traveling fel, Argentina, 17-18. Asst. prof, Princeton, 19-20; assoc. prof, banking,

Northwestern, 20-21; asst. prof. econ. HARVARD, 21-25, assoc. prof. 25-29, prof. 29-33, Nathaniel Ropes prof. polit. econ. 33-57, dean grad. sch. pub. admin. 37-47, EMER PROF, 57- Westinghouse prof. Italy, 25-26; economist & asst. Fed. Reserve agent, 33-36; econ. adv. Fed. Reserve Bank New York, 33-52, v.pres. in charge res. 36-47, econ. consult. 52-64; assoc. economist, Fed. Open Mkt. Cmt, D.C. 33-52; head Dept. State mission investigate for. exchange probs, Brazil, Argentina & Uruguay, 34; fel. Brown Univ. 41-64, emer. fel. 64- Consult. Dept. Treas. & Dept. State, 30-39; Orgn. European Econ. Coop. Paris, 48, 50; Econ. Coop. Admin. Paris, London & Zurich, 49. Asst. ed. Rev. Econ. Statist. 18-19. Dir. Coun. For. Rels. 35-64, emer. dir. 64-; mem. Econ. Coop. Admin. adv. cmt. on fiscal-monetary probs. 48-51. U.S. del. prep. cmn. World Monetary & Econ. Conf. 32-33. Econ. Asn.(pres. 51); Philos. Soc. Argentine international trade under inconvertible paper money; postwar monetary plans; financing American prosperity. Publ: Economic stability in the modern world; Economic stability in a changing world. Address: 148 Coolidge Hill, Cambridge, Mass. 02138.

WILLIAMS, PROF. JOHN R(ODNEY), b. Detroit, Mich. Nov. 21, 19; m. 52; c. 2. POLITICAL SCIENCE. B.A. Lawrence Col, 44; M.A. Hopkins, 47; Chicago, 47; Ph.D. Duke, 51; London Sch. Econ. 51-52. Instr. Wellesley Col, 47, 48-49; asst. prof. POLIT. SCI. WEST VIRGINIA, 49-56, assoc. prof. 56-61, PROF. & CHMN. DEPT. 61- Fulbright res. grant, Liberal Party Australia, Australian Nat. Univ. 58-60. Am. Polit. Sci. Asn; Can. Econ. Asn; Australian Polit. Studies Asn; Australian Inst. Polit. Sci. Comparative government and political theory; Canadian political parties. Publ: Conservative Party of Canada, 1920-1949; Representation in the House of Commons and the Twenty-First Parliament, Can. J. Econ. & Polit; The emergence of the Liberal Party of Australia, Australian Quart, 3/67. Address: Dept. of Political Science, West Virginia University, Morgantown, W.Va. 26506.

WILLIAMS, PROF. JOHN R(YAN), b. Detroit, Mich. Nov. 21, 19; m. 52; c. 2. POLITICAL SCIENCE. B.A. Lawrence Col, 44; summer, Chicago, 46; M.A. Hopkins, 47; fel. & Ph.D. Duke, 51; London Sch. Econ. 51-52. Instr. POLIT. SCI. Wellesley Col, 47, 48-49; asst. prof. WEST VIRGINIA, 49-56, assoc. prof. 56-61, PROF. & CHMN. DEPT. 61- Fulbright fel. Nat. Univ. Australia, 58-60; vis. prof. Waynesburg Col, 63-64; Pa. State, Uniontown Br. 66-68. Am. Polit. Sci. Asn. Can. Econ. Asn; Australian Polit. Studies Asn; Australian Inst. Polit. Sci. Conservatism and conservative political parties, especially in the Commonwealth of Nations, including the United Kingdom. Publ: Conservative Party of Canada, 1920-1949; British general election of 1951, Parliamentary Affairs; The emergence of the Liberal Party of Australia, Australian Quart, 3/67. Address: 1498 Eastern Ave, Morgantown, W.Va. 26505.

WILLIAMS, PROF. JOSEPH E(ARL), Geog, see 10th ed, Soc. & Behav. Vols.

WILLIAMS, DR. JUSTIN, b. Greenbrier, Ark, Mar. 2, 06; m. 27; c. 2. INTERNATIONAL AFFAIRS, HISTORY. A.B. Ark. State Teachers Col, 26; M.A. Iowa, 28, Ph.D. 33. Prof. hist. & econ. & head dept. soc. studies, Wis. State Col.(River Falls), 28-42; asst. to pres. for res. Univ. Maryland, 62-67; INT. AFFAIRS SPECIALIST, U.S. ARMY INST. LAND COMBAT, 67- U.S.A.F., 42-46, Capt. Hist. Asn. Modern Europe; modern Japanese history. Publ: The Japanese Diet under the new constitution, 10/48 & Making the Japanese constitution: a further look, 9/65, Am. Polit. Sci. Rev; Completing Japan's political reorientation, 1947-1952, Am. Hist. Rev, 6/68. Address: 1613 44th St. N.W., Washington, D.C. 20007.

WILLIAMS, KENNETH B(URDG), b. Brunswick, Maine, Apr. 3, 10. ECONOMICS. A.B. Stanford, 32; Sanders fel. George Washington, 34-35, A.M. 37. Asst. California, Los Angeles, 32-34; asst. economist, Works Prog. Admin. 35-41; chief nat. income, money-flows & labor sect, DIV. RES. & STATIST. FED. RESERVE BD, 41-50, asst. dir. 50-57, assoc. adv. 58-61, ADV. 61- Mem. exec. cmt. Conf. Res. Income & Wealth, Nat. Bur. Econ. Res. 53-56. Fel. AAAS; Asn. Bus. Econ; Finance Asn; fel. Statist. Asn; Econ. Asn; Indust. Rels. Res. Asn. General economic conditions; labor economics; business fluctuations and forecasting; social accounting and national income; labor market and manpower problems; monetary policy. Address: 4816 Cumberland Ave, Chevy Chase, Md. 20015.

WILLIAMS, PROF. LAWRENCE KENNETH, b. Bellows Falls, Vt, Mar. 8, 30; m. 55; c. 1. SOCIAL & INDUSTRIAL PSYCHOLOGY. B.S. Tufts, 52; M.A. Illinois, 54; fel. Michigan, 57-58, Ph.D.(psychol), 60. Asst. study dir, surv. res. center, inst. soc. res. Michigan, 56-57, 58-60, res. study dir, 60-61; asst. prof. INDUST. PSYCHOL. N.Y. STATE SCH. INDUST. & LABOR RELS. CORNELL, 61-64, ASSOC. PROF. 64- Fulbright fel. Peru, 67-68. U.S.A. 54-56, Res. 56- Psychol. Asn; Indust. Rels. Res. Asn. Organizational functioning and change; personality and organization; individual correlates of decision making. Publ: Co-auth. An investigation of the control graph, Soc. Forces; Observations on the dynamics of a change to electronic data processing equipment, Admin. Sci. Quart; auth. Some correlates of risk taking, Personnel Psychol, 63. Address: 412 Highland Rd, Ithaca, N.Y. 14850.

WILLIAMS, DR. MALCOLM J(AMES), b. Hanover Twp, Pa, Mar. 14, 11; m. 41; c. 4. PSYCHOLOGY. B.A. Bucknell, 34, M.A. 35; Ph.D.(ed. psychol), Michigan, 40. Asst. prof. ed. psychol, Mich. State Col, 39-46; personnel psychologist, U.S. Cent. Intel. Agency, 46-47; DIR. ADMISSIONS, U.S. COAST GUARD ACAD, 47- Fel. Michigan, 46-48. Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.A.A.F. 42-45; U.S.P.H.S. 47-, Scientist Dir. Fel. Psychol. Asn; Nat. Coun. Measurement in Ed. Developmental psychology; personnel selection; assessment of leadership potential. Publ: Research on problems regarding operational procedures, In: Aviation psychology program; Child development, In: Collier's encyclopedia. Address: Office of Admissions, U.S. Coast Guard Academy, New London, Conn. 06320.

WILLIAMS, PROF. MARGUERITE THOMAS, Geog, Soc. Sci, see 10th ed, Soc. & Behav. Vols.

WILLIAMS, DR. MARTHA, b. Houston, Tex, June 28, 35; m. 58; c. 3. PSYCHOLOGY, SOCIAL WORK. B.A. Texas, Austin, 57, fel. 60, Nat. Sci.

Found. fel. 60-61, M.A. 62, Ph.D.(psychol), 63. Res. assoc. dept. mgt, TEXAS, AUSTIN, 63-64, eval. coordinator, southwest center law & behav. sci. law sch, 64-66, ASST. PROF. SOC. WORK, 66- AAAS; Psychol. Asn; Coun. Soc. Work Ed. Social psychology; group dynamics; conformity behavior in children; knowledge of and attitudes toward law; intergroup relations. Publ: Co-auth. Modification of children's judgments by a simulated group technique: a normative developmental study, 63 & Age, intelligence and sex as variables in the conformity behavior of Negro and white children, 64, Child Develop; co-auth. A comparison of decision-making performances in established and ad hoc groups, J. Personality & Soc. Psychol, 66. Address: C.P. Hall 215, University of Texas, Austin, Tex. 78712.

WILLIAMS, PROF. MELVIN J(OHN), b. Stovall, N.C. Feb. 13, 15; m. 36; c. 5. SOCIOLOGY. A.B. Duke, 36, B.D. 39, Ph.D. 41. Asst. prof. sociol, Ablon Col, 41-44; prof. & head dept, Wesleyan Col, 44-47; assoc. prof. Fla. State, 47-52; prof. Stetson, 52-63, head dept. 52-59; PROF. SOCIOLOGY & ANTHROPOLOGY, DEPT. EAST CAROLINA, 63- Dir. Nat. Sci. Found. Summer Inst. Sociol, 67. Sociol. Asn; Acad. Polit. & Soc. Sci. Sociology of religion; social values and theory; marriage and family. Publ: Catholic social thought, its approach to contemporary problems; Social norms of adolescents, a study in social guidance; Contemporary social theory. Address: Dept. of Sociology & Anthropology, East Carolina University, Greenville, N.C. 27835.

WILLIAMS, DR. MEYER, b. Detroit, Mich, Jan. 10, 21; m. 42; c. 2. PSYCHOLOGY. B.S. Northwestern, 42, M.S. 46, fel. 47-48, Ph.D.(psychol), 48. Res. psychologist, Northwestern, 46-47; res. dir. Vet. Admin. Hosp, Downey, Ill, 48-53, CHIEF PSYCHOLOGIST, VET. ADMIN. WESTSIDE HOSP, CHICAGO, ILL, 53- Lectr, DePaul, 48-49; Northwestern, 50-52; assoc. Chicago Med. Sch, 54-; assoc. prof. dept. psychiat, col. med, Illinois, 64- Consult, State of Ill. Ment. Health Center, 64- U.S.A.A.F. 42-46. AAAS; Psychol. Asn; Group Psychother. Asn. Psychotherapy; projective diagnostic methods; psychophysiology. Publ: Intellectual control and associated Rorschach factors, J. Consult. Psychol; Psychophysiological responsiveness to stress, Psychosom. Med; Limitations, fantasies and security operations of beginning psychotherapists, Int. J. Group Psychother, 4/66. Address: 3112 Wilmette Ave, Wilmette, Ill. 60091.

WILLIAMS, DR. MOYLE S(TRYHORN), b. N.C. Oct. 23, 21; m. 48. AGRICULTURAL ECONOMICS. B.S. N.C. State Col, 47, M.S. 49; Gen. Ed. Bd. fel. Purdue, 50-51, Ph.D.(agr. econ), 54. Farm mgt. specialist, N.C. State Col, 47-54, specialist in charge exten. farm mgt. & mkt, 54-56; chief agr. econ, Nat. Plant Food Inst, 56-60; dir. econ. res. & treas, Sulphur Inst, 60-63; ASST. DIR. COOP. EXTEN. SERV, ILLINOIS, URBANA, 63- U.S.A. 42-46, Maj. Agr. Econ. Asn. Production economics; agricultural policy; distribution economics. Publ: Economics of fertilizer use in North Carolina; co-auth. Costs of producing farm products; Farming opportunities in North Carolina. Address: Cooperative Extension Service, University of Illinois, 116 N. Mumford Hall, Urbana, Ill. 61801.

WILLIAMS, PROF. MYRON LAWSON, Econ, see 10th ed, Soc. & Behav. Vols.

WILLIAMS, PROF. NED, b. Laurel, Miss, May 21, 17; m. 47; c. 1. BUSINESS FINANCE & MANAGEMENT. B.S.C. Mississippi, 47; M.S. Columbia, 49, univ. study award, 59-60, South. Fund fel, 62-63, Ph.D. 65. Instr. ECON. MISSISSIPPI, 47-48, from asst. prof. to PROF, 49- U.S.A. 42-50, Res. 50-61; Nat. Guard, 61-, Maj. Econ. Asn. Transportation; area development; state and municipal financing of private enterprise. Publ: Planning and paying for safe and adequate highways, Miss. Bus. Address: Dept. of Economics, University of Mississippi, University, Miss. 38677.

WILLIAMS, DR. OLIVER P(ERRY), b. McPherson, Kans, Mar. 14, 25; m. 53; c. 2. POLITICAL SCIENCE. Merriam fel. & Ph.D.(polit. sci), Chicago, 55. Asst. prof. GOVT, Wesleyan, 55-57; Mich. State, 57-60; PENNSYLVANIA, 60-64, assoc. prof. 64-68, PROF. 68-, CHMN. DEPT. 67- Co-investr, U.S. Pub. Health Serv. Res. Proj. Polit. Sci. Asn. State and local government; politics; public law. Publ: Co-ed, Democracy in urban America; Four cities, 63 & Suburban differences and metropolitan policies, 65, Univ. Pennsylvania. Address: 4638 Larchwood Ave, Philadelphia, Pa. 19143.

WILLIAMS, DR. OSBORNE, Psychol, see 10th ed, Soc. & Behav. Vols.

WILLIAMS, DR. PAUL L(EON), b. Friendly, W. Va, Feb. 12, 29; m. 48; c. 4. PSYCHOLOGY. B.S. Northwestern, 51; M.S. Ill. Inst. Tech, 53, Ph.D.(psychol), 66. Staff psychologist, Personnel Lab, Ill., 51-54; testing adminstr, R.R. Donnelley & Sons, Co, 54-56; staff psychologist & consult, Booz, Allen, & Hamilton, 56-58; dir. indust. rels, Chicago Aerial Industs, 58-60; orgn. planning assoc, Mead Johnson & Co, Ind, 60-62; asst. prof. psychol, S.Dak. State, 62-66, assoc. prof. & head dept. 66-67; prof. psychol. & assoc. dean col, YANKTON COL, 67-68, PROF. PSYCHOL. & DEAN COL, 68- Consult, Brookings Area Guid. Center, S.Dak, 63-67. U.S.N. 46-48. Psychol. Asn. Evaluation techniques in education and industry. Publ: Co-auth. Personality characteristics related to managerial success of Eastern South Dakota farm couples, S.Dak. Exp. Sta, 68. Address: Yankton College, Yankton, S.Dak. 57078.

WILLIAMS, PEARL R(AVNER), b. Philadelphia, Pa, July 13, 18; m. 42, 68. ECONOMICS. B.S. Pennsylvania, 39. Labor economist, Nat. War Labor Bd. & Nat. Wage Stabilization Bd, 42-47; labor economist, BUR. LABOR STATIST, 55-60, price economist, 60-67, ECONOMIST, 67- Indust. Rels. Res. Asn; Statist. Asn. Occupational information for vocational guidance; women in the labor force; general price research; wage, price and employment impact of minimum wage changes. Publ: Price perspective, 1965-1967, Bur. Labor Statist, 68; Price trends and the business cycle in the postwar years, Monthly Labor Rev, 61; Psychological barriers to the employment of older women, In: Earnings opportunities for older workers. Address: 5101 River Rd, Apt. 1504, Chevy Chase, Md. 20016.

WILLIAMS, DR. RICHARD, b. Willimantic, Conn, Oct. 10, 33; m. 60; c. 3. EDUCATIONAL PSYCHOLOGY. B.A. Connecticut, 58, M.A. Appalachian State Teachers Col, 59; Ph.D.(ed. psychol, guid, math), Indiana, 64. Teacher,

- elem. sch. Fla. 60-61; asst. prof. psychol. East Carolina Col. 64-66; statist. assoc. statist. anal. div. Ed. Testing Serv. 66-67; ASSOC. PROF. ED. MIAMI (FLA), 67- U.S.A. 53-56. Ed. Res. Asn; Psychol. Asn; Statist. Asn; Psychomet. Soc. Constructing mathematical models of psychological test scores. Publ: Co-auth, Project Head Start, summer 1966: some characteristics of children in the Head Start program (section 1), Ed. Testing Serv. 67, Generalization of the Spearman-Brown formula for test reliability: the case of non-independence of true scores and error scores, Brit. J. Math. & Statist. Psychol. 19: 271-274 & Dependence of test reliability upon heterogeneity of individual and group score distributions, Ed. & Psychol. Measurement, 28: 41-46. Address: Dept. of Educational Psychology, School of Education, University of Miami, Coral Gables, Fla. 33124.
- WILLIAMS, DR. RICHARD H(AYS), b. Pomona, Calif. Feb. 19, 12; m. 53; c. 1. SOCIOLOGY. A.B. Pomona Col. 33; Honnold & Franco-Am. Exchange fells, Bordeaux, France, 33-34; Honnold & Thayer fells, Harvard, 34-35, M.A. 36, Paine fel. 35-36, Ph.D.(sociol.), 38. From instr. to assoc. prof. sociol. & anthrop. Buffalo, 36-45; analyst, Strategic Bombing Surv. U.S. War Dept. 45, chief survs. Wuerttemberg-Baden, Info. Control Div. 45-46; vis. prof. sociol. Paris, 46-48; assoc. dir. col. study intergroup rels, Am. Coun. Ed. 48-49; lectr. & sociologist, Hopkins, 49-51; soc. sci. res. consult.-NAT. INST. MENT. HEALTH, 51-61, chief, prinl. serv. br. 61-64, spec. asst. to dir. 64-65, chief int. activities br. 65-67, ASST. TO DIR. FOR SPEC. PROJS, 67- Dir. bur. indust. psychol. cmn. gen. orgn. sci. Paris, 47-48; assoc. prof. Wayne State, 48-49. Sociol. Asn. Social psychology; sociological theory; comparative social institutions; sociology of the emotions; industrial sociology; behavioral sciences and mental health; psychiatric rehabilitation and the aging. Publ: Co-auth, Psychiatric rehabilitation: problems of research, 64 & Lives through the years, 67, Atherton; Community mental health: an international perspective, Jossey-Bass, Inc. 68. Address: 6017 Cheshire Dr, Bethesda, Md. 20014.
- WILLIAMS, PROF. ROBERT EARL, Ed. Psychol. see 10th ed, Soc. & Behav. Vols.
- WILLIAMS, PROF. ROBERT EDWARD, b. Murfreesboro, Tenn. Aug. 27, 02; m. 42; c. 3. ECONOMICS. A.B. Cumberland, 25; M.A. Alabama, 45; summers, Georgia, 48, Peabody Col. 49, Chicago, 53. Teacher, high schs, Tenn. 25-27, 40-41; Ga. 41-42; Tenn. Indust. Sch. 27-29, 30-37; prin. State Training & Agr. Sch. Tenn. 29-30; instr. soc. sci. Berry Col. 46-48; ASST. PROF. ECON. & HEAD DEPT, JACKSONVILLE STATE, 48- U.S.A. 42-43. Econ. Asn. History; monetary theory; economic theory. Address: Dept. of Economics, Jacksonville State University, Jacksonville, Ala. 36265.
- WILLIAMS, DR. ROBERT I(RVIN), b. Pittsburgh, Pa. Jan. 10, 29; m. 51; c. 3. PSYCHOLOGY. A.B. Earlham Col. 50; M.S. Kentucky, 55, Ph.D. 58. Trainee clin. psychol. Vet. Admin. 54-58; clin. psychologist, Vet. Admin. Hosp. Coatesville, Pa. 58-62; community psychologist, Range Ment. Health Center, Virginia, Minn. 62-65; DIR. AREA PROGS, NORTHWESTERN MENT. HEALTH CENTER, CROOKSTON, 65- U.S.A. 50-52. Psychol. Asn. Publ: The Range Way, Am. Psychologist, 63; Professional deployment in the mental health disaster, J. Community Ment. Health, 65; Verbal conditioning as psychotherapy, Behav. Res. & Therapy, 68. Address: Northwestern Mental Health Center, Crookston, Minn. 56716.
- WILLIAMS, PROF. ROBERT J, b. Buffalo, N.Y. Aug. 22, 29; m. 64; c. 4. BUSINESS ADMINISTRATION, ECONOMICS. B.S. Cornell, 51, M.S. 54, Ph.D.(mkt), 62. Analyst mkt. res. Ford Motor Co. 54-57; asst. prof. MKT, Purdue, 62-66; PROF. & HEAD DEPT, EASTERN MICHIGAN, 66- U.S.A.F. 51-53, Maj; Air Nat. Guard. Mkt. Asn; Agr. Econ. Asn; Econ. Asn. Domestic and international marketing; agribusiness. Publ: Co-auth, Simulation of production-marketing channels, Proc. Am. Mkt. Asn, fall 68. Address: Dept. of Marketing, Eastern Michigan University, Ypsilanti, Mich. 48197.
- WILLIAMS, DR. ROBERT J(OHN), b. New York, N.Y. Jan. 16, 24; m. 51; c. 2. PSYCHOLOGY. A.B. Columbia, 49, A.M. 50, Ph.D. 52. Res. asst. & lectr. psychol. Columbia, 51-52, instr. 52-53, asst. prof. 53-57, assoc. prof. 57-58; v-pres, Alfred Politz Res. Inc. 58-61; dir. mkt. intel. Edward Dalton Co. Mead Johnson & Co. 61-64; MGR. CONSUMER PROD. MKT. RES. DOW CHEM. CO. 64- U.S.A. 42-45. AAAS; Psychol. Asn; Psychomet. Soc; Mkt. Asn; N.Y. Acad. Sci; Inst. Mgt. Sci. Psychometrics and experimental methods; social psychology; consumer behavior. Publ: Projects in psychology; Attitude dimensions in public opinion questionnaire material; Organization of opinion in a heterogeneous adult population. Address: Consumer Products Marketing Research Dept, Dow Chemical Company, Midland, Mich. 48640.
- WILLIAMS, DR. R(OBERT) L(EE), b. Monona, Iowa, Nov. 8, 17; m. 46; c. 3. GEOGRAPHY. Ph.B. Wisconsin, 40; fel. Harvard, 48-49, M.A. 49, Ph.D. 57. DIR. MAP LAB, YALE, 50-, LECTR. CARTOG. 60- Mem. Int. Geog. Union. Asn. Am. Geog. Cong. Surv. & Mapping. Cartography. Address: Map Laboratory, Yale University, New Haven, Conn. 06520.
- WILLIAMS, DR. ROBERT LEE, b. Madisonville, Tenn. Feb. 19, 37; m. 63; c. 1. EDUCATIONAL PSYCHOLOGY. B.A. David Lipscomb Col. 59; M.A. George Peabody Col. 62, Ph.D.(psychol.), 65. ASST. PROF. psychol. W.Ga. Col. 65-67; Ed. PSYCHOL. TENNESSEE, 67- Psychol. Asn. Psychology of learning. Publ: Response strength as a function of pre- and postreward delay and physical confinement, J. Exp. Psychol., 67; Cognitive and affective components of Southern Negro students' attitude toward academic integration, J. Soc. Psychol., 68; co-auth, Self concept and school adjustment, Personnel & Guid. J., 68. Address: College of Education, University of Tennessee, Knoxville, Tenn. 37916.
- WILLIAMS, PROF. ROBIN M(URPHY), JR, b. Hillsboro, N.C. Oct. 11, 14; m. 39; c. 3. SOCIOLOGY. B.S. N.C. State Col. 33, M.S. 35; Cornell, 35-36; Austin fel. Harvard, 38-39, A.M. 39, Ph.D. 43. Asst. rural sociologist, N.C. State Col. 36-38; instr. & res. asst. Kentucky, 39-42; assoc. prof. sociol. CORNELL, 48-48, prof. 48-67, HENRY SCARBOROUGH PROF. SOC. SCI., 67-, dir. soc. sci. res. center, 49-54. Statistician, res. br. U.S. Dept. War,
- 42-43; sr. statist. analyst, 43-46. Mem. adv. cmt. soc. sci. Nat. Sci. Found. 67- Sociol. Asn.(1st v-pres, 55-56, pres, 57-58); Rural Sociol. Soc; Philos. Soc. Military organization; intergroup relations; values. Publ: American society; co-auth, American soldier; auth, Strangers next door, Prentice-Hall, 64. Address: Dept. of Sociology, Cornell University, 102 McGraw Hall, Ithaca, N.Y. 14850.
- WILLIAMS, DR. ROGER JOHN, b. Chicago, Ill. May 3, 18; m. 46; c. 3. ECONOMIC. B.A. Reed Col. 39; Stanford, 39-41; summer, Texas, 46; Ph.D. (econ), Columbia, 59. Asst. indust. analyst, War Prod. Bd. 41-42; instr. econ. & statist. Rochester, 48-51; res. assoc. subsidy res. Brookings Inst, 52-53; economist, Cmnn. For. Econ. Policy, 53; asst. prof. econ. & statist., Baldwin-Wallace Col. 54-56; economist, Union Carbide Corp. 56-60; mgr. bus. res. Luria Bros. & Co. 60-63; ECONOMIST, Investors Mgt. Co. 63-65; STANDARD & POOR'S, 65- U.S.A.A.F. 42-45, Sgt. Econ. Asn; Statist. Asn; Asn. Bus. Econ. Economic theory; business fluctuations; investments; stock market; government and the economy. Address: 425 Topping Hill Rd, Westfield, N.J. 07090.
- WILLIAMS, PROF. SHELDON WARD, b. New York, N.Y. Aug. 30, 11; m. 36; c. 8. AGRICULTURAL ECONOMICS. B.S. Cornell, 32, Ph.D.(farm mgt), 41; M.S. Vermont, 34. Instr. agr. econ. Vermont, 38-42, asst. prof. 42-47, assoc. prof. 47; Auburn, 47-50, prof. 50-52; assoc. prof. DAIRY MKT, ILLINOIS, URBANA, 52-62, PROF. 62-; FED-STATE COOP. AGENT AGR. ECON, U.S. DEPT. AGR. 52- Dairy farm management; marketing of dairy products. Publ: Co-auth, Disposing of surplus fluid milk in midwestern markets, Ill. Agr. Exp. Sta. Bull. 664, 9/60; auth, Costs and returns to Alabama milk distributors, Ala. Agr. Exp. Sta. Bull. 287, 6/53; co-auth, Organization and competition in the midwestern dairy industries, Iowa State Univ. 68. Address: Dept. of Agricultural Economics, 305 Mumford Hall, University of Illinois, Urbana, Ill. 61801.
- WILLIAMS, DR. SIMON, b. New York, N.Y. Aug. 19, 13; m. 36; c. 2. INDUSTRIAL RELATIONS. B.S. Syracuse, 35, Ph.D.(wood tech), 39; M.F. Washington (Seattle), 36; fel. Harvard, 49-50, Ed.M. 60. Res. technologist & assoc. dir. cotton res. bur. indust. chem. Texas, 39-43; dir. res. Nat. Cotton Coun. Am. 43-45; assoc. dir. res. Fabric Res. Lab, Inc. 46; chmn. div. biol. sci. Farragut Col. 46-47; dean, Lowell Textile Inst. 47-49; vis. lectr. ed. Harvard, 50-52; lectr. ed. theory, Boston, 52-53; dir. res. Dudley-Anderson-Yutzy, 53-61; mem. sr. staff econ. develop. sect. Arthur D. Little, Inc. 61-66; ASSOC. DIR. MKT. INT. MKT. INST. 66- Consult, Arthur D. Little, Inc. 64-; Agribus. Res. Inst, Inc. 68. Mem. bd. dirs. Projs. Int. Inc. 64- Soc. Int. Develop. Industrial development in underdeveloped countries; feasibility studies; development of technical manpower in emerging societies; agribusiness development through private investment in rural areas, worldwide, creating joint ventures with groups of small scale farmers. Publ: Private investment in world agriculture, Harvard Bus. Rev. 11-12/65. Address: International Marketing Institute, 16 Garden St, Cambridge, Mass. 02138.
- WILLIAMS, DR. STANLEY B, b. Princeton, W.Va. Dec. 29, 25; m. 46; c. 2. SOCIOLOGY, ANTHROPOLOGY. B.S. Concord Col. 52; M.A. West Virginia, 53; Tennessee, 59-61; Ph.D.(family sociol), Fla. State, 67. Head dept. SOCIOL, Lincoln Mem. Univ. 55-57, 59-60; instr. Fla. State, 57-58; ASSOC. PROF. & HEAD DEPT, CHATTANOOGA, 61- Mem. Coun. Soc. Work Ed. U.S.A. 44-45. Sociol. Asn; Nat. Coun. Family Rel. Delinquency and disorganization; child rearing practices in the southern Appalachians. Publ: Delinquency and disorganization in three coal communities. Address: Dept. of Sociology, University of Chattanooga, Chattanooga, Tenn. 37403.
- WILLIAMS, PROF. STANLEY B(URDG), Exp. Psychol. see 11th ed, Phys. & Biol. Vols.
- WILLIAMS, PROF. STEPHEN, b. Minneapolis, Minn. Aug. 28, 26. ANTHROPOLOGY. B.A. Yale, 49, Ph.D.(anthrop), 54; M.A. Michigan, 50. Asst. anthrop. Yale Peabody Mus. 50-52; res. fel. N.Am. archaeol. PEABODY MUS, HARVARD, 55-58, asst. curator, 58-62, curator, 62-67, ACTING DIR. 67-, PROF. ANTHROP, UNIV, 67-, asst. prof. 58-62, assoc. prof. 62-67. Nat. Sci. Found. fel. 55-57. Fel. Anthropol. Asn; Soc. Am. Archaeol. North American archaeology and ethnography; archeology of the lower Mississippi valley; geological and ecological relationships of archaeology. Publ: The aboriginal location of the Kadohodocho and related tribes, In: Explorations in cultural anthropology, McGraw, 64; co-auth, An outline of southeastern United States prehistory with particular emphasis on the Paleo-Indian Era, Princeton Univ. 65; ed, The Waring papers: the collected works of Antonio J. Waring, Jr, Harvard Peabody Mus. Papers, Vol. 58, 67. Address: Peabody Museum, Harvard University, 11 Divinity Ave, Cambridge, Mass. 02138.
- WILLIAMS, PROF. THOMAS T(HACKERY), b. Roanoke Rapids, N.C. Mar. 13, 25; m. 52; c. 2. AGRICULTURAL ECONOMICS, MARKETING. B.S. Agr. & Tech. Col. N.C. 48; M.S. Illinois, 49; Ph.D. Ohio State, 55. Instr. econ. Tuskegee Inst. 49-52; asst. Ohio State, 53-55; instr. AGR. ECON, SOUTHERN UNIV, 55-56, asst. prof. 56-59, assoc. prof. 59-60, PROF. & HEAD DEPT, 60- Fel. Case, 58; Econ. Found. fel. 62; Fulbright fel. col. agr. Malaysia, 67; mkt. specialist, Ford Found. Coop. Develop. Prog. 67-68. Consult, Prinl. Agr. Workers Conf, 49-62; Wash. Parish Farm Coop, 55. Econ. Asn; Agr. Econ. Asn. Consumer preference studies; marketing practices of relatively small scale farmers; vertical integration in the production and marketing of vegetables. Publ: Contract vegetable marketing; Estimated production cost for okra; The Sungai Merab state land development scheme. Address: Box 9864, Southern University, Baton Rouge, La. 70813.
- WILLIAMS, DR. T(IMOTHY) ALDEN, b. Charlotte, N.C. Nov. 16, 32; m. 62; c. 2. POLITICAL SCIENCE. A.B. Davidson Col. 54; Ph.D.(polit. sci), North Carolina, 64. Reporter & ed, United Press Int. 58-61; res. fel. & assoc. dir. soc. sci. prof. Mershon Center Ed. in Nat. Security, Ohio State, 64-66; vis. asst. prof. POLIT. SCI, grad. sch. int. studies, Denver, 66-67; ASSOC. PROF. KANSAS STATE, 67- Vis. asst. prof. Northern Iowa, summer, 66. Consult, U.S. Air Force Off. Sci. Res. 65-66. Final report ed, U.S. Air Force Acad. Assembly, 67, 68. U.S.A. 54-58, 1st Lt. Polit. Sci. Asn; Int. Studies Asn; Int. Peace Res. Asn. International political communication; inter-

national defense strategy; comparative national security policy; comparative security establishments; civilian-military relations; western Europe; Germany. Publ: Co-auth, Arms, science, and politics: essays on nuclear weapons proliferation, Merishon Nat. Security Center, 68 & auth, The warrior unhorsed: politics of large-scale officer retirement, (in prep), Ohio State Univ. Address: 1829 Alabama Lane, Manhattan, Kans. 66502.

WILLIAMS, TYLER E, JR, b. Chicago, Ill, July 10, 26; m. 49; c. 7. INDUSTRIAL ENGINEERING, OPERATIONS ANALYSIS. B.S. Ill. Inst. Tech, 51, M.S. 56. Mem. indust. eng. staff, Am. Gage & Mach. Corp, Ill, 52-54; sr. indust. engr, Bendix Aviation Corp, Iowa, 54-55; spec. asst. for control, Army Mgt. Eng. Agency, Rock Island Arsenal, Ill, 55-63; mem. sr. prfnl. staff, off. mgt. & orgn, Off. Secy. Commerce, Wash, D.C. 63-65; DEP. CHIEF, MGT. SYSTS. RES. & DEVELOP, OFF, COMPTROLLER OF ARMY, HQ, DEPT. ARMY, 65- Prof. lectr, sch. bus. admin, George Washington, 63- Award, Chief Naval Ops, 62; hq, Dept. Army, 66. U.S.N. 44-47, Res, 47-, Comdr. AAAS; Inst. Indust. Eng; Soc. Eng. Ed; Inst. Mgt. Sci; Soc. Gen. Sys. Res. Management planning and control systems; design, evaluation and research. Publ: Re-evaluation of Army reorganizations, Defense Document Center, U.S. Dept. Defense, 5/67. Address: Office, Comptroller of the Army, Dept. of the Army, Pentagon, Washington, D.C. 20310.

WILLIAMS, DR. VIRGIL, b. Sweetwater, Tex, Aug. 21, 26; m. 50. SOCIOLOGY. B.A. Texas, 55, M.A. 56, fel, 59, Ph.D.(sociol), 60; Indiana, 58-57. Assoc. econ, Indiana, 60. Asst. prof. ins, Indiana, 60-64; assoc. prof. econ, Kentucky, 64-65; economist, RES. & PLANS DIV, OFF. RES. PLANS, ASSOCS. PROF, 65-66; LA. STATE, 66- U.S.A. 51-53. Sociol. Asn. Political sociology; social movements; complex organizations; small groups. Publ: Bureaucratic proliferation: a theoretical approach, Am. J. Econ. & Sociol, 7/63; Leadership types, role differentiation and system problems, Soc. Forces, 3/65. Address: Dept. of Sociology, Louisiana State University, Baton Rouge, La. 70803.

WILLIAMS, DR. WALTER, b. Houston, Tex, Dec. 13, 32; m. 58; c. 2. ECONOMICS. B.B.A. Texas, 55, M.B.A. 56; fel, Vanderbilt, 57-58; fel. & Ph.D. (econ), Indiana, 60. Asst. prof. ins, Indiana, 60-64; assoc. prof. econ, Kentucky, 64-65; economist, RES. & PLANS DIV, OFF. RES. PLANS, ASSOCS. PROF, 65-66; LA. STATE, 66- U.S.A. 51-53. Sociol. Asn. Political sociology; social movements; complex organizations; small groups. Publ: Bureaucratic proliferation: a theoretical approach, Am. J. Econ. & Sociol, 7/63; Leadership types, role differentiation and system problems, Soc. Forces, 3/65. Address: Dept. of Sociology, Louisiana State University, Baton Rouge, La. 70803.

WILLIAMS, DR. WALTER C(HARLES), Psychol, see 10th ed, Soc. & Behav. Vols.

WILLIAMS, PROF. WILBUR A(LLEN), b. Grand Rapids, Mich, Dec. 6, 19; m. c. 1. EDUCATIONAL PSYCHOLOGY. B.S. Michigan, 43, M.A. 48, Ph.D. (child develop), 52. Instr. psychol, Eastern Michigan, 48-52; asst. prof. tests & measurements, 52-53; assoc. prof. ed. psychol, 53-57; prof. human develop, 57; registr, Moorhead State Col, 57-59, acad. dean & prof. ed. & psychol, 59-64, PROF. ED. EASTERN MICHIGAN, 64- U.S.A. 43-46. Psychol. Asn; Soc. Res. Child Develop; Ed. Res. Asn; Nat. Coun. Measurement in Ed. Child growth and development; educational measurements and evaluations. Address: Dept. of Education, Eastern Michigan University, Ypsilanti, Mich. 48197.

WILLIAMS, DR. WILLARD F, b. Soda Springs, Idaho, Oct. 1, 21; m. 45; c. 5. AGRICULTURAL ECONOMICS. B.S. Oregon State, 47; M.S. California, 48; Ph.D. Purdue, 52. Mkt. economist, bur. mkt. State Dept. Agr, Calif, 52-53; sr. agr. economist, Fed. Reserve Bank, San Francisco, 53-55; agr. economist, mkt. econ. res. div, U.S. Dept. Agr, 55-58, head mkt. econ. & statist. sect, 58-59; prof. AGR. ECON, Okla. State, 60-63; CHMN. DEPT. TEX. TECH. COL, 63- Consult, mkt. econ. div, U.S. Dept. Agr, 63-64, For. Agr. Serv, 64 & 67; Nat. Cmn. Food Mkt, 64-65; U.S. Agency Int. Develop, Dept. State, Brazil, 67; Presidential Task Force Agr. Bargaining, 67. U.S.A.A.F. 43-45, 1st Lt; Distinguished Flying Cross. Agr. Econ. Asn. Analysis of marketing agreement and order programs; livestock and meat marketing research; market structure research; costs and margins analysis. Publ: Sr. auth, Economics of the livestock and meat industry, Macmillan, 64; auth, Structure and conduct of the commercial cattle feeding industry, Nat. Cmn. Food Mkt, 6/66; Toward improved performance in agricultural marketing research, J. Farm Econ, Vol. 48: 3, part II, 8/66. Address: Dept. of Agricultural Economics, Texas Technological College, Lubbock, Tex. 79409.

WILLIAMS, PROF. WILLIAM APPLEMAN, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WILLIAMS, DR. W(ILLIAM) H(OWARD), Math, Statist, see 11th ed, Phys. & Biol. Vols.

WILLIAMS, PROF. WILLIAM VINCENT, b. Chicago, Ill, June 15, 30; m. 53; c. 4. ECONOMICS. A.B. Cornell Col, 54; Ph.D.(econ), Colorado, 61. Asst. to tax auditor, Denver div, Standard Oil Co. Ind, 54-58; teaching fel. ECON, Colorado, 58-61; from asst. prof. to PROF. & CHMN. DEPT. HAMLIN, 61- Res. assoc, Upper Midwest Econ. Study, 62; Fulbright res. scholar, Seminar Egyptian Civilization, Cairo, 65. Consult, North Star Res. & Develop. Inst, 63- Econ. Asn; Nat. Tax Asn. Public finance; economic development. Publ: Co-auth, Factors influencing the economic growth rate of the midwestern states, North Star Res. & Develop. Inst, 64; auth, The changing progressivity of the federal income tax, Nat. Tax J, 12/64; A measure of the impact of state and local taxes on industry location, J. Regional Sci, 5/67. Address: Dept. of Economics, Hamline University, St. Paul, Minn. 55101.

WILLIAMSON, DR. DONALD G(RAY), b. Rochester, N.Y, Jan. 8, 23; m. 50; c. 2. AUDIOLOGY, SPEECH PATHOLOGY. B.A. Wayne State, 50, M.A. 51;

Ph.D.(speech), Mich. State, 60. Hearing consult, Mich. Dept. Health, 51-52; dir. speech path, Spartanburg Speech Correction Sch, S.C. 52-54; instr, St. Cloud State Col, 54-57; asst. audiol, Mich. State, 57-60; asst. prof. SPEECH PATH. & AUDIOL, MISSOURI, COLUMBLA, 60-66, ASSOC. PROF, 66- U.S.A.A.F. 42-45, S/Sgt. Speech & Hearing Asn. Clinical audiology and teaching; psychology. Address: 122 Parker Hall, University of Missouri, Columbia, Mo. 65201.

WILLIAMSON, DEAN EDMUND G(RIFFITH), b. Roseville, Ill, Aug. 14, 00; m. 28; c. 3. PSYCHOLOGY. A.B. Illinois, 25; Ph.D.(psychol), Minnesota, 31. Asst. psychol, MINNESOTA, MINNEAPOLIS, 26-29, asst. prof, 30-38; assoc. prof, 38, coordinator student personnel servs, 38-41, PROF. PSYCHOL. & DEAN STUDENTS, 41-, dir. univ. testing bur, 32-38. Fulbright lectr, Tokyo, 55; Asia Found. lectr, Japan Voc. Guid. Asn, Tokyo & consult, Taiwan & Ceylon, 67. Sci. consult, U.S. Dept. Commerce mission to Germany, 46. Chmn, Am. Ed. Cmt. Student Personnel Work, 43-52; Cmt. Japanese Univ. Counseling Proj, 51-; adv. cmt, U.S. Armed Forces Inst, 42-46; Disabled Am. Vet. Proj, Am. Coun. Ed, 46-48; counseling serv. voc. rehab. & ed, Vet. Admin, 50- Psychol. Asn; Personnel & Guid. Asn.(pres, 67). Student personnel; psychological testing; evaluation of college counseling. Publ: Student personnel services in colleges and universities; ed, Minnesota library of student personnel work; Studies in student personnel work. Address: Dept. of Psychology, University of Minnesota, Minneapolis, Minn. 55455.

WILLIAMSON, PROF. HAROLD F(RANCIS), b. Kansas City, Kans, Mar. 21, 01; m. 32; c. 2. ECONOMICS. A.B. Southern California, 24, A.M. 26; Ph.D. Harvard, 36. Instr. & tutor, Harvard, 30-32, 34-39; instr, Mass. Inst. Tech, 30-31, 33-34; lectr, Bentley Sch. Acct. & Finance, 32-35; asst. prof, ECON, Yale, 39-42, assoc. prof, 42-48; PROF. NORTHWESTERN, 48- Econ. Asn.(secy-treas, 62-); Econ. Hist. Asn. Economic development; business history. Publ: Winchester, the gun that won the West; ed. & contrib, Growth of the American economy; co-auth, The American petroleum industry, Northwestern Univ, 59, 63. Address: Dept. of Economics, Northwestern University, Evanston, Ill. 60201.

WILLIAMSON, DR. JEFFREY G(ALE), b. New Haven, Conn, Nov. 26, 35; m. 58; c. 2. ECONOMICS. B.A. Wesleyan, 57; M.A. Stanford, 59, Ph.D. 61. Asst. prof. ECON, Vanderbilt, 61-63; WISCONSIN, MADISON, 63-64, ASSOC. PROF, 64- Am. Econ. Asn; Economet. Soc; Econ. Hist. Asn; Royal Econ. Soc. International trade; economic history; economic growth and development. Publ: American growth and the balance of payments, Univ. North Carolina, 64; International trade and United States economic development: 1827-1843, J. Econ. Hist; Determinants of investment behavior: U.S. railroads, 1872-1941, Rev. Econ. & Statist, 5/66. Address: Dept. of Economics, University of Wisconsin, Madison, Wis. 53706.

WILLIAMSON, DR. JOHN PETER, b. Toronto, Ont, Dec. 8, 29; U.S. citizen; m. 57; c. 3. BUSINESS ADMINISTRATION, LAW. B.A. Toronto, 52; M.B.A. Harvard, 54, LL.B. 57, D.B.A. 61. Asst. prof. bus. admin, bus. sch, Harvard, 57-61; assoc. prof, Amos Tuck Sch, Dartmouth Col, 61-64; law, faculty, Toronto, 64-65; BUS. ADMIN, AMOS TUCK SCH, DARTMOUTH COL, 65-66, PROF, 66- Securities legislation, taxation; techniques in investment analysis. Publ: Securities regulation in Canada, Univ. Toronto, 60; Contracts: business and law cases, Prentice-Hall, 63; Taxation of United States private investment in Canada, Can. Tax Found, 63. Address: Amos Tuck School, Dartmouth College, Hanover, N.H. 03755.

WILLIAMSON, DR. K(OSSUTH) M(AYER), b. Lower Peach Tree, Ala, Oct. 29, 91. ECONOMICS. A.B. Alabama, 13; A.M. Harvard, 15, Ph.D. 20. Instr, Mass. Inst. Tech, 19-20; asst. prof. ECON. & SOC. SCI, WESLEYAN, 20-21, assoc. prof, 21-22, prof, 22-59, EMER. PROF, 59- Econ. Asn. Public finance; taxation. Address: Filley Rd, Haddam, Conn. 06438.

WILLIAMSON, DR. OLIVER EATON, b. Superior, Wis, Sept. 27, 32; m. 58; c. 5. ECONOMICS. S.B. Mass. Inst. Tech, 55; M.B.A. Stanford, 60; Ph.D. (econ), Carnegie-Mellon Univ, 63. Proj. engr, U.S. Govt, 55-58; asst. prof. ECON, California, Berkeley, 63-65; ASSOC. PROF, PENNSYLVANIA, 65- Spec. econ. asst, antitrust div, U.S. Dept. Justice, 66-67, consult, 67- Consult, Mayor's Adv. Task Force on CATV & Telecommun, New York, 67- Ford Found. award, 63. Econ. Asn. Industrial organization; economics of public services. Publ: The economics of discretionary behavior: managerial objectives in a theory of the firm, Prentice-Hall, 64; Hierarchical control and optimum size firm, J. Polit. Econ, 4/67; Economics as an antitrust defense: the welfare trade offs, Am. Econ. Rev, 5/68. Address: Dept. of Economics, University of Pennsylvania, Philadelphia, Pa. 19104.

WILLIAMSON, PROF. RALPH L(EROY), b. Chariton, Iowa, Feb. 11, 00; m. 25; c. 3. SOCIOLOGY. B.S. Iowa State Col, 25; S.T.B. Boston, 30; M.S. Cornell, 40; fel, Drew, 48-50, Ph.D.(sociol. & rural church), 51. Exec. secy, rural church inst, Cornell, 38-53; prof. sociol. & rural church & exec. secy. town & country work, Dakota Wesleyan, 53-57; PROF. TOWN & COUNTRY CHURCH & ADMIN. ASST. TO PRES, INTERDENOMINATIONAL THEOL. CENTER, 57- Fel. Sociol. Asn; Rural Sociol. Soc; Soc. Study Social Issues. Town and country church and community. Publ: Federated churches: a study of success and failure. Address: Dept. of Town & Country, Interdenominational Theological Center, 671 Beckwith St. S.W., Atlanta, Ga. 30314.

WILLIAMSON, PROF. RENE DE VISME, b. Chicago, Ill, May 28, 08. POLITICAL SCIENCE. A.B. Rutgers, 31; univ. scholar, Harvard, 31-32, univ. fel, 32-33, A.M. 32, Goodwin Mem. fel, 34-35, Ph.D. 35. Instr. polit, Princeton, 35-37; assoc. prof. polit. sci, Davidson Col, 37-38, 43-44; Beloit Col, 44-45; prof, Tennessee, 45-54; PROF. GOVT, LA. STATE, 54-, chmn. dept, 54-61. Ed, J. Polit, 49- Polit. Sci. Asn. Political theory; United States and the Hispanic world; fascist concept of representation. Publ: Independence and involvement, La. State, 64. Address: Dept. of Government, Louisiana State University, Baton Rouge, La. 70803.

WILLIAMSON, DEAN RICHARD L(AVERNE), b. Corning, N.Y, Apr. 15, 16; m. 38; c. 4. ACCOUNTING. B.A. Cornell, 38; M.B.A. Northwestern, 51; D.B.A. Indiana, 56. Asst. instr. acct, Cornell, 38-39, clerk, dept. bldgs. &

- grounds, 40-42; group leader, material control dept. & traveling auditor contract terminations, Bell Aircraft Corp, 42-45; mem. staff acct, Colo. Fuel & Iron Corp, 45-46; instr. econ, Buffalo, 46; from instr. to asst. prof. econ. & bus. admin. & dir. dept, Wheaton Col, 46-53; teaching assoc, sch. bus, Indiana, 53-55; asst. prof. acct, Bowling Green State, 55-56; prof. & assoc. dean, grad. sch. bus. admin, Southern California, 56-67, chmn. faculty adv. cmt, computer sci. lab. for ed. & res; PROF. ACCT. & DEAN, COL. BUS. ADMIN. LOYOLA (CALIF), 67- Am. Acct. Asn; Nat. Asn. Acct; Econ. Asn. Cost; control; budgeting; systems; business computers; taxation. Publ: Salesmanship for the Christian bookstore. Address: College of Business Administration, Loyola University of Los Angeles, 7101 W. 80th St, Los Angeles, Calif. 90045.
- WILLIAMSON, DR. ROBERT B(URNS), b. College Station, Tex, Nov. 23, 23; m. 50; c. 3. ECONOMICS. B.A. Texas, 47; M.A., George Washington, 51; Ph.D.(econ), American Univ, 58. Instr. econ, N.C. State Col, 48-49; economist, Rural Electrification Admin, D.C., 50-55; Fed. Reserve Bank of Dallas, 55-60; Tex. Elec. Serv. Co, 60-63; ASSOC. PROF. FINANCE & SOC. SCI. RES. ASSOC, BUR. BUS. RES, TEXAS, AUSTIN, 63- U.S.A., 43-46. Econ. Asn; Finance Asn; Statist. Asn; Regional Sci. Asn; Soc. Int. Develop. Area and regional economic development; national income changes; international finance and development. Publ: The Lower Rio Grande Valley of Texas: economic resources and growth prospects to 1983-84, 66, co-auth, A study of food prices and related factors: a joint report to Governor John B. Connally, 66 & auth, Alpine, Texas: capital of the Big Bend Country, 67, Bur. Bus. Res, Univ. Texas. Address: Dept. of Finance, University of Texas, Austin, Tex. 78712.
- WILLIAMSON, PROF. ROBERT C(LIFFORD), b. Los Angeles, Calif, Apr. 25, 16; m. 53; c. 2. SOCIOLOGY. B.A. California, Los Angeles, 38, M.A., 40; Ph.D.(sociol), Southern California, 51. Prof. sociol. & sociol. Los Angeles City Col, 46-61; Fulbright lectr, Nat. Univ. Colombia, 61; vis. assoc. prof. sociol, Haverford Col, 62-63; PROF. SOCIOL. & CHMN. DEPT. SOC. RELS, LEHIGH, 63- Smith-Mundt lectr, Nat. Univ. El Salvador, 58; lectr, Southern California, 59-61; Soc. Sci. Res. Coun. summer grant, 60; Fulbright prof, Cath. Univ. Chile, 67-68. U.S.A.A.F., 42-45. Sociol. Asn; Psychol. Asn; Nat. Coun. Family Rels. Social psychology; Latin American studies; marriage and the family. Publ: Co-auth, Social psychology, 3rd ed, Ronald, 66; Marriage and family relations, Wiley, 66; El Esudiante Colombiano y Sus Actitudes, Monografia Sociologicas, Nat. Univ. Colombia, 62. Address: Dept. of Social Relations, Lehigh University, Bethlehem, Pa. 18015.
- WILLIAMSON, PROF. ROBERT G(ORDON), b. Washington, D.C., Mar. 22, 18; m. 45; c. 2. PSYCHOLOGY. B.S. Wilson Teacher Col, 39; Ed.M. Maryland, 46, Ed.D. 56. Teacher, pub. schs, D.C., 42-46; assoc. prof. chem, D.C. TEACHERS COL, 46-57, PROF. PSYCHOL, 57-, CHMN. DIV. ED. & PSYCHOL, 65- Dir, Nat. Defense Ed. Act Inst. Teachers of Disadvantaged Youth, 65-68. U.S.A., 42-46, Res, 46-, Col. Psychol. Asn. Theory of learning; human growth and development; disadvantaged youth; teacher preparation. Address: Division of Education & Psychology, District of Columbia Teachers College, 11th & Harvard Sts. N.W. Washington, D.C. 20009.
- WILLIAMSON, DR. S(T) J(OHN), JR, b. Palestine, Tex, Aug. 10, 12; m. 36. PSYCHOLOGY. B.S. Hampton Inst, 35; M.A. Iowa, 42, Ph.D.(psychol), 48. LECTR. PSYCHOL, DRAKE, 52-; CHIEF PSYCHOL. SERV, VET. ADMIN. CENTER, 63- Mem. state adv. cmt, U.S. Civil Rights Cm'n, 60- U.S.N.R., 42-45. AAAS; Psychol. Asn. Learning; psychotherapy. Publ: Behavioral concepts: what they are, principles, Mich. State Univ. Sch. Nursing, 60; Psycho-social evaluation of older clients, Inst. Geront, Univ. Iowa, 61. Address: Veterans Administration Center, Des Moines, Iowa 50308.
- WILLIAMSON, W(ILLIAM) RULON, b. Wales, N.Y., July 1, 89; m. 17; c. 2. ACTUARIAL SCIENCE. A.B. Wesleyan, 09, A.M., 10. Actuarial clerk, Travelers Ins. Co, 10-15, asst. actuary, 16-36; consult, Wyatt Co, 43-54, pres, 47-48; RES. ACTUARY, 55- Consult, Cmt. Econ. Security, 34-35; Soc. Security Bd, 36-47; Inst. Guatemalteco de Seguridad Soc, 47-48; Hook Cmn. Serv. Pay, 48; Blue Cross & Blue Shield Cmn, 48-49. Soc. Actuaries; Econ. Asn; Am. Geog. Soc; Pop. Asn; fel. & assoc. Casualty Actuarial Soc; Acad. Actuaries. Social budgeting; actuarial problems; insurance. Publ: Employee retirement plans; co-auth, Employee insurance plans; contrib. Pensions, problems and trends. Address: 3400 Fairhill Dr. S.E., Washington, D.C. 20023.
- WILLIE, DR. CHARLES V(ERT), b. Dallas, Tex, Oct. 8, 27. SOCIOLOGY. A.B. Morehouse Col, 48; M.A. Atlanta, 49; Ph.D.(sociol), Syracuse, 57. Res. sociologist, State Ment. Health Cmn, N.Y., 51-52; instr. sociol, Syracuse, 52-55; pub. health & prev. med, col. med, State Univ. N.Y., 55-60; asst. prof. SOCIOL, SYRACUSE, 60-64, ASSOC. PROF, 64-, CHMN. DEPT, 67- Vis. lectr, dept. psychiat, Harvard Med. Sch, 66-67; Episcopal Theol. Sch, 66-67. Res. dir, President's Cmt. Juvenile Delinquency Proj, Wash, D.C., 62-64. Mem. N.Y. State Cmt. White House Conf. Aging, 60-61; exec. coun, Episcopal Church, 66-, consult, nat. urban prog, 65-; del. World Conf. Church & Soc, Switz, 66; participant, White House Conf. Civil Rights, 66. Fel. Sociol. Asn; Pub. Health Asn; Soc. Study Social Probs. Urban social problems; community organization and development; medical sociology; research studies in welfare, poverty, juvenile delinquency, educational inequality, infant mortality and community organization; social ecology. Publ: Co-auth, Public affairs: agenda for philanthropy, Maxwell Sch, Syracuse Univ, 67; Racial, ethnic and income factors in the epidemiology of neonatal mortality, Am. Soc. Rev, 8/62; auth, The relative contribution of family status and economic status to juvenile delinquency, Soc. Probs, winter 67. Address: Dept. of Sociology, Syracuse University, Syracuse, N.Y. 13210.
- WILLINGHAM, DR. WARREN W(ILLCOX), b. Rome, Ga, Mar. 1, 30; m. 54; c. 3. PSYCHOLOGY. B.S. Ga. Inst. Tech, 52; Ph.D.(psychol), Tennessee, 55. Res. assoc, Naval Sch. Aviation Med, 56-59; World Book Co, 59-60; dir. eval. studies, Ga. Inst. Tech, 60-64, DIR. RES, COL. ENTRANCE EXAM. BD, 64- Mem. nat. adv. cmt, proj. SCOPE, Univ. California, 66-; standing cmt. res, Ed. Testing Serv, 67- U.S.N., 55-59, Lt. Fel. Psychol. Asn; Ed. Res. Asn; Nat. Coun. Measurement in Ed. Educational measurement; applied statistical methodology; education research and institutional planning; evaluation of educational programs; student abilities and interests as a national resource. Publ: On the identification of halo through analysis of variance, Ed. Psychol. Measurement; Evaluation of relative achievement, Am. Ed. Res. J, 64; Research and development: a report to the trustees, Col. Entrance Exam. Bd, 65. Address: College Entrance Examination Board, 800 Welch Rd, Palo Alto, Calif. 94304.
- WILLIS, DEAN EARL T(HOMAS), b. Chestertown, Md, June 8, 09; m. 38. SOCIAL SCIENCE. A.B. Washington Col, 31; M.A. Columbia, 36; Ed.D.(ed. & soc. sci), George Washington, 47. Teacher, Anacostia High Sch, Wash, D.C., 38-39, chmn. dept, 39-43, asst. prin, 43-48; prof. soc. sci, Md. State Teachers Col. Towson, 48-56, chmn. dept, 50-56; dean instruct, SALISBURY STATE COL, 56-65, DEAN COL, 65- Lectr, George Washington, 46-48. Distinguished serv. citation, Washington Col, 64. Am. Studies Asn. American history. Publ: Socio-civic emphasis in the teaching of law on the secondary school level, Sch. & Soc; Study of national history textbooks used in the schools of Canada and the U.S; Core curriculum and teacher preparation in the social sciences, Soc. Ed. Address: 607 Manor Dr, Salisbury, Md. 21801.
- WILLIS, PROF. EDGAR E(RNEST), b. Calgary, Alta, July 12, 13; nat; m. 38; c. 3. SPEECH. B.A. Wayne State, 35, M.A., 36; Ph.D.(speech), Wisconsin, 40. Radio producer, pub. schs, Mich, 35-38, 40-43; asst. prof. SPEECH, Wayne State, 46; from assoc. prof. to prof, San Jose State Col, 46-52; from assoc. prof. to PROF, MICHIGAN, 52- Fulbright lectr, Ed. TV, Gt. Brit, 63-64; summer lectr, Stanford, 46, 49, 50-52. Consult, Nat. Ed. TV & Radio Center, 58-59; Fulbright consult, TV, Cyprus, 63. U.S.N.R., 43-46, Lt. (jg) Speech Asn. Effect of attitudes of radio and television programs; history of radio and television. Publ: A radio director's manual, Edwards, 61; co-auth, Television and radio, Appleton, 63; auth, Writing television and radio programs, Holt, 67. Address: 1112 Clair Circle, Ann Arbor, Mich. 48103.
- WILLIS, DR. ERNEST M(OORE), b. Spartanburg, S.C., Dec. 6, 27. SOCIOLOGY. A.B. North Carolina, 49; M.A. Northwestern, 56, Ph.D.(sociol), 61. Instr. sociol, California, Los Angeles, 57-60; RES. SOCIOLOGIST, Cleveland Psychiat. Inst, 60-61; NAT. INST. MENT. HEALTH, 61- U.S.N., 51-54, Lt. (jg). Sociol. Asn; Soc. Study Social Probs. Medical sociology; psychiatric epidemiology; social psychiatry. Publ: Co-auth, Segregation of Negroes in American cities, Soc. & Econ. Studies, 57 & Data utilization for local mental health program development, Community Ment. Health J, 3/67. Address: Biometric Branch, National Institute of Mental Health, Chevy Chase, Md. 20015.
- WILLIS, DR. FRANK N, b. Kansas City, Mo, Dec. 13, 30; m. 65; c. 4. SOCIAL PSYCHOLOGY. B.A. Kansas City, 56, M.A., 57; Ph.D.(psychol), Missouri, Columbia, 61. Instr. PSYCHOL, Missouri, Columbia, 59-60, res. assoc, inst. community studies, 61-63; asst. prof, MISSOURI, KANSAS CITY, 63-67, ASSOC. PROF, 67- Co-investr, Nat. Insts. Health res. grant, Nat. Heart Inst, 61-63. U.S.N., 48-52. Psychol. Asn; Animal Behav. Soc. Animal social behavior; non-verbal communication. Publ: Co-auth, The coronary patient, Macmillan, 64; auth, Fighting in pigeons as a function of available space, 66 & Initial speaking distance as a function of the speakers relationship, 66, Psychonomic Sci. Address: Dept. of Psychology, University of Missouri, Kansas City, Mo. 64110.
- WILLIS, DR. F(RANK) ROY, Mod. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WILLIS, DR. GEORGE L, b. Ashland, Ky, Sept. 17, 23; m. 51; c. 3. POLITICAL SCIENCE. A.B. Indiana, 48, Ph.D.(polit. sci), 53; M.A. North Carolina, 50. Asst. prof. polit. sci, Cincinnati, 54-58; exec. dir, Hamilton County Democratic Party, 58-64; lectr. POLIT. SCI, Kentucky, 64-66; ASSOC. PROF, WIS. STATE, OSHKOSH, 66- Summers, Ohio Del. Democratic Nat. Cmt, 60, alternate del, 64; vis. prof, Middle Tenn. State, 66; consult, Tenn. Legis. Coun. Cmt, 66. Mem. bd, Hamilton County Bd. Elections, 58-66. U.S.A.F., 43-46, Res, Capt. Polit. Sci. Asn; Soc. Pub. Admin. Problems of maintaining effective control of bureaucracy and providing meaningful avenues for political participation in a democracy. Publ: Co-auth, Politics of 22nd Amendment, West. Polit. Quart, 9/52; auth, Electronic vote counting in a metropolitan area, Pub. Admin. Rev, spring 66. Address: Dept. of Political Science, Wisconsin State University, Oshkosh, Wis. 54901.
- WILLIS, DR. JAMES EUGENE, b. Del Norte, Colo, July 14, 36; m. 62; c. 3. STATISTICS, ECONOMICS. B.A. Texas A&M, 58; Ph.D.(econ), Tulane, 65. ASST. PROF. bus. statist, Texas, 63-67; econ. & statist, Houston, 67-68; STATIST, LA. STATE, 68- U.S.A.R., 59-65. Statist. Asn; Econ. Asn. Area economic studies; general statistical techniques for business and economic research. Publ: Co-auth, The Highland Lakes of Texas, 67, Marble Falls, 67 & Canyon Reservoir, 67, Bur. Bus. Res, Univ. Texas. Address: Dept. of Business Finance & Statistics, Louisiana State University, Baton Rouge, La. 70803.
- WILLIS, DR. JOHN B(ROOKE), b. Washington, D.C., July 17, 09; m. 39. FINANCE. A.B. Dartmouth Col, 30; B.S. Columbia, 32, M.S., 33, Ph.D., 43; Sanders fel, George Washington, 35-36. Economist, Jewel Tea Co, Inc, 33-35; assoc. prof. banking, Columbia, 37-56; economist, SAVINGS BANKS TRUST CO, 56-57, v.pres, 57-64, SR. V.PRES, 64- Consult. economist, Chase Manhattan Bank, 42-56. Secy, President's Cmt. Financing For. Trade, 50-51; coordinator task force, New York Clearing House study of Fed. Reserve Syst, 53. U.S.A., 43-45. Econ. Asn; Finance Asn. Banking. Publ: Banking system of the United States, In: Banking systems; Business loan statistics, In: Business loans of American commercial banks; Functions of the commercial banking system. Address: Savings Banks Trust Co, 200 Park Ave, New York, N.Y. 10017.
- WILLIS, DR. RAYMOND EDSON, JR, b. Winthrop, Mass, June 9, 30; m. 57; c. 4. OPERATIONS RESEARCH. B.S. Rensselaer Polytech, 51; M.B.A. Boston, 56; Ph.D.(econ), Mass. Inst. Tech, 63. Instr. statist, Boston, 55-56; lectr. QUANT. ANAL, MINNESOTA, MINNEAPOLIS, 59-63, asst. prof, 63-64, ASSOC. PROF, 64- U.S.N., 51-53, Res, 53-, Lt. Comdr. Statist. Asn; Inst. Mgt. Sci. Production and inventory systems, especially problems of

demand forecasting. Address: School of Business Administration, University of Minnesota, Minneapolis, Minn. 55455.

WILLIS, PROF. RICHARD HARTLEY, b. Chicago, Ill, Sept. 6, 27; m. 56; c. 3. **SOCIAL PSYCHOLOGY, PSYCHOLOGY**. B.S. Illinois, 49; fel. Minnesota, 50-51, M.A., 54; Ph.D. Wisconsin, 57. Asst. soc. psychol. Uppsala, 51-52; asst. to assoc. dean, Wisconsin, 55-57; asst. prof. indust. admin. & psychol. Carnegie Inst. Tech., 57-62; assoc. prof. PSYCHOL. Washington (St. Louis), 62-67, PROF. 67-68; PITTSBURGH, 68- Fulbright lectr. Tampere Sch. Soc. Sci. & Univ. Helsinki, 60-61; Rockefeller vis. prof. Univ. Philippines, 65-66. U.S.A. 52-54. Fel. Psychol. Asn. Social influence, perception and interaction. Publ: Stimulus pooling and social perception, J. Abnorm. & Soc. Psychol. 60; Conformity, independence, and anticonformity, Human Rel. 65; co-auth. Some current issues in the psychology of conformity and non-conformity, Psychol. Bull. 67. Address: Dept. of Psychology, University of Pittsburgh, Pittsburgh, Pa. 15213.

WILLIS, WILLIAM G, b. Irwin, Pa, Aug. 18, 09. **GOVERNMENT**. A.B. Muskingum Col. 30; A.M. Pittsburgh, 38; Pennsylvania, 46-47. Counsr. schs., Pa. 38-43; lectr. govt. Pittsburgh, 40-45, instr. 45-47, asst. prof. 47-49, assoc. prof. 49-51, prof. 51-62, dir. inst. local govt. 55-62, asst. dir. 48-55, lectr. Army Spec. Training Prog. 43; V.PRES. & SECY. TEMPLE, 62-Sr. analyst, appl. psychol. panel, Nat. Defense Res. Cmt. 43-45. Polit. Sci. Asn; Pub. Works Asn; Soc. Pub. Admin. Public administration; state and local government and administration. Publ: Guide to the government of the city of Pittsburgh. Address: Temple University, Philadelphia, Pa. 19122.

WILLIS, DR. WILLIAM S (HEDRICK), JR, b. Waco, Tex, July 11, 21; m. 49. **ANTHROPOLOGY**. A.B. Howard, 42; Ph.D. (anthrop), Columbia, 55. ASST. PROF. ANTHROP. Southern Methodist Univ. & Bishop Col. 65-66; SOUTHERN METHODIST, 66- U.S.C.G. 42-44. Fel. AAAS; fel. Anthropol. Asn; Soc. Ethnol. Cultural anthropology; ethnohistory; history of anthropology; New World Indians & Negroes. Publ: The nation of bread, 57 & Patulineal institutions in southeastern North America, 63, Ethnohistory; Divide and rule: red, white, and black in the Southeast, J. Negro Hist. 63. Address: Dept. of Anthropology, Southern Methodist University, Dallas, Tex. 75204.

WILLITS, DR. JOSEPH H (ENRY), b. Ward, Pa, June 16, 89; m. 13; c. 2. **INDUSTRIAL ECONOMICS**. A.B. Swarthmore Col. 11, A.M. 12, LL.D. 37; Ph.D. (econ), Pennsylvania, 16, LL.D. 39; LL.D. Haverford Col. 58. Instr. geog. & indust. Pennsylvania, 12-17, asst. prof. 19-20, prof. indust. 20-39, dir. indust. res. dept. 21-39, dean, Wharton Sch. 33-39; DIR. Soc. sci. Rockefeller Found. 39-54, ed. surv. Pennsylvania, 54-61; STUDY EXCELLENCE & MEDIOCRITY IN COLS. & UNIVS, INST. COL. & UNIV. ADMINISTRATION, 61- Wertheim lectr. Harvard, 28. Employ. supt. U.S. Naval Aircraft Factory, 17-19. Chmn. adv. cmt. Study Pop. Redistribution, 34-36; Soc. Security Cmt. 35-39; pres. Nat. Bur. Econ. Res. 33, chmn. bd. & exec. dir. 36-39. Am. Acad. Arts & Sci; Econ. Asn; Philos. Soc. (v. pres. 59-62). Industrial and labor relations. Address: Box 441A, Bridgetown Pike, Longhorne, Pa. 19047.

WILLMORTH, DR. NORMAN EDGAR, b. Charleston, Wash, Jan. 18, 21; m. 47; c. 2. **PSYCHOLOGY**. B.A. Southern California, 50; Ph.D. (psychol. test & measurements), 55. Asst. psychol. Southern California, 50-51; Psychol. Serv. Inc. 51-53; res. assoc. HumRRO, 54-55; human factors scientist, SYST. DEVELOP. CORP. 55-61, br. head. prof. planning & control, 61. HUMAN FACTORS SCIENTIST, 62- Assoc. soc. scientist, syst. develop. div. Rand Corp. 55-57. U.S.A.A.F. 42-45. Psychol. Asn; Psychomet. Soc; Asn. Comput. Mach; Mgt. Asn. Effects of increased radial acceration on psychomotor skills; personality factors in leadership; training in map reading; design system training exercises; design of data processing systems and of experiments; programming management. Publ: Survey of map skills requirements at various levels of responsibility; Factor analysis of rating scale variables used as criteria of military leadership; Introduction to system design. Address: System Development Corp, 2500 Colorado, Santa Monica, Calif. 91364.

WILLMOTT, DR. DONALD EARL, b. Jenshow, China, Apr. 2, 25; nat. Can; m. 50; c. 3. **SOCIOLOGY**. A.B. Oberlin Col. 50; M.A. Michigan, 53; Southeast Asia fel. Cornell, 51-53, Soc. Sci. Res. Coun. fel. 54-55, Ph.D. (sociol), 58. Assoc. prof. social, Memorial Univ. 56-59; res. officer, center community studies, Saskatchewan, 59-62; asst. prof. SOCIOL. Toronto, 62-65, ASSOC. PROF. 65-67; GLENDON COL. YORK (ONT), 67- Consult. & res. officer, Prov. Welfare Dept. Newf, 56-59. U.S.A. 44-46. Am. Sociol. Asn; Asn. Asian Studies; Can. Sociol. & Anthropol. Asn. Social change; industrialization; community structure; voluntary associations; social and political participation; leadership; Far Eastern studies; overseas Chinese communities. Publ: Chinese of Semarang, a changing minority community in Indonesia; National status of the Chinese in Indonesia; Industry comes to a prairie town, Center Community Studies, Saskatoon, Sask. 62. Address: Glendon College, York University, Toronto 12, Ont, Can.

WILLMOTT, DR. WILLIAM E, b. Chengtu, China, Feb. 7, 32; Can. citizen; m. 64; c. 4. **SOCIAL ANTHROPOLOGY**. B.A. McGill, 53, univ. fel. & M.A. 57; Can. Coun. & Soc. Sci. Res. Coun. fel. & Ph.D. (soc. anthrop), London Sch. Econ. 64. Seasonal lectr. ANTHROP. BRITISH COLUMBIA, 61-62, asst. prof. 64-66, ASSOC. PROF. 66-, LECTR. ASIAN STUDIES, 64- Asn. Asian Studies; Can. Sociol. & Anthropol. Asn; Brit. Asn. Soc. Anthropol. fel. Royal Anthropol. Inst. Gt. Brit. & Ireland. Eastern Arctic Eskimo; overseas Chinese; southeast Asian society, especially Cambodia. Publ: The Eskimo community at Port Harrison, P.Q. Dept. North. Affairs, Can. Govt. 61; The Chinese in Cambodia, Univ. British Columbia Pub. 67; The political structure of the Chinese community in Cambodia, London Sch. Econ. Mongr. Series, (in press). Address: Dept. of Anthropology & Sociology, University of British Columbia, Vancouver 8, B.C., Can.

WILLNER, DR. ALLEN EUGENE, b. New York, N.Y., Dec. 24, 28; m. 56; c. 3. **PSYCHOLOGY**. B.A., N.Y. Univ. 50; M.A. Missouri, 52; Ph.D. (clin. psychol), Mich. State, 56. Clin. psychologist, Adams Newsom & Morrow Psychiat. Clin. Wichita, Kans. 56-57; asst. chief clin. psychol. Winter Vet. Admin. Hosp. Topeka, Kans. 57-62; SR. PSYCHOLOGIST, Menninger Found. 62-67;

HILLSIDE HOSP., 67- Lectr. Washburn, 58-62; prin. investr. Nat. Inst. Ment. Health, 60-62, prin. investr. & dir. asn. & abstraction res. Menninger Found. 65- AAAS; Psychol. Asn. The process of abstraction in normal people; schizophrenic and brain damaged patients; cognitive processes. Publ: An experimental analysis of analogical reasoning, Psychol. Reports Monogr. Suppl. 64; Impairment of knowledge of unusual meanings of familiar words in brain damage and schizophrenia, 65 & Association, abstraction and the conceptual organization of recall, 66, J. Abnorm. Psychol. Address: Hillside Hospital, 75-59 263 St, Glen Oaks, N.Y. 11004.

WILLNER, DR. ANN RUTH, b. New York, N.Y., Sept. 2, 24. **POLITICAL SCIENCE**. B.A. Hunter Col. 45; fel. Yale, 45-46, M.A. 46; Ph.D. (int. rels), Chicago, 61. Lectr. Eng. Chicago, 46-47, res. assoc. econ. develop. & cultural change res. center, 54-57; adv. orgn. & training, Indonesian Ministry For. Affairs, 52-53; small indust. expert, Indonesian Nat. Planning Bur. 53-54; for. affairs analyst, legis. reference serv. Library Cong. 60; assoc. ed. Encyclop. Soc. Sci. 61; fel. int. rels, Chicago, 61-62; asst. prof. polit. sci. State Univ. N.Y. Binghamton, 62-63; res. fel. S.E. Asia & polit. sci. Yale, 63-64; RES. ASSOC. CENTER INT. STUDIES, PRINCETON, 64- Rockefeller Found. & Am. Coun. Learned Soc. Soc. Sci. Res. Coun. res. grants, 65-66. Polit. Sci. Asn; Asn. Asian Studies. Comparative politics; processes of political and social change in developing countries; political leadership; systems of authority and cultural values related to authority and leadership; Southeast Asia; international relations. Publ: The neotraditional accommodation to political independence, 66 & Charismatic political leadership: a theory, 68, Center Int. Studies, Princeton; The underdeveloped study of political development, World Polit. 4/64. Address: Center of International Studies, Corwin Hall, Princeton University, Princeton, N.J. 08540.

WILLNER, DR. DOROTHY, b. Mich; m. SOCIOLOGY. A.B. Wayne State, 42; M.A. Bryn Mawr Col. 44; Ph.D. (sociol), Pennsylvania, 58. Instr. SOCIOL. Maryland, 47-50; vis. lectr. George Washington, 54-56; lectr. N.Y. Univ. 58-59; ASSOC. PROF. UPSALA COL. 63- Sociol. Asn; Am. Acad. Arts & Sci; Pop. Asn. Am. Sociological theory; family; personality deviance; population. Publ: Ed. Decisions, values and groups, Pergamon, 61. Address: Dept. of Sociology, Upsala College, East Orange, N.J. 07071.

WILLOUGHBY, DR. ALAN, Clin. Psychol. see 10th ed, Soc. & Behav. Vols.

WILLOUGHBY, PROF. WILLIAM R (EID), b. Bowen, Ky, Feb. 5, 10; m. 42; c. 2. **GOVERNMENT**. A.B. Kentucky, 34, A.M. 36; Ph.D. Wisconsin, 43. Res. assoc. U.S. Dept. State, 43-46; assoc. prof. hist. & govt. St. Lawrence, 46-57, PROF. 57-64; POLIT. SCI. NEW BRUNSWICK, 64- Soc. Sci. Res. Coun. grants, 51 & 52; Am. Philos. Soc. grant, 53, summer grants, 65 & 66; mem. staff, Inst. Adv. Study, 54-56; Can. Soc. Sci. Res. Coun. grant, 66; Can. Inst. Int. Affairs grant, 66-67; Can. fel. 66-67. Can. Econ. Asn; Can. Hist. Asn. Canadian foreign relations and government; United States foreign relations. Publ: The St. Lawrence Waterway: a study in politics and diplomacy, Univ. Wisconsin, 61; Canada and the North Atlantic Pact, Va. Quart. Rev. summer 49; Canadian-American defense cooperation, J. Polit. 11/51. Address: Dept. of Political Science, University of New Brunswick, Fredericton, N.B., Can.

WILLS, PROF. B (ERNT) L (LOYD), Geog. see 10th ed, Soc. & Behav. Vols.

WILLS, PROF. J (OHN) E (LIOT), b. Watseka, Ill, Oct. 21, 03; m. 26; c. 1. **AGRICULTURAL ECONOMICS**. B.S. Illinois, 25, M.S. 32, Ph.D. (econ), 37; Chicago, 29; Soc. Sci. Res. coun. fel. California, 32-33. Asst. farm mgt. Illinois, 30-32; assoc. 32-37; assoc. prof. agr. econ. Tennessee, 37-39; state rep. bur. agr. econ. land use planning prog. U.S. Dept. Agr. Tenn. 39-42; asst. prof. FARM MGT. ILLINOIS, URBANA, 42-45, assoc. prof. 45-54, PROF. 54- Agr. Econ. Asn. Farm power and machinery; farm work simplification; land use problems in selected areas of central Illinois. Address: Dept. of Agricultural Economics, University of Illinois, Urbana, Ill. 61801.

WILLS, PROF. WALTER J (OE), b. Beecher City, Ill, Oct. 8, 15; m. 42. **AGRICULTURAL ECONOMICS, ECONOMICS**. B.S. Illinois, 36, M.S. 37, Ph.D. (agr. econ), 52. Asst. agr. econ. Illinois, 36-37, asst. prof. 48-53; credit exam. Prod. Credit Corp. St. Louis, 37-48; dir. farm rels. Am. Trucking Asn. 53-54; exten. mkt. specialist AGR. ECON. Wash. State Col. 54-56; PROF. SOUTHERN ILLINOIS, 56-, CHMN. AGR. INDUSTS. DEPT. 57- Ord. Dept. U.S.A., 41-46, Capt. Econ. Asn; Agr. Econ. Asn. Agricultural marketing with special emphasis on pricing and market structure; agricultural cooperatives. Publ: Some factors in hog prices and movements, Ill. Agr. Exp. Sta. Circular; Livestock market location theory, J. Farm Econ; Improving livestock market news. Address: Dept. of Agricultural Industries, Southern Illinois University, Carbondale, Ill. 62901.

WILLSON, PROF. FRANCIS MICHAEL GLENN, b. Carlisle, Eng. Sept. 24, 24; m. 45; c. 2. **POLITICAL SCIENCE**. B.A. Manchester, 50; D.Phil. (admin. hist), Oxford, 53, M.A. 56. Res. officer, Royal Inst. Pub. Admin. 53-60; res. fel. Nuffield Col. Oxford, 55-60, lectr. polit. St. Edmund Hall, 58-60; prof. govt. Univ. Col. Rhodesia & Nyasaland, 60-64, dean soc. studies, 62-64; PROF. GOVT. CALIFORNIA, SANTA CRUZ, 65-, PROVOST, STEVENSON COL. 67- Ford Found. traveling fel. 64. Consult. fisheries div. Food & Agr. Orgn. Un. 55-66; Orgn. Econ. Coop. & Develop. Greece, 66. M.M. 41-42; R.A.F. 43-46, Flight Lt. British executive government in the 19th and 20th centuries. Publ: Co-auth. The organization of British central government, 57 & 2nd ed, 68 & auth. Administrators in action, 61, Allyn & Unwin. Address: Stevenson College, University of California, Santa Cruz, Calif. 95060.

WILMER, DR. HARRY A (RON), b. New Orleans, La, Mar. 5, 17; m. 44; c. 5. **PSYCHIATRY**. B.S. Minnesota, 38, M.S. 40, M.D. 41, Ph.D. (path), 44. Nat. Res. Coun. fel. Hopkins, 44-45; Mayo Found. 45-49; instr. psychiat. sch. med. Stanford, 49-54, asst. clin. prof. 55-57; asst. prof. Minnesota & mem. staff, Mayo Clin. 57-58; assoc. clin. prof. PSYCHIAT. sch. med. Stanford, 58-64; CLIN. PROF. SCH. MED. CALIFORNIA, SAN FRANCISCO, 64- Vis. prof. Minnesota, 66. Consult. U.S. Pub. Health Serv. 49-52, 66-; State Dept. Ment. Health & Corrections, Calif. 58-60; San Quentin Prison & Dept. Cor-

- rections, Paroles & Community Serv, 61-66. Mem. study sect. ment. health, Nat. Insts. Health, 57-58. Cutts prize, Univ. Minnesota, 44. Dipl. Am. Bd. Psychiat. & Neurol, 55. Med.C, U.S.N, 55-56, Res, 56-, Capt. AAAS; fel. Psychiat. Asn; Am. Med. Asn. Social psychiatry; group therapy; history of medicine; tuberculosis psychology; therapeutic community. Publ: Social psychiatry in action; Huber the tuber, Am. Tuberc. Asn, 41. Address: 1317 Forest Ave, Palo Alto, Calif. 94301.
- WILMERDING, LUCIUS, JR.**, b. New York, N.Y., Jan. 23, 06; m. 29; c. 4. GOVERNMENT. A.B. Princeton, 27; M.A. Oxford, 29. Instr. Eng. Columbia, 29-31; mem. staff local govt, Inst. Pub. Admin, 31-32; Citizens Budget Cmn, 32-33; asst. dir. civil serv, Cmn. of Inquiry on Pub. Serv. Personnel, 33-35; tech. asst. govt. finance, U.S. Dept. Treas, 35-41; mem. govt, Inst. for Adv. Study, 45-48; constitutional law consult, Fed. Reserve Bd, 51; PRIVATE SCHOLAR, 51- U.S.N.R, 41-46, Lt. Comdr. Polit. Sci. Asn; Acad. Polit. Sci; Planning Asn. Constitutional law; government finance; administrative history. Publ: Government by merit; The Electoral College; James Monroe: public claimant. Address: 2 Rosedale Rd, Princeton, N.J. 08540.
- WILMETH, PROF. J(OHN) RICHARD**, b. Salem, Iowa, Feb. 24, 14; m. 39; c. 4. SOCIAL SCIENCE, SOCIOLOGY. B.A. Iowa, 36, M.A. 39; Ph.D. (soc. sci), Cornell, 43. Teacher, high sch, Ill, 36-41; assoc. prof. soc. sci, Northwest Mo. State Col, 43-45; Cent. Wash. State Col, 45-50; SOCIOLOGY, 50-66, PROF, 66- Sociol. Asn. Urbanization; community organization and community power structure; general education in the social sciences. Publ: Full employment; Teaching a unified course in social science; Small community organization. Address: Dept. of Sociology & Anthropology, 121 MacBride Hall, University of Iowa, Iowa City, Iowa 52240.
- WILMINGTON, DR. MARTIN W(IZNITZER)**, Econ, Geog, see 10th ed, Soc. & Behav. Vols, deceased 64.
- WILMOT, DR. CHARLES ARCHIBALD**, b. East Thetford, Vt, May 23, 21; m. 51; c. 3. AGRICULTURAL ECONOMICS. B.S. Vermont, 49; M.S. Purdue, 56, Ph.D., 57. Asst. agr. econ, Purdue, 54-56; agr. mkt. specialist, U.S. Dept. Agr, 56-57; asst. prof, Arizona, 57-60; AGRICULTURAL ECONOMIST, U.S. DEPT. AGR, 60- U.S.A.F, 42-47, Capt. Am. Agr. Econ. Asn; Int. Asn. Agr. Econ. Marketing research relating to cost and efficiency, organizational structure, operating practices and other economic phases of marketing of cotton, cottonseed and grain in the west. Publ: Co-auth, Utilization and cost of labor for ginning cotton; Power requirements and costs for high-capacity cotton gins; Engineering and economic aspects of cotton gin operations-Mid-south, West Texas, Far West. Address: Suite 239, Professional Plaza E, 630 N. Craycroft, Tucson, Ariz. 85711.
- WILMOT, PROF. WILLIAM VERNON, JR.**, b. Newark, N.J., Sept. 15, 16; m. 41; c. 2. MANAGEMENT, ECONOMICS. A.B. Syracuse, 37, A.M. 39; Ph.D. (econ), Wisconsin, 54. Assoc. economist, off. defense transportation, Off. Emergency Mgt, 42-43; instr. econ, Wisconsin, 46-54, asst. prof, 54-57; finance, FLORIDA, 57-59, assoc. prof. MGT, 59-64, PROF, 64-, CHMN. DEPT, 59- Ford Found. Faculty fel. prog. new frontiers, Carnegie Inst. Tech, summer 61. U.S.N.R, 43-46, Lt. Economet. Soc; Inst. Mgt. Sci; Acad. Mgt. Managerial economics in large scale enterprise; imperfect competition and the law; management of technological change. Publ: Co-auth, Plant management, Alexander Hamilton, 63. Address: Dept. of Management, Room 209 Matherly Hall, University of Florida, Gainesville, Fla. 32601.
- WILMSEN, DR. EDWIN N(ORMAN)**, b. Galveston, Tex, Mar. 13, 32; m. 52; c. 5. ANTHROPOLOGY. B.Arch, Texas A&M, 58; M.Arch, Mass. Inst. Tech, 59; Nat. Sci. Found fel, Arizona, 64-67, M.A. 66, Smithsonian Inst. intern, 66-67, Ph.D. (anthrop), 67. Instr. archt, Texas, Austin, 59-60; asst. prof, Arizona, 60-64; RES. ASSOC. ANTHROP, ARIZ. STATE MUS. & SMITHSONIAN INST, 67- Nat. Sci. Found. res. grant, 67- U.S.A.F, 54-56, 1st Lt. AAAS; fel. Anthropol. Asn; Soc. Am. Archaeol. The anthropology of Pleistocene hunting societies in North America and northern Eurasia; comparison of these with modern hunting-gathering societies. Publ: Paleo-Indian site utilization, Anthropol. Soc. Washington, 67; An outline of early man studies in the United States, 65 & Functional analysis of flaked-stone artifacts, 67, Am. Antiquity. Address: Office of Anthropology, Smithsonian Institution, Washington, D.C. 20560.
- WILNER, DR. DANIEL M(URRAY)**, b. Poland, July 17, 18; nat; m. 42; c. 3. SOCIAL PSYCHOLOGY. Ph.D. (psychol), California, Los Angeles, 50. Asst. prof. psychol, N.Y. Univ, 50-54; assoc. prof. biostatist, Hopkins, 54-60; BEHAV. STUDIES IN PUB. HEALTH, CALIFORNIA, LOS ANGELES, 60-68, PROF, 68- Mem. Nat. Adv. Cmt. Sr. Citizens, 64; adv. cmt. Center Epidemiol. Studies, Nat. Inst. Ment. Health, 67. U.S.A, 43-46. Psychol. Asn; Pub. Health Asn. Environmental influences on physical and mental health; program development and evaluation in public health and mental health; science policy in health and welfare. Publ: Human relations in interracial housing, Univ. Minnesota, 55; Housing environment and family life, Johns Hopkins, 62; Narcotics, McGraw, 65. Address: University of California School of Public Health, 405 Hilgard Ave, Los Angeles, Calif. 90024.
- WILSEY, DR. H(ARRY) LAWRENCE**, b. Montague, Calif, Aug. 17, 23; m. 44; c. 1. ECONOMICS. B.S. Southern California, 44, A.M. 46; fel, Cornell, 46-48, Ph.D. (econ. & constitutional law), 52. Asst. dean, sch. bus. admin, Southern California, 48-50; chief int. finance & trade div, U.S. Spec. Mission, Norway, 50-52; prog. officer, For. Opers. Admin. Mission, Philippines, 52-54; chief China Div, For. Opers. Admin-Int. Coop. Admin, Wash, 55; mgt. consult, BOOZ, ALLEN & HAMILTON, 55-59, partner, 59-62, V.PRES, 62- U.S. del, Econ. Cmn. Far East & Asia, 55. U.S.N, 44-45, Lt. (jg). Econ. Asn. Institutional planning and management, public administration; education, health planning economics and finance; international finance and trade; area studies. Address: 135 S. La Salle St, Chicago, Ill. 60603.
- WILSON, PROF. ANDREW W(ILKINS)**, b. Santa Ana, Calif, Aug. 13, 13; m. 46; c. 2. GEOGRAPHY. B.A. Pomona Col, 35; M.B.A. Stanford, 37; D.S.S., Syracuse, 55. Instr. commerce, Fresno State Col, 46-48; bus. admin, ARIZONA, 50-56, asst. prof, 56-58, assoc. prof, 58-61, PROF. GEOG. & AREA DEVELOP, 61-, CHMN. CMT. URBAN PLANNING, 65- Planning consult, Albuquerque, 57; Flagstaff, 58-59; Sierra Vista, 60-61. AAAS; Am. Geog. Soc; Asn. Am. Geog; Nat. Coun. Geog. Ed; Pop. Asn; Soc. Planning Off. Urban and economic geography; conservation of resources. Publ: Co-auth, Aridity and man, AAAS, 63; Land use in semi-arid Mediterranean climates, UNESCO, Paris, 64; Human dimensions of weather modification, Dept. Geog, Univ. Chicago, 66. Address: Dept. of Geography & Area Development, College of Business & Public Administration, University of Arizona, Tucson, Ariz. 85721.
- WILSON, DR. ARTHUR JESS**, b. Yonkers, N.Y., Oct. 25, 10; m. 41; c. 2. CLINICAL PSYCHOLOGY. B.S. N.Y. Univ, 35, M.A. 49, Ed.D. (clin. psychol. & rehab), 61; LL.B. St. Lawrence, 40. Teacher, pub. schs, N.Y., 35-40, dir. adult ed, 40-42; supvr. voc. rehab, State Dept. Ed, N.Y., 42-44; asst. personnel exec, Abraham & Straus, Inc, 46-47; rehab. field secy, N.Y. Tuberc. & Health Asn, 47-48; dir. rehab, Grasslands Hosp. of Westchester County, Valhalla, N.Y., 48-67; STATE NARCOTIC ADDICTION CONTROL CMTN. DIR. NARCOTIC REHAB. MANHATTAN REHAB. CENTER, NEW YORK, 67- Lectr, N.Y. Univ, 50, 54, 56; sch. pub. health & admin. med. Columbia, 51. Consult, Kips Bay-Yorkville Dist. Health Center, N.Y., 47-48; Mobility Rehab. Serv, 53-59; State Dept. Ed, 53-, consult. psychologist, div. voc. rehab, 60-; Yonkers Workshop, 54-; Westchester Tuberc. & Health Asn, 54-; consult. voc. expert, bur. hearings & appeals; soc. security admin, Dept. Health, Ed. & Welfare, 65-; consult. psychologist, state bur. disability determinations, Dept. Soc. Welfare, N.Y., 68- Private practice, 53- U.S.N, 43-45. Psychol. Asn. Psychotherapy; adolescent adjustment; psychology of the handicapped; motivation; interpersonal relations; vocational guidance and occupational choice; under achiever and over achiever in education; dynamics of family life in mental health. Publ: Emotional life of the ill and injured: the psychology and mental hygiene of rehabilitation and guidance; The Wilson teaching inventory; Guide to the genius of Cardozo. Address: 487 Park Ave, Yonkers, N.Y. 10703.
- WILSON, DR. ARTHUR S(TANLEY)**, b. Brooklyn, N.Y., Jan. 18, 35; m. 61; c. 1. PSYCHOLOGY. B.S. St. Francis Col. (N.Y.), 56; M.A. Columbia, 57; Ph.D. (psychol), Northwestern, 62. Res. assoc. physiol. psychol, Vet. Admin, 62-64, RES. PSYCHOLOGIST, VET. ADMIN. CENTER, 64-; ASST. CLIN. PROF. PSYCHOL, SCH. MED. MARQUETTE, 64-, ASST. PROF. COL. LIB. ARTS, 66- AAAS; Psychol. Asn; Soc. Psychophysiol. Res; N.Y. Acad. Sci. Effects of limbic system lesions; alcohol consumption and aging; psychophysiology of emotions; electroanesthesia. Publ: Effects of electroanesthesia on acquisition and retention of behavior in primates, *Excerpta Medica*, 67; Alcohol selection in rats with different early feeding experiences, *Quart. J. Studies Alcohol*, 68; Effect of feeding schedules on growth in rats, *Growth*, 68. Address: Psychology Dept, Veterans Administration Center, Wood, Wis. 53193.
- WILSON, PROF. CARROLL LOUIS**, b. Rochester, N.Y., Sept. 21, 10; m. 37; c. 4. MANAGEMENT, ECONOMIC DEVELOPMENT. S.B. Mass. Inst. Tech, 32; hon. Sc.B. Williams Col, 47. Asst. to pres, Mass. Inst. Tech, 32-37; mgr. instr. div, Res. Corp. N.Y., 37-40; exec. asst. to dir, Off. Sci. Res. & Develop, 40-46; v.pres. proj. develop, Nat. Res. Corp, Boston, 46; gen. mgr. U.S. Atomic Energy Cmn, 46-50; pres, Climax Uranium Co, 51-54; pres. & gen. mgr. Metals & Controls Corp, Mass, 54-59; PROF. MGT, SLOAN SCH. MGT, MASS. INST. TECH, 60- Consult. to dir. & mem. exc. cmt. Woods Hole Oceanog. Inst, 59. Mem. res. adv. cmt. & President's Sci. Adv. Cmt. Panel Res, Agency Int. Develop, 64; expert adv. cmt. Econ. & Soc. Coun. UN, 64. U.S. del. & chmn, cmt. res. coop, Off. Econ. Coop. & Develop, Paris, 61. Am. Acad. Arts & Sci; Inst. Min. Metall. & Petrol. Eng. Application of science and technology to development of less developed nations and urban affairs. Address: Sloan School of Management, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- WILSON, DEAN C(HARLES) PEAIRS**, b. Meade, Kans, July 28, 16; m. 41; c. 3. AGRICULTURAL ECONOMICS. B.S. Kansas State, 38, M.S. 40; Ph.D. (agr. econ), California, 58. Instr. agr. econ, Kansas State, 38-41, asst. prof, 41-43, 46-47, assoc. prof, 47-52, asst. dir. agr. exp. sta, 52-56, dir. sch. agr, 56-62, agr. exp. sta, 62-65; DEAN COL. TROP. AGR, HAWAII, 65-, DIR. AGR. EXP. STA. & COOP. EXTEN. SERV, 65- U.S.A.A.F, 43-46, 1st Lt. Agr. Econ. Asn. Agricultural marketing and policy. Address: College of Tropical Agriculture, Gilmore Hall, University of Hawaii, Honolulu, Hawaii 96822.
- WILSON, PROF. CHARLES Z, JR.**, b. Greenville, Miss, Apr. 21, 29; m. 51; c. 4. ECONOMICS, STATISTICS. B.S. Illinois, 52, Whitney Found. fel, 55-56, Ph.D. (econ, statist), 56. Asst. econ, Illinois, 52-55; economist & statistician, Commonwealth Edison Co, Ill, 56-59; asst. prof. econ, De Paul, 59-61, assoc. prof. mgt, 61-62, lectr. econ. & finance, 57-59; assoc. prof. BUS. ENTERPRISE, STATE UNIV. N.Y. BINGHAMTON, 62-68, PROF, 68-, faculty fcls, 63-64. Ford Found. fel, 61-62; Am. Coun. on Ed. fel, California, Los Angeles, 67-68. Summers, res. fel. grad. sch. indust. admin, Carnegie Inst. Tech, 65. V.pres, Off. Econ. Opportunity, Broome County, N.Y. Econ. Asn; Mkt. Asn; Inst. Mgt. Sci. Economic analysis; organization theory; applied statistics. Publ: Co-auth, Organization decision-making, Prentice-Hall, 67; auth, Basic frameworks for decisions, J. Acad. Mgt; Some organizational factors in tax shifting, West. J. Econ, Fall 65. Address: Dept. of Business Enterprise, State University of New York, Vestal Pkwy. E, Binghamton, N.Y. 13901.
- WILSON, DR. CLARK LOUDON**, Psychol, see 10th ed, Soc. & Behav. Vols.
- WILSON, DR. CLIFTON E**, b. White Bird, Idaho, July 8, 19; m. 47. POLITICAL SCIENCE. B.S. Utah, 50, M.A. 53; univ. fel, Minnesota, 56-60, Tozer Found. fel, 60, Ph.D. (polit. sci), 64. Asst. dir. world affairs prog, Minnesota, 54-56, center int. rels. & area studies, 56-60, instr. polit. sci, 59-60; Montana, 60-61; asst. prof. GOVT, ARIZONA, 61-65, ASSOC. PROF, 65-, RES. ASSOC, 61- U.S.M.C, 43-46, Sgt. Soc. Int. Law; Polit. Sci. Asn; Int. Studies Asn. International politics, law and organization. Publ: Cold war diplomacy, 66 & Diplomatic privileges and immunities, 67, Univ. Arizona; The use and abuse of international law and organization, In: The struggle for history, Washington Square, 68. Address: Dept. of Government, University of Arizona, Tucson, Ariz. 85721.

WILSON, PROF. CURTIS MERVIN, b. Milford, Nebr. Sept. 26, 08; m. 45; c. 3. GEOGRAPHY. B.S. Nebraska, 31, M.A., 37, Ph.D. (geog. hist), 44. Guest prof. geog. Nebr. State Teachers Col, Kearny, 37-39 & prof. Chadron, 42-44; cartographer, Off. Strategic Serv, U.S. Dept. State, 44-46; chmn. dept. geog. & geol. Toledo, 46-52, asst. dean col. arts & sci, 47-50; guest prof. soc. sci. col. ed, Oregon, 52-54; PROF. GEOG. & HIST, HARTNELL COL, 55-Summer guest prof, Texas, 47-49. Fel. Am. Geog. Soc; Asn. Am. Geog; Nat. Coun. Geog. Ed; Asia Soc; Asn. Asian Studies. Asiatic and Central American areas; world resources. Publ: Port of Monterey and vicinity, Econ. Geog; El Salvador: a geographic reconnaissance, J. Geog; The treacherous Farallones, Americas. Address: Dept. of Geography, Hartnell College, Salinas, Calif. 93901.

WILSON, DR. DAVID A(LLEN), b. Rockford, Ill, May 1, 26; m. 52; c. 2. POLITICAL SCIENCE. A.B. Toledo, 48; Hopkins, 49-51; Ph.D. Cornell, 60. Lectr. Eng. Chulalongkorn Univ, Thailand, 53-54; asst. prof. POLIT. SCI, CALIFORNIA, LOS ANGELES, 59-63, ASSOC. PROF, 63- Consult, Rand Corp, 58-; Agency Int. Develop, 66. Exec. secy, Acad. Adv. Coun. for Thailand, 66. Polit. Sci. Asn; Asn. Asian Studies; Soc. Polit. & Legal Philos. Political change and violence; cohesion and corruption in agrarian societies. Publ: Politics in Thailand, 62, 66 & co-auth. Government and politics in southeast Asia, 63, Cornell Univ; auth. The Spirit of Bandung, China Quart, 67. Address: Dept. of Political Science, University of California, Los Angeles, Calif. 90024.

WILSON, DR. DAVID A(RNOLD), b. Victoria, B.C., May 9, 23; m. 47; c. 3. ECONOMICS. B.A. British Columbia, 47, B.Sc.F., 48; Ph.D. (econ), California, 55. Forester, Alaska Pine Co. Ltd, Vancouver, B.C., 48-50; economist, Can. Int. Paper Co. Ltd, Montreal, Que, 54-61; dir. econ. div, Can. Dept. Forestry, 62-65; ECON. ADV. DEPT. FORESTRY & RURAL DEVELOP. CAN, 65- R.C.N.V.R., 43-45, Lt. Econ. Asn; Economet. Soc; Inst. Mgt. Sci; Can. Inst. Forestry; Can. Polit. Sci. Asn. Business economics; economics of forestry; natural resource economics; economic problems of the forest industries. Publ: Value of market research in the forest products industries; chaps. in: Outlook for the Canadian forest industries. Address: Dept. of Forestry & Rural Development, 161 Laurier Ave. W, Ottawa, Ont, Can.

WILSON, DR. DAVID LEE, b. Mooresville, N.C., July 5, 41; m. 60; c. 3. CLINICAL PSYCHOLOGY. A.B. Davidson Col, 63; Ph.D. (clin. psychol), North Carolina, Chapel Hill, 67. Intern CLIN. PSYCHOL, LETTERMAN GEN. HOSP, 66-67, MEM. STAFF, 67- U.S.A., 65- Capt. Personality functioning; cognitive learning theory; creativity; hypnosis; altered states of consciousness. Address: Box 196, Letterman General Hospital, San Francisco, Calif. 94129.

WILSON, DR. DESMOND P. JR., b. Hutchinson, Kans. Dec. 14, 30; m. 56; c. 3. POLITICAL SCIENCE. B.A. Univ. of the South, 53; Ph.D. (polit. sci), Mass. Inst. Tech, 66. Sales rep, Union Carbide Corp, 56-57; instr. polit. sci, Mass. Inst. Tech, 63-64; prinl. staff, res. naval & defense policy, Center Naval Anal, 64-65; asst. prof. polit. sci, Emory, 65-67; PRFNL. STAFF RES. NAVAL STRATEGY, CENTER NAVAL ANAL, 67- U.S.A., 53-56, Capt. Polit. Sci. Asn. National security policy; American foreign policy; international relations. Publ: Cuba: a Soviet instrumentality in the western hemisphere, In: Aspects of communism, Univ. South Carolina, 68; Strategic projections and policy options in the Soviet-Cuban relationship, Orbis, 8/68. Address: Center for Naval Analyses of the University of Rochester, 1401 Wilson Blvd, Arlington, Va. 22070.

WILSON, DR. DOUGLAS J(AMES), Psychol, see 10th ed, Soc. & Behav. Vols.

WILSON, DR. EARL D., b. Caldwell, Idaho, Dec. 12, 39; m. 59; c. 2. COUNSELING & REHABILITATION PSYCHOLOGY. Th.B. Multnomah Sch. Bible, 62; M.S. Oregon, 63, Ph.D. (counseling psychol), 65. Asst. prof. psychol. & counsr. counseling center, Idaho State, 65-67; ASST. PROF. ED. PSYCHOL, NEBRASKA, LINCOLN, 67- Consult, Lincoln State Hosp, 68- Personnel & Guid. Asn; Psychol. Asn; Am. Rehab. Counseling Asn. Address: 1600 S. 44th St, Lincoln, Nebr. 68506.

WILSON, DR. ELIZABETH W(EBB), b. Wash, July 25, 96. ECONOMICS, MATHEMATICS. A.B. George Washington, 17; A.M. Radcliffe, 20, Ph.D., 34. Chief computer, ballistics unit, U.S. Army Ord. Dept, 18-19; assoc. actuary, Soc. Security Admin, 42-43; ECON. CONSULT. & SCI. WRITER, 43- Statist. Asn; assoc. Soc. Actuaries; Economet. Soc; Am. Econ. Asn; fel. Royal Econ. Soc. Social security, especially health insurance and costs involved. Publ: Compulsory health insurance. Address: 1 Waterhouse St, Cambridge, Mass. 02138.

WILSON, ELMO C(HAMBERLIN), Polit. Sci, Sociol, see 10th ed, Soc. & Behav. Vols, deceased 68.

WILSON, DR. EVERETT K(ETH), b. New Glasgow, N.S., Oct. 29, 13; nat; m. 38; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. A.B. Antioch Col, 38; M.A. Chicago, 42, Ph.D., 52. Res. assoc. Am. Soc. Planning Officials, 41-42; assoc. prof. sociol, Manchester Col, 46-48; assoc. prof. sociol. & chmn. dept. sociol. & anthro, Antioch Col, 48-66; sociologist in chief, Sociol. Resources Sec. Schs, 66-68; ASSOC. PROF. SOCIOL, NORTH CAROLINA, 68- Ford Fund adv. ed. fel, 52-53; vis. assoc. prof, Michigan, 57-58, 59; Res. fcls. Am. Coun. Learned Socs. & Soc. Sci. Res. Coun, 60-61; Fulbright res. scholar, 60-61. U.S.A.A.F. 42-45, Sgt. Sociol. Asn. Demography; urban sociology. Publ: Translation of Emile Durkheim's L'Education morale, Macmillan, 61; co-auth. The study of college peer groups: problems and prospects for research, Aldine, 68; auth. Sociology: rules, roles and relationships, Dorsey, 66. Address: Dept. of Sociology, University of North Carolina, Chapel Hill, N.C. 27515.

WILSON, PROF. FRANCIS G(RAHAM), b. Junction, Tex, Nov. 26, 01. POLITICAL SCIENCE. A.B. Texas, 23, A.M., 24; California, 24-25; Ph.D. Stanford, 28. From instr. to prof, Washington (Seattle), 28-39; assoc. prof. POLIT. SCI, ILLINOIS, URBANA, 39-41, prof, 41-87, EMER. PROF, 87-; PROF, C.W. POST COL, LONG ISLAND, 87- Soc. Sci. Res. Coun. fel, Int. Labor

Orgn, Geneva, 31-32. Ed. adv, Modern Age; contrib, Triumph. Polit. Sci. Asn. American political thought; modern politics; political theory and public opinion. Publ: American political mind; Theory of public opinion; Political thought in National Spain, Stipes, 67. Address: Dept. of Political Science, C.W. Post College, Long Island University, Greenvale, N.Y. 11548.

WILSON, PROF. G(EORGE) D(OWMAN), b. Conyers, Ga, June 10, 11; m. 44; c. 1. POLITICAL SCIENCE, HISTORY. A.B. Mercer, 34; M.A. Georgia, 39; North Carolina, 50-53. Instr. SOC. SCI, Ga. Inst. Tech, 47-50; asst. prof, BERRY COL, 53-56, ASSOC. PROF, 56- Polit. Sci. Asn. Municipal and metropolitan government; political behavior; public administration. Publ: Comparative study of the forms of city government in Georgia. Address: Dept. of Social Science, Berry College, Mt. Berry, Ga. 30149.

WILSON, DR. GEORGIA H(AMILTON), b. Pelham Manor, N.Y., Oct. 3, 05. POLITICAL SCIENCE. A.B. Columbia, 26, A.M., 27; J.D. N.Y. Univ, 30; Chicago, 36-38. Tutor soc. sci, Hunter Col, 29-30; instr. polit. sci, Brooklyn Col, 30-55, asst. prof, 55-68; RETIRED. Polit. Sci. Asn. Courts of New York; responsibility of public officers; administrative law. Address: 2711 Ave. K, Brooklyn, N.Y. 11210.

WILSON, PROF. GERTRUDE, b. Dana, Ill, Sept. 23, 95. SOCIAL SCIENCE. Ph.B. Chicago, 20, M.A., 38. Prof. soc. group work, Pittsburgh, 38-50; SOC. WELFARE, CALIFORNIA, BERKELEY, 51-63, EMER. PROF, 63- Proj. dir. Nat. Study Serv, 62-64. Consult, training cmn, Nat. Fedn. Settlements, 62-, soc. serv. dept, City of San Francisco, 62-65; sch. soc. serv, St. Louis, 66; grad. dept. soc. work, San Francisco State Col, 67. Chmn. group work practice cmt, Asn. Soc. Workers, 55-59. Agnes Van Driel award, Coun. Soc. Work Ed, 62. Group Psychother. Asn. Social work indicative of its generic base. Publ: Social group work practice, Houghton, 49. Address: 916 Hildale Ave, Berkeley, Calif. 94708.

WILSON, DR. GLEN P(ARTEN), b. Waco, Tex, Dec. 10, 22; m. 53. PSYCHOLOGY. B.S. Texas, 43, fel. & M.A., 48, Ph.D. (psychol), 52. Asst. Texas, 48-51, instr. psychol, 51-52; res. consult. & psychologist, Univ. Illinois contract with U.S. Dept. Air Force, Lackland Air Force Base, 52-53; gen. mgr, Tex. Ed. Devices Co, Tex, 53-54; asst. to Senator Lyndon B. Johnson, 55-57; mem. staff, Senate Preparedness Invest. Submt, 57-58, coordinator tech. info, Senate Spec. Cmt. Space & Astronaut, 58-59, chief clerk, SENATE CMT. AERONAUT. & SPACE SCI, 59-61, PRFNL. STAFF MEM, 61-U.S.N., 44-46. AAAS; Inst. Aeronaut. & Astronaut; Astronaut. Soc. Space legislation; aeronautical engineering. Address: 433 New Jersey Ave. S.E., Washington, D.C. 20003.

WILSON, DR. GORDON G(ILBERT), b. Huntington, N.Y., May 9, 28; m. 51; c. 1. CLINICAL PSYCHOLOGY. B.A. Iowa, 50; M.S.W. Denver, 54, Ph.D. (clin. psychol), 60. Case-worker, Family & Children's Serv, 54-56; clin. psychologist, Forest Heights Lodge, Evergreen, Colo, 57-58; U.S. Pub. Health Serv, 59-65; Arapahoe Ment. Health Center, Colo, 65-66; CHIEF PSYCHOLOGIST, JEFFERSON COUNTY MENT. HEALTH CENTER, LAKEWOOD, COLO, 66- Private practice clin. psychol, 59-; consult, Northeast Colo. Ment. Health Clin, Sterling, 59-; Sopris Ment. Health Clin, Glenwood Springs, Colo, 64-; U.S. Pub. Health Serv, Dept. Justice, Bur. Prisons, 65-U.S.A., 50-52, Res, 52-, Maj. Psychol. Asn; fel. Orthopsychiat. Asn; Nat. Asn. Soc. Workers; Acad. Cert. Soc. Workers. Relation of psychological test data to real life behavior. Address: Lakewood Consulting Group, 10111 W. 26th Ave, Lakewood, Colo. 80215.

WILSON, DR. HAROLD JAMES, Psychol, Sociol, see 10th ed, Soc. & Behav. Vols.

WILSON, PROF. H(ARPER) H(UBERT), b. Springfield, Mass, June 18, 09. POLITICAL SCIENCE. B.S. Springfield Col, 32; A.M. Clark, 39; Ph.D. Wisconsin, 47. Econ. analyst, War Prod. Bd, 42-43; asst. prof. POLITICS, PRINCETON, 47-50, assoc. prof, 50-62, PROF, 62- Consult, State Reorgn. Cmn, Conn, 49; Nat. Farmers Union, 50. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. American political institutions. Publ: Roots of political behavior; The problem of internal security in Great Britain, 1948-1953; Pressure group: the campaign for commercial television. Address: Dept. of Politics, Princeton University, Princeton, N.J. 08540.

WILSON, PROF. HELEN E(LIZABETH), b. Battle Creek, Mich, Mar. 14, 16. CLINICAL PSYCHOLOGY. B.A. Mich. State, 38; M.A. Denver, 50; Ph.D. (clin. psychol), Utah, 58. Rehab. dir, state & city tuberc. asms, 39-49; psychologist, Billings Ment. Hyg. Clin, Mont, 50-54, 56-61; part-time teaching, res. & ther. diag. testing, Provo State Hosp. & child health center, Utah State Univ, 54-56; PROF. PSYCHOL, EAST MONT. COL, 61- Field assessment officer, Peace Corps, Montana State Univ, summers, 65 & 67. Consult, Mont. State Hosp, 58-59; Herrod Aviation Co, 64-66. Psychol. Asn. Clinical diagnosis; application of diagnosis to practical use in industry and medicine. Publ: What is Anna (film), 58; co-auth. What now Anna? (film), spring 68. Address: Dept. of Psychology, Eastern Montana College, Billings, Mont. 59101.

WILSON, DR. HOWARD, b. Chicago, Ill, Jan. 19, 19. INDUSTRIAL RELATIONS, ECONOMICS. B.A. Central YMCA Col, 43; M.A. Northwestern, 46; Ed.D. Columbia, 53. Prof. bus. & econ, Loyola (Ill), 47-52; counsr, Vet. Admin. & vis. prof. personnel & psychol, Seton Hall, 52; dir. human rels. projs. & nat. ed-indust. progs, Chicago, 53-57; dir. mgt. center & prof. personnel & mgt, Marquette, 57-66; DIR. HUMAN RESOURCES DEVELOP, INDUST. ED. INST, BOSTON, MASS, 66- Prof, Ill. Inst. Tech, 47-50; vis. prof, N.Y. Univ, 50. Econ. Asn; Indust. Rel. Res. Asn; Acad. Polit. & Soc. Sci. Psychology; management development programs in industry; human relations in industry; guaranteed annual wages. Publ: Understanding and motivating employees; Improving supervisory skills; Management processes. Address: 1015 Kenton Rd, Deerfield, Ill. 60015.

WILSON, DR. IAN CLARKE, b. Edinburgh, Scotland, Aug. 1, 21; U.S. citizen; m. 53; c. 4. PSYCHIATRY. M.B. Ch.B. Edinburgh, 46, dipl. pub. health, 50; dipl. psychol. med, Leeds, 56. Jr. med. officer, Stratheden Hosp, Cupar, Scotland, 50-53; resident psychiat, Univ. Leeds, 53-56; sr. med. officer,

- Menston Hosp, Leeds, 56-58; clin. dir. res, Broughton Hosp, Morganton, N.C., 58-63; RES. PSYCHIATRIST, RES. DIV, N.C. DEPT. MENT. HEALTH, 63- Lectr, North Carolina, 59- Consult, N.C. Sch. Deaf, Morgantown, 58-63; N.C. Dept. Correction, 67- R.A.M.C., 47-49, Capt. Classification and treatment of depression; organic memory impairment. Publ: Co-auth, A controlled study of treatments of depression, J. Neuropsychiat, 63; auth, Simultaneous death in schizophrenic twins, Arch. Gen. Psychiat, 64; Imipramine in the treatment of depression: prediction of therapeutic outcome, Psychosomatics, 66. Address: Dorothea Dix Hospital, Raleigh, N.C. 27602.
- WILSON, DR. JAMES, b. Irondequoit, N.Y., Feb. 28, 26; m. 51; c. 4. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B., Rochester, 51; M.A., Syracuse, 57, Resources Future fel, 60-61, Ph.D.(polit. sci), 63. Asst. to personnel dir, Pfaunder Co, 51-53; instr. polit. sci, Middlebury Col, 55-58; instr. govt. & dir. bur. res. munic. govt, Bowdoin Col, 58-62; asst. prof. pub. admin, Pittsburgh, 62-64; POLIT. SCI, Vermont, 64-66; ASSOC. PROF. & COORDINATOR PUB. ADMIN. PROG, NORTHERN ILLINOIS, 66- Res. analyst, budget div, State Vt, 64, dir. revenue res, dept. admin, 66; consult, Ford Found, W. Pakistan, 68-69. U.S.A., 44-46. Soc. Pub. Admin; Polit. Sci. Asn; Int. City Mgr. Asn. Inter-relation of administration and politics; resource administration; municipal government. Address: 325 Joanne Lane, De Kalb, Ill. 60115.
- WILSON, DR. JAMES J(OSEPH), Exp. Psychol, see 10th ed, Soc. & Behav. Vols.
- WILSON, PROF. JAMES NEWTON, b. Erie, Pa, Aug. 9, 15; m. 35; c. 3. GEOGRAPHY. B.S., Edinboro State Col, 38; M.A., Columbia, 42, Ed.D.(geog), 49. Instr. GEOG, Teachers Col, Columbia, 46-49; Hunter Col, 49; Towson State Col, 49-50; from asst. prof. to PROF. CALIF. STATE COL. LONG BEACH, 50-, chmn. dept, 62-64, dir, Nat. Defense Ed. Act Inst. Geog, 66. State coordinator, Calif. Coun. Geogr, 65- U.S.N., 43-46, Res, 46-50, Lt. Nat. Coun. Geog. Ed; Asn. Am. Geog. Political geography; geography of western Europe and California; geography in public schools. Publ: Handbook on political geography of Orient, Columbia, 49; co-auth, Day tours in Southern California, Los Angeles Geog. Soc, 66; auth Pineapple industry of Hawaii, Econ. Geog. Mag, 48. Address: Dept. of Geography, California State College, Long Beach, Calif. 90804.
- WILSON, PROF. JAMES Q(UINN), b. Denver, Colo, May 27, 31; m. 52; c. 2. POLITICAL SCIENCE. B.A., Redlands, 52; Wilson fel, Chicago, 56-57, M.A., 57, Hillman fel, 57-58, Harper fel, 58-59, Ph.D.(polit. sci), 59. Instr. polit. sci, Chicago, 59-60, asst. prof, 60-61; lectr. GOVT, HARVARD, 61-63, assoc. prof, 63-66, PROF, 67-, mem. res. staff, joint center urban studies, Mass. Inst. Tech. & Harvard, 61-63, dir, 63-66. U.S.N., 52-55, Res, 55-, Lt. Polit. Sci. Asn. City government and politics; public administration and bureaucracy; theories of organization. Publ: Negro politics: search for leadership; Amateur Democrat: club politics in three cities; co-auth, City politics, Harvard, 63. Address: Littauer 318, Harvard University, Cambridge, Mass. 02138.
- WILSON, DR. JAMES W(ARNER), b. Schenectady, N.Y., Apr. 27, 23; m. 45; c. 2. PSYCHOLOGY. B.S., St. Lawrence, 44; M.A., Rochester, 47; Ph.D.(ed), Chicago, 54. Instr. psychol, Rochester Inst. Tech, 47-48, voc. adv. counseling center, 48-52, mem. staff, ed. res. off, 52-54, coordinator, 54-59, dean col. gen. studies, 59-68, dir. center ed. & instr. res, 66-68; RES. PROF. COOP. ED, NORTHEASTERN, 68- Exec. dir, Study of Coop. Ed, 58-59; res. dir, Nat. Cmn. Coop. Ed, 65- Ed. Res. Asn; Asn. Instr. Res. Curriculum planning and educational evaluation; noncognitive influences upon learning; teaching and appraising critical thinking. Publ: Co-auth, Work-study college programs: appraisal and report of the Study of Cooperative Education; Need for restandardizing altered tests, Am. Psychol; Do suitable interests and mental ability lead to job satisfaction? Ed. & Psychol. Measurement. Address: Northeastern University College of Education, Boston, Mass. 02115.
- WILSON, DR. J(AMES) WATSON, b. New Castle, Pa, Feb. 1, 13; m. 54; c. 1. PSYCHOLOGY. A.B., Muskingum Col, 35; fel, Yale, 40-42, M.A., 42, Ph.D. (ed. psychol), 43. Dir. instr, New Haven Jr. Col, 42-45; consult. psychologist, Rohrer, Hibler & Replogle, 45-53; PARTNER, NORDLI, WILSON ASSOCS, 53- V.pres. & dir, Student Achievement Inst, Inc, 64- Dipl. Am. Bd. Exam. Prinl. Psychol. Psychol. Asn; fel. Soc. Group Psychother; Soc. Clin. Hypnosis. Management consulting; bibliography; hypnotherapy. Publ: Correlation of clinical estimates with test scores on mental ability and personality tests & Treatment of attitudinal pathoses by bibliography, a case study, J. Clin. Psychol; The growth of a company—a psychological case study, Adv. Mgt. J, 1/66. Address: 27 Elm St, Worcester, Mass. 01608.
- WILSON, JAMES W(EBER), b. Portland, Ore, Mar. 17, 12; m. 36; c. 3. BUSINESS ADMINISTRATION. B.Sc., Washington (Seattle), 34, M.B.A., 52. Asst. prof. mkt, British Columbia, 53-58; assoc. prof. bus. admin, American Univ, 58-59; bus. analyst, res. studies div, Small Bus. Admin, 59-61; sr. scientist, mgt. res. group, George Washington, 61-63, assoc. prof. lectr. bus. admin, univ, 59-63; TRADE SPECIALIST, BUR. INDIAN AFFAIRS, INDUST. DEVELOP. BR, U.S. DEPT. INTERIOR, 63- Instr, Naval Reserve Officers Sch, 60-61. U.S.N.R., 33-63, Capt. Mkt. Asn; Statist. Asn. Marketing; management; industrial development; government procurement. Publ: Essential records for identification and re-establishment of individual rights; Marketing maps of British Columbia. Address: 5110 Baltimore Ave, Washington, D.C. 20016.
- WILSON, JOHN D(ONALD), b. McKeesport, Pa, Feb. 8, 13; m. 51; c. 4. ECONOMICS. B.A., Colorado, 35; M.A., Tufts, 37; Sheldon traveling fel. & M.A., Harvard, 40. Instr. econ, Harvard, 37-40; ed, Surv. Current Bus, U.S. Dept. Commerce, 40-42; econ. ed. & publisher, McGraw-Hill Pub. Co, 46-50; sr. analyst, New York Life Ins. Co, 50-51; v.pres. in charge ops, Inst. Int. Ed, 51-53; bus. consult, Chase Nat. Bank, 53-54; v.pres. & dir. econ. res, CHASE MANHATTAN BANK, 54-63, sr. v.pres. corp. planning, 63-67, SR. V.PRES. & GROUP EXEC. CORP. PLANNING & RES, 67- Trustee, Inst. Int. Ed, 64- Mem. Coun. For. Rels; chmn. econ. policy cmt, U.S. Coun. Int. Chamber of Commerce, 66- U.S.N.R., 43-46, Lt.(jg). Econ. Asn; Finance Asn; Statist. Asn. Analysis of developments in banking and the money market; economic and business forecasting; analysis of international economic trends, including trends in other countries. Address: 6 Sunset Ave, Bronxville, N.Y. 10708.
- WILSON, DR. JOHN E(DWARD), Indust. Psychol, see 10th ed, Soc. & Behav. Vols.
- WILSON, DR. JOHN L(INCOLN), Statist, see 10th ed, Soc. & Behav. Vols.
- WILSON, DR. JOHN M, b. Washington, D.C., May 7, 31; m. 53. SOCIOLOGY, CRIMINOLOGY. B.J., Missouri, 54; M.A., Maryland, 58, Ph.D.(sociol), 64. Spec. res. investr. criminol. res, D.C. Dept. Corrections, 57; res. investr, Am. Correctional Asn, 58; instr. sociol, Maryland, 58-63; gen. secy, Am. Correctional Asn, 63-65; LECTR. SOCIOL, MARYLAND, 65-66, ASST. PROF, 66- Ford Found. res. investr, Correctional Res. Assocs, Inc, 62-63. Sig.C, U.S.A., 56-57. Sociol. Asn; Correctional Asn; Nat. Coun. Crime & Delinquency. Criminological theory and research with specific emphasis upon the synthesis of the broader areas of sociological theory and research. Publ: The role of the therapeutic community in correctional institutions of the future, Key Issues, 65; An evaluation of the Presidential Crime Commission report, Am. J. Correction, 7-8/67; Socialization and juvenile delinquency, In: Delinquency prevention, Prentice-Hall, 67. Address: Dept. of Sociology, University of Maryland, College Park, Md. 20742.
- WILSON, DR. JOHN OLIVER, b. St. James, Mo, May 22, 38; m. 61; c. 1. ECONOMICS. B.A., Northwestern, 60; Ph.D.(econ), Michigan, 67. Staff mem, inst. pub. admin, Univ. Michigan, 64-65; sr. economist, Midwest Res. Inst, Mo, 67; ASST. PROF. ECON, YALE, 68- Consult, Midwest Res. Inst, Mo, 66- Mem. panel experts, Los Angeles Times, 67- U.S.N., 60-63, Lt. Econ. Asn; Regional Sci. Asn. State and local government taxation and fiscal policy; regional differences in the United States in social welfare; urban economic problems. Publ: Auth, Missouri State Tax Study, Midwest Res. Inst, 68; State differences in social welfare, Los Angeles Times, 10/67. Address: Dept. of Economics, Yale University, New Haven, Conn. 06520.
- WILSON, DR. JOHN TODD, b. Punxsutawney, Pa, Mar. 7, 14; m. 39. PSYCHOLOGY. A.B., George Washington, 41; M.A., Iowa, 42; Nat. Res. Coun. fel, Stanford, 46-48, Ph.D.(psychol), 48. Asst. exec. secy, Am. Psychol. Asn, 48-49; asst. prof. psychol, George Washington, 49; head personnel & training res. br, Off. Naval Res, 49-52; prog. dir. psychol, Nat. Sci. Found, 52-55, asst. dir. biol. & med. sci, 55-61; spec. asst. to pres, Chicago, 61-63; dep. dir, Nat. Sci. Found, 63-68; V.PRES. & DEAN FACULTIES, CHICAGO, 68- U.S.N.R., 42-46. Psychol. Asn. Human learning; psychobiology; research administration. Publ: Remote associations as a function of the length of interval between learning and recall & Formation and retention of remote associations in rote learning, J. Exp. Psychol; Psychology and the behavioral sciences, Current Trends in Psychol. & Behav. Sci. Address: University of Chicago, Chicago, Ill. 60637.
- WILSON, DR. KELLOGG V(AN NOTE), b. Lincoln, Nebr, Apr. 24, 27; m. 51; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A., Nebraska, 49, M.A., 51; summer fel, ling. inst, Indiana, 53; Ph.D.(psychol), Illinois, 54. Asst. psychol, Illinois, 51-52, inst. commun. res, 52-54, res. assoc, control syst. lab, 54-55; asst. prof. psychol, Duke, 55-58; Kent State, 58-60; asst. prof. med. psychol. & res. psychologist, Nebr. Psychiat. Inst, 60-65; ASSOC. PROF. COMPUT. SCI, ALBERTA, 65- Electronics engr, Hughes Aircraft Co, 54; summers, fel, inst. appl. math. soc. sci, Stanford, 57, 62, res. fel, Michigan, 59. AAAS; Psychol. Asn; Psychomet. Soc. Human decision making; perception and language; applications of mathematics in psychology. Publ: Forms of social control in two-person, two-choice games, Behav. Sci. Address: Dept. of Psychology, University of Alberta, Edmonton, Alta, Can.
- WILSON, DR. KENNETH M(EADE), b. Natchitoches, La, Aug. 18, 23; m. 52; c. 2. EDUCATIONAL PSYCHOLOGY. A.B., Northwest State Col.(La), 46, A.M. Peabody Col, 49; fel, Harvard, 53-54, Ed.D.(guid), 59. Voc. counsr, Northwest State Col.(La), 46-47; instr. ed. & psychol, E.Tenn. State Col, 49-51; asst. dir. counseling serv, Princeton, 54-55, lectr. psychol. & dir. counseling serv, 55-58; res. assoc. higher ed, South. Regional Ed. Bd, 58-65; DIR. COL. RES. CENTER, 65- U.S.A.F., 43-46, Sgt. Psychol. Asn; Asn. Instr. Res. Research in higher education; development of an educational-research function in colleges and universities; interinstitutional models in educational research; career development; personnel selection; counseling and guidance. Publ: Co-auth, Faculty development procedures in small colleges, 63 & auth, Of time and the doctorate, 65, South. Regional Ed. Bd. Address: College Research Center, Vassar College, Box 50, Poughkeepsie, N.Y. 12601.
- WILSON, LAWRENCE A(DOLPHUS), b. Ganado, Tex, Sept. 14, 12; m. c. 4. STATISTICS. Illinois. Statistician, Illinois, 32-36; dir. state pub. health statist, Ill, 37-39; La, 40-42; chief tabulation, U.S. Census, 43-45; SR. ENGR. INT. BUS. MACH. CORP, 45- Int. Bus. Mach. Corp. fel, 64- Consult, UN, 52. AAAS; Statist. Asn; Pop. Asn. Invention-development engineering. Publ: Co-auth, Simplified method of factorial analysis, Psychometrika. Address: 21950 McKean Rd, San Jose, Calif. 95120.
- WILSON, DR. LEONARD S(ELTZER), Geog. See 11th ed, Phys. & Biol. Vols.
- WILSON, DR. LOGAN, b. Huntsville, Tex, Mar. 6, 07; m. 32; c. 2. SOCIOLOGY. A.B., Sam Houston State Col, 26; A.M., Texas, 27; A.M., Harvard, 38, Ph.D., 39, LL.D., 63; LL.D., Tulane, 53, Texas Christian, 55, Rhode Island, 61, Washington (St. Louis), 62, Oakland, 64, Mercer, 64, Del. State Col, 64, Franklin & Marshall Col, 64, Delaware, 66, Mich. State, 68; Litt.D., North-eastern, 63. Asst. prof. Eng, E.Texas State Col, 28-30, 32-36; res. assoc. sociol, Harvard, 36-37, tutor, 37-39; assoc. prof, Maryland, 39-41; prof. & head dept, Tulane, 41-43; Kentucky, 43-44; dean, Newcomb Col, Tulane, 44-51; acad. v.pres. & provost, Consol. Univ. N.C., 51-53; pres, Texas, 53-60, chancellor, 60-61; PRES. AM. COUN. ED, 61- Trustee, various orgn, 56- Distinguished serv. medallion, Asn. Tex. Cols. & Univs, 66. AAAS; Sociol. Asn. Sociology of the professions; sociological theory. Publ: The Academic man;

Oxford Univ, 42; co-auth, Sociological analysis, Harcourt, 49; ed, Emerging patterns in higher education, Am. Coun. Ed, 65. Address: American Council on Education, 1785 Massachusetts Ave. N.W., Washington, D.C. 20036.

WILSON, DR. LOWELL E, b. New Concord, Ky, Oct. 5, 29; m. 54; c. 2. AGRICULTURAL ECONOMICS. B.S. Murray State Col, 53; M.S. Kentucky, 57; Ph.D. Illinois, 60. Asst. dairy mkt, Kentucky, 55-56; Illinois, 56-60; asst. agr. economist, AUBURN, 60-61; asst. prof. agr. econ. & dairy mkt, 61-63; assoc. prof. AGR. ECON, 63-68, PROF, 68-, ASST. AGR. ECONOMIST, 61-Mem, Gov. Cmt. to Study Milk Indust, Ala. U.S.A. 53-54. Agr. Econ. Assn. Marketing; teaching; study of costs and practices involved in the distribution of milk. Publ: Co-auth, Institutional arrangements influencing the movement of milk in the South, South. Coop. Series Bull, Tenn. Agr. Exp. Sta, 4/65; Market values and transfers of milk quotas in Alabama, Ala. Agr. Exp. Sta, 3/66; Milk control in Alabama, State of Ala, 2/67. Address: Dept. of Agricultural Economics, Auburn University, Auburn, Ala. 36830.

WILSON, PROF. LUCY REED, b. Hartsville, S.C., Sept. 23, 31; m. c. 5. PSYCHOLOGY, EDUCATION. B.S. S.C. State Col, 47; M.S. Indiana, 56, Danforth fel, 58, univ. fel, 59, Ed.D.(guid. counseling), 60. Dean women, Albany State Col, 56-57; dir. student personnel, Claflin Col, 57-58, chmn. div. ed. & psychol, 60-62; asst. prof. dir. guid. serv, Ed. Testing Serv, N.J., 62-63; assoc. prof. psychol, Southern Univ, 64-67; PROF. PSYCHOL. & DIR. TESTING, TENNESSEE STATE, 67- Consult, Southwest Ed. Develop. Lab, 66-67; Headstart Res. & Eval. Prog, Boston Univ, 66-67; consult & writer, Community Adv. Prog, Baton Rouge, La, 67-68. Statistician, pattern practice in teaching standard Eng. proj, Claflin Col, 61-62; dir, Nat. Defense Ed. Act Inst. Teachers of Disadvantaged Youth proj, Southern Univ, summer, 67. Psychol. Assn; Personnel & Guid. Assn. Disadvantaged children, especially their characteristics, learning styles and how they are motivated. Publ: The learning process; characteristics of disadvantaged teachers and students, Southern Univ, 65; Motivation for the oppressed, Guid. Conf. Proc, S.C. Ed. Dept, 62. Address: Dept. of Psychology, Tennessee State University, Nashville, Tenn. 37203.

WILSON, DR. MARTHA H(ELSON), b. Bryn Mawr, Pa, Jan. 7, 29; m. 54; c. 4. PSYCHOLOGY. A.B. Bryn Mawr Col, 50; M.A. Yale, 53, Mary E. Ives fel, 54-55, Ph.D., 55. Asst. PSYCHOL, Brooklyn Col, 50-51; Texas, 52; dept. neurophysiol, res. labs, Inst. Living, 54-55, res. assoc, dept. exp. psychol, 57-58; vis. lectr. & res. assoc, Colorado, 59-60; RES. ASSOC, Bryn Mawr Col, 60-64; CONNECTICUT, 64- Asst. prof, Rosemont Col, 61-62. Psychol. Assn; Psychonomic Soc. Physiological mechanisms underlying learning, perception and other behavioral processes. Publ: Effects of circumscribed cortical lesions upon somesthetic and visual discrimination in the monkey, J. Comp. & Physiol. Psychol; Inferotemporal cortex and the processing of visual information in monkeys, Neuropsychologia, 68. Address: Dept. of Psychology, U-152, University of Connecticut, Storrs, Conn. 06268.

WILSON, DR. M(AURICE) P(AUL), Exp. Psychol, see 11th ed, Phys. & Biol. Vols.

WILSON, PROF. M(ILBOURNE) O(TTO), b. Piedmont, Mo, Nov. 3, 90; m. 19; c. 2. PSYCHOLOGY. B.S. Southeast Mo. State Teachers Col, 19; M.A. Chicago, 20, fel, 24-25, Ph.D.(psychol), 25. Sch. supt, Mo, 20-22; asst. prof. PSYCHOL, OKLAHOMA, 22-27, assoc. prof, 27-35, prof, 35-60, chmn. dept, 42-55, EMER. PROF, 60- Psychologist, Child Guid. Clin, Oklahoma City, 38-41. U.S.A. 17-19, 2nd Lt. Elementary psychology; psychology for teachers; symbolism in white rat. Publ: Group relations in social psychology; Emerging problems in social psychology. Address: 5610 Lewis St, Dallas, Tex. 75206.

WILSON, DR. M(ILBURN) L(INCOLN), Agr. Econ, see 10th ed, Soc. & Behav. Vols.

WILSON, PROF. MILLARD F(ILLMORE), b. Sanderson, Fla, Oct. 16, 11. COMMERCE. B.A.E. Florida, 39, M.A.E. 40; Duke, 40. Dean men, Andrew Jackson, 44-48; ASSOC. PROF. COMMERCE, CATAWBA COL, 48-, CHMN. DEPT, 44-, DIR. PLACEMENT OFF, 49- Sociol. Assn; Acad. Polit. & Soc. Sci; Acct. Assn; Mkt. Assn; Soc. Adv. Mgt; Admin. Mgt. Soc. Terminal guidance and commerce. Publ: Co-auth, Principles of advertising, Pitman, 64; auth, The Office-2000 A.D., Admin. Mgt. Soc, 66. Address: Dept. of Commerce, Catawba College, Salisbury, N.C. 28144.

WILSON, O(RLANDO) W(INFIELD), Criminol, see 10th ed, Soc. & Behav. Vols.

WILSON, DR. PAUL D, b. Palatine, Ill, Apr. 30, 29; m. 58; c. 2. PSYCHOLOGY. B.A. Chicago, 59, Nat. Sci. Found. fel, 61, Ph.D.(psychol), 64. U.S. Pub. Health Serv. fel, neurophysiol, center brain res, Rochester, 64-66; lectr. PSYCHOL, CALIFORNIA, RIVERSIDE, 66-67, ASST. PROF, 67-U.S.A. 53-55, Sgt. AAAS; Psychol. Assn. Visual mechanisms; development of brain and behavior reticular formation's sensory function. Address: Dept. of Psychology, University of California, Riverside, Calif. 92502.

WILSON, PROF. PHYLLIS COLLINS, b. Wallingford, Vt, June 16, 07; m. 32; c. 1. COUNSELING, GUIDANCE. A.B. Radcliffe Col, 26; M.A. Columbia, 36, Ed.D. 42. Teacher high sch, Mass, 26-28, Conn, 28-29; N.J. 29-30; N.Y. 30-33; asst. guid. teachers col, Columbia, 40-42; consult. psychol, N.Y. & N.J. 42-43; dir. guid. Hasbrouck Heights, N.J. 43-52; asst. prof. Ed. QUEENS COL, 52-59, assoc. prof, 60-65, PROF, 66- Dir. Nat. Defense Ed. Act, Counseling & Guid. Inst, 61; Voc. & Ed. Act grant, Counselor Ed. Inst, 65. Dipl. Am. Bd. Exam. Prfl. Psychol, 43. Psychol. Assn; Personnel & Guid. Assn; Group Psychother. Assn; Nat. Coun. Measurement in Ed. Selection and prediction for trainees for guidance and counseling. Publ: New directions in vocational guidance, 65; Criteria for the construction of the problem in a group; Improving reasoning ability on educational problems. Address: 205 West End Ave, New York, N.Y. 10023.

WILSON, PROF. R(AMON) B, b. Ogden, Utah, Sept. 22, 22; m. 45; c. 5. AGRICULTURAL ECONOMICS, MARKETING. B.S. Utah State, 47; M.S. Purdue, 48, Ph.D.(agr. econ), 50. Asst. agr. econ, Purdue, 47-50; exten. economist, Utah State, 50-53; mkt. economist, Calif. Dept. Agr, 53-55; asst.

prof. AGR. ECON, PURDUE, 55-57, assoc. prof, 57-63, PROF, 63-, ASST. DIR, COOP. EXTEN. SERV. & COORDINATOR, UNIV. EXTEN. ADMIN. & COOP; EXTEN, 63-, mkt. serv. dir, coop. exten. serv, 60-63. Consult, Boone County Rural Elec. Mem. Corp, 61; Ind. Farm Bur. Coop. Assn, 61; Statewide Rural Elec. Corp, Ind, 67; agr. adv. to Lt. Gov, 60-; adv, Goodwill People-to-People Travel Prog, 62- Chmn, adv. cmn. coop. work with state depts. agr, U.S. Dept. Agr, 66-72. U.S.A. 42-46, Capt. Agr. Econ. Assn. Agricultural marketing, especially management of marketing firms. Publ: Eastern market for Indiana hogs, Purdue Agr. Exten. Serv. Bull; Expanding nearby markets for Indiana broilers, Purdue Agr. Exten. Mimeo; Marketing orders for turkeys, Turkey Producer. Address: Cooperative Extension Service, Purdue University, Lafayette, Ind. 47907.

WILSON, RICHARD E(DWARD), b. Vallejo, Calif, Aug. 30, 27. ECONOMICS, POLITICAL SCIENCE. A.B. Stanford, 55, M.A. 56. Asst. ECON, Stanford, 57-58; asst. prof, NEVADA, 59-60, 61-67, LECTR, 67- U.S.A. 46-47. Econ. Assn. Nevada case study of legal and institutional constraints in water allocation. Publ: Economic growth: Lincoln County, Nev. Bus. Rev. Address: Dept. of Economics, University of Nevada, Reno, Nev. 89507.

WILSON, DR. ROBERT C(HARLES), Psychol, see 10th ed, Soc. & Behav. Vols.

WILSON, DR. ROBERT G(EORGE), b. Beaver Falls, Pa, Apr. 14, 13; m. 42; c. 2. CLINICAL PSYCHOLOGY. A.B. Geneva Col, 35; Ph.D. Western Reserve, 50. Asst. psychol, Western Reserve, 46-47; clin. psychologist, Hearing & Speech Center, Cleveland, 47-49, Pub. Health & Welfare Dept, 49-52; sch. psychologist, Cleveland Bd. Ed, 52-53; clin. psychologist, 53-54; Vet. Admin. Ment. Hyg. Clin, 54-56; psychologist, Rohrer Hibler & Replogle, 56-59; from asst. to the pres. to exec. v-pres, Curtis Indust, Inc, 59-61; SR. ASSOC, MGT. PSYCHOLOGIST ASSOCS, 61- U.S.A. 41-46, Capt. AAAS; Psychol. Assn; Acad. Psychother. Industrial consulting; projective techniques in personality assessment; dynamic factors in perceptual experience; psychotherapy; executive assessment; management development. Address: 40 Grandmere Dr, Bedford, Ohio 44146.

WILSON, PROF. ROBERT N(EAL), b. Syracuse, N.Y., Nov. 15, 24; m. 48; c. 2. SOCIOLOGY. B.A. Union (N.Y.), 48; Ph.D.(sociol), Harvard, 52. Asst. psychol. clin, Harvard, 49-51; res. assoc, Cornell, 51-53; mem. staff, Soc. Sci. Res. Coun, 53-56; lectr, Harvard Med. Sch, 57-60; assoc. prof. sociol, Yale, 60-63; prof. epidemiol, SCH. PUB. HEALTH, NORTH CAROLINA, 63-66, PROF. MENT. HEALTH & CHMN. DEPT, 66- Fel, Center Adv. Study in Behav. Sci, 56-57; vis. scientist, Nat. Sci. Found-Am. Sociol. Assn, 64, 67. U.S.A. 43-46, Sgt. Sociol. Assn. Sociology of the arts and medicine; social structure and personality. Publ: The give and take in hospitals; Explorations in social psychiatry; Man made plain. Address: School of Public Health, University of North Carolina, Chapel Hill, N.C. 27515.

WILSON, PROF. ROBERT R(ENBERT), b. Hillsboro, Tex, Oct. 10, 98; m. 28; c. 1. POLITICAL SCIENCE. A.B. Austin Col, 18, LL.D., 40; A.M. Princeton, 22; Ph.D. Harvard, 27. Asst. prof. POLIT. SCI, DUKE, 25-27, assoc. prof, 27-29, prof, 29-61, JAMES B. DUKE PROF, 61-, LECTR. INT. LAW, LAW SCH, 48-, chmn. dept. polit. sci, 34-48, dir. grad. studies, 37-47, 49-64. Vis. prof, North Carolina, 40; vis. Fulbright prof, Istanbul, Turkey, 51-52. Asst. treaty div, U.S. Dept. State, 31-32, adv. commercial treaties, 44-46, consult, 46-53, For. Rels, 60-64. Polit. Sci. Assn; Soc. Int. Law (pres, 57-58). Publ: International law standard in treaties of the United States; United States commercial treaties and international law; ed. & co-auth, International law standard and commonwealth developments, Duke, 66. Address: Dept. of Political Science, Duke University, Durham, N.C. 27706.

WILSON, DR. RONALD S(AMUEL), b. Greensboro, N.C., Mar. 30, 33; m. 54; c. 2. PSYCHOLOGY. B.S. Davidson Col, 55; M.S. Yale, 57, Ph.D. 59. Asst. PSYCHOL, Yale, 55-59; asst. prof, Iowa, 59-65; ASSOC. PROF, SCH. MED, LOUISVILLE, 65-, DIR. CHILD DEVELOP. UNIT, 67- AAAS; Psychol. Assn; Soc. Psychophysiol. Res. Autonomic functioning and behavior; human motivation; growth and development. Publ: On behavior pathology, Psychol. Bull; 63; Analysis of autonomic reaction patterns, Psychophysiology, 67; Cardiac response: stability of principal components, J. Comp. Physiol. Psychol, 68. Address: Child Development Unit, University of Louisville, 511 S. Floyd St, Louisville, Ky. 40202.

WILSON, PROF. SAMUEL MACK, b. Newport, Tenn, Feb. 25, 21; m. 44; c. 1. ECONOMICS. B.A. Maryville Col; M.B.A. & Ph.D.(econ), Pennsylvania. Instr. MGT, TEMPLE, 48-55, asst. prof, 55-58, assoc. prof, 58-61, PROF, 61-, CHMN. DEPT, 68- Consult, U.S. Dept. Air Force, 55. U.S.M.C. 43-46, 51-52, Res, 52-, Lt. Col. Soc. Adv. Mgt. Work measurement and productivity studies in government and industry; management, especially production and industrial relations; business organization and administration. Publ: Company methods of employment stabilization & The role of management engineering in the Marine Corps, Bus. & Econ. Bull; Scientific management invades the Armed Forces, Armed Forces Mgt. Address: 1730 Susquehanna Rd, Abington, Pa. 19001.

WILSON, DR. THEODORE RAYMOND, b. Baltimore, Md, July 17, 31. ECONOMICS. A.B. Hopkins, 53; Fulbright fel, Paris, 53-54; Overbrook fel, Yale, 54-55, M.A. 55; Harrison fel, Pennsylvania, 58-59, Ph.D.(Am. civilization), 61. Proj. adminstr, Smith, Kline & French Labs, Pa, 55-57; instr. econ, Pennsylvania, 58-59; hist, Baltimore, 59-60; asst. prof. econ, Franklin Col, 60-61; confidential asst. to undersecy. labor, 61; economist, bd. gov. Fed. Reserve Syst, 61-62; asst. prof. sociol, Goucher Col, 62-63; prog. assoc. govt. U.S. Off. Ed, 63-64; sr. res. analyst, Prudential Ins. Co. Am, 64-66, sr. res. consult, 66; ASST. PROF. ECON, UNION COL.(N.Y.), 66- Fel, center behav. sci, George Washington, 62. Econ. Assn; Sociol. Assn; Hist. Assn. History; psychological and sociological study of the formative influence on great men, especially statesmen; sociological, economic and psychological interpretations on history; international economics; money and banking; macroeconomics and business cycles. Publ: Birth of greatness: A sociological and psychological study of the formative influences on Woodrow Wilson. Address: 1051 Waverly Place, Schenectady, N.Y. 12308.

WILSON, DR. THOMAS ARTHUR, Econ, see 10th ed, Soc. & Behav. Vols.

- WILSON, PROF. THURLOW R(AMSEY), b. Oakland, Calif. Mar. 14, 28. PSYCHOLOGY. B.A. Stanford, 50; M.A. Harvard, 52, Ph.D. 56. Asst. prof. psychol. New Mexico, 55-57, res. psychologist, Syst. Develop. Corp. 57-58, asst. prof. psychol. Pittsburgh, 58-64; sr. res. analyst, Prudential Ins. Co. N.J., 64-66; ASSOC. PROF. DIV. TEACHER ED, CITY UNIV. N.Y. 66- U.S.A. 46-47. Psychol. Asn; Ed. Res. Asn. Education of aggressive, defiant student; small group experiments; attitude change; mathematical models. Publ: Randomness of the distribution of social organization forms, Am. Anthropol. Variance of the number of mutual choices in sociometry, Psychometrika. Address: Office of Research & Evaluation, Division of Teacher Education, City University of New York, 535 E. 80th St, New York, N.Y. 10021.
- WILSON, PROF. ULREY K(AULBACH), b. Trinidad, Colo. July 23, 11; m. 40. EDUCATIONAL PSYCHOLOGY. A.B. Chattanooga, 34; M.A. Duke, 45; Ed.D. Fla. State, 57. PROF. PSYCHOL. & CHMN. DEPT. PSYCHOL. & ED, CHATTANOOGA, 46- Human rels. consult, 46- Psychol. Asn. Prediction of academic achievement; human learning. Address: Dept. of Psychology, University of Chattanooga, Chattanooga, Tenn. 37403.
- WILSON, DR. WARNER, b. Jackson, Miss. July 27, 35. SOCIAL PSYCHOLOGY. B.A. Chicago, 56; M.A. Arkansas, 58; Ph.D. Northwestern, 60. Teaching asst. soc. psychol. Northwestern, 57-60; instr. Hawaii, 60-61, asst. prof. 61-65; ASSOC. PROF. PSYCHOL. ALABAMA, 65- Lectr. eve. div. Northwestern, 59-60; summer, trainee, Downey Vet. Admin. Hosp. Ill, 59. AAAS. Race, intergroup & interpersonal relations; adjustment and its relation to personal and cultural values. Publ: Co-auth, Shifts in evaluation of participants following intergroup competition, J. Abnorm. & Soc. Psychol. 63: 428-431; Projection, attraction, and strategy choices in intergroup competition, J. Personality & Soc. Psychol. 2: 432-435; auth, Correlates of avowed happiness, Psychol. Bull. 67: 294-306. Address: Dept. of Psychology, University of Alabama, P.O. Box 6234, University, Ala. 35486.
- WILSON, DR. W(ILLIAM) A(UGUST), Physiol. Psychol. see 11th ed, Phys. & Biol. Vols.
- WILSON, DR. W(ILLIAM) CODY, b. Trumann, Ark. July 3, 26; m. 52; c. 2. SOCIAL PSYCHOLOGY. B.A. Arkansas, 50; M.A. Denver, 53; Ph.D. Harvard, 61. Res. assoc. ed. psychol. Harvard, 57-61, instr. 59-61; vis. assoc. prof. California, Los Angeles, 61; asst. prof. Texas, Austin, 61-63, assoc. prof. 63-65; asst. dir. BEHAV. SCI. ADV. RES. PROJ. AGENCY, 65-66, DIR. 66- Psychol. Asn; Soc. Psychol. Study Soc. Issues. Personality development in adolescence; structure of values and attitudes; behavior as a joint function of personality and social norms. Publ: Extrinsic religious values and prejudice, J. Abnorm. & Soc. Psychol.; Development of ethnic attitudes in adolescence, Child Develop; Opinion and behavior, Exp. Soc. Psychol. Address: Advanced Research Projects Agency, Washington, D.C. 20301.
- WILSON, DR. WILLIAM J(ULIUS), b. Derry Twp, Pa. Dec. 20, 35; m. 57; c. 2. SOCIOLOGY. B.A. Wilberforce, 58; M.A. Bowling Green State, 61; Bobbs-Merrill award, Washington State, 63-64, univ. fel. 64-65, Ph.D. (sociol.), 65. ASST. PROF. SOCIOL. MASSACHUSETTS, AMHERST, 65- Univ. Massachusetts faculty res. grant, 66-67; vis. scholar-in-residence award, Concordia Col. 68. U.S.A. 58-60. Sociol. Asn; Soc. Study Social Probs. Development of strategies in theory construction, concept formation and formalization; problems of Negro education and Negro protest movements. Publ: Co-auth, Formalization and stages of theoretical development, Pac. Sociol. Rev. fall 64, Aspects of concept formation explication and theory construction in sociology, Am. Sociol. Rev. 12/67 & Rules of correspondence and sociology concepts, Sociol. & Soc. Res. 1/68. Address: Dept. of Sociology, University of Massachusetts, Amherst, Mass. 01002.
- WILSON, PROF. WILLIAM R(ONALD), b. Detroit Lakes, Minn. Nov. 7, 94; m. 19. PSYCHOLOGY. A.B. Washington (Seattle), 17, M.S. 20, Ph.D. (psychol.), 25. Asst. prof. PSYCHOL. Ohio State, 25-27, assoc. prof. 27-29; prof. WASHINGTON (SEATTLE), 29-64, EMER. PROF. 64- Clin. psychologist, Camp Sherman, Ohio, 18; ed. serv. 29th Gen. Hosp. 19; personnel technician, Adj. Gen. Off. 44-45. Psychol. Asn. Teaching of psychology. Address: Dept. of Psychology, University of Washington, Seattle, Wash. 98105.
- WILSON, DR. WOODROW, b. Ripley, Ohio, Nov. 2, 12; m. 46; c. 3. BUSINESS ADMINISTRATION. B.Sc. Ohio State, 37 & 46; M.A. Denver, 52, Ed.D. (bus. admin.), 54. Acct. Goodyear Tire & Rubber Co. 37-41, 47-49; assoc. prof. BUS. ADMIN. Morris Harvey Col. 54-56; ASSOC. PROF. & CHMN. DEPT. WITTENBERG, 56- A.U.S. 41-46, Capt. Am.Acct. Asn. Address: 127 Kewbury Rd, Springfield, Ohio 45504.
- WILSONCROFT, DR. WILLIAM E, b. Pittsburgh, Pa. May 2, 37. EXPERIMENTAL PSYCHOLOGY. B.A. Muskingum Col. 60; Nat. Defense Ed. Act. fel. Claremont Grad. Sch. & Grad. Center, 61-63, M.A. 63, Ph.D. (psychol.), 65. Res. specialist PSYCHOL. Pac. State Hosp. Pomona, Calif. 65-66; ASST. PROF. SAN FERNANDO VALLEY STATE COL. 66- AAAS; Psychol. Asn; Human Factors Soc. Comparative and physiological psychology; vision and vigilance. Publ: Co-auth, Tail, paw and pup retrieving in the rat, 3: 494 & auth, Chew-through behavior in rats, 9: 41, Psychonomic Sci; co-auth, Perceptual motor deficits and phi phenomena, Am. J. Ment. Deficiency, 71: 797-800. Address: Dept. of Psychology, San Fernando Valley State College, 18111 Nordhoff St, Northridge, Calif. 91324.
- WILTSE, DR. KERMIT T(IGNER), b. Lisbon, N.Dak. May 24, 15. SOCIOLOGY. A.B. North Dakota, 37; A.M. Chicago, 40; D.S.W. Pittsburgh, 50. Asst. prof. soc. work, CALIFORNIA, BERKELEY, 50-56, assoc. prof. SOC. WELFARE, 56-67, PROF. 67- U.S.A. 42-45. Professional skill in public assistance administration; purpose and goals of public welfare services. Publ: Social casework in public assistance; Education and social welfare, Ann. Am. Acad. Polit. & Soc. Sci. Address: School of Social Welfare, University of California, Berkeley, Calif. 94720.
- WILTSEY, PROF. GLENN G(ORDON), b. Hemingford, Nebr. May 12, 03; m. 31; c. 1. POLITICAL SCIENCE. A.B. Nebr. Wesleyan, 30; A.M. Nebraska, 31, Ph.D. (pub. admin), Chicago, 44. Prof. GOVT. Cent. Y.M.C.A. Col. 35-45; assoc. prof. ROCHESTER, 45-50, PROF. 50-, chmn. dept. 45-62. Polit. Sci. Asn. American government and politics; public law. Address: Dept. of Government, University of Rochester, Rochester, N.Y. 14627.
- WILTSHIRE, DR. E(DGAR) BEVAN, b. Christchurch, N.Z. Nov. 22, 29; m. 65; c. 2. PSYCHOLOGY. B.A. New Zealand, 54, M.A. 57; Ph.D. (psychol.), London, 64. Asst. master, high sch. N.Z. 56; asst. voc. guid. officer, voc. guid. center, Dept. Ed. Lower Hutt, 57-58; intern psychologist, Sunnyside Hosp. & Templeton Sch. Dept. Health, Christchurch, N.Z. 58-59; psychologist, ment. health clin. Dept. Pub. Health, Prince Albert, Sask. 60-61, 64-65; lectr. psychol. univ. & chief psychologist, Univ. Hosp. SASKATCHEWAN, 65-67, ASSOC. PROF. PSYCHOL. 67- Asst. clin. prof. psychiat. col. med, Saskatchewan, 66-, dir. psychol. serv. Univ. Hosp. 67- Psychol. consult, voc. cmt, Lutheran Church Am. 66- Am. Psychol. Asn; Can. Psychol. Asn; Brit. Psychol. Soc; N.Z. Psychol. Soc. Development of perception in normal children; perceptual processes in the schizophrenic syndrome in childhood; training of clinical psychologists; psychological education of physicians and psychiatrists. Publ: The fifth international congress of child psychiatry; a retrospective review, 11/62 & Clinical psychology in Saskatchewan: a training proposal, 5/66, Sask. Psychologist. Address: Dept. of Psychology, University of Saskatchewan, Saskatoon, Sask. Can.
- WIMBERGER, DR. HERBERT C, b. Salzburg, Austria, Mar. 14, 28; U.S. citizen. m. 56; c. 3. CHILD PSYCHIATRY, PEDIATRICS. M.D. Vienna, 53. Res. pediat. Milwaukee Children's Hosp. Wis. 55-57; teaching fel. psychiat. Harvard Med. Sch. 57-61; lectr. psychol. Simmons Col. 59-61; instr. PSYCHIAT. SCH. MED. WASHINGTON (SEATTLE), 61-64, ASST. PROF. 64-, DIR. CHILD PSYCHIAT. CLIN. 62- Res. psychiat. McLean Hosp. Boston, Mass. 57-59. Consult. Seattle Sch. Dist. 65- Psychiat. Asn; Orthopsychiat. Asn; Col. Psychiat. Mother-child communication; learning disability; school underachievement. Publ: Conceptual system for classification of psychogenic school underachievement, J. Pediat. 12/68; The therapeutic effect of a single intake interview on child psychiatry patients, Am. J. Psychother. in press; A behavior check for use in child psychiatry clinics, J. Am. Acad. Child Psychiat. in press. Address: Division of Child Psychiatry, University of Washington School of Medicine, Seattle, Wash. 98105.
- WIMBERLY, PROF. STAN(LEY) E(UGENE), b. Chicago, Ill. Feb. 18, 15; m. 39; c. 2. PSYCHOLOGY. A.B. Florida, 38, M.A. 39; Ph.D. (psychol.), Michigan, 44. Asst. prof. psychol. Florida, 41-45, assoc. prof. 46-51, prof. 51-64, asst. dean col. arts & sci. 49-64; PROF. PSYCHOL. FLORIDA ATLANTIC, 64-, V.PRES. ACAD. AFFAIRS, 67-, dean col. soc. sci. 64-67. Asst. prof. & res. assoc. Michigan, 45-46. Psychol. Asn. Measurement of personality and of intelligence; animal learning; university administrative procedures. Address: Office of Academic Affairs, Florida Atlantic University, Boca Raton, Fla. 33432.
- WIMER, DR. CYNTHIA C(ROSBY), Comp. Physiol. Psychol. see 11th ed, Phys. & Biol. Vols.
- WIMER, PROF. KURT, b. Ittlingen, Germany, June 27, 15; nat; m. 49; c. 2. INTERNATIONAL RELATIONS. B.S. East Stroudsburg State Col. 44; M.A. N.Y. Univ. 45, Ph.D. 57. Instr. soc. studies, EAST STROUDSBURG STATE COL. 46-51, assoc. prof. 51-57, PROF. SOC. SCI. 57-, HEAD DEPT. 63- Am. Philos. Soc. res. grant, 60; Rockefeller Found. res. grant, 61-62; Am. Coun. Learned Soc. res. grant, 65. Polit. Sci. Asn; Hist. Asn. Woodrow Wilson's political philosophy; American government. Publ: A President appeals to the people, In: Cases in American government, Prentice-Hall, 66; Woodrow Wilson tries conciliation-an effort that failed, In: Woodrow Wilson and the League of Nations, Holt, 67; The Harding administration, the League of Nations, and the separate peace treaty, Rev. of Polit. 1/67. Address: R.D. 3, Box 98, Stroudsburg, Pa. 18360.
- WIMER, DR. RICHARD E, Comp. Physiol. Psychol. see 11th ed, Phys. & Biol. Vols.
- WINANS, PROF. EDGAR VINCENT, b. Salt Lake City, Utah, Apr. 23, 30; m. 52; c. 2. ANTHROPOLOGY. B.A. California, Los Angeles, 52, M.A. 54, Ford Found. for. area training fel. 56-57, Soc. Sci. Res. Coun. fel. 58, Ph.D. 59. Acting instr. anthropol. California, Los Angeles, 55-56; instr. Washington (Seattle), 57-59; California, Riverside, 59-60, asst. prof. 60-62, assoc. prof. anthropol. & asst. dean letters & sci. 62-65; assoc. prof. ANTHROP. WASHINGTON (SEATTLE), 65-66, PROF. 66- Asst. res. prof. & asst. dir. culture & ecol. in East Africa, California, Los Angeles, 61- Consult. Pac. State Hosp. Pomona, Calif. 63-65. Fel. Anthropol. Asn; fel. African Studies Asn. Archaeology and ethnology of Mexico; African ethnology and history, particularly political, legal and economic structure, and process of change induced by culture contact and European administration. Publ: Constitution of a traditional state; co-auth, Shambala family, In: Family estate in Africa, Routledge, 64; Hehe magical justice, Am. Anthropologist, 8/64. Address: Dept. of Anthropology, University of Washington, Seattle, Wash. 98105.
- WINANS, PROF. J(AMES) MERRITT, b. Spokane, Wash. Mar. 1, 12; m. 46; c. 2. PSYCHOLOGY. A.B. California, 39, M.A. 48, Ph.D. (ed), 50. Instr. Eng. City Col. of San Francisco, 46-49; PSYCHOL. Bakersfield Col. 49-50; asst. prof. SACRAMENTO STATE COL. 50-53, assoc. prof. 53-58, PROF. 58-, chmn. dept. psychol. 63-64, chmn. div. soc. sci. 64-67, U.S.N.R. 42-46, Lt. Comdr. Psychol. Asn. Psychology of human relations; social psychology. Publ: Co-auth, Growing from infancy to adulthood. Address: 46 Sandburg Dr, Sacramento, Calif. 95819.
- WINCH, PROF. D(AVID) M(ONK), b. London, Eng. July 22, 33; m. 57. ECONOMICS. B.Sc. London, 54, Gerstenberg scholar, 54-55, Rees Jeffreys scholar, 56-57, Ph.D. (econ), 57; Royal Ins. Col. fel. Yale, 55-56. Res. assoc. ECON. Toronto, 57-58; spec. lectr. Saskatchewan, 58-60; asst. prof. Alberta, 60-63, assoc. prof. 63-66; vis. prof. Toronto, 65-66; PROF. Mc-

MASTER, 66- Econ. consult, City of Saskatoon & Saskatoon Bd. Trade, 59-60. Am. Econ. Asn; Can. Econ. Asn; Royal Econ. Soc. Microeconomic theory; welfare economics; highway economics. Publ: Economics of highway planning, Univ. Toronto, 63; Input and output determination under imperfect competition, Can. J. Econ. & Polit. Sci. 60; Consumer's surplus and the compensation principle, Am. Econ. Rev. 65. Address: Dept. of Economics, McMaster University, Hamilton, Ont, Can.

WINCH, PROF. ROBERT F(RANCIS), b. Lakewood, Ohio, Aug. 31, 11. SOCIAL PSYCHOLOGY. A.B. Western Reserve, 35; A.M. Chicago, 39, Ph.D., 42. Assoc. prof. SOCIOL. Vanderbilt, 46-48; NORTHWESTERN, 48-55, PROF. 55-, CHMN. DEPT. 87- Soc. Sci. Res. Coun. fel, 45-46; Guggenheim fel, 55-56. U.S.N., 42-45. Psychol. Asn; Sociol. Asn; Statist. Asn. Personality and motivation; courtship, marriage and the family. Publ: Modern family; Mate selection; Identification and its familial determinants. Address: Dept. of Sociology, Northwestern University, Evanston, Ill. 60201.

WINCHESTER, DR. THOMAS H(OLLAND), Clin. Psychol, see 10th ed, Soc. & Behav. Vols, deceased 64.

WINDAL, DR. FLOYD WESLEY, b. Bradley, Ill, Sept. 23, 30; m. 64. ACCOUNTING. B.S. Illinois, Urbana, 52, M.S. 55, Ph.D.(acct), 59. Mem. audit staff, Arthur Andersen & Co, Ill, 52, Calif, 58-59; asst. & instr. ACCT, Illinois, Urbana, 54-58; asst. prof. MICH. STATE, 59-63, ASSOC. PROF. 63-66. Price Waterhouse Found. fel, Stanford, 66-67. Qm.C, U.S.A. 52-54, 1st Lt. Inst. Cert. Pub. Acct; Am. Acct. Asn; Nat. Asn. Acct. Accounting theory; managerial accounting. Publ: The accounting concept of realization, Mich. State Univ, 61; Standards of reliability for audit evidence, N.Y. Cert. Pub. Acct, 6/61; Legal background for the accounting concept of realization, Acct. Rev, 1/63. Address: Dept. of Accounting & Financial Administration, Michigan State University, East Lansing, Mich. 48823.

WINDER, DEAN C(LARENCE) L(ELAND), b. Osborne Co, Kans, June 16, 21; m. 43; c. 2. PSYCHOLOGY. A.B. California, Los Angeles, 43; M.A., Stanford, 46, Ph.D.(psychol), 49. Acting instr. psychol, Stanford, 48-49, asst. prof, 49-52, assoc. prof, 52-61; prof. MICH. STATE, 62-67, DEAN COL. SOC. SCI, 67-, chmn. dept, psychol, 63-67. Fund for Adv. Ed. faculty fel, 52-53. Clin. psychol. consult, Vet. Admin, 49; consult, Nat. Inst. Ment. Health, 64-68. U.S.A.A.F., 42-45. Psychol. Asn. Clinical psychology. Publ: Co-auth, Peer nomination inventory: an empirically derived sociometric measure of adjustment in preadolescent boys, Psychol. Reports, 9: 643-667; Parental attitudes associated with social deviance in preadolescent boys, J. Abnorm. Soc. Psychol, 64: 418-424; Professional preparation of clinical psychologists, Proc. Conf. Prnl. Prep. Clin. Psychologists, Am. Psychol. Asn., 65. Address: 1776 Hitching Post Rd, East Lansing, Mich. 48823.

WINDES, DR. JAMES DUDLEY, b. Phoenix, Ariz, May 10, 37; m. 58; c. 2. PSYCHOLOGY. B.A. Arizona State, 59; Woodrow Wilson fel, Minnesota, 59-60; M.A., Arizona, 63, NASA fel. & Ph.D.(psychol), 66. ASST. PROF. PSYCHOL, NORTHERN ARIZONA, 66- Psychol. Asn. Experimental-theoretical psychology. Address: Dept. of Psychology, Northern Arizona University, Flagstaff, Ariz. 86001.

WINDESHAUSEN, DR. H. NICHOLAS, b. Osmond, Nebr, May 16, 23; m. 46; c. 2. MARKETING. B.S. Nebraska, 54, M.A., 55, Ph.D.(mkt), 62. Teaching asst, Nebraska, 54-55, instr. bus. orgn. & mgt, 55-62; asst. prof. mkt. SACRAMENTO STATE COL, 62-65, ASSOC. PROF. MKT. & CHMN. DEPT. & COORDINATOR GRAD. STUDIES, SCH. BUS. ADMIN, 65- Summers, assoc. dir, Peace Corps Training Prog, Philippines, 65 & Brazil, 66. Res. & mkt. consult, 63- U.S.N., 42-46. Mkt. Asn. Marketing management, research and problems; research for business. Publ: Sacramento teenage market study. Advert. Club Sacramento, 64; Hours of operation in retail stores, In: Management research summary, Small Bus. Admin, 61; Teenagers as a market, Univ. Wash. Bus. Rev, 2/65. Address: 3908 Pounds Ave, Sacramento, Calif. 95821.

WINDHAM, PROF. GERALD O(NIEL), b. Booneville, Miss, Dec. 15, 31; m. 57; c. 2. SOCIOLOGY, ECONOMICS. B.S. Miss. State, 54, M.S. 55; Ph.D. Pa. State, 60. Asst. sociologist, MISS. STATE, 55-56, instr. SOCIOL, 59-60, asst. prof, 60-61, ASSOC. PROF. 61-64, PROF. 64- Dir. sch. alcohol studies, Miss. State & Community Alcoholism Ed. Prog, 64-66; dir, Miss. Ment. Health Cmn. Alcoholism, 65; adv. sociol, U.S. Agency Int. Develop-Njala Univ. Col, Sierra Leone, 66-68. Sociol. Asn; Rural Sociol. Soc; Asn. Adv. Study Alcohol & Narcotics (v.pres, 67-68). Sociology of health; migration; social stratification; mental health of alcoholism; social psychiatry; social and cultural factors in health problems in Sierra Leone; sociology of international development. Publ: Social participation of housewives, Sociol. & Soc. Res, 63; Preadult socialization and subsequent achievement, Soc. Forces, 64; The Mississippi adult and beverage alcohol, Soc. Sci. Res. Center, Miss. State Univ, 65. Address: Dept. of Sociology & Rural Life, Mississippi State University, State College, Miss. 38762.

WINDLE, DR. CHARLES D(AVID), b. Cleveland, Ohio, Sept. 18, 25; m. 50; c. 2. PSYCHOLOGY. B.A. Oberlin Col, 49; M.A. Columbia, 50, Ph.D. 52. Res. intern psychopathology, State Psychiat. Inst. N.Y., 49-51; asst. dir. selection res, Iowa, 51-52; res. scientist, HumRRO, 52-55; supvr. personnel res, Iranian Oil Explor. & Producing Oil, 55-57; res. psychologist, Pac. State Hosp, 57-59; adv. prog. develop, HumRRO, 59-61; chmn. oper. appl. res. div. spec. ops. res. off, American Univ, 61-63, asst. dir. res. rev, 63-67; MEM. PROF. STAFF, TEMPO, 67- U.S.A., 43-46. Psychol. Asn; Soc. Psychol. Study Social Issues. Research in military psychology, social psychology and psychopathology. Publ: Test-retest effect on personality questionnaires, Ed. & Measurement, 56; Factors in the passage of sterilization legislation, Pub. Opinion Quart, 66; Effects of military civic action on attitudes, Center Res. Soc. Sysys, American Univ, (in press). Address: 2425 N. Taylor St, Arlington, Va. 22207.

WINDMILLER, DR. MARSHALL, b. Sacramento, Calif, June 29, 24; m. 60. POLITICAL SCIENCE. B.A. Univ. of the Pacific, 48; Rotary Found. fel, Paris, 48-49; Ford Found. fel, India & Univ. Pennsylvania, 52-54; M.A., Cali-

fornia, Berkeley, 54, Ph.D.(polit. sci), 64. Res. polit. scientist India, California, Berkeley, 54-59; assoc. prof. INT. RELS, SAN FRANCISCO STATE COL, 59-68, PROF. 68- Sig.C, U.S.A., 43-46. Polit. Sci. Asn. United States foreign policy; national security policy; politics of developing areas; communism and revolution. Publ: Co-auth, Communism in India, Univ. California, 59; auth, Five years on free radio, T.L.D. Press, 65. Address: Dept. of International Relations, San Francisco State College, 1600 Holloway St, San Francisco, Calif. 94132.

WINDMULLER, PROF. JOHN P(HILIP), b. Dortmund, Germany, Dec. 4, 23; nat; m. 47; c. 2. LABOR ECONOMICS. B.A. Illinois, 48; M.S. Cornell, 50, Ph.D.(labor), 51. Asst. prof. INDUST. & LABOR RELS, CORNELL, 51-54, assoc. prof, 54-61, PROF. 61- Ford Found. Int. Rels. fel, 57-58; vis. prof. & sr. Fulbright scholar, Free Univ, Amsterdam, 64-65. Consult. State Labor Dept, N.Y., 60. U.S.A.A.F. & U.S.A., 43-48. Indust. Rels. Res. Asn; Econ. Asn; Int. Soc. Labor Law & Social Legis. International and foreign labor movements; American labor history and government; collective bargaining. Publ: The Netherlands industrial relations system, Cornell, 68; International labor movements, Harper, 68; Foreign policy conflict in American labor, Polit. Sci. Quart, 67. Address: 604 Mitchell St, Ithaca, N.Y. 14840.

WINE, DR. RUSSELL LOWELL, Statist, see 11th ed, Phys. & Biol. Vols.

WINER, PROF. B(EN) J(AMES), b. Portland, Ore, June 18, 17. PSYCHOLOGY, STATISTICS. B.S. Oregon, 39, M.S. 41; Ph.D. Ohio State, 52. Asst. prof. & Ford Found. fel, North Carolina, 52-54; assoc. prof. PSYCHOL. & STATIST, PURDUE, 54-59, PROF. 59- Consult. ed, Psychol. Bull, 67- Psychol. Asn; Statist. Asn; Inst. Math. Statist; Psychomet. Soc.(asst. ed, Psychometrika, 53-61, ed, 61-66, pres, 67-68). Psychometrics; experimental design; industrial psychology. Publ: Statistical principles in experimental design; Method of factoring large numbers of items & Measure of interrelationship for overlapping groups, Psychometrika. Address: Dept. of Psychology, Purdue University, Lafayette, Ind. 47907.

WINER, DR. HAROLD R(OBERT), b. New York, N.Y., Sept. 6, 20; m. 41; c. 3. CLINICAL PSYCHOLOGY. B.S. Utah State Agr. Col, 41; fel, Minnesota, 41-42; fel, Purdue, 50, M.S. 52, Ph.D.(clin. psychol), 54. Clin. psychologist, Vet. Admin, 50-54; Dallas child guid. clin, 54-62. Private practice, 54-Dir. psychol. serv, Childrens Develop. Center, 54-56. U.S.N., 43-46, Lt.(jg). Psychol. Asn; Soc. Proj. Tech; Group Psychother. Asn. Individual and group psychotherapy. Address: 8616 N.W. Plaza Dr, Dallas, Tex. 75225.

WINER, DR. LEON, b. Bucharest, Romania, June 5, 29; U.S. citizen; m. 53; c. 2. BUSINESS ADMINISTRATION, MANAGEMENT SCIENCE. B.S. Long Island, 50; M.B.A., Rutgers, 58; Ph.D.(bus. admin), Columbia, 63. Chemist, Tenneco, 54-57; pricing supvr, Nat. Starch Prod, 57-58; planning analyst, Mobil Oil Corp, 62-66; BUS. SCIENTIST, MGT. SCI. SERV. DEPT, INT. BUS. MACH. CORP, 66- Lectr. mkt, grad. div, Baruch Sch, City Col. New York, 64- U.S.A., 51-53. Mkt. Asn. Marketing planning; financial analysis; model-building; corporate planning. Publ: Are you really planning your marketing, 1/65, A profit oriented decision system for marketing, 4/66 & Obtaining maximum volume from gasoline stations, 7/67, J. Mkt. Address: Management Science Services Dept, International Business Machines Corp, Armonk, N.Y. 10504.

WINSTONE, DR. ROBERT L(OUIS), b. Portland, Ore, Nov, 22, 15; m. 44; c. 2. ECONOMICS. B.A. Oregon, 39, M.A., 42; Minnesota; Ph.D.(econ), Northwestern, 54. Instr. ECON, Minnesota, 46-47; Northwestern, 47-50; asst. prof, Coe Col, 50-51; assoc. prof, Wichita, 53-56; economist, Rand Corp, 56-65; ops. res. scientist, Syst. Develop. Corp, 65; mem. res. staff, Res. Anal. Corp, 66-68; ECONOMIST, FED. R.R. ADMIN, DEPT. TRANSPORTATION, 68- Economist, Nat. Prod. Authority, Defense Prod. Admin. & U.S. Bur. Budget, 51-53; lectr, exten, California, 64-66; Calif. State Col. Los Angeles, 65-66; Maryland, 66. U.S.A., 41-46, Lt. Econ. Asn. Fiscal policy and taxation; economic theory; government regulation of business; manned simulation experiments. Publ: Undistributed profits tax as a counter cyclical device; A reexamination of discriminatory price practices; Military price index, Res. Anal. Corp, 68. Address: 6504 Callander Dr, Bethesda, Md. 20034.

WINFIELD, DR. DON L(ACY), b. Birmingham, Ala, June 28, 20; m. 44; c. 4. CLINICAL PSYCHOLOGY. A.B. Birmingham-Southern Col, 42; M.A. Pennsylvania, 49, Ph.D.(psychol), 50. DIR. ELECTROENCEPHALOG. & PSYCHOL. LAB, Le BONHEUR CHILDREN'S HOSP, 52- Res. assoc. med. sch, Tennessee, 53-54, asst. prof, 55-64, assoc. prof, 64-, dir. lab, 55-, clin. psychologist, Kennedy Vet. Admin. Hosp, 50-54, chief electroencephalog. lab, 51-54. Private consult, 52-; consult, Tenn. Psychiat. Hosp. & Res. Inst, Memphis, 62- U.S.A.A.F., 42-46. Psychol. Asn; Electroencephalog. Soc; Med. Electroencephalog. Asn. Clinical electroencephalography and neurophysiology. Publ: Intellectual performance of cryptogenic epileptics, symptomatic epileptics and posttraumatic encephalopathy, J. Abnorm. & Soc. Psychol; Serial EEGs of patients receiving INH therapy, Electroencephalog. Clin. Neurophysiol; co-auth, Psychomotor epilepsy in brain tumors, J. South. Med. Asn. Address: EEG Lab, Le Bonheur Children's Hospital, 848 Adams, Memphis, Tenn. 38103.

WING, DR. CLIFF W(ALDRON), JR, b. Reed City, Mich, Dec. 28, 22; m. 49; c. 2. PSYCHOLOGY. B.A. Grand Rapids, 43; M.A. Denver, 48; Ph.D.(psychol), Tulane, 51. From staff assoc. to asst. prof. psychol, Tulane, 51-65, dir. admissions, 56-65; ASSOC. PROF. PSYCHOL. & DIR. STUDENT RESOURCES, DUKE, 65- Phillips Found. fel, 62-63; asst. dean, Harvard, 62-63. Consult, U.S. Off. Ed, 65-66. Chmn. cmm. res. Col. Scholar. Serv, 61-64; trustee, Col. Entrance Exam. Bd, 61-64. U.S.N., 43-46, Lt. AAAS; Psychol. Asn. Selection models; educational psychology; assessment. Publ: Measurement of personality, Addison-Wesley, 67; On selecting a college and seeking admission, Am. Coun. Ed, 64; Student selection, the educational environment, and the cultivation of talent, Daedalus, 65. Address: Dept. of Psychology, Duke University, Bldg. 9, Durham, N.C. 27706.

WING, DR. ELIZABETH S, Zool, see 11th ed, Phys. & Biol. Vols.

- WING, DR. KENNETH EVERETT, b. Warsaw, N.Y., May 6, 37. AGRICULTURAL ECONOMICS. B.S. Cornell, 58, M.Ed. 60, Ph.D.(agr. econ), 66. Res. assoc. Cornell, 61-63, lect. acct. 66; asst. prof. agr. econ, MAINE, 66-68, ASSOC. PROF., 68-. U.S.A.R., 60-66. Agr. Econ. Assn. Marketing; market price determination; analysis of price fluctuations. Address: Dept. of Agricultural Economics, 38 Winslow Hall, University of Maine, Orono, Maine 04473.
- WING, PROF. LUCY F., b. Richfield Springs, N.Y., Aug. 17, 15. PSYCHOLOGY. A.B., State Univ., N.Y., 35, B.A., 37; M.A., Columbia, 42; Ph.D., Syracuse, 61. Teacher & librarian, Roscoe Cent. Sch., N.Y., 36-42; librarian, Ballston Spa Pub. Schs., N.Y., 42-44; W. Winfield Cent. Sch., 44-50, v.prin. & guid. counsr., 50-56; instr. child psychol., Syracuse, 57-59; PROF. PSYCHOL., STATE UNIV. N.Y. COL. OSWEGO, 59-. Vis. lectr., interprnl. res. cmn, pupil personnel serv., Maryland, 66-67. Psychol. Assn; Personnel & Guid. Assn. Counseling and guidance; school psychology; pupil personnel services. Publ: Co-auth, Developmental changes in preference for goals difficult to attain, Child Develop. Address: Dept. of Psychology, State University of New York College, Oswego, N.Y. 13126.
- WING, ROSWELL B(ARNETT), b. Kendall, N.Y., Apr. 14, 24; m. 50; c. 1. POLITICAL SCIENCE. B.A., Harvard, 49; M.A., Hopkins, 50; Brussels, 51; George Washington, 57-60. Mem. staff, RES. ANAL. CORP., 52-61, proj. chmn. counterinsurgency studies, 61-66, FIELD OFF. DIR. BANGKOK, THAILAND, 66-. U.S.A.A.F., 42-45. Polit. Sci. Assn; Opers. Res. Soc; Astronaut. Soc; Am. Soc. Int. Law. Administration of occupied territories; social science research methodology; organizational analysis; planning and programming methodology; analysis of subversive insurgency and counterinsurgency; Southeast Asia studies. Address: 4113 Glenridge St, Kensington, Md. 20795.
- WINGATE, PROF. JOHN W(ILLIAMS), b. Talas, Turkey, Feb. 7, 99. BUSINESS ADMINISTRATION, MARKETING. A.B., Carleton Col., 21; M.S., N.Y. Univ., 23, D.C.S., 31. From instr. to assoc. prof., N.Y. Univ., 23-42, PROF., 42-45; retailing, Washington (St. Louis), 45-46; BUS. ADMIN., BARUCH SCH., CITY COL. NEW YORK, 46-, chmn. dept. bus. admin., 64-65, mkt., 65-68. Ed. & founder, New York Retailer, 49-68. Trustee, Nat. Cancer Found., 46-, budget dir. & chmn. personnel practices cmt., Cancer Care Inc., 63-68, pres., 68-. Mkt. Assn; Soc. Psychol. Res. Problems in retail merchandising; fundamentals of retail selling; changing patterns in retailing; buying for retail stores. Publ: Retail merchandising, 7th ed. & Fundamentals of selling, South-Western Pub. 9th Ed; co-auth, Management of retail buying, Prentice Hall, 63. Address: Baruch School of Business, City College of New York, 17 Lexington Ave., New York, N.Y. 10010.
- WINGATE, DR. M(ARCEL) E(DWARD), b. New Castle, Pa., Feb. 27, 23; m. 47; c. 3. PSYCHOLOGY, SPEECH PATHOLOGY. B.S., Grinnell Col., 48; M.S., Washington (Seattle), 52, Ph.D.(clin. psychol.), 56. Psychologist, Childrens Hosp., Seattle, Wash., 54-57; asst. prof. SPEECH PATH., WASHINGTON (SEATTLE), 57-65, ASSOC. PROF., 65-. Psychol. consult., Wash. State Cerebral Palsy Center, Seattle, 54-; diag. consult. to local psychiatrists & pediatricians, 54-. Asst. ed. J. Speech & Hearing Disorders, 62-65. U.S.A., 43-45. Psychol. Assn; Speech & Hearing Assn. Stuttering; language development. Publ: Evaluation and stuttering, 62 & A standard definition of stuttering, 29: 484-489, J. Speech & Hearing Disorders; Stuttering adaptation and learning, J. Speech & Hearing Res., 66. Address: 4410 54th Ave. N.E., Seattle, Wash. 98105.
- WINGFIELD, PROF. CLYDE J(OYCE), b. U.S., Mar. 13, 31; m. 52; c. 2. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A., E.Tex. State Col., 53, M.A., 56; fel., Syracuse, 57-59, D.P.A., 60. Asst. prof. govt. Tex. Tech. Col., 56-57, 59-60; asst. dir. Wash. Seminar, Syracuse, 57-58, res. assoc., 59; asst. prof. POLIT. SCI., Pa. State, 60-62; assoc. prof., Northern Illinois, 62-64; PROF. TEXAS, EL PASO, 64-. Spec. admin. intern., U.S. Dept. Treas., 58. Planning consult., local govt., 58-. Mem., Pa. Borough Officers Training Adv. Cmt., 60-; seminar metropol. res., Brookings Inst., 61. U.S.A.F.R., 54-56, Capt. Polit. Sci. Assn; Soc. Pub. Admin; Regional Sci. Assn. Regional and community development; regional analysis of Upper Susquehanna River Basin. Publ: Pennsylvania township government; co-auth, Decisions in Syracuse & Land use planning. Address: Dept. of Political Science, University of Texas at El Paso, El Paso, Tex. 79999.
- WINGFIELD, PROF. ROBERT C(ORNELIUS), Psychol., see 11th ed, Phys. & Biol. Vols.
- WINGO, T(ULLIUS) LOWDON, JR., b. El Paso, Tex., Jan. 20, 23; m. 49; c. 2. ECONOMICS, URBAN PLANNING. B.A., Chicago, 48, M.A., 50; Littauer fel., Harvard, 56-57, M.P.A., 57. Partner, Wingo Ins. Serv., El Paso, Tex., 50-52; asst. planner, El Paso Dept. City Planning, 52-53, dir. planning, 53-56; RES. ASSOC. PLANNING & ECON. RESOURCES FUTURE, INC., 57-. Consult., Nat. Capital Transportation Agency, 61-; Pan Am. Union-Ed. & Res. Urban Develop. Latin Am., 66-67; Agency Int. Develop.-Stanford Res. Inst. Proj. Urban Infrastruct. on Develop. of Developing Countries, 67; Am-Yugoslav Proj. Urban & Regional Planning, 67. Mem. adminstr's conf. transportation, Housing & Home Finance Agency, 61-. U.S.A., 43-46. Regional Sci. Assn. Urban land use and transportation planning; urban economics; economics and policy making in outdoor recreation; regional economic growth and development; urban and regional development in developing countries. Publ: Transportation and urban land; Cities and space, Hopkins Univ., 63; Urban renewal: objectives, analyses and information systems, In: Regional accounting for policy decisions, Hopkins Univ., 66. Address: Resources for the Future, 1755 Massachusetts Ave. N.W., Washington, D.C. 20036.
- WINICK, PROF. CHARLES, b. New York, N.Y., Aug. 4, 22; m. 61; c. 3. SOCIOLOGY, ANTHROPOLOGY. M.A. & Ph.D., N.Y. Univ., 50. Asst. prof., Rochester, 52-53; res. dir., Anti-Defamation League, 53-55; vis. prof., Mass. Inst. Tech., 56-57; lectr., N.Y. Univ., 57-63, postgrad. center psychother., 59-66; PROF. SOCIOLOGY, CITY COL. NEW YORK, 66-. Dir., Musicians Clin., 57-61; N.Y. State Joint Legis. Cmn. Narcotics, 57-59; vis. prof. Columbia, 61-63; res. dir. Am. Soc. Health Assn, 61-66. U.S.A.R., 42-47, Lt. Col. Sociol. Assn; Asn. Pub. Opinion Res. Publ: Dictionary of anthropology, 56; For the young viewer, 62; The new people, 68. Address: Dept. of Sociology, City College of New York, Convent Ave. & 138th St., New York, N.Y. 10031.
- WINKELMAN, PROF. DEAN RICHARD, Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WINKS, DR. ROBIN W(ILLIAM) E(VERT), Imp., Commonwealth & Diplomatic Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WINN, DEAN WILLIS J(AY), b. Plattsburg, Mo., Apr. 26, 17; m. 42; c. 2. FINANCE. A.B., Cent. Col.(Mo.), 39, hon. LL.D., 59; A.M., Pennsylvania, 40, Ph.D.(econ), 51. Instr. FINANCE, PENNSYLVANIA, 40-42, 46-52, asst. prof., 52-54, assoc. prof., 54-57, PROF., 57-, V.PROVOST, UNIV. & DEAN, WHARTON SCH., 58-; v.dean, 55-57, acting dean, 57-58. Sr. res. assoc., Nat. Bur. Econ. Res., 42-46. Am. Econ. Assn; Finance Assn; Royal Econ. Soc. Investment and security markets; monetary theory and policy; consumer finance and mortgage credit. Address: 212 N. Highland Rd., Springfield, Pa. 19064.
- WINNE, DR. JOHN F(REY), b. Albany, N.Y., July 9, 19; m. 42; c. 4. PSYCHOLOGY. B.A., Michigan, 41, M.S., 42; Ph.D.(psychol.), Pennsylvania, 50. Asst. chief clin. psychologist, Vet. Admin. Hosp., Northampton, Mass., 50-55; PSYCHOLOGIST, U.S. Govt., D.C., 56-65; PSYCHOL. ASSESSMENT ASSOCS., INC., D.C., 65-. Asst. instr., Mass. Dept. Ed., 50-51. U.S.A.A.F., 42-45. Psychol. Assn. Personality organization; assessment of personality; personality and culture. Publ: Co-auth, Psychological changes during the first year following prefrontal lobotomy, Psychol. Mongr.; A second study of changes during the first year following bilateral prefrontal lobotomy, J. Consult. Psychol.; auth, Personality assessment system: a summary, Psychol. Assessment Assocs., Inc., 66. Address: 6340 Bren Mar Dr., Bren Mar Park, Alexandria, Va. 22312.
- WINNICK, DR. LOUIS, b. Romania, Apr. 1, 21; nat; m. 48; c. 2. ECONOMICS. B.A., Brooklyn Col., 46; M.A., Columbia, 47, Ph.D.(econ), 53. Instr. econ, Brooklyn Col., 48-49; Rutgers, 49-50; res. assoc. urban land use, Columbia, 50-55; econ. consult., Off. of Mayor, New York, 55-61, dir. res. & planning housing & redevelopment, bd., 61-63; prog. assoc. pub. affairs, FORD FOUND., 63-64, assoc. dir., 64-66, PROG. OFFICER IN CHARGE URBAN & METROPOLITAN DEVELOP., 66-. Lectr., Columbia, 47-49, 61-62. Consult., State Rent Control Cmn., N.Y., 54; Nat. Acad. Sci., 56-57. U.S.N., 43-45. Econ. Assn; Statist. Assn; Finance Assn; Acad. Polit. & Soc. Sci. Urban economics; housing economics; mortgage market. Publ: Rental housing: an opportunity for private investment; The utilization of American housing; co-auth, Housing market analysis. Address: 46-17 244th St., Douglaston, N.Y. 11362.
- WINNICK, DR. WILMA A., b. New York, N.Y., Dec. 8, 23; m. 48; c. 2. PSYCHOLOGY. A.B., Queens Col.(N.Y.), 44; Sc.M., Brown, 45; Ph.D., Columbia, 49. Instr. PSYCHOL., QUEENS COL.(N.Y.), 46-56, asst. prof., 56-63, ASSOC. PROF., 63-. Nat. Inst. Ment. Health res. grants, 64-. Res. consult., Community Serv. Soc., N.Y., 51-52. Psychol. Assn. Experimental and systematic psychology. Publ: Two sources of distraction in incidental learning, Am. J. Psychol., 66; Short-term intentional and incidental learning, J. Exp. Psychol., 67; Tachistoscopic thresholds following paired-associate learning, J. Verbal Learning & Verbal Behav., 67. Address: Dept. of Psychology, Queens College, Flushing, N.Y. 11367.
- WINOGRAD, DR. EUGENE, Exp. Psychol., see 11th ed, Phys. & Biol. Vols.
- WINSBERG, PROF. MORTON D(ANIEL), b. Chicago, Ill., Aug. 1, 30. GEOGRAPHY. B.S., Illinois, 51, M.S., 54; Ph.D.(geog.), Florida, 58. Asst. prof. geog., E.Carolina Col., 58-62; geog. & geol., Ohio, 62-65; ASSOC. PROF. GEOG., FLA. STATE, 65-. Am. Coun. Learned Soc. grant, Argentina, 60-61; Agr. Develop. Coun. grant, 66; Fulbright lectr., Helsinki & Swedish Schs. Econ., Finland, 67-68. U.S.A.F., 53, Res., 53-, 1st Lt. Geog. Soc; Asn. Am. Geog. Population and settlement in Latin America and the agricultural geography of Argentina. Publ: Colonia Baron Hirsch: a Jewish colony in Argentina, Univ. Florida, 65; Diffusion of modern breeds of cattle in Argentina, Univ. Kansas, 68; Jewish agricultural colonization in Argentina, Geog. Rev., 64. Address: Dept. of Geography, Florida State University, Tallahassee, Fla. 32306.
- WINSBOROUGH, DR. HALLIMAN H(ERRING), b. St. Louis, Mo., Apr. 13, 32; m. 56; c. 1. SOCIOLOGY, DEMOGRAPHY. A.B., Chicago, 52, M.A., 59, Ph.D. (sociol.), 61. Asst. SOCIOLOGY, pop. center, Chicago, 56-60; asst. prof., Ohio State, 60-62; from asst. prof. to ASSOC. PROF., DUKE, 62-. U.S.A., 52-54. Sociol. Assn; Statist. Assn; Pop. Assn. Am. Regional Sci. Assn. Urban industrial and occupational composition; urban population distribution. Publ: Co-auth, Metropolis and region. Address: Dept. of Sociology, Duke University, Durham, N.C. 27706.
- WINSLOW, PROF. C(HARLES) N(ELSON), b. Cumberland Center, Maine, July 7, 07; m. 33; c. 3. PSYCHOLOGY. A.B., Wesleyan, 29; A.M., Columbia, 30, Ph.D.(psychol.), 33. Asst. psychol., Columbia, 31-32; instr., Jr. Col. Bergen Co., N.J., 33-34; tutor philos., Brooklyn Col., 34-37, from instr. to asst. prof., 37-47, Soc. Sci. Res. Coun. fel., 40-41; assoc. prof. PSYCHOL., KENT STATE, 47-48, PROF. & DIR. CLIN., 48-. AAAS; fel. Psychol. Assn. Methods of psychodiagnosis; abnormal behavior of animals; counseling and techniques of psychotherapy. Address: Dept. of Psychology, Kent State University, Kent, Ohio 44240.
- WINSLOW, PROF. C(LINTON) I(VAN), b. Norton Co., Kans., Nov. 27, 93; m. 23; c. 2. POLITICAL SCIENCE. A.B., Nebraska, 18; A.M., Harvard, 23, Ph.D., 31; Chicago, 25, 27; LL.D., Goucher Col., 67. Instr. polit. sci., GOUCHER COL., 23-26, asst. prof., 26-30, assoc. prof., 30-33, prof., 33-62, admin. asst., 43-50, EMER. PROF. POLIT. SCI., 62-. Mem. Staff, col. teachers, Hopkins, 25-42. Consult., Md. Constitutional Convention Cmn., 65-67, del. convention, 67-68. U.S.A., 17-19. Polit. Sci. Assn. Legislative procedure; state legislative committees. Address: Dept. of Political Science, Goucher College, Towson, Md. 21204.

WINSLOW, PROF. DAVID C(LINTON), b. Creston, Iowa, July 15, 14; m. 36; c. 2. GEOGRAPHY. B.A. Oklahoma, 36; M.A. Nebraska, 39; res. fel. Clark, 45-47, Ph.D.(geog), 48. Naturalist-ranger, U.S. Nat. Park Serv, 41-43, summers, 55-56; dust control adv. U.S. Air Force, 43; soil conservationist, U.S. Soil Conserv. Serv, 43-45; vis. assoc. prof. GEOG, Oklahoma, 46; asst. prof. Okla. State, 47-50, 53-55, assoc. prof. 55-57; cartographer, res. div. aeronaut. chart & info. center, U.S. Air Force, 57-58; PROF. INDIANA UNIV. PA, 58- Soc. Sci. Cmt. grant-in-aid, 48-50; Aerospace Seminar scholar, 61; researcher, Bahamas, 68; summer vis. prof. Bloomsburg State Col, 66, 67. Ed. textbooks & atlas, Hq. Air Force Res. Officers Training Corp, Air Univ, 51-53; Okla. Geogr, 53-56; Geog. Geol. & Meteorol. Col. Workbook Series, 50-; Pa. Geogr. GTU Handbook. Asn. Am. Geog. Am. Geog. Soc; Nat. Coun. Geog. Ed; Antiq. Soc; Meteorol. Soc; Int. Geog. Union. Publ: Ed. A workbook in essentials of cartography and mapping, Workbook for earth sciences & A workbook for Latin American geography, W.C. Brown. Address: Dept. of Geography, Indiana University of Pennsylvania, Indiana, Pa. 15701.

WINSLOW, DR. E(ARLE) M(ICAIAH), Econ, see 10th ed, Soc. & Behav. Vols, deceased 66.

WINSLOW, DR. ERIK KENELM, b. Patton, Pa. July 15, 37; m. 65; c. 2. INDUSTRIAL PSYCHOLOGY. B.S. Pa. State, 63; M.S. Western Reserve, 65; Ph.D.(psychol), Case Western Reserve, 67. ASST. PROF. PSYCHOL, CASE WESTERN RESERVE, 67- U.S.N. 55-59. Psychol. Asn. Management development; work motivation; industrial mental health. Publ: Co-auth. Analysis of studies critical of motivation-hygiene theory, Personnel Psychol, 68. Address: 43 Lexington Square, Euclid, Ohio 44143.

WINSLOW, DR. JOHN HATHAWAY, b. Trieste, Italy, Apr. 16, 32; m. 54; c. 2. GEOGRAPHY, ANTHROPOLOGY. A.B. Michigan, 54; fel. California, 60. Asst. geog. California, 58-60; asst. prof. geog. & anthrop. CALIF. STATE COL. HAYWARD, 60-64, LECTR. GEOG, 68- Nat. Sci. Found. sci. faculty fel. Churchill Col, Cambridge, 65-66, Res. Corp. fel. 66-68. U.S.M.C. 54-56, 1st Lt. Cultural ecology; cultural geography; palaeogeography; history of science, geomorphology. Publ: San Nicolas Island, Channel Islands, California; Raised submarine canyons, 66 & Stopping at the water's edge: reason or habit, 68, Ann. Asn. Am. Geog. Address: Dept. of Geography, California State College, Hayward, Calif. 94542.

WINSLOW, PROF. R(EX) S(HELTON), b. Indianola, Iowa, Mar. 28, 01. ECONOMICS. A.B. Simpson Col, 23; A.M. Illinois, 29; Ph.D. North Carolina, 36. Instr. ECON. NORTH CAROLINA, 29-36, asst. prof. 36-39, assoc. prof. 39-42, PROF. 42-, DIR. BUR. BUS. SERV. & RES, 45- Spec. tax exam, Pub. Works Admin, 35; assoc. econ. adv. U.S. Dept. Agr, 40. Field rep. Eng. Sci. War Defense Training, 42-44; economist, War Prod. Bd, 44-45. Econ. Asn. Economic behavior; management methods; management development. Address: Dept. of Economics, University of North Carolina, Chapel Hill, N.C. 27514.

WINSLOW, PROF. ROBERT W, b. Rochester, N.Y. July 4, 40; m. 62. SOCIOLOGY. B.A. Calif. State Col. Long Beach, 61; M.A. California, Los Angeles, 63, Ph.D.(sociol), 65. PROF. SOCIOL, SAN DIEGO STATE COL, 65- San Diego State Col. res. grant, 67-68. Sociol. Asn; Soc. Study Social Probls. Criminology; juvenile delinquency; social disorganization. Publ: Crime in a free society, 68 & Juvenile delinquency in a free society, 68, Dickinson Press; Anomie and its alternatives: a self report study of delinquency, Sociol. Quart, fall, 67. Address: Dept. of Sociology, San Diego State College, San Diego, Calif. 92115.

WINSOR, DR. A(NDREW) LEON, Psychol, see 10th ed, Soc. & Behav. Vols, deceased 65.

WINSTANLEY, DR. N(ATHAN) B(ERNARD), JR, b. Boston, Mass, Oct. 28, 19; m. 53; c. 2. INDUSTRIAL PSYCHOLOGY. B.S. Massachusetts, 48; M.S. Purdue, 50, U.S. Dept. Labor, U.S. Air Force & univ. fel. 50-51, Ph.D. (occup. anal), 51. Personnel dir. Vectron, Inc, 52-54; v-pres. Personnel Lab, Inc, 54-56; asst. dir. exec. compensation serv, Am. Mgt. Asn, 55-56; dir. compensation, Int. Tel. & Tel. Corp, 56-61; MGR. PERSONNEL PLANNING, XEROX CORP, 61- Lectr. Fordham, 57-61; Rochester, 64- U.S.A. 42-45, 1st Lt. Psychol. Asn; Compensation Asn. Organization planning; financial motivation; executive appraisal and compensation. Publ: Fifteen minute oral trade test, Personnel; Table of multipliers for job rating scales, Personnel Psychol; Practical guides for executive compensation, Adv. Mgt. Address: 18 Whitecliff Dr, Pittsford, N.Y. 14534.

WINSTON, DR. CLEMENT, b. Russia, Feb. 14, 02; U.S. citizen; m. 34. STATISTICS. B.S. Pa. State Col, 23; B.S. Pennsylvania, 27, M.A. 28, Ph.D. (math), 33. Res. analyst, Nat. Recovery Admin, 33-35; statistician, Works Prog. Admin, Pa, 35-37; statistician, Nat. Resources Bd, Wash, D.C. 37-38; econ. statistician, R.R. Retirement Bd, 38-42; economist, War Prod. Bd, 42-45; econ. statistician, U.S. Dept. Commerce, 45-62; ANAL. STATISTICIAN, U.S. BUR. BUDGET, EXEC. OFF. PRESIDENT, 62- Instr. grad. sch. U.S. Dept. Agr, 38-47; lectr. Hopkins, 47- Math. Soc; Math. Asn; Statist. Asn. Market research and consumer demand for goods and services. Publ: On mechanical quadratures formulae involving the classical orthogonal polynomials, Am. Math; On mechanical quadratures, Rendiconti Del Circolo Matematico Di Palermo; Analysis of long term markets, Surv. Current Bus. Address: Office of Statistical Standards, U.S. Bureau of the Budget, Washington, D.C. 20503.

WINSTON, DR. ELLEN, b. Bryson City, N.C. Aug. 15, 03; m. 28. SOCIOLOGY. A.B. Converse Col, 24; North Carolina, 23-24, 28-30, hon. L.H.D. 48, hon. LL.D. 52, 59; M.A. Chicago, 28, Ph.D.(sociol), 30; LL.D. Springfield Col, 63. Teacher, high sch, 28-34; soc. economist & ed. tech. pub. div. res. Works Prog. Admin, 34-39; spec. tech. ed. Nat. Econ. & Soc. Planning Asn, 39-40; prof. sociol. & head dept. Meredith Col, 40-44; state cmnr. pub. welfare, State Bd. Pub. Welfare, N.C. 44-63; first U.S. cmnr. welfare, DEPT. HEALTH, ED. & WELFARE, 63-67, CONSULT, 67- Vis. prof. inst. res. soc. sci, North Carolina, 43. Consult, child welfare, Fed. Security Agency, 43; U.S. Off. Ed, 42-44; consult. & mem. tech. cmt. long-range work & re-

lief policies, Nat. Resources Planning Bd, 40-43; consult. Nat. Study Serv, N.Y. 67- Spec. tech. ed. Carnegie Corp, N.Y. 41-43. Sr. soc. scientist, Farm Security Admin, U.S. Dept. Agr, 40; chief training supvr, Works Prog. Admin, N.C. 40; mem. bd. Int. Coun. Soc. Welfare, 64-; bd. dir. Nat. Coun. Homemaker Serv, 64-; pres, Nat. Conf. Soc. Welfare, 65-66; v-pres, Child Welfare League Am, 66-; mem. bd. dir. Coun. Soc. Work Ed, 67-; U.S. rep. UN Cmt. Meeting of Ministers Soc. Welfare, 67- Fel. Sociol. Asn; Pub. Welfare Asn. (pres, 57-59). Social statistics, especially social and economic problems. Publ: Co-auth. Seven lean years & Foundations of American population policy; auth. Social welfare, In: Encyclopedia Americana. Address: 1712 Piccadilly, Raleigh, N.C. 27608.

WINSTON, DR. GORDON C, b. San Francisco, Calif, Feb. 9, 29; m. 53; c. 3. ECONOMICS. A.B. Whitman Col, 50; Washington (Seattle), 50-51; Ford Found. fel. Stanford, 60-61, M.A. 61, Ph.D.(econ), 64. Sales rep. Int. Paper Co, N.Y. 53-57; W.Va. Pulp & Paper Co, 57-60; asst. prof. ECON, Williams Col, 63-66; res. adv. Ford Found, Karachi, Pakistan, 66-68; ASSOC. PROF, WILLIAMS COL, 68- Brookings res. prof. 66-67. C.Eng. U.S.A. 51-52. Econ. Asn. Industrialization and trade in economic development; incentive effects of taxation on work effort. Publ: Income and the aggregate allocation of effort, Am. Econ. Rev, 5/65; An international comparison of income and hours of work, Rev. Econ. & Statist, 2/66; Consumer goods and capital goods, Pakistan Develop. Rev, autumn 67. Address: Dept. of Economics, Williams College, Williamstown, Mass. 01267.

WINSTON, DR. HARVEY D, b. Minneapolis, Minn, Jan. 31, 37; m. 61; c. 2. PSYCHOLOGY. B.A. Minnesota, 58, Nat. Insts. Health fel. & Ph.D.(psychol), 62. Asst. prof. PSYCHOL, Minnesota, 62-64; PENNSYLVANIA, 64-67, ASSOC. PROF, 67- AAAS; Psychol. Asn. Personality; behavioral genetics; social psychology. Address: Dept. of Psychology, University of Pennsylvania, 3813-15 Walnut St, Philadelphia, Pa. 19104.

WINSTON, PROF. SANFORD (RICHARD), b. Long Island, N.Y. Nov. 27, 97; m. 28. SOCIOLOGY. A.B. Western Reserve, 25, Rockefeller fel, 25-26; Ph.D.(sociol), Minnesota, 29. From prof. & head dept. to EMER. PROF. SOCIOLOGY, N.C. STATE, 33- Teacher, Minnesota; Cornell; State Teachers Col, Aberdeen; Wake Forest Col; Meredith Col; Peace Col; Gen. Ed. Bd. res. grant, 43-46; res. grants, N.C. State Col. Purnell Fund. Consult, N.C. Coun. Housing Authorities, 45-48, res. grant. Fel. Sociol. Asn. Leadership; social aspects of public housing; juvenile delinquency. Publ: Culture and human behavior; Illiteracy in the United States; Leadership in war and peace, N.C. State Col. Monogr. Address: Dept. of Sociology, North Carolina State University, Raleigh, N.C. 27607.

WINTER, DR. ARTHUR B(RUCE), b. Mt. Vernon, N.Y. Sept. 27, 18; m. 44; c. 2. POLITICAL SCIENCE. Rotary scholar. & A.B. Emory, 47; Sloan fel, Denver, 47-48, M.Sc. 48; Ph.D.(polit. sci), Duke, 55. Instr. polit. sci. & res. assoc. Tennessee, 48-50, res. assoc. bur. pub. admin, 52-53; training officer & exec. secy. Tenn. Munic. Finance Officers Asn, 53-54; asst. prof. POLIT. SCI, NEBRASKA, LINCOLN, 54-59, ASSOC. PROF, 59-; DIR. RES. GOVT. RES. INST, 58- Asst. & instr. Duke, 51-52. Mem. Seminar Urban Probs. in Mo. River Basin, 59- U.S.N.R. 40-45, Res. 45-, Lt. Comdr. Polit. Sci. Asn. American government, especially state and local government and administration; political theory; international relations. Publ: Utility district in Tennessee; Problem of annexation in Crossville; co-auth. Study of the fringe areas of Modesto, California. Address: Dept. of Political Science, University of Nebraska, Lincoln, Nebr. 68508.

WINTER, DR. DAVID G(ARRETT), b. Grand Rapids, Mich, Mar. 10, 39; m. 64. PSYCHOLOGY. A.B. Harvard, 60, fel. 64-66, Ph.D.(soc. psychol), 67; B.A. Oxford, 62, M.A. 67. Res. asst. soc. rels, Harvard, 67; ASST. PROF. PSYCHOL, WESLEYAN, 67- Psychol. Asn. Personality and motivation, particularly with the use of projective tests; content analysis; relationship of personality variables and motives to political and economic behavior. Publ: Co-auth. Developing an achieving society, Macmillan, 69 & The classic personal style, J. Abnorm. & Soc. Psychol, 9/63. Address: Dept. of Psychology, Wesleyan University, Middletown, Conn. 06457.

WINTER, PROF. EDWARD H, b. Poughkeepsie, N.Y. Aug. 21, 23; m. 47; c. 3. SOCIAL ANTHROPOLOGY. A.B. Harvard, 44, M.A. 49, Ph.D.(soc. anthrop), 53. Colonial Soc. Sci. Res. Coun. fel. Brit. Colonial Off, 50-53; sr. res. fel. E.African Inst. Soc. Res, 53-55; asst. prof. anthrop, Illinois, 55-57, assoc. prof. 57-59; PROF. ANTHROP. & CHMN. DEPT. SOCIOL. & ANTHROP, VIRGINIA, 59- U.S.N.R. 44-46, Lt.(jg). Anthropol. Asn. Sociological theory; African social systems. Publ: Bwamba, a structural-functional analysis of a patrilineal society; Bwamba economy; Beyond the mountains of the moon. Address: Dept. of Sociology & Anthropology, University of Virginia, Charlottesville, Va. 22903.

WINTER, DR. EGON P, b. Berlin, Germany, Dec. 3, 12; nat. m. 49; c. 1. ECONOMICS. B.S. Iowa State, 42; M.S. Colorado State, 44; Ph.D. Wisconsin, 55. Agr. economist, bur. agr. econ, U.S. Dept. Agr, 45; econ. analyst, U.S. Econ. Mission to Belgium, 46-48; UN food & agr. orgn, 48-49; asst. prof. econ, Milton Col, 51-54; Washington (Seattle), 54-56; economist, West. Hwy. Inst, 56; res. assoc. inst. transportation & traffic eng, California, 58-58; economist, Wiley, Ham & Blair, 58-59; consult. & res. economist, 59-64; INSTR. ECON. WEST VALLEY COL, 64- Econ. Asn. Regional and land economics; teaching economic theory; reduction of waste in the utilization of resources, including manpower; economics as a contributing science and art. Publ: Analysis of waste in marketing, J. Farm Econ; Methods of measuring changes in real estate values, Appraisal J; Estimating aggregate residential real estate values from population income data, Land Econ. Address: 206 16th Ave, Santa Cruz, Calif. 95060.

WINTER, PROF. HERBERT R(EINHOLD), b. Martinwaldau, Germany, June 25, 28; nat. m. 59; c. 1. POLITICAL SCIENCE. B.A. Augustana Col, 57; M.A. Iowa, 59; Ph.D. 61. Asst. prof. POLIT. SCI, Hartwick Col, 61-63; R.I. COL, 63-67, ASSOC. PROF, 67- U.S.A. 53-55. Polit. Sci. Asn; Int. Studies Asn. Contemporary European politics, especially of West Germany; the German Social Democratic Party after World War II. Address: Dept. of Political Science, Rhode Island College, Providence, R.I. 02908.

- WINTER, PROF. JAMES RALPH, b. Winnipeg, Man, Mar. 23, 30; m. 56; c. 4. POLITICAL ECONOMY. B.A. Queen's (Ont), 57; Hillman fel, Chicago, 58, Can. Coun. fel, 59, Walgreen fel, 60, A.M. 66. Lectr. ECON, Western Ontario, 61-64; asst. prof. Laurentian, 64-66; PROF. & HEAD DEPT. ACADIA, 66- Am. Econ. Asn; Can. Econ. Asn. Application of benefit-cost analysis to public expenditure; analysis of industrial structure with implications for the social and geographical mobility of populations. Publ: Co-auth, An economic analysis of evaluation practices for water resource development, U.S. Study Cmn, Tex, 61; auth, Economics of pipeline pricing, private cmm, 62 & Sudbury—an economic survey, Laurentian Univ, 67. Address: Dept. of Economics, Acadia University, Wolfville, N.S., Can.
- WINTER, DR. J(ERRY) ALAN, b. New York, N.Y., July 23, 37; m. 64; c. 1. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A. N.Y. Univ, 58; M.A., Michigan, 60, Horace H. Rackham fel, 63-64, Ph.D.(soc. psychol), 64. Instr. SOCIOL, Michigan, 64-65; ASST. PROF., Rutgers, 65-68; TEMPLE, 68- Rutgers Res. Coun. res. grant, 67-68. Sociol. Asn. Sociology of religion; American societal problems; social psychology and political sociology. Publ: Co-auth, Vital problems for American society: meanings and means, Random, 68, War hawks and peace doves: alternate resolutions of experimental conflicts, J. Conflict Resolution, 12/65 & Honesty, deceit and timing in the display of intentions, Behav. Sci, 5/67. Address: Dept. of Sociology, Temple University, Philadelphia, Pa. 19122.
- WINTER, DR. LEOPOLD, b. Vienna, Austria, Oct. 12, 07; nat; m. 45, 57; c. 1. CLINICAL PSYCHOLOGY. Ph.D.(psychol), Vienna, 38. Clin. psychologist, Austria, 36-39; N.Y., 42-43; asst. chief clin. psychol, Vet. Admin. Hosp, Bronx, N.Y., 46-49, chief, Augusta, Ga, 49-56, chief clin. psychologist, Vet. Admin. Ment. Hyg. Clin, Miami, Fla, 56-59; private practice, 59- Asst. clin. prof. med. col, Georgia, 51-53, assoc. clin. prof, 53-56. Dipl. Am. Bd. Exam. Prnl. Psychol, 49. U.S.A., 43-46. Fel. Psychol. Asn. Personality dynamics; individual and group psychotherapy; personality evaluation through graphic expression. Address: 8340 S.W. 105th St, Miami, Fla. 33156.
- WINTER, DR. LOTHAR GEORGE, b. Koenigsberg, Germany, May 22, 25; U.S. citizen; m. 46; c. 2. INTERNATIONAL ECONOMICS & BUSINESS ADMINISTRATION. B.B.A. Col. Bus. Admin, Germany, 44; M.A., Freiburg, 54, Ph.D.(econ), 56. Asst. prof. & econ. analyst, Freiburg, 54-56; mkt. analyst, Gen. Elec. Co, 56-59; assoc. prof. & dir. bur. bus. res, Hawaii, 59-63; dir. mkt. res, Landis & Gyr Co, 63-64; PROF. BUS. ADMIN. & ASST. DEAN COL, NEW MEXICO, 64- Vis. prof, Marburg, 67-68; vis. prof, Harvard, summer, 63. Asst. econ. adv, West German Govt, 54-56; mkt. dir, Hawaii Coffee Indust, Inc, 60-62; mgr. mkt. res, Abbotts Labs, 62. Mkt. Asn; Mgt. Asn; Econ. Asn. International marketing information systems and the development of global marketing strategies; comparison of marketing research techniques. Publ: Small business in the Hawaiian economy, Econ. Res. Center, Univ. Hawaii, 61 & 63; A visitor evaluation of tourist facilities in Hawaii, Univ. Hawaii & Hawaii Visitor Bur, 61; A market survey of Kona coffee export possibilities to Germany, Hawaii Coffee Indust, Inc, Honolulu, 62. Address: Dept. of Business Administration, University of New Mexico, Albuquerque, N.Mex. 87106.
- WINTER, PROF. WILLIAM D(AVID), b. New York, N.Y., Apr. 16, 27; m. 54; c. 3. CLINICAL PSYCHOLOGY. B.S. City Col. New York, 48; M.A., Michigan, 50, Ph.D.(psychol), 53. Psychol. intern, Vet. Admin, 48-52; instr. psychol, Michigan, 52-53; res. assoc. U.S. Pub. Health Serv, 53-54; chief psychologist, Hosp. for Ment. Diseases, Milwaukee, Wis, 54-56; assoc. prof. PSYCHOL, SAN JOSE STATE COL, 56-63, PROF. 63-, DIR. COUNSELING CENTER, 65- Nat. Sci. Found. fel, 61. U.S.A., 46-47. Psychol. Asn. Personality theory; psychosomatic medicine; therapy; family group dynamics. Publ: Co-auth, Hostility themes in the family TAT, J. Proj. Tech, 66; Interaction process analysis of family decision-making, 67 & Decision making in normal and abnormal two-child families, 68, Family Process. Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 95114.
- WINTER, DR. WILLIAM L(AURENCE), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WINTER, PROF. WILLIAM O(RVILLE), b. Richmond, Mo, Oct. 1, 18; div; c. 2. POLITICAL SCIENCE. A.B. Missouri, 42, M.A., 47; Ph.D., Michigan, 50. Asst. prof. govt, Southern Illinois, 50-55, assoc. prof, 55-63; PROF. POLIT. SCI, COLORADO, 63-, CHMN. DEPT, 65- Fulbright lectr, Vienna, 56-57. U.S.N., 43-46, Lt.(jg). Polit. Sci. Asn; Soc. Pub. Admin; Am. Inst. Urban & Regional Affairs. Public administration; comparative local government and politics; public finance. Publ: Special assessment today; The urban polity, Dodd, 68. Address: Dept. of Political Science, University of Colorado, Boulder, Colo. 80302.
- WINTERGALEN, PROF. EDWARD HENRY, b. St. Louis, Mo, Sept. 8, 06. ECONOMICS. M.C.S. St. Louis, 41. Instr. St. Louis, 40-42; from instr. to assoc. prof. ECON. & head dept, Regis Col, 42-66; ASSOC. PROF. PARKS COL. AERONAUT. TECH, ST. LOUIS, 66- Econ. Asn; Econ. Hist. Asn. Business cycles; consumer finance & economics; government economic controls. Publ: Productivity, 65 & Income, 66, New Cath. Encyclop. Address: Dept. of Economics, Parks College of Aeronautical Technology, St. Louis University, East St. Louis, Ill. 62201.
- WINTERS, PROF. H(OWARD) D(ALTON), b. Urbana, Ohio, Oct. 30, 23. ANTHROPOLOGY. A.B. Col. William & Mary, 49; M.A., Chicago, 53. Asst. anthrop, Chicago, 53; staff archaeologist, Durango Field Session, Southern Illinois, 54, jr. researcher, Nat. Sci. Found. Cache River Valley Prof, 55-56, instr. ANTHROP, 56-60; from instr. to ASST. PROF. VIRGINIA, 60- Vis. assoc. prof, N.Y. Univ, 66. Co-dir, Joint Southern Illinois Univ. Archaeol. Exped, 53; staff archaeologist, Carnegie Exped, Mayapan, Yucatan, 54. U.S.A.A.F., 43-46. Assoc. fel. Anthropol. Asn; Soc. Am. Archaeol. Archaeology and ethnology of prehistoric North America and Meso America. Publ: Three serpent column temples at Mayapan; Colonnaded hall at Mayapan; Vaulted temple at Mayapan. Address: Dept. of Anthropology, University of Virginia, Charlottesville, Va. 22903.
- WINTERS, PROF. R(ICHARD) J(OHN), b. New York, N.Y., Feb. 17, 09; m. 35. ECONOMICS, GOVERNMENT. B.S. Fordham, 51, M.A., 53, Ph.D., 59; Pittsburgh, 55-56. Asst. prof. econ, SETON HILL COL, 53-59, assoc. prof, 59-63, PROF. POLIT. ECON, 63-, CHMN. DEPT, 53- Found. Econ. Ed. fel, 63. Consult. mem, cmt. fed. controls over bus, U.S. Chamber Commerce. U.S.A., 43-45. Econ. Asn; Acad. Polit. & Soc. Sci. International economy; United States economic foreign policy and government. Publ: The effects of international trade on Appalachia, (in press). Address: Dept. of Economics, Seton Hill College, Greensburg, Pa. 15601.
- WINTERS, DR. ROBERT A(LONZO), b. Watkins, N.Y., Aug. 30, 12; m. 37; c. 3. ECONOMICS. A.B., Princeton, 35; M.A., Tufts Col, 37; M.A., Harvard, 41, Ph.D., 49. Instr. econ, Bates Col, 41-42; head rubber prods. sect, Off. Price Admin, 42-46; asst. prof. econ, Rutgers, 46-47; exec. dir. & economist, RUBBER HEEL & SOLE INST, 47-61, CONSULT, 61-, BUS. MGR. DEPT. PHYSICS, PRINCETON, 55- Gen. mgr, Elastic Colloid Res. Corp, 48-57. Econ. consult, Coun. for Democracy, 41-42; tariff consult, rubber footwear indust, 47; consult, rubber br. Off. Price Stabilization, 51-52. Trustee, Fund for Behav. Sci, Cleveland, Ohio, 57-, dir, Fund of Am. Econ. Asn; Indust. Rels. Res. Asn. Labor relations; industrial organization; behavioral science, relationships among sciences dealing with man. Publ: Aspects of joint bargaining in the rubber industry, Indust. & Labor Rels. Rev. Address: 10 Adams Dr, Princeton, N.J. 08540.
- WINTHER, DR. SVEN F, b. Petersburg, Alaska, May 17, 35; m. 55; c. 2. COUNSELING, SOCIAL PSYCHOLOGY. B.A., Pac. Lutheran Col, 58; M.S., Oregon, 60, Ed.D., 64. Instr. psychol, Pacific Lutheran, 60-62, ASST. PROF., 64-67; ED, NEW MEXICO, 67- Psychol. Asn. Process of person perception; situational and personal factors related to accuracy and the influence of different sets. Address: Counseling Center, University of New Mexico, Albuquerque, N.Mex. 87106.
- WINTHROP, PROF. HENRY, b. New York, N.Y., July 20, 10; m. 52. PSYCHOLOGY, SOCIOLOGY. B.S., City Col. New York, 35; U.S. Dept. Agr. Grad. Sch, 36-51; M.A., George Washington, 40, grad. work, 40-42; Brooklyn Polytech. Inst, 48-49; American Univ, 50-51; Ph.D.(psychol, sociol, philos), New Sch. Soc. Res, 53. Indust. psychologist & economist, U.S. Dept. Labor, 41-44; price economist, Off. Price Admin, 44-46; sr. economist, State Div. Housing, N.Y., 46-48; acct. analyst, War Assets Admin, 48-49; indust. economist, Bur. Inter-Indust. Econ, 50-51; econ. analyst, Off. Price Stabilization, 51-52; asst. prof. psychol, Richmond Prnl. Inst, Col. William & Mary, 53-54; psychologist, Lincoln State Sch, Ill, 54-55; sr. staff psychologist, State Penitentiary, Ohio, 55-56; asst. prof. psychol, Hollins Col, 56-57; Wichita, 57-60; PROF. PSYCHOL. & CHMN. DEPT. INTERDISCIPLINARY SOC. SCI, SOUTH FLORIDA, 60- Dir. & lectr, Muhlenberg Adult Ed. Forum, New York, 42-46; lectr, Civil Serv. In-Training Prog, 47. Consult, State Housing Cmn, N.Y., 47-48; pub. opinion lab, Univ. Washington, 52-; Sch. of Living, 56-60; civilian personnel admin, U.S. Dept. Army, 61-; mem. sci. adv. bd, Inst. Cybercultural Res, 64-65; nat. bd. acad. develop. for World Univ, 64-; hon. res. adv. int. res. inst, Agra Univ, India, 65-; mem. int. coun, Int. Center Integrative Studies, 68-; mem, Nat. Cmt. Sys. Ed, 68- Ed. many U.S. & Indian prnl. periodicals. Trustee, Cmn. Res. into Creative Faculties of Man, 64- AAAS (consult. & referee, Science); Philos. Asn; Anthropol. Asn; Econ. Asn; Psychol. Asn; Polit. Sci. Asn; Sociol. Asn; Soc. Appl. Anthropol. Opers. Res. Soc; Planning Asn; Inst. Mgt. Sci; Soc. Gen. Sys. Res; Asn. Humanistic Psychol; Int. Soc. Gen. Semantics; Int. Phenomenol. Soc. Automation; behavioral diffusion; community planning; cybernation; existentialism; general systems theory; humanistic and social psychology; interdisciplinary social studies; mass culture; phenomenology; philosophy of science; science and society; studies of the future. Publ: Ventures in social interpretation, Appleton, 68; Phenomenological method from the standpoint of the empiricist bias, J. Philos, 49; Tender-mindedness vs. tough-mindedness in psychology: a reexamination, Genetic Psychol. Monogr, 56. Address: Social Science Division, University of South Florida, Tampa, Fla. 33620.
- WIRES, PROF. RICHARD, Mod. European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WIRICK, DR. GROVER C, JR, b. Flint, Mich, Mar. 13, 17; m. 44. ECONOMICS, ECONOMETRICS. B.A. Mich. State, 42; M.A., Michigan, 46, Ph.D., 59. Statistician, Milwaukee County Community Fund, 44-45; economist, Mich. Pub. Serv. Cmn, 48-55; RES. ECONOMIST, BUR. HOSP. ADMIN, MICHIGAN, 58- AAAS; Econ. Asn; Economet. Soc; Statist. Asn. Medical economics, particularly consumer demand for health care; hospital and medical service cost functions and production functions of health services. Publ: Co-auth, Study of validity in reporting medical care in Michigan, Proc. Am. Statist. Asn, 60; auth, Population survey: health care and its financings, In: Hospital and medical economics, Hosp. Res. & Ed. Trust, 62; A multiple equation model of demand for health care, Health Serv. Res, winter 66. Address: 2116 Brockman, Ann Arbor, Mich. 48104.
- WIRT, DR. ANNE L(OUISE), b. Aberdeen, S.Dak, Apr. 8, 26; m. 55; c. 1. CLINICAL PSYCHOLOGY. B.S., Minnesota, 51, Ph.D., 55. Asst. chief psychol, Vet. Admin. Hosp, Minneapolis, 56-58; psychologist, Twin Cities Psychiat. & Psychol. Serv, 58-64; ASST. TO ACAD. V.PRES, MINNESOTA, MINNEAPOLIS, 64- Lectr, Minnesota, 58, 60-62. Consult, St. Mary's Hosp. Nursing Serv, 60- Psychol. Asn. Co-auth, Differential treatment and prognosis in schizophrenia. Address: 33 Park Lane, Minneapolis, Minn. 55416.
- WIRT, PROF. FREDERICK M, b. Radford, Va, July 27, 24; m. 47; c. 3. POLITICAL SCIENCE. B.A., DePauw, 48; M.A., Ohio State, 49, Ph.D.(polit. sci), 56. Asst. POLIT. SCI, Ohio State, 49-51, asst. instr, 51-52; instr, DENISON, 52-55, asst. prof, 55-60, assoc. prof, 60-66, PROF., 66-, chmn. dept, 62-65. Vis. lectr, Rochester, summer, 54; Ohio State, 59; vis. prof. polit. sci. dept. & inst. govt. studies, California, Berkeley, 66-68. Participant, Nat. Center Ed. Polit. Legis. Election Seminar, Wash, 62; Nat. Sci. Found. Seminar on Uses of Math. in Polit. Sci, Southern Methodist, 64. U.S.A., 42-45. Polit. Sci. Asn. American political behavior; civil rights; urban affairs. Publ: Co-auth, The search for community power, Prentice-

- Hall, 68; auth, Law and social change in a Mississippi county, Aldine, 69; co-auth, American suburban politics, Rand McNally, 69. Address: Dept. of Political Science, Denison University, Granville, Ohio 43023.
- WIRT, PROF. ROBERT DUANE, b. Whittier, Calif, Apr. 28, 24; m. 55. PSYCHOLOGY. A.B. California, 47; Buckle fel, Stanford, 49, M.A., 51, Ph.D. (psychol), 52. Instr. & asst. dir. psychol. clin, Stanford, 52-53; clin. instr. psychiat, sch. med, MINNESOTA, MINNEAPOLIS, 53-54, asst. prof. psychol, child welfare, psychiat. & neurol, 54-58; assoc. prof, 59-61, PROF. PSYCHOL, CHILD DEVELOP. & PSYCHIAT, 61-. DIR. GRAD. ED. CLIN. PSYCHOL, 63-, dir. center personality res, 59-61. Staff psychologist, Vet. Admin. Hosp, Minneapolis, 53-54, prin. investr. schizophrenia, 54. Consult, pub. schs, Minneapolis, 53-; State Dept. Corrections, Minn., 55-, State Dept. Ed, 58-, State Dept. Pub. Welfare, 58- Mem. Ment. Health Adv. Cmt, Minn., 61-; Gov. Cmn. Law Enforcement, Admin. of Justice & Corrections, 66-; psychol. panel, surv. behav. & soc. sci. Nat. Acad. Sci, 66- U.S.M.C., 43-47, 51-52, Capt. AAAS; Psychol. Asn; Soc. Res. Child Develop. Clinical child psychology; treatment of schizophrenia; delinquency. Publ: Co-auth, Differential treatment and prognosis in schizophrenia; Men in prison, Minn. State Printing Off, 66; auth, Personality and environmental factors in the development of delinquency, Psychol. Monogr. Address: 2002 Summit House, 410 Groveland Ave, Minneapolis, Minn. 55403.
- WIRT, DR. S(MON) EDGAR, b. Des Moines, Iowa, Feb. 25, 07; m. 38. PSYCHOLOGY. A.B. Denver, 28, M.A., 30; Ph.D. (indust. psychol), Purdue, 42. Researcher, Bausch & Lomb Optical Co, N.Y., 39-42; asst. prof. indust. psychol, PURDUE, 42-45, ASSOC. PROF, 45-, ASSOC. REGISTRAR FOR DEVELOP, 67-, dir. tabulating div, 47-67. Soc. Psychol. Res. Systems analysis; student data management. Address: 1707 N. Salisbury, West Lafayette, Ind. 47906.
- WIRTHLIN, PROF. RICHARD B, b. Salt Lake City, Utah, Mar. 15, 31; m. 56; c. 2. ECONOMICS. B.S. Utah, 56, fel, 56-57, M.A., 57; fel, California, 62. Asst. ECON, California, 57-60, lectr, med. center, San Francisco, 60-61; ASSOC. PROF, BRIGHAM YOUNG, 61-, CHMN. DEPT, 66- Vis. assoc. prof, Arizona State, 67-68. Partner, Merrill-Wirthlin Assoc, 64- Econ. Asn; Mkt. Asn; Statist. Asn. Impact of international trade on the economic development of underdeveloped countries; attitudes on right to work. Publ: Economic power and the constitution. Address: Dept. of Economics, Brigham Young University, Provo, Utah 84601.
- WIRTHS, THEODORE W(ILLIAM), b. Ansonia, Conn, June 23, 24; m. 45; c. 2. SOCIOLOGY, URBAN PLANNING. B.A. Yale, 47; North Carolina, 48-51; M.A. Kentucky, 49. Field dir. urban studies, inst. res. soc. sci, Univ. North Carolina, Chapel Hill, 51-53; gen. adminstr, Atomic Energy Cmn, S.C., 53-57, emergency-planning coordinator, 57-60, chief reports & emergency planning, 60-62, real estate officer, D.C., 62-64, planning officer, 64-65, Am. Polit. Sci. Asn. & U.S. Civil Serv. Cmn. fel. congressional ops, 65-66; CONGRESSIONAL LIAISON OFFICER, NAT. SCI. FOUND, 66- C.Eng, U.S.A., 43-45. Polit. Sci. Asn. Executive-legislative interaction; science and public policy; community economic development; urban planning and zoning. Publ: Co-auth, In the shadow of a defense plant, Inst. Res. Soc. Sci, Univ. North Carolina, 54. Address: 1715 Wilmart St, Rockville, Md. 20852.
- WISCHMEIER, W(ALTER) H(ENRY), Agr. Statist, see 11th ed, Phys. & Biol. Vols.
- WISCHNER, PROF. GEORGE J(OSEPH), b. New York, N.Y., Apr. 14, 14; m. 47; c. 2. PSYCHOLOGY. B.A. Brooklyn Col, 38; M.A. Iowa, 41, Ph.D. (exp. psychol), 47. Asst. psychol, Iowa, 39-40, 41-42; asst. prof, Missouri, 47-48; child welfare res. sta. Iowa, 48-49; psychol. & speech, Illinois, 49-52; proj. leader, training methods div, HumRRO, George Washington, 52-53, dir. res, 53-55; PROF. PSYCHOL, PITTSBURGH, 55- Prin. investr, Nat. Inst. Ment. Health res. grants, 64-71. Consult, Vet. Admin, 55-; adv. ed, J. Consult. Psychol, 56-58; ed. consult, J. Speech & Hearing Disorders, 60-U.S.A.A.F., 42-46. AAAS; Psychol. Asn; Speech & Hearing Asn; Psychonomic Soc. Learning, motivation and personality dynamics and development; learning and speech disorders. Publ: Experimental approach to expectancy and anxiety in stuttering behavior, J. Speech & Hearing Disorders; co-auth, Acquisition and long-term retention of an object quality learning set by retarded children, J. Comp. & Physiol. Psychol. & The varied functions of punishment in discrimination learning, In: Punishment and aversive behavior, Appleton, 68. Address: Dept. of Psychology, University of Pittsburgh, Pittsburgh, Pa. 15213.
- WISE, DR. C. EDWARD, JR, b. Baltimore, Md, July 26, 21; m. 54; c. 2. LAW, PHYSICAL & BIOLOGICAL SCIENCES. Sc.B. Dickinson Col, 42; J.D. George Washington, 54; Indust. Col. Armed Forces, 59-60. Res. Chemist, Nat. Bur. Standards, 42-51; phys. sci. adminstr, U.S. Navy Bur. Ordnance, 51-54; chief scientist adv, U.S. Marine Corps, 54-62; sr. specialist sci. & tech, legis reference serv, U.S. Cong, 62-64; MGT. SCI. & INTERGOVT. RELS. CONSULT, 64- Consult, Stanford Res. Inst. & Atlantic Res. Corp, 64-; Inst. Labor & Indust. rels, Michigan, 65-; Midwest Res. Inst, 66-; Equal Employ. Opportunity Cmn, 67-; Off. Gov. Pa, 67-68. AAAS; Chem. Soc; Soc. Pub. Admin; Opers. Res. Soc. Am; Soc. Res. Adminstr; World Future Soc. Naval, amphibious and government research and development; propulsion technology; science and public policy; state and federal management information systems; water and air pollution; management science. Publ: Co-auth, Catalog of federal programs for individual and community improvement, Govt. Printing Off, 67 & Federal aid program information—survey of local government needs, Midwest Res. Inst, 67. Address: 1200 Tanley Rd, Silver Spring, Md. 20904.
- WISE, PROF. CARROLL A(LONZO), b. Verona, Pa, Oct. 31, 03; m. 30; c. 2. PSYCHOLOGY. A.B. Ohio Wesleyan, 27; S.T.B. Boston, 30, Th.D., 35. Chaplain, Worcester State Hosp, Mass, 31-42; dir. dept. relig. & health, Toledo Cmn. Churches, Ohio, 42-44; minister in charge counseling, Hennepin Ave. Methodist Church, Minn., 44-47; PROF. PASTORAL PSYCHOL. & COUNSELING, GARRETT THEOL. SEM, 47- Psychology of religion; religion and health. Publ: Pastoral counseling; Psychiatry and the Bible; The meaning of pastoral care, Harper, 65. Address: Dept. of Psychology, Garrett Theological Seminary, 2121 Sheridan Rd, Evanston, Ill. 60201.
- WISE, DR. JAMES OLIVER, b. Marion, N.C, June 22, 31; m. 53; c. 4. AGRICULTURAL ECONOMICS. B.S. Berea Col, 54; M.S. Georgia, 58; Ph.D. (agr. econ), N.C. State, 64. Farm mgt. specialist, Farmers Home Admin, U.S. Dept. Agr, N.C., 55-57, field enumerator, Ga, summer, 57; res. asst, N.C. State, summer, 58; ASST. PROF. PROD. ECON, GEORGIA, 61- Consult, Citizens & South. Bank Atlanta, Ga, 65. Mem. Ga. soc. sci. adv. cmt, Fed. Water Pollution Control Admin, 67- U.S.A., 49-50. Agr. Econ. Asn. Agricultural production economics; agricultural finance and area agricultural development. Publ: An analysis of agricultural credit in Laurens County, Georgia, 10/65 & co-auth, Forestry and water resources in the Appalachian area of Georgia, 6/67, Ga. Agr. Exp. Stas; auth, On the emphasis for agricultural economics, J. Farm Econ, 2/66. Address: Dept. of Agricultural Economics, University of Georgia, Athens, Ga. 30601.
- WISE, PROF. JOHN, b. London, Eng, 30. ECONOMICS, MATHEMATICAL STATISTICS. B.Sc. London, 52, Ph.D. (econ, math. statist), 55. Lectr, Birmingham, 55-62; vis. prof. ECON, Stanford, 62-64; PROF, HAWAII, 64- Prof. appl. econ, Southampton, 68- Consult, London Sch. Econ, 58-60. Address: Dept. of Economics, University of Hawaii, Honolulu, Hawaii 96822.
- WISE, DR. LEON M(ILTON), b. Morgantown, W.Va, Jan. 3, 26; m. 47; c. 2. PSYCHOLOGY. A.B. Franklin & Marshall Col, 50; M.A. Delaware, 51; Ph.D. Pa. State, 61. Asst. prof. PSYCHOL, HEIDELBERG COL, 51-61, assoc. prof, 61-63, PROF, 63-, CHMN. DEPT, 51- U.S.A.A.F., 43-45. AAAS; Psychol. Asn. Physiological; animal behavior; learning. Publ: PREs and Weinstock's hypothesis, J. Exp. Psychol, 61; co-auth, PREs and the turtle, J. Comp. Physiol. Psychol, 63; Discriminative maze learning in the Mongolian gerbil, Psychol. Record, 68. Address: Heidelberg College, Tiffin, Ohio 44883.
- WISE, DR. RALPH EUGENE, Am. Civilization, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WISE, S(YDNEY) F(RANCIS), Mil. & Can. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WISELY, DR. H(AROLD) M(ARTIN), Psychol, see 10th ed, Soc. & Behav. Vols.
- WISEMAN, PROF. DORSEY E, b. Clarksburg, W.Va, July 10, 21; m. 47; c. 3. ACCOUNTING, FINANCE. B.S. West Virginia, 47; M.B.A. Pennsylvania, 49; Ph.D. (acct, finance), Illinois, 57. Instr. acct, Pennsylvania, 47-49; prof. bus, Babson's Midwest Inst, 49-52; instr. acct, Illinois, 52-56; asst. prof, Nebraska, 56-57; assoc. prof. bus, Montana State, 57-61; PROF. ACCT. & CHMN. DEPT, CALIF. STATE COL. FULLERTON, 61- U.S.A.A.F., 42-45, 1st Lt. Inst. Cert. Pub. Acct; Nat. Asn. Acct; Am. Acct. Asn. Managerial and financial accounting. Publ: Review of improvements in federal government accounting, Acct. Rev, 10/53; Return on investment, The Link, 8/60; Shared shortcomings, Nat. Asn. Acct. Bull, 8/63. Address: Dept. of Accounting, California State College at Fullerton, Fullerton, Calif. 92631.
- WISH, DR. JOHN R, b. Bellefontaine, Ohio, Nov. 7, 34; m. 57; c. 3. MARKETING, INTERNATIONAL BUSINESS. B.S. Ohio State, 56, M.B.A., 62; Ph.D. (mkt), Mich. State, 67. Asst. gen. mgr. dairy processing, Miami County Dairy, 59-61; asst. instr. mkt, Mich. State, 63-65, asst. instr. & off. mgr. Latin Am. food mkt. study, Puerto Rico, 65-66, specialist & chief party, Latin Am. Mkt. Planning Center, Mich. State-Agency Int. Develop. study, Bolivia, 66-67; asst. prof. MKT, OREGON, 66-68, ASSOC. PROF, 68- Consult, Isaly Dairy & Mkt. Sci. Inst, 63-64; Portland Model Cities, Uplift & Community Serv. Planners, 68- U.S.A.F., 56-59, Res, 60-66. Mkt. Asn; Econ. Asn; Soc. Appl. Anthropol; Latin Am. Studies Asn. Latin American market planning and food marketing. Publ: Economic development in Latin America, Praeger, 66; Some socio-psychological aspects of the Latin American food marketing study, Proc. Am. Mkt. Asn, 66; My job is research; my work is people, In: My job and my faith, Abingdon, 67. Address: College of Business, University of Oregon, Eugene, Ore. 97403.
- WISHNER, PROF. JULIUS, b. Poland, July 7, 21; nat; m. 41; c. 2. PSYCHOLOGY. B.A. Brooklyn Col, 46; M.A. Northwestern, 47, Ph.D. (psychol), 50; U.S. Pub. Health Serv. fel, Ill. Neuropsychiat. Inst, 48-49. Extern psychol, Michael Reese Hosp, 46-47, vis. psychologist, 47-48; instr. psychol, PENNSYLVANIA, 49-50, instr. psychol. in psychiat, med. sch, 49-51, asst. prof. psychol, univ, 50-56, asst. prof. psychol. in psychiat, med. sch. & chief psychologist, functional diseases serv, Univ. Hosp, 51-59, assoc. prof. psychol, univ, 56-63, psychol. in law, law sch, 59-63, PROF. PSYCHOL, 63- Vis. lectr, dept. soc. rels, Harvard, 58-59; chmn. univ. senate, Pennsylvania, 65-67; vis. summer prof, Stanford, 67. Mem. exec. cmt, Inter Asn. Appl. Psychol, 64- U.S.A.A.F., 43-45, 1st Lt. AAAS; Psychol. Asn; Soc. Psychophysiol. Res; Psychonomic Soc. Experimental psychopathology; impressions of personality. Publ: Concept of efficiency in psychological health and in psychopathology, 55, & Reanalysis of 'Impressions of personality', 60, Psychol. Rev; Efficiency, semantic generalization and psychopathology, Proc. Int. Cong. Psychol, 66. Address: Dept. of Psychology, University of Pennsylvania, 3815 Walnut St, Philadelphia, Pa. 19104.
- WISHY, DR. B(ERNARD) W(ILLIAM), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WISKOFF, DR. MARTIN F(RED), b. New York, N.Y., Mar. 12, 35; m. 58; c. 2. PSYCHOLOGY. B.A. City Col. New York, 56; M.A. Maryland, 59, Ph.D. (psychol), 63. Asst. psychol. & counseling, counseling center, Maryland, 56-58; res. psychologist, U.S. Army Personnel Res. Off, 59-63; res. mgr. PSYCHOL. & RES. BUR. NAVAL PERSONNEL, 63-67, BR. HEAD, 67- Summers, psychologist, Nat. Insts. Health, 58 & 59. U.S.A., 58-59. Psychol. Asn; Human Factors Soc. Management of psychological research and development program in areas of personnel measurement and surveys and education and training. Publ: Ethical standards and divided loyalties, Am. Psychologist, 60; Navy automated recruit assignment process, Proc. Off. Naval Res. Inter-Serv. Conf, 65; co-auth, Computer technology aids recruit assignment, Navy Mgt. Rev, 66. Address: 6939 Heidelberg Rd, Lanham, Md. 20801.
- WISNER, DR. ELIZABETH, Sociol, see 10th ed, Soc. & Behav. Vols.

- WISNER, DR. E(MMA) ORIOLE, b. Monroe, Tenn. PSYCHOLOGY. B.A., Tennessee, 28; M.A., Chicago, 32; faculty scholar, Harvard, 41-42, Ed.D. (ed. psychol), 53. Supvr. training sch., Winthrop Col, 32-33; spec. instr. Eng. ed. & psychol, Tenn. Jr. Col, 33-37; assoc. prof. psychol. & ed. & dir. training & placement, Huntingdon Col, 37-41; personnel mgr., T. Deutchmann Corp, 42-43; acting dean women, Tennessee Tech, 46-47, asst. prof. psychol, 46-53, assoc. prof, 53-67; dir., Overton County, Tenn, Mini-grant on Psychol. & Counseling Serv, 67-68; EVALUATOR, OVERTON COUNTY RURAL ED. IMPROV. PROJ., SOUTH. ASN. COLS. & SCHS, 68- Psychol. Asn. Personality; clinical and consulting psychology. Address: Box 195, Livingston, Tenn. 38570.
- WISPE, DR. LAUREN G(LASGOW), Psychol, see 10th ed, Soc. & Behav. Vols.
- WISSEL, DR. JOSEPH W(ILLIAM), b. Hillside, N.J., Apr. 5, 23; m. 46; c. 2. INDUSTRIAL PSYCHOLOGY, HUMAN ENGINEERING. B.S., Florida, 47; M.S., Purdue, 48, Purdue Res. Found. fel, 49, Ph.D.(indust. psychol), 50. Res. assoc., Dunlap & Assocs, Inc. 50-53, res. dir, 53-55; res. specialist, missiles syst. div., LOCKHEED AIRCRAFT CORP, 55-58, mgr. missile & space systs., LOCKHEED MISSILES & SPACE CO, Palo Alto, 58-64, SR. STAFF ENGR., SUNNYVALE, 64- Spec. consult, psychol. exam. cmt. State Bd. Med. Exam, Calif, 60-61. U.S.A., 43-46. Human Factors Soc. Analysis of weapons systems to assure man-machine compatibility; application of human engineering data to design of missile and space systems. Publ: Co-auth, Remote handling of radiation sources, Elec. Engr. auth, Human error potential and in todays ballistic missiles systems, Inst. Aerospace Sci, 4/62; co-auth, Designing atmospheric contaminants out of the space capsule, Soc. Automotive Engr, 9/63. Address: 2431 Villaneuva Way, Mountain View, Calif. 94040.
- WISSEL, PETER EDWARD, b. New York, N.Y., Feb. 12, 22; m. 45; c. 3. ECONOMICS, STATISTICS. B.A. Columbia, 43, M.A., 53. With TEXACO INC, 47-61, asst. mgr. ECON. DEPT., 61-62, MGR, 62- Econ. Asn. Business forecasting; economics of petroleum and related industries. Address: 371 Old Army Rd, Scarsdale, N.Y. 10583.
- WISSNER, PROF. HOWARD WILLIAM, b. Pittsburgh, Pa, Dec. 7, 11. ECONOMICS. A.B., Pittsburgh, 38, A.M., 39, Ph.D., 48. Instr. econ. col. of the Ozarks, 39-43; assoc. economist, U.S. Dept. Labor, 43-46; lectr. econ, Pittsburgh, 47-48; assoc. prof., Ala. Polytech, 48-49; from assoc. prof. econ. & indust. rels. to PROF. ECON., TULANE, 49- Indust. Rels. Res. Asn. Labor economics; collective bargaining; personnel management. Address: Dept. of Economics, Tulane University, New Orleans, La. 70118.
- WIST, DR. EUGENE R(AYMOND), b. Chicago, Ill., Feb. 11, 32; m. 62. PSYCHOLOGY. B.S., Northwestern, 54; M.A., Missouri, 57, Ph.D., 60. Asst., Missouri, 54-55, U.S. Air Force Contract, 55, instr. psychol. univ, 55-59; res. psychologist, Army Med. Res. Lab, Ft. Knox, Ky, 60-63; asst. prof. PSYCHOL., FRANKLIN & MARSHALL COL, 63-66, ASSOC. PROF., 66-, CHMN. DEPT., 67- Lectr., Louisville, 60-; Nat. Inst. Ment. Health res. grant, 64-65; Nat. Inst. Neurol. Diseases & Blindness res. grants, 65-71. Med.Serv.C., U.S.A., 58-63, Capt. AAAS; Psychol. Asn.; Psychonomic Soc. Visual perception; psychophysics; sensory electrophysiology; perceptual learning; neural coding of sensory inputs; arousal mechanisms and perception; space perception. Publ: Amount, delay and position of delay of reinforcement as parameters of runway performance, J. Exp. Psychol, 62; co-auth, Some characteristics of voluntary nystagmus, Arch. Ophthal, 63; The effect of interocular delay and repetition interval on depth perception, Vision Res, 66. Address: Dept. of Psychology, Franklin & Marshall College, Lancaster, Pa. 17604.
- WIT, PROF. DANIEL, b. New York, N.Y., June 8, 23; m. 47; c. 2. POLITICAL SCIENCE. A.B., Union Col, 43; Compton fel, Princeton, 46-47, univ. fel, 47-48, A.M., 48, Ph.D., 50. Instr., Ohio State, 48-50; asst. prof. polit. sci., Cincinnati, 50-54; vis. asst. prof., Michigan, 54-56; vis. prof. pub. admin., Thammasat, 56-58; assoc. prof., Indiana, 58; dir. int. studies, Govt. Affairs Inst, 59-61; PROF. POLIT. SCI. & HEAD DEPT., NORTHERN ILLINOIS, 61- Prof, Nat. War Col, 63-64; Fulbright prof., Inst. Social Studies, Netherlands, 66-67. Polit. Sci. Asn.; Soc. Pub. Admin. National security policy, comparative government and administration; Western Europe; Southeast Asia. Publ: Comparative political institutions; Labor law and practice in Thailand, U.S. Dept. Labor, 64; Thailand: another Vietnam?, Scribner, 68. Address: Dept. of Political Science, Northern Illinois University, DeKalb, Ill. 60115.
- WITCHELL, PROF. SAMUEL E(DWARD), b. Pittsburgh, Pa, Sept. 9, 08; m. 33; c. 2. SOCIOLOGY. A.B., Wayneburg Col, 30; Pittsburgh, 32; M.A., Columbia, 37; N.Y. Univ, 39; Pennsylvania, 39, 47-50. Instr., high sch., Pa, 30-34; N.J., 34-37; SOCIOL., GLASSBORO STATE COL, 37-39, dean men & asst. prof, 39-54, ASSOC. PROF., 54- Study & lect. sabbatical, Europe, 67. Consult, Adult Ed. Asn, 47-62. Del. White House Conf. Children & Youth, 50, del. & group leader mobility, 60; mem. Gov. Cmt. Children & Youth, 60-61; Univ. of the Air, 54-67. Fel. Sociol. Asn. Effects of physical and social mobility; use of mass media for education; the family in a period of transition. Address: Dept. of Social Science, Glassboro State College, Glassboro, N.J. 08028.
- WITTHALL, DR. JOHN, b. London, Eng, Oct. 14, 14; nat; m. 44; c. 5. PSYCHOLOGY, EDUCATION. B.A., Bishop's Univ, 35, M.Ed., 47; Ph.D.(ed), Chicago, 48. Asst., Chicago, 46-48, supvr, records off, 48-49; asst. prof. ed. psychol, Brooklyn Col, 49-50; assoc. prof. child growth & develop, Delaware, 50-54, dir. psychol. serv, 50-52, res. fel, 52; assoc. for conf. & centennial, Nat. Ed. Asn, 54-56; exec. secy., U.S. Ed. Found, Pakistan, 56-59; dir. training & res. ment. health, teacher ed. res. proj., Wisconsin, 59-62, univ. overseas rep. with Peace Corps, Ivory Coast, 62-64; distinguished vis. prof. ed. psychol, PA. STATE, 64; PROF. ED. PSYCHOL. & HEAD DEPT. SEC. ED., 64- AAAS; fel. Psychol. Asn.; fel. Acad. Psychother; Soc. Psychol. Study Social Issues; Ed. Res. Asn. Influence of teacher-learner interpersonal relationships on learning; ways of assessing teacher impact and behaviors. Publ: Objective measurement of a teacher's classroom interactions, J. Ed. Psychol; Research tools: observing and recording behavior, Rev. Ed.
- Res; Social interaction in classrooms, In: Handbook of research on teaching. Address: Chambers Bldg, Pennsylvania State University, University Park, Pa. 16802.
- WITHERS, PROF. ARNOLD MOORE, b. Pueblo, Colo, May 28, 16; m. 41; c. 2. ANTHROPOLOGY; B.A., Arizona, 38, M.A., 41; Columbia, 42, 46-47. Field archaeologist, Ariz. State Mus, 39-40; Amerind Found, Ariz, 41; ranger naturalist, Nat. Park Serv, Grand Canyon, 41; from asst. prof. to PROF. ANTHROP., DENVER, 47- With Amerind Found, Casas Grandes, Mex, 59-61. Sig.C., U.S.A., 42-45. Fel. Anthropol. Asn; Soc. Archaeol. Archaeology of the southwest and the western plains; Mexico. Address: Dept. of Anthropology, University of Denver, Denver, Colo. 80210.
- WITHERS, DR. RUSSELL V(ERNON), b. Rexburg, Idaho, July 14, 33; m. 58; c. 6. AGRICULTURAL ECONOMICS. B.S., Utah State, 57, M.S., 59; Ph.D. (agr. econ), Cornell, 62. Asst. agr. economist & asst. prof. agr. econ, IDAHO, 61-67, ASSOC. PROF. AGR. ECON., 67- Res. asst. Utah State, summer 57. Agr. Econ. Asn. Cost analysis of agricultural crop and livestock enterprises; rural problems, resource development and land economics. Publ: Co-auth, Upgrading farm dairy facilities for manufacturing milk, 9/64, auth, Potato production costs, 8/65 & co-auth, Production credit use in Idaho agriculture, 5/66, Idaho Agr. Exp. Sta. Bull. Address: Dept. of Agricultural Economics, University of Idaho, Moscow, Idaho 83843.
- WITHERS, PROF. WILLIAM, b. St. Louis, Mo, Dec. 21, 05; m. 31. ECONOMICS. A.B., Columbia, 26, A.M., 28, Ph.D., 32. Instr. econ, Lehigh, 27-29; N.Y. Univ, 29-31, res. assoc. ed. econ, teachers col, Columbia, 31-32, instr. soc. sci, 32-36, asst. prof. ed, 36-37; from asst. prof. to PROF. ECON., QUEENS COL.(N.Y.), 37-, chmn. econ. & contemporary civilization, 27-41, 47-53, 59-61. Soc. Sci. Res. Coun. res. grant, 66-67. Prin. res. supvr, Works Progress Admin, 35-36; chief civil requirements br, War Prod. Bd, 41-42. Econ. Asn. Relief and unemployment statistics; public finance and taxation; contemporary civilization theory; Latin American economics; economic development theory. Publ: Economic crisis in Latin America, Macmillan, 64; Freedom through power, Day, 65; Business in society, Appleton, 66. Address: Dept. of Economics, Queens College, Flushing, N.Y. 11367.
- WITHERSPOON, PROF. RALPH L(EO), b. Port Austin, Mich, July 16, 09; m. 35; c. 3. CHILD PSYCHOLOGY. B.S., Central Mich. Col, 32; M.A., Michigan, 40, Ph.D.(human develop), 49. From assoc. prof. to prof. psychol. & dir. child develop. inst, FLA. STATE, 48-60, PROF. PSYCHOL., 60-, DIR. INST. HUMAN DEVELOP., 59-, head dept. elem. ed, 66-68. Participant, U.S. Off. Ed. res. proj., Troy Child Growth & Develop, 60. Psychol. Asn; fel. Soc. Res. Child Develop. Child growth and development; measurement of intelligence in relation to growth rate. Publ: Tests of concepts of the growth the children as wholes from the data of the Harvard Growth Study; Selected areas of development of twins in relation to zygosity—a progress report, Academic, 65; co-auth, Good schools for young children, Macmillan, 68. Address: Institute of Human Development, Florida State University, Tallahassee, Fla. 32306.
- WITHERSPOON, PROF. ROBERT PAUL, b. Norman, Ark, May 13, 23; m. 49; c. 3. PSYCHOLOGY, COUNSELING. B.A., Arkansas, 50, South. Fel. Fund fel. & Ed.D.(counseling psychol), 61; M.A., Trinity, 52; summers, Texas, 53, 54. Instr., high sch., Tex, 52-55; from instr. PSYCHOL. to PROF., STATE COL. ARK, 55- Med.C., U.S.A., 48-49, 50-51. Psychol. Asn. Guidance; personality factors related to choice of major in college; differences in problems of racial groups in schools. Publ: Co-auth, Relationship between grade-point averages and sectional scores on the Guilford-Zimmerman temperament survey, Ed. & Psychol. Measurement, winter 59; auth, A comparison of the problems of certain Anglo- and Latin-American junior high school students, J. Ed. Res, 4/60. Address: Route 2, Box 74, Conway, Ark. 72032.
- WITHEY, PROF. STEPHEN B(ASSETT), b. San Diego, Calif, May 24, 18; m. 50; c. 2. PSYCHOLOGY. B.A., Asbury Col, 41; M.A., Northwestern, 47; Ph.D.(psychol), Michigan, 52. Asst. psychol. dept., Northwestern, 40-41, 47; Washington (Seattle), 47-48; PROG. DIR. INST. SOC. RES., MICHIGAN, 48-, PROF. PSYCHOL., 61-, assoc. prof, 55-61. Consult, U.S. Dept. Defense, Nat. Resources Bd. & Fed. Civil Defense Admin, 51; div. community ed, Puerto Rico, 52, 55; Nat. Res. Coun, 53, 55-56. Mem. ment. health study sect, Nat. Inst. Ment. Health, 62-66; exec. secy, explor. cmt. to assess progress of ed, Carnegie Found, 64-65. U.S.A., 42-46, Maj. AAAS; Psychol. Asn; Sociol. Asn. General and social psychology. Publ: Big business as the people see it; co-auth, Boys becoming adolescents, 61 & Boys aged eight to ten, 64, Univ. Michigan. Address: 1244 Westport St, Ann Arbor, Mich. 48103.
- WITHINGTON, PROF. WILLIAM A(DRIANCE), b. Honolulu, Hawaii, Feb. 17, 24; m. 55; c. 2. GEOGRAPHY. A.B., Harvard, 46; M.A., Northwestern, 48, Ph.D., 55. From instr. to asst. prof. geog, George Washington, 48-53; pubs. writer, New Eng-New York inter-agency Cmt, 54-55; instr. GEOG., KENTUCKY, 55-56, asst. prof, 56-63, ASSOC. PROF., 63- Vis. prof. Nomenclature Univ, Indonesia, 57-59; lectr. Asia, Nat. Defense Ed. Act. Inst. Geog. Miss. State, 66. Asn. Am. Geog; Am. Geog. Soc; Nat. Coun. Geog. Ed; Asn. Asian Studies. Sumatra, Indonesia; southeast Asia; urban, regional and economic geography; North America. Publ: Co-auth, Asia with focus on southeast Asia, Fidelor Co, 66; auth, Migration and economic development in rural Sumatra, Indonesia, Tijdschrift voor ec. en Sociale Geografie, 5-6/67; Major regions of Sumatra, Indonesia, Asn. Am. Geog. Annals, 9/67. Address: Dept. of Geography, University of Kentucky, Lexington, Ky. 40506.
- WITKIN, DR. ARTHUR A(ARON), b. New York, N.Y., Aug. 17, 21; m. 45; c. 3. PSYCHOLOGY. B.S., City Col. New York, 41, M.S., 43; Ph.D.(psychol), N.Y. Univ, 56. Sr. staff psychologist, Klein Inst. Aptitude Testing, 48-56; instr. PSYCHOL., QUEENS COL.(N.Y.), 56-62, ASST. PROF., 62- Lectr., City Col. New York, 46-61; pres, Personnel Psychol. Center, 56- U.S.A., 43-46. Psychol. Asn. Personnel evaluation. Publ: A business executive's guide to interviewing, Personnel Psychol. Center, 63; Differential interest patterns in salesmen, J. Appl. Psychol. Address: Dept. of Psychology, Queens College, Flushing, N.Y. 11367.

WITKIN, PROF. HERMAN A, b. New York, N.Y., Aug. 2, 18; m. 43; c. 2. PSYCHOLOGY. A.B. N.Y. Univ, 35, A.M. 36, Ph.D.(psychol), 39. Asst. psychol, N.Y. Univ, 36-39; res. assoc. Swarthmore Col, 39-40; from instr. to assoc. prof, Brooklyn Col, 40-52; assoc. prof. DEPT. PSYCHIAT, COL. MED, STATE UNIV. N.Y. DOWNSTATE MED. CENTER, 52-58, PROF, 58-, DIR. PSYCHOL. LAB, 52- Nat. Res. Coun. fel, New Sch. Soc. Res, 43-45. U.S.A.A.F. 45-46. Fel. Psychol. Assn. Cognition; personality; developmental psychology; sleep and dreaming. Publ: Co-auth, Personality through perception, an experimental and clinical study; Psychological differentiation: studies of development; Experimental studies of dreaming. Address: Dept. of Psychiatry, State University of New York Downstate Medical Center, 450 Clarkson Ave, Brooklyn, N.Y. 11203.

WITMAN, DR. SHEPHERD L, Polit. Sci, see 10th ed, Soc. & Behav. Vols.

WITMER, DR. HELEN L, b. Lansford, Pa, July 17, 98. SOCIOLOGY. A.B. Dickinson Col, 19; A.M. Wisconsin, 23, Ph.D. 25; Bryn Mawr Col, 23-24. Dir. res. sch. soc. work, Smith Col, 29-49; prof. soc. welfare, California, Los Angeles, 49-51; DIR. div. res. U.S. CHILDREN'S BUR, 51-67, RES. UTILIZATION, 67- Soc. Sci. Res. Coun. fel, London Sch. Econ, 27-29. Fel. Orthopsychiat. Assn. Child health; child welfare; delinquency. Publ: Prevention of delinquency; Personality in the making; the fact-finding report of the midcentury White House Conference on children and youth, Harper, 52; Independent adoptions, Russell Sage, 63. Address: 433 S. Lee St, Alexandria, Va. 22306.

WITNEY, PROF. FRED, b. Chicago, Ill, Nov. 25, 17; m. 43; c. 2. ECONOMICS. A.B. Illinois, 40, A.M. 41, Ph.D. 47. Asst. prof. ECON, INDIANA, 48-53, assoc. prof, 53-60, PROF, 60- Consult, 48-; chmn. spec. bd. adjust, Rock Island R.R. & Switchman Union, Nat. Mediation Bd, 65; mem. arbit. panel, Atomic Energy Cmn, 66- Nat. Acad. Arbit; Indust. Rels. Res. Assn; Econ. Assn. Labor relations law; labor arbitration; collective bargaining. Publ: Indiana labor relations law; Labor policy and practices in Spain, Praeger, 65; co-auth, Labor relations, Prentice-Hall, 67. Address: Dept. of Economics, Indiana University, Bloomington, Ind. 47401.

WITRYOL, PROF. SAM L(OUIS), b. Syracuse, N.Y., Feb. 5, 22; m. 53; c. 3. PSYCHOLOGY. Ph.D.(psychol), Syracuse, 49. Instr. PSYCHOL, CONNECTICUT, 49-52, asst. prof, 52-58, assoc. prof, 58-62, PROF, 62- AAAS: Psychol. Assn; Soc. Res. Child Develop. Developmental psychology; child motivation; tests and measurements. Publ: Scaling procedures based on the method of paired comparisons, J. Appl. Psychol; co-auth, Development of incentive values in childhood, Genet. Psychol. Monog, 65; Incentive effects upon attention in children's discrimination learning, J. Exp. Child Psychol, 67. Address: Dept. of Psychology, University of Connecticut, Storrs, Conn. 06268.

WITT, PROF. LAWRENCE W(ILLIAM), b. Chicago, Ill, July 16, 14; m. 39; c. 2. AGRICULTURAL ECONOMICS. B.S.A. Wisconsin, 37; M.S. Iowa State Col, 38; Ph.D. 41; Farm Found. fel, Chicago, 39-40. Assoc. Inst. Current World Affairs, 41-43; from agr. economist to sr. agr. economist, off. for. agr. rels, U.S. Dept. Agr, 43-47; from assoc. prof. to PROF. AGR. ECON, MICH. STATE, 47- Consult, Food & Agr. Orgn, 51; Food for Peace, 61; Econ. Res. Serv, U.S. Dept. Agr, 62. Econ. Assn; Agr. Econ. Assn.(ed, J. Farm Econ, 52-54; v.pres, 55, pres, 66-67); Acad. Polit. & Soc. Sci; Rural Sociol. Soc. National and international agricultural policy; means of increasing the stability of agricultural income. Publ: Economic problems of low income farmers in Iowa; Agriculture, trade and reciprocal trade agreements; co-auth, Agriculture in economic development, McGraw, 64. Address: 448 Haslett St, East Lansing, Mich. 48823.

WITT, DR. PETER N(IKOLAUS), b. Berlin, Germany, Oct. 20, 18; m. 49; c. 2. PHARMACOLOGY. Berlin & Graz, 44; M.D. Tuebingen, 46. Asst. to Prof. F. Raffner, Tuebingen, 45-49; sr. asst. to Prof. W. Wilbrandt, Berne, 49-56, privat-docent, 56; asst. prof. pharmacol, col. med, State Univ. N.Y. Upstate Med. Center, 56-59, assoc. prof, 59-66; DIR. DIV. RES, N.C. DEPT. MENT. HEALTH, 66- Rockefeller fel. & Harvard officer, Harvard Med. Sch, 52-53; Lederle Med. faculty award, 57-59; Adj. prof, N.C. State, 66-; North Carolina, Chapel Hill, 66- Buerger award, 56. Med.Serv, German Army, 39-45. Am. Soc. Pharmacol; German Pharmacol. Soc; Swiss Pharmacol. Soc. Effect of drugs on web building behavior of spiders; effect of cardioactive drugs on ion movements in heart muscle; objective testing of fine motor behavior in healthy and diseased human subjects under the influence of drugs. Publ: Co-auth, A spider's web: problems in regulatory biology, Springer, Heidelberg, 68, Spider-web building, Science, 149: 1190-1197 & Factors contributing to unexpected reactions in two human drug-placebo experiments, Confinia Psychiatrica, 8: 57-68. Address: Division of Research, North Carolina Dept. of Mental Health, Box 7532, Raleigh, N.C. 27602.

WITT, PROF. ROBERT, b. Hays, Kans, May 21, 22; m. 46; c. 2. SOCIOLOGY. A.B. Kansas, 45, M.A. 49; Yale, 45-46; Wisconsin, 50-54. Instr. SOCIOLOG, Kansas, 47-50, 54-55; asst. prof, FT. HAYS KANS. STATE COL, 55-63, ASSOC. PROF, 63- Sociol. Assn. Address: Dept. of Political Science & Sociology, Ft. Hays Kansas State College, Hays, Kans. 67601.

WITTE, DR. ERNEST F(REDERIC), b. Swanton, Nebr, May 25, 04; m. 39; c. 3. ECONOMICS. B.S. Nebraska, 25, M.A. 26; Ph.D.(econ, bus), Chicago, 32; Sch. Soc. Serv. & Admin, 34. Instr. econ, Bradley Polytech. Inst, 29-30; econ. & mkt, Ohio Wesleyan, 30-32; case aid, Ill. Emergency Relief Cmn, Chicago, 32-34, spec. coordinator res, 35; field supvr, Fed. Emergency Relief Admin, Nebr, 34-35, county adminstr, Lancaster county, 35, from state adminstr. to liquidating agent, 35-37; dir. grad. sch. soc. work, Nebraska, 37-39; Washington (Seattle), 39-43; chief soc. serv. Vet. Admin, San Francisco, 46-48; exec. secy, Coun. Soc. Agencies, Seattle, 48-52; chief tech. training div, bur. pub. assistance, Fed. Security Agency, D.C. 52-53; exec. dir, Coun. Soc. Work Ed, 53-63; COORDINATOR, SOC. WORK ED, CALIF. STATE COL. SYST. & PROF. SOC. WORK & DEAN SCH. SOC. WORK, SAN DIEGO STATE COL, 63- Field rep, U.S. Soc. Security Bd, 32-37. Consult, Off. Ed. & Soc. Develop, Agency Int. Develop, U.S. Dept. State, 62. Mem. cmt. training & personnel & adv. Childrens Bur. & Bur. Pub. Assistance, Dept. Health, Ed. & Welfare; exec. cmt. Nat. Conf. Soc. Work,

48-52; Wash. State Coun. Children & Youth, 49-; White House Conf. Children & Youth, 50. Lasker distinguished serv. award, 57. U.S.A. 43-46, Col; Bronze Star Medal; Croix de Guerre, France; Order of Orange-Nassau, Netherlands. Int. Conf. Soc. Work; Nat. Assn. Social Workers(pres, Am. Assn. Soc. Workers, 49-51). Administration in social work; community organization; public social services. Publ: Co-auth, Professional education for social work, Higher Ed; Report on community development in India, Iran, Egypt and the Gold Coast; Education for social work, In: Social Work Yearbook. Address: 5438 Marylane Dr, San Diego, Calif. 92115.

WITTE, PROF. WILLIAM D(ARWIN) S(WANSON), Polit. Sci, see 10th ed, Soc. & Behav. Vols.

WITTENBORN, PROF. J. RICHARD, b. Ft. Gage, Ill, May 22, 15; m. 37; c. 4. PSYCHOLOGY. B.Ed. South. Ill. Univ, 37; M.S. Illinois, 39, Ph.D.(psychol), 42. Asst. psychol, Illinois, 39-42; from asst. clin. psychologist to clin. psychologist, Univ. health, Yale, 42-46, from instr. psychol. to assoc. prof, 42-54, U.S. Pub. Health Serv. spec. fel, 48-50; UNIV. PROF. PSYCHOL. & ED, RUTGERS, 54-, DIR. INTERDISCIPLINARY RES. CENTER, 59- Personality assessment; motivation and behavior change; design of research in clinical psychology; clinical psychopharmacology. Publ: Factorial equations for tests of attention; Psychiatric rating scales; Psychopharmacology of anxiety. Address: Rutgers Interdisciplinary Research Center, Rutgers, The State University, New Brunswick, N.J. 08903.

WITTHOFT, JOHN, b. Oneonta, N.Y., Oct. 4, 21; m. c. 3. ANTHROPOLOGY. B.A. N.Y. State Teachers Col, 43; M.A. Pennsylvania, 45; univ. fel, Michigan, 47, Lilly fel, 47-48. Asst. zool, N.Y. State Teachers Col.(Albany), 41-44; instr. army spec. training prog, Pennsylvania, 45-46; asst. state anthropologist, State Mus, Pa, 48-49, state anthropologist, 48-50, 59-67, dir, 55-58; LECTR. ANTHROP, PENNSYLVANIA, 67- Anthropol. Assn; Soc. Archaeol. Archaeology of eastern woodlands, especially New York and Pennsylvania; ethnology of eastern woodlands, especially Cherokee and Iroquois. Address: Dept. of Anthropology, University of Pennsylvania, 33rd & Spruce Sts, Philadelphia, Pa. 19104.

WITTICH, DR. J(OHN) J(ACOB), b. Huntley, Ill, Nov. 13, 21; m. 44; c. 2. EDUCATIONAL PSYCHOLOGY. A.B. DePauw, 43; A.M. New Mexico, 49; Ph.D. Stanford, 51. Asst. prof, Col. Pacific, 51-52; dean admissions & scholarships, DePauw, 52-63, dir, col. center, Finger Lakes, 61-63; EXEC. DIR, COL. STUDENT PERSONNEL INST, 63- Dir, Nat. Conf. Inter-inst. Coop, 62. Consult, Calif. Gov. Conf. Ed, 65; Calif. Gov. Conf. Youth, 66. Guidance; educational administration. Address: College Student Personnel Institute, 165 E. Tenth, Claremont, Calif. 91711.

WITTLINGER, DEAN CARLTON OSCAR, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WITTMAN, DR. JAMES S(MYTHE) JR, b. South Williamsport, Pa, May 18, 19; m. 41; c. 6. SOCIOLOGY. B.S. Cornell, 41, M.S. 48, Ph.D. 51. Teacher voc. agr, Mountoursville High Sch, Pa, 45-46; Gorham Cent. Sch, N.Y. 46-47; King Ferry Cent. Sch, 47-49; asst. rural sociol, Cornell, 49-51; mgr, Menanico Colony Training Sch, N.J. 51-53; salesman, Stroehmann Bros. Bakery, Pa, 53-54; teacher voc. agr, Bd. Coop. Ed. Serv, N.Y. 54-57; prof. sociol. & chmn. dept, La. Col, 58-62; W.Ga. Col, 62-67; RES. SOCIOLOGIST, SOC. SCI. RES. CENTER, MISS. STATE, 67- Nat. Sci. Found. res. grant, summer anthrop. inst, Oregon, 64; res. dir. financial aid & serv, Aid to Families Dependent Children, Miss. Del. res. sect, White House Conf. Aging, 61. U.S.A. 41-45, Res, 45-, Lt. Col. Fel. Sociol. Assn; Acad. Polit. & Soc. Sci; Planning Assn. Sociological teaching, administration and research; education; development of principles in relation to formal and informal social participation of families and individuals of all ages in American society. Publ: Source books for projects in social science, W.Ga. Col, 65. Address: 119 Austin Ave, Carrollton, Ga. 30117.

WITTMAN, PROF. JOHN, JR, b. Stuttgart, Ark, Jan. 3, 30; m. 55; c. 1. ECONOMICS. B.S. South. State Col, 57; M.B.A. Arkansas, 59, Ph.D.(econ), 65. Instr. ECON, Arkansas, 59-60; asst. prof, TEX. TECH. COL, 60-65, ASSOC. PROF, 65- U.S.A.F. 50-54. Econ. Assn. Characteristics of industrial labor force mobility. Address: Dept. of Economics, Texas Technological College, Lubbock, Tex. 79409.

WITTREICH, DR. WARREN J(AMES), b. Weehawken, N.J., Aug. 18, 29. PSYCHOLOGY. A.B. Princeton, 51, Nat. Sci. Found. fel, 52-53, M.A. 53, Ph.D. 54; Catholic Univ, 54-55. Asst, Princeton, 50-52, res. assoc, 53-54; trainee clin. psychol, Vet. Admin. Hosp, East Orange, N.J. 54-55; personnel res. analyst, Armstrong Cork Co, 55-58, mgr. mkt. & consumer res, 59; v.pres, Nat. Analysts, Inc, 59-64; PRES, Daniel Yankelovich, Inc. Pa. 64-67; WITTREICH ASSOCS, INC, 67- Guest scientist, Naval Med. Res. Inst, 53-54; lectr, Pa. State, 58-59; Pittsburgh, 59-61. Psychol. Assn; Mkt. Assn. Application of experimental and clinical psychological research techniques to industrial personnel, organization, communication and marketing problems; transactional theory of perception. Publ: Honi phenomenon: case of selective perceptual distortion, J. Abnorm. & Soc. Psychol; Personality and perception, Sci. Am; How to buy/sell professional services, Harvard Bus. Rev. Address: Wittreich Associates, Inc, One Belmont Ave, Bala-Cynwyd, Pa. 19004.

WITTRIG, DR. JOHN J, b. Washington Co, Iowa, Apr. 9, 30; m. 53; c. 3. PSYCHOLOGY, CHEMISTRY. B.A. Iowa State, 56; M.A. Vanderbilt, 60, Nat. Inst. Ment. Health fel, 58-59, Ph.D.(psychol), 62. Vet. Admin. trainee clin. psychol, VET. ADMIN. HOSP, MURFREESBORO, TENN, 60-62, staff psychologist, 62-63, chief psychobiol. lab, 63-67, SUPVRY. RES. PSYCHOLOGIST, 67- Assoc. prof. chem, Middle Tenn. State, 66- Consult. dept. psychiatrist, med. sch, Vanderbilt, 67- U.S.A. 51-53. AAAS: Psychol. Assn. Physiology of emotions, early experience and developmental stress; mechanisms of affective disorders; mechanisms of lithium action in biological systems. Publ: Co-auth, Helson's residual factor vs. innate S-R relations, Psychol. Reports, 60; auth, Developmental stress, emotionality and survival: a new test, Proc. Am. Psychol. Assn, 63; Extravascular plasticity of posterior cortex

in rats as a function of variations in proximal and distal input during development, *Perceptual & Motor Skills*, 66. Address: 611 Fairview, Murfreesboro, Tenn. 37130.

WITTROCK, PROF. MERLIN C(ARL), b. Twin Falls, Idaho, Jan. 3, 31; m. 53; c. 3. EDUCATIONAL PSYCHOLOGY. B.S. Missouri, 53, M.Ed. 56; Ph.D. (ed), Illinois, 60. PROF. ED. PSYCHOL. CALIFORNIA, LOS ANGELES, 60-, DIR. EVAL. OF INSTR. RES. & DEVELOP. CENTER, 66- Fel. Center Adv. Study Behav. Sci. 67-68. Fel. Psychol. Asn; Ed. Res. Asn. Publ: Ed-in-chief, Readings in educational research, Wiley, 68; Learning by discovery hypothesis, In: Learning by discovery, Rand McNally, 66; Replacement and non-replacement strategies in children's problem solving, J. Ed. Psychol. 67. Address: Dept. of Education, University of California, 325 Moore Hall, Los Angeles, Calif. 90024.

WITTRY, DR. WARREN L(EE), b. Davenport, Iowa, May 24, 27; m. 50; c. 3. ANTHROPOLOGY. B.A. Wisconsin, 50, M.A. 56, Ph.D. 58. Asst. anthrop. State Hist. Soc. Wis. 49-53, curator, 53-59; State Mus. Ill. 60-62; asst. dir. CRANBROOK INST. SCI. 62-67, DIR. 67- U.S.N. 45-46. Fel. Anthropol. Asn; Soc. Archaeol. Archaeology and ethnology of Eastern United States; ethno-history; archaic and Mississippian cultures; museology. Publ: Raddatz rockshelter SK 5, Wisconsin & Archeological studies of four Wisconsin rockshelters, Wis. Archeologist. Address: Cranbrook Institute of Science, Bloomfield Hills, Mich. 48013.

WITTWER, DR. ELTON, Agr. Econ. see 10th ed, Soc. & Behav. Vols. deceased 61.

WITTY, PROF. PAUL A(NDREW), b. Terre Haute, Ind. July 23, 98. PSYCHOLOGY. A.B. Ind. State Teachers Col. 20; Chicago, 20-22; M.A. Columbia, 23, Ph.D.(psychol.) 31. Assoc. prof. ed. psychol. Kansas, 23-25, prof. 25-30; prof. ed. & dir. psycho-ed. clin. NORTHWESTERN, 30-42, 45-66, EMER. PROF. ED. 66- U.S.A. 42-44, Maj. AAAS; Psychol. Asn; fel. Soc. Res. Child Develop. Child development; exceptional children; reading and the educative process. Publ: Gifted child; How to become a better reader; Reading in modern education. Address: 531 Grove St, Evanston, Ill. 60436.

WITZ, DR. KLAUS GERHARD, Math, see 11th ed, Phys. & Biol. Vols.

WITZIG, PROF. FREDERICK T(HEODORE), b. Ill. Feb. 26, 25; m. 51; c. 3. GEOGRAPHY. B.S. Bradley, 49; M.S. Illinois, 51, Ph.D. 57. From instr. to PROF. GEOG. MINNESOTA, DULUTH, 53- Consult. State Legis. Interim Study Cmn. Geol. Pollution, Minn. 59. U.S.N. 43-46. Asn. Am. Geog. Econ. and mineral geography; regional geography of Europe. Address: Dept. of Geography, University of Minnesota, Duluth, Minn. 55812.

WIXON, PROF. RUFUS, b. Cherokee, Iowa, Nov. 27, 11; m. 39; c. 3. ACCOUNTING, FINANCE. B.S.C. Iowa, 33, M.A. 35; Ph.D.(bus. admin), Michigan, 45. Jr. acct. I.B. McGladrey & Co. 33-34; instr. acct. North Dakota, 35-36; staff acct. Edward Gore & Co. 36-37; instr. acct. Wayne, 37-41; lectr. econ. Michigan, 41-45, asst. prof. ACCT. 45-47; prof. & head dept. Buffalo, 47-49; PROF. PENNSYLVANIA, 49-, chmn. dept. 52-63. Assoc. chief & acct. special. inst. pub. & bus. admin. Karachi, 55-57; vis. lectr. Puerto Rico, 59; vis. prof. Mgt. Develop. Inst. Switz, 61-62; Florida, 65-66. Consult. Off. Asst. Secy. Defense, 58-60. Acct. Asn; Econ. Asn. Accounting principles; management controls. Publ: Budgetary control; co-auth. Principles of accounting; ed. Accountants' handbook. Address: University of Pennsylvania, Wharton School, Philadelphia, Pa. 19104.

WLADKOWSKY, EDITH, b. Ostrow, Poland, Feb. 6, 08; nat. CLINICAL PSYCHOLOGY. B.S. N.Y. Univ. 32; North Carolina, 32-36. Chief psychologist, Caswell State Training Sch. N.C. 36-41; psychologist, State Dept. Pub. Welfare, Va. 41-42; chief psychologist, Mansfield State Hosp. Conn. 42-43; sr. psychologist, psychiat. div. Bellevue Hosp. 43-66; CONSULT. HOME & HOSP. DAUGHTERS ISRAEL, 66- Asst. prof. N.Y. Univ. Med. Center, 62- Dipl. Am. Bd. Exam. Prnl. Psychol. 46. Psychol. Asn; fel. Asn. Ment. Deficiency; Group Psychother. Asn. Mental growth relative to mental deficiency; personality evaluation by means of psychological tests; psychotherapy and geriatrics. Publ: Personality and diagnostic evaluation by means of non-projective techniques, Ann. N.Y. Acad. Sci. co-auth. Herniation of brain through ear with recovery, J. Nervous & Ment. Disease. Address: 350 E. 30th St, New York, N.Y. 10016.

WOEHR, DR. HARRY J(OSEPH), b. West Berlin, N.J. Mar. 18, 20; m. 48; c. 3. CLINICAL PSYCHOLOGY. B.A. Temple, 49, M.A. 50, Ph.D. 55. Staff psychologist, Bancroft Sch. 49-56; PRES. HARRY J. WOEHRE & ASSOC'S, INC. MGT. & CONSULT. PSYCHOLOGISTS, 56- Lectr. & assoc. to pres, Temple, 50-60; lectr. Pa. State, 51-52; fel. Denison. Staff psychologist, Del. County Court, 51-57; assoc. Edward N. Hay & Assoc. Inc. 53-56. Consult. Pa. State Police Training Acad. 58- Mem. bd. dirs. Phila. Indust. Develop. Corp; Col. Liberal Arts Alumni Asn, Temple; Task Force Comprehensive Ment. Health & Ment. Retardation Planning Prog. Commonwealth Pa; mgt. adv. cmt. Lincoln Nat. Bank Phila; aviation cmt, traffic & transportation coun, Chamber Commerce Greater Phila; select cmt, Friends Select Sch, Phila; manpower resources cmt, Chamber Commerce, Phila. U.S.A.A.F. 41-45, Sgt. AAAS; Psychol. Asn; Int. Astronaut. Fedn. Executive and organizational development; motivation and organizational structure; development and measurement of motivation and personality development of successful managers. Address: Harry J. Woehr & Associates, Inc. 1524 Philadelphia National Bank Bldg, Philadelphia, Pa. 19107.

WOELFL, PAUL A(LOYSIUS), S.J., b. Toledo, Ohio, May 1, 13. POLITICAL SCIENCE. M.A. Loyola Col. 40; Lic. Theol. West Baden Col. 45; Ph.D. (polit. sci), St. Louis, 50. Asst. dir. off. law develop. sch. law, Loyola, 54, asst. prof. POLIT. SCI. & chmn. dept. 52-59; assoc. prof. JOHN CARROLL, 59-63, PROF. 63- Asst. ed. America, 61- Polit. Sci. Asn. Jurisprudence; political theory; American government. Publ: Politics and jurisprudence, Loyola Univ. Press, 66; The federal government and public school desegregation, Detroit Law J; A policeman's lot, America. Address: John Carroll University, Cleveland, Ohio 44118.

WOELLHOF, DR. ELDENE COOK, b. Rock Creek, Ohio, June 16, 24; m. 62; c. 1. COUNSELING PSYCHOLOGY. B.S. State Univ. N.Y. Buffalo, 45; M.Ed. Miami (Ohio) 54; Ph.D.(counseling psychol. marriage counseling), Fla. State, 61. Teacher & head dept. home econ. Westfield Acad. N.Y. 50-51; head dept. jr. high sch. Ill. 54-56; asst. buyer, Davison-Paxon Co. 56-57; head dept. home econ. high schs. Fla. 57-59; asst. prof. guid. & counseling, Kans. State Teachers Col. 61-63; CHIEF PSYCHOLOGIST, KANS. NEUROL. INST. 63- Summer lectr. Washburn, 68. Socioeconomic level of institutionalized retarded children; behavioral modification technique with retarded children. Address: 4432 Twilight Dr, Topeka, Kans. 66614.

WOETZEL, PROF. ROBERT K(URT), b. Shanghai, China, Dec. 5, 30. INTERNATIONAL POLITICS & LAW. B.A. & scholar, Columbia, 52; Henry fel. Oxford, 52-54, Ph.D. 58; von Humboldt fel. Bonn, 56-59, J.D. 59. Legis. asst. U.S. House Rep. 56; assoc. to dir. inst. int. law, Bonn, 56-59; asst. prof. pub. law & govt. grad. faculties arts & sci, Fordham, 59-60; assoc. prof. int. law, N.Y. Univ. 60-63; scholastic novice, Society of Jesus, 63-64; staff mem. center study democratic insts. Fund for Repub. Inc. 64-66; PROF. INT. POLIT. & LAW, BOSTON COL. 66- Adj. assoc. prof. Fordham, 60-63; Am. Coun. Learned Soc. res. grants, 62-63; von Humboldt res. grant, 67. Consult. Carnegie Endowment for Int. Peace, 60-61; Jet Propulsion Labs, Calif. Inst. Tech, 66; prog. adv. policy studies, George Washington, 67. Spec. correspondent, The Guardian, 64; ed. Symp. on Int. Criminal Law. U.S. dir. Int. Inst. Space Law, 62-63; secy-gen. Int. Criminal Law Cmn. 66-; chmn. Joint Seminar Church-State Rel. Boston, 67- U.S.A. 54-56, Res. 56-62. Am. Soc. Int. Law; Polit. Sci. Asn; Acad. Polit. & Soc. Sci; Inst. Aeronaut. & Astronaut; Int. Law Asn. American foreign policy; international law. Publ: International control of space, Asgard Verlag, 60; Nuremberg trials in international law, Praeger, 60, Stevens, 62; Philosophy of freedom, Oceana, 67. Address: Dept. of Political Science, Boston College, Chestnut Hill, Mass. 02167.

WOFFORD, PROF. B(ENJAMIN) M(ONROE), b. Plainview, Tex. Jan. 21, 07; m. 43; c. 1. ECONOMICS. B.A. Texas, 36, M.A. 38, Ph.D.(econ) 48. Wage rate analyst, Nat. War Labor Bd. 44-45; prof. econ. Miss. State Col. 46-56; PROF. ECON. & CHMN. DEPT. & ASSOC. DIR. BUR. BUS. & ECON. RES. NEVADA, 56- Econ. Asn; Statist. Asn. Labor economics and statistics. Publ: Co-auth. Mississippi workers, where they come from and how they perform. Address: Dept. of Economics, University of Nevada, Reno, Nev. 89507.

WOFFORD, DR. JERRY CHARLES, b. Mt. Pleasant, Tex. June 6, 37; m. 59; c. 2. PSYCHOLOGY. B.A. Baylor, 59, Ph.D.(psychol.) 62. Staff assoc. mgt. develop. Mead Corp. 62-63, supvr. 63-64; assoc. prof. psychol. Southern Mississippi, 64-66; ASST. PROF. BUS. ADMIN. TEXAS, 66- Psychol. Asn. Management and organization behavior; test construction; satisfaction and productivity in industry. Publ: Negative ionization, J. Exp. Psychol. 65; Behavior styles and performance effectiveness, 67 & An internal consistency estimate, 67, Psychol. Reports. Address: 3605 Hastings Dr, Arlington, Tex. 76010.

WOGAN, DR. MICHAEL, b. Washington, D.C. May 18, 35; m. 61; c. 3. CLINICAL PSYCHOLOGY. B.A. American Univ. 57; M.A. Florida, 58; Ph.D.(psychother), North Carolina, Chapel Hill, 64. Instr. psychother. res. proj. North Carolina, Chapel Hill, 62-63; asst. psychologist, McClean Hosp. Belmont, Mass. 63-64; ASST. PROF. DEPT. PSYCHOL. & DIV. HEALTH SERV. CONNECTICUT, 64- Consult. Mansfield State Training Sch. Conn. 66-67. Psychol. Asn. Psychotherapy. Address: RFD 2, Box 93A, Coventry, Conn. 06238.

WOHL, DR. ROBERT, Mod. Hist. see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WOHL, DR. SIDNEY A(RTHUR), b. New York, N.Y. Nov. 8, 25; m. 50; c. 1. CLINICAL & COUNSELING PSYCHOLOGY. A.B. Southern California, 53; M.A. Alabama, 55; Ph.D.(clin. psychol.) Kentucky, 58. Asst. psychol. res. Alabama, 53-55; counsr. student counseling serv. Kentucky, 55-56; trainee psychol. Vet. Admin. Hosp. Lexington, Ky. 56-58, staff psychologist, Vet. Admin. Hosp. Tuscaloosa, Ala. 58-60, ward psychologist, VET. ADMIN. HOSP. PALO ALTO, 60-62, STAFF CLIN. PSYCHOLOGIST, 62- Clin. psychologist, U.S. Pub. Health Serv. Hosp. Lexington, Ky. 55-56; vis. lectr. exten. div. Alabama, 59-60; lectr. exten. div. California, 60- U.S.N. 43-46. Psychol. Asn. Psychophysiological correlates of psychological states; group and individual psychological treatment procedures. Address: Veterans Administration Hospital, Palo Alto, Calif. 74304.

WOHL, DR. THEODORE H(ERZL), b. Cincinnati, Ohio, May 4, 27; m. 55; c. 2. PSYCHOLOGY. B.A. Cincinnati, 50; Ph.D. Western Reserve, 56. Mem. clin. psychol. staff, Vet. Admin. Hosp. 56-59, chief psychologist, 59-66; CHIEF PSYCHOLOGIST & DIR. PSYCHOL. TRAINING, HAMILTON COUNTY DIAG. CENTER, 66- Assoc. prof. psychol. & res. assoc. dept. psychiat. Cincinnati, 66- Consult. Cincinnati Convalescent Hosp. Children, 57-; Protestant Big Sisters Home & Cincinnati Bd. Ed. 65-; Vet. Admin. Hosp. 66-; Drake Mem. Hosp. 67- U.S.N. 45-46. Psychol. Asn; Asn. Ment. Deficiency; Nat. Asn. Convalescent Homes & Hosp. for Asthmatic Children. Psychosomatics; psychotherapy; central nervous system deficit; mental retardation. Publ: Role of group psychotherapy for mothers in a rehabilitative approach to juvenile intractable asthma, J. Ment. Hyg; Correlation of anxiety and hostility with adreno cortical function, J. Am. Med. Asn. 1/63; A psychologist's role in a community approach to juvenile intractable asthma, J. Asthma Res. 3/65. Address: 922 Oregon Trail, Cincinnati, Ohio 45215.

WOHLERS, PROF. LESTER P(AUL), b. Yakima, Wash. Aug. 30, 16; m. c. 3. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. A.B. Washington (Seattle), 41; A.M. & Ph.D.(polit. sci), Chicago, 51. Personnel officer, Off. Price Admin. 41-43; asst. to v-pres. overseas rels. Encyclop. Britannica Films, 47-48; motion pictures officer, U.S. Info. Serv. Yugoslavia, 52-54, pub. affairs officer, Japan, 54-57, cultural affairs officer, Pakistan, 59-61; asst. prof. POLIT. SCI. Long Beach State Col. 57-58; assoc. prof. Chico State Col. 61-65; PROF. PARSONS COL. 65- Vis. lectr. Yonsei, Korea, 67. U.S.N. 43-45. Polit. Sci. Asn; Soc. Pub. Admin. Acad. Polit. Sci. Govern-

ment and politics of South Asia and Far East; comparative governments of Europe, Soviet Areas and Asia; public opinion and propaganda. Publ: Education and politics in Korea, J. Polit. Col. Polit. Sci. & Law, Yonsei Univ, Korea, 12/67. Address: Dept. of Political Science, Parsons College, Fairfield, Iowa 52556.

WOHLFORD, DR. PAUL, b. Minneapolis, Minn, Oct. 11, 38; m. 67; c. 1. DEVELOPMENTAL & CLINICAL PSYCHOLOGY. A.B. Harvard, 59, U.S. Pub. Health Serv. fcls, Duke, 59-61, 63-64, Ph.D.(psychol), 64. Trainee clin. psychol. Vet. Admin. Hosp, Salem, Va, summer, 60; staff asst, Peace Corp, Wash, D.C, summer, 61; trainee clin. psychol, Duke Med. Center, summer, 62; Vet. Admin. Hosp, Durham, N.C, 62-63; res. assoc. geriat, Cushing Hosp, Framingham, Mass, summer, 64; intern child psychol, Judge Baker Guid. Center, Boston, Mass, 64-65; ASST. PROF. PSYCHOL, MIAMI (FLA), 65- Prin. investr. of Nat. Sci. Found. res. grant, 65-68; prin. investr. of Fla. Coun. Training & Res. in Ment. Health, 67-68. Consult, Econ. Opportunity Prog, Inc, 67-; Proj. Head Start, 67-; Child Psychiat. Center Dade County, 67- U.S.A.R, 57-65. Orthopsychiat. Asn; Psychol. Asn; Soc. Res. Child Develop. Personal time variables as influenced by affective states and familial constellations; variables related to the initiation of smoking cigarettes; identification patterns in children without fathers; anxiety in unwed mothers. Publ: Extension of personal time, affective states, and expectation of personal death, J. Personality & Soc. Psychol, 66; co-auth, Ordinal position, age, anxiety and defensiveness in unwed mothers, Proc, 75th Convention, Am. Psychol. Asn, 67; auth, Extension of personal time in TAT and story completion stories, J. Proj. Tech. & Personality Assessment, 68. Address: Dept. of Psychology, University of Miami, Coral Gables, Fla. 33124.

WOHLWILL, PROF. JOACHIM F(RIEDRICH), b. Hamburg, Germany, Sept. 27, 28; nat. m. 53; c. 2. PSYCHOLOGY. B.A. Harvard, 49; Chicago, 52-53; Ph.D.(psychol), California, 57. Nat. Sci. Found. fel, Geneva, 57-58; asst. prof, PSYCHOL, CLARK, 58-62, assoc. prof, 62-67, PROF, 67-., DIR. GRAD. TRAINING PROG. DEVELOP. PSYCHOL, 58- Fel, Center Adv. Study Behav. Sci, Stanford, Calif, 63-64. U.S.A. 50-52. AAAS; Psychol. Asn. Perceptual learning; development of perception and thinking; scientific method in the study of behavioral development; environmental psychology; experimental aesthetics. Publ: Study of the development of the number concept by scalogram analysis, J. Genetic Psychol; Perceptual learning, Annual Rev. Psychol, 66; co-ed, Man's response to the physical environment, J. Soc. Issues, 66. Address: Dept. of Psychology, Clark University, Worcester, Mass. 01610.

WOJTYLA, COL. HENRY EDWARD, U.S.A.F.(RET), b. Lublin, Wis, Aug. 2, 18; m. 44; c. 2. INDUSTRIAL PSYCHOLOGY, EDUCATION. B.A. Sacramento State Col, 51; M.A. Baylor, 55; St. Louis, Colorado & South. Colo. State Col, 57-59; California, Los Angeles, 66. Dir. orgn. mgt, Acad. Instr. Sch, Mather Air Force Base, Calif, 46-50, squadron comdr, James Connally Air Force Base, Waco, Tex, 50-55, ops. officer, Air Task Force 13, Formosa, 55-56, exec. officer personnel admin, 135th Air Force, Philippines, 56-57, assoc. prof. air sci, Parks Col, St. Louis Univ, 57-59; prof, Washington (St. Louis), 59-61, assoc. prof. psychol. & mgt. & exec. officer, behav. sci. dept, U.S. AIR FORCE ACAD, COLO, 61-63, PROF. PSYCHOL. & MGT. & HEAD PSYCHOL. DEPT, 63- Consult, Nat. Boy Scouts, Philippines, 56-57; mem. adv. bd, Nat. Civil Air Patrol, 68- U.S.A.F. 41-68, Col. Psychol. Asn; Soc. Clin. & Exp. Hypnosis; Nat. Coun. Family Rels. Hypnosis as a motivating factor in learning; methodologies for learning skills and attitude changes; psychology in the working environment. Publ: In search of methodology, Air Force Instructors J, 64; Concept versus rote method of teaching, Revista Mexicana de Orientacion, 65; co-auth, Leadership manual 50-3, U.S. Air Force, 66. Address: Quarters 4112, U.S. Air Force Academy, Colo. 80840.

WOJTYLA, DR. HENRY LOUIS, b. Chicago, Ill, May 3, 30; m. 55; c. 2. ECONOMICS. U.S. Mil. Acad, 48-50; M.A. Chicago, 53, Ph.D.(econ), 63. Econ. analyst, Standard Oil Co, 54-56; economist, A&H Kroeger Orgn, 59-66; SR. ECONOMIST, CONTINENTAL OIL CO, 66- Lectr, Baruch Sch, City Col. New York, 64- Econ. Asn; Economet. Soc; Nat. Asn. Bus. Econ. Business cycles; economic models; managerial economics. Address: 197 Pascack Ave, Emerson, N.J. 07630.

WOKOUN, DR. F(RANK) WILLIAM, JR, b. Libertyville, Ill, June 5, 31; div; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A. DePauw, 52; Ph.D.(exp. psychol), Nebraska, 59. RES. PSYCHOLOGIST, U.S. ARMY ORD. HUMAN ENG. LABS, 57- Lectr, American Univ, 60-64. Chmn. bd. sci. adv, Muzak Div, Wrather Corp, 67- Human factors engineering; music and experimental esthetics; statistics and experimental design; learning theory. Publ: Relation of stimulus intensity to strength of sensory pre-conditioning in rats, Univ. Nebraska, 6/59; Vigilance with background music, 8/63 & Effects of music on work performance, 1/68, U.S. Army Human Eng. Labs. Address: Box 413, Aberdeen, Md. 21001.

WOLBERS, DR. H(ARRY) L(AWRENCE), b. Los Angeles, Calif, Jan. 29, 26; m. 47; c. 4. PSYCHOLOGY. B.S. Calif. Inst. Tech, 46; M.A. Southern California, 49, Ph.D.(psychol), 55. Res. assoc, Psychol. Res. Center, Calif, 48-50; proj. dir, Psychol. Servs, Inc, 50-54; chief, systs. res. sect, aircraft div, DOUGLAS AIRCRAFT CO, INC, 54-63, br. chief biotech, MISSILE & SPACE SYST. DIV, 63-65, chief engr, adv. manned spacecraft, 65-66, PROG. MGR, ADV. SPACE STA. SUBSYSTs, 66- Instr, Southern California, 49-54, adj. prof, 54- U.S.N., 43-47, Lt.(jg). Psychol. Asn; Human Factors Soc. Human factors in equipment design; perceptual and motor skills; systems engineering; technological forecasting; mathematical models of human behavior. Publ: Recent developments in bio-medical instrumentation, J. Am. Rocket Soc, 10/61; Measurement and simulation in the design of man-machine systems, Proc. Mil. Ops. Res. Symp, spring 62; Biotechnology in spacecraft design, Univ. Virginia Conf. Bioastronaut, 8/67. Address: 1041 Via Fortuna, Palos Verdes Estates, Calif. 90274.

WOLEK, DR. FRANCIS WILLIAM, b. Brooklyn, N.Y, Feb. 15, 35; m. 56; c. 4. BEHAVIORAL SCIENCE. Geol.E. Colo. Sch. Mines, 57; Tulsa, 57-60; M.B.A. Harvard, 62, D.B.A. 67. Geol. engr, Sinclair Res. Labs, 57-60; res.

assoc. commun. res. & develop, sch. bus, Harvard, 64-65; lectr. INDUST. WHARTON SCH. PENNSYLVANIA, 65-67, ASST. PROF, 67- Off. Sci. Info. Serv, Nat. Sci. Found. res. grant, 67. Inst. Mgt. Sci; Soc. Info. Sci. Acquisition of information in science and technology. Publ: Co-auth, Administering research and development, Irwin, 65 & Information, organization and technology, Harvard Bus. Sch, 68. Address: Dept. of Industry, Wharton School, University of Pennsylvania, Philadelphia, Pa. 19104.

WOLF, DR. A(LFRED) A(BRAHAM), Elec. Eng, Appl. Math, see 11th ed, Phys. & Biol. Vols.

WOLF, ALFRED C(LARENCE), b. Philadelphia, Pa, Nov. 5, 11; m. 45; c. 4. PUBLIC ADMINISTRATION, SOCIAL DEVELOPMENT. A.B. Harvard, 35, M.P.A. 54. Economist, Works Proj. Admin, 38-41; head Naval Indust. Manpower Prog, 41-46; mem. staff, Off. War Mobilization and Reconversion & President's Sci. Res. Bd, 46-47; dir. prog. staff & exec. asst. to secy, U.S. Dept. Interior, 47-53; res. dir, Harvard-Pakistan Planning Proj, Harvard, 53-55; from asst. dir. overseas develop. prog. to prog. dir. Latin Am. & Caribbean, Ford Found, 55-61; from dir. soc. develop. div. to PROG. ADV. TO PRES, INTER-AM. DEVELOP. BANK, 61- Alternate mem. plant site bd, off. prod. mgt. & war manpower cmn, U.S. Navy, 41-46. Legion of Merit, U.S. Navy; distinguished serv. award, U.S. Dept. Interior. Address: 1057 Rocky Run Rd, McLean, Va. 22101.

WOLF, DR. CHARLES, JR, b. New York, N.Y, Aug. 1, 24; m. 47; c. 2. ECONOMICS. S.B. Harvard, 43, M.P.A. 48, Ph.D. 49. V.consul, U.S. For. Serv, U.S. Dept. State, 45-47, res. analyst, 49-50; chief prog. planning staff, Tech. Coop. Admin, 50-53; vis. prof, Cornell, 54; asst. prof. & res. assoc, California, 54-55; economist & sr. staff mem, RAND CORP, 55-67, HEAD ECON. DEPT, 67- Lectr, California, Los Angeles, 64- Consult, Ford Found, 53-55; Agency Int. Develop, 62-; econ. adv, President's Cmt. Mil. Aid, 59; Repub. Korea, 61; Asian Productivity Orgn, 64-; consult, UN Develop. Prog, 67- Mem, Southeast Asia Develop. Adv. Group, 66. U.S.A. 43-45. Econ. Asn; Polit. Sci. Asn; Economet. Soc; Asn. Asian Studies. Economic development; planning and economic systems; international trade. Publ: Foreign aid: theory and practice in southern Asia; co-auth, Capital formation and foreign investment in underdeveloped areas; auth, U.S. policy and the third world: problems and analysis, Little, 67. Address: Rand Corp, 1700 Main St, Santa Monica, Calif. 90406.

WOLF, DONALD, S.J. b. Torrance, Calif, June 6, 29. POLITICAL SCIENCE. A.B. Gonzaga, 54, M.A. 55; Ph.D.(polit. sci), Georgetown, 60; S.T.M. Santa Clara, 64. Instr. POLIT. SCI, Santa Clara, 55-56; Loyola (Calif), 65-66; RES. ASSOC, CAMBRIDGE CENTER SOC. STUDIES, 66- Am. Philos. Soc. res. grant, 67-68. Polit. Sci. Asn. Comparative study of American Catholic and Protestant writers on church-state relations; study of the development of normative political theory in American political writers; development of church-state theory from combined view of theology and political science. Publ: Co-auth, American society and politics, Allyn & Bacon, 64; co-auth, Current trends in theology, 65 & auth, Toward consensus: Catholic-Protestant interpretations on church and state, 68, Doubleday. Address: Cambridge Center for Social Studies, 42 Kirkland St, Cambridge, Mass. 02138.

WOLF, DR. ELEANOR PAPERNO, Sociol, see 10th ed, Soc. & Behav. Vols.

WOLF, PROF. ELIZABETH B(AKER), b. Cleveland, Ohio, Feb. 25, 17; m. 41; c. 4. PSYCHOLOGY. Ph.D.(psychol), Western Reserve, 46. Clin. psychologist, State Bur. Juvenile Res. Ohio, 43-45; personnel res. inst, Western Reserve, 46-47, Vet. Admin. Ment. Hyg. Clin, 46-60; from assoc. prof. to PROF. PSYCHOL, MARSHALL, 60- Psychol. Asn. Evaluation of therapy; projective techniques; personality development. Publ: Co-auth, Study in social distance, J. Abnorm. & Soc. Psychol. & Personality patterns in adolescence as portrayed by the Rorschach method, J. Gen. Psychol. Address: Dept. of Psychology, Marshall University, Huntington, W.Va. 25701.

WOLF, PROF. ERIC R(OBERT), b. Vienna, Austria, Feb. 1, 23; nat. m. 43; c. 2. SOCIAL ANTHROPOLOGY. B.A. Queens Col.(N.Y.), 46; fel, Puerto Rico, 48-49; Wenner-Gren fel, 50-51; Ph.D.(anthrop), Columbia, 51. Doherty Found. fel. ANTHROP, Mexico, 51-52; vis. asst. prof, Illinois, 52-54, res. assoc, 54-55; asst. prof, Virginia, 55-58; Yale, 58-59; assoc. prof, Chicago, 59-61; PROF, MICHIGAN, 61- Guggenheim fel, 60-61. U.S.A. 43-45, Sgt. Fel. Anthropol. Asn; Ethnol. Soc. Peasant societies and cultures; problems of national integration; Middle America; Eurasia. Publ: Sons of the shaking earth; Peasants, Prentice-Hall, 67; San José, In: People of Puerto Rico. Address: Dept. of Anthropology, University of Michigan, Ann Arbor, Mich. 48104.

WOLF, DR. FRANZ B(ENJAMIN), b. Stuttgart, Germany, June 15, 00; nat; m. 24; c. 3. ECONOMICS. Heidelberg; Dr. rer. pol.(econ), Freiburg, 22. Div. dir, Res. Inst. Am, Inc, N.Y. 43-50; dep. dir. off. econ. policy & dir. res. & statist, Off. Price Stabilization, 51-53; SR. ASSOC. & V.PRES, ROBERT R. NATHAN ASSOCS, 54- Econ. Asn; Acad. Polit. Sci. Applied economic analysis. Publ: Economy in war time, In: War in the twentieth century. Address: 5420 Connecticut Ave, Washington, D.C. 20015.

WOLF, DR. GERRIT, b. Evanston, Ill, Oct. 9, 41. SOCIAL PSYCHOLOGY. B.A. Hope Col, 63; Ph.D.(soc. psychol), Cornell, 67. Teaching asst. PSYCHOL, Hope Col, 62-63; Cornell, 64-67; ASST. PROF, YALE, 67- Psychol. Asn. Models of interpersonal behavior and communication. Publ: Construct validation of measures of three kinds of experiential fatigue, Perceptual & Motor Skills, 6/67. Address: 2 Hillhouse Ave, Yale University, New Haven, Conn. 06520.

WOLF, PROF. HAROLD ARTHUR, b. Lind, Wash, Feb. 10, 23; m. 61. ECONOMICS. B.A. Oregon, 51; M.A. Michigan, 52, fel, 54-55, Ph.D. 58. Instr, Lehigh, 55-57; asst. economist, Prudential Ins. Co, 57-58; asst. prof. econ. & finance, COLORADO, 58-60, assoc. prof, 60-64, PROF. FINANCE, 64- Vis. prof, Texas, 67-68. Consult, Colorado banks. U.S.N., 41-47. Econ. Asn; Finance Asn. Monetary theory; public finance; business cycles; economic growth. Publ: Co-auth, Personal finance, Allyn & Bacon, 64; auth, Monetary and fiscal policy, Merrill, 66; Pension funds, creator of labor

- obsolescence, Bus. Horizons. Address: School of Business, University of Colorado, Boulder, Colo. 80302.
- WOLF, PROF. IRVIN S(IMON), b. Wabash, Ind, Dec. 23, 14; m. 42; c. 2. PSYCHOLOGY. A.B., Manchester Col, 37; M.A., Indiana, 39, Ph.D., 48. Instr. PSYCHOL, Indiana, 46-47; asst. prof., Buffalo, 47-48; assoc. prof., North Carolina, 48-54, PROF. & CHMN. DEPT., DENISON, 54- Consult, Vet. Admin., 49-54, Ed., Psychol. Record, 59-; managing ed., Sr. Sci. Labs., 64- U.S.A., 42-46. Psychol. Asn. Psychological theory; therapy; language. Publ: Stimulus variables in aphasia: II. stimulus objects, J. Sci. Lab; co-auth., Social influence: self-confidence and prestige determinants, Psychol. Record; Distance and conformity in continuous social influence interactions, J. Soc. Psychol. Address: Mt. Parnassus, Granville, Ohio 43023.
- WOLF, PROF. J(ACK) S(TANLEY), b. Mankato, Minn, July 22, 25; m. 53; c. 1. MARKETING. B.A., Coe Col, 49; M.B.A., Pennsylvania, 50; Ph.D., Iowa, 57. Sales promotion dir., Ross Coles & Co, 50; buyer, Newman Mercantile Co, 50-53; asst. Iowa, 53-54; asst. prof. MKT., Univ. Kansas City, 54-57; Washington (St. Louis), 57-60; assoc. prof., St. Louis, 60-65; from assoc. prof. to PROF. & CHMN. DEPT., MASSACHUSETTS, AMHERST, 65- U.S.A.A.F., 44-45, Capt. Mkt. Asn. Sales administration; marketing research and management. Publ: Study of practices affecting the use of major vegetable oils for refining and processing; Quantitative technique of space planning in department stores, J. Retailing; co-auth., Academic research and the data drought dilemma, J. Mkt. Res., 5/66. Address: Dept. of Marketing, University of Massachusetts, Amherst, Mass. 01002.
- WOLF, DR. LAURENCE G(RAMBOW), b. New York, N.Y., Sept. 4, 21; m. 52; c. 3. GEOGRAPHY. B.S., City Col. New York, 43; M.A., Columbia, 47; fel., Indiana, 48-49; Ph.D. (geog.), Syracuse, 65. INSTR. citizenship, Syracuse, 50-52; GEOG. CINCINNATI, 52- U.S.A., 43-46. Asn. Am. Geog. Am. Geog. Soc. Cultural and urban geography; population; cartographic design. Address: 564 Evanswood Place, Cincinnati, Ohio 45220.
- WOLF, DR. MONTROSE MADISON, b. Houston, Tex., May 29, 35; m. 59; c. 1. PSYCHOLOGY. B.S., Houston, 59; M.A., Arizona State, 61, Ph.D. (psychol), 63. Res. asst. prof. psychol., Washington, 62-64; asst. prof., Arizona, 64-65; HUMAN DEVELOP., KANSAS, 65-67, ASSOC. PROF., 67- AAAS; Psychol. Asn. Analysis and modification of deviant child behavior. Address: Bureau of Child Research, University of Kansas, Lawrence, Kans. 66044.
- WOLF, PROF. MORRIS PHILIP, Eng., Speech, see 5th ed., Dir. Am. Scholars, Vol. II, Eng., Speech & Drama.
- WOLF, DR. T. PHILLIP, b. Norton Co, Kans., Sept. 27, 33; m. 53; c. 2. POLITICAL SCIENCE. B.A., Wichita, 59, M.A., Stanford, 61, Ph.D. (polit. sci.), 67. ASST. PROF. POLIT. SCI., NEW MEXICO, 63- U.S.M.C., 51-54, Sgt. Polit. Sci. Asn; Soc. Pub. Admin. Public opinion, political parties and elections in general, especially United States and British politics; research methods. Publ: Party loyalty among party workers, Rocky Mt. Soc. Sci. J., 10/65; The 1966 elections in New Mexico, West. Polit. Quart., 6/67; co-auth., Albuquerque: end of a reform era, In: Urban politics in the southwest, Arizona State Univ., 67. Address: Dept. of Political Science, University of New Mexico, Albuquerque, N.Mex. 87106.
- WOLF, PROF. WILLIAM B., b. Chicago, Ill., June 9, 20; m. 51; c. 3. BUSINESS ADMINISTRATION & MANAGEMENT. A.B., California, 42; M.B.A., Northwestern, 45; Carnegie Found. fel., 49; Ph.D., Chicago, 54. Asst. prof. prod., Washington (Seattle), 54-58; PROF. MGT., SOUTHERN CALIFORNIA, 58- Econ. Asn; Arbit. Asn; Adult Ed. Asn; Soc. Appl. Anthropol. Acad. Mgt; Indust. Rels. Asn. Management; comparative management; personnel; industrial relations. Publ: Management of personnel; Wage incentives as a managerial tool, Columbia Univ. Press, 57; ed., Management: readings toward a general theory, Wadsworth, 64. Address: 435 Hilledge Dr., Laguna Beach, Calif. 92651.
- WOLF, DR. WILLIAM CHARLES, JR., b. Allentown, Pa., May 29, 33; m. 63; c. 1. EDUCATIONAL RESEARCH. B.S., Kutztown State Col, 55; M.Ed., Ohio, 56; Ph.D. (ed.), Iowa, 59. From asst. prof. to assoc. prof., ed., Ohio State, 59-64; res. coordinator, coop. res. prog., U.S. Off. Ed., 64-65; COORDINATOR ED. RES., UNIV. MASSACHUSETTS, AMHERST, 65- Prin. investr. & res. grants, Kettering Found., 65-; U.S. Off. Ed., 65-; summer assoc. prof., Harvard, 63. Consult., New Eng. team, center study instr., Nat. Ed. Asn., 65-; bur. res., U.S. Off. Ed., 65- Dir. res. ops., inst. develop. ed. activities, Charles F. Kettering Found., 65- AAAS; Ed. Res. Asn; Nat. Soc. Study Ed. Curriculum and instruction matters; research training strategies; knowledge diffusion and utilization. Publ: Co-auth., Building your language power, Silver, 65. The elementary school: a perspective, Rand, 66 & article In: Teaching in America: selected readings, C.E. Merrill, 62. Address: School of Education, University of Massachusetts, Amherst, Mass. 01003.
- WOLFANGER, PROF. LOUIS A(LBERT), b. Lincoln, Nebr., Jan. 3, 96; m. 25; c. 2. GEOGRAPHY. A.B., Nebraska, 18, A.M., 22; Chicago, 25; Ph.D. (econ. geog.), Columbia, 30. Instr. geog., Nebraska, 21-22; econ. geog., Columbia, 22-37; prof. SOIL GEOG. & LAND USE, MICH. STATE, 37-66, EMER. PROF., 66- Soil scientist, Bur. Soils, U.S. Dept. Agr., 18-27. Consult., State Dept. Econ. Develop., Mich. Asn. Am. Geog.; Asn. Soil Surv. Workers; Soil Sci. Soc. Land use planning; rural zoning; conservation and resource utilization. Publ: Rural zoning in a nutshell, Mich. State Univ., 63; co-auth., Conservation of natural resources, Wiley; auth., Major soil divisions of the United States, a pedologic-geologic survey. Address: 321 Kedzie Dr., East Lansing, Mich. 48823.
- WOLFBELN, DEAN SEYMOUR L(OUIS), b. New York, N.Y., Nov. 8, 15; m. 41; c. 2. ECONOMICS. B.A., Brooklyn Col, 36; scholar, Columbia, 36-37, M.A., 37; Ph.D. (econ), 42. Prof. lectr. statist., eve. sch., American Univ., 46-66; dept. asst., Secy. Labor, 59-62, dir. off. manpower, automation & training, U.S. Dept. Labor, 62-65, econ. adv. to secy., 65-66; DEAN, SCH. BUS. ADMIN., TEMPLE, 67- Award, U.S. Dept. Labor, 55. U.S.A., 44-45. Fel. AAAS; fel. Statist. Asn; Pop. Asn; Personnel & Guid. Asn. Manpower studies; employment and unemployment statistics; guidance and counseling.
- Publ: Employment and unemployment in the U.S., Sci. Res. Assoc., 63; Employment, unemployment and public policy, Random, 65; Education and training and full employment, Columbia Univ. Press, 67. Address: School of Business Administration, Temple University, Philadelphia, Pa. 19122.
- WOLFE, PROF. ALVIN WILLIAM, b. Schuyler, Nebr., Mar. 1, 28; m. 52; c. 3. ANTHROPOLOGY. A.B., Nebraska, 50; Louvian, 53-54; Logan Mus. fel., Beloit Col, 54-55; Ph.D., Northwestern, 57. Instr. anthropol., Middlebury Col, 55-57; asst. prof., Lafayette Col, 57-61; anthropol. & sociol., Washington (St. Louis), 61-68; PROF. ANTHROP., WISCONSIN, MILWAUKEE, 68- Consult, cmt. int. anthropol., Nat. Acad. Sci-Nat. Res. Coun., 57-58. U.S.A., 45-47. Anthropol. Asn; Sociol. Asn; African Studies Asn; Int. African Inst. Comparative studies in urban anthropology; social and cultural continuity and change in Africa. Publ: Field guide to West and Central Africa; In the Ngonbe tradition, continuity and change in the Congo; Social structural bases of art, Current Anthropol., 68. Address: Dept. of Anthropology, University of Wisconsin, Milwaukee, Wis. 53211.
- WOLFE, CEDRIC, b. Utica, N.Y., Nov. 15, 06; m. 37; c. 1. ECONOMICS. B.S., Vermont, 28. Sr. res. assoc. labor econ., bus. res. bur., METROP. LIFE INS. CO., 29-62, sr. res. economist, BUS. ECON. DEPT., 62-63, supv. res. economist, 63-64, MGR. BUS. ECON., 65- Chmn., panel census statist. labor force, intensive rev. cmt., U.S. Secy. Commerce, 53-54; mem. bus. res. adv. coun., U.S. Bur. Labor Statist., 62-; chmn. cmt. manpower & employment, 52-58, 66-; mem. cmt. consumer & wholesale prices, 62- U.S.A.F., 42-46, Maj. Econ. Asn; Statist. Asn; Indust. Rel. Res. Asn; Asn. Bus. Econ. Labor force, employment and unemployment; productivity wages and prices; fringe benefits; personnel conditions and labor markets; collective bargaining. Publ: Co-auth., Guaranteed employment and wage plans; auth., Statistics of labor turnover, Address: Business Economics Dept., Metropolitan Life Insurance Co, 1 Madison Ave., New York, N.Y. 10010.
- WOLFE, DR. DAVID L(OGAN), Soc., Psychol., see 10th ed., Soc. & Behav. Vols. Latest known address: 2064 Centella Place, Newport Beach, Calif. 92660.
- WOLFE, DR. F(RENCH) E(UGENE), b. Decatur, Tenn., June 11, 86; m. 12. ECONOMICS. A.B., Emory & Henry Col, 07; fel., Hopkins, 10-12, Ph.D. (polit. econ), 12. From asst. to assoc. prof. econ., Colby Col., 12-17; prof., Ohio Wesleyan, 17-19; Syracuse, 19-20; economist, indust. rels. dept., United Typothetae of Am., 20-21; prof. econ., Nebraska, 21-24; assoc. prof., Illinois, 24-28; economist, econ. res. dept., Procter & Gamble Co., 28-53; lectr. econ. & bus. mgt., Cincinnati, 53-66; ECONOMIST, ECON. RES. DEPT., PROCTER & GAMBLE CO., 66- Vis. prof., Kentucky, 52-53. Am. Econ. Asn; Statist. Asn; Royal Econ. Soc. Price forecasting; labor relations; economic trends. Publ: Admission to American trade unions; Principles of property insurance. Address: Economic Research Dept., Procter & Gamble Co., 3419 Manor Hill Dr., Cincinnati, Ohio 45220.
- WOLFE, PROF. GEORGE V(ICTOR), b. U.S., Sept. 24, 04; m. 28. POLITICAL SCIENCE. Ph.D., Vienna, 28, J.D., 30. Instr. POLIT. SCI., Albertus Magnus Col., 43-46; PROF., COL. OF IDAHO, 46- Summer vis. prof., Colo. State Col., 45. Polit. Sci. Asn; Soc. Int. Law. Address: Dept. of Political Science, College of Idaho, Caldwell, Idaho 83605.
- WOLFE, PROF. HARRY DEANE, b. Mass., Oct. 15, 01; m. 27; c. 1. ECONOMICS. LAW. B.S., Dartmouth Col., 24; M.A., Wisconsin, 36; Ph.D. (econ. law), 38. Assoc. prof. & dir. bur. bus. res., Kent State, 38-41; economist, War Prod. Bd., 41-43; dir. mkt. res., Colgate Palmolive Co., 43-57; PROF. MKT. & JOURNALISM, WISCONSIN, 58- Lectr., Columbia, 43-45. Econ. Asn; Statist. Asn; Mkt. Asn. Advertising management; forecasting. Publ: Co-auth., Measuring advertising results, 62 & Evaluating media, 66, Nat. Ind. Conf. Bd.; auth., Business forecasting methods, Holt, 66. Address: 401 New Castle Way, Madison, Wis. 53704.
- WOLFE, DR. JAMES H., b. Newport News, Va., Oct. 3, 34; m. 65. POLITICAL SCIENCE. B.A., Harvard, 55; M.A., Connecticut, 58; Ph.D. (govt.), Maryland, 62. ASST. PROF. int. studies, South Carolina, 62-65; GOVT. & POLIT., MARYLAND, 65- Alexander von Humboldt Found. res. grant, 64-65. U.S. Dept. State fel., summer, 67. U.S.A., 55-57, Lt. Polit. Sci. Asn. Comparative politics, especially Western and Central Europe. Publ: Indivisible Germany: illusion or reality?, Nijhoff, The Hague, 63. Address: Dept. of Government, University of Maryland, College Park, Md. 20742.
- WOLFE, PROF. J(AMES) N(ATHAN), b. Montreal, Que., Sept. 16, 27; m. 54; c. 2. ECONOMICS. B.A., McGill, 48, M.A., 49; Glasgow, 49-50; B.Litt., Oxford, 52. Lectr. polit. econ., Toronto, 52-59; vis. prof., ECON., Purdue, 59-60; California, Berkeley, 60-61, PROF., Santa Barbara, 61-64; EDINBURGH, 64- Vis. assoc. prof., Rochester, 57-58; Brookings res. prof., 63-64. Consult. to Secy. State, Scotland, 65-; Dept. Econ. Affairs, 65- Am. Econ. Asn; Economet. Soc; Royal Econ. Soc. Industrial organization; economics of science and information. Address: Dept. of Economics, William Robertson Bldg., University of Edinburgh, George Square, Edinburgh 8, Scotland.
- WOLFE, PROF. JOHN B(ASCOM), b. Dryden, Va., July 8, 04; m. 33; c. 2. PSYCHOLOGY. B.A., Emory & Henry Col, 25; M.A., Virginia, 28; Ph.D. (psychol), Illinois, 32. Instr. math., Union Col. (Ky.), 25-28; asst. psychol., Illinois, 30-32; Nat. Res. Coun. fel., Yale, 32-34, Gen. Ed. Bd. fel., 34-36; PROF. & CHMN. DEPT. PSYCHOL., MISSISSIPPI, 36- AAAS; fel. Psychol. Asn. Animal learning and motivation. Address: Dept. of Psychology, University of Mississippi, University, Miss. 38677.
- WOLFE, DR. LILLIAN S(CHUCK), b. Oklahoma City, Okla., Aug. 24, 10; m. c. 2. PSYCHOLOGY. A.B., Stanford, 32, M.A., 33; Ph.D. (psychol.), Yale, 35. Asst. clin. psychol., Yale, 33-35; PSYCHOLOGIST, Ment. Hyg. Clin., Stamford, Waterbury & Bridgeport, Conn., 35-36; STATE DIV., CHILD WELFARE, MISS., 39-; PROF. PSYCHOL., MISSISSIPPI, 62-; acting assoc. prof., 45-49. Dipl. Am. Bd. Exam. Prinl. Psychol. Fel. Psychol. Asn. Reading disabilities; clinical psychology; mental retardation. Address: Dept. of Psychology, University of Mississippi, University, Miss. 38677.
- WOLFE, PROF. M(ANSELL) WAYNE, b. Monessen, Pa., Aug. 5, 18; m. 43; c. 4. JOURNALISM. A.B., DePauw, 49; M.A., Indiana, 50, Ph.D., 62. Prof.

- JOURNALISM, Wis. State Col, 50-53; instr, Indiana, 53-55; assoc. prof, WIS. STATE, RIVER FALLS, 55-63, PROF, 63- U.S.A.A.F, 42-45, Lt. Asn. Ed. in Journalism; Nat. Ed. Asn; Am. Alumni Coun. Latin American communications media; United States Journalism. Publ: Transl, Another springtime, Samuel French, Inc, 60; auth, Images of the United States in the Hispanic American press, Univ. Microfilms, 63. Address: 108 Park St, River Falls, Wis. 54022.
- WOLFE, DR. MARTIN, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WOLFE, DR. RANALD M(ILTON), b. Anderson, Ind, Jan. 11, 07; m. 34; c. 5. PSYCHOLOGY. A.B. Ind. Cent. Col, 29; Indiana, 34; Ph.D.(psychol), Ohio State, 48. Sr. case worker, Fed. Transient Serv. Bur, 34-35; state res. supvr, Nat. Youth Admin, Ind, 35-36; sr. psychologist, State Reformatory, Ind, 36-40; instr, Otterbein Col, 40-41; chief clin. psychol. serv, Vet. Admin. Hosp, 46-58; res. psychologist, Vet. Admin, 58-61; overseas res. consult. & participant training eval, Agency Int. Develop, China study, 61-62, Japan study, 62-64; CHIEF PSYCHOL. SERV, VET. ADMIN. HOSP, KNOXVILLE, IOWA, 64- Instr, Ohio, 51-53; lectr, Ohio State, 51-58; vis. prof, Cent. Col. (Iowa), 65-68. Dipl. Am. Bd. Exam. Prfnl. Psychol, 50. U.S.A., 42-46, Med. Serv.C. Res, 46-. Lt. Col. Fel. AAAS; Lt. Psychol. Asn. Personality theory; autokinetic research; functional hearing loss; international technical assistance training evaluation. Publ: Co-auth, Report of Veterans Administration cooperative study of functional hearing loss; auth, China study of participant training, 64 & co-auth, Japan study of participant training, 66, Govt. Document. Address: 405 S. Conrey St, Knoxville, Iowa 50138.
- WOLFE, PROF. ROY I(SRAEL), b. Poland, Nov. 10, 17; Can. citizen; m. 49; c. 4. GEOGRAPHY. B.A. McMaster, 40; M.A., Toronto, 47; Ont. Res. Coun. fcls, 48 & 49, Ph.D.(geog), 56. Teacher, high sch. Ont, 41-43; statistician, Dept. Hwy, Ont, 52-55, head planning studies, 55-63, res. geogr, 63-67; assoc. prof. GEOG, YORK (ONT), 67-68, PROF, 68- Vis. Lectr, Washington (Seattle), 60-61; Resources for the Future grant, 67. R.C.A.M.C, 43-45. Asn. Can. Geog; Int. Peace Res. Soc; World Soc. Eklistics. Recreation, transportation and urban planning. Publ: Transportation and politics, Van Nostrand, 63; Perspective on outdoor recreation, Geog. Rev, 64; co-auth, chap, In: Canada: a geographical interpretation, Methuen, 68. Address: Dept. of Geography, York University, Toronto 12, Ont, Can.
- WOLFE, PROF. WILLIAM G(ERALD), b. Clarksburg, W.Va, June 23, 17; m. 42; c. 1. EDUCATIONAL PSYCHOLOGY. B.A. West Virginia, 40; M.A., Iowa, 42, Ph.D., 47. Prof. ed, North Carolina, 47-49; ed. psychol, TEXAS, AUSTIN, 49-65, PROF. SPEC. ED. & CHMN. DEPT, 65-. chmn. dept. ed. psychol, 61-65. Mem. Coun. Except. Children, 54; adv. bd, spec. ed. div, Executone Inc, N.Y. 55-; Nat. Adv. Bd, United Cerebral Palsy, 50- Consult, South Regional Ed. Bd, 54. Psychol. Asn; Speech & Hearing Asn; Acad. Cerebral Palsy. Education of exceptional children; cerebral palsy; mental retardation and cleft palates. Publ: Survey of cerebral palsy in Texas; Education of the cerebral palsied in the South; X-ray study of certain movements involved in nasopharyngeal closure. Address: Dept. of Special Education, University of Texas, 209 Sutton Hall, Austin, Tex. 78712.
- WOLFENBERGER, DR. WOLF P, b. Mannheim, Germany, July 26, 34; U.S. citizen; m. 60; c. 3. PSYCHOLOGY. B.A. Siena Col, 55; M.A. St. Louis, 57; Ph.D.(psychol), George Peabody Col, 62. Lab. technician, Chapman Chem. Co, 51-55; summer staff psychologist, Muscatatuck State Sch, 58 & 59; chief psychologist & dir. human develop, Greene Valley Hosp & Sch, 60-62; dir. res. & training, Plymouth State Home & Training Sch, 63-64; from asst. prof. to ASSOC. PROF. PSYCHOL. & MENT. RETARDATION RES. SCIENTIST, NEBR. PSYCHIAT. INST, COL. MED, NEBRASKA, OMAHA, 64- Nat. Insts. Health res. fel. ment. retardation, Maudsley Hosp, London, Eng, 62-63. Consult, Follett Pub. Co, 67- Mem. Nebr. Gov. Cmt. Ment. Retardation, 64-65. AAAS; Asn. Ment. Deficiency; Psychol. Asn; Coun. Except. Children; Nat. Rehab. Asn. Human management services, especially as regards the families of the mentally retarded. Publ: Co-auth, Management of the families of the mentally retarded: a book of readings, Follett, (in press) & Stimulus intensity and duration effects on EEG and GSR responses of normals and retardates, Am. J. Ment. Deficiency, 65; auth, Ethical issues in research with human subjects, Science, 67. Address: 602 S. 44th Ave, Omaha, Nebr. 68105.
- WOLFENSTEIN, DR. MARTHA, Psychol, see 10th ed, Soc. & Behav. Vols.
- WOLFERS, DR. ARNOLD, Int. Rels, see 10th ed, Soc. & Behav. Vols, deceased 68.
- WOLFF, PROF. ALBERT ELI, Biostatist, Epidemiol, see 11th ed, Phys. & Biol. Vols.
- WOLFF, DR. B. BERTHOLD, b. Berlin, Germany, Apr. 9, 26; m. 59; c. 2. PSYCHOLOGY. B.Sc. Edinburgh, 50, hons, 51, Ph.D.(psychol), 63; dipl, London, 52; A.M. Columbia, 60. Asst. psychol, dept. clin. res, Crichton Royal Hosp, Dumfries, Scotland, 51; psychologist-in-charge, Hellingly Hosp. & County E.Sussex Ment. Health Serv, Eng, 53-55; staff psychologist, neurol. inst, Columbia-Presby. Med. Center, N.Y. 55-59; asst. MED. SCH. MED. N.Y. UNIV, 60-61, assoc. 61-65, RES. ASST. PROF. CLIN. PSYCHOL, 65-; RES. ASSOC, VET. ADMIN. HOSP, MANHATTAN, 61- Head, New York Pain Group, 62-; clin. psychologist in psychiat, Univ. Hosp, New York, 63-; proj. dir, several nat. insts. health & voc. rehab. admin. grants, 63- Consult. psychologist, Arthritis Midway House, Goldwater Mem. Hosp, New York, 64- AAAS; Rheumatism Asn; N.Y. Acad. Sci; Am. Psychol. Asn; Brit. Psychol. Soc. Behavioral mechanisms of human pain, including neurophysiological, psychological, social and cultural factors; analgesic assays in man; rehabilitation of the physically disabled; psychophysiology; psychopharmacology; behavior therapy. Publ: Relationship between superficial and deep somatic thresholds of pain, Am. J. Psychol, 64; Quantitative measures of deep somatic pain, Clin. Sci, 65; Response of experimental pain to analgesic drugs, Clin. Pharmacol. & Therapeut, 66. Address: Dept. of Medicine, New York University Medical Center, 550 First Ave, New York, N.Y. 10016.
- WOLFF, PROF. J(ULIUS) F(REDERIC), JR, b. Duluth, Minn, Mar. 1, 18. POLITICAL SCIENCE. B.A. Notre Dame, 40; M.A., Minnesota, 47, Ph.D., 49; U.S. Army Command & Gen. Staff Col, 61. Asst. prof. POLIT. SCI, MINNE-SOTA, DULUTH, 49-55, assoc. prof, 55-61, PROF, 61- Chmn, St. Louis County Forestry Bd, 54-61; mem, superior nat. forest adv. cmn, Dept. Agr. 67; nat. endowment bd, Izaak Walton League Am, 67. U.S.A., 42-46, Lt. Col. Polit. Sci. Asn. Public administration of natural resources; county and municipal government; American political theory. Publ: Co-auth, A pioneer Minnesota game warden, 60-62 & A forest ranger's diary, 62-68, Minn. Conserv. Vol; contrib, Inland Seas, 60- Address: Dept. of Political Science, University of Minnesota, Duluth, Minn. 55811.
- WOLFF, PROF. KURT H(EINRICH), b. Darmstadt, Germany, May 20, 12; nat; m. 36; c. 1. SOCIOLOGY. Frankfurt, 30-31; 32-33; Munich, 31-32; laurea, Florence, 35. Teacher, Deutsche Schule am Mittelmeer, Recco, Italy, 34-36; Istituti Mare-Monte, Ruta & Pontedilegno, 36-38; asst. sociol, Southern Methodist, 39-43; Soc. Sci. Res. Coun. res. fel, Chicago, 43-44; asst. prof. SOCIOLOG, Earlham Col, 44-45; Ohio State, 45-52, assoc. prof, 52-59; PROF, BRANDEIS, 59-, chmn. dept, 59-62. Viking Fund grant, 47 & 49; U.S. Dept. State specialist, Inst. Soc. Res, Frankfurt, 52 & 53; Fund. Adv. Ed. faculty fel, Harvard, 55-56; summer res. assoc, Inst. Soc. Res, Oslo, 59; Fulbright sr. lectr, Rome, 63-64; vis. summer prof, Col. of Pacific, 48; New Sch. Soc. Res, 50; Sir George Williams, 65; Freiburg, 66; Soc. Sci. Res. Coun. faculty grant, 66-67; vis. prof, Frankfurt, 66-67; Paris, 67; chmn, Int. Sociol. Asn. Res. Cmt. Sociol. Knowledge, 66- Sociol. Asn. Social theory; sociology of knowledge; philosophy of sociology. Publ: Ed, Sociology of Georg Simmel; Emile Durkheim, 1858-1917; Karl Mannheim, Wissenssoziologie. Address: Brandeis University, 204 Pearlman, Waltham, Mass. 02154.
- WOLFF, DR. MAX, b. Metz, France, Mar. 14, 05; nat; m. 41; c. 2. SOCIOLOGY, LAW. Referendarius, Cologne, 28, Ph.D. 29; Assessorium, Berlin, 33. Asst. prof. soc. sci, Youngstown Col, 39-43; mod. & soc. hist, Missouri, 43-49; res. assoc. & community consult, inst. adult ed, Columbia, 50-54; assoc. prof. & community consult, center community serv, sch. ed, N.Y. Univ, 54-65; SR. RES. SOCIOLOGIST, CENTER URBAN ED, 65- Grant, Columbia, 52; Necchi Found. res. grant, 53-54; Rabinowitz Found. res. grant, 61. Dir. study center in community participation, New Sch. Soc. Res, 54-65. Consult, cmt. community inter-rels, City of New York, 45-50; Commonwealth of Puerto Rico, 58-; urban studies center, Rutgers, 61- Mem. bd. ed, Wash, D.C; Albuquerque, N.Mex; Spring Valley, N.Y. Ed, J. Indust. Sociol, 50-55. Sociol. Asn; Soc. Study Social Probs. Community development; international relations; head start program; achievement in academic high schools in New York. Publ: The educational park, Integrated Ed, 2/67; Is the bridge completed, Childhood Ed, 9/67. Address: 179 Woodlawn Ave, New Rochelle, N.Y. 10807.
- WOLFF, PROF. PETER C(LAUS), b. Berlin, Germany, Nov. 6, 32; m. 54; c. 1. EXPERIMENTAL & PHYSIOLOGICAL PSYCHOLOGY. B.A. Colorado, 55; M.A., Iowa, 57; Ph.D., Houston, 59. Asst. psychol, Iowa, 56-57; res. assoc, Houston, 57-59; res. scientist, human res. unit, George Washington, 59-62, assoc. prof. PSYCHOL, Ill. Wesleyan, 62-64; Utah State, 64-66; PROF, STATE UNIV. N.Y. COL. POTSDAM, 67- Co-ed, Psychologische Forschung, 67- Psychol. Asn; Psychonomic Soc, Animal Behav. Soc; N.Y. Acad. Sci. Brain stimulation and conditioning; vocal conditioning and animal behavior; experimental analysis of animal behavior. Publ: Brain stimulation and control of behavior, Psychol. Reports, 65; co-auth, Vocal conditioning in guinea pig, Psychonomic Sci, 67 & Concurrent schedules of reinforcement in guinea pig, Psychol. Record, 67. Address: State University of New York College at Potsdam, Potsdam, N.Y. 13676.
- WOLFF, PROF. REINHOLD P, b. Grunberg, Prussia, Jan. 31, 99. ECONOMIC. Ph.D., Freiburg, 20; Berlin. Mem. staff, Nat. Bur. Econ. Res, 37-38; Nat. Indust. Conf. Bd, 38; instr. mkt. N.Y. Univ, 38-39; from asst. prof. to prof. econ, Miami (Fla), 40-61, dir. bur. bus. & econ. res, 50-61; PRES. REINHOLD P. WOLFF ECON. RES. INC, 61. Soc. Sci. Res. Coun. grant in aid, 40. Ed, Miami Residential Res, 47-50. Econ. Asn. Housing; land economics; area analysis. Address: Reinhold P. Wolff Economic Research, Inc, 137 Madeira Ave, Coral Gables, Fla. 33134.
- WOLFF, PROF. ROBERT J(AN), b. Paramaribo, Suriname, S.Am, Feb. 2, 22; nat; m. 50; c. 4. SOCIAL PSYCHOLOGY. Drs. Amsterdam, 49; Ph.D.(soc. psychol), Michigan, 53. Asst. Res. Center Group Dynamics, 50-53; psychologist, Govt. Suriname, S.Am, 53-55; res. assoc, Illinois, 56-57; proj. psychologist, follow-up study, State Dept. Pub. Welfare, Minn, 57-61; assoc. clin. prof. soc. psychol. & res. soc. psychologist, Hooper Found, Med. Center, California, San Francisco, 61-64; ASSOC. PROF. PUB. HEALTH, SCH. PUB. HEALTH, HAWAII, 64- AAAS; Soc. Psychol. Study Soc. Issues; Acad. Polit. & Soc. Sci; Psychol. Asn. Social scientific aspects of culture change; formulation of theoretical statements in human ecology with relation to both the social and the biological sciences; socio-cultural factors of health and disease; population dynamics. Publ: Population description, Vox Guyanae; Modern medicine and traditional culture: confrontation on the Malay Peninsula, Human Orgn, winter 65; Meanings of food, Trop. & Geog. Med, 65. Address: University of Hawaii School of Public Health, 2540 Maile Way, Honolulu, Hawaii 96822.
- WOLFF, DR. WIRT M(COY), b. Dallas, Tex, July 16, 25; m. 59; c. 3. PSYCHOLOGY. B.S. Southern Methodist, 45, M.A., 49; U.S. Pub. Health Serv. fel, Stanford, 52, Ph.D.(psychol), 53. Automotive engr, Chrysler Corp, 45-46; lectr. eng, Southern Methodist, 46-47; personnel engr, Nat. Geophys. Co, 47-48; counsr, Stanford, 49-50, summers 51, 53; res. psychologist, Vet. Admin, Topeka, Kans, 53-54, chief psychologist, Vet. Admin, Palo Alto, Calif, 54-56; assoc. prof. PSYCHOL, San Francisco State Col, 56-62; ASSOC. PROF, SOUTHWEST MED. SCH, TEXAS, 65- Vis. prof, Southern Methodist, 61, adj. prof, 67-; vis. prof, California, 62. Psychol. consult, Dallas State Adult Ment. Health Clin, Tex, 62; private practice, 55- Dipl. Am. Bd. Exam. Prfnl. Psychol, 60. Psychol. Asn; Personnel & Guid. Asn. Psychotherapy; clinical prediction; child research; personality theory and measurement. Publ: Certainty: its generality and relations with anxiety J. Abnorm. & Soc. Psychol; Private practice and psychological research, Bull. Psychologists Interested in Adv. Psychother, 66; Psychotherapeutic persistence, J. Consult. Psychol, 67. Address: 6044 Alpha Rd, Dallas, Tex. 75240.

- WOLFGANG, DR. AARON, b. Chelsea, Mass, June 23, 33; m. 59; c. 4. EXPERIMENTAL PSYCHOLOGY. B.A. Suffolk, 59; M.S. Wisconsin, 61; Ph.D. (psychol), Oklahoma, 65. Res. assoc. psychol. Vet. Admin. Hosp. Oklahoma City, 65-67; CHIEF BEHAV. SCI. LAB. RADIOL. DEPT. WALTER REED GEN. HOSP. 67-. RES. PSYCHOLOGIST, WALTER REED ARMY INST. RES. 67-. Res. assoc. med. center, Oklahoma, 65-66, instr. 66-67; prin. investr. Defense Atomic Support Agency res. grant, 68-69. Publishers prize, Southwest. Psychol. Asn. 66. U.S.A. 54-56. AAAS; Psychol. Asn; Psychonomic Soc. Concept identification, social interaction; radiation effects, conditioning verbal behavior. Publ: Conditioning of group decisions as a function of need for social approval, J. Clin. Psychol. 64; Exploration of upper limits of task complexity of males and females in individual and social conditions, Psychonomic Sci. 67; Effects of social cues and task complexity in concept identification, J. Ed. Psychol. 67. Address: Radiology Dept, Box 651, Walter Reed General Hospital, Washington, D.C. 20012.
- WOLFGANG, DR. ANN KRCHMA, b. Terre Haute, Ind, Nov. 28, 29; m. 55; c. 3. PSYCHOLOGY. B.A. Delaware, 51; M.S. Pa. State, 53, Ph.D. (psychol), 66. Statist. aide psychol. res. to Dr. Joseph Jastak, Univ. Delaware, 52-53; clin. psychol. trainee, Vet. Admin. Hosp. Perry Point, Md, 55-56; asst. prof. PSYCHOL. STATE UNIV. N.Y. COL. ONEONTA, 66-67, ASSOC. PROF. 67- Psychol. Asn. Psycholinguistics; first language acquisition; developmental psychology; transformational grammar. Address: Dept. of Psychology, State University of New York College at Oneonta, Oneonta, N.Y. 13820.
- WOLFGANG, PROF. MARVIN E (UGENE), b. Millersburg, Pa, Nov. 14, 24; m. 57; c. 1. SOCIOLOGY. A.B. Dickinson Col, 48; M.A. Pennsylvania, 50, Ph.D. 55. Asst. prof. & chmn. dept. sociol. & polit. sci., Lebanon Valley Col, 51-52, instr. SOCIOL. PENNSYLVANIA, 52-56, asst. prof. 56-58, assoc. prof. 58-63, PROF. 63-. Consult. soc. sci. res. center, Puerto Rico, 60-. President's Cmn. Law Enforcement & Admin. Justice, 65-67. Mem. President's Cmn. Obscenity & Pornography & mem. adv. cmt. President's Cmn. Reform Fed. Criminal Code, 68. U.S.A. 43-46. Sociol. Asn; Soc. Criminol.; Acad. Polit. & Soc. Sci.; Int. Soc. Criminol. Criminology; penology; sociological theory. Publ: Patterns in criminal homicide; The sociology of crime and delinquency; co-auth. The measurement of delinquency, Wiley, 64. Address: Dept. of Sociology, University of Pennsylvania, Philadelphia, Pa. 19104.
- WOLFGARTH, DR. ARTHUR ERWIN, b. Chicago, Ill, Mar. 27, 29; m. 50; c. 3. EDUCATIONAL PSYCHOLOGY. B.S. Northwestern, 51; B.D. Chicago, 57; M.A. Omaha, 61; Ph.D. (ed. psychol), Nebraska, 65. Instr. psychol. Omaha, 60-65; ASSOC. PROF. & CHMN. DEPT. W.Va. Wesleyan Col, 65-67; ED. PSYCHOL. & GUID. SLIPPERY ROCK STATE COL, 67-. Part-time instr. Nebraska, 64-65; staff psychologist, Weston State Hosp. W.Va. 66-67; psychologist, Mercer County Children's Home, Pa, 67-. Minister, Congregational Church, 53-65. Psychol. Asn. Personality development; effects of emotional deprivation in infancy and childhood; learning and memory; self-concept and achievement. Address: Dept. of Psychology, Slippery Rock State College, Slippery Rock, Pa. 16057.
- WOLFINGER, DR. RAYMOND E (DWIN), b. San Francisco, Calif. June 29, 31; m. 60; c. 1. POLITICAL SCIENCE. A.B. California, Berkeley, 51; M.A., Illinois, 55; Falk fel, Yale, 55-57, Ph.D. (polit. sci.), 61. Am. Polit. Sci. Asn. congressional fel, 59-60; fel. Center Adv. Study Behav. Sci. 60-61; vis. asst. prof. POLIT. SCI. STANFORD, 61-62, asst. prof. 62-66, ASSOC. PROF. 66-. Soc. Sci. Res. Coun. res. grant, 64; Edgar Stern Family Fund res. grant, 64-65; Guggenheim fel, 65; participant, Am. Polit. Sci. Asn. Study Cong, 66-67; res. fel. Charles Warren Center Studies Am. Hist, Harvard, 66-67. U.S.A. 51-53, Res. 54-65, Capt. Polit. Sci. Asn. Conflict and policy formation in American national and local politics. Publ: Ed. Readings in American political behavior, Prentice-Hall, 66; auth. The politics of progress, Yale, 69; The development and persistence of ethnic voting, Am. Polit. Sci. Rev. 65. Address: Dept. of Political Science, Stanford University, Stanford, Calif. 94305.
- WOLFLE, DR. DAEL, b. Puyallup, Wash, Mar. 5, 06; m. 29; c. 3. PSYCHOLOGY. B.S. Washington (Seattle), 27, M.A. 28; Chicago, 29, 30; Ph.D. (psychol), Ohio State, 31; hon. D.Sc. Drexel Inst, 56, Ohio State, 57, Western Mich. 60. Asst. psychol. Ohio State, 28-30, instr. 30-32; prof. Mississippi, 32-36; exam. bd. exam. Chicago, 36-39, asst. prof. psychol. 38-43, assoc. prof. 43; tech. aide appl. psychol. panel, Nat. Defense Res. Cmt. & Off. Sci. Res. & Develop. 44-46; exec. secy. Am. Psychol. Asn. 46-50; dir. Cmn. Human Resources & Adv. Training, 50-54; EXEC. OFFICER, AM. ASN. ADV. SCI. 54-Civilian training adminstr. Sig. Corps, U.S. Army, 41-43. Consult. U.S. Dept. Defense; U.S. Pub. Health Serv.; Nat. Sci. Found. Trustee, Russell Sage Found. 60-. mem. Cmn. Grad. Med. Ed. 63-66; Nat. Adv. Health Coun. 65-66. AAAS; fel. Psychol. Asn; Psychomet. Soc. Scientific and specialized manpower and education. Publ: America's resources of specialized talent; Science and public policy; ed. Symposium on basic research. Address: American Association for the Advancement of Science, 1515 Massachusetts Ave. N.W., Washington, D.C. 20005.
- WOLFORD, DR. JACK A (RLINGTON), Psychiat, see 11th ed, Phys. & Biol. Vols.
- WOLFORD, PROF. OPAL (POWELL), Family Rels, see 10th ed, Soc. & Behav. Vols., deceased 61.
- WOLFOWITZ, PROF. JACOB, Math, see 11th ed, Phys. & Biol. Vols.
- WOLFSON, DR. MURRAY, b. New York, N.Y., Sept. 14, 27; m. 51; c. 3. ECONOMICS. B.S. City Col. New York, 48; M.S. Wisconsin, 51, Ph.D. (econ), 64; Marquette, 58-59. Teacher, high sch, 59-61; instr. ECON. Thornton Jr. Col. 61-63; ASSOC. PROF. OREGON STATE, 63-. Consult. methods input-output anal. U.S. Bur. Mines, Ore, 65-66. U.S.N. 45-46. Econ. Asn; Int. Peace Res. Asn. Mathematical economics; comparative economic systems; conflict systems. Publ: A reappraisal of Marxian economics, Columbia, 66; Films for economic education, Bd. Higher Ed. Ore, 66; A mathematical model of cold war, Proc. N.Am. Peace Res. Soc. 67. Address: Dept. of Economics, Oregon State University, Corvallis, Ore. 97331.
- WOLFSON, DR. ROBERT G, b. Brooklyn, N.Y., July 11, 26; m. 48; c. 1. INDUSTRIAL MANAGEMENT & DEVELOPMENT. B.S. N.Y. Univ. 50; M.A. Arizona State, 57, Ed.D. 60. Ed. dir. Shanghai Am. Sch. China, 48-49; from qual. control lead man to mgr. eng. semi-conductor devices, 49-58; partner, int. mgt. & indust. develop. co. 58-63; private enterprise adv. Agency Int. Develop. 63-64; sr. scientist, sr. consult. & exec. v.pres. to int. large scale ed. manpower develop. & training & tech. assistance progs, 64-68; PRES. INT. COORDINATES, INC, 68-. U.S.N.R. 44-46, Res. 46-. Lt. International manpower training, development and education. Address: 511 Fifth Ave, Suite 811, New York, N.Y. 10017.
- WOLFSON, PROF. ROBERT J (OSEPH), b. Buffalo, N.Y., Feb. 9, 25; m. 54; c. 3. ECONOMICS. B.S. Chicago, 47, Walgreen Found. scholar, 48-49, M.A. 50, Ph.D. (econ), 56. Instr. soc. sci. Chicago, 53-56; asst. prof. econ. Mich. State, 56-60; asst. prof. bus. admin. & dir. mgt. sci. res. proj. California, Los Angeles, 60-61; proj. dir. C-E-I-R, Inc, 61-63; economist, Rand Corp, 63-65; prin. scientist, Syst. Develop. Corp, 65-66; PROF. ECON. & ASSOC. DIR. ED. POLICY RES. CENTER, SYRACUSE, 66-. Ford Found. fel, 59-60; summers, lectr. Inst. Econ. Develop. Vanderbilt, 56; participant, Decision Processes Seminar, Santa Monica, Calif. 52; Interdisciplinary Behav. Sci. Conf. N.Mex. 58. Consult. Metrop. Region Study, New York, 57-58; U.S. Off. Ed. 67-. Asst. ed. Econ. Develop. & Cultural Change, 55-56. U.S.N. 43-46. AAAS; Econ. Asn; Economet. Soc. Econometrics; management science; computer simulation on economic processes. Publ: An econometric investigation of regional differentials in American agricultural wages, Econometrics; co-auth. The economic dynamics of Joseph Schumpeter, Econ. Develop. & Cultural Change; On a constructional framework for a theory of organizational decision-making, In: Decisions, values and groups, vol. II. Address: Dept. of Economics, Syracuse University, Syracuse, N.Y. 13210.
- WOLFSON, PROF. THERESA, Labor Econ, see 10th ed, Soc. & Behav. Vols.
- WOLIN, DR. BURTON R (EDER), Exp. Psychol, see 10th ed, Soc. & Behav. Vols.
- WOLIN, DR. LEE R (OY), Psychol, Neuropsychol, see 11th ed, Phys. & Biol. Vols.
- WOLIN, PROF. SHELDON S, b. Chicago, Ill, Aug. 4, 22; m. 44; c. 3. POLITICAL SCIENCE. B.A. Oberlin Col, 46; M.A. Harvard, 47, univ. fel, 48-49, Sheldon fel, 49, Ph.D. 50; Fulbright fel, Magdalen Col, Oxford, 49-50. Instr. POLIT. SCI. Northwestern, 50; asst. prof. Oberlin Col, 50-54; CALIFORNIA, BERKELEY, 54-58, assoc. prof. 58-61, PROF. 61-. Rockefeller fel, 54-55; lectr. U.S. Air Force War Col, 61; Jaszi Mem. lectr. Oberlin Col, 62. U.S.A.A.F. 42-45, 1st Lt. Polit. Sci. Asn. Political theory. Publ: Politics and vision. Address: Dept. of Political Science, University of California, Berkeley, Calif. 94720.
- WOLINS, PROF. LEROY, b. Youngstown, Ohio, Dec. 20, 27; m. 52; c. 3. PSYCHOLOGY, STATISTICS. B.A. Ohio State, 51, M.A. 53, Ph.D. 56. Res. assoc. psychol. tests, Sci. Res. Assoc. Ill, 55-56, asst. dir. test res. 56-57; asst. prof. STATIST. & PSYCHOL. IOWA STATE, 57-60, assoc. prof. 60-65, PROF. 65-. U.S.A. 46-47. Psychol. Asn; Psychomet. Soc; Statist. Asn. Psychological scaling; factor analysis; experimental design and statistical methods. Publ: The use of multiple regression procedures when the predictor variables are psychological tests, Ed. & Psychol. Measurement, 12/67. Address: Statistical Lab, Iowa State University, Ames, Iowa 50010.
- WOLINSKY, DR. GLORIA F (EINSTEIN), b. Brooklyn, N.Y., Feb. 3, 26; m. 48; c. 1. SPECIAL EDUCATION, PSYCHOLOGY. B.S. City Col. New York, 46; M.A. Hunter Col, 54; Ed.D. (spec. ed), Columbia, 58. Teacher, pub. schs. N.Y. 53-56; from instr. to ASSOC. PROF. SPEC. ED. HUNTER COL, 58-. DIR. REGIONAL SPEC. ED. INSTRUCTIONAL MAT. CENTER, 67-. Shuster faculty fells, 62 & 66. Co-chmn. cmt. prinl. standards, Coun. Except. Children, 64-66. Fel. AAAS; fel. Asn. Ment. Deficiency; Ed. Res. Asn. Application of learning theory and research in cognitive development to instruction of exceptional children and youth; evaluation of instructional practices in relationship to specific deficits and specialized intervention. Publ: Interdisciplinary action in special education, Except. Children, 11/61 & New Outlook for the Blind, 6/62; Piaget and the psychology of thought: some implications for teaching the retarded, Am. J. Ment. Deficiency, 9/62; Piaget's theory of perception: insights for educational practices with children who have perceptual difficulties, Training Sch. Bull. 5/65 & In: Educating children with learning difficulties, Appleton, 67. Address: 69-52 Grotton St, Forest Hills, N.Y. 11375.
- WOLK, DR. ROBERT L, b. Brooklyn, N.Y., Oct. 15, 26; m. 52; c. 2. CLINICAL PSYCHOLOGY, GERONTOLOGY. B.S. Long Island, 49; Ph.D. Yeshiva, 58. Psychologist, Bordenstown Reformatory, 54-58; instr. Brooklyn Col, 58-59; psychologist, New York Court of Spec. Sessions, 61-62; RES. PSYCHOLOGIST, OFF. CONSULT. ON AGING, N.Y. STATE DEPT. MENT. HYG. 62-. DIR. RES. L.I. CONSULT. CENTER, 66-. Sr. psychologist, New York Dept. Corrections, 56-58. Consult. drug proj. State Div. Parole, N.Y. 58-60. U.S.A.A.F. 43-46. Psychol. Asn. Group psychotherapy; psychoanalytical psychotherapy. Publ: Group psychotherapy with geriatric patients; Personality dynamics of mothers and wives of drug addicts; Psychological differentiation of antisocial offenders. Address: 230 Jay St, Brooklyn, N.Y. 11201.
- WOLKING, DR. WILLIAM D, b. Brooklyn, N.Y., June 3, 26; m. 51; c. 5. CLINICAL PSYCHOLOGY. B.A. Macalester Col, 50; M.A. Minnesota, 54, Ph.D. (psychol, child develop), 59. Res. asst. inst. child develop, Minnesota, 52-53, clin. psychol. Univ. Minnesota Hosps, 53-55, instr. 55-60, asst. prof. 60-62; med. center, Florida, 62-63, assoc. prof. clin. psychol. health center, 66-67; PRIN. INVEST. INST. BEHAV. RES. 67-. Instr. St. Olaf Col, 59-61. U.S. Merchant Marine, 44-45. Psychol. Asn; Soc. Res. Child Develop; Asn. Adv. Behav. Ther. Coun. Except. Children. Clinical child psychology; child learning; behavior modification. Publ: MMPI profiles of the parents of behaviorally disturbed children and parents from the general population, J. Clin. Psychol. 66; Multivariate analyses of parents' MMPI's based on the

- psychiatric diagnosis of their children, *J. Consult. Psychol.* 67. Address: Institute for Behavioral Research, 2426 Linden Lane, Silver Spring, Md. 20910.
- WOLKISER, DR. ARTHUR M (ARTIN)**, b. Berlin, Germany, Sept. 21, 02; nat. ECONOMICS. Columbia & N.Y. Univ. 26-31; Ph.D.(econ), Berlin, 25. Mem. faculty banking, Columbia, 31-38; dir. res. Affiliated Fund, New York, 37-42; CONSULT. ECONOMIST, LAIRD, BISSELL & MEEDS, 42- Lectr, Brooklyn Col. 46-47. With U.S. Strategic Bombing Surv, European Theater Oper., 45. Dir. Affiliated Fund & Assoc. Invest. Funds, 42-46. AAAS; Am. Econ. Assn; Am. Finance Assn; Royal Econ. Soc. Economic theory; stock-market forecasting; international economics. Publ: Risk capital shortage; On road of inflation; Economic basis of wealth and welfare of New York City, Address: Laird, Bissell & Meeds, 120 Broadway, New York, N.Y. 10005.
- WOLKON, DR. GEORGE H**, b. Boston, Mass, Oct. 26, 34; m. 58; c. 2. SOCIAL PSYCHOLOGY. A.B. Harvard, 56; M.A. Boston, 58, Ph.D.(soc. psychol), 63. Asst. prof. SOC. PSYCHOL, sch. appl. soc. sci. CASE WESTERN RESERVE, 64-68, ASSOC. PROF, 68- Res. dir. Ment. Health Rehab. & Res. Inc, 62- U.S.A. 57-67, Capt. Psychol. Assn; Sociol. Assn. Small groups; adult socialization; rehabilitation. Publ: Birth order and desire for and participation in psychiatric post-hospital services, *J. Consulting & Clin. Psychol.* 68; Structural interventions and the use of rehabilitation facilities by psychiatric patients, *Rehab. Lit.* 68; co-auth. Disease or deviance: effects on the treatment continuum, In: *Approaches to deviance*, Appleton, 68. Address: Dept. of Sociology, Case Western Reserve University, Cleveland, Ohio 44106.
- WOLL, PROF. PETER**, b. Philadelphia, Pa, Jan. 6, 33; m. 54; c. 2. POLITICAL SCIENCE. A.B. Haverford Col, 54; Ph.D. Cornell, 58. Instr. polit. sci. California, Los Angeles, 58-60, asst. prof, 60-64; ASSOC. PROF. POLIT, BRANDEIS, 64- U.S. Civil Serv. Cmn. lectr, 64 & 67; Soc. Sci. Res. Coun. res. grant, 65-66. Polit. Sci. Assn. American government; public administration and administrative law. Publ: Administrative law: the informal process, Univ. California, 63; American bureaucracy, Norton, 63; American government: readings and cases, Little, 2nd ed, 65. Address: Dept. of Politics, Brandeis University, Waltham, Mass. 02154.
- WOLLEN, DR. KEITH A (LFRED)**, b. Ashland, Nebr, Dec. 25, 33; m. 55; c. 3. PSYCHOLOGY. B.A. Iowa, 58, M.A. & Ph.D.(psychol), 61. Asst. prof. PSYCHOL, WASHINGTON STATE, 61-67, ASSOC. PROF, 67- U.S.A. 54-56. Psychol. Assn; Psychonomic Soc. Verbal learning; animal conditioning; experimental design. Publ: One-trial versus incremental paired-associate learning, 62 & R-S recall as a function of presence or absence of successive pair repetitions in S-R learning, 68, *J. Verbal Learning & Verbal Behav.*; Effects of maximizing availability and minimizing rehearsal upon associative symmetry in two modalities, *J. Exp. Psychol.* (in press). Address: Dept. of Psychology, Washington State University, Pullman, Wash. 99163.
- WOLLMAN, PROF. NATHANIEL**, b. Philadelphia, Pa, May 15, 15; m. 39; c. 2. ECONOMICS. A.B. Pa. State Col, 36; Ph.D. Princeton, 40. Instr. Colo. Col. 39-42, asst. prof, 42-48; assoc. prof. ECON, NEW MEXICO, 48-54, PROF, 54-, CHMN. DEPT, 60- Mem. staff, Resources for Future, Inc, 59-60, 64-65. Consult, U.S. Dept. Interior, 52-53. Sr. bus. economist, Off. Price Admin, 42-43. U.S.N. 43-46. Econ. Assn. Regional economics. Publ: Water supply and demand; Chilean water resources: an economic model, Hopkins Press, 68. Address: Dept. of Economics, University of New Mexico, Albuquerque, N.Mex. 87106.
- WOLMAN, DR. BENJAMIN BINEM**, b. Warsaw, Poland, Oct. 27, 08; nat; m. 33; c. 1. PSYCHOLOGY. M.A. Warsaw, 32, Ph.D. 35. Clin. psychologist & asst. dir. Centos Inst. Disturbed Children, Poland, 30-32; Chief psychologist & dir. Ment. Health Clin, Tel-Aviv, Israel, 35-42; dir. ed. serv. for servicemen, Tel-Aviv, 42-45; PROF. PSYCHOL, GRAD. DIV, LONG ISLAND, 65-; DEAN FACULTY, INST. APPL. PSYCHOANAL, 65- Private practice, 39-; clin. prof, Adelphi, 63- Fel. Psychol. Assn; fel. Sociol. Assn; fel. Assn. Adv. Psychother; Assn. Appl. Psychoanal. Publ: Contemporary theories and systems in psychology, 60; Vectorialis praecox or the group of schizophrenias, 66; The unconscious mind: the meaning of Freudian psychology, 68. Address: 7 W. 96th St, New York, N.Y. 10025.
- WOLOSOFF, SYLVIA**, Statist, Econ, see 10th ed, Soc. & Behav. Vols.
- WOLOWITZ, DR. HOWARD M**, b. New York, N.Y. Dec. 3, 31; m. 53; c. 2. CLINICAL & SOCIAL PSYCHOLOGY. B.A. City Col. New York, 54; M.A. Michigan, 56, univ. fel, 56-57, M.A. 59, Nat. Inst. Ment. Health fel, 59-61, Ph.D.(clin. psychol), 61. Res. asst. statist. eng. res. inst. Michigan, 54-56, sociol. inst. soc. rels, 55-56; psychol. trainee, Allen Park Vet. Admin. Hosp, 57-58; psychol. counsr, counseling bur. MICHIGAN, 58-59, intern psychol, psychol. clin, 59-61, instr, 61-63, ASST. PROF. PSYCHOL. & SR. PSYCHOLOGIST, 63- Vis. lectr, Eastern Michigan, 58-60; vis. asst. prof, N.Y. Univ, 66-67. Training consult, Ann Arbor Vet. Admin. Hosp, Mich, 63-66; psychol. consult, Manhattan Ment. Hyg. Clin, 66-67; Newark Vet. Admin. Ment. Hyg. Clin, 66-67; Brooklyn Vet. Admin. Hosp, 66-67; Manhattan Vet. Admin. Hosp, 66-67. Psychol. Assn. Psychopathology; psychotherapy; psychosomatic disorders; personality theory; psychoanalytic theory of development. Publ: Food preferences as an index of orality, *J. Abnorm. & Soc. Psychol.* 64; Attraction and aversion to power: a psychoanalytic conflict theory of paranoia, *J. Abnorm. Psychol.* 65; Oral derivatives in the food preferences of peptic ulcer patients, *J. Nervous & Ment. Diseases*, 68. Address: Dept. of Psychology, University of Michigan, Ann Arbor, Mich. 48104.
- WOLPE, DR. ZELDA**, Psychol, see 10th ed, Soc. & Behav. Vols.
- WOLPERT, DR. ARTHUR**, b. New York, N.Y. Sept. 18, 32; m. 54; c. 3. PSYCHOPHARMACOLOGY, PSYCHIATRY. B.S. Columbia, 53; fel, Maryland, 54-55, M.S. 56, Ph.D. 59, M.D. 61. Asst. pharmacol, sch. med, Maryland, 57-58; res. psychiatrist, CENT. ISLIP STATE HOSP, 63-64, sr. psychiatrist, 64-66, supvr. psychiatrist, 66-67, RES. PSYCHIATRIST, 67- Consult. in psychiat, Patchogue, Sayville & Brentwood Sch. Dists, 67- Med. dir, Maryhaven Sch. for Except. Children, 65-67. Chem.C. U.S.A. 55-57; USPHS, 61-63, Lt. Comdr. Am. Med. Assn; Psychiat. Assn; Assn. Ment. Deficiency. Clinical psychopharmacology; clinical drug evaluation; research psychiatry. Publ: Weight as a reliable index in geriatrics, *Am. J. Geriat.* 67; Comparative trial of thiothixene, *Curr. Ther. Res.* 67; Early clinical evaluation of clopenthixol, *Am. J. Psychiat.* 67. Address: Central Islip State Hospital, Central Islip, N.Y. 11722.
- WOLPERT, DR. HENRY W (ILLIAM)**, b. Wuerzburg, Germany, July 4, 26; nat; m. 53; c. 2. PSYCHOLOGY. Ph.D. Munich, Germany, 52; Michigan, 49-50. Supvr, indigenous personnel, U.S. Army, Germany, 45-47; consult. community affairs, land cmnr, Bavaria, U.S. High Cmn, Germany, 50-52; res. dir, mkt. & commun. res, Opinion Res. Corp, 52-62; coordinator int. mkt. res, FORD MOTOR CO, 62-64, MGR, mkt. res. dept, European sales & assembly ops, Brussels, 64-66, overseas mkt. res, MKT. RES. OFF, 66-67, OWNER RES. & SPEC. STUDIES DEPT, 67- Mkt. Assn; Psychol. Assn; Assn. Pub. Opinion Res. Address: Ford Motor Co, American Rd, Dearborn, Mich. 48121.
- WOLPIN, DR. MILTON**, b. Brooklyn, N.Y. Dec. 9, 25; m. 56. PSYCHOLOGY. B.A. Brooklyn Col, 50; M.S. Pittsburgh, 52, fels, 53-54, 57-58, Ph.D.(psychol), 58. Asst. psychol, West. State Penitentiary, Pa, 51-52; intern, Elgin State Hosp, 52-53; trainee clin. psychol, Vet. Admin, Pittsburgh, 54-57, fel, West. Psychiat. Inst. & Clin, 58-59; instr, Nebr. Psychiat. Inst. Univ. Nebraska, 59-61, assoc. med. psychol, 61-63, asst. prof, 63-64, clin. psychologist, 59-63; clin. psychologist, Camarillo State Hosp, Calif, 64-67; VIS. ASSOC. PROF. PSYCHOL, SOUTHERN CALIFORNIA, 67- U.S.N. 43-46. Psychol. Assn. Visual imagery; fear reduction. Publ: Co-auth, Rapid deconditioning of a fear of snakes, 65 & Visual imagery, expected roles and extinction as possible factors in reducing fear and avoidance behavior, 66, *Behav. Res. & Ther.*; co-auth, Expectations regarding psychotherapy, *J. Nerv. & Ment. Diseases*, 64. Address: Dept. of Psychology, University of Southern California, 734 W. Adams Blvd, Los Angeles, Calif. 90007.
- WOLSELEY, PROF. ROLAND E (DGAR)**, Journalism, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- WOLSTEIN, DR. BENJAMIN**, b. Woodbine, N.J. Sept. 11, 22; m. 52. PSYCHOLOGY. B.A. Yeshiva, 44; M.A. Columbia, 47, Ph.D.(philos. psychol), 49; N.Y. Univ. 49-50; cert, W.A. White Inst, 58. Lectr. philos. Columbia, 47-49; PSYCHOANALYST, 51- Intern, Kings County Psychiat. Hosp, 50-51; mem. therapist. staff, low cost psychoanal. serv, W.A. White Inst. Psychiat, Psychoanal. & Psychol, 51-58, faculty, 58-; mem. staff, Postgrad. Center Psychother, 51-54; lectr, New Sch. Soc. Res, 58-; clin. prof, Adelphi, 64-; supvr. psychother, Ferkau Grad. Sch. Humanities & Soc. Sci, Yeshiva, 65- AAAS; Psychol. Assn; Philos. Soc; Psychoanal. Assn. Psychoanalytic study of transference and counter-transference; value theory and ethics; psychoanalytic methodology and its place in philosophy of science; models of psychoanalytic therapy. Publ: Transference, 2nd ed, 64; Freedom to experience, 64 & Theory of psychoanalytic therapy, 67, Grune. Address: 2 W. 67th St, New York, N.Y. 10023.
- WOLTER, DR. JAMES H (ERBERT)**, b. Danville, Ill, May 29; 27; m. 55; c. 1. MARKETING. B.S. Illinois, 49; M.B.A. Indiana, 55, D.B.A. 60. Asst. bur. bus. res, Indiana, 54-55, res. assoc, 55-56, teaching assoc. mkt, 55-58; lectr. BUS. ADMIN, FLINT COL, MICHIGAN, 58-60, asst. prof, 60-66, ASSOC. PROF, 66- U.S.A. 51-53, Sgt. Mkt. Assn; Econ. Assn. New product development; sales management; marketing research. Publ: Analysis of the process of new product idea evaluation for consumer goods, In: *Marketing: a maturing discipline*. Address: Dept. of Business Administration, Flint College, University of Michigan, 1321 E. Court St, Flint, Mich. 48503.
- WOLTERS, GILBERT, O.S.B.**, b. Atchison, Kans, Apr. 2, 07. RURAL SOCIOLOGY. A.B. St. Benedict's Col, 31; Michigan, 34; A.M. Catholic Univ, 36, Ph.D. 38; Harvard, 38. PROF. RURAL SOCIOLOGY, ST. BENEDICT'S COL, 38-, dean, 45-51. Sociol. Assn; Rural Sociol. Soc. History of social thought. Address: St. Benedict's College, Atchison, Kans. 66002.
- WOMER, PROF. FRANK B (URTON)**, b. South Bend, Ind, Sept. 25, 21. EDUCATIONAL PSYCHOLOGY. B.A. & B.Ed. Colorado, 48; M.A. Michigan, 51, Ph.D. 56. Teacher, Alamosa High Sch, Colo, 48-50; asst, Michigan, 51-54; assoc. ed, test dir, Houghton Mifflin Co, 54-56; asst. prof. ED. PSYCHOL, MICHIGAN, 56-62, assoc. prof, 62-67, PROF, 67-, CONSULT, BUR. SCH. SERV, 56- Staff dir, Explor. Cmt. Assessing Progress of Ed, 67-68. Psychol. Assn; Personnel & Guid. Assn; Ed. Res. Assn; Nat. Coun. Measurement in Ed (ed, Newsletter, 63-66, pres, 68). School utilization of standardized achievement, ability and interest tests; local school research projects. Publ: Basic concepts in testing, Houghton, 68; co-auth, Personalizing test use: a counselors' casebook, Univ. Michigan, 64; auth, Test norms: their use and interpretation, Nat. Assn. Sec. Sch. Prin, 65. Address: 401 S. Fourth St, University of Michigan, Ann Arbor, Mich. 48103.
- WONDERS, PROF. WILLIAM C (LARE)**, b. Toronto, Ont, Apr. 22, 24; m. 51; c. 3. GEOGRAPHY. B.A. Toronto, 46, Ph.D.(geog), 51; fel, Syracuse, 46-48, M.A. 48. Lectr. GEOG, Toronto, 48-53; asst. prof, ALBERTA, 53-55, assoc. prof, 55-57, PROF, 57-, chmn. dept. geog, 57-67, chmn. Boreal Inst, 60-62, dir, 60-62, 66-68. Can. Coun. sr. fel, 62-63; guest prof, Uppsala, 62-63; Nat. Sci. Found. sr. for. scientist fel, 65-66; vis. prof, Oklahoma, 65-66. Mem. Can. cmt, Int. Geog. Union, 53-61, 64-; Nat. Adv. Cmt. Geog. Res, 65- Assn. Am. Geog; Can. Assn. Geog.(pres, 61-62); Arctic Inst. N.Am. Settlement geography; arctic and subarctic areas. Publ: River valley city: Edmonton, Can. Geogr; Postwar settlement trends in the Mackenzie Valley area, *Geogr. Annaler*; chap, In: *Canadian Northwest: its potentialities*. Address: Dept. of Geography, University of Alberta, Edmonton, Alta. Can.
- WONG, DR. HELENE H**, b. Honolulu, Hawaii, Aug. 26, 21. SPEECH, LINGUISTICS. B.A. Stanford, 42, M.A. 47; Ph.D. La. State, 55. From asst. prof. to ASSOC. PROF. SPEECH, HAWAII, 44- Phonetics; speech improvement; drama. Publ: Co-auth, Manual for speech improvement. Address: Dept. of Speech, University of Hawaii, Honolulu, Hawaii 96822.

- WONG, PROF. LESLIE G. J., b. Victoria, B.C., June 19, 19; m. 48. FINANCE. B.Com, British Columbia, 45; fel. & M.B.A. California, Berkeley, 46; hon. LL.D., Singapore, 67. Instr. FINANCE, BRITISH COLUMBIA, 46-47, asst. prof, 47-50, assoc. prof, 50-57, PROF, 57-, CHMN. DIV, 58- Consult, Univ. Malaya, summer 58, proj. dir, Can. Colombo Plan, Univ. Singapore & Univ. Malaya, 61-65; Ford Found. consult, Singapore Inst. Mgt, summer 67. Finance Asn; Inst. Chartered Financial Anal; Acad. Polit. Sci. Investment management; portfolio analysis; the fundamental approach to security analysis. Address: Division of Finance, University of British Columbia, Vancouver, B.C., Can.
- WONG, DR. RODERICK, b. Vancouver, B.C., Nov. 12, 32; m. 68. PSYCHOLOGY. B.A., British Columbia, 56; M.A., Western Michigan, 59; Ph.D.(psychol), Northwestern, 63. Judicial statistician, Dom. Bur. Statist, 56-58, 59-60; ASST. PROF. PSYCHOL, East. Wash. State Col, 63-64; BRITISH COLUMBIA, 64- Res. grants, Nat. Res. Coun. Can, 67-69, Med. Res. Coun. Can, 67-69. Animal Behav. Soc; Psychol. Asn. Determinants of general activity of animals; early experience of animals; melatonin and behavior. Publ: Infantile handling, activity deprivation, and subsequent wheel-running behavior, Psychonomic Sci, 67; Infantile handling and the facilitation of discrimination and reversal learning, Quart. J. Exp. Psychol, 68; The effect of melatonin on the wheel running of rats deprived of food, J. Endocrinol, 68. Address: Dept. of Psychology, University of British Columbia, Vancouver 8, B.C., Can.
- WONNACOTT, PROF. G(ORDON) PAUL, b. London, Ont, Mar. 16, 33; m. 60. ECONOMICS. B.A., Western Ontario, 55; Int. Finance Sect. fel, Princeton, 56-57, M.A., 57, Ph.D., 59; fel, Brookings Inst, 57-58. Instr. ECON, Columbia, 58-59, asst. prof, 59-62; assoc. prof, MARYLAND, 62-67, PROF, 67- Ford fel, 63-64. Consult, econ. surv. div, UN Secretariat, 59-60. Mem. res. staff, Royal Cmn. Banking & Finance, Can, 62; Task Force Labor Rels, Can, 67-68. Am. Econ. Asn; Can. Econ. Asn; Royal Econ. Soc. Canadian experience with a flexible exchange rate; United States-Canadian trade; the unemployment problem in classical monetary theory. Publ: The Canadian dollar, 1948-1962, Univ. Toronto, 2nd ed, 65; co-auth, Free trade between the United States and Canada: the potential economic effects, Harvard, 67; auth, Disguised and overt unemployment in underdeveloped economies, Quart. J. Econ, 5/62. Address: Dept. of Economics, University of Maryland, College Park, Md. 20740.
- WONNACOTT, PROF. RONALD J(OHNSTON), b. London, Ont, Sept. 11, 30; m. 54; c. 2. ECONOMICS. B.A., Western Ontario, 55; Woodrow Wilson fel, Harvard, 55-56; univ. scholar, 56-57; Int. Tax Found. fel, 56-58, Ford Found. & Dafoe fells, 57-58, Ph.D., 59. Asst. prof. ECON, WESTERN ONTARIO, 58-61, assoc. prof, 61-64, PROF, 64- Vis. assoc. prof, Minnesota, 61-62. Consult, Stanford Res. Inst, 59-60; Resources for Future, 58-60, 63-64. R.C.N.R., 51-55, Lt. International trade; econometrics. Publ: Canadian-American dependence; an interindustry analysis of production and prices; co-auth, Free trade between the United States and Canada, Harvard, 67; Studies in trade liberalization, Johns Hopkins, 67. Address: Dept. of Economics, University of Western Ontario, London, Ont, Can.
- WONNACOTT, DR. THOMAS HERBERT, b. London, Ont, Nov. 29, 35. STATISTICS, ECONOMICS. B.A., Western Ontario, 57; Ph.D.(math. statist), Princeton, 63. Instr. MATH, Wesleyan, 61-63, asst. prof, 63-65; vis. asst. prof, Duke, 65-66; ASSOC. PROF, WESTERN ONTARIO, 66- Inst. Math. Statist. Statistical methods, especially in economics. Publ: Spectral analysis, Technometrics, 5/61; co-auth, Methods for analyzing data from computer simulation experiments, Commun. Asn. Comput. Mach, 11/67. Address: Dept. of Mathematics, University of Western Ontario, London, Ont, Can.
- WOO, DR. JOHN C. H., b. Soochow, China, July 5, 15; U.S. citizen; m. 43; c. 1. POLITICAL SCIENCE, BUSINESS ADMINISTRATION. B.A. Nanking, 37; M.A. California, Berkeley, 46, Ph.D.(polit. sci), 49. Res. assoc. econ, Stanford Res. Inst, 51-53; auditor, Emporium-Capwell Co, 54-56; controller, Griffin-Container & Supply Co, 56-59; instr. BUS. ADMIN, Fullerton Jr. Col, 59-62; from asst. prof. to ASSOC. PROF, CALIF. STATE COL. FULLERTON, 62- South. Calif. Edison Co. fel. bus. ed, 65. Consult, various firms, 62-68; adv. Fed. Tax Course, Prentice-Hall, Inc, 65-67. Econ. Asn; Acct. Asn. International economics, especially China and developing countries; management control systems and financial reporting of international operations. Publ: Industrial development in Manchuria, Stanford Res. Inst. Monogr, 53; Expense manual, Emporium-Capwell Co, 58; Guidelines for management control systems, Griffin-Container & Supply Co, 58. Address: School of Business Administration, California State College, 800 N. State College Blvd, Fullerton, Calif. 92631.
- WOO, DR. KUN KAN, b. Shanghai, China, Mar. 24, 17; m. 50; c. 3. EDUCATIONAL & CHILD PSYCHOLOGY. B.A., Nat. Chen-Chi Univ, 40; M.A. Colo. State Col. Ed, 46; Ed.D., Colorado, 49. Asst. prof. psychol, Okla. Agr. & Mech. Col, 48-50; prof. psychol. & philos, Wis. State Col, 50-51; asst. prof. psychol, Roosevelt, 51-55; lectr. ed. psychol, California, Berkeley, 55-57; prof, California, San Francisco, 57-59; private practice, 59- Psychol. Asn. Intelligence; behavior problems. Publ: Psychology in learning. Address: 563 Tenth Ave, San Francisco, Calif. 94118.
- WOOD, PROF. ARTHUR LEWIS, b. Portland, Ore, Sept. 19, 12; m. 39. SOCIOLOGY. A.B., Dartmouth Col, 35; Earhart fel, Michigan, 35-36, M.A., 36; American Univ, 36-37; Ph.D., Wisconsin, 41. Instr. SOCIOL, Buffalo, 39-44; asst. prof, Bucknell, 44-49; assoc. prof, CONNECTICUT, 49-51, PROF, 61- Fulbright res. scholar, 56-57. Sociol. Asn. Criminology; sociology of law. Publ: Crime and aggression in changing Ceylon, Am. Philos. Asn, 61; Criminal lawyer, Col. & Univ, 67; Minority-group criminality and cultural integration, J. Criminal Law & Criminol, 47. Address: Dept. of Sociology & Anthropology, University of Connecticut, Storrs, Conn. 06268.
- WOOD, PROF. ARTHUR W(ILLIAM), b. Neepawa, Man, July 22, 18; m. 42; c. 3. AGRICULTURAL ECONOMICS. B.A. & M.Sc., Saskatchewan, 52, B.S.A., 51; Ph.D., Stanford, 56. Sr. census suvr. agr. statist, Dom. Bur. Statist, 51; economist, farm labour, Can. Dept. Labour, 55; PROF. AGR. ECON, MANITOBA, 56- Secy, Nat. Conf. Farm Policy Res, 61. R.C.A.F., 42-45. Am. Agr. Econ. Asn; Am. Econ. Asn; Can. Econ. Asn; Can. Agr. Econ. Soc; Agr. Inst. Can; Int. Asn. Agr. Econ. Food consumption; economic progress; international trade in grains; agricultural prices policies. Address: Dept. of Agricultural Economics & Farm Management, University of Manitoba, Winnipeg, Man, Can.
- WOOD, PROF. AUSTIN B(IGELOW), b. San Francisco, Calif, Mar. 1, 02; m. 38; c. 2. PSYCHOLOGY. A.B., California, 23; M.F. Yale, 25; M.A. Columbia, 29, Ph.D.(psychol), 34. Tutor PSYCHOL, City Col. New York, 29-30; BROOKLYN COL, 29-31, instr, 32-35, asst. prof, 36-47, assoc. prof, 48-54, prof, 54-65, EMER. PROF, 65- Dir. Vet. Counseling Off, 42-47. Psychol. Asn; Soc. Proj. Tech. & Personality Assessment. Personality; psychotherapy; counseling. Publ: Another psychologist analyzed, J. Abnorm. & Soc. Psycho; Transference in client centered therapy and in psychoanalysis, J. Consult. Psychol; Psychodynamics through literature, Am. J. Psychol. Address: 810 E. 19th St, Brooklyn N.Y. 11230.
- WOOD, DR. BARBARA S(UNDENE), b. Chicago, Ill, Sept. 6, 41; m. 66. SPEECH, PSYCHOLINGUISTICS. B.S., Wisconsin, Madison, 63, M.S., 64, Ph.D.(speech, statist), 66. Pub. rels. speaker consult, Wis. Bell Tel, 63-66; ASST. PROF. SPEECH, ILLINOIS, CHICAGO, 66- Pub. rels. speaker consult, Ill. Bell Tel, 66- Speech Asn; Nat. Soc. Study Commun. Psycholinguistics-syntax research; language acquisition. Publ: Co-auth, Effects of a speech training program upon semantic compatibility, Speech Monogr, 6/65; auth, The conjectural method: from ancient medicine to ancient rhetorical theory, West. Speech, winter 67; co-auth, Hesitation phenomena and related encoding characteristics in speech and typewriting, Lang. & Speech, 7-9/67. Address: Dept. of Speech, 2029 University Hall, University of Illinois at Chicago Circle, 601 S. Morgan, Chicago, Ill. 60680.
- WOOD, PROF. B(ENJAMIN) D(EKALBE), b. Brownsville, Tex, Nov. 10, 94; m. 23. PSYCHOLOGY. A.B., Texas, 17; M.A., Columbia, 22, Ph.D.(ment. measurements), 23; LL.D., Lawrence Col, 36; L.H.D., Union Col, 42; Sc.D., Colo. State Col. Ed, 50. Asst. psychol. teachers col, COLUMBIA, 19-21, asst. to dean, Columbia, Col, 21-24, asst. prof. ED. RES, 23-26, assoc. prof, 26-38, prof, 38-60, EMER. PROF, 60-, dir. Columbia Col. Bur. Collegiate Ed. Res, 25-, Statist. Bur, 29-59. Dir. N.Y. Mod. Lang. Measurement Res, 25-27; tech. asst. to dir. Pa. study, Carnegie Found, 27-30; dir, Eastman Teaching Film Exp, 27-28; Elem. Sch. Typewriter Res, 29-31; Coop. Test Serv, Am. Coun. Ed, 30-45; Ed. Records Bur, 33-65, consult, 65-; dir, nat. cmt. teacher exam, Am. Coun. Ed, 39-45. Ed. consult, Civil Aeronaut. Admin, 41-48. Chmn. joint adv. cmt. aviation ed, Civil Aeronaut. Admin. & U.S. Off. Ed, 41-46; Nat. Occup. Conf. Butler Silver Medal, 28. U.S.A., 17-19. Fel. Psychol. Asn; Psychomet. Soc; fel. Am. Geog. Soc; Arctic Inst. N.Am; Asn. Comput. Mach; Inst. Aeronaut. & Astronaut; Fedn. Am. Sci; N.Y. Acad. Sci. Individual guidance; test making and analysis; educational research and measurement. Publ: Co-auth, Experimental study of the educational influences of the typewriter in the elementary school classroom; Geography of the world; The student and his knowledge. Address: 106 Morningside Dr, New York, N.Y. 10027.
- WOOD, DR. BRYCE, b. Everett, Wash, Mar. 13, 09; m. 53. POLITICAL SCIENCE. A.B., Reed Col, 31, A.M., 33; Gilder fel, Columbia, 35-36, Cutting traveling fel, 39-40, Ph.D.(pub. law, govt), 40; Soc. Sci. Res. Coun. fel, 36-37. Instr. govt, Columbia, 36-42; mem. div. polit. studies, U.S. Dept. State, 42-43; from asst. prof. to assoc. prof, Swarthmore Col, 43-50; mem. staff, SOC. SCI. RES. COUN, 50-65, EXEC. ASSOC, 65- Vis. prof, Columbia, 58-60, 65-66, 67. Asst. dir. div. soc. sci, Rockefeller Found, 47-48. Polit. Sci. Asn; Asn. Latin Am. Studies; Hist. Asn. American foreign policy; international relations and organization. Publ: The making of the Good Neighbor Policy; auth, The United States and Latin American wars, 1932-1942, 66 & co-ed, Social science in Latin America, 67, Columbia. Address: Social Science Research Council, 230 Park Ave, New York, N.Y. 10017.
- WOOD, PROF. CARLTON L(EROY), b. Tacoma, Wash, June 21, 11; m. 38; c. 2. POLITICAL ECONOMY. B.A., Washington (Seattle), 32, exchange fel, Heidelberg, 32-34, von Humboldt fel, 33-34, Ph.D.(polit. econ), 36; M.A., Columbia, 44; Nat. War Col, 49-50. Asst. prof. European hist, Forman Christian Col, 35-38; from instr. to asst. prof. int. trade, Col. William & Mary, 38-42; head India Sect, U.S. Dept. Commerce, 42-43, chief Asiatic & African Sect, 46-48, Mid. East Br, 49-50, dir. Far East Div, 50-53; ops. analyst, ops. res. off, Hopkins, 53-55; exec. assoc, Ford Found, 55-58; Int. Economist, Stanford Res. Inst, 58-66; PROF. ECON, MGT. SYSTS. CENTER, NAVAL POSTGRAD. SCH, 66- Adv. U.S. Econ. Surv. Mission, Philippines; consult, Stanford Res. Inst, 66- U.S.N.R., 43-46. Econ. Asn; Soc. Int. Develop; Regional Sci. Asn. International and regional development; international economic aspects of defense management. Address: 883 Sinex Ave, Pacific Grove, Calif. 93950.
- WOOD, DR. DAVID M(ICHAE), b. Cleveland, Ohio, Oct. 16, 34; m. 55. POLITICAL SCIENCE. A.B., Miami (Ohio), 56; Fairlie fel, Illinois, 56-58, A.M., 58, Babcock fel, 59-60, Ph.D., 60. Instr. POLIT. SCI, MISSOURI, COLUMBIA, 60-61, asst. prof, 61-65, ASSOC. PROF, 65- Summer vis. lectr, Illinois, Urbana, 64. Polit. Sci. Asn. French party system evolution; roll call voting behavior in French Parliament. Publ: Issue dimensions in a multi-party system: the French National Assembly and European unification, Midwest J. Polit. Sci, 8/64; Majority versus opposition in the French National Assembly: a Guttman Scale analysis, 1956-1965, Am. Polit. Sci. Rev, 3/68. Address: Dept. of Political Science, University of Missouri, Business & Public Administration Bldg, Columbia, Mo. 65201.
- WOOD, PROF. DOROTHY ADKINS, Psychol, see ADKINS, PROF. DOROTHY C.
- WOOD, PROF. EDGAR OTTO, b. Ball Ground, Ga, Mar. 25, 89; m. 17; c. 2. PSYCHOLOGY. A.B., La. Col, 24; A.M., Chicago, 26; Ph.D., Texas, 31. Mem. faculty, La. Col, 27-35, dir. forensic prog, 32-49, prof. PSYCHOL. & chmn. dept, 35-49; from prof. & chmn. dept. to EMER. PROF, BAYLOR, 49- Carnegie Found. grant-in-aid, 46, 47, 48. Psychol. Asn. Publ: Juvenile delinquency; Anchors aweigh; Psychology of religion. Address: Dept. of Psychology, Baylor University, Waco, Tex. 76703.

WOOD, PROF. ELMER, b. Carmi, Ill., Aug. 25, 92; m. 29. ECONOMICS. A.B. Missouri, 16; Princeton, 16-17; Ph.D. Harvard, 37. Prof. ECON. N.C. State Col., 24-30; MISSOURI, COLUMBIA, 30-62, EMER. PROF., 62-66. Guggenheim fel., 39-40. Chief liaison officer, Off. Price Admin, Ed. Econ. Warfare, 42. U.S.A., 18-19, 2nd Lt. Money and banking; international finance. Publ: English theories of central banking control; Monetary control, 63; Some financial aspects of current international problems, Am. J. Econ. & Sociol. Address: Dept. of Economics, University of Missouri, Columbia, Mo. 65201.

WOOD, PROF. ELWIN GRANT, b. Mont., Oct. 29, 91; m. 20; c. 2. ECONOMICS. B.S., State Col. Wash., 16; fel. Mass. Agr. Col., 16-17; Ph.D., Wisconsin, 24. Instr., State Col. Wash., 20-22; assoc. prof. econ., ARIZONA, 24-45, prof. bus. admin., 45-58, MKT., 58-66, EMER. PROF., 66- U.S.A., 17-19. Mkt. Asn.; Acad. Advert. Marketing; advertising. Address: 3861 E. Third St., Tucson, Ariz. 85716.

WOOD, PRES. E(RNEST) R(ICHARD), b. Del Norte, Colo., July 19, 91; m. 17; 36; c. 3. PSYCHOLOGY, STATISTICS. A.B., Ohio (Athens), 16, B.S., 17; A.M., Clark, 17; Ph.D., Chicago, 23. Prin., univ. high sch., Kentucky, 19-21; prof. psychol., Kans. State Teachers Col., 22-29; dir. instruct. res. & scholar. tests, State Dept. Ed., Ohio, 29-32; assoc. prof. ED., N.Y. UNIV., 32-40, prof., 40-56, EMER. PROF., 56-; dean, ROCKY MT. COL., 56-61, EMER. DEAN, 61-; dean, FREDERICK COL., 61-65, PRES., 65- Dir. bur. measurements & standards & state scholar. tests, Emporia, Kans., 24-29. U.S.A., 18. Psychol. Asn.; Statist. Asn.; Ed. Res. Asn. Achievement testing; motivation; statistical aids. Address: Frederick College, Portsmouth, Va. 23703.

WOOD, ESTHER CHASE, b. Centerville, Pa., Apr. 25, 94; m. 17; c. 6. PSYCHOLOGY, SOCIOLOGY. A.B., Pa. State Col., 18; A.M., Columbia, 32. Dir. relig. ed., Riverdale Presby. Church, N.Y., 31-40; instr., Wagner Col., 44-45, asst. prof. psychol. & sociol., 45-57; asst. prof. psychol. & sociol., Gettysburg Col., 57-63; RETIRED. Lectr., exten. div., Columbia, 32-39. Pres., Adams County, Pa. Ment. Health Assn., 66-68. Trustee, Mariners Family Asylum, 40-57. Nat. Coun. Family Rels. Child guidance; marriage and family counselling; mental health. Address: 344 Baltimore St., Gettysburg, Pa. 17325.

WOOD, DR. FRANK ARTHUR, b. Philadelphia, Pa., Apr. 10, 40; m. 61; c. 2. CLINICAL PSYCHOLOGY. A.B., Boston, 61, U.S. Pub. Health Serv. fel., Purdue, 61-62, M.S., 63, Ph.D.(clin. psychol.), 65. Intern. clin. psychol., Upham Hall, univ. hosp., Ohio State, 64-65, asst. prof. ed. & dir. test. develop. center, 65-67; ASST. PROF. PSYCHOL., ST. LAWRENCE, 67- AAAS; Psychol. Asn. Test construction, particularly projective and standardized tests; therapy with hospital patients or college students; teaching. Publ: Co-auth., The 1967 Standardization of the tests of general educational development, U.S. Armed Forces Inst. & Am. Coun. Ed., 68; auth., An investigation of methods of presenting incomplete sentence stimuli, J. Abnorm. Psychol., 68; Tachistoscopic conventional presentation of incomplete sentence stimuli, J. Proj. Tech., 68. Address: Dept. of Psychology, St. Lawrence University, Canton, N.Y. 13617.

WOOD, PROF. GARLAND PERRY, b. Johnston, Iowa, Apr. 21, 22; m. 49; c. 3. AGRICULTURAL ECONOMICS. B.S., Wisconsin, 51, M.S., 53, Ph.D.(econ), 58. Asst. prof. AGR. ECON., Nevada, 55-57; MICH. STATE, 57-59, assoc. prof., 59-63, PROF., 63-, LEADER KELLOGG PROJ., S.A.M., 60-, DIR., LATIN AM. STUDIES CENTER, CENTER INT. PROGS., 67- Consult, Land Tenure Center, Univ. Wisconsin, 63-66 & Bogota, Colombia, 67. Mem. Int. Conf. Agr. Economists. U.S.A., 43-46, 1st Lt. Agr. Econ. Asn.; Soc. Int. Develop.; Latin Am. Studies Asn. Conditions of land tenure related to development in Latin America; institutions of developing countries as inhibitors of change, especially local government. Publ: Development in state-local tax systems and their implication for agriculture, Proc. J. Farm Econ., 63; Agriculture and social change, In: Industrial relations and social change in Latin America, Univ. Florida, 65; Agriculture—source of food and manpower, Proc. Manpower Seminar, U.S. Dept. Labor, 67. Address: Latin American Studies Center, Center for International Programs, Michigan State University, East Lansing, Mich. 48823.

WOOD, PROF. G(REGORY) BURTON, b. Medford, Ore., Dec. 26, 09; m. 35; c. 2. AGRICULTURAL ECONOMICS. B.S., Oregon, 38; M.S., Ore. State Col., 40; Ph.D.(agr. econ., Wisconsin, 45. Asst. dir. res., Farm Credit Admin., Minn., 42-43, sr. economist, War Food Admin., 43-44; asst. prof. AGR. ECON., Purdue, 44-47, assoc. prof., 47-50; PROF., OREGON STATE, 50-, ASSOC. DEAN & DIR. AGR. EXP. STA., 66-, head dept., 51-66. Agr. Econ. Asn. Research in costs, methods and business administration relating to marketing of farm products; general statistics; food sources. Address: Agricultural Experiment Station, Oregon State University, Corvallis, Ore. 97331.

WOOD, PROF. HAROLD A(RTHUR), b. Jamaica, B.W.I., June 1, 21; nat; m. 45; c. 2. GEOGRAPHY. Ont. Res. Coun. fel., McMaster, 50, M.A., 51; Can. Soc. Sci. Res. Coun. fel., 55; Ph.D.(geog.), Toronto, 58. Headmaster, Col. Int. Cap. Haiti, 43-45; second master, Manchester Sch., Jamaica, 45-47; instr. mod. langs., Stoney Brook Sch., N.Y., 47-49; lectr. GEOG., McMASTER, 50-56, asst. prof., 56-60, assoc. prof., 60-66, PROF., 66- Leader geog. surv., Can. Govt., Manitoba, 51, Newfoundland, 52, St. Lawrence Seaway area, 53. Consult, land use classification study, Orgn. Am. Studies, 65-66; Latin Am. transportation surv., spec. maps cnt., Pan-Am. Inst. Geog. & Hist., 65-, pres. regional geog. cmt., 66-, orgn., 1st Interam. Seminar Definition of Regions Develop. Planning, 67. Asn. Am. Geog.; Am. Geog. Soc.; Soc. Photogram.; Can. Asn. Geog.; Can. Inst. Surv.; Inter-Am. Planning Soc.; Inst. Caribbean Studies. Latin America; cartography; urban geography; air photo interpretation. Publ: Teaching of geography in Canada; The United States and Latin America; Northern Haiti: land, land use and settlement. Address: Dept. of Geography, McMaster University, Hamilton, Ont., Can.

WOOD, HELEN, b. Philadelphia, Pa., June 18, 07. ECONOMICS. B.A., Wellesley Col., 28; fel. Columbia, 31, M.A., 32. Asst. grad. sch. bus. admin., Harvard, 32-34; investr., bur. women & children, state dept. labor & indust., Pa., 34-35; indust. res., children's bur., U.S. DEPT. LABOR, 35-43, bur. labor

statist., 43-55, chief, bur. occup. outlook & specialized personnel, 55-61, chief div. automation & tech. change, off. secy., 61-63, spec. asst. to dir., off. manpower, automation & training, 63-66, CHIEF MANPOWER REPORTS DEVELOP. STAFF, MANPOWER ADMIN., 66- Pres., Nat. Voc. Guid. Asn., 60-61. U.S. Dept. Labor meritorious serv. award, 54, distinguished serv. award, 64. Statist. Asn.; Personnel & Guid. Asn. Manpower problems; labor market analysis; occupational studies; labor statistics. Address: 4612 Albemarle St. N.W., Washington, D.C. 20016.

WOOD, DR. HERBERT H(ARTLE), b. Seattle, Wash., July 4, 22; m. 46; c. 4. INTERNATIONAL RELATIONS. B.A., American Univ., 43, M.A., 47; Ph.D., Columbia, 57. Instr. polit. sci. & asst. to dean, American Univ., 47-48; instr. govt., Maine, 50-52, asst. prof., 52-58, assoc. prof., 58-60, asst. to dean, col. arts & sci., 53-60; acad. dean, Albion Col., 61-64; PRES., KANSAS CITY REGIONAL COUN. HIGHER ED., 64- Ford Found. fel., Emory, 57; univ. fel., Michigan, 60-61. Consult. to trustees, Grand Valley State Col., 61; exam., N.Cent. Cols. Asn., 61- U.S.A.A.F., 43-45; U.S.A.R., 45-54, 2nd Lt. Polit. Sci. Asn.; Soc. Int. Law; Soc. Pub. Admin. United Nations; colonial Africa; public opinion; college administration. Address: 220 W. 53rd St., Kansas City, Mo. 64112.

WOOD, J. HARRY, b. Gainesville, Ark., Oct. 21, 04; m. 30; c. 2. ECONOMICS. A.B., Harvard, 26; M.A., Columbia, 30. Prof. mgt., Washington (St. Louis), 51-54; finance, Miami (Fla.), 54-58; managing dir., Life Ins. Agency Mgt. Asn., Conn., 58-61; PRES., HOME LIFE INS. CO., NEW YORK, 61-, CHIEF EXEC. OFFICER, 62- Ed., J. Am. Col. Life Underwriters, 51-58. Address: 45 Sutton Place S., New York, N.Y. 10022.

WOOD, DR. JAMES D(ANIEL), b. Lordsburg, N.Mex., Jan. 31, 21. PSYCHOLOGY. B.S., N.Y. Univ., 53, M.A., 54, Ph.D.(psychol.), 57. Indust. psychologist, Standard Oil Co. N.J., Aruba, 54-57; indust. consult., Bruce Payne & Assoc., 58-59; fel., Trenton State Hosp., N.J., 60-61; ASST. PROF. COUNSELING PSYCHOL., CITY COL. NEW YORK, 61- Peace Corps Field Assessment Officer, Jamaica, 62, Brazil, 66 & Micronesia, 68. Hosp. C., U.S.N., 42-46, Ensign, Psychol. Asn.; Group Psychother., Asn. Individual and group psychotherapy. Address: 160 E. 88th St., New York, N.Y. 10028.

WOOD, DR. JAMES E(ARL), Econ, see 10th ed, Soc. & Behav. Vols, deceased 65.

WOOD, DR. J(OHN) DAVID, b. Galt, Ont., Feb. 23, 34; m. 63; c. 2. GEOGRAPHY. B.A., Toronto, 55, fel. 56-57, M.A., 58; Ph.D.(geog.), Edinburgh, 62. Asst. lectr. GEOG., Edinburgh, 57-62; asst. prof., Alberta, 62-65; ASSOC. PROF. & CHMN. DEPT., ATKINSON COL., YORK (ONT), 65- Nat. Res. Coun. Can. grant, 63; Can. Coun. res. grants, 64, 66 & 67-68. Can. Asn. Geog.; Royal Scottish Geog. Soc. Migration, especially British to North America; pioneer settlement; theory of geography. Publ: The Woodland Oak Plains transition in settlement of Upper Canada, Can. Geogr., 61; Scottish migration overseas, Scottish Geog. Mag., 64; Scandinavian settlement in Canada revisited, Geografiska Annaler, 67. Address: Atkinson College, York University, 4700 Keele St., Downsview, Ont., Can.

WOOD, DR. JOHN HAROLD, b. Bethesda, Ohio, June 3, 33; m. 58; c. 3. ECONOMICS. B.Sc., Ohio, 55; M.A., Mich. State, 59; Ph.D.(econ), Purdue, 64. Economist, Bd. Gov. Fed. Reserve Syst., 62-65; lectr. econ., Birmingham, 65-67; ASSOC. PROF. FINANCE, PENNSYLVANIA, 67- U.S.A., 56. Economist, Soc.; Econ. Asn. Money and banking; economic theory. Publ: A model of federal reserve behavior, Irwin, 67; Expectations, errors and the term structure of interest rates, J. Polit. Econ., 63; The expectations hypothesis, the yield curve and monetary policy, Quart. J. Econ., 65. Address: Dept. of Finance, University of Pennsylvania, Wharton Graduate Division, Philadelphia, Pa. 19104.

WOOD, PROF. JOHN WAYNE, b. Greene County, Mo., Aug. 1, 29. POLITICAL SCIENCE. B.A., Southwest Mo. State Col., 50; M.A., Iowa, 52, Ph.D., 56. Instr. govt., OKLAHOMA, 56-57, asst. prof., 57-62, assoc. prof., 62-67, PROF. POLIT. SCI. & CHMN. DEPT., 67-, asst. dir., bur. govt. res., 56-61. Vis. asst. prof., Connecticut, 58-59. Consult, Okla. Civil Defense Proj-Continuity in Govt, 57-58; Outdoor Recreation Resources Rev. Cmn., 59-60. U.S.A., 52-54, Sgt. Polit. Sci. Asn.; Soc. Pub. Admin. State and local government; public administration and opinion. Publ: Co-auth., Problems in Oklahoma government, Bur. Govt. Res., Univ. Oklahoma, 57; auth., The 1964 election in Oklahoma, Arnold Found., 66; Power in the Oklahoma legislature, Tulane Studies, 67. Address: Dept. of Political Science, University of Oklahoma, Norman, Okla. 73069.

WOOD, KENNETH RUSSELL, b. Lamar, Colo., May 23, 17; m. 52; c. 2. MATHEMATICAL STATISTICS. B.A., Kansas, 39; George Washington, 41-42, 48; Michigan, 48-49. Statistician, personnel res. br., Off. Adj. Gen., U.S. War Dept., 40-49; U.S. R.R. Retirement Bd., Ill., 49-50; chief statistician, U.S. Qm. Food & Container Inst., 50-56; comput. supvr., Argonne Nat. Lab., 56-59; sr. mathematician, Syst. Develop. Corp., 59-63; SR. STATISTICIAN, HEALTH SCI. COMPUT. FACILITY, UNIV. CALIFORNIA, 64- Consult, Hotpoint Corp., div. Gen. Elec. Co., Ill., 58. U.S.A., 42-46, Sgt. Data analysis; applied mathematical statistics; computer algorithms for parsimonious polynomial multiple regression functions and polynomial principal components. Address: Health Sciences Computing Facility, University of California, Los Angeles, Calif. 90024.

WOOD, PROF. LEE CURTISE, b. Urbana, Iowa, Oct. 13, 11; m. 38; c. 3. LABOR ECONOMICS, BUSINESS MANAGEMENT. B.A., Coe Col., 38; M.A. & Ph.D., Iowa, 56. Asst. prof. mgt., WICHITA STATE, 56-57, assoc. prof., 57-58, PROF. ADMIN., 58-, CHMN. GRAD. STUDIES BUS. & INDUSTRY, 60-, head dept. admin., 58-60. Summer, Case Seminar Prog., grad. sch. bus. admin., Harvard, 60. Consult, bur. employ. security, U.S. Dept. Labor, 61- U.S.A.A.F., 41-46, Res., 46-68, Lt. Col. Econ. Asn. Business history; labor market area studies; business cases. Publ: Who is the conservative?; Follow up study of former Armour and Company workers; co-auth., Manpower developments in Wichita, Kansas, Col. Bus. Admin., Univ. Wichita, 63. Address: 2109 N. Parkwood Lane, Wichita, Kans. 67208.

WOOD, DR. LUCIE A(NTOINETTE), Anthropol, see 10th ed, Soc. & Behav. Vols. Latest known address: New Farm, King William, Va. 23086.

WOOD, MARSHALL K(EMBALL), Oper. Res, see 11th ed, Phys. & Biol. Vols.

WOOD, PROF. NANCY E(LIZABETH), Psychol, see 11th ed, Phys. & Biol. Vols.

WOOD, PROF. NEAL, b. Los Angeles, Calif, Sept. 10, 22; m. 67; c. 1. POLITICAL SCIENCE. A.B. California, 51, fel. 54-55, Ph.D.(polit. sci), 58; Rockefeller Found. grant, Cambridge, 55-57. Asst. polit. sci, California, 51-54; assoc. govt, Barnard Col, Columbia, 57-58, asst. prof. pub. law & govt, 58-63; POLIT. SCI, California, Los Angeles, 63-65, assoc. prof, 65-66; PROF, YORK (ONT), 66-, DIR. GRAD. PROG, 67- Ed, polit. philos. series, Chandler Pub. Co, 65- Mem. adv. bd, Arch. Brit. Hist. & Culture, 66. Soc. Polit. & Legal Philos. History of political thought. Publ: Communism and British intellectuals, Columbia, 59; ed, The art of war, Bobbs, 65; auth, Xenophon's theory of leadership, Classica et Mediaevalia, 66. Address: Dept. of Political Science, York University, Toronto 12, Ont, Can.

WOOD, DR. OLIVER GILLAN, JR, b. Greenville, S.C, Apr. 27, 37; m. 59; c. 1. ECONOMICS. B.S. South Carolina, 58, M.A., 63; Ph.D.(econ), Florida, 65. ASST. PROF. ECON, SOUTH CAROLINA, 65- U.S.N.R., 59-61, Res, 61-, Lt. Econ. Asn; Finance Asn; Nat. Tax Asn. Monetary and fiscal policy; commercial banking. Publ: Evolution of the concept of risk, J. Risk & Ins, 64; co-auth, Bank service charges in the South, Nat. Banking Rev, 67. Address: Dept. of Economics, University of South Carolina College of Business, Columbia, S.C. 29208.

WOOD, DR. RICHARD H(ARVEY), b. Wellington, S.Africa, Apr. 5, 08; U.S. citizen; m. 37; c. 2. ECONOMICS. A.B. Princeton, 30, Ph.D.(econ), 43. Instr. econ, Princeton, 43; assoc. prof. in charge res, inst. mgt. & labor rels, Rutgers, 47-56, prof, 56-59, dir. inst, 49-59; prof. econ. programming & dir. inst. int. develop, sch. adv. int. studies, Hopkins, 59-63; chief planning div, Agency Int. Develop, Africa Bur, D.C. 63-64; chief of party, Univ. Pennsylvania contract team, Pahlavi Univ, Iran, 64-66; EXEC. ASSOC. ED. & WORLD AFFAIRS, 66- Prof, inst. pub. & bus. admin, Karachi, Pakistan, 56-58. Consult, Int. Coop. Admin, Sudan, Africa, 61. Econ. Asn; Soc. Int. Develop. Labor, management and international economics and development. Publ: Some current issues concerning the U.S. Foreign Aid Program, Sch. Adv. Int. Studies Rev; Methods of administering U.S. technical assistance, In: Economic development and cultural change; U.S. universities: their role in AID-financed technical assistance overseas, Ed. & World Affairs, 68. Address: Education & World Affairs, 522 Fifth Ave, New York, N.Y. 10036.

WOOD, PROF. ROBERT C(OLDWELL), b. St. Louis, Mo, Sept. 16, 23; m. 52; c. 3. POLITICAL SCIENCE. A.B. Princeton, 46; M.P.A. Harvard, 47, M.A., 48, Ph.D.(polit. econ. & govt), 50. Assoc. dir, Fla. Legis. Reference Bur, 49-51; mem. staff, U.S. Bur. Budget, Exec. Off. President, 51-53; lectr. govt, Harvard, 53-54, asst. prof, 54-57; assoc. prof, Mass. Inst. Tech, 57-62, prof, 62-66, head dept. polit. sci, 65-66; UNDER SECY, DEPT. HOUSING & URBAN DEVELOP, 66- Chmn, President's Task Force Metrop. & Urban Probs, 64; mem, President's Task Force Urban Probs, 61, chmn, 65. Fruin-Colon award, 59. U.S.A., 43-46. Soc. Pub. Admin; Polit. Sci. Asn; Am. Acad. Arts & Sci. Urban politics; science and government; public administration. Publ: Suburbia: its people and their politics; co-auth, School men and politics, Syracuse Univ, 62; Government and politics in the United States, Harcourt, 65. Address: Dept. of Housing & Urban Development, 1626 K St. N.W., Washington, D.C. 20410.

WOOD, PROF. ROBERT E(RNEST), b. Shawnee, Okla, May 24, 10; m. 44; c. 3. POLITICAL SCIENCE. B.A. Oklahoma, 30, M.A., 31; summer, Missouri, 61, Georgia, 64-65. Teacher, jr. high sch, Okla, 31-32; bookkeeper, Reconstruct Finance Corp, 33-35; ed. clerk, U.S. Treas. Dept, 35-39; exam, Bur. Budget, Exec. Off. President, 39-50; bus. mgr, First Presby. Church, Okla, 51-57; admin. asst. city govt, Oklahoma City, 57-60; asst. prof. POLIT. SCI, Col. of Sch. of Ozarks, 60-62; instr, Ark. State Col, 62-64; asst. prof, Augusta Col, 65-66; Auburn, 66-67; ASSOC. PROF, WIS. STATE, STEVENS POINT, 67- Part-time instr, Oklahoma City Univ, 57-60; summer ed. writer, Augusta Herald, 66. Polit. Sci. Asn; Soc. Pub. Admin. Public administration and other aspects of government in the United States. Publ: A passion for anonymity: variations on a theme, In: Public administration: readings in institutions, process, behavior, Rand McNally, 66. Address: P.O. Box 547, Stevens Point, Wis. 54481.

WOOD, PROF. ROY, b. Stuart, Va, Jan. 28, 20. ECONOMICS. A.B. Virginia, 43, A.M., 48. Assoc. prof. econ, Clemson Col, 48-59, dir. legis. anal, Am. Enterprise Asn, 59-62; assoc. prof. ECON, Mars Hill Col, 62-64, assoc. prof. & head dept, Asheville-Biltmore Col, 64-67; ASSOC. PROF, MARS HILL COL, 67- U.S.N.R., 43-46, Res, 46, Lt. Comdr. Econ. Asn. Address: Dept. of Business Administration, Mars Hill College, Mars Hill, N.C. 28754.

WOOD, PROF. TRUMAN D(AVID), b. Delavan, Minn, Nov. 2, 32; m. 55; c. 2. POLITICAL SCIENCE. B.S. Mankato State Col, 54; M.A. Iowa, 55, Ph.D. (polit. sci), 61. Teacher, jr. high sch, Iowa, 55-56; teacher & debate coach, high sch, Minn, 56-59; asst. prof. POLIT. SCI, MANKATO STATE COL, 61-64, assoc. prof, 64-67, PROF, 67- Nat. Center Ed. in Polit. fel, Republican Nat. Convention, summer, 64. Chmn. adv. subcm, Gov. Bipartisan Cmn. Legis. Reapportionment in Minn, 64-65. Effect of political ideology on the political actor's perception of political reality. Publ: The impact of perception on rural reactions to reapportionment, J. Minn. Acad. Sci, winter, 65. Address: Dept. of Political Science, Mankato State College, Mankato, Minn. 56001.

WOOD, DR. WALTER A(BBOTT), Geog, see Suppl. V to 11th ed, Phys. & Biol. Vols.

WOOD, DR. WALTER F(RANK), Geog, see 11th ed, Phys. & Biol. Vols.

WOOD, DR. W(ALTER) RAYMOND, b. Gordon, Nebr, May 18, 31; m. 57; c. 3. ANTHROPOLOGY. B.A. Nebraska, 54, M.A., 56; Ph.D.(anthrop), Oregon, 61. Staff archaeologist, State Hist. Soc. N.Dak, 54-56; res. assoc, Missouri,

56-58; curator anthrop, Arkansas, 61-63; instr. ANTHROP, MISSOURI, 63-65, asst. prof, 65-67, ASSOC. PROF, 67-, DIR. RIVER BASIN ARCHAEOLOG., 63- Prin. investr, Nat. Sci. Found. grants archaeol. & paleoecol. of West. Ozark Highlands, 66-68. Soc. Am. Archaeol. Prehistory, ethnohistory and paleoecology of American Midwest, especially North American Plains and Ozark Highlands. Publ: A stylistic and historical analysis of shoulder patterns on Plains Indian Pottery, Am. Antiquity, 62; An interpretation of Mandan culture history, Bur. Am. Ethnol. Bull, 67; An archaeological appraisal of early European settlements in the Senegambia, J. African Hist, 67. Address: Dept. of Anthropology, University of Missouri, Columbia, Mo. 65201.

WOOD, PROF. W(ILLIAM) DONALD, b. Palermo, Ont, Apr. 5, 20; m. 45. ECONOMICS. B.A. McMaster, 50; M.A. Queen's (Ont), 52; fel, Princeton, 52-55, A.M., 54. Economist, dept. employee rels, Imperial Oil, Ltd, 55-61; PROF. ECON. & DIR. INDUST. RELS. CENTER, QUEEN'S (ONT), 61- R.C.A.F., 40-45. Econ. Asn; Acad. Polit. & Soc. Sci; Indust. Rels. Res. Asn; Can. Polit. Sci. Asn. Labor economics and industrial relations; public affairs. Address: Industrial Relations Center, Queen's University, Kingston, Ont, Can.

WOODARD, PROF. F(LORENCE) M(AY), b. Kingsbury, Que, Oct. 22, 00. ECONOMICS. Ph.B. Vermont, 22; A.M. Columbia, 27, Ph.D. 36. Instr. econ, VERMONT, 22-27, asst. prof, 27-31, assoc. prof, 36-59, prof. ECON. & COMMERCE, 59-66, EMER. PROF, 66- Econ. Asn. Economic history of New England; the town proprietors in New England; agricultural Vermont. Publ: People of Vermont: population patterns and trends since 1940. Address: 475 Main St, Burlington, Vt. 05401.

WOODBIDGE, FREDERICK W(ELLS), Acct, see 10th ed, Soc. & Behav. Vols.

WOODBURNE, PROF. L(LOYD) S(TUART), Psychol, see 11th ed, Phys. & Biol. Vols.

WOODBURY, DR. CHARLES B(ENJAMIN), b. Lafayette, Ind, Feb. 6, 20; m. 43; c. 4. PSYCHOLOGY. A.B. Oberlin Col, 40; M.A. Yale, 42, Ph.D. (psychol), 48. From instr. to asst. prof. psychol, Amherst Col, 48-50; asst. prof, Oberlin Col, 50-55; U.S. Pub. Health Serv. clin. psychol. & res. training fel, Judge Baker Guid. Center, 55-58; STAFF PSYCHOLOGIST, DEPT. PSYCHIAT, CHILDRENS HOSP, 58- Dipl. Am. Bd. Exam. Prnl. Psychol. U.S.A., 42-46. Psychol. Asn. Behavior theory; clinical psychology. Address: 46 Rockledge Rd, Newton Highlands, Mass. 02161.

WOODBURY, PROF. G(ORDON) COLEMAN, b. Sandwich, Ill, July 20, 03; m. 49. POLITICAL SCIENCE. B.S. Northwestern, 25, M.A. 26, Ph.D. 31; Oxford, 26-27. Asst. prof. econ. & res. assoc. urban land econ, Northwestern, 27-32; exec. dir, State Housing Bd, Ill, 33-34; Nat. Assn. Housing Officials, 34-42; asst. adminstr, Nat. Housing Agency, 42-46; dir, Urban Redevelop. Study, 48-51; Norton prof. regional planning, Harvard, 51-53; vis. prof, Yale, 56-57; PROF. POLIT. SCI. & DIR. URBAN RES, WISCONSIN, MADISON, 57- Vis. prof, California, 57. Consult, Nat. Resources Planning Bd, 37-41; U.S. Housing Authority, 37-42; State Dept. Conserv, N.J., 54-55; Ford Found, 55-57; Housing & Home Finance Agency, 57-; State Dept. Resource Develop, 60- Mem. exec. cmt, Int. Fedn. Housing & Town Planning, 35-46; cmt. housing res, Soc. Sci. Res. Coun, 46-51; area develop. adv. bd, Cmt. Econ. Develop, 59-; bd. trustees, Wash. Center Metrop. Studies, 59-; expert. cmt. pub. health aspects housing, WHO, 61- Fruin-Colon award, Nat. Munic. League, 60. Polit. Sci. Asn. (Franklin D. Roosevelt award, 54); Regional Sci. Asn; Inst. Planners. Processes and problems of current urbanization; urban growth and dispersal; local government finance; assimilation of in-migrant groups; policy formation, including planning. Publ: Framework for urban studies; Urban studies: some questions of outlook and selection; co-auth, Future of cities and urban redevelopment. Address: Dept. of Political Science, University of Wisconsin, Madison, Wis. 53706.

WOODBURY, NATHALIE F(ERRIS) S(AMPSON), b. Humboldt, Ariz, Jan. 25, 18; m. 48. ANTHROPOLOGY. A.B. Barnard Col, 39; Columbia, 39-42. Instr. anthrop, Brooklyn Col, 44-45; asst. prof, East New Mexico Col, 45-46; instr, Arizona, 46-47; asst. archaeologist, Zaculeu Proj, United Fruit Co, Guatemala, 48-50; lectr, Barnard Col, 52-58, acting exec. officer, dept, 54-56, dean's off, 56-58; RES. ASSOC. ANTHROP, Ariz. State Mus, 58-64; OFF. ANTHROP, SMITHSONIAN INST, 64- Res. assoc, Mus. North. Arizona, 58- Adv, Barnard Col, 59- Soc. Woman Geog; fel. Anthrop. Asn; Ethnol. Soc. (secy); Soc. Am. Archaeol. (treas, 65-). North American ethnology and prehistory. Publ: Paperback books in anthropology; co-auth, Zuni prehistory; auth, The excavation of Hawikuh, Mus. Am. Indian, 66. Address: Office of Anthropology, Smithsonian Institution, Washington, D.C. 20560.

WOODBURY, PROF. RICHARD B(ENJAMIN), b. West Lafayette, Ind, May 16, 17; m. 48. ANTHROPOLOGY, ARCHAEOLOGY. B.S. Harvard, 39, M.A., 42, Ph.D.(anthrop), 49; Columbia, 39-40. Archaeologist, Zaculeu proj, United Fruit Co, Guatemala, 47-50; assoc. prof. anthrop, Kentucky, 50-52; Columbia, 52-58; Arizona, 58-63; curator anthrop, SMITHSONIAN INSTITUTION, 63-65, chmn. off. anthrop, 65-67, CURATOR ANTHROP, 67- Ed, Arid Lands Res. Newsletter. U.S.A.A.F., 42-45. Fel. Anthrop. Asn; Soc. Archaeol. (treas, 54; ed, 54-58; pres, 58-59). Archaeology of Southwestern United States; primitive agriculture and water controls in arid areas, and their social concomitants. Publ: The ruins of Zaculeu, Guatemala, United Fruit Co, 53; Prehistoric agriculture at Point of Pines, Arizona, Mem. Soc. Am. Archaeol, 61; co-auth, The excavation of Hawikuh, Mus. Am. Indian, 66. Address: Office of Anthropology, Smithsonian Institution, Washington, D.C. 20560.

WOODBURY, DR. ROBERT M(ORSE), Statist, see 10th ed, Soc. & Behav. Vols.

WOODCOCK, DR. RICHARD W(ESLEY), b. Portland, Ore, Jan. 29, 28; m. 51; c. 4. PSYCHOLOGY. B.S. Oregon, 49, M.Ed. 53, D.Ed.(spec. ed, psychomet, statist), 56. Teacher, pub. schs, Ore, 51-52, dir. spec. ed, 53-54; asst. ed, Oregon, 54-55; dir. spec. ed, pub. schs, 55-57; asst. prof. psychol, Ore. Col. Ed, 57-61; assoc. prof. SPEC. ED, Colo. State Col, 61-63; ASSOC. PROF, GEORGE PEABODY COL, 63-; SR. SCIENTIST, INST. MENT. RETARDATION & INTEL. DEVELOP, 63- Mem. Coun. Except. Children. U.S.N.,

45-46, 50-51, Res. 51-, Lt. Psychol. Asn; Asn. Ment. Deficiency. Test construction and validation; remedial reading; special education and teaching machines. Publ: Colorado Braille battery, Am. Printing House for Blind, 68; Peabody Rebus reading program, Am. Guid. Serv. Inc, 67; Experimental prognostic test for remedial readers, J. Ed. Psychol. Address: George Peabody College, Box 163, Nashville, Tenn. 37203.

WOODCOCK, ROBERT L(INDSAT), Econ, see 10th ed, Soc. & Behav. Vols.

WOODELL, PROF. M(ARSHALL) E(LTON), b. La Grande, Ore, Mar. 20, 11; m. 33; c. 3. SOCIAL SCIENCE. B.A., Linfield Col, 35; M.A., Oregon, 37; Ed.D.(ed. & polit. sci.), Oregon State, 54. Registr. & exec. secy, SOUTH OREGON COL, 39-46, dean men & assoc. prof. SOC. SCI, 46-53, PROF, 54-, DIR. GRAD. STUDIES, 61- U.S.N, 43-46, Comdr. Political science. Address: 650 Leonard St, Ashland, Ore. 97520.

WOODEN, PROF. RALPH L(EE), b. Columbus, Ohio, Mar. 29, 15; m. 40; c. 2. EDUCATION. B.S., A&T State, 38; M.S., Ohio State, 46, Ph.D.(ed), 66; Va. State Col, summer 58. Teacher, high sch, N.C., 38-39, 40-41; lab. technician, North Carolina, Greensboro, 39-40; Instr. propeller, U.S. Air Forces Tech. Training Command, 41-43; assoc. prof. indust. arts, A&T STATE, 47-49, PROF. ED, 50- Participant teacher ed. conf, N.C. Col. Durham, 68. U.S.A.A.F., 43-45. Audiovisual education. Publ: Audiovisual manual, A&T State Univ, 59. Address: Dept. of Education, A&T State University, Greensboro, N.C. 27411.

WOODHOUSE, DR. CHASE GOING, b. Victoria, B.C. ECONOMICS, GOVERNMENT. B.A., McGill, 12, M.A., 13; Berlin, 13-14; fel, Chicago, 15-17; LL.D., Alfred, 48, Allegheny Col, 49, Hartford, 67. Instr. econ, Smith Col, 17-18, asst. prof, 18, assoc. prof, 20-25; sr. economist, bur. home econ, U.S. Dept. Agr, 25-28; personnel dir, Woman's Col, North Carolina, 28-34; prof. econ, Conn. Col, 34-46; managing dir, Inst. Women's Prfnl. Rels, 28-46; congresswoman from Conn, U.S. House of Reps, 44-46, 48-50; consult, Off. Price Stabilization, 51-53; DIR. SERV. BUR, BEATRICE FOX AUERBACH FOUND, 53- Secy. of state, Conn, 41-43. Consult, nat. roster sci. & specialized personnel, U.S. Mil. Govt. Germany. Mem, New Eng. Gov. Res. Cmt, 62-; Gov. Cmt. Libraries, 62-65; State Cmt. Unemploy. Compensation, Conn, 62-65; pres, Nat. Coun. Serv. to Int. Visitors, 65; mem. exec. cmt, Asn. Library Bds, 65-; mem, Gov. Clean Water Task Force, 66-67; chmn, Gov. Cmt. Status of Women, 66-; mem. adv. coun, Dept. Community Affairs, 67- Socio. Asn. Women's work and education; labor problems; economics of consumption. Publ: Ed. Conversing with our international visitors, Serv. Bur. Women Orgn, 65. Address: R.D. 1, Baltic, Conn. 06330.

WOODIN, DR. MARTIN DWIGHT, b. Sicily Island, La, July 7, 15; m. 39; c. 3. AGRICULTURAL MARKETING. B.S., La. State, 36, fel, 36-37; M.S., Cornell, 39, Gen. Ed. Bd. fel, 40-41, Ph.D.(mkt), 41; Northwestern, 42. Res. supvr, exp. sta, La. State, 36; asst, Cornell, 37-41; asst. prof. agr. econ, LA. STATE, 41-42, assoc. prof. agr. mkt, 46-50, prof, 50-56, head dept, 56-58, dir. res. instr, col. agr, 59-60, dean at Alexandria, 60-62, EXEC. V.PRES, UNIV, 62- Sugar indust. consult, Mutual Security Agency & Chinese Nat. Govt, 52; rural-urban planning consult, 50- U.S.N, 42-46, Lt. Mkt. Asn; Agr. Econ. Asn. Price analyses, marketing efficiency and related economics; rural-urban planning. Address: Louisiana State University, Baton Rouge, La. 70803.

WOODLEY, DR. W(ILLIAM) JOHN R(ICHARD), b. Can, Nov. 18, 23; m. 46; c. 1. ECONOMICS. B.A., Saskatchewan, 45; M.A., Toronto, 46; Ph.D.(econ), Cornell, 49. Res. economist, INT. MONETARY FUND, 48-52, economist, 55-57, dir. chief, multiple currency practices div, 57-66, DEP. DIR. ASIAN DEPT, 66- Economist, NATO, 52-55; vis. lectr, sch. adv. int. studies, Hopkins, 66- International finance and trade; general economic theory. Publ: Use of special exchange rates for transactions with foreign companies & Exchange measures in Venezuela, 64, Int. Monetary Fund Staff Papers; Some institutional aspects of exchange markets in less developed countries, In: Functioning of exchange markets, Univ. Chicago, 68. Address: 19th & H St. N.W., Washington, D.C. 20431.

WOODMANSEE, DR. JOHN JAY, b. Chicago, Ill, Dec. 22, 31; m. 61; c. 2. PSYCHOLOGY. B.A., Westminster Col, 58; M.A., Denver, 62; Ph.D.(soc. psychol), Colorado, 65. Exec. dir, univ. YMCA, Denver, 56-62; ASST. PROF. PSYCHOL, WAKE FOREST, 65- Res. assoc, inst. behav. sci, Colorado, summer 66. U.S.A.F., 51-55. AAAS; Psychol. Asn; Soc. Psychol. Study Social Issues. Research in measurement and modification of controversial social attitudes; identification of dimensions of teaching effectiveness. Publ: Methodological problems in pupillographic experiments, Proc. Am. Psychol. Asn, 66; co-auth, Dimensions of verbal racial attitudes: their identification and measurement, J. Personality & Soc. Psychol, 67; The pupil response as a measure of social attitudes, In: Attitude measurement, Rand-McNally, 69. Address: Dept. of Psychology, Wake Forest University, Winston-Salem, N.C. 27109.

WOODRING, PROF. PAUL D(EAN), b. Delta, Ohio, July 16, 07; m. 38. PSYCHOLOGY. B.S., Bowling Green State, 30, L.H.D., 65; M.A., Ohio State, 34, Ph.D.(psychol), 38; L.H.D., Kalamazoo Col, 59; D.Pd., Coe Col, 60; L.L.D., Ripon Col, 63, Portland, 66. Clin. psychologist, Detroit Criminal Courts, 37-39; prof. PSYCHOL, WEST. WASH. STATE COL, 39-62, DISTINGUISHED SERV. PROF, 62-, interim pres, 64-65. Spaulding lectr, Yale & Bird lectr, Occidental Col, 58. Consult, Fund Adv. Ed, 56-; study teacher ed, Carleton Col, 56; univ. surv, Pennsylvania, 56-57; ed. adv, Ford Found, 58- Ed. education suppl, Saturday Rev, 60-65, ed. at large, 65- Dipl. Am. Bd. Exam. Prfnl. Psychol. U.S.A., 42-46, Lt. Col. Fel. Psychol. Asn. Directional orientation in human beings; problems of higher education. Publ: New directions in teacher education; co-auth, American education today, 63 & auth, The higher learning in America: a reassessment, 68, McGraw. Address: 1512 Knox Ave, Bellingham, Wash. 98225.

WOODRUFF, DR. A(RCHIBALD) M(ULFORD), b. Newark, N.J., July 30, 12; m. 40; c. 4. LAND ECONOMICS. B.A., Williams Col, 33; Berlin, 35; Ph.D., Princeton, 36. Asst. to gen. mgr, Prudential Ins. Co, 36-50; prof. land econ, Pittsburgh, 50-59, dir. bur. bus. res, 54-59; dean sch. govt, bus. & int.

affairs, George Washington, provost, HARTFORD, 64-67, CHANCELLOR, 67- Dir, Phoenix Mutual Life Ins. Co, Soc. Savings, Conn. Gen. Mutual Fund. & Lincoln Found; chmn. bd. trustees, Tarkio Col, 63-68. V.chmn, Allegheny County Planning Cmn, 56-59; chmn, Nat. Capital Planning Cmn, 60-61, mem, 60-65. Econ. Asn. Urban planning; economics of small firms; land economics, including land reform in developing countries. Publ: Books, articles and monographs on land economics. Address: 40 Terry's Plain Rd, Simsbury, Conn. 06070.

WOODRUFF, PROF. A(RNOLD) BOND, b. Columbus, Ohio, Sept. 15, 20; m. 41; c. 6. PSYCHOLOGY. B.A., Olivet Nazarene Col, 41, B.Th., 42; M.A., Ohio State, 48, Ph.D., 51. Asst. instr, Ohio State, 49-50; asst. prof. PSYCHOL, Olivet Nazarene Col, 50-51, assoc. prof, 51-54, prof, 54-57, chmn. dept, 50-57, chmn. div. ed. & psychol, 51-57; res. scientist, HumRRO, Ft. Knox, Ky, 57-59; lectr, Louisville, 57-59; PROF. & HEAD DEPT, NORTHERN ILLINOIS, 59- U.S.A., 45-47, Capt. Psychol. Asn. Psychology of learning; perception; motivation. Publ: Co-auth, Effect of restricted visual experience on perception, Am. Psychologist; An improved series of firing tables for the tank gunner & Job descriptions of armor maintenance personnel at the organizational level: mechanics and supervisors. Address: Dept. of Psychology, Northern Illinois University, DeKalb, Ill. 60115.

WOODRUFF, PROF. ASAHIEL D(AVIS), b. Salt Lake City, Utah, Oct. 21, 04; m. 30; c. 2. EDUCATIONAL PSYCHOLOGY. B.S., Brigham Young, 36, M.S., 37; Ph.D.(ed. psychol), Chicago, 41. Dir, Latter Day Saints Inst, Ogden, Utah, 41-42; instr, Cornell, 42-44, asst. prof, 44-46, assoc. prof, 46-47, prof, 47-49; prof. psychol. & dean grad. sch, Brigham Young, 49-52; assoc. dir, Human Resources Res. Off, Wash, D.C., 52-54; dean col. ed, Brigham Young, 54-60; UTAH, 60-66, PROF. ED. PSYCHOL, BUR. ED, 66- Consult, Nat. Art Ed. Asn, D.C., 66; aesthetic ed. proj, Ohio State, 67; Five Dist. Curriculum Develop. Proj, Salt Lake City, 67. Psychol. Asn. Educational psychology; curriculum theory. Publ: The use of concepts in learning and teaching; Discipline, In: Encyclopedia of educational research; Cognitive models of instruction, In: Instruction; contemporary viewpoints, Chandler Pub, 67. Address: 485 N. Hills Dr, Salt Lake City, Utah 84103.

WOODRUFF, PROF. JAMES F, b. Detroit, Mich, Feb. 11, 20; m. 49; c. 4. GEOGRAPHY. Ph.D.(geog), Michigan, 52. Asst. prof. geog, Georgia, 52-56; San Diego State Col, 56-60; assoc. prof. geog. & geol, grad sch, GEORGIA, 61-64, PROF. GEOG, 64- U.S.A.A.F., 42-45, 1st Lt. Asn. Am. Geog; Geol. Soc. Geomorphology and historical geography. Address: Dept. of Geography, University of Georgia, Athens, Ga. 30602.

WOODRUFF, DR. JOHN HERBERT, Int. Law, Govt, see 10th ed, Soc. & Behav. Vols.

WOODRUFF, DR. LLOYD W(ILBUR), b. Polo, Ill, Apr. 16, 21; m. 50; c. 2. POLITICAL SCIENCE, ECONOMICS. B.A., South Dakota, 43; M.S., Denver, 47; Ph.D., Minnesota, 57. Res. assoc. polit. sci, Minnesota, 47-50; asst. dir, bur. govt, Wisconsin, 50-57; pub. admin. adv, Mich. State Univ, Saigon, 57-61; dir. res. & planning, State Tax Dept, Minn, 61-66; EXTEN. SPECIALIST PUB. ADMIN, INST. GOVT. AFFAIRS, CALIFORNIA, DAVIS, 66-, ASST. DIR. RELS. GOVT. AGENCIES, 68- U.S.A., 43-46, Capt. Polit. Sci. Asn; Soc. Pub. Admin. Public administration and finance; technical assistance. Publ: Study of a Vietnamese rural community: administrative activity; Local administration in South Vietnam. Address: Institute of Governmental Affairs, University of California, Davis, Calif. 95616.

WOODRUFF, RALPH S(UTHERLAND), b. Grand Island, Nebr, June 27, 16; m. 40; c. 3. STATISTICS. A.B., Nebraska, 38, M.A., 40. Statistician, crop reporting serv, U.S. Dept. Agr, 40-46; SAMPLING EXPERT, U.S. BUR. CENSUS, 46-, ASST. CHIEF, BUS. DIV, 60-, chief statist, methods br, 53-60. Fel. Statist. Asn. Business sampling. Publ: Confidence intervals for medians and other position measures, 12/52, The use of rotating samples in the census bureau's monthly surveys, 6/63 & Use of a regression technique to produce area breakdowns of the monthly national estimates of retail trade, 6/66, Am. Statistical J. Asn. Address: 7308 Lois Lane, Lanham, Md. 20801.

WOODRUFF, PROF. RUTH J(ACKSON), b. Scranton, Pa, Dec. 21, 98. ECO-NOMICS. A.B., Bryn Mawr Col, 19, A.M., 20; Ph.D., Radcliffe Col, 31. Assoc. prof. econ, NEW HAMPSHIRE, 31-56, dean women, 31-53, prof. ECON, 56-67, EMER. PROF, 67- Vis. prof, American Univ. Cairo, 63-64. Econ. Asn. Industrial history and occupations; comparative economic systems. Address: Font Hill Dr, Apt. F5, Doylestown, Pa. 18901.

WOODS, PROF. CARTER A(LBERT), b. Brandon, Vt, June 30, 07; m. 31; c. 2. SOCIOLOGY, ANTHROPOLOGY. A.B., Dartmouth Col, 28; univ. fel, Yale, 28-30, Page scholar, 30-31, Ph.D.(sociol), 31. Instr. SOCIOL, WELLS COL, 31-34, asst. prof, 34-38, assoc. prof, 38-41, PROF, 41-, CHMN. DEPT. ECON. & SOCIOL, 57- Assoc. Auburn Community Col, 55; summer, assoc. prof, Western Reserve, 39, 40. Mem. pub. panel, Nat. War Labor Bd, N.Y., 43-45. Acad. Polit. & Soc. Sci; Sociol. Asn. Cultural areas of American Indians; prehistoric cultures of New York State; Negro matricentric family. Publ: Pre-Iroquoian cultures of New York State; Studies in Sci. of Soc; Kinship, race and ethnic groups, Introd. to Sociol; Becoming a member of society, Introd. to Soc. Sci. Address: Dept. of Economics & Sociology, Wells College, Aurora, N.Y. 13026.

WOODS, DR. ELIZABETH L(INDLEY), Psychol, see 10th ed, Soc. & Behav. Vols.

WOODS, DEAN ELSWORTH P(ETER), b. Estherville, Iowa, Aug. 4, 12; m. 36; c. 3. POLITICAL SCIENCE. B.A., Iowa, 36, M.A., 39, Ph.D., 49. Instr. soc. sci, Drake, 46-47; polit. sci, Iowa, 47-49; from asst. prof. to prof, West. Mich. Col, 49-55, head basic studies fel, 53-55; DEAN LIBERAL ARTS, DRAKE, 55- Carnegie teaching fel, Harvard, 52-53. U.S.N, 43-46, Lt. Polit. Sci. Asn. American government; international organization & politics. Publ: Contrib. Problems of European recovery program, Mich. Acad. Sci, Arts & Letters Yearbook; General education and religion, Issues in Relig. & Teacher Training. Address: College of Liberal Arts, Drake University, 25th & University St, Des Moines, Iowa 50311.

- WOODS, SISTER FRANCES JEROME, C.D.P., b. Guthrie, Okla., Jan. 4, 13. SOCIOLOGY. A.B. Our Lady of the Lake Col., 40; M.A. Catholic Univ., 45, Ph.D. (sociol.), 49. PROF. sociol. & polit. sci. OUR LADY OF THE LAKE COL., 48-57, SOCIOL., 57-, v.pres., 64-67. Nat. Inst. Health res. grant, 62-65; Comput. Simulation Psychol. & Soc. Processes res. grant, 65. Summers, vis. lectr., Catholic Univ., 57, Ursuline Col., Western Ontario, 58, Fordham, 60. Consult., Hogg Found., Texas, 59-61; Community Welfare Coun. & Pub. Housing Authority, San Antonio, 59-60; Nat. Inst. Ment. Health Clin. Res. Center, 65- Fel. Sociol. Asn.; Anthropol. Asn.; Nat. Coun. Family Relis; Soc. Sci. Study Relig. Ethnic relations, family; sociology of religion. Publ: Cultural values of American ethnic groups, 56, American family system, 59 & Introductory sociology, 66, Harper. Address: Dept. of Sociology & Psychology, Our Lady of the Lake College, San Antonio, Tex. 78207.
- WOODS, DR. JAMES E(DWARD), b. St. Paul, Minn., Oct. 12, 11; m. 60; c. 1. PSYCHOLOGY. B.A., Minnesota, 52, M.A., 54; U.S. Off. Voc. Rehab. fel., Illinois, 57-58, univ. fel., 57-59, Ed.D. (counseling), 62. Res. psychologist, Ferguson Falls State Hosp., Minn., 53-54; test technician, State Employ. Security, Minn., 54-55; counseling psychologist, Voc. Guid. Serv., 55-56; clin. psychologist, Manteno State Hosp., Ill., 56-57; asst. ed. & counseling, Illinois, 59-60; chief psychologist, rehab. unit, med. center, North Dakota, 60-62; asst. prof. REHAB. COUNSELING, STATE UNIV. N.Y., BUFFALO, 62-66, ASSOC. PROF., 66- Consult., Soc. Security Admin., 62-; Joint Cmn. Correctional Manpower & Training, 67. Joint submt. chmn. alcoholism proj., Community Welfare Coun. Buffalo & Erie County, 64-66. Psychol. Asn.; Personnel & Guid. Asn.; Am. Rehab. Counseling Asn. (secy., 66-68); Nat. Coun. Measurement in Ed.; Ed. Res. Asn. Questionnaires; interest inventories; tests; counseling and psychotherapy; philosophy of science; pattern analysis; public offender; alcoholism. Publ: Role of the counselor, In: Total rehabilitation of epileptics; co-auth., A comparison of IQ scores on the Beta and the Wechsler adult intelligence scale, Rehab. Counseling Bull., 63; auth., A psychologist in a rehabilitation center, Rehab. Record, 64. Address: Faculty of Educational Studies, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- WOODS, PROF. JARRETT E., b. Stockdale, Tex., Dec. 4, 15; m. 43; c. 2. BUSINESS ADMINISTRATION. B.B.A., Texas, Austin, 37, Ph.D. (bus. admin.), 61; M.B.A., Houston, 51. Coordinator dist. ed. high sch., Tex., 41-42; mgr., C.H. Woods Dry Goods, Tex., 45-48; owner & mgr., Woods IGA Store, Tex., 48-56; asst. prof. bus., West Texas State, 56-59; prof., Tex. Wesleyan Col., 59-62; PROF. BUS. & CHMN. DIV. BUS. & CHMN. DEPT. BUS. ADMIN., TRINITY (TEX.), 62- Consult. econ. anal. bd., San Antonio Chamber Commerce, 66-; location consult., bank & savings & loan asn., 66-67; consult. monitoring cmt., San Antonio Manpower Develop. Coun., 67- Sig. C., U.S.A., 42-45, Res., 45-, Lt. Col. Admin. Mgt. Soc. Mkt. Asn. Marketing and management; locational analysis and market area studies of retail and financial institutions. Address: Dept. of Business Administration, Trinity University, Box 403, San Antonio, Tex. 78212.
- WOODS, JOHN KENNETH, b. Winnipeg, Man., Dec. 3, 31; m. 54; c. 2. GEOGRAPHY. B.A., Western Ontario, 53, M.A., 55. Teacher geog., Wheable Sec. Sch., 57-64; HEAD DEPT. GEOG., OAKRIDGE SEC. SCH., 64- Counsr., Ont. Geog. Teachers Asn., 64-67. R.C.A.F.R., 50-57, Lt. Can. Asn. Geog. Secondary school geography textbooks. Publ: Co-auth., Geography for Canadians, 60 & 2nd ed., 65, The modern commonwealth, 63 & The Southern continents, 65, McGraw. Address: 97 Hunt Village Crescent, London, Ont., Can.
- WOODS, DR. KENNETH F., Latin Am. Hist., see 5th ed., Dir. Am. Scholars, Vol. I, Hist.
- WOODS, PROF. PAUL J(OSEPH), b. Newark, N.J., Oct. 11, 30; m. 54; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S., Union Col., 52; M.S., Connecticut, 53, Ph.D. (psychol.), 57. Asst. PSYCHOL., Connecticut, 53-56, instr., 56-57; asst. prof., HOLLINS COL., 57-61, assoc. prof., 61-67, PROF., 67- AAAS; Psychol. Asn.; Psychonomic Soc. Learning and the scaling of aversive stimuli. Publ: Co-auth., Instrumental escape conditioning in a water tank: effects of constant reinforcement at different points on the continuum of drive stimulus intensity, 62: 403-408 & The relative aversiveness of white noise and cold water, 64: 493-495, J. Comp. Physiol. Psychol.; auth., Performance changes in escape conditioning following shifts in the magnitude of reinforcement, J. Exp. Psychol., 75: 487-491. Address: Dept. of Psychology, Hollins College, Hollins College, Va. 24020.
- WOODS, PROF. RICHARD S(EAVEY), b. Albion, N.Y., Mar. 1, 19; m. 45; c. 4. ACCOUNTING, BUSINESS ADMINISTRATION. A.B., Rochester, 41; M.B.A., Pennsylvania, 47, Ph.D. (econ.), 57. Teacher, high sch., N.Y., 41-42; instr. ACCT., WHARTON SCH. FINANCE & COMMERCE, PENNSYLVANIA, 47-52, asst. prof., 52-58, assoc. prof., 58-64, PROF. & CHMN. DEPT., 64-, acting chmn. dept., 61-62. U.S.N.R., 42-46, Lt. Econ. Asn.; Am. Acct. Asn.; Inst. Mgt. Sci. Accounting policies and practices; income determination; audit of digital computer systems; structure of accounting systems; information processing and control. Publ: Co-auth., Accounting systems and data processing; auth., Development of auditing standards and techniques for electronic data processing systems, N.A.A. Bull., 9/61; Some dimensions of integrated systems, Acct. Rev., 7/64. Address: Dept. of Accounting, University of Pennsylvania, W-280 Dietrich Hall, Philadelphia, Pa. 19104.
- WOODS, DR. WALTER A., b. Lingle, Wyo., Jan. 16, 15; m. 55. PSYCHOLOGY. A.B., Wyoming, 37; M.A., Syracuse, 42; Ph.D. (psychol.), Columbia, 52. Counseling psychologist, Stevens Inst. Tech., 46-47; res. psychologist & instr., Pratt Inst., 47-51; asst. prof. psychol., Ft. Hays State Col., 52; assoc. prof., Richmond Prfl. Inst., 52-55; consult. & res. psychologist, Nowland & Co., 55-61; PRES., CONSULTS. IN CONSUMER RES., INC., 62-; ISLAND MATRIX CORP., 67- Consult., Personnel Lab., 51. Private practice, 61- Mem., Inter-Soc. Color Coun. U.S.N.R., 42-46, Lt. Psychol. Asn. Political behavior; consumer behavior; color; personality. Publ: Personality through color, Ment. Health in Va.; Employee attitudes and their relation to morale, J. Appl. Psychol.; Psychological dimensions of consumer behavior, J. Mkt. Address: 22 Pine Cone Lane, Sparta, N.J. 07871.
- WOODSON, WESLEY E(DWARD), b. Hutchinson, Kans., Nov. 18, 18; m. 41; c. 4. HUMAN FACTORS ENGINEERING. B.A., Southwest Col. (Kans.), 41. Physiol. psychologist, U.S. Navy Elec. Lab., 46-56; specialist human factors, Gen. Dynamics Convair, 56-61; supvr., Gen. Dynamics Astronaut, 61-66; PRES., MAN FACTORS, INC., 68- Human Factors Soc. (v.pres., 60-61); Inst. Aeronaut. & Astronaut. U.S.A., 41-45, Capt. Engineering psychology; human performance research; ergonomics; anthropometrics and man-machine systems analysis as applied to systems and equipment definition and design. Publ: Human engineering guide for equipment designers, 1st ed., 54 & co-auth., 2nd ed., 64, Univ. California; co-auth., Industrial electronics handbook, McGraw, 58. Address: 1300 Hacienda Dr., El Cajon, Calif. 92020.
- WOODWARD, DR. DONALD P(ATRICK), b. Williamsville, N.Y., Sept. 19, 25; m. 47; c. 4. PSYCHOLOGY. Ph.D. (psychol.), Buffalo, 54. Res. fel. psychol., Buffalo, 49-54, dir. work-study training prog., 54-55; from instr. to asst. prof. psychol., Akron, 55-58; mem. staff, Goodyear Aircraft Corp., Ohio, 58-60; sr. design analyst, Martin Co., Md., 60-64, chief human factors sect., 64-67; ASST. HEAD PHYSIOL. PSYCHOL. BR., OFF. NAVAL RES., 67- U.S.N., 43-46. AAAS; Psychol. Asn. Learning; motivation; physiological psychology. Address: Office of Naval Research, Code 454, Washington, D.C. 20360.
- WOODWARD, PROF. JOHN C(ALVIN), b. Beatrice, Nebr., Apr. 25, 24; m. 50; c. 2. EDUCATIONAL PSYCHOLOGY. B.A., Doane Col., 50; M.A., Nebraska, 53, Ph.D. (ed. psychol. & measurement), 57. Instr., high sch., Nebr., 50-53, head sci. dept., 53-54; instr. reading improvement & counseling, Nebraska, 54-56, instr. ed. psychol. & asst. dir., jr. div., 56-57; asst. prof. ed. psychol., San Jose State Col., 57-60, assoc. prof., 60-63; dir. eval., Miami (Fla.), 63-66; PROF. HUMAN DEVELOP. & FAMILY LIFE & CHMN. DEPT. HUMAN DEVELOP. & THE FAMILY, NEBRASKA, 66- Res. statistician, U.S. Off. Ed. Proj., 59- Summer instr., Omaha, 54. U.S. Off. Ed. res. proj. consult., 65-; State Farm Ins. Co. regional ed. consult., 66- U.S.A.A.F., 42-46, Sgt. Psychol. Asn. Educational measurement; critical thinking concerning human relations; loneliness and solitude. Publ: Co-auth., The amateur psychologist's dictionary, ARC Books, 66; auth., Administering standardized exams, In: Av instruction; co-auth., Profile of the poor writer, In: Research in the teaching of English, 67. Address: 610 Hazelwood Dr., Lincoln, Nebr. 68510.
- WOODWORTH, DR. DONALD G., b. Willows, Calif., May 23, 24; m. 47; c. 4. PSYCHOLOGY. A.B., San Jose State Col., 50; Ph.D. (psychol.), California, Berkeley, 64. Teaching asst. psychol., California, 51-52, res. asst., 52-53, res. psychologist, 53-60; psychologist, STANFORD RES. INST., 61-65, BEHAV. SCIENTIST, 65- U.S.A., 43-45; U.S.A.F.R., 50-64. Human effectiveness and creativity; human resource development; international economic development; social problems and delinquency; problems of unemployment. Address: Stanford Research Institute, Menlo Park, Calif. 94025.
- WOODWORTH, PROF. (GEORGE) WALTER, b. Delphos, Kans., Mar. 1, 03; m. 26. ECONOMICS. A.B., Kans. Wesleyan, 24, hon. D. Bus. Admin., 50; M.A., Kansas, 25; Ph.D., Michigan, 32. Instr. econ., Michigan, 24-30; asst. prof. FINANCE, Dartmouth Col., 30-38, PROF., 38-52; sch. bus. admin., Michigan, 52-59; col. commerce & bus. admin., Illinois, 59-62; AMOS TUCK SCH. BUS. ADMIN., DARTMOUTH COL., 62- Econ. Asn.; Finance Asn. Business administration; money and banking; investments. Publ: Monetary and banking system; The money market and monetary management, Harper, 65; Management of cyclical liquidity of commercial banks, Bankers, 67. Address: Amos Tuck School, Dartmouth College, Hanover, N.H. 03755.
- WOODWORTH, PROF. JAMES R(ICHARD), b. Lakewood, Ohio, Nov. 18, 18; m. 42; c. 2. POLITICAL SCIENCE. B.A., Western Reserve, 40; M.A., Harvard, 48, Ph.D. (polit. sci.), 56. Instr. govt., MIAMI (OHIO), 48-50, asst. prof., 51-52, assoc. registrar, 52-56, asst. prof. soc. studies, 56-60, assoc. prof. & dir. honors prog., 60-63, PROF. GOVT., 63-, CHMN. DEPT., 65-, acting chmn., 63-65. Field staff rep., Pub. Admin. Serv., Chicago, 64. U.S.A.A.F., 41-45, T/Sgt. Polit. Sci. Asn.; Soc. Pub. Admin. Comparative food and drug regulatory programs; interest aggregation as a factor in regulatory program quality. Publ: Co-auth., Report of public administration service on study of state and local food and drug programs, U.S. Dept. Health, Ed. & Welfare, 5/65; auth., Newer grant-in-aid concepts: the case of food and drug programs, Pub. Admin. Rev., 6/66; Food and drug regulatory programs in England, Wales and Scotland, Food, Drug, Cosmetic Law J., 11/67. Address: 116 E. Central Ave., Oxford, Ohio 45056.
- WOODWORTH, DR. LAURENCE N., b. Loudenville, Ohio, Mar. 22, 18; m. 40; c. 4. ECONOMICS. A.B., Ohio Northern, 40, M.S., Denver, 42; Ph.D., N.Y. Univ., 60; hon. Dr., Juniata Col., 64, Ohio Northern, 65. Statistical analyst, Civic Res. Inst., Kansas City, 42-43; Tax Found., New York, 43-44; economist, JOINT CONG. CMT. INTERNAL REVENUE TAXATION, 44-64, CHIEF OF STAFF, 64- Mayor, City of Cheverly, 59-65; pres., Md. Munic. League, 63-64. Econ. Asn.; Soc. Pub. Admin. Public finance; federal taxation. Address: 2810 Crest Ave., Cheverly, Md. 21620.
- WOODWORTH, DR. ROGER CHARLES, b. Durham, N.H., Jan. 20, 25; m. 50; c. 3. AGRICULTURAL ECONOMICS. A.B., New Hampshire, 48; M.S., Iowa State Col., 51, Ph.D. (agr. econ.), 54. Asst. prod. econ., Iowa State Col., 49-50, 52-53, agr. economist, 50-52; asst. agr. economist, Georgia, 53-58, assoc. agr. economist, 58-61; agr. economist, TENN. VALLEY AUTHORITY, 61-62, chief, agr. econ. br., div. agr. develop., 62-67, STAFF AGR. ECONOMIST, OFF. DIR. AGR. DEVELOP., 67- U.S.N., 43-46. Agr. Econ. Asn. (award, 55); Int. Conf. Agr. Econ. Production economics; farm adjustments research methodology; general agricultural economics; economic theory. Publ: Profitable use of fertilizer in the production of coastal bermuda in the coastal plain area of Georgia; New procedures in estimating feed substitution rates and in determining economic efficiency in pork production; solution to the problem of low income in the South: farm reorganization, J. Farm Econ. Address: F112A NFDC, Tennessee Valley Authority, Muscle Shoals, Ala. 35660.
- WOOFER, DR. T(HOMAS) J(ACKSON), Sociol., Econ., see 10th ed., Soc. & Behav. Vois.
- WOOL, DR. VERA L(EVI), b. Cincinnati, Ohio, Dec. 25, 18; m. 47; c. 5. CLINICAL PSYCHOLOGY. B.S., Cincinnati, 40, M.A., 41, Ph.D. (clin. psychol.), 43. Psychologist, Worcester Child Guid. Clin., Mass., 43-45, chief

psychologist, 45-47; clin. psychologist, Vet. Admin. Hosp, Bedford, 47-48, chief clin. psychologist, Temple, Tex, 48-50; PRACTICING CLIN. PSYCHOLOGIST, 50- Vis. lectr, Southern Methodist, 48-50; trainee supvr, Vet. Admin. Tex, 48-50; clin. psychologist, County Ment. Health Clin, Montgomery, 55-58. Consult, Methodist Children's Home, Ala, 57; State Bd. Corrections, Ala, 67. Dipl. Am. Bd. Exam. Prfnl. Psychol, 61. Fel. Psychol. Assn; fel. Orthopsychiat. Assn. Diagnostic psychological testing; psychotherapy with children and adults; parent-child relationships. Address: 3452 Bankhead Ave, Montgomery, Ala. 36111.

WOOLDRIDGE, PROF. ELIZABETH T (AYLOR), Math, Ed. Psychol, see 11th ed, Phys. & Biol. Vols.

WOOLF, DR. BERTIE H (AROLD) R (EGINALD), b. London, Eng, May 24, 16; m. 41; c. 1. PSYCHOLOGY, MEDICAL STATISTICS. A.B. George Washington, 52, M.A. 57, Ph.D. (psychol), 62. Pub. health analyst air pollution med. prog, U.S. PUB. HEALTH SERV, 58-60, health statist, perinatal res. proj, Nat. Inst. Neurol. Diseases & Blindness. NAT. INSTS. HEALTH. 60-62, anal. & eval. sect, DIV. RES. GRANTS, 62, HEALTH SCIENTIST ADMINSTR, 62- AAAS; Psychol. Assn; Statist. Assn; Pub. Health Assn. Public health methods; social sciences; higher mental processes. Address: Developmental Behavioral Sciences Study Section, Division of Research Grants, National Institutes of Health, 2A18 Westwood Bldg, Bethesda, Md. 20014.

WOOLF, PROF. DONALD AUSTIN, b. Kirksville, Mo, July 9, 30; m. 56; c. 2. MANAGEMENT. B.S. Kansas State, 52; cert, Northeast Mo. State Teachers Col, 52; Upson fel, Wayne State, 53-54, M.P.A. 57; scholar, Cornell, 54. Found. Econ. Ed. fel, 61, Ph.D. (mgt), 63. Teacher, high sch, Mo, 52-53; asst. pub. admin, Citizens Res. Coun, Mich, 53-54; Kans. Legis. Coun, 55-56; Cornell, 57-58; asst. prof. mgt, Hofstra Col, 58-62; ASSOC. PROF. MGT, OKLAHOMA, 62- Scholarship, Nat. Training Labs, 66. Consult. labor rels, NASA & Post Off. Dept, 87- Econ. Assn; Indust. Rel. Res. Assn; Acad. Mgt. Government management; community power structure; industrial and human relations; administrative theory. Publ: The management theory jungle revisited, Adv. Mgt. J, winter 65; Problems and issues in negotiations, In: Negotiations in the schools, Oklahoma Univ. Col. Ed, 65; co-auth, Engineers managing engineers: a practicable principle of uncertainty, Petrol. Tech, 3/66. Address: 817 McCall Dr, Norman, Okla. 73069.

WOOLF, DR. GLENN M (ARSELLE), b. Piedmont, Ala, Oct. 31, 25; m. 46; c. 3. PSYCHOLOGY. B.S. South Carolina, 46; M.A. Emory, 48; Ph.D. (psychol), Tennessee, 52. Clin. psychologist, U.S. Naval Hosp, 51-53; Vet. Admin. Med. Teaching Group Hosp, 53-57; psychologist, ROHRER, HIBLER & REPLOGLE, 57-64, PARTNER, 64- Instr. exten. div, Tennessee, 49-57. U.S.N.R., 44-47, Lt.(jg). Psychol. Assn. Personality development and assessment. Address: 3800 Beresford Rd, Charlotte, N.C. 28211.

WOOLF, PROF. HARRY, b. New York, N.Y., Aug. 12, 23; m. 50; c. 4. HISTORY OF SCIENCE. B.S. Chicago, 48, M.A. 49; Boldt fel, 52-53; Fulbright fel, Paris, 52-53; Ph.D. (hist. sci), Cornell, 55. Instr. physics, Boston, 53-55; asst. prof. hist. sci, Washington (Seattle), 55-58, assoc. prof, 58-60, prof, 60-61; prof, HOPKINS, 61-62, WILLIS K. SHEPARD PROF. HIST. SCI, 62- Instr. Brandeis, 54-55. Consult, Univ. Grants Cmn, Govt. of India, 61. Mem. U.S. Nat. Cmt. Int. Union Hist. & Philos. of Sci, 59-63, cor. mem, Int. Acad. Hist. of Sci. U.S.A. 43-46. Fel. AAAS (v-pres, 60); Hist. Sci. Soc. (ed, 1958, 56-); fel. Royal Astron. Soc. History of the physical sciences in the eighteenth and nineteenth centuries. Publ: The transits of Venus; Qualification: a history of the meaning of measurement in the natural and social sciences; Science as a cultural force, Hopkins, 64. Address: Dept. of History of Science, Johns Hopkins University, Baltimore, Md. 21218.

WOOLFOLK, PROF. GEORGE RUBLE, Bus. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WOOLFSON, DR. A. PETER, b. Toronto, Ont, Mar. 14, 36; m. 63; c. 1. ANTHROPOLOGICAL LINGUISTICS. B.A. Toronto, 58, M.A. 61; Ph.D. (anthrop), State Univ. N.Y. Buffalo, 67. Instr. Eng. & anthrop, State Univ. N.Y. Buffalo, 63-66; ASST. PROF. ANTHROP, WAYNE STATE, 66- Ling. Soc. Am; Am. Anthropol. Assn. Ethnolinguistics; structural and historical linguistics. Address: Dept. of Sociology & Anthropology, Wayne State University, Detroit, Mich. 48202.

WOOLIS, DR. ROBERT, Econ, Statist, see 10th ed, Soc. & Behav. Vols.

WOOLLEY, ELLIOTT B, b. Kanab, Utah, Jan. 5, 15; m. 42; c. 2. ECONOMICS, STATISTICS. A.B. Leland Stanford, 37. Jr. economist, U.S. Bur. Budget, 39-42; econ. statistician, War Prod. Bd, 42-45; economist, Fed. Trade Cmn, 45-48; analyst, joint cmt. internal revenue, U.S. Cong, 46-48; ECONOMIST, ANTITRUST DIV, U.S. DEPT. JUSTICE, 48- Statist. Assn. Price, pricing problems, taxation and cost analysis problems; application of economic, statistical and mathematical theory to current business problems and marketing research. Publ: Minimized areas as a criteria for correlation analysis, Econometrica. Address: 833 Laurel Lane, Northbrook, Ill. 60062.

WOOLLEY, DR. HERBERT B (ALLANTYNE), b. Logan, Utah, Nov. 19, 17; m. 40; c. 6. ECONOMICS. A.B. Stanford, 39; Lehman fel, Harvard, 39-42, Soc. Sci. Res. Coun. award, 46-47, Ph.D., 47. Economist, War Prod. Bd, 42-44; U.S. Dept. State, 44-48; dir. trade analysis, Mutual Security Agency, 48-53; dir. world trade proj, Nat. Bur. Econ. Res, New York, 53-66; SR. ECON. ADV. EAST ASIA BUR, AGENCY INT. DEVELOP, 66- Assoc. prof, N.Y. Univ, 58-60; mgr. econ. dept, Calif-Tex. Oil Co, 60-63; Ford Found. consult. & chief adv, Supreme Planning Bd, Kingdom of Saudi Arabia, 63-65. Consult. Adv. Cmt. Hist. Statist. U.S. Soc. Sci. Res. Coun, 57-58; Int. Air Transport Study, 62. Econ. Assn. International economics; economic theory; government and business; econometrics. Publ: Measuring transactions between world areas, Columbia Univ. for Nat. Bur. Econ. Res, 66; Observations on the structure of world trade and payments, World Polit; New patterns, new outlook for world gold, Eng. & Min. J. 10/67. Address: Suite 730, 4921 Seminary Rd, Alexandria, Va. 22311.

WOOLMAN, DR. MYRON, b. Philadelphia, Pa, Jan. 18, 17; m. 41; c. 3. PSYCHOLOGY. B.S. Columbia, 50, M.A. 51, scholar, 51-52, Ph.D. 55. Asst. to Prof. P.M. Symonds, Columbia, 51-52; chief proficiency measurements, McConnell Air Force Base, Kans, 52-58; sr. scientist, HumRRO, George Washington, 58-61, consult, driver behav. res. proj, 61; dir. Inst. Ed. Res, 60-68; PRES. WOOLMAN SYSTS. INC, 68- Prin. investr, Nat. Inst. Ment. Health, 62-; Off. Econ. Opportunity, 65-67. Consult, Bell Tel. Labs, N.J., 59-61; HumRRO, 61-62; Aldiation Electronics Co, Inc, 61-; prin. consult, North. Sys. Inc, Omaha, Nebr. & Prince Edward County Pub. Sch. Proj, 66-67; consult, U.S. Off. Ed, 67- U.S.A.A.F., 42-46, Sgt. AAAS; Psychol. Assn. Basic processes determining perception and learning; test methods, teaching machines, programmatic methods to increase conceptual understanding, reading and performance skills; upgrading the urban ghetto unemployed. Publ: The effect of varying the number of choices in the identification of very similar stimuli, Dissertation Abstracts, 55; Lift off to reading, Sci. Res. Assocs, 66; Education and learning problems of modern society, Spec. Child Pub, 68. Address: 55 E. 86th St, Apt. 14A, New York, N.Y. 10028.

WOOLRYCH, DR. EDMUND H (UMPHRY), b. U.S. Dec. 3, 21; m. 44; c. 4. ECONOMICS. A.B. Principia Col, 43; M.B.A. Harvard, 47; Ph.D. Syracuse, 58. Instr. finance, col. bus. admin, Syracuse, 47-51; sr. analyst, Bankers Trust Co, 55-57; partner, Woolrych, Currier & Carlsen, Calif, 57-59; assoc. prof. bus, California Western, 63-64; LECTR. econ, SAN DIEGO STATE COL, 64-65, finance, 65-67, FINANCE & ECON, 67; DIR. & SECY-TREAS, UNIV. HEALTH CARE & RES. FOUND, INC, 66- Econ. consult, Edmund H. Woolrych Co, 59-, dir, Castech Inc; chmn. bd, Panar Fisheries Corp. U.S.C.G.R., 43-46, Lt. Econ. Assn; Finance Assn. Money and banking; international economics; business development. Publ: Pension funds and their effects on other savings institutions. Address: 736 Stafford Place, San Diego, Calif. 92107.

WOOLSEY, PROF. S (AMUEL) M (ITCHELL), b. Leander, Tex, Jan. 18, 11; m. 36; c. 2. ACCOUNTING. B.A. Texas, 31, M.B.A. 33, Ph.D. (acct), 54; M.B.A. Harvard, 35. Instr. acct, Bowling Green Col. Commerce, 37-42; asst. prof, Bowling Green State, 42-44; assoc. prof, Butler, 44-46; prof, Baylor, 46-47; asst. prof, Texas, 47-54; assoc. prof, Pa. State, 54-57; PROF. ACCT, HOUSTON, 57-, chmn. dept, 60-63. Am. Acct. Assn. Accounting theory; auditing; cost accounting. Publ: Direct costing techniques for industry, Prentice-Hall, 67; Criteria to guide the accountant in judging materiality, J. Accountancy, 2/54; Accounting for investment credit, Acct. Rev, 10/63. Address: 4367 Graduate Circle, Houston, Tex. 77004.

WOOLSEY, THEODORE D (WIGHT), b. Paris, France, Mar. 4, 13; U.S. citizen; m. 38; c. 3. PUBLIC HEALTH. A.B. Yale, 36; Hopkins, 40-42. Spec. agent, div. vital statist, U.S. Bur. Census, 37-38, statistician in charge current mortality sample, 42-44, chief, morbidity statist. sect, 46; statistician, Am. Statist. Assn, 38; jr. statistician, div. vital statist, State Dept. Health, N.Y., 38-40; chief, morbidity statist. sect, nat. off. vital statist, U.S. Pub. Health Serv, 46-47, from chief epidemiol. studies sect. to biostatistician, off. morbidity & health statist, 47-56; asst. dir, U.S. Nat. Health Surv, U.S. Dept. Health, Ed. & Welfare, 56-60, chief, nat. health surv. div, NAT. CENTER HEALTH STATIST, U.S. PUB. HEALTH SERV, 60-63, dep. dir, 63-67, DIR, 67- Ex officio, U.S. Nat. Cmt. Vital & Health Statist, 67- U.S.N.R., 44-46, Lt. Fel. Statist. Assn; fel. Pub. Health Assn; assoc. Biomet. Soc; Pop. Assn. Am; Int. Statist. Inst. Methodology and design of population sample surveys for statistical information on illness, medical care and related subjects. Address: National Center for Health Statistics, U.S. Public Health Service, Dept. of Health, Education & Welfare, Washington, D.C. 20201.

WOOLSTON, DR. MAXINE YAPLE, b. El Dorado Springs, Mo, Sept. 16, 12; wid; c. 2. ECONOMICS. A.B. Stanford, 33, A.M. 34; Ph.D. Harvard, 40. Asst. prof, Vassar Col, 39-41; div. chief, Off. Price Admin. & For. Econ. Admin, Wash, D.C., 42-45; dir. soc. studies, Am. Assn. Univ. Women, 45-46; chief economist, Phila. Planning Cmn, 46-48, consult, 48-52; LECTR. ECON, BRYN MAWR COL, 48- Lectr, Haverford Col; Swarthmore Col. Econ. Assn; Statist. Assn; Inst. Planners. Labor economics; industrial organization; housing and planning; international relations. Publ: Injunctions and the Taft-Hartley Act; Basic information on the American economy; Structure of the Nazi economy. Address: Harts Lane Rd, Conshohocken, Pa. 19428.

WOOTAN, DR. CHARLEY V, b. Junction, Tex, Oct. 9, 26; m. 50; c. 2. TRANSPORTATION ECONOMICS. B.S. Texas A&M, 50, M.S. 51, Ph.D. (agr. econ), 65. Res. asst. livestock mkt, Texas A&M, 51-53; commodity analyst, Indust. Commodity Corp, 53-55; mkt. analyst, West. Livestock Mkt. Cmt, 55-56; assoc. res. economist TRANSPORTATION ECON. DIV, TEX. TRANSPORTATION INST, TEXAS A&M, 56-61, HEAD ECON. RES, 61-, ASSOC. DIR, INST, 65-, PROF. TRANSPORTATION ECON, UNIV, 66- Consult, Nat. Defense Transportation Assn, 57-; Govt. Argentina, 61; hwy. res. bd. proj. cmts, Nat. Acad. Sci-Nat. Res. Coun, 63-; Dominican Repub, 66; nat. defense exec. res. Off. Emergency Transportation, 67- U.S.M.C., 44-48. Opers. Res. Soc. Economic factors and implications in highway safety research. Publ: Changes in land value, land use and business activity along I.H. 45, Austin, Texas, Texas A&M, 60; co-auth, Value of commercial motor vehicle time saved, Hwy. Res. Bd, 64; auth, Factors affecting auction market operating costs, Tex. Agr. Exp. Sta, 66. Address: Texas Transportation Institute, Texas A&M University, College Station, Tex. 77843.

WOOTEN, PROF. ALVIN B (OYD), b. Junction, Tex, Sept. 1, 20; m. 48; c. 4. AGRICULTURAL ECONOMICS. B.A. Texas A&M, 48, M.S. 50, Ph.D. 55. Asst. prof. econ, Arkansas, 52-54; Texas A&M, 54-55; economist mkt, State Agr. Exten. Serv, Tex, 55-60; PROF. AGR. ECON. & CHMN. ECON. SECT, DEPT. AGR. ECON. & SOCIOL, TEXAS A&M, 60- Faculty distinguished achievement teaching award, 64. Sig.C, U.S.A., 42-46, Res, 46-, Capt. Agr. Econ. Assn; Soc. Farm Managers & Rural Appraisers. Development of tools and techniques for converting marginal and sub-marginal agricultural land into outdoor recreational uses. Publ: Inside look at Texas' agricultural industry; co-auth, Yields: agricultural land versus selected securities, J. Am. Soc. Farm Managers & Rural Appraisers, 10/66; Trends in Texas land

Market, Tex. Agr. Exp. Sta., 67. Address: Dept. of Agricultural Economics, Texas A&M University, College Station, Tex. 77843.

WOOTEN, PROF. MATTIE LLOYD, Sociol, see 10th ed, Soc. & Behav. Vols, deceased.

WOOTEN, DR. WILLIAM W, Medieval Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WORBOIS, DR. GREYDON M(ILFORD), b. Greece, N.Y., Aug. 17, 12; m. 35; c. 2. PSYCHOLOGY. B.A., Greenville Col., 35; scholar, Illinois, 35-36; fel. 36-37, M.A., 37; Ph.D.(child psychol), Iowa, 42. Registr. & prof. psychol. & ed, Greenville Col., 37-39; asst. child develop. studies, Iowa, 39-42; IN-DUST. PSYCHOLOGIST, DETROIT EDISON CO, 46- Dipl. Am. Bd. Exam. Prfnl. Psychol. Personnel consult, U.S.A., 42-46. Psychol. Asn. Industrial selection techniques; intellectual and language development of children. Publ: Poor supervisory selection can be costly, Elec. Light & Power; Following through on morale studies, Personnel Psychol; co-auth, Use of tests in the selection of supervisors, Personnel Series. Address: Detroit Edison Co, 2000 Second Ave, Detroit, Mich. 48226.

WORCESTER, DR. DEAN A(MORY), b. Thetford, Vt., Mar. 21, 89; m. 17; c. 3. PSYCHOLOGY. A.B., Colorado, 11, A.M., 21; Ph.D.(ed. psychol), Ohio State, 26. Prof. psychol. New Mexico, 14-18; prin. high sch., Wyo., 18-20; asst. prof. psychol. & dir. bur. ed. measurements & standards, Kans. State Teachers Col., 20-24; instr. psychol., Ohio State, 24-26; assoc. prof., Ohio, 26-27; ED. PSYCHOL., NEBRASKA, 27-28, prof., 28-57, chmn. dept., 34-56, EMER. PROF., 57- Instr. U.S. Army Univ., France, 45-46; vis. prof. ed. & nat. agr. exten. center adv. study, Wisconsin, 57-61; Arizona, 61-65. AAAS; fel. Psychol. Asn. Mental tests; psychology of exceptional children; retention. Publ: Education of children of above average mentality; Introduction to educational measurements. Address: 1050 Arapahoe, Boulder, Colo. 80302.

WORCESTER, PROF. DEAN A(MORY), JR., b. Boulder, Colo., May 1, 18; m. 41; c. 5. ECONOMICS. A.B., Nebraska, 39, A.M., 40; Ph.D., Minnesota, 43. Asst. prof. econ. La. State, 43-45; assoc. prof. mkt., Georgia, 45-46; asst. prof. ECON. WASHINGTON (SEATTLE), 46-51, assoc. prof., 51-66, PROF., 66-, acting chmn. dept., 66-67. Vis. Rockefeller prof., Philippines, 67-69. Mem. staff, State Dept. Pub. Works, La., 45. Econ. Asn. Oligopoly theory. Publ: Monopoly, big business and welfare in postwar United States, Univ. Washington, 67; A reconsideration of rent theory, Am. Econ. Rev., 6/46; Why dominant firms decline, J. Polit. Econ., 8/57. Address: Dept. of Economics, University of Washington, Seattle, Wash. 98105.

WORCESTER, PROF. JANE, Biostatist, see 11th ed, Phys. & Biol. Vols.

WORCHEL, PROF. PHILIP, b. Brooklyn, N.Y., Oct. 12, 14; m. c. 1. PSY-CHOLOGY. B.S., City Coll. New York, 35; M.A., Columbia, 36; Sage scholar, Ph.D.(exp. psychol), Cornell, 47. Intern clin. psychol., Clinton Prison, N.Y., 36-37; clin. psychologist, Fla. State Hosp., 37-40; asst. prof. PSYCHOL., Tulane, 47-48; assoc. prof., TEXAS, AUSTIN, 48-54, PROF., 54- Vis. psychol., Fla. Indus. Sch. Boys, 39-40; asst. naval attache; Am. Embassy, Russia. Consult. Vet. Admin; M.D. Anderson Hosp; Hogg Found; dep. sci. adv. Mil. Assistance Command, Vietnam, 67- Dir. Human Relts. Training Lab, 63- Psychol. Asn. Personality theory. Publ: Ed, Personality change, Wiley, 64; auth, Ideology and reactions to international crises, 67 & Temptation and threat in non-zero sum games, 68, J. Conflict Resolution. Address: Dept. of Psychology, University of Texas, Austin, Tex. 78731.

WORDEN, DR. DON K(ETH), b. Grand Rapids, Mich., Mar. 2, 33; m. 54; c. 3. CLINICAL PSYCHOLOGY. A.B., Western Michigan, 54; Ph.D., Western Reserve, 60. Asst. psychologist, Highland View Cuyahoga County Hosp., Cleveland, Ohio, 55-56; trainee clin. psychol., Crile Vet. Admin. Hosp., 56-57; U.S. Pub. Health Serv. trainee, Univ. Hosps., Cleveland, 57-59; assoc. psychol. & psychiatrist, sch. med., Western Reserve, 58-59, clin. psychologist, ment. develop. center, 59-61; chief psychologist, Southeast. Ohio Guid. Center, 61-64; counsr. & asst. prof., Ohio, 64-65; dir. psychol. dept., Athens State Hosp., 65-68; ASST. PROF. DEPT. PEDIAT. SCH. MED. NEW MEXICO, 68- Psychologist, Cath. Child Guid. Clin., 57-58; instr., Ohio, 61-64, lectr., 67-68. Psychotherapist, 61-68. Psychol. Asn. Psychotherapy and theory on a broad energy-structure and existential basis; change groups, practice and training; institutional structure. Publ: Intelligence of boys with muscular dystrophy, J. Consult. Psychol; co-auth, Intellectual function childhood muscular dystrophy, Pediatrics. Address: Dept. of Pediatrics, School of Medicine, University of New Mexico, Albuquerque, N.Mex. 87106.

WORELL, DR. LEONARD G(EOGE), b. New York, N.Y., Dec. 5, 26; m. 47; c. 2. PSYCHOLOGY. Ph.D.(clin. psychol), Ohio State, 54. Psychologist, Chillicothe Vet. Admin. Hosp. & Columbus Vet. Admin. Ment. Hyg. Clin., 52-54; instr. PSYCHOL., Reed Col., 54-56; asst. prof., Iowa State, 56-59; from asst. prof. to prof., Okla. State, 59-66; PROF. KENTUCKY, 66-. DIR. CLIN. TRAINING, 67-, acting chmn. dept. psychol., 67-68. Soc. Sci. Res. Coun. grant-in-aid, 56. Consult. Vet. Admin, Lexington Clin. Res. Center & Ky. Dept. Ment. Health, 66-. U.S.N., 45-46. Psychol. Asn. Personality theory; psychodiagnosis; psychotherapy. Publ: Achievement motivation and learning, J. Abnorm. & Soc. Psychol; Personality conflict, originality of response and recall, J. Consult. Psychol, 65; Some ramifications of exposure to conflict, In: Progress in experimental personality research, Vol. IV, Academic, 67. Address: Dept. of Psychology, University of Kentucky, Lexington, Ky. 40504.

WORK, DR. HENRY H(ARCUS), Pediat, Psychiat, see 11th ed, Phys. & Biol. Vols.

WORKING, DR. E(LMER) J(OSEPH), b. Colo., May 29, 00; m. 27; c. 2. AGRI-CULTURAL ECONOMICS. B.S.A., Arizona, 21; M.S., Iowa State Col., 22; Minnesota; Brookings Grad. Sch; Ph.D.(econ), Harvard, 52. Asst. Iowa State Col., 22-23; mem. staff, Inst. Econ. D.C., 23-26; assoc. prof. agr. econ., Minnesota, 27-28; sr. agr. economist, bur. agr. econ., U.S. Dept. Agr., 28-35; from assoc. prof. to prof. agr. econ., Illinois, 35-54; chmn. dept., Wash- ington State, 54-65, prof., 54-66; RETIRED. Vis. res. prof., sch. bus, Chi-

cago, 46-47. Consult. economist, Mutual Life Ins. Co, N.Y., 44-45. U.S.A., 18. Econ. Asn; Agr. Econ. Asn.(v-pres, Farm Econ. Asn., 45); fel. Economet. Soc; Statist. Asn. Method of demand analysis; wheat and meat prices and marketing. Publ: Demand for meat; Objectives of economics control, In: Economics, sociology and the modern world; What do statistical demand curves show?, Quart. J. Econ. Address: 5917 E. Fourth St, Tucson, Ariz. 85711.

WORKING, DR. HOLBROOK, Econ, see 10th ed, Soc. & Behav. Vols.

WORKMAN, PROF. W(ILLIAM) GATEWOOD, b. Camden, S.C., May 29, 09; m. 38; c. 2. PSYCHOLOGY. B.Ph., Emory, 29, M.A., 31, B.D., 42; Ph.D. (psychol), Chicago, 51. Asst. prof. Bible & psychol., Emory Jr. Col., 39-42; Emory, 42-44, assoc. prof. PSYCHOL., 44-51; prof., DAVIDSON COL., 51-67, RICHARDSON PROF., 67- Consult, Grace Methodist Church, Atlanta, Ga., 51. U.S.N.R., 44-46. Psychol. Asn. Personality. Publ: The naturalness of abnormality, Emory Univ. Quart; co-auth, Suggestions for simplifying the computation of Vincent Curves, J. Gen. Psychol. Address: Box 686, Davidson, N.C. 28036.

WORKS, DR. ERNEST, b. Little Rock, Ark., Feb. 25, 29; m. 56; c. 2. SOCIOLOGY. A.B., Ark. Agr. & Mech. Col., 51; M.A., Illinois, 55, Ph.D., 59. Res. assoc. sociol., Illinois, 58-60; ASST. PROF. soc. sci., Columbia Col. Art & Design, 60-61; SOCIOLOGICAL, Central Michigan, 61-66; CALIF. STATE COL. FULLERTON, 66- U.S.A., 51-53. Sociol. Asn; Soc. Study Social Probs. Racial and cultural minorities; juvenile delinquency. Publ: Prejudice inter-action hypothesis from the point of view of the Negro minority group; Resi-dence in integrated and in segregated housing and improvement in the self-concepts of Negro tenants; co-auth, The pattern variables as a framework from study of Negro-white relations, Pac. Sociol. Rev., Spring 67. Address: Dept. of Sociology, California State College, 800 N. State College Blvd, Full- erton, Calif. 92634.

WORLAND, DR. STEPHEN T, b. Neoga, Ill., Feb. 21, 23; m. 48; c. 7. ECO-NOMICS. B.A., Illinois, 47, M.A., 49, Ph.D.(econ), 56. Instr. ECON., Mich. State, 54-57; asst. prof., NOTRE DAME, 57-61, ASSOC. PROF., 61- U.S.N., 43-46, Ens. Econ. Asn. Welfare economics; philosophy and economic meth- odology; history of economic doctrine. Publ: Scholasticism and welfare eco-nomics, Notre Dame, 67; Olson's logic of collective action, Rev. Soc. Econ., 3/67. Address: Dept. of Economics, University of Notre Dame, Notre Dame, Ind. 46556.

WORLEY, DAVID P(ERRY), b. East Aurora, N.Y., Aug. 8, 21; m. 45; c. 1. FOREST ECONOMICS. B.S., State Univ. N.Y. Col. Forestry, Syracuse, 43; M.F., Duke, 47. Forest asst., Duke, 47; from instr. to asst. prof. forestry, Pa. State, 47-57; RES. FORESTER ECON., U.S. FOREST SERV., 57- U.S.A., 43-46. Soc. Foresters; Soc. Photogram; Inst. Biol. Sci.; Wildlife Soc; Agr. Econ. Asn; Econ. Asn. Application of aerial photos; economics of forest management decisions depending upon relations of physical production func-tions, costs and markets. Publ: Co-auth, Tree grade cruising possibilities in second-growth oak, Forest Prod. J., 58; auth, Predicting hardwood stump- age prices from sales data, 62 & A forest inventory approach to multiple use analysis, 66, J. Forestry. Address: Northeastern Forest Experiment Station, 118 Old Federal Bldg, Columbus, Ohio 43215.

WORLEY, FREDERICK M(ILTON), b. Topeka, Kans., Sept. 3, 97; m. 24; c. 1. FINANCE. B.S., Pennsylvania, 21, A.M., 24. Instr. finance, Pennsylvania, 21-44, 46-54, assoc., 54-67; RETIRED. Financial economist, Fed. Reserve Bank of Phila., 44-46. Consult, Phila. Elec. Co., 53-64. U.S.N., 18, 43-44. Econ. Asn. Money and monetary systems; banking. Address: 36 Roselawn Ave, Lansdowne, Pa. 19050.

WORLEY, PROF. JAMES S(AMUEL), b. Birmingham, Ala., Apr. 16, 26; m. 47; c. 3. ECONOMICS, BUSINESS ADMINISTRATION. B.A., Vanderbilt, 49, M.A., 59; Ph.D.(econ), Princeton, 58. Instr. econ. & bus. admin, Wofford Col., 50-51, asst. prof., 51-53; instr. econ., Princeton, 55-57; asst. prof. ECON. & BUS. ADMIN., VANDERBILT, 58-62, assoc. prof., 62-67, PROF., 67-, DIR. GRAD. PROG. ECON. DEVELOP., 64- U.S.A., 43-46. Econ. Asn. Money; industrial organization. Publ: Industrial research and the new competition, J. Polit. Econ; co-auth, Value of the United States patent sys- tem, Patent, Trade-Mark & Copyright J. Res. & Ed; Changing direction of research and development employment among firms, In: Rate and direction of inventive activity. Address: Vanderbilt University, Box 1608, Nashville, Tenn. 37203.

WORMINGTON, DR. H(ANNAH) M(ARIE) (MRS. GEORGE D. VOLK), b. Den- ver, Colo., Sept. 5, 14; m. 40. ARCHAEOLOGY. B.A., Denver, 35; M.A., Radcliffe Col., 50, Ph.D.(anthrop), 54. Staff archaeologist, DENVER MUS. NATURAL HIST., 35-37, CURATOR ARCHAEOLOG., 37- Asst. prof., Denver, 47-49; lectr., Colorado, 50-53; vis. prof., Arizona State, 68-69. Mem. U.S. Cmt. Int. Asn. Quaternary Res., 66-68. Fel. Anthrop. Asn; Soc. Am. Archaeol., 1st v-pres, 40-41, 55-56, pres., 68-69; Soc. Vert. Palaeont. South- western archaeology; popularization of archaeological data; earliest cultures of the New World; the palaeolithic of Siberia. Publ: Prehistoric Indians of the southwest; Ancient man in North America; Reappraisal of the Fremont culture. Address: Denver Museum of Natural History, City Park, Denver, Colo. 80206.

WORMUTH, PROF. FRANCIS D(UNHAM), b. Port Leyden, N.Y., May 23, 09; m. 36; c. 1. POLITICAL SCIENCE. A.B., Cornell, 30, A.M., 32, Boldt fel., 34-35, Ph.D., 35. Sterling fel., Yale, 35-36; instr. GOVT., Indiana, 36-39, asst. prof., 39-45, assoc. prof., 45-48; PROF. UTAH, 48- Guggenheim fel., 41-42; Ford fel., 53-54; prof. grad. faculty, New Sch. Soc. Res., 57-58; Ful- bright lectr., Hopkins, 65-66; distinguished vis. prof., San Fernando Valley State Col., 67-68. Public law; political theory. Publ: Origins of modern con- stitutionalism, Harper, 49; Private enterprise and public policy, Macmillan, 54; The Vietnam war: the President versus the constitution, Center Study Democratic Inst., 68. Address: Dept. of Political Science, University of Utah, Salt Lake City, Utah 84112.

WOROBY, DR. P(ETER), Econ, Statist, see 10th ed, Soc. & Behav. Vols.

- WORONIAK, PROF. ALEXANDER**, b. Lvov, Ukraine, Feb. 27, 18; nat; m. 43. ECONOMICS, ACCOUNTING. LL.M. Lvov, Poland, 39; M.S. Columbia, 53, grant-in-aid, 57-58. Asst. prof. polit. Ivan Franko State Univ, Ukraine, 40-42; consult, 42-44; legal couns. & welfare officer, UNRRA, Germany, 46-50; acct, Adv. Solvents & Chem. Corp, N.Y., 50-51; Gregory V. Collins & Co, 53-54; Radio Clin, Inc, 54-57; asst. grad. sch. bus. Columbia, 57-58; asst. prof. ECON, CATHOLIC UNIV, 58-67, ASSOC. PROF, 67- Lectr., Howard, 63-; res. assoc. off. sci. res. U.S. Air Force tech. res. proj, 64- Consult. Bernejo River Basin Develop. Proj, Argentina, 67- Econ. Asn; Am. Acct. Asn; Nat. Asn. Acct; Statist. Asn; Asn. Comp. Econ; Asn. Study Soviet-Type Econ. Soviet technological transfer and developing nations; policy implications of various growth and stabilization models; business organization and management of research and development effort; quantitative analysis for planning and control of business enterprise. Publ: Co-auth, The transfer of technology to developing countries, Praeger, 67; The feasibility of developing transfer of technology functions, Kyklos, 67; auth, Business organization and the transfer of technology; experience of the Soviet Union, UN Indust. Develop. Orgn, 68. Address: 1435 Geranium St, N.W., Washington, D.C. 20012.
- WORONOFF, PROF. ISRAEL**, b. Brooklyn, N.Y., Dec. 30, 26; m. 50; c. 1. EDUCATIONAL PSYCHOLOGY. A.B. Michigan, 49, M.A., 52, Ph.D.(ed), 54. Mem. faculty, dept. psychol. St. Cloud State Teachers Col, 54-56; asst. prof. ED, EASTERN MICHIGAN, 56-59, assoc. prof, 59-62, PROF, 62- Res. participant, nat. teacher ed. & prnl. standards conf, Nat. Ed. Asn, 65; vis. prof, Bulmershe Col. Ed, Reading Univ, 66-67. U.S.A., 45-46. Psychol. Asn; fel. Soc. Res. Child Develop; Ed. Res. Asn. Emphasizing psychoanalytic theory of teaching process and teacher education. Publ: Relation of pre-adolescent developmental factors to adolescent social adjustment, J. Ed. Res; Negro male identification problems and the education process, J. Ed. Sociol, 9/62; Unconscious processes and the real world of the beginning teacher, Report of Teacher Ed. & Prnl. Standards Conf, Nat. Ed. Asn, 65. Address: Dept. of Educational Psychology, Eastern Michigan University, Ypsilanti, Mich. 48197.
- WORPELL, DR. DONALD F(REDERICK)**, b. Detroit, Mich, Dec. 1, 23; m. 46; c. 5. CLINICAL & INDUSTRIAL PSYCHOLOGY. A.B. Wayne State, 48, M.A., 51; Ph.D.(counseling & guid), Michigan, 56. Supvr. selection testing, Chrysler Corp, 52-54, ed. res, 54-57, coordinator mgt. develop, 57-59; chief clin. psychologist, Marion County Ment. Health Clin, Ohio, 59-61; SR. CLIN. PSYCHOLOGIST, STATE MENT. HYG. DIV, NEV., 61- U.S.A., 43-46, Res, 49-, Capt. Psychol. Asn. Diagnosis and treatment of mental and emotional disorders; manpower selection and evaluation of performance; training needs and effectiveness of training; management training. Publ: Difficulties in treatment of school phobia, with report of a case. Address: 5405 Stacey Ave, Las Vegas, Nev. 89108.
- WORRELL, PROF. ALBERT C(ADWALLADER)**, b. Philadelphia, Pa, May 14, 13; m. 37; c. 3. FOREST POLICY. M.F. Michigan, 35, Ph.D.(forestry), 53. Asst. forester, soil conserv. serv. U.S. Dept. Agr, 36-40; dist. forester, State Forest Serv, Va, 44-47, asst. prof, Georgia, 47-53, assoc. prof, 53-55, forest econ, YALE, 55-63, prof, 63-67, EDWIN W. DAVIS PROF. FOREST POLICY, 67- Forest economist, UN Econ. Cmn. Latin Am, 60-61. Soc. Am. Foresters, Econ. Asn. Renewable natural resource economics and policy. Publ: Economics of American forestry, Wiley, 59. Address: School of Forestry, Yale University, 205 Prospect St, New Haven, Conn. 06511.
- WORSLEY, DR. T(HOMAS) B(LANCHARD)**, Econ, see 10th ed, Soc. & Behav. Vols.
- WORTHAM, PROF. A(LBERT) W(ILLIAM)**, b. Athens, Tex, Jan. 18, 27; m. 46; c. 2. STATISTICS. B.A., E.Tex. State Col, 47; M.S. Okla. State, 49, Ph.D., 54. Sr. engr, Chance Vought Aircraft, 51-53, 55-57; eng. supvr, Tex. Instruments, Inc, 57, mgr. qual. assurance, 58, indust. eng. & qual. assurance, 59, planning & mgt. sysys, 60, adv. planning staff, 61-62, diode dept, 62-64; assoc. prof, grad. inst. statist, TEXAS A&M, 64-65, PROF. INDUST. ENG. & HEAD DEPT, 65- Prin. investr, NASA study grants, 65-67; U.S. Dept. Defense Proj. Themis co-dir, optimization center, Texas A&M, 67-; U.S. Dept. Army prog. dir, 67- U.S.N., 43-45. Statist. Asn; Soc. Qual. Control (exec. secy, 61-62); Math. Asn; Opers. Res. Soc; Inst. Indust. Eng; Inst. Math. Statist. Statistical methods; operations research. Publ: Practical statistics in experimental design. Address: 1304 Dominik Dr, College Station, Tex. 77840.
- WORTHAM, PROF. JOHN L(ILBURN)**, b. Athens, Tex, Feb. 9, 20; m. 44; c. 5. ECONOMICS, STATISTICS. A.B.E.Texas State Teachers Col, 40; A.M., Texas, 47, Ph.D., 54. Asst. prof. ECON, TEXAS CHRISTIAN, 48-52, assoc. prof, 52-57, PROF, 57-, CHMN. DEPT, 61- U.S.A.A.F., 41-45, Maj. Statist. Asn; Econ. Asn; Soc. Qual. Control. Regional development, especially in small economies; general business forecasting. Publ: Co-auth, A pilot study of the cost of debilitating conditions in urban areas, Inst. Behav. Res, 67. Address: Dept. of Economics, Texas Christian University, Fort Worth, Tex, 76129.
- WORTHINGTON, DR. RICHARD E**, b. San Diego, Calif, Dec. 12, 11; m. 47; c. 1. DEVELOPMENTAL PSYCHOLOGY. Ph.D.(human develop), Chicago, 51. Personnel dir, Menninger Found, 45-47; dept. counsr, cmn. human develop, Chicago, 47-50; PRES, WORTHINGTON ASSOCS, INC, 49- Consult, Soc. Res, Inc, 47-49. Field dir, Am. Red Cross, 43-45. V.chmn, chmn, Calif. State Psychol. Examining Cmt, 60-; Pres, Am. Asn. State Psychol. Bds, 67-68. Psychol. Asn. Psychodynamics of occupational patterns and of neoplastic disease; motivation research. Publ: Co-auth, Some psychologic correlates of neoplastic disease, J. Clin. & Exp. Psychopath; Validity of a projective technique in predicting sales effectiveness, Personnel Psychol; New technique for personnel assessment, J. Personnel Admin. & Indust. Rels. Address: 5859 Box Canyon Rd, La Jolla, Calif. 92037.
- WORTMAN, DR. JOHN AUGUST**, Polit. Sci., see 10th ed, Soc. & Behav. Vols.
- WORTMAN, DR. MAX S(IDONES), JR.**, b. Iowa City, Iowa, Dec. 15, 32; m. 50. BUSINESS ADMINISTRATION, INDUSTRIAL RELATIONS. B.S. Iowa State, 56; Ph.D.(bus. admin), Minnesota, 62. Admin. coordinator eng. sales, Minneapolis-Honeywell Regulator Co, 56; instr. eng. graphics, Iowa State, 56-57; personnel adminstr, res. lab, Linde Co, 57; instr, Minnesota, 57-61; asst. prof. labor mgt, Iowa, 61-63, Ford faculty res. fel, 63-64, assoc. prof. Indust. rels, 64-68; PROF. MGT, MASSACHUSETTS, AMHERST, 68- Engr, State Health Dept, Minn, summers, 58-60; consult, U.S. Army Mgt-Eng. Training Agency, 64- Mem. ad hoc res. adv. group, U.S. Equal Employ. Opportunity Cmn, 65. Econ. Asn; Indust. Rels. Res. Asn; Acad. Mgt; Int. Indust. Rels. Asn. Personnel management; management; collective bargaining; metropolitan employers' associations; discrimination in employment; bargaining in government; executive behavior; private employment agencies; management development. Publ: Collective bargaining: principles and practices, Houghton, 66; Creative personnel management, Allyn & Bacon, 67; Critical issues in labor, Macmillan Co, 68. Address: Dept. of Management, School of Business Administration, University of Massachusetts, Amherst, Mass. 01003.
- WORTON, PROF. STANLEY N(ELSON)**, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WOSKOW, DR. MORRIS H(OWARD)**, b. Kansas City, Mo, Oct. 25, 32; m. 57; c. 1. PSYCHOLOGY. A.B. California, Los Angeles, 57, M.A., 61, Ph.D. (psychol), 63. Asst. psychol, CALIFORNIA, Los Angeles, 58-59, res. asst, 59-63, lectr. psychol. & food sci. & asst. res. psychologist, DAVIS, 64-66, ASST. PROF. PSYCHOL. & FOOD SCI, 66- Consult, Nat. Acad. Sci-NASA Symp. Palatability & Acceptability Space Foods, 66. Mem, NATO Adv. Study Inst, Istanbul, Turkey, 66. U.S.A., 52-54. AAAS; Psychol. Asn; Soc. Enol. Sensory psychophysics; taste and smell; sensory evaluation of foods; flavor. Address: Dept. of Food Science & Technology, University of California, Davis, Calif. 95616.
- WRAIGHT, DR. A(ARON) JOSEPH**, b. St. Louis, Mo, July 31, 13; m. 49. GEOGRAPHY. A.B. Washington (St. Louis), 39, M.S., 41; Ph.D.(geog), Clark, 51. Field geogr, U.S. COAST & GEOD. SURV, 42-49, asst. to dir. GEOG. & PUB. RELS, 53-60, CHIEF GEOGR, 60- Vis. prof, St. Louis, 52-53; pres, A.J. Wraight & Assocs, 55-; dep, U.S. Dept. Commerce, 55-56; prof. lectr, Anne Arundel Community Col, 63-; prof. lectr. & head phys. sci. dept, Southeastern, 66- Dept. Commerce meritorious serv. award, 57. Asst. ed, J. Surv. & Mapping; v.chmn, U.S. Bd. Geog. Names, 66- Urban and regional planning; field research and study; geography in public relations; anthropogeographic research. Publ: The big survey: a history of the U.S. Coast and Geodetic Survey; Our dynamic world, Chilton, 66; co-auth, California's abominable snowman photographed, Argosy Mag, 2/68. Address: 5431 Connecticut Ave. N.W., Washington, D.C. 20015.
- WRAPP, PROF. HENRY EDWARD**, b. Paragould, Ark, Mar. 26, 17; m. 50; c. 5. BUSINESS ADMINISTRATION. B.S.C. Notre Dame, 38; M.B.A. Harvard, 48, D.C.S., 51. Assoc. prof. & dir. exec. prog, Chicago, 51-55; assoc. prof. bus. admin, grad. sch. bus. admin, Harvard, 55-59, prof, 59-63; PROF. BUS. POLICY & ASSOC. DEAN, GRAD. SCH. BUS, CHICAGO, 63- Dir, automation eng. labor, Atkins & Merrill; Standard Screw Co; Imp. Eastman Corp; Welch Sci. Co; Pittway Corp. U.S.N.R., 43-46, Lt. Address: 190 E. Delaware Place, Chicago, Ill. 60611.
- WRAY, JAMES R(ONALD)**, Geog, Cartogr, see 10th ed, Soc. & Behav. Vols.
- WREN, DR. DANIEL ALAN**, b. Columbia, Mo, Jan. 8, 32; m. 62. MANAGEMENT. B.S. Missouri, 54, M.S., 60; Ph.D.(bus), Illinois, 64. ASSOC. PROF. MGT, FLA. STATE, 63- U.S.A.F., 54-58, 1st Lt. Acad. Mgt. Behavioral sciences in management. Publ: Co-auth, Principles of management, Ronald, 68. Address: Dept. of Management, Florida State University, Tallahassee, Fla. 32306.
- WREN, PROF. HAROLD A(LOYSIUS)**, Psychol, see 10th ed, Soc. & Behav. Vols.
- WREN, PROF. MELVIN C(LARENCE)**, Eng. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WRENCH, DR. DAVID FRAZER**, b. Ann Arbor, Mich, Oct. 10, 32; m. 54; c. 3. SOCIAL PSYCHOLOGY. B.A., Reed Col, 54; M.A., Oregon, 58; Nat. Sci. Found. fel, North Carolina, 59-60, Ph.D.(soc. psychol), 61. Asst. prof. PSYCHOL, Oregon, 61-65; lectr, Queen's Col, St. Andrews, 65-66; ASST. PROF, PORTLAND STATE COL, 66- AAAS; Psychol. Asn; Sociol. Asn. Attitudes; small group processes; community problems. Publ: Psychology: a social approach, McGraw, (in press); Perception of two-sided messages, Human Rels, 64; co-auth, Denial of affect and conformity, J. Personality & Soc. Psychol, 65. Address: Dept. of Psychology, Portland State College, Portland, Ore. 97207.
- WRENN, PROF. C(HARLES) GILBERT**, b. New Paris, Ohio, Apr. 2, 02; m. 26; c. 1. PSYCHOLOGY. A.B., Willamette, 26, Litt.D., 52; M.A., Stanford, 29, Ph.D.(personnel psychol), 32. Exec. secy. voc. guid. cmt, Stanford, 29-36; asst. prof. ed, 34-36; asst. dir. ed. res, Minnesota, Minneapolis, 36-37, asst. dean, gen. col, 36-38, assoc. prof. ed. psychol, 36-37, prof, 37-64; prof. counseling psychol, Arizona State, 64-68; DISTINGUISHED PROF. RES. IN LIB. ARTS ED, MACALESTER COL, 68- Vis. prof, Ore. Normal Col, 28; Oregon, 29, 31; Colo. State Col. Ed, 39; Chicago, 40; Colorado, 41-49, 56; Southern California, 47; Hawaii, 48-58, 63; Denver, 50; British Columbia, 52; San Diego State Col, 51; Chico State Col, 54; Nevada, 55; Stanford, 65, 67; San Francisco State Col, 67; Arizona State, 68- Fulbright distinguished scholar award, Eng, 65-66. Ed, J. Counseling Psychol, 54-63. Mem. staff, Edward Glaser & Assocs, 52- Consult, Am. Comm. Ed, 39-42, 47-49. Trustee, Macalester Col, 61- Assoc. Am. Youth Cmn, 39; mem. nat. adv. bd, Air Training Command, U.S. Air Force, 55-56; proj. dir, Cmn. Guid. Am. Schs, 59-61; chmn, panel on counseling, Nat. Manpower Adv. Cmt, 63-67; Ariz. State Manpower Adv. Cmt, 67. Dipl. Am. Bd. Exam. Prnl. Psychol. U.S. Dept. Labor award for distinguished serv, 67. U.S.N., 42-45, Comdr. Fel. Psychol. Asn; Personnel & Guid. Asn.(Nancy Wimmer award, 64). Study habits and gifted students; counseling procedures and training; innovations and experiments in liberal arts education; ecology and

demography of college freshmen. Publ: Counselor in a changing world; co-auth, Learning to study; auth, Building self-confidence. Address: 2967 Country Club Way, Tempe, Ariz. 85281.

WRENN, DR. ROBERT L, b. Palo Alto, Calif, Aug. 7, 33; m. 56; c. 2. PSYCHOLOGY. B.A. Macalester Col, 55; M.A. Ohio State, 59, Ph.D.(psychol), 62. Psychologist & counsr, Ohio State, 60-62; asst. prof. ed. & psychol. & counsr, ARIZONA, 62-66, ASSOC. PROF. PSYCHOL, 67- U.S.A., 55-57, Res, 57-59, Sgt. Psychol. Asn. College student ecology; counseling theory. Publ: Basic contributions to psychology, Wadsworth, 66; Counselor orientation: theoretical or situational?, J. Counseling Psychol, 60; auth, Literature in psychology, Psychol. Record, 64. Address: Dept. of Psychology, University of Arizona, Tucson, Ariz. 85721.

WRIGGINS, PROF. HOWARD, b. Philadelphia, Pa, Feb. 14, 18; m. 47; c. 3. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A. Dartmouth Col, 40; Chicago, 40-41; M.A. Yale, 48, Sterling fel, 50-51, Ph.D.(int. rels), 52. Asst. prof. polit. sci, Vassar Col, 52-58; chief for. affairs div, legis. reference serv, Library Cong, 58-61; mem. policy planning coun, U.S. Dept. State, 61-66; mem. sr. staff, Nat. Security Coun, 66-67; PROF. GOVT. DIR. SOUTH ASIAN INST, COLUMBIA, 67- Rockefeller Found. res. fel, Ceylon, 55-57; res. assoc, Washington Center For. Policy Res, 65-66. Consult, U.S. Dept. State, 67-; U.S. Agency Int. Develop, 67- Polit. Sci. Asn; Asia Soc; Asn. Asian Studies. Comparative politics in developing countries; interplay of economic and political development; foreign policy making; international politics. Publ: Co-auth, The appeals of communism, 54 & auth, Ceylon, dilemmas of a new nation, 60, Princeton; contrib, Development of the emerging countries—an agenda for research, Brookings, 62. Address: Dept. of Public Law & Government, Columbia University, New York, N.Y. 10027.

WRIGHT, PROF. ALFRED J(AMES), Geog, see 10th ed, Soc. & Behav. Vols, deceased 64.

WRIGHT, PROF. ARNOLD W(ODD), b. Tuscaloosa, Ala, Apr. 6, 10. SOCIOLOGY. B.S. Ala. State Teachers Col, 32; A.M. Atlanta, 34; Wisconsin, 46-48; Kentucky, 50. Asst. prof. SOCIOL, KY. STATE COL, 36-61, ASSOC. PROF, 61-, CHMN. DEPT, 67-, MGT. COL. BOOKSTORE, 45-, campus coop, 42-46. Nat. Sci. Found. fel. anthropol, Colorado, 64. Sociol. Asn. Comparative study of presidential elections; measuring attributes of attitudes. Address: Dept. of Sociology, Kentucky State College, Frankfort, Ky. 40601.

WRIGHT, DR. BEATRICE A(NN), b. New York, N.Y, Dec. 17, 17; m. 40; c. 3. PSYCHOLOGY. B.S. Brooklyn Col, 38; M.A. Iowa, 40, Ph.D.(psychol), 42. Instr. psychol. & ed, Swarthmore Col, 42-43; res. writer, Social Sci. Res. Council, 43-46; asst. prof. psychol, San Francisco State Col, 48-50; res. psychologist, Kansas, 53-62; fel. PSYCHOL, Menninger Found, 62-64; PROF, KANSAS, 64- Vis. lectr, Western Australia, 60-61; vis. prof, Hawaii, 65; distinguished prof, dept. except. children, Southern California, summer, 67. Counsr, U.S. Employ. Serv, Calif, 44-45; mem. spec. ed. adv, cmt, United Cerebral Palsy Res. Found, 62-; consult, Kans. Neurol. Inst, 64- Psychol. Asn; Orthopsychiat. Asn. Child psychology; adjustment to disability. Publ: Physical disability: a psychological approach, Harper; Adjustment to physical handicap and illness, Bull. Soc. Sci. Res. Coun. Address: 1538 Tennessee St, Lawrence, Kans. 66044.

WRIGHT, PROF. BENJAMIN DRAKE, b. Wilkes-Barre, Pa, Mar. 30, 26; m. 48; c. 4. PSYCHOLOGY, STATISTICS. A.B. Cornell, 47; cert, Chicago Inst. Psychoanal, 54; Ph.D. Chicago, 57. Mem. tech. staff microwave spectroscopy, Bell Tel. Labs, N.J., 47; res. asst. ultra-violet spectroscopy, CHICAGO, 48-50, orthogenic sch, 50-52, res. assoc, 52-57, instr. psychol & statist, 57, asst. prof, 58-62, assoc. prof, 62-67, PROF. ED. PSYCHOL, 67- Consult, State Dept. Pub. Health, Ill, 58; div. child psychiat, St. Luke's Hosp, New York, 58-62; prog. psychiatrist & relig. Union Theol. Sem, 58-62; Nat. Conf. Res. in Eng, 60; consult & group leader, teacher training prog, Chicago Inst. Psychoanal, 65- U.S.N., 44-46. Psychol. Asn; Soc. Res. Child Develop; Statist. Asn; Ed. Res. Asn. Developmental psychology; identification; identity; psychology of teaching and learning; psychology of perception: color, form, texture and flavor; research design; development and application of statistical methods for analyzing multivariate data. Publ: Direct factor analysis in sociometry, Sociometry; The meanings of color, J. Gen. Psychol, 62; The childhood romance theory of teacher development, Sch. Rev, 67. Address: Dept. of Education, University of Chicago, 5835 Kimbark Ave, Chicago, Ill. 60637.

WRIGHT, PROF. BENJAMIN F(LETCHER), b. Austin, Tex, Feb. 8, 00. GOVERNMENT. A.B. & A.M. Texas, 21; Ph.D. Harvard, 25; LL.D. Amherst, 50, Mt. Holyoke, 58, Litt.D. Am. Int. Col, 58; LL.D. Pittsburgh, 62. Instr. govt, Texas, 22-24, adj. prof, 25-26; instr, Harvard, 26-28, asst. prof, 28-40, assoc. prof, 40-45, prof, 45-49, chmn. dept, 42-46, cmt. gen. ed, 46-49; pres, Smith Col, 49-59, fel, center behav. sci, 59-60; PROF. GOVT, TEXAS, AUSTIN, 60- Vis. prof, Harvard, 66-67. U.S.A., 18. Am. Acad. Arts & Sci; Polit. Sci. Asn. American political theory; American constitutional law and history. Publ: Growth of American constitutional law; Consensus and continuity; ed, The Federalist. Address: Dept. of Government, University of Texas, Austin, Tex. 78712.

WRIGHT, DR. CALVIN E(DWARD), b. Oroville, Calif, Oct. 12, 28; m. 60; c. 3. PSYCHOLOGY. A.B. California, 51; fel, Washington (Seattle), 52-53, M.S., 53, Ph.D.(psychol), 57. Asst. psychol, Washington (Seattle), 52-53, sch. med, 53-55, div. counseling & testing, 55-56, dept. psychol, 56; div. counseling & testing serv, 56-57, statistician, 57-58, res. asst. prof, 58-61, dir. bur. testing, 59-61; res. assoc, chancellor's off, Calif. State Colls, 61-67; DIR. EVAL. & SYSTS. DIV. & DATA PROCESSING CENTER, AM. INSTS. RES, 67- Mem. west. data processing center adv. cmt, California, Los Angeles, 66-67. AAAS; Psychol. Asn; Statist. Asn; Psychomet. Soc; Nat. Coun. Measurement in Ed. Educational and psychological measurement techniques; test validation multivariate statistical techniques; design and analyses of experiments in education and psychology; applications of high speed computers. Publ: Co-auth, Social desirability as a variable in the Edwards Personal Preference Schedule, J. Consult. Psychol, Comparative reliability of two techniques of personality appraisal, J. Clin. Psychol. &

Computer applications to psychological problems, Ed. & Psychol. Measurement, 61. Address: Evaluations & Systems Division & Data Processing Center, American Institutes for Research, P.O. Box 1113, Palo Alto, Calif. 94302.

WRIGHT, DR. CARL S(YLVANUS), b. Oakley, Tenn, Sept. 16, 17; m. 46, 67; c. 4. CLINICAL PSYCHOLOGY. B.S. Western Reserve, 47, Ph.D.(psychol), 52. Chief clin. psychologist, Vet. Admin. Hosp, Fayetteville, Ark, 51-57; staff psychologist, Rohrer, Hibler, & Replogle, Tex, 57-58; chief psychologist, Vet. Admin. Regional Off, Indianapolis, Ind, 58-60, VET. ADMIN. HOSP, 60-67, STAFF PSYCHOLOGIST, MEMPHIS, TENN, 67- Instr, Arkansas, 52-56; lectr, Purdue, 61-; med. sch, Indiana, 61-, exten, 62- U.S.A.A.F., 43-46. Psychol. Asn. Projective techniques; personality theory; psychosomatic disorders. Address: 2352 Massey Rd, Memphis, Tenn. 38117.

WRIGHT, PROF. CHARLES R(OBERT), b. Pennsauken, N.J, Feb. 26, 27; m. 50. SOCIOLOGY. A.B. Columbia, 49, M.A. 50, Ph.D.(sociol), 54. Tutorial & admin. asst. sociol, Columbia, 50-53, lectr, 53-54, instr, 54-56, asst. bur. appl. soc. res, 51-53, res, 54-56, asst. prof. SOCIOL, CALIFORNIA, LOS ANGELES, 56-60, assoc. prof, 60-65, PROF, 65-; PROG. DIR. SOCIOL. & SOC. PSYCHOL, NAT. SCI. FOUND, WASH, D.C., 67- Consult, UN Res. Inst. Soc. Develop, 65-66; U.S. Pub. Health Serv, 65- U.S.N., 44-46. AAAS; Sociol. Asn; Soc. Study Social Probe; Asn. Pub. Opinion Res. Evaluational research; sociology of mass communications and public opinion; social psychology. Publ: Mass communication; co-auth, Applications of methods of evaluation; Inducing social change in developing communities, UN, 67. Address: Dept. of Sociology, University of California, Los Angeles, Calif. 90024.

WRIGHT, CHRISTOPHER, b. Chicago, Ill, Oct. 31, 26; m. 56; c. 2. BEHAVIORAL SCIENCE. A.B. Harvard, 49, fel, 51-55. Scientist, Los Alamos Sci. Lab, California, 45-46; instr. philos, Williams Col, 54; res. assoc. behav. sci, sch. law, Chicago, 56-58; assoc. dir. soc. sci, coun. atomic age studies, COLUMBIA, 58-59, dir. res, 59-60, exec. dir, 60-66, DIR. INST. STUDY SCI. IN HUMAN AFFAIRS, 66- With Manhattan Proj, 44, 45-46. Political, legal, economic and other social aspects of current scientific and technological developments. Address: Institute for the Study of Science in Human Affairs, Columbia University, New York, N.Y. 10027.

WRIGHT, DR. COLIN, b. Hucknall, Eng, July 14, 36; U.S. citizen; m. 62; c. 1. ECONOMICS. B.A. Brigham Young, 60; M.A. Chicago, 62, Ph.D.(econ), 66. ASST. PROF. ECON, NORTHWESTERN, 65- Econ. Asn; Economet. Soc. Economics of air pollution and urban economics. Publ: Some evidence of the interest elasticity of consumption, Am. Econ. Rev, 9/67; The interest elasticity of saving: an empirical investigation, In: Studies in the taxation of income and wealth, Brookings, (in press), Address: Dept. of Economics, 35 Kresge Hall, Northwestern University, Evanston, Ill. 60601.

WRIGHT, PROF. DAVID McCORD, Econ, see 10th ed, Soc. & Behav. Vols, deceased 68.

WRIGHT, PROF. DEIL S(PENCER), b. Three Rivers, Mich, June 18, 30; m. 53; c. 4. POLITICAL SCIENCE. A.B. Michigan, 52, M.P.A. 54, Ph.D.(polit. sci), 57. Instr. POLIT. SCI, Wayne State, 56-58; asst. prof, 58-59; Iowa, 59-62, assoc. prof, 62-67; PROF, NORTH CAROLINA & RES. PROF, INST. RES. SOC. SCI, 67- Summer res. grants, Reim Found, 63 & Soc. Sci. Res. Coun, 64 & 66; vis. assoc. prof, California, Berkeley, 65-66. Mem. staff, tax study, Mich. House Rep, 57-58. Consult, Detroit Metrop. Area, 56-58; Inst. on State Prog. for 1970's, 67-68. AAAS; Polit. Sci. Asn; Soc. Pub. Admin; Nat. Munic. League. Public administration; finance; intergovernmental relations; state and local government; research methods. Publ: Profile of a metropolis, Wayne State Univ, 62; Trends and variations in local finances, Inst. Pub. Affairs, Univ. Iowa, 65; Federal grants-in-aid; perspectives and alternatives, Am. Enterprise Inst, 68. Address: Dept. of Political Science, University of North Carolina, Chapel Hill, N.C. 27514.

WRIGHT, PROF. DONALD CARLYLE, b. Terril, Iowa, Sept. 28, 23; m. 46; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. B.Sc. Iowa, 48, M.A. 49. Instr. ECON. & BUS. ADMIN, WASHBURN, 49-51, asst. prof, 51-55, assoc. prof, 55-68, PROF, 68- Mediator, State Dept. Labor, Kans, 64- Univ. consult, U.S. Employ. Serv, 62- U.S.N.R., 42-45. Soc. Pub. Admin. Organizational behavior of professional groups; economic and social problems of disadvantaged; public programs for unemployed, underemployed and unemployable; organizational communications. Address: Dept. of Economics & Business Administration, Washburn University, Topeka, Kans. 66621.

WRIGHT, PROF. E. WAYNE, b. Ogden, Utah, Apr. 4, 25; m; c. 4. PSYCHOLOGY. B.A. Brigham Young, 52, M.A. 53; Ed.D. California, 57. Res. asst. counseling & test supvr, ed. test serv, California, 53-54; counsr. & instr. counseling & guid, Brigham Young, 54-57; asst. prof. psychol. & coordinator counseling, Utah State, 57-60; asst. prof. ed. psychol, Minnesota, 60-61; asst. prof. psychol. & coordinator counseling, UTAH STATE, 61-65, assoc. prof. PSYCHOL, 65-66, PROF, 66- Dir, U.S. Employ. Serv. Counseling Workshops, Utah State, 59 & 65-68 & dir, Nat. Defense Ed. Act. Counseling & Guid. Insts, 60-63. Vis. prof, Boston, Florida, Mississippi, Minnesota, Minneapolis & Duluth, Brigham Young & Arizona, 59-65. Part time private practice counseling psychol, 57- Consult. counseling & testing, bur. employ. security, U.S. Dept. Labor, 65- U.S.A., 44-46, Sgt. Personnel & Guid. Asn; Nat. Employ. Counsr. Asn.(pres, 68-69); Psychol. Asn. Counseling psychology; psychotherapy; school counseling; family relationships. Publ: Multiple counseling: Why? When? How?, Personnel & Guid. J, 4/59; A comparison of individual and multiple counseling for test interpretation interviews, J. Counseling Psychol, Vol. 10, No. 2; Group procedures, Rev. Ed. Res, 4/63. Address: Dept. of Psychology, Utah State University, Logan, Utah 84321.

WRIGHT, DR. E(LISABETH) MURIEL J(ANE), Math, see 11th ed, Phys. & Biol. Vols.

WRIGHT, DR. FRED H(OLMES), b. Baton Rouge, La, Dec. 12, 25; m. 48; c. 2. PSYCHOLOGY. B.A. Mississippi, 48, M.A. 51; Ph.D.(psychol), Ohio

State, 56. Teacher, high sch, Miss, 50-51; counseling psychologist, Vet. Admin. Hosp, Chillicothe, Ohio, 54-57, Tuscaloosa, Ala, 57-59, Gulfport, Miss, 59-65; res. dir, community rels. serv, Dept. Justice, Wash, D.C., 65-66; ASSOC. PROF. PSYCHOL, GA. STATE COL, 66- Lectr, Alabama, 58-59; Mississippi, 60-61. Consult, Good Samaritan Training Center, 60-Mem, Children's Int. Summer Villages Res. Cmt, 63-, seminar leader, Norway, 64, England & Denmark, 67. Vet. Admin. superior performance award, 63. U.S.N., 44-46. Psychol. Asn; fel. Int. Coun. Psychol. Rehabilitation programs in neuropsychiatric hospitals; milieu therapy; public attitudes toward mental illness; intercultural relations. Publ: Co-auth, Influence of open and closed mental hospitals on attitudes in the U.S. and Britain, J. Counseling Psychol, 65; Report of 65 halfway house patients over a 2½ year period, 66 & Observations of NP hospitals in Ecuador and Peru, 67, Int. J. Soc. Psychiat. Address: Georgia State College, Atlanta, Ga. 30303.

WRIGHT, DR. GEORGE N(ELSON), b. Earlington, Ky, Dec. 10, 21; m. 52; c. 4. PSYCHOLOGY. B.S. Indiana, 47; M.S. Purdue, 54, U.S. Off. Voc. Rehab. fel, 58-59, Ph.D. 59. Personnel interviewer, Mo. Valley Bridge Co, 42-45; asst. psychol, Indiana, 45-46; counsr. rehab. State Dept. Ed, Ind, 47-58; nat. prog. dir, Nat. Epilepsy League, 59-62; ASSOC. PROF. REHAB. COUNSELING, WISCONSIN, 62-, DIR. REHAB. RES. INST, 64-, spec. consult, 66. Consult, Wabash Valley Sanitarium, 55-58; Ment. Health Clin, Ind. U.S. Childrens Bur. Demonstration Clin, 57-58. Mem. Nat. Cmt. Res. Neurol. Disorders, 60-; secy. cmt. epilepsy, U.S. Dept. Health, Ed. & Welfare, 65-; cmt. rehab. counseling, U.S. Rehab. Serv, 68-71. Psychol. Asn; Personnel & Guid. Asn; Nat. Rehab. Asn; Rehab. Counseling Asn. Somatopsychology; interaction of physical handicaps with the disabled individual and his environment; evaluation and counseling methodology; measurement and modification of social attitudes; techniques of health education and adjustment to disability. Publ: Co-auth, Rehabilitation research, Rehabilitation references & Wisconsin studies in vocational rehabilitation, Univ. Wisconsin, 68. Address: 492 Presidential Lane, Madison, Wis. 53711.

WRIGHT, DR. GEORGE O(LIVER), b. Roanoke, Va, Aug. 6, 13; m. 37. PSYCHOLOGY. B.S. Ohio State, 38, M.A. 39; Ed.D. (psychol), Harvard, 52. Dir. youth serv, Columbus Urban League, Ohio, 39-41; asst. area dir, Nat. Youth Admin, Cleveland, 41-47; res. scientist, U.S. Dept. Army Air Force, 47-50; prof. Cent. State Col, 50-51; RES. SCIENTIST, U.S. DEPT. AIR FORCE, 51-AAAS; Psychol. Asn. Child Development. Address: 700 Seventh St. S.W., Washington, D.C. 20024.

WRIGHT, GEORGE W(ILLIAM), b. Youngstown, Ohio, Apr. 23, 24; m. 53; c. 3. ECONOMICS. A.B. Kent State, 48; M.A. Harvard, 50, fel, 51-53. Asst. dir. indust. location proj, Soc. Sci. Res. Coun, P.R., 50-51; resident tutor, Winthrop House, Harvard, 52-53; economist & adminstr, U.S. Govt, 53-59; consult, Booz, Allen & Hamilton, 60-61; mem. sr. staff, Brookings Inst, 61-65; economist, NASA, 65-66; MEM. SR. STAFF, OFF. DEP. UNDER SECY, U.S. DEPT. HOUSING & URBAN DEVELOP, D.C., 66- Consult, 61- U.S.A., 43-45. AAAS; Econ. Asn; Soc. Pub. Admin; Soc. Adv. Mgt. Management and policy problems; housing and urban affairs; urban economics; national strategy and organizational problems; information systems; program development; research and development administration; operations research; government-industry relations. Address: 8629 Polk St, Woodside, McLean, Va. 22101.

WRIGHT, DR. GLENN E(WARD), b. Nashua, N.H., Nov. 28, 21; m. 48; c. 4. PSYCHOLOGY. B.S. New Hampshire, 43; M.S. Purdue, 51, Ph.D. (psychol), 53. Clin. psychologist, Vet. Admin. Hosp, Roseburg, Ore, 52-63; PSYCHOLOGIST, METROP. STATE HOSP, NORWALK, CALIF, 63- U.S.A., 43-46. AAAS; Soc. Sci. Study Sex; Soc. Gen. Sys. Res; Psychol. Asn. Mental hospital organization; treatment of schizophrenia; behavioral science approaches to international relations. Address: 961 N. Euclid Ave, La Habra, Calif. 90631.

WRIGHT, DR. GORDON PRIBLY, b. Crosby, Minn, May 18, 38; m. 61; c. 1. OPERATIONS RESEARCH, APPLIED MATHEMATICS. B.A. Macalester Col, 60; fel, Massachusetts, 61-63, M.A. 63; Ph.D. (opers. res), Case Western Reserve, 67. Computer analyst, Conn. Gen. Life Ins. Co, 60-61; statistician, Goodyear Tire & Rubber Co, 63-64; asst. OPERS. RES, Case, 64-67; ASST. PROF, NORTHWESTERN, 67- Prin. investr, Nat. Sci. Found. res. grant, 68- U.S.A.F.R., 61-67. Opers. Res. Soc. Asn; Inst. Mgt. Sci; Soc. Indust. & Appl. Math. Mathematical optimization theory, especially nonlinear and dynamic programming and inventory theory. Publ: Co-auth, Optimizing models of after tax earnings incorporating depletion allowances, J. Financial & Quant. Anal, 67; auth, Optimal policies for multi-product inventory models with negotiable lead times, Naval Res. Logistics Quart, 68. Address: Dept. of Industrial Engineering & Management Sciences, Technological Institute, Northwestern University, Evanston, Ill. 60201.

WRIGHT, PROF. HERBERT FLETCHER, b. Muskegon, Mich, Dec. 11, 07; m. 29; c. 2. PSYCHOLOGY. A.B. Nebr. Wesleyan, 30; M.A. Cincinnati, 31; Angier B. Duke Mem. award, Duke, 32-33, Ph.D. (psychol), 34. Acting prof. PSYCHOL, Mercer, 34-35; Gen. Ed. Bd. fel, Iowa, 35-36; instr, Carleton Col, 36-40, asst. prof, 40-43; Northwestern, 45-47; assoc. prof, KANSAS, 47-49, PROF, 49-, chmn. dept, 62-66. Co-dir, Midwest Psychol. Field Sta, 47-54; Ford Found. Fund Adv. Ed. fel, 53-54; dir, City-Town Res. Proj, 55-68; Nat. Inst. Ment. Health fel, Tavistock Inst, London, Eng, 65. Consult, Nat. Inst. Ment. Health, 61-62, mem. small grant cmt, 61-66; consult, Vet. Admin, 62- U.S.N.R., 43-45, Lt. Fel. AAAS; fel. Psychol. Asn; Soc. Res. Child Develop. Ecological and child psychology; social behavior. Publ: Co-auth, One boy's day, 51 & Midwest and its children, 55 & auth, Recording and analyzing child behavior, 67, Harper. Address: Dept. of Psychology, University of Kansas, Lawrence, Kans. 66044.

WRIGHT, DEAN HOWARD E(MERY), b. Philadelphia, Pa, Mar. 30, 08; m. 36; c. 2. PSYCHOLOGY. A.B. Lincoln (Pa), 32; M.A. Ohio State, 33, Ph.D. (psychol), 46; Am. Coun. Ed. fel, Chicago, 41. Prof. psychol. & ed, Prairie View Col, 40-45; chmn. dept. psychol, N.C. Col. Durham, 45-48, 53-61; chmn. div. ed. & psychol, Texas Southern, 48-53; pres, Allen, 61-65; regional dir. community action prog, Off. Econ. Opportunity, 65-66; br. chief div. col. support,

U.S. Off. Ed, Wash, D.C., 66-67; DEAN COL, MD. STATE COL, PRINCESS ANNE, 67- Psychol. Asn. Interest-attitude tests; social psychology. Publ: Physiological aspects of child development; Analysis of results with certain tests of interests and attitudes; Racial humor, a value analysis. Address: Maryland State College, Princess Anne, Md. 21853.

WRIGHT, DR. JACK MASON, b. Bartlesville, Okla, Sept. 2, 31; m. 53; c. 1. PSYCHOLOGY. B.A. Oklahoma, 57; Woodrow Wilson fel, Vanderbilt, 57-58, M.A. 58; Ph.D. (psychol), Colorado, 60. Asst. prof. PSYCHOL, Tex. Col. Arts & Indust, 60-61; Florida, 61-66, ASSOC. PROF, 66-67; UTAH, 67-, consult, bur. econ. & bus. res, 67-68. Assoc. prof, Ga. State Col, 65-66. Consult, South. Bell Tel. Co, Ga, summers, 62-66; proj, 53, Ga. State Hwy. Dept, 66; Oper. Headstart, Gwinnet Co, Ga, 66; Cultural Enrichment Center, Alachua County, Fla, 66-67; Am. Insts. Res, summer, 67. U.S.A., 47-49; U.S.A.F., 49-52, Sgt. Sociopersonality; concept formation and change, especially social causality; interpersonal perception; attribution of responsibility and perception of social causality; attitude measurement and change; conformity and deviation. Publ: Co-auth, Scales for the measurement of attitudes, McGraw, 66; auth, Extrapunitiveness and authoritarianism; Self concept and attribution of responsibility. Address: Dept. of Psychology, University of Utah, Salt Lake City, Utah 84112.

WRIGHT, PROF. JAMES C(LYDE), b. Gregg, Pa, Jan. 4, 13; m. 41; c. 3. PSYCHOLOGY. B.A. Muskingum Col, 35; Duke, 35-38; Pittsburgh, 41-43; M.A. Ohio State, 44, Ph.D. (counseling psychol), 54. Asst. psychol, Duke, 36-38; psychologist & teacher, Thorn Hill Reform Sch, Pa, 40-42; psychologist & investr, West. State Penitentiary, 42-43; asst. PSYCHOL, Ohio State, 44-45, asst. instr, 46-47; asst. prof. & dir. psychol. clin, BOWLING GREEN STATE, 47-57, ASSOC. PROF. & ASST. DIR. COUNSELING CENTER, 57- Psychol. Asn; Personnel & Guid. Asn. Personality adjustment and learning; theories of personality; motivation analysis; self-actualization. Publ: Role of the correctional institution in the etiology of chronic homosexuality, Am. J. Orthopsychiat. Address: 861 Parker St, Bowling Green, Ohio 43402.

WRIGHT, DR. JOHN C(OOK), b. Los Angeles, Calif, July 27, 33; m. 55; c. 2. CHILD PSYCHOLOGY. A.B. Harvard, 54; Ph.D. (psychol), Stanford, 60. Acting inst. psychol, Stanford, 58-60; asst. prof. inst. child develop, Minnesota, Minneapolis, 60-64; ASSOC. PROF, 64-68; HUMAN DEVELOP, KANSAS, 68- Vis. prof, Wisconsin, 66; vis. res. fel, center cognitive studies, Harvard, 67. Sig.C. U.S.A., 54-56. AAAS; Psychonomic Soc; Psychol. Asn; Soc. Res. Child Develop. Cognition, learning, motivation and personality development; thinking, reasoning, problem solving and learning in adults and children; cognitive style. Publ: Consistency and complexity of response sequences as a function of schedules of noncontingent reward, J. Exp. Psychol; co-auth, Basic cognitive processes in children, Soc. Res. Child Develop, 63; Cognitive development, In: Human development, Saunders, 66. Address: Dept. of Human Development, University of Kansas, Lawrence, Kans. 66045.

WRIGHT, DR. JOHN J(OSEPH), Clin. Psychol, see 10th ed, Soc. & Behav. Vols.

WRIGHT, PROF. JOHN S(HUP), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WRIGHT, DR. JOHN W(ILLIAM), b. Hinckley, Utah, Dec. 25, 90; m. 21; c. 3. ECONOMICS. B.S. Utah State, 17; London, 19; M.S. American Univ, 33, Ph.D. 38. Economist & cotton technologist, U.S. Dept. Agr, 28-57; consult. & dir, Pakistan Inst. Cotton Res. & Tech, 57-60; CONSULT. ECONOMIST, 60- U.S.A., 17-19. AAAS; Econ. Asn; Agr. Econ. Asn; Fiber Soc. Economic and technological aspects of cotton marketing and technology; preparation for market and marketing of cotton and cotton-seed; distribution of American raw cotton; packaging of cotton and methods of improvement. Address: 11100 Orleans Way, Kensington, Md. 20795.

WRIGHT, PROF. KARL T, b. Walker, Ill, Dec. 16, 01; m. 33; c. 1. AGRICULTURAL ECONOMICS. B.S. Illinois, 24, M.S. 29; Ph.D. (agr. econ), Cornell, 40. Asst. Illinois, 24-29; MICH. STATE, 29-40, res. assoc, 40-45, res. prof. farm mgt, 45-49, PROF. AGR. ECON, 49-, dir. univ. adv. group & admin. adv, Ryukyus, 58-60. Lectr, Oxford & Leeds, 51-52. Econ. Coop. Admin. tech. adv, Gt. Brit, 51-52; adv. to U.S. Civil Admin. of Ryukyus Islands, 58-60; Int. Coop. Admin. summer consult, Taiwan, 59; consult, Nottingham, 51-52; Mich. State-Agency Int. Develop. consult, Taiwan & Chung Hsing Univs. & Joint Cmn. Rural Reconstruct, Taipei, Taiwan, 64. Mem. cmt. training of Asian agr. econ. students in U.S. univs, Coun. Econ. & Cultural Affairs, Inc, 61. Am. Agr. Econ. Asn; Asn. Soc. Farm Mgr. & Rural Appraisers; Int. Asn. Agr. Econ; Brit. Econ. Soc; Rural Econ. Soc. Taiwan. International agricultural development; agricultural economics and management analysis; changes and trends in Michigan agriculture. Publ: Taiwan's postwar agricultural development, 65, co-auth, Michigan farms in 1980 & auth, Michigan's agriculture, its areas of concentration and trends, 67, Mich. State. Address: Dept. of Agricultural Economics, Michigan State University, East Lansing, Mich. 48823.

WRIGHT, DR. KENNETH M(KINNEY), b. Andover, Ohio, June 5, 27; m. 50. ECONOMICS. B.A. Col. Wooster, 49; M.A. Columbia, 50, univ. fel, 53-54, Ph.D. 54. Instr. econ, Col. Wooster, 50-52; economist, Fed. Reserve Bank of N.Y., 54-56; asst. dir. econ. res, Life Ins. Asn, 56-60; sr. economist, First Nat. City Bank of N.Y., 60-63; asst. v.pres, Irving Trust Co, N.Y., 63-64, v.pres, 64-67; V.PRES. & CHIEF ECONOMIST, LIFE INS. ASN, AM, 67-V.pres, Charter N.Y. Corp, 65-67. U.S.N., 44-46. Am. Econ. Asn; Am. Finance Asn; Royal Econ. Soc. International finance; domestic capital markets. Publ: Dollar pooling in the Sterling area, 1939-52, Am. Econ. Rev; Gross flows of funds through life insurance companies, J. Finance. Address: 101 Brook St, Garden City, N.Y. 11530.

WRIGHT, PROF. MARION I(RENE), b. Cranston, R.I, June 17, 22. GEOGRAPHY. Ed.B. R.I. Col, 44; M.A. Clark, 46; Syracuse, 55. PROF. GEOG. & CHMN. DEPT. SOC. SCI, R.I. COL, 53- Asn. Am. Geog. Areas of Europe and Africa; metropolitan growth. Address: Box 372, Route 3, North Scituate, R.I. 02857.

- WRIGHT, PROF. MARION T, Sociol, see 10th ed, Soc. & Behav. Vols. deceased 62.
- WRIGHT, MARSHALL S(HELDON), SR, b. Toronto, Ont, Dec. 28, 90; U.S. citizen; m. 15; c. 2. GEOGRAPHY. Polytech. Inst. Toronto, 09-10; Utah Agr. Col. 13-14. Transitman, gen. land off, bur. land mgt, U.S. Dept. Interior, 15-19; in charge surv. & mapping sect, regional off, U.S. Forest Serv, Utah, 19-23; off. chief engr, D.C. 23-29; sales engr, Aerotopograph Corp, 29-30; proj. engr, Fairchild Aerial Survs, 30-32; Curtiss-Wright Flying Serv, 32-33; admin. photogrammetric mapping activities, soil conserv. serv, U.S. Dept. Agr, from consult. & adv. tech. adv. bd, off. & secy. to tech. asst. to chief off. plants & opers, 33-53; Am. tech. rep, Zeiss-Aerotopograph Corp, Germany, 53-65; RETIRED. Soc. Photogram.(secy-treas, 36, v-pres, 38, pres, 39); Geophys. Union; Cong. Surv. & Mapping (pres, 46-49). Aerial mapping; photogrammetry; cartography. Address: 1129 Ashlawn Bldg, 4921 Seminary Rd, Alexandria, Va. 22311.
- WRIGHT, PROF. M(ARTIN) ERIK, b. Verona, N.Y., July 4, 15; m. 40; c. 3. PSYCHOLOGY. B.S. City Col. New York, 34; M.S. N.Y. State Col. Albany, 37; Ph.D. Iowa, 40; M.D. California, 50. Asst. psychol, Iowa, 37-40; asst. prof, Ohio State, 40-42; assoc. prof, San Jose State Col, 46; San Francisco State Col, 47, 48, 50; lectr, California, 49; PROF. CLIN. PSYCHOL. & PSYCHIAT, KANSAS, 51- Fulbright prof, Western Australia, 60-61. Clin. psychol. consult, 51-; consult, Vet. Admin, 52-54. Coordinator, Am. Bd. Clin. Hypnosis, 65-70. Dipl. Am. Bd. Exam. Prfl. Psychol, 48; Am. Bd. Exam. Psychol. Hypnosis, 59. U.S. Maritime Serv, 42-43; U.S.N. 43-46; U.S.P.H.S. 50-51. Psychol. Asn; Am. Med. Asn; Soc. Clin. & Exp. Hypnosis (Bernard B. Raginsky award, 87); Soc. Proj. Tech; fel. Soc. Clin. Hypnosis. Borderline states of consciousness; dreams; insomnia; personality concomitants of somatic disorders; hypnosis as a research tool in psychotherapy; psychological factors in rehabilitation. Publ: Ed. Frontiers of research in hypnosis; Hypnosis and child therapy, Am. J. Clin. Hypnosis; Rehabilitation and hypnosis, Rehabil. Lit. Address: Dept. of Clinical Psychology & Psychiatry, University of Kansas, Lawrence, Kans. 66044.
- WRIGHT, PROF. M(ARY) J(EAN), b. Strathroy, Ont, May 20, 15. PSYCHOLOGY. B.A. Western Ontario, 39; M.A. Toronto, 40, Ph.D. 49. Psychologist, Protestant Childrens Village, Ottawa, 41-42; supvr. teacher's training, Garrison Lane Nursery Training Sch, Birmingham, Eng, 42-44; psychologist, Ment. Health Clin, Ont, 44-45; instr. inst. child study, Toronto, 45-46; asst. prof, DEPT. PSYCHOL, WESTERN ONTARIO, 46-54, assoc. prof, 54-61, PROF, 61-; HEAD DEPT, 63-; chmn. dept, Middlesex Col, 60-63. Am. Psychol. Asn; Soc. Res. Child Develop; Can. Psychol. Asn.(pres, 68-69). Child development. Address: Dept. of Psychology, University of Western Ontario, London, Ont, Can.
- WRIGHT, DEAN MILTON S. J, b. Savannah, Ga, June 28, 08. ECONOMICS, POLITICAL SCIENCE. A.B. Wilberforce, 26; A.M. Columbia, 28; Oxford, 30; Geneva, 31-32; Ph.D. Heidelberg, 32; McGill, 66. Dean col. lib. arts, Samuel Huston Col, 28-33; PROF. ECON. & POLIT. SCI, WILBERFORCE, 33-; DEAN, COL. LIBERAL ARTS, 61-; v-pres. res, 64. Fel, Ohio State, 64; Case, 53; Danforth scholar, Union Theol. Sem, Columbia, 54; lectr, Ala. State Teachers Col, 40-41; Wisconsin, 58, 60; Harvard, 62; seminar participant, Ohio Bell Tel. Co, Cleveland, 62, acad. dean's cols, Harvard, 63 & econ. in action, Univ. Chicago, 65. AAAS; Econ. Asn; Econ. Hist. Asn; Acad. Polit. Sci; Acad. Polit. & Soc. Sci; Soc. Int. Law; Acad. Econ. & Polit. Sci. Economic development and native policy in the former German-African colonies; highlights in the history of the Negro in the Miami Valley of Ohio; cost of formal training in colleges of the United States. Publ: A guidebook to the study of American national government; A guidebook to the study of American state and local government; A guidebook to the study of principles of economics. Address: Dept. of Economics & Political Science, Wilberforce University, Wilberforce, Ohio 45384.
- WRIGHT, DR. MORGAN, b. Winnipeg, Man, Mar. 18, 21; m. 49; c. 4. PSYCHOLOGY. B.A. Manitoba, 43; M.A. Toronto, 49, Ph.D. 52. Lectr. psychol, Toronto, 49-52; clin. psychologist, med. arts clin, 53-56; asst. prof. PSYCHIAT. & PSYCHOL, MANITOBA, 56-67, ASSOC. PROF, 67-; DIR. NEURO-PSYCHOL. LAB, WINNIPEG GEN. HOSP, 67-; staff psychologist, 56-65, chief psychologist, 65-67. Dipl. clin. psychol, Am. Bd. Exam. Prfl. Psychol, 62. R.C.A.F. 43-45. Can. Psychol. Asn. Selection of individuals to work in northern isolation; leadership of small groups; measurement of brain functions; change with psychotherapy. Address: Dept. of Clinical Psychology, University of Manitoba, Winnipeg, Man, Can.
- WRIGHT, DR. PAUL H(ENSLEY), b. Hayleyville, Okla, Jan. 14, 33; m. 57; c. 5. SOCIAL PSYCHOLOGY. A.B. Kansas, 56, M.A. 60, Ph.D.(psychol), 63. Asst. prof. PSYCHOL, NORTH DAKOTA, 63-67, ASSOC. PROF, 67- Peace Corps summer field assessment officer, Antioch Col, 66 & 67. Consult, Peace Corps Conf. Latin Am. Proj. Dirs, 67; Summer Inst. Ling. Dialect Surv, Mexico City, 67. Psychol. Asn. Interpersonal relations; attitude formation and change; group dynamics. Publ: Personality and interpersonal attraction; basic assumptions, 65 & Social interest and interpersonal attraction: further evidence, 66, J. Individual Psychol; Attitude change under direct and indirect interpersonal influence, Human Rels, 66. Address: Dept. of Psychology, University of North Dakota, Grand Forks, N.Dak. 58201.
- WRIGHT, PROF. P(HILIP) A(LAN), b. Maine, Oct. 23, 19; m. 43; c. 5. AGRICULTURAL ECONOMICS. B.Sc. Macdonald Col, McGill, 50; M.S. Mich. State, 53, Ph.D.(agr. econ), 62; Soc. Sci. Res. Coun. fel, summer, 56. Asst. bot, Macdonald Col, McGill, 49-50; AGR. ECON, Mich. State Col, 50-53; lectr, Ont. Agr. Col, 53-54, assoc. prof, 54-62, PROF, GUELPH, 62- Can. Coun. fel, 62. Mem. Can. Nat. Cmt. Electronic Processing Farm Records, 66. R.C.A.F. 40-46. Am. Agr. Econ. Asn; Can. Agr. Econ. Soc. Farm management; production economics; agricultural policy. Address: Dept. of Agricultural Economics, University of Guelph, Guelph, Ont, Can.
- WRIGHT, PROF. QUINCY, b. Medford, Mass, Dec. 28, 90; m. 22; c. 2. INTERNATIONAL LAW. A.B. Lombard Col, 12, LL.D. 23; A.M. Illinois, 13, Ph.D. 15, LL.D. 67; fel, Pennsylvania, 15-16; hon. LL.D. Knox, 60. Instr. int. law, Harvard, 16-19; asst. prof. polit. sci, Minnesota, 19-21, assoc. prof, 21-22, prof, 22-23; Chicago, 23-31, INT. LAW, 31-56; VIRGINIA, 58-60, EMER. PROF, 60- Guggenheim fel, 25; res. scholar, Carnegie Endowment for Peace, 56-57. Vis. prof, various Am. & for. univs. & insts, 29- Consult, U.S. Dept. State, 44-45; tech. adv. Int. Mil. Tribunal, Nuremberg, Germany, 45; consult, UNESCO, 49; High Cmnr, Germany, 50. Spec. asst, U.S. Dept. Navy 18, 21. Prize essay, Inst. for Soc. Res, Oslo, Norway, 54; award, Am. Coun. Learned Socis, 61. Polit. Sci. Asn.(pres, 49); Am. Soc. Int. Law (pres, 55-56); Int. Polit. Sci. Asn.(pres, 50-52); Philos. Soc.(Phillips prize, 21); Am. Acad. Arts & Sci; Int. Law Asn; Inst. Int. Law. Conflict and war; international relations. Publ: The study of international relations; The strengthening of international law; The role of international law in the prevention of war, Manchester Univ, 61. Address: Dept. of Foreign Affairs, University of Virginia, 232 Cabell Hall, Charlottesville, Va. 22901.
- WRIGHT, DR. ROBERT STUART, b. New York, N.Y., Jan. 31, 13; m. 43; c. 3. PSYCHOLOGY. Ph.B. Vermont, 35; M.A. Columbia, 38; fel, St. Lawrence, 38-39; Ph.D.(human develop), Chicago, 54. Prof. polit. sci, Jaffna Col, Ceylon, 39-42; instr. sociol. & psychol, Mich. State Col, 50-52; proj. dir, indust. & ed. morale surv, Sci. Res. Assocs, 53; res. psychologist, U.S. Pub. Health Serv, 54-58; prog. dir, Appl. Psychol. Corp, 59-62; selection consult, Peace Corps, 62-63; grants assoc, DIV. RES. GRANTS, NAT. INSTS. HEALTH, 63-64, SCI. ADMINSTR. & ACTING CHIEF, GEN. SYSTS. RES. SECT, 64-; Lectr. race rels, grad. sch, Dept. Agr; lectr. psychol, Found. for Grad. Ed. in Sci, Nat. Insts. Health. Chmn. subcm. on principles, Road User Cmt, Hwy. Res. Bd, Nat. Acad. Sci-Nat. Res. Bd. AAAS; Psychol. Asn; Sociol. Asn; Soc. Gen. Sys. Res. Research methodology; evaluation of science; general systems research; personality analysis. Publ: Turnover and job satisfaction, Hosps; Criteria of system effectiveness, Radio Corp. Am. Report; co-auth. Effects of instructions and distance judgement aids on automobile following distance, Hwy. Res. Bd. Bull. Address: 415 E. Jefferson St, Falls Church, Va. 22046.
- WRIGHT, DR. THEODORE P(AUL), JR, b. Port Washington, N.Y., Apr. 12, 26. POLITICAL SCIENCE. B.A. Swarthmore Col, 49; M.A. Yale, 51, Ph.D.(int. rel), 57. Asst. int. rel, Yale, 51-52, polit. sci, 55; res. analyst, U.S. Dept. Defense Res. Proj, Georgetown, 52-53; instr. govt, Bates Col, 55-57, asst. prof, 57-64, ASSOC. PROF, 64-65; POLIT. SCI, GRAD. SCH. PUB. AFFAIRS, STATE UNIV. N.Y. ALBANY, 65- Carnegie fel, Chicago, 61-62; Fulbright summer grant, Inst. Indian Civilization, Osmania, India, 61, res. prof, India, 63-64; Peace Corps lectr, 66; assoc. dir, State Univ. N.Y. Int. Col. Faculty Seminar on Islamic Civilization, 66-67; Nat. Defense For. Lang. summer fel, California, 67; lectr, Cincinnati Coun. World Affairs, Faculty Enrichment Sequence II: South Asia, 67. U.S.N. 44-46. Polit. Sci. Asn; Asn. Asian Studies. Comparative politics in South Asia. Publ: American support of free elections abroad, Public Affairs Press, 64; The Muslim league in South India since independence, Am. Polit. Sci. Rev, 9/66; Effectiveness of Muslim representation in India, In: Politics and religion in South Asia, Princeton Univ, 66. Address: Graduate School of Public Affairs, State University of New York, 179 Partridge St, Albany, N.Y. 12203.
- WRIGHT, PROF. THOMAS J, b. Jenkintown, Pa, Oct. 22, 06; m. 31; c. 2. INDUSTRIAL MANAGEMENT. E.E. Lehigh, 27; M.Ad.E. N.Y. Univ, 49. Test engr. elec. equip, Consol. Edison Co. of N.Y. 27-29, instr. sci. & math, 29-34, wage & salary mgr, 34-44; Bigelow-Sanford Carpet Co, 46-52; private consult, 52-55; ASST. PROF. elec. eng, MANHATTAN COL, 55-59, INDUSTR. MGT, 59- U.S.N. 44-46, Lt. Comdr. Inst. Indust. Eng; Sys. & Procedures Asn; Soc. Personnel Admin; Inst. Mgt. Sci. Systems and procedures; production management; personnel management; operations research. Personnel quality control, In: Administrative control & executive action. Address: Dept. of Industrial Management, Manhattan College, New York, N.Y. 10471.
- WRIGHT, PROF. VERNE COLSON, b. Wadena, Minn, Nov. 7, 03. SOCIOLOGY. A.B. Minnesota, 26; A.M. Pittsburgh, 27; Ph.D. Wisconsin, 31. Instr. SOCIOL, PITTSBURGH, 29-31, asst. prof, 31-37, ASSOC. PROF, 37- ADMIN. OFFICER, 60- Sociol. Asn; Soc. Study Social Probs. Social stratification; social change. Publ: Co-auth. General sociology. Address: Dept. of Sociology, University of Pittsburgh, Pittsburgh, Pa. 15213.
- WRIGHT, PROF. WALLACE, b. Rochester, N.H., Oct. 19, 97. ECONOMICS. A.B. Dartmouth Col, 19; A.M. Stanford, 24, Ph.D. 30. Asst. prof, ECON. IOWA STATE, 30-31; assoc. prof, 31-38, prof, 38-65, EMER. PROF, 65- Monetary and banking theory; history of economic thought. Address: 713 Eighth St, Ames, Iowa 50010.
- WRIGHT, DR. WILLIAM T(HOMAS), JR, b. Winfield, Kans, Dec. 27, 23; m. 48; c. 3. CLINICAL PSYCHOLOGY. A.B. Southwest Col, 48; Cornell, 43-44; fel. & M.S. Kansas State, 49; Texas, 49-50; Ph.D. Denver, 58. Psychologist, State Training Sch, Winfield, Kans, 50-51; clin. psychologist, Larned State Hosp, 51-53; Hertzler Clin, Halstead, 53-56, chief clin. psychologist, 58-61; consult. psychologist, Consult. Psychol. Serv, Denver, Colo, 56-58; CHIEF CLIN. PSYCHOLOGIST, PRAIRIE VIEW HOSP, 61- Consult. psychol. serv. children, Univ. Denver, 57; Youthville, Newton, Kans, 58; Harvey County Bd. Soc. Welfare, 60-; Harvey County Soc. Welfare Agency, 67- Med.C. U.S.A., 42-46. Psychol. Asn; Group Psychother. Asn. Psychophysiology; effects of phenobarbital on learning behavior; adjunctive two therapist group therapy technique improve consensual validation between mother and child. Publ: Alseroxyllon: a study of the psychological effects of the drug, J. Kans. Med. Soc. Address: Prairie View Hospital, Newton, Kans. 67114.
- WRIGHT, WILLIAM W(EBB), b. New York, N.Y., Oct. 20, 14; m. 42; c. 2. STATISTICS. A.B. Harvard, 35, M.B.A. 37; Columbia, 46-50. Asst. American Univ, 37-38; res. analyst, anti-trust div, U.S. Dept. Justice, 38-39; mkt. researcher, Dun & Bradstreet, Inc, 40, 46-49; mgr, home off. res, F.W. Dodge Corp, 49-53; res. mgr, Time, Inc, 53-54; INDUST. MKT. RESEARCHER, CORNING GLASS WORKS, 54- U.S.A. 41-46, Mil. Intel. Res, 59-64, Maj. Statist. Asn; Mkt. Asn. Marketing research; business economics. Address: Corning Glass Works, Corning, N.Y. 14830.
- WRIGHT, DR. WILLIAM WOODRUFF, JR, b. Atlanta, Ga, May 22, 31; m. 56; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. B.B.A. Georgia, 56, M.A.,

58; Ph.D.(econ), Alabama, 63. Gen. mgr. bus. South. States Printing Corp, 56-58; asst. prof. ECON, WOFFORD COL, 59-61, assoc. prof, 61-67, T.B. STACKHOUSE PROF, 67-, CHMN DEPT. ECON. & BUS, 59- U.S.N. 50-54. Econ. Asn. Public school teacher education in economics and the social sciences; the fight against economic illiteracy. Address: 312 Pine Lake Court, Spartanburg, S.C. 29301.

WRIGHTSMAN, PROF. LAWRENCE S(AMUEL), JR, b. Houston, Tex, Oct. 31, 31; m. 55; c. 1. PSYCHOLOGY. B.A. Southern Methodist, 53, M.A. 54; Ph.D., Minnesota, 59. Instr. PSYCHOL, Minnesota, 55-58; asst. prof. GEORGE PEABODY COL, 58-61, assoc. prof, 61-66, PROF, 66-, exec. officer, 61-66. Instr. Hamline, 56-57; vis. assoc. prof, Hawaii, 65-66. Consult. res. grant, N.Y. Univ, 61-63; consult. eval, Proj. Mid-Tenn, 66-68; Proj. Reachhigh, 67- Psychol. Asn; Soc. Sci. Study Relig. Social psychology, especially interpersonal interaction; social attitudes; measurement techniques. Publ: Contemporary issues in social psychology, Brooks/Cole, 68; co-auth, Psychology: a scientific study of man, Wadsworth, 3rd ed. (in press); auth, Effects of waiting with others on changes in level of felt anxiety, J. Abnorm. & Soc. Psychol. Address: Dept. of Psychology, George Peabody College for Teachers, Nashville, Tenn. 37203.

WRIGHTSTONE, DR. J(AY) WAYNE, b. Mechanicsburg, Pa, Mar. 4, 04; m. 35; c. 2. PSYCHOLOGY. B.S. Pennsylvania, 25; M.A. N.Y. Univ, 28; Ph.D.(ed. res), Columbia, 33. Res. assoc. psychol. teachers col, Columbia, 32-37; asst. prof. ed. bur. ed. res, Ohio State, 37-40; DIR. RES. CITY BD. ED, NEW YORK, 40- Pres. Am. Ed. Res. Assn, 45. AAAS; Psychol. Asn. Educational research; learning and child development; psychological and educational tests; measures of attitudes; thinking and social behavior. Publ: Evaluation in modern education; How to become a better student; Elementary educational psychology. Address: New York City Board of Education, 110 Livingston St, Brooklyn, N.Y. 11201.

WRIGLEY, PROF. CHARLES, b. Auckland, N.Z, Feb. 23, 17; nat; m. 42; c. 4. PSYCHOLOGY. B.A. New Zealand, 38, M.A. 40; Ph.D.(psychol), London, 49. Asst. lect. exp. psychol, Otago, N.Z. 40-42; psychologist, Royal N.Z. Air Force, 42-45; res. asst, London Sch. Econ, 47; asst. prof. PSYCHOL, McGill, 49-51; Illinois, 51-55; vis. assoc. prof. California, 55-57; assoc. prof. MICH. STATE, 57-59, PROF, 59-, DIR. COMPUT. INST. SOC. SCI. RES, 63- Am. Psychol. Asn; Statist. Asn; Psychomet. Soc; Brit. Psychol. Soc. Political psychology; multivariate analysis; electronic computation. Publ: Use of the square root method to identify factors in the job performance of aircraft mechanics, Psychol. Monogr; Quartimax method & Prediction of a complex aptitude, Brit. J. Statist. Psychol. Address: Computer Institute for Social Science Research, Michigan State University, East Lansing, Mich. 48823.

WRIGLEY, DR. ROBERT L, JR, b. Logan, Utah, July 5, 11. ECONOMIC GEOGRAPHY. B.S. Utah State Agr. Col, 34, M.S. 35; Ph.D.(geog), Chicago, 42. Asst. prof. geog, North Carolina, 42-43; sr. res. planner, Chicago Planning Cmn, 43-48; regional geogr, U.S. Bur. Census, 48-52; regional econ, U.S. Dept. Commerce, 53; chief proj. planning br, Md. Nat. Capital Park & Planning Cmn, 53-59; prog. planning officer, area redevelop. admin, U.S. DEPT. COMMERCE, 59-64, dep. chief area surv. div, 64-65, area plans div, ECON. DEVELOP. ADMIN, 65-66, CHIEF DIST. PLANS DIV, 67- Inst. Planners; Soc. Planning Off. Urban land use; surveys and planning; area and regional economic planning and development; geographic studies. Address: 3001 Old Dominion Blvd, Alexandria, Va. 22305.

WRINCH, PROF. PAMELA N(ICHOLSON), b. London, Eng, Mar. 20, 27; nat. POLITICAL SCIENCE. A.B. Michigan, 48, M.A. 49; Ph.D., Yale, 54. Instr. govt. & int. rels, Connecticut, Hartford, 55; polit. sci, Wellesley Col, 55-57; vis. asst. prof. GOVT, Boston, 57-58, asst. prof, 58-64; ASSOC. PROF. CURRY COL, 64-, chmn. dept. hist. & govt, 64-67. Res. fel, Russian Res. Center, Harvard & Inter-Univ. Cmt. travel grant, U.S.S.R., 60-61; Rockefeller Found. fel, 61-62; vis. asst. prof, West Virginia, 62-63. Polit. Sci. Asn; Asn. Adv. Slavic Studies; Brit. Asn. Adv. Sci. Publ: Military strategy of Winston Churchill; Science and politics in the U.S.S.R.: the genetics debate, World Polit; Sir Winston Churchill on the military requirements of Great Britain, Pub. Policy. Address: 117-B Gardiner Rd, Woods Hole, Mass. 02543.

WRONG, PROF. DENNIS HUME, b. Toronto, Ont, Nov. 22, 23; m. 66; c. 1. SOCIOLOGY. B.A. Toronto, 45; fel, Can. Soc. Sci. Res. Coun, 53-54; Ph.D., Columbia, 56; hon. M.A. Brown, 60. Instr. sociol, Princeton, 49-50, res. assoc, inst. adv. study, 51-52; instr. SOCIOLOGY, Newark Colls, Rutgers, 50-51; lectr, Toronto, 54-56; from asst. prof. to assoc. prof, Brown, 56-61; grad. faculty polit. & soc. sci, New Sch. Soc. Res, 61-63; PROF, N.Y. UNIV, 63- Sociol. Asn. Sociological theory; political sociology; population studies; social stratification; history of social thought; psychoanalysis and society. Publ: Population and society, Random, 3rd ed, 67; Functional theory of stratification: some neglected considerations & Oversocialized conception of man in modern sociology, Am. Sociol. Rev. Address: Dept. of Sociology, New York University, New York, N.Y. 10453.

WRONSKI, PROF. STANLEY P(AUL), b. Minneapolis, Minn, Apr. 8, 19; m. 43; c. 5. SOCIOLOGY. B.S. Minnesota, 42, M.A. 47, Ph.D.(soc. sci), 50. Instr. soc. studies, Minnesota, 49-50; asst. prof, Cent. Wash. State Col, 50-51; ED, Boston, 51-54, assoc. prof, 54-57; MICH. STATE, 57-60, PROF, 60-, CAMPUS COORDINATOR, THAILAND PROJ, 66- Consult, Int. Coop. Admin, 59; U.S. Off. Ed, 60-61; adv. Ed. Planning Off, Ministry Ed, Thailand, 64-66. U.S.N. 43-46, 61-62, Comdr. Mem. Nat. Coun. Soc. Studies. Sociol. Asn. Use of government publications in social studies teaching; understanding of basic sociological concepts by social studies teachers. Publ: Co-auth, Teaching social studies in high school, Heath, 64, Modern economics & Secondary education, manpower and educational planning in Thailand. Address: College of Education, Michigan State University, East Lansing, Mich. 48823.

WTULICH, DR. JOSEPHINE, b. Poughkeepsie, N.Y, June 15, 30. CRIMINOLOGY. B.A. Vassar Col, 46; M.S. Fordham, 49, Ph.D. 59. Consult, Cath. Youth Orgn, 48-49; recreation dir, Cath. Hosp, 49-50; group worker, Youth

Bd, City of New York, 51-52, counsr, Employ. Dept, 52-53; soc. serv. dir, St. Francis Hosp, 53-54; asst. prof. sociol, Marygrove Col, 54-62; assoc. prof. SOCIOLOGY & ANTHROPOLOGY, Col. Notre Dame (Md), 62-65; Col. Misericordia, 65-67, chmn. dept, 66-67; PROF. & CHMN. DEPT. COL. NOTRE DAME (MD), 67- Summer asst. prof, Catholic Univ, 62 & 63; asst. prof, Scranton, 65-66; summer fel, Nat. Sci. Found. Inst. Anthropol, 67. Sociol. Asn; Soc. Criminol. Theory of small groups; delinquents; self-concept; sociology of racism and nationalism; system of Timasheff; anomie. Publ: Teilhard de Chardin: theory of social evolution, In: Sociological theory, rev. ed, Random. Address: Dept. of Sociology, College of Notre Dame, Baltimore, Md. 21210.

WU, DR. DEMIN, b. Taipei, Taiwan, July 6, 33; m. 60; c. 2. ECONOMICS. B.A. Taiwan, 56; Ph.D.(econ), Wisconsin, 63. Proj. assoc. ECON, Univ. Wisconsin, 62-64; ASST. PROF. KANSAS, 64- Econ. Asn; Economet. Soc; Statist. Asn. Econometric methods; empirical studies of consumer behavior. Publ: An empirical analysis of household durable goods expenditure, Econometrica, 10/65. Address: Dept. of Economics, University of Kansas, Lawrence, Kans. 66044.

WU, DR. HSU-KWANG, b. China, Dec. 14, 35; U.S. citizen. ECONOMICS, FINANCE. A.B. Princeton, 58; M.B.A. Pennsylvania, 60, Ph.D.(econ), 63. Asst. prof. FINANCE, BOSTON, 62-65, ASSOC. PROF, 65- Vis. Sloan faculty fel, Sloan Sch. Mgt, Mass. Inst. Tech, 65-66. Econ. adv. off. comptroller currency, U.S. Dept. Treas, 66- Econ. Asn; Statist. Asn; Finance Asn; Inst. Mgt. Sci; Economet. Soc. Money and capital markets. Publ: Co-ed, Elements of investment, Holt, 65; auth, Corporate insider trading in the stock market, 1957-1961, Nat. Banking Rev, 3/65 & An economist looks at Section 16 of the Securities Exchange Act of 1934, Columbia Law Rev, 2/68. Address: College of Business Administration, Boston University, Boston, Mass. 02215.

WU, PROF. NELSON I, Hist. of Art, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WU, DR. SHIH-YEN, b. China, Mar. 26, 30. ECONOMICS, STATISTICS. A.B. Oberlin Col, 54; Ph.D. Northwestern, 61. Vis. lectr. econ, Lake Forest Col, 58; Minnesota, 58-59; asst. prof. ECON. & STATIST, Calif. State Col. Los Angeles, 59-64; ASSOC. PROF, IOWA, 64- Nat. Sci. Found. summer fel, 61, grant, 67-68. Statist. Asn; Economet. Soc; Inst. Math. Statist. Determination of a price, output and sales equilibrium in an industrial market; medical economics. Publ: Co-auth, An introduction to modern demand theory, Random, 67. Address: Dept. of Economics, University of Iowa, Iowa City, Iowa 52240.

WUBBELS, PROF. ROLF E, b. N.J., Aug. 29, 18. ECONOMICS. B.S. N.Y. Univ, 40, M.B.A. 41, Ph.D., 49; Rochester, 45-46. Asst. prof. econ, Millsaps Col, 42-45; instr. bus. admin, Rochester, 45-46; asst. prof. finance & mgt, Temple, 46-49; from asst. prof. to assoc. prof. FINANCE, N.Y. UNIV, 49-62, PROF, 62- Prof, Southern Mississippi, 66-67. Indust. consult, 49- Corporate proxy regulation. Address: Dept. of Finance, School of Commerce, New York University, New York, N.Y. 10003.

WUBBEN, PROF. WILLIAM DAVID, b. Chicago, Ill, Sept. 14, 24. ECONOMICS, BUSINESS ADMINISTRATION. Ph.B. Chicago, 45, M.B.A. 48; Ph.D. (econ), Claremont Grad. Sch, 58. PROF. ECON. & BUS. ADMIN, NORTH CAROLINA, CHARLOTTE, 65- Econ. Asn. Address: Dept. of Economics & Business Administration, University of North Carolina at Charlotte, Charlotte, N.C. 28202.

WUEBBEN, DR. PAUL LANE, b. Le Mars, Iowa, Aug. 25, 38; m. 59. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A. Iowa, 60, Woodrow Wilson fel, Wisconsin, 60, univ. fel, 61-64, M.S. 63, Vilas fel, 64, Ph.D.(sociol), 66. ASST. PROF. SOCIOLOGY, CALIFORNIA, SANTA BARBARA, 65-, summer faculty res. fel, 67. Sociol. Asn; Psychol. Asn. Attitude change; small groups; social psychology of experimental situations; experimental design. Publ: Co-auth, Data processing of machine scored questionnaires, Ed. & Psychol. Measurement, spring 67; auth, Honesty of subjects and birth order, J. Personality & Soc. Psychol, 3/67 & Experimental design, measurement, and human subjects: a neglected problem of control, Sociometry, 3/68. Address: Dept. of Sociology, University of California, Santa Barbara, Calif. 93106.

WUEST, PROF. FRANCIS JOSEPH, b. Philadelphia, Pa, Jan. 22, 30; m. 53; c. 4. PSYCHOLOGY. B.A. La Salle Col, 51; M.A. Fordham, 53; Ph.D.(psychol), Brown, 61. Statistician, Pan Am. World Airways, 52-53; res. psychologist, human factors sect, elec. boat div, Gen. Dynamics Corp, 56-59; teaching asst. PSYCHOL, Brown, 59-61; asst. prof, LEHIGH, 61-63, assoc. prof, 63-66, PROF, 66-, CHMN. DEPT, 63- Consult, Gen. Dynamics Corp, 59-66; Entelek, Inc. & Scott Res. Lab, 61-63. U.S.A. 53-56, 1st Lt. Psychol. Asn. Psychophysics; visual perception; engineering psychology. Address: Dept. of Psychology, Lehigh University, Bethlehem, Pa. 18015.

WULFECK, DR. JOSEPH W(ALLACE), b. Bowling Green, Ky, May 31, 24; m. 45; c. 3. PSYCHOLOGY. B.S. Tufts Col, 47, M.S. 48; Ph.D.(psychol), Rochester, 52. Instr. psychol, Tufts, 51-53, asst. prof, 53-57, assoc. prof, 57-58, res. assoc, inst. appl. exp. psychol, 51-54, dir, 54-58; prog. dir. & res. mgr. Santa Monica Br, DUNLAP & ASSOCs, INC, 58-60, v.pres. & dir. Santa Monica Div, 60-63, PRES. WEST. DIV, 63- Consult, Arthur D. Little, Inc, 53-58; mem. joint cmt. vision, Armed Forces-Nat. Res. Coun, 54-60. Psychol. Asn; Human Factors Soc; Optical Soc; Soc. Photogram. Psychophysiology of vision; human factors engineering; research administration. Publ: Language of dynamic psychology; co-ed, Form discrimination as related to military applications; co-auth, Vision in military aviation. Address: Dunlap & Associates, Inc, 1454 Cloverfield Blvd, Santa Monica, Calif. 90404.

WULFECK, DR. WALLACE H(OWARD), b. Cincinnati, Ohio, Sept. 6, 00; m. 40; c. 1. PSYCHOLOGY. B.A. YMCA Grad. Sch, 32; Akron, 30-31; fel, Yale, 32-38, Ph.D.(psychol), 38. Prof, Larson Jr. Col, Conn, 33-36, 37-38; res. assoc, Neuro-Psychiat. Inst, 36-37; assoc. psychologist, div. indust.

- hyg, U.S. Pub. Health Serv, 38-39; assoc. dir. mkt. res, Psychol. Corp, 39-42; dir. res. & v-pres, Fed. Advert. Agency, Inc, 42-50; v.chmn. bd, Wm. Esty Co, Inc, 50-62; RETIRED. Res. assoc, Nat. Defense Res. Cmt. Contract, Princeton, 41-42. Mem. Mkt. Res. Coun. AAAS; fel. Psychol. Asn. Motor function in the mentally disordered and normals; public opinion; public relations. Address: Scottswood, R.D. 2, Stockton, N.J. 08559.
- WULFF, DR. J(OHN) JEPSON, Psychol, see 10th ed, Soc. & Behav. Vols.
- WUNDERLICH, PROF. FRIEDA, Labor Rels, see 10th ed, Soc. & Behav. Vols, deceased 66.
- WUNDERLICH, DR. GENE L(EE), b. Bottineau, N.Dak, Sept. 29, 28; m. 57; c. 1. ECONOMICS. B.S. North Dakota, 49; M.S. Iowa State, 51, Ph.D. 55; Fulbright grant, Bombay, 53-54. Agr. economist land econ, Agr. Res. Serv, U.S. DEPT. AGR, 55-58, leader land tenure, ECON. RES. SERV, 58-64, asst. chief land & water, 64-65, CHIEF RESOURCES INSTS. BR, 65- Fulbright-Hays res. fel, 62-63; sr. fel. law, Yale, 66-67. Econ. Asn; Agr. Econ. Asn; Asn. Evolutionary Econ; Indian Soc. Agr. Econ. Land economics; studies of problems of tenancy, ownership, agrarian reform, cost-benefit in recreation, methodology and land policy. Publ: Co-auth, Methods for land economics research, Univ. Nebraska, 66; auth, Cost of communicating by transportation, J. Econ. Issues; Measurement and inference in legal-economic research, In: Methods for legal-economic research into rural problems, Univ. Iowa, 9/66. Address: Natural Resource Economics Division, Economic Research Service, U.S. Dept. of Agriculture, Room 1670, 14th & Independence Ave, Washington, D.C. 20250.
- WUNDERLICH, DR. GOOLOO S, b. Bombay, India, Aug. 21, 30; nat; m. 57; c. 1. DEMOGRAPHY, SOCIOLOGY. B.A. Bombay, 49, M.A. 51, scholar, 51-54, Ph.D. 55. Res. asst, Pop. Res. & Training Center, 56-57; statistician, tuberc. prog, U.S. Pub. Health Serv, 58-61, div. accident prev, 61-62; surv. statistician, Nat. Center Health Statist, 62-66; statistician, pop. div, U.S. Bur. Census, 66; DEMOGRAPHER, Nat. Adv. Cmn. Rural Poverty, 66-67; OFF. DEP. ASST. SECY. FOR POP. & FAMILY PLANNING, DEPT. HEALTH, ED. & WELFARE, 67- Am. Asn. Univ. Women int. scholar, Minnesota, 55-56; Pop. Coun. fel, Chicago, 55-57. Sociol. Asn; Statist. Asn; Pop. Asn; Pub. Health Asn. Demographic studies; analysis of health statistics; methods of research. Publ: Co-auth, A peculiar population problem: the Parsis in India, J. AKD, spring 56; Hepatic toxicity of pyrazinamide used with isoniazid in tuberculous patients, Am. Rev. Tuberc, 9/59; Estimating of marital fertility rates by educational attainment using a survey of new mothers, Demography. Address: 6027 Lomack St, Alexandria, Va. 22312.
- WUNDERLICH, PROF. RICHARD A(UGUST), b. North Braddock, Pa, Aug. 6, 29; m. 51. PSYCHOLOGY. B.A. Pittsburgh, 51; M.A. West Virginia, 52; Ph.D. Hopkins, 59. Instr. PSYCHOL, Monongalia Gen. Hosp, 51-52; Georgia, 53-54; ASST. NAT. INSTS. HEALTH, 57-; ASST. PROF. CATHOLIC UNIV, 59- Res. assoc, U.S. Air Force Cambridge Res. Center, 59- Consult, Vet. Admin, 59; George Washington, 61. U.S.A. 54-56, Res, 56- Psychol. Asn. Learning in monkeys, normal children and retardates; human factors. Publ: Co-auth, Discrimination of concentric-ring patterns by monkeys, J. Comp. Physiol. Psychol, 10/58; auth, Strength of a generalized reinforcer as a function of variability of reward, J. Exp. Psychol, 61; co-auth, Stimulus, response and reward contiguity in pattern discrimination by children, J. Exp. Child Psychol, in press. Address: Dept. of Psychology, Catholic University, Washington, D.C. 20017.
- WURFEL, DR. DAVID OMER DRURY, b. Seattle, Wash, May 22, 29; m. 64; c. 1. POLITICAL SCIENCE. B.A. San Diego State Col, 50; M.A. California, Berkeley, 53; Ford Found. fel, Philippines, 55-56; Southeast Asia fel. & Ph.D.(polit. sci), Cornell, 60. Lectr, Wells Col, 57-58; instr. polit. sci, Int. Christian Univ, Tokyo, 59-61, asst. prof, 61-62; Missouri, Columbia, 62-64; vis. lectr, Singapore, 64-65; ASSOC. PROF, Missouri, Columbia, 65-68; ASIAN STUDIES, WINDSOR, 68- Soc. Sci. Res. Coun. faculty res. grant, 61; vis. assoc. prof, Michigan, 66-67. U.S.A. 52-54. Asia Soc; Polit. Sci. Asn; Asn. Asian Studies. Comparative politics, especially development process in Southeast Asia; comparative foreign policy, and comparative study of political elites, especially in Asia. Publ: Co-auth, Governments and politics in Southeast Asia, Cornell, 59, 64; Southeast Asia: problems for U.S. policy, M.I.T. Press, 63; United States and the Philippines, Prentice-Hall, 66. Address: Dept. of Asian Studies, University of Windsor, Windsor, Ont, Can.
- WURFEL, PROF. VIOLET E.M, b. Iowa City, Iowa, Sept. 22, 05; m. 32; c. 2. POLITICAL SCIENCE. B.A. Pomona Col, 29; M.A. Virginia, 46, Ph.D.(int. rels), 51. PROF. POLIT. SCI. N.C. COL, DURHAM, 61-, chmn. dept, 62-67. Development of political party system in post-war Germany, 1955-56; American policies in the strategic trust territory of the south Pacific 1963-65. Publ: American policies for development of dependent peoples toward self-government, Varia, spring 66. Address: 421 Westwood Dr, Chapel Hill, N.C. 27514.
- WURTELE, DR. ZIVIA SYRKIN, b. New York, N.Y., Apr. 1, 21; m. 42; c. 2. STATISTICS, ECONOMETRICS. B.A. Hunter Col, 40; Radcliffe Col, 40-41; M.A. California, Los Angeles, 44; Fulbright fel, Paris, 49-50; Ph.D.(math. statist), Columbia, 54. Res. fel. economet, Harvard, 56-58; asst. res. statistician, California, Los Angeles, 59-61, assoc. res. statistician, 62-65; CONSULT. MATH. MODELS, SYST. DEVELOP. CORP, 66- Consult, Rand Corp, 67. Economet. Soc; Inst. Math. Statist; Regional Sci. Asn. Development and analysis of mathematical models of economic and sociological phenomena. Publ: A note on some stability properties of Leontief's dynamic models, Econometrica, 10/59; Equilibrium in a uniformly expanding closed Leontief-type system, Rev. Econ. Studies, 10/60; A problem in pattern recognition, J. Soc. Indust. Appl. Math, 3/65. Address: 432 E. Rustic Rd, Santa Monica, Calif. 90402.
- WURTZ, DR. KENNETH R(OBERT), Psychol, see 10th ed, Soc. & Behav. Vols.
- WYAND, DR. MARTIN JUDD, b. Greenwich, Conn, May 28, 31. ECONOMICS. B.A. Pa. State, 53, M.A. 54; Ph.D.(econ), Illinois, 64. Teaching asst. econ, Pa. State, 53-54; admin. asst, Bell Tel. Co, 57-60; teaching asst. ECON, Illinois, 60-64; ASST. PROF, DENVER, 64- Shell Oil grant, Exp. Int. Living econ. study prog. in Sweden, summer, 66. U.S.A.F. 54-56, Res, 56-, Maj. Econ. Asn; Asn. Evolutionary Econ. Comparative economic systems; government and business relations; economy and legal environment. Address: 2213 S. High St, Denver, Colo. 80210.
- WYATT, DR. A(NDY) J(ACK), Poultry Breeding, Genetics, see 11th ed, Phys. & Biol. Vols.
- WYATT, DR. DALE FORD, b. Columbus, Ohio, Jan. 19, 23; m. 48; c. 4. PSYCHOLOGY. B.A. Denison, 47; M.A. Ohio State, 49, Ph.D.(psychol), 53. Asst. Ohio State, 49-50; res. psychologist, human resources res. center, U.S. Air Force, 50-53; secy. indust. rels. cmt, Inland Steel Co, 53-57; mgr. prod. res. & creative res, Toni Co. Div, Gillette Co, 57-64; RES. MGR. COMMERCIAL RES. DEPT, QUAKER OATS CO, 64- U.S.A. 42-45. Psychol. Asn; Mkt. Asn. Industrial psychology; market research; statistics. Address: Commercial Research Dept, Quaker Oats Co, Merchandise Mart, Chicago, Ill. 60654.
- WYATT, PROF. FREDERICK, b. Vienna, Austria, Aug. 25, 11; nat; m. 54; c. 1. CLINICAL PSYCHOLOGY. Ph.D. Vienna, 36; London, 38; Columbia, 39. Psychol. asst. med. sch, Vienna, 34-38; res. assoc. psychol, Ohio State, 39-40; Harvard, 41-43, 46-49; spec. instr, Simmons Col, 43-45; chief clin. psychol, Cushing Vet. Admin. Hosp, 49-52; PROF. PSYCHOL. & CHIEF PSYCHOL. CLIN, MICHIGAN, 52-, Rackham Fund fcls, 55, 56 & 60. Assoc. prof, Clark, 47-52; Fulbright lectr, Hamburg, 56; psychol. inst, Univ. Oslo, 66-67, Ford Found. Prof, 61. Psychologist, Mass. Gen. Hosp, 43-49; chief psychologist, McLean Hosp, 44-49. Dipl. Am. Bd. Exam. Prfl. Psychol. Fel. Am. Orthopsychiat. Asn; fel. Am. Psychol. Asn; Soc. Proj. Tech. & Personality Assessment (pres, 65-66); cor. mem, Norwegian Psychoanal. Asn. Practice, theory and teaching of psychotherapy; psychoanalytic theory, especially of ego, cognition and fantasy; psychological conditions of fertility and reproduction; application of psychology to historical and literary studies; late adolescence and young adulthood as a developmental and adaptive stage. Publ: The reconstruction of the individual and of the collective past, In: The study of lives, Atherton & Prentice-Hall, 63; How objective is objectivity?, J. Proj. Tech, 31: 3-19; Clinical notes on the motives of reproduction, J. Soc. Issues, 23: 29-56. Address: Psychological Clinic, University of Michigan, 1027 E. Huron St, Ann Arbor, Mich. 48104.
- WYATT, LAURENCE, b. Croydon, Eng, July 21, 21; nat; m. 46; c. 2. POLITICAL SCIENCE. B.A. Reed Col, 43; M.A. Minnesota, 47. Res. asst. intergovt. rels, Minnesota, 46-48, instr. social sci. surv, 48-50; res. asst. pub. health personnel surv, Yale, 50-51; pub. health analyst, U.S. Pub. Health Serv, 51-53, int. health rep, 53-59; for. affairs officer, U.S. Dept. State, 59-61; dir. int. prog. rels, DEPT. HEALTH, ED. & WELFARE, 61-65, PROG. ANAL. OFFICER, OFF. ASST. SECY. PLANNING & EVAL, 65- Mem, Montgomery County Bd. Ed, Md, 66-; Prog. Anal. Group Ed. Disadvantaged Children, 67. Can. Army, 43-46. Polit. Sci. Asn; Soc. Pub. Admin. International organization; public health; systems analysis. Publ: Intergovernmental relations in public health. Address: 10704 Shelley Court, Garrett Park, Md. 20766.
- WYATT, DR. RUTH (FOX), Psychol, see 10th ed, Soc. & Behav. Vols.
- WYATT, PROF. WOODROW W, Statist, see 10th ed, Soc. & Behav. Vols.
- WYCKOFF, DR. JEAN B(RATTON), b. Russell, Kans, Sept. 21, 32; m. 55; c. 3. AGRICULTURAL ECONOMICS. B.S. Oregon State, 53, M.S. 57; Ph.D. (agr. econ), Washington State, 63. Jr. agr. economist, Washington State, 57-60, asst. prof. agr. econ. & asst. agr. economet, 60-63; mgr. mkt. res. dept, Am. Sheep Producers Coun, 63-64; chmn. div. agr. econ. & ed. Nevada, 64-66; HEAD DEPT. AGR. & FOOD ECON, MASSACHUSETTS, AMHERST, 66- Guest lectr, Agr. Serv. Found, 67; Int. Asn. Agr. Economists travel grant, 67. Mem, Nat. Agr. Exten. Policy Cmt, 64- U.S.A. 53-55. Agr. Econ. Asn; Econ. Asn; Mkt. Asn; Water Resources Asn; Int. Asn. Agr. Econ. Natural resource economics, especially water resources; impact of urban growth on natural resource use and quality of environment; agricultural marketing and policy, especially livestock and resource use. Publ: Co-auth, A report on the Washoe project, Univ. Nevada, 64, Lamb and the consumer, Am. Sheep Producers Coun, 65. Address: Dept. of Agricultural & Food Economics, University of Massachusetts, Amherst, Mass. 01002.
- WYCKOFF, DR. L(EWIS) BENJAMIN, JR, b. Niagara Falls, N.Y., Dec. 23, 22; m. 48; c. 2. PSYCHOLOGY. B.S. Antioch Col, 46; Ph.D. Indiana, 52. Instr. psychol, Wisconsin, 51-54, asst. prof, 54-59; assoc. prof, Emory, 59-62; dir, Human Develop. Inst, 62-66; RES. DIR. VOC. REHAB, GA. STATE DEPT. ED, 66- Psychol. Asn. Experimental psychology; learning theory; programmed instruction; interpersonal relations programs. Publ: Role of observing responses in discrimination learning, Psychol. Rev; co-auth, General relationship improvement program, 63 & Improving communications in marriage, 64, Human Develop. Prog. Address: 1711 Ridgewood Dr. N.E, Atlanta, Ga. 30307.
- WYCKOFF, PROF. THEODORE, b. New York, N.Y., Feb. 24, 22; m. 45; c. 3. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A. California, Los Angeles, 42; M.A. & M.P.A., Princeton, 57; Ph.D.(polit. sci), Bonn, 68. Lectr. polit. sci, Maryland, 58-60; prof. mil. sci, Arizona State, 61-64; mem. mil. assistance adv. group, U.S. Embassy, 64-67; exec. officer & battalion comdr, Ft. Ord, Calif, 67-68; PROF. POLIT. SCI, NORTHERN ARIZONA, 68- U.S.A. 42-68, Lt. Col. Polit. Sci. Asn. Role of the military in Latin American politics; military strategy and foreign policy; sociology of international politics; role of the Indian in American government; civil-military affairs. Publ: Ed, The defense of Latin America: the changing concept, Bur. Govt. Res, Arizona State, 64; contrib. ed, The handbook of world history, Philos. Library, 67; auth, Henry L. Stimson, Amerikanischer Kriegsminister im II. Weltkrieg, Univ. Bonn, 68. Address: Dept. of Political Science, Northern Arizona University, Flagstaff, Ariz. 86001.
- WYCKOFF, DR. V(ERTREES) J(UDSON), b. Cincinnati, Ohio, Dec. 10, 88. ECONOMICS. A.B. Hopkins, 20, Ph.D. 23. Mem. econ. dept, St. John's Col.(Md), 24-39; Maryland, 39-42; economist, U.S. Bur. Census, 42-44; U.S.

- Dept. Internal Revenue, 44-47; prof. econ, DePauw, 47-64; part time, Guilford Col, 64-68, chmn. dept, 64-67; RETIRED. Econ. Asn; Finance Asn. State and local finances; economic history; wage policies. Address: 1211 Nathan Hunt Rd, Greensboro, N.C. 27410.
- WYCKOFF, PROF. VIOLA, Econ, see KOMAREK, PROF. VIOLA WYCKOFF.
- WYCZALKOWSKI, DR. MARCIN R, b. Apr. 20, 10; m. 38; c. 3. ECONOMICS. M.Commercial & Econ. Sc. Warsaw Acad. Econ. & Commerce, 36, D.S.E., 38; London Sch. Econ, 38-39. Statistician, Bank of Issue, Poland, 41-45; head econ. res. dept. & ed. econ. journ, Nat. Bank Poland, 45-46; economist, INT. MONETARY FUND, 46-52, div. chief, 52-63, adv. 63-67, SR. ADV., 67-68. Lectr., Warsaw Acad. Econ. & Commerce, 42-44, dep. prof. & dep. rector, 45-46. Econ. adv. organized budget div, ministry of finance, Govt. Burma, 58-59; Govt. Cyprus & Organized Cent. Bank Cyprus, 62-64. Polish Army, 39, 2nd Lt. Econ. Asn. Monetary policy, research and advice, Organization of banks and financial systems; economic planning. Publ: Economic institutions of the United Nations; Soviet price system and the foreign exchange rate; Communist economics and currency convertibility, Int. Monetary Fund Staff Papers, 7/66. Address: Central Banking Service Dept, International Monetary Fund, Washington, D.C. 20431.
- WYER, DR. ROBERT S, JR, b. Delhi, N.Y., Apr. 18, 35; m. 62; c. 1. PSYCHOLOGY. B.E.E., Rensselaer Polytech, 57; M.S.E.E., N.Y. Univ, 59; Ph.D. (psychol), Colorado, 62. Res. assoc. PSYCHOL, Colorado, 62-63; asst. prof, Iowa, 63-65; ILLINOIS, CHICAGO, 65-67, ASSOC. PROF., 67- Dir, Nat. Sci. Found. res. grant, 66-68; summers, mem. staff, Hughes Aircraft Co, 61, 62, Univ. Illinois undergrad. instructional award, 66. Asst. dir, U.S. Off. Ed. coop. res. proj, 62-63, 65-66. Psychol. Asn. Social influences on behavior; impression formation; attitude development and change; social determinants of achievement behavior. Publ: Effects of incentive to perform well, group attraction and group acceptance on conformity in a judgmental task, 4: 21-26 & Behavioral correlates of academic achievement: conformity under achievement and affiliation incentive conditions, 6: 255-263, J. Personality & Soc. Psychol; co-auth. Some determinants of perseverance in achievement-related activity, J. Exp. Soc. Psychol, 3: 255-265. Address: 1264 W. Westgate Terr, Chicago, Ill. 60607.
- WYERS, PROF. EVERETT J(OHN), b. Fresno, Calif, Dec. 28, 23; m. 50. PSYCHOLOGY. Ph.D. (psychol), California, 55. From asst. prof. to assoc. prof. PSYCHOL, Southern California, 54-65, PROF., 65-66; STATE UNIV. N.Y. STONY BROOK, 66- Nat. Inst. Ment. Health sr. res. fel, State Univ. Leiden, 64-65. U.S.A., 43-46. AAAS; Psychol. Asn; Animal Behav. Soc; Psychonomic Soc. Comparative; determinants of inhibition in behavior; retroactive impairment of learning and brain stimulation. Publ: Effects of caudate stimulation on visual discrimination, Exp. Neurol, 61; Partial reinforcement and resistance to extinction in the earthworm, 64 & Forward conditioning, backward conditioning and pseudoconditioning sensitization in the earthworm, 67, J. Comp. & Physiol. Psychol. Address: Shore Rd. & Carlton Ave, East Setauket, N.Y. 11733.
- WYKES, PROF. STANLEY ALLEN, Indust. Eng, see 10th ed, Soc. & Behav. Vols.
- WYKSTRA, DR. RONALD A, b. Plainwell, Mich, Mar. 20, 35; m. 57; c. 4. ECONOMICS. B.A. Western Michigan, 60; M.B. Nebraska, 61, Ph.D. (econ), 66. Opers. res. analyst, Gen. Mills, Inc, 61-62, financial supvr, 62-63; instr. ECON, Nebraska, 63-66; asst. prof, Western Michigan, 66-67; ASSOC. PROF, COLORADO STATE, 67- dir, Nat. Defense Ed. Act. Inst. Econ. Ed, 68. Summers, consult, Bur. Reclamation, Nebr, 65, lectr, Am. Fedn. Labor-Cong. Indust. Orgn. leadership conf. & Am. Bankers Inst, 66, consult, Mid-Continent Regional Ed. Lab, 66, Univ. Idaho, 67. U.S.A., 54-56. Econ. Asn; Indust. Rels. Res. Asn. Manpower and managerial economics; industrial relations; economic theory. Publ: Some additional evidence on the effects of education on labor force participation, West. Econ. J, summer 67; Manpower growth in a regional economy, U.S. Dept. Commerce, 67; co-auth. A provisional input-output study of Idaho's economy, Wash. Bus. Rev, winter 68. Address: 1424 Hillside Dr, Ft. Collins, Colo. 80521.
- WYLIE, DR. ALEXANDER ARTHUR, b. Clare, Mich, Sept. 22, 27; m. 53; c. 3. CLINICAL PSYCHOLOGY. B.A. Huron Col, 50; M.A. Bradley, 52; Ph.D. (clin. psychol), Houston, 58. Clin. psychol. intern, Norfolk State Hosp, Nebr, 55-56, fel, 56-57, clin. psychologist, 57-59, asst. chief clin. psychologist, 59-62; CLIN. PSYCHOLOGIST & DIR, LAKE REGION MENT. HEALTH CENTER, 62- Asst. prof, Nebr. State Col. (Wayne), 57-62. U.S.A.A.F., 46-47. Psychol. Asn. Concept formation. Publ: Attitudes toward mental hospitals, J. Clin. Psychol; Field trip as a supplement to teaching, J. Ed. Res. Address: 420 Fourth St, N.E., Watertown, S.Dak. 57201.
- WYLIE, PROF. AUBREY E(VANS), b. Carthage, Ark, Nov. 21, 17; m. 49; c. 1. FOREST ECONOMICS. B.S. Colo. State, 46, M.F., 47; Ph.D. (forest prods), State Univ. N.Y. Col. Forestry, Syracuse, 50. From instr. to assoc. prof. FOREST PROD, State Univ. N.Y. Col. Forestry, Syracuse, 50-56; PROF, MICH. STATE, 56- Consult, faculty of agronomy, Medellin, Colombia, 60. U.S.A.A.F., 41-46, Capt. Forest Prod. Res. Soc; Soc. Am. Foresters; Soc. Qual. Control. Production analysis and management of forest products industries. Address: Forest Products Dept, Room 131 Natural Resources, Michigan State University, East Lansing, Mich. 48823.
- WYLIE, KATHRYN H, Econ, see 10th ed, Soc. & Behav. Vols.
- WYLIE, PROF. MARGARET, Psychol, see 10th ed, Soc. & Behav. Vols.
- WYLIE, PROF. RUTH C(AROL), b. Beaver Falls, Pa, Jan. 24, 20. PSYCHOLOGY. B.S. Geneva Col, 39; M.A. Pittsburgh, 40, Ph.D. (psychol), 43. Instr. psychol, Stephens Col, 43-45; Conn. Col, 43-47, asst. prof, 47-52; mem. faculty, Sarah Lawrence Col, 52-62; PROF. PSYCHOL. & CHMN. DEPT, GOUCHER COL, 62- Nat. Sci. Found. faculty fel, 61-62. AAAS; fel. Psychol. Asn. Objective tests of personality theory; learning and motivation. Publ: The self concept: a critical survey of pertinent research literature; co-auth. Effect of an interfering task on the learning of a complex motor skill, J. Exp. Psychol; auth. Schoolwork ability estimates and aspirations as a function of socioeconomic level, race and sex, Psychol. Reports. Address: Dept. of Psychology, Goucher College, Baltimore, Md. 21204.
- WYMAN, DR. H(ARRY) B, Psychol, see 10th ed, Soc. & Behav. Vols.
- WYMORE, PROF. A(LBERT) WAYNE, Math, see 11th ed, Phys. & Biol. Vols.
- WYNER, DR. ALAN J, b. Cleveland, Ohio, Oct. 26, 41; m. 64; c. 1. POLITICAL SCIENCE. B.A. Northwestern, 64; Ph.D. (polit. sci), Ohio State, 67. ASST. PROF. POLIT. SCI, Ohio State, 67-68; CALIFORNIA, SANTA BARBARA, 68- Polit. Sci. Asn. State government; decision making processes. Address: Dept. of Political Science, University of California, Santa Barbara, Calif. 93106.
- WYNGARDEN, DR. H(ERMAN) J(ACOB), b. Oostberg, Wis, Sept. 19, 93. ECONOMICS. A.B. Washington (Seattle), 15; Columbia, 22; A.M. Michigan, 21; Ph.D., 27. Assoc. prof, MICH. STATE, 24-38, prof, 38-43, acting head dept, 37-38, head dept, 43-49, dean COL. BUS. & PUB. SERV., 49-58; EMER. DEAN, 58- Chmn. State Spec. Mediation Cmt. Mich, 45, 49; State Citizens Food Cmt, 47. Award of recognition, Mich. Coun. Econ. Ed, 66. U.S.A., 18-19. Econ. Asn; Acad. Arbit; Indust. Rels. Res. Asn. Finance; money and banking; business cycles. Address: 809 Stuart Ave, East Lansing, Mich. 48823.
- WYNN, DR. WILLIAM H(AROLD), b. San Angelo, Tex, Jan. 26, 29; m. 62; c. 2. PSYCHOLOGY. B.A. Texas, 51, Carnegie fel, 62-63, Ph.D. (psychol), 66. ASST. PROF. PSYCHOL, NORTH CAROLINA, CHAPEL HILL, 63- Psychol. Asn; Asn. Comput. Mach; Soc. Psychol. Study Social Issues. Information-processing; computer simulation of cognitive processes; psycholinguistics and verbal behavior; models of attitude change; semantic memory. Address: Psychometric Lab, University of North Carolina, Chapel Hill, N.C. 27514.
- WYNNE, DR. RONALD D(AVID), b. New Haven, Conn, Oct. 19, 34; m. 67. PSYCHOLOGY. A.B. Maryland, 55; M.A. Catholic Univ, 58, Nat. Inst. Ment. Health fel, 59-60, Ph.D. (psychol), 61. Res. psychologist, Inst. Pa. Hosp, Phila, 61-62; N.J. Bur. Res. Neurol. & Psychiat, 62-64; asst. prof. psychol, Queens Col. (N.Y.), 64-65; chief basic res. br, job corps, Off. Econ. Opportunity, D.C., 65-66, chief center assessment br, 66-67; RES. CONSULT. PSYCHOL, 67- Nat. Inst. Ment. Health res. grants, 61-65. Consult, Ed. Testing Serv, 63-65; Off. Econ. Opportunity, 67-; private indust, 67- Soc. Psychol. Study Social Issues. Publ: Co-auth. Evaluation of the community education demonstration projects (of the community action program), Off. Econ. Opportunity, 68, A technique for the analysis of affect in early memories, Psychol. Reports, 64 & Association-test antonym-response set, J. Verbal Learning & Verbal Behav, 65. Address: 3060 16th St. N.W., Washington, D.C. 20009.
- WYNNE, DR. WILLIAM H(ARRIS), b. London, Eng; nat; m. 28; c. 2. ECONOMICS. B.A. Queen's (Can), 19, M.A., 20; Ph.D. (econ), Cambridge, 26; Barrister-at-Law, Inns of Court, London, 33. Asst. prof. econ, Williams Col. (Mass), 25-31; res. assoc. prof, law sch, Yale, 31-35; assoc. prof. econ, California, 35-36; dir. spec. study Can. taxation, Citizens' Res. Inst. of Can, 36-37; mem. res. staff, Royal Cmn. Dom-Provincial Rels, 37-38; assoc. prof. econ, Michigan, 38-40; economist, War Prod. Bd, Nat. Resources Planning Bd. & War Assets Admin, 41-48; financial adv, Off. Int. Finance, U.S. Dept. Treas, 48-65; RETIRED. Mem. U.S. del. Econ. & Soc. Coun, UN, 51-64. Econ. Asn. International economics and finance; problems of economic development; public finance. Publ: State insolvency and foreign bondholders, Yale, 51; French franc, J. Polit. Econ, 8/37; Studies in Canadian taxation, Bull. Nat. Tax Asn, 10/40, 1/41, 12/41 & 1/42. Address: 3401 Thornapple St, Chevy Chase, Md. 20015.
- WYON, DR. JOHN B(ENJAMIN), Epidemiol, Demog, see 11th ed, Phys. & Biol. Vols.
- WYSOCKI, PROF. B(OLESLAW) A(NTON), b. Poland, June 10, 14. PSYCHOLOGY, STATISTICS. B.A. Cracow, 36; dipl. Edinburgh, 45; Ph.D. (psychol), London, 52. Mil. psychologist & lectr. psychol, Mil. Inst. Psychol, London, 45-48; ed. organizer, ed. & welfare, Brit. Ministry Ed, 48-52; res. psychologist, Marquette, 52-55; asst. prof. psychol. & head dept, Alliance Col, 55-60; assoc. prof, Regis Col. (Mass), 60-62; PROF. PSYCHOL. & STATIST, NEWTON COL. SACRED HEART, 62- Polish Army, 39-40, 44-48. Am. Psychol. Asn; Polish Inst. in Am; Brit. Psychol. Soc; Nat. Inst. Indust. Psychol; Brit. Psychology; personality problems, projective techniques, clinical research. Publ: Predicting attrition-survival in first year engineering; Rorschach card preferences as a diagnostic aid; Assessment of intelligence level by the Rorschach test as compared with objective tests. Address: Dept. of Psychology, Newton College of the Sacred Heart, Newton, Mass. 02159.
- WYSUNG, PROF. JOHN W(RIGHT), b. Aberdeen, Md, May 5, 32. AGRICULTURAL ECONOMICS. B.S. Cornell, 53, Ph.D. (agr. econ), 57; fel, Illinois, 53-54, M.S., 54. Asst. county agent, agr. exten, Maryland, 52; asst. AGR. ECON, Cornell, 54-56; asst. prof, MARYLAND, 56-62, assoc. prof, 62-67, PROF, 67- Sabbatical leave res. grant from Maryland, California, Berkeley, 63-64. Econ. consult, State Rd. Dept, Md, 58-60; Am. Plant Food Inst, 60-61; Philco-Ford, 66. Agr. Econ. Asn; Asn. Evolutionary Econ; Int. Asn. Agr. Econ. Agricultural finance, prices, costs and incomes; farm and agricultural marketing management; economic development; resource economics. Publ: Economics of large dry-lot dairy farms in Maryland; Western Maryland resources; The agricultural industry in the rural urban fringe. Address: Dept. of Agricultural Economics, College of Agriculture, University of Maryland, College Park, Md. 20742.
- WYTHE, DR. GEORGE, b. Weatherford, Tex, Aug. 29, 93; m. 24. ECONOMICS. B.A. Texas, 14; Geneva, 32-33; Ph.D., George Washington, 39. Dir. Am. Repub. Div, bur. for. commerce, U.S. Dept. Commerce, 33-60; LECTR. ECON, GEORGETOWN, 61- Lectr., George Washington, 53-60. Consult, J. Inter-Am. Studies, 50- Mem. nat. adv. bd, Library Cong, 62-; del. Inter-Am. Conf, 51-58. U.S. Dept. Commerce except. serv. award, 50.

Econ. Asn; Econ. Hist. Asn; Am. Geog. Soc; Asn. Latin Am. Studies; Royal Econ. Soc. Economic structure and problems of Hispanic American nations; economic history of Hispanic countries. Publ: Industry in Latin America; Brazil: an expanding economy; The United States and inter-American relations, Univ. Florida, 64. Address: 3042 Cambridge Place N.W., Washington, D.C. 20007.

X

XAVERIA, SISTER M. (BARTON), I.H.M. b. Detroit, Mich, May 25, 10. GEOGRAPHY. A.B. Michigan, 31, M.S. 37, Ph.D.(chem), 38; Catholic Univ, 34-35; St. Louis, 52; Mysore, 63. Teacher, Gesu Sch, Detroit, 32-34; assoc. prof. chem. & head dept, Marygrove Col, 38-44, assoc. prof. geog. & hist. & registrar, Monroe Campus, 49-55; teacher, St. Mary High Sch, Mich, 44-46 & Ohio, 46-49; Ford Found. field research ed, Sister Formation Conf, 55-56; teacher, St. Michael High Sch, Mich, 56-62; Marian High Sch, Mich, 62-63; ASSOC. PROF. GEOG. MARYGROVE COL, 63. Fulbright study grant, India, 63; participant, Nat. Defense Ed. Act African studies seminar, California, Los Angeles in coop. with Am. Asn. Cols. Teacher Ed, summer, 68-69. Asn. Am. Geog; Am. Geog. Soc; Asn. Asian Studies; Asia Soc; Nat. Coun. Geog. Ed. Organic chemistry of Ketoximes; pre-service and in-service education of sisters; geography of Europe and Mediterranean region; man-land relationships in developing areas, particularly India. Publ: Europe and the Mediterranean world, Doubleday, 60 & McGraw, rev. ed, 63; co-auth, Lands of the Eastern Hemisphere, McGraw, 64. Address: International Room, Marygrove College, Detroit, Mich. 48221.

Y

YABLONKY, PROF. BEN L(OUIS), b. Chicago, Ill, Aug. 26, 11; m. 41; c. 3. JOURNALISM. B.S. Northwestern, 34; Nieman fel, Harvard, 46; M.A. Columbia, 54; Ford fel, Michigan, 57-58. Metrop. ed, Chicago Herald & Exam, 36-38; asst. state supvr. writers proj, Works Prog. Admin, Ill, 40-42; radio writer & ed, Chicago Sun, 42-43; nat. ed, Newspaper PM, 43-48; asst. prof. JOURNALISM, N.Y. Univ, 48-54, assoc. prof, 54-59; PROF, MICHIGAN, 59. Fulbright vis. prof, Osmania, India, 65-66. News writer, Columbia Broadcasting Syst; ed, Nat. Broadcasting Co. Asn. Ed. Journalism; Radio-TV News Dirs. Asn; assoc. Int. Press Inst; assoc. Nat. Conf. Ed. Writers. Publ: Your newspaper; How to write for pleasure and profit; American news correspondents at the United Nations. Address: Dept. of Journalism, 1447 Mason Hall, University of Michigan, Ann Arbor, Mich. 48104.

YABLONSKY, PROF. LEWIS, b. Irvington, N.J., Nov. 23, 24. SOCIOLOGY, CRIMINOLOGY. B.S. Rutgers, 48; M.A. N.Y. Univ, 52, Ph.D.(sociol), 57. Supvr, Essex County Youth House, 50-51; lectr. SOCIOL, City Col. New York, 51-56; assoc. prof, Massachusetts, 58-61; California, Los Angeles, 61-63; PROF, SAN FERNANDO VALLEY STATE COL, 63. Lectr, Columbia, 55-57; Harvard, 58; Smith Col, 59. Dir. crime prev. prog, Morning-side Heights, Inc, 53-57. Consult, Rockefeller Bros. Orgn. Delinquency, 57; Columbia Broadcasting Syst, 58. Award, Soc. Study Social Probs, 59. U.S.N. 43-46. Sociol. Asn; Group Psychother. Asn.(pres, 59). Violent gang behavior; drug addiction; delinquency and crime; community crime prevention. Publ: The violent gang; Synanon: the tunnel back, Penguin, 67; The hippie trip, Pegasus, 68. Address: Dept. of Sociology, San Fernando Valley State College, Northridge, Calif. 91326.

YACORZYNSKI, DR. G(EOGE) K(ASSIMER), b. New Haven, Conn, Nov. 21, 07; m. 34, 66; c. 5. CLINICAL PSYCHOLOGY. B.A. Washington (Seattle), 32, fel, 31-35, M.S. 34; Ph.D.(psychol), Northwestern, 37. Asst. psychol, NORTHWESTERN, 35-37, fel. & res. assoc, 37-38, instr. NEUROL. & PSYCHIAT, MED. SCH, 38-40, assoc, 40-43, asst. prof, 43-46, assoc. prof, 46-54, PROF, 54-, HEAD DIV. PSYCHOL, 55- Consult. AAAS; fel. Psychol. Asn; Asn. Am. Med. Cols. Psychopathology; neuropsychology; personality. Address: 2881 Sheridan Place, Evanston, Ill. 60201.

YADOFF, DR. BERNARD, b. New York, N.Y., Dec. 6, 26; m. 47; c. 2. CLINICAL PSYCHOLOGY. B.A. Iowa, 49; M.S. Washington (Seattle), 52; Ph.D. Pittsburgh, 58. Intern psychol, State Training Prog, N.Y., 52-53; counsr, lab. psychol. studies, Stevens Inst. Tech, 53-56; asst, Pittsburgh, 56-58; clin. psychologist, Pittsburgh Child Guid. Center, 58-62; chief psychologist, Children's Hosp. of Pittsburgh, 62-67; CHMN. DIV. PSYCHOL, MERCY HOSP, PITTSBURGH, 67-. Clin. psychologist, Falk Sch, Pittsburgh, 57-; clin. asst. prof, Pittsburgh, 62-67. Dipl. clin. psychol, Am. Bd. Exam. Prfnl. Psychol, 63. U.S.A. 45-46. AAAS; Psychol. Asn; fel. Orthopsychiat. Asn; Soc. Res. Child Develop; fel. Soc. Proj. Tech. Psychodiagnostics; parent counseling; deviations from normal behavior; behavior therapy; minimal cerebral dysfunction. Address: 5521 Bartlett St, Pittsburgh, Pa. 15217.

YAGER, DR. (CARL) DEAN, b. Emporia, Kans, Feb. 23, 40; m. 66. PSYCHOLOGY. A.B. Harvard, 62; Ph.D.(psychol), Pennsylvania, 66. ASST. PROF. PSYCHOL, BROWN, 66-. AAAS. Physiological psychology and color vision. Publ: Behavioral measures and theoretical analysis of spectral sensitivity and spectral saturation in the goldfish, Carassius auratus, Vision Res, 67. Address: Dept. of Psychology, Brown University, Brown Station, Providence, R.I. 02912.

YAGER, DR. J(AY) LEWIS, b. Portland, Maine, June 29, 08; m. 36; c. 3. PSYCHOLOGY. A.B. Chicago, 39, Ph.D.(clin. psychol), 44. Psychol. asst, Orthogenic Sch, Chicago, 39-40; psychol. consult, Woodlawn Hall, 39-41; clin. psychologist, State Pub. Sch, Minn, 42-44; res. assoc, Mooseheart Lab. Child Res, 44-45; clin. psychologist, VET. ADMIN. HOSP, Hines, 46-48; CHIEF CLIN. PSYCHOL, Ft. Logan, 38-51; OMAHA, 59-; ASST. PROF. PSYCHOL. & MED. PSYCHOL, NEBRASKA, 51-. Lectr, Pestalozzi-Froebel Teachers Col, 45-48; Colorado, 49-51. Consult, Lincoln State Hosp, Nebr, 65-. Dipl. Am. Bd. Exam. Prfnl. Psychol, 54. Fel. Psychol. Asn. Diagnosis of personality; organic brain damage; psychotherapy; vocational rehabilitation. Address: Veterans Administration Hospital, Omaha, Nebr. 68105.

YAH, PROF. CHARLES C(ORBIN), b. Carlinville, Ill, June 23, 25; m. 49; c. 4. GEOGRAPHY. B.S. Ill. State Norm. Univ, 49, M.S. 50, fel, 50-52;

Ph.D.(geog), Illinois, 56. Ed. asst, Silver Burdett Co, N.Y., 52-54; from instr. to PROF. GEOG, SAN DIEGO STATE COL, 55-. Mem. Int. Geog. Union, 52-. U.S.A., 44-46, 1st Lt. Asn. Am. Geog. Geography of Indo-Pakistan subcontinent & Southeast Asia. Address: Dept. of Geography, San Diego State College, San Diego, Calif. 92115.

YAKEL, PROF. RALPH JR, b. Portland, Ore, Mar. 26, 14; ECONOMICS. B.S. Illinois, 34; M.B.S. Chicago, 46; N.Y. Univ. Instr. ECON, De Paul, 46; ASST. PROF. EVANSVILLE COL, 46-47; BRIDGEPORT, 47-. U.S.A.A.F., 42-46, Capt. Econ. Asn. Banking; finance; agricultural economics. Address: Dept. of Economics, University of Bridgeport, Bridgeport, Conn. 06602.

YAKER, DR. HENRI M, b. Boston, Mass, Oct. 16, 22; m. 55; c. 2. PSYCHOLOGY, ANTHROPOLOGY. A.B. Oberlin Col, 49; A.M. N.Y. Univ, 51; B.D. Union Theol. Sem, 53; Ph.D.(anthrop), Columbia, 56; A.M. Seton Hall, 64. Asst. prof. psychol, Lincoln (Pa), 53-55; instr. humanities prog, Hobart Col, 56-58; sr. clin. psychologist, Willard State Hosp, N.Y., 58-60; dir. psychol, N.J. State Prison, Trenton, 60-62; CHIEF PSYCHOLOGIST, Guid. Clin. for Retarded, East Orange, 62-65; Youth Develop. Clin, Newark, 65-66; N.J. STATE HOSP, MARLBORO, 66-. Lectr, Seton Hall, 66-; Fairleigh Dickinson, 67. Consult, N.J. State Home for Boys, Jamesburg, 62-. Am. Psychol. Asn; Brit. Psychol. Soc; fel. Int. Coun. Psychol. International activities in psychology, especially anthropological and social differences. Publ: Co-auth, Man's place in time, Doubleday, 68; auth, Community adjustment of mentally ill, Pa. Psychiat. Quart, spring 67; The perception of time in disturbance, J. Schizophrenia, winter 67-68. Address: 210 S. Fourth Ave, Highland Park, N.J. 08904.

YAKOBSON, DR. SERGIUS, b. Moscow, Russia, May 9, 01; nat; m. 50; c. 2. INTERNATIONAL RELATIONS. Dr. Phil, Berlin, 26. Libn. & hon. lectr, London, 34-40; SR. SPECIALIST RUSSIAN AFFAIRS & CHIEF SLAVIC & CENT. EUROPEAN DIV, LIBRARY CONG, 41-. Mem, joint cmt. Slavic studies & coordinating cmt. Slavic & East European library resources, Am. Coun. Learned Socs. & Soc. Sci. Res. Coun. Polit. Sci. Asn; Hist. Asn; Asn. Adv. Slavic Studies. History; Russian politics, history and culture; past and present Russian exploits in Africa. Publ: Rise of Russian nationalism, In: Nationalism; May Day slogans in Soviet Russia, In: Language of politics; Russia and Africa, In: Russian foreign policy. Address: 3518 Porter St. N.W., Washington, D.C. 20016.

YALEM, DR. RONALD J(OSEPH), b. St. Louis, Mo, Sept. 22, 26; m. 50; c. 1. POLITICAL SCIENCE. A.B. Washington (St. Louis), 50; M.A. American Univ, 53, Ph.D.(int. rels), 56. Int. rels. officer, Int. Coop. Admin, 55-56; instr, Florida, 56-57; asst. prof, Berea Col, 57-58; vis. asst. prof, Missouri, 59; assoc. prof. polit. sci, Col. William & Mary 59-64; vis. assoc. prof. int. rels, Southern California, 64-66; ASSOC. PROF. POLIT. SCI, ALABAMA, 66-. Ford Found. faculty fel, 57. U.S.A. 45-46. Polit. Sci. Asn; Int. Studies Asn. International law; organization and relations. Publ: Regionalism and world order, Pub. Affairs, 65; Prospects for European political unification; Theory of ends' of Arnold Wolfers. Address: Dept. of Political Science, University of Alabama, University, Ala. 35486.

YALOWITZ, JEROME M(YER), b. Chicago, Ill, Oct. 24, 22; m. 51; c. 3. CLINICAL PSYCHOLOGY. B.S. Illinois, 48, M.S. 49. Clin. psychologist, Manteno State Hosp, Ill, 49-51; supv. psychologist, East Moline State Hosp, 52-54; CHIEF PSYCHOLOGIST, PEORIA STATE HOSP, 54-. Med.C. U.S.A. 43-46. Psychol. Asn. Validity of psychological tests; psychotherapy; psychodiagnostics; personality assessment; community mental health; partial hospitalization; gerontology. Publ: Validity of short forms of the Wechsler Intelligence Scale for children. Address: Psychology Dept, Peoria State Hospital, Peoria, Ill. 61607.

YAMAGUCHI, PROF. HARRY G(OICHI), b. Tacoma, Wash, Oct. 30, 21; m. 46; c. 2. PSYCHOLOGY. A.B. Oberlin Col, 43, M.A. 48; Ph.D. 49. Chief psychologist, Clifford Beers Clin, New Haven, Conn, 49-51; asst. prof. PSYCHOL, INDIANA, 51-60, assoc. prof, 60-65, PROF, 65-, ASSOC. DEAN GRAD. SCH, 67-, acting chmn. dept. psychol, 65-67. Consult, Vet. Admin, 54-. U.S.A.R. 43-45. Psychol. Asn. Learning and motivation; psychodiagnostics and psychotherapy; developmental psychology. Address: Dept. of Psychology, Indiana University, Bloomington, Ind. 47401.

YAMAHIRO, DR. ROY S(HIGEKI), b. Portland, Ore, Aug. 10, 28; m. 54; c. 2. PHYSIOLOGICAL PSYCHOLOGY. B.S. Wisconsin, 54; M.A. Drake, 55; Ph.D.(psychol), Kentucky, 61. Staff psychologist, Ment. Health Inst, Mt. Pleasant, Iowa, 55-56; res. psychologist, addiction res. center, Nat. Insts. Health, Lexington, Ky, 59-61; GEN. MLLS, INC, 61-67, CORP. MGR. MANPOWER PLANNING, 67-. Instr, Kentucky, 60. U.S.M.C. 46-48, Res, 48-52, Sgt. AAAS; Psychol. Asn; Statist. Asn. Manpower forecasting; management development; decision theory; man-machine systems; consumer behavior; statistics and experimental design. Publ: Effects of reserpine on a strong C.E.R. Psychopharmacologia; Item vs. trait accuracy in interpersonal perception, J. Gen. Psychol; Validity of two indices of sexual deviancy, J. Clin. Psychol. Address: 9309 31st Ave. N, Minneapolis, Minn. 55427.

YAMAMOTO, DR. KAORU, b. Tokyo, Japan, Mar. 28, 32; m. 59. EDUCATIONAL PSYCHOLOGY. B.S. Tokyo, 53; Case, Western Reserve, Columbia & Ohio, 57-58; M.A. Minnesota, 60, Ph.D.(ed. psychol), 62. Engr, Toppan Printing Co, Japan, 53; Japan Oxygen Co, 54-55, chemist, 55-57 & 58-59; asst. prof. ed, Kent State, 62-65; prof. assoc. ED. PSYCHOL, Wisconsin, 65; asst. prof, Iowa, 65-66, assoc. prof, 66-68; PROF. PA. STATE, 68-. Consult, coop. res. proj, U.S. Off. Ed, 63-65. Award, Kent State Univ. Chap. Phi Delta Kappa, 65. Psychol. Asn; Sociol. Asn; Ed. Res. Asn. Mental health and socio-individual factors in education; human development. Publ: Experimental scoring manuals for Minnesota tests of creative thinking and writing, Bur. Ed. Res, Kent State, 64; The college student and his culture, 68 & Teaching, 69, Houghton. Address: College of Education, Pennsylvania State University, University Park, Pa. 16802.

YAMANE, PROF. TARO, Econ, Statist, see 10th ed, Soc. & Behav. Vols.

YANAGA, PROF. CHITOSHI, b. Waiohinu, Hawaii, May 9, 03; m. 31; c. 2. POLITICAL SCIENCE. A.B. Hawaii, 28, A.M. 30; Ph.D.(polit. sci), Cal-

fornia, 34; Tokyo Imp. Univ, 35-37. Instr. Japanese hist. & govt, California, 37-42; dir. Japanese translation & res, overseas br, Off. War Info, 42-44; Far East. adv. for. broadcast intel. serv, Fed. Commun. Cmn, D.C., 44; chief spec. res. sect, Far East div, res. & anal. br, Off. Strategic Serv. & U.S. Dept. State, 44-46; lectr, YALE, 45-49, assoc. prof. POLIT. SCI, 49-62, PROF, 62-, dir. grad. studies East Asia, 51-61. Carnegie Endowment Int. Peace traveling fel, Japan, 36-37; Fulbright res. scholar, Japan, 55-56; Yale sr. faculty res. fel, Tokyo, 62-63. Polit. Sci. Asn; Asn. Asian Studies. Japanese government, political thought and diplomacy; international relations in the Far East; political thought of Eastern Asia. Publ: Japan since Perry, McGraw, 49; Japanese people and politics, Wiley, 56; Big business in Japanese politics, Yale, 68. Address: Dept. of Political Science, Yale University, New Haven, Conn. 06520.

YANCE, DR. JOSEPH V(INCENT), b. Brockton, Mass, July 10, 26. ECONOMIC. B.S. Mass. Inst. Tech, 48; Ph.D.(econ), Harvard, 55. Asst. econ, Harvard, 52-54; asst. prof. indust. mgt, Mass. Inst. Tech, 57-59, mem. res. staff, Center Naval Anal, 60-65; LECTR. ECON, BOSTON, 65- Consult. Simat, Helliesen & Assoc, 65-67. U.S.N., 44-46; U.S.A., 55-56. Econ. Asn. Dynamic models of economic processes; statistical estimation. Publ: Airframe cost analysis, Center Naval Anal, 64; Model of price flexibility, Am. Econ. Rev. Address: 18 Centre St, Cambridge, Mass. 02139.

YANCEY, DR. THOMAS A(LEXANDER), b. Marshall, Mo, Nov. 18, 22; m. 48; c. 5. ECONOMICS, STATISTICS. B.S. Missouri, 48, A.M., 49; Ph.D.(econ), 57. Instr. acct, Missouri, 48-49; ECON, Knox Col, 49-52; asst, ILLINOIS, 52-55, instr, 55-57, asst. prof, 57-60, ASSOC. PROF, 60- Nat. Sci. Found. fel, 61-62. U.S.A.F., 43-45, Res, 45-, Capt. Econ. Asn; Statist. Asn; Economet. Soc. Econometrics; parameter estimation in models subject to specification errors; econometric investigation of consumer spending, especially consumer durables. Publ: Co-auth, Parameter estimation and autonomous growth, J. Am. Statist. Asn. Address: 513 S. Edwin St, Champaign, Ill. 61820.

YANDELL, DR. R(ONALD) JAMES, b. Spokane, Wash, Mar. 4, 25. PSYCHIATRY. B.A., Yale, 48; Ph.D., California, 55, M.D., 56. Res. psychologist, inst. personality assessment & res, California, 50-55; med. intern, U.S. Pub. Health Serv. Hosp, San Francisco, Calif, 56-57; resident psychiatrist, Vet. Admin. Hosp, Palo Alto, Calif, 57-58; Berkeley State Ment. Hyg. Clin, 58-59; COWELL HOSP, UNIV. CALIFORNIA, BERKELEY, 59-60, PSYCHIATRIST, STUDENT HEALTH SERV, 60- U.S.A., 43-46. Psychol. Asn; Psychiat. Asn. College student mental health; Jungian analysis. Address: 925 The Alameda, Berkeley, Calif. 94707.

YANE, BORIS-STEPHEN, b. Flemington, N.J., Mar. 7, 11; m. 32; c. 3. ECONOMICS. B.S. N.Y. Univ, 33; M.A., George Washington, 38; Indust. Col. Armed Forces, 51-52. Price economist, Cabinet Cmt. on Price Policy, 33-35; U.S. Dept. Labor, 35-38, 51, 52, mem. President's Cmn. Immigration & Naturalization, 52-53; admin. officer, R.R. Retirement Bd, 39-42; consult, purchases div, hq, U.S. Army 43-44; eve. lectr, sch. for. serv, Georgetown, 48-50; mem. staff, U.S. DEPT. LABOR, 51-53, int. labor economist, 53-62, INT. LABOR ORGN. SPECIALIST, INT. LABOR AFFAIRS BUR, 62- U.S. del. Gen. Agreement Tariffs & Trade Negotiations, Geneva, 56; mem, For. Serv. Selection Bd, 58, 67. Indust. Rel. Res. Asn. Industrial and international labor relations; consumption standards. Publ: Wages in Japanese mining and manufacturing. Address: 1504 S. Oakland St, Arlington, Va. 22204.

YANG, PROF. C(HING) K(UN), b. Canton, China, Mar. 3, 11; nat; m. 39; c. 2. SOCIOLOGY. B.A. Yenching, 33, M.A., 34; Earhart fel, Michigan, 34-35, Rackham fel, 35-37, Ph.D.(sociol), 40. Ed. Chinese Jour, N.Y., 39-43; instr. Far East dept, Washington (Seattle), 44, asst. prof, 45-48; assoc. prof. sociol. & chmn. dept, Lingnan, China, 48-51; assoc. prof. SOCIOL, Pittsburgh, 53-58, PROF, 58-64; Hawaii, 64-67; PITTSBURGH, 67- Res. fel, dept. soc. rels, Harvard, 52, vis. lectr, regional studies prog, 52-53. Sociol. Asn; Asn. Asian Studies. Community study; comparative sociology; study of Chinese society and culture. Publ: Chinese family in the Communist Revolution; Religion in Chinese society; A Chinese village in early Communist transition, M.I.T., 59. Address: Dept. of Sociology, University of Pittsburgh, Pittsburgh, Pa. 15213.

YANG, DR. DAVID C(HEN), b. Pochow, China, Dec. 23, 13; U.S. citizen; m. 48; c. 2. PSYCHOLOGY, EDUCATION. B.A. La. Col, 48; Tulane, 48-49; M.A. Fla. State, 51, Ph.D.(psychol, ed), 57; Mississippi, 62. Prin. high sch, 38-45; asst. prof. psychol. & ed, William Carey Col, 54-57, prof. & chmn. dept, 57-66; ASSOC. PROF. PSYCHOL, LA. STATE, 66- Nat. Sci. Found. res. grant psychol, Mississippi, summer 62. AAAS. Concept development and cognitive learning; inter-personal and intra-personal response patterns. Address: 1025 Highland Park Dr, Baton Rouge, La. 70808.

YANKEE, PROF. GLEN G(IVENS), b. Kingsville, Mo, Dec. 30, 13. ACCOUNTING. A.B. Washburn Col, 39; M.A., Illinois, 41, Ph.D.(acct), 52. Asst. prof. ACCT, Illinois, 40-42, 46-49; assoc. prof, Miami (Ohio), 49-58, prof, 58-62, acting chmn. dept, 59-60; prof. & chmn. dept, Case Western Reserve, 62-68; PROF, CLEVELAND STATE, 68- Ford Ed. Forum fel, 55. U.S.A., 42-46, Lt. Am. Acct. Asn; Financial Execs. Inst; Budget Execs. Inst; Inst. Cert. Pub. Acct. Accounting theory; governmental and institutional accounting; cost accounting. Publ: Usefulness of criticism in accounting; co-auth, Accounting for non-profit enterprises, In: Modern accounting theory, Prentice-Hall, 68. Address: Dept. of Accounting, Cleveland State University College of Business Administration, Cleveland, Ohio 44115.

YANOUZAS, DR. JOHN NICHOLAS, b. Donora, Pa, June 2, 28; m. 54; c. 3. BUSINESS ADMINISTRATION. B.S. Duquesne, 56; M.Sc., Pa. State, 58, Ph.D. (bus. admin), 63. Asst. Pa. STATE, 56-58, instr. BUS. MGT, 58-63, asst. prof, 63-66, ASSOC. PROF, 66- Fulbright lectr, Grad. Sch. Indust. Studies & Grad. Sch. Econ. & Bus. Sci, Greece, 67-68. Med.C., U.S.A., 51-52, Sgt. Acad. Mgt. Supervisory behavior under different technological and organizational situations; effect of organization structure upon individual and group performance. Publ: Co-auth, Formal organization: a systems approach, Irwin, 67; auth, A comparative study of work organization and

supervisory behavior, Human Orgn, Vol. 23, No. 3; Some salient characteristics and effects of formal organization, Studies, Vol. II, No. 5. Address: Dept. of Business Management, Pennsylvania State University College of Business Administration, University Park, Pa. 16802.

YARBOROUGH, PROF. J(OSEPH) U(SSERY), Psychol, see 10th ed, Soc. & Behav. Vols.

YARBOROUGH, DR. KEMP P(LUMMER), b. Louisville, N.C., Apr. 29, 12; m. 47; c. 3. POLITICAL SCIENCE, HISTORY. A.B. North Carolina, 33, Wake Forest Col, 35-36; M.A., South Carolina, 50, Ph.D.(hist), Columbia, 63. Lawyer, Yarrowburgh & Yarrowburgh, 36-41; staff mem, off. attorney gen, N.C. Dept. Justice, 41-42; instr. hist. & govt. & head dept. soc. sci, St. Mary's Col. (Md), 54-65, dean faculty, 57-65; ASSOC. PROF. HIST. & CONSTITUTIONAL LAW, TEXAS WOMAN'S UNIV, 65- U.S.A., 42-48, 51-53, Capt. Orgn. Am. Hist; Acad. Polit. Sci. American constitutional law and history; twentieth century American history; modern political theory. Publ: Co-auth; Annotated code of North Carolina, 42. Address: Dept. of History & Government, Texas Woman's University, Denton, Tex. 76204.

YARCZOWER, PROF. MATTHEW, b. Brooklyn, N.Y., Apr. 18, 32; m. 53; c. 3. EXPERIMENTAL & COMPARATIVE PSYCHOLOGY. B.B.A. City Col. New York, 53; M.A., Maryland, 55, Ph.D., 58. Exp. psychologist, Naval Med. Res. Inst, 56-59; asst. prof. PSYCHOL, COL. ARTS & SCI, MARYLAND, 59-64, ASSOC. PROF, 64-, prin. investr, inst. behav. res, 61-66. Guest scientist, Naval Med. Res. Inst, 60-61; U.S. Pub. Health Serv. spec. res. fel, Bryn Mawr Col, 62-63. U.S.N., 56-59, Lt.(g). AAAS; Psychol. Asn; Psychonomic Soc. Animal and human learning processes. Publ: Co-auth, Stimulus generalization in the goldfish, In: Stimulus generalization, Stanford, 65; Some effects on generalization gradients of tandem schedules, J. Exp. Anal. Behav, 66; Visual acuity in a Stumptail Macaque, Science, 68. Address: College of Arts & Sciences, University of Maryland, College Park, Md. 20742.

YARMEY, DR. A(LEXANDER) DANIEL, b. Toronto, Ont, Dec. 17, 38; m. 63; c. 2. PSYCHOLOGY. B.A., Western Ontario, 62, M.A., 63, Ph.D.(psychol), 65. ASST. PROF. PSYCHOL, Waterloo Lutheran, 65-67; GUELPH, 67- Am. Psychol. Asn; Psychonomic Soc; Can. Psychol. Asn. Verbal learning and memory; programmed instruction. Publ: Two-digit numbers in paired-associates learning, Psychonomic Sci, 66; Word abstractness, awareness and type of design in verbal mediation, Psychology, 67; co-auth, Imaginal and verbal mediation instructions and stimulus attributes in paired-associate learning, Psychol. Record, 68. Address: Dept. of Psychology, University of Guelph, Guelph, Ont, Can.

YARNELL, DR. RICHARD A(SA), b. Boston, Mass, May 11, 29; m. c. 4. ANTHROPOLOGY. B.S. Duke, 50; M.A., New Mexico, 58; fel, Michigan, 58-60, Ph.D.(anthrop), 63. Instr. ANTHROP, EMORY, 62-64, asst. prof, 64-67, ASSOC. PROF, 67- Am. Acad. Arts & Sci. res. grant-in-aid, 63. U.S.A.F., 51-55, S/Sgt. AAAS; fel. Am. Anthropol. Asn; Ethnol. Soc; fel. Am. Geog. Soc; Soc. Econ. Bot. Archaeological plant food remains; origins of plant domestication; ethnobotany; cultural ecology and evolution; culturelogy. Publ: Reciprocity in cultural ecology, Econ. Bot, 63; Aboriginal relationships between culture and plant life in the upper Great Lakes region, Univ. Michigan Mus. Anthropol, 64; Implications of distinctive flora on Pueblo ruins, Am. Anthropologist, 65. Address: Dept. of Sociology & Anthropology, Emory University, Atlanta, Ga. 30322.

YARNOLD, KENNETH W(YNNE), Oper. Anal, see 10th ed, Soc. & Behav. Vols.

YARROW, DR. LEON J(AY), b. Shenandoah, Pa, Sept. 30, 21; m. 49; c. 1. PSYCHOLOGY. A.B. Pennsylvania, 41; M.A., Iowa, 42, Ph.D.(psychol), 46. Instr. child develop, Cornell, 45-48; asst. prof, sch. med, Colorado, 48-51, psychologist, child res. coun, 48-51; asst. chief child develop. res. br, children's bur, U.S. Dept. Health, Ed. & Welfare, 51-54, dir. infant adoption res. proj, 54-65; CHIEF SOC. & BEHAV. SCI. BR, NAT. INST. CHILD HEALTH & HUMAN DEVELOP, 65- AAAS; Psychol. Asn; Soc. Res. Child Develop; Orthopsychiat. Asn. Personality development; longitudinal research; early experiences; mother-infant interactions. Publ: Child psychology, Ann. Rev. Psychol; Maternal deprivation, Psychol. Bull; Separation from parents during early childhood, Rev. Child Develop. Res, 64. Address: Social & Behavioral Sciences Branch, National Institute of Child Health and Human Development, Bethesda, Md. 20014.

YARROW, DR. MARIAN RADKE, b. Horicon, Wis, Mar. 2, 18; m. 49; c. 1. PSYCHOLOGY. B.A. Wisconsin, 39; M.A. Minnesota, 41, Ph.D., 44. Res. assoc. child welfare, Iowa, 43-45; instr. group dynamics, Mass. Inst. Tech, 45-47; asst. prof. psychol, Queens Col. (N.Y.), 47-49; Denver, 49-51; res. scientist, human resources res. office, U.S. Dept. Army, 51-52; DEVELOP. PSYCHOLOGIST, NAT. INST. MENT. HEALTH, 53- AAAS; Soc. Res. Child Develop.(secy, 61-65); Soc. Psychol. Study Social Issues; Psychol. Asn. Child development; personality theory; developmental psychology; behavior modification. Publ: Co-auth, Prejudice in young children, Harper, 52; Child rearing: an inquiry into research and methods, Josey-Bass, 68; Human aging, U.S. Govt, 64. Address: 7401 Nevis Rd, Bethesda, Md. 20034.

YASPER, DR. ARTHUR, Math, Oper. Res, see 11th ed, Phys. & Biol. Vols.

YATES, DR. DOROTHY (MAUD) HAZELTINE, b. Morristown, N.J.; m. 14; c. 1. PSYCHOLOGY. A.B. Wellesley Col, 10; Washington (Seattle), 15; Horton fel. from Wellesley Col, California, 18-19, M.A., 19, Ph.D.(ed. psychol), 21. Mem. res. staff study gifted children, Stanford, 21-22; instr. psychol, San Jose State Col, 22-23, asst. dir. res, 22-24, asst. prof, 23-24, assoc. prof, 24-27; private practice, 32- Lectr, California, 36-38. Fel. AAAS; fel. Psychol. Asn. Psychotherapy; maturity and old age; psychological techniques for safer driving; child rearing techniques for mothers. Publ: Psychology you can use; Study of some high school seniors of superior intelligence; Psychological racketeers. Address: 2348 Branner Dr, Menlo Park, Calif. 94025.

- YATES, GERARD F(RANCIS), S.J., b. Staten Island, N.Y., Apr. 1, 07. **POLITICAL PHILOSOPHY, COMPARATIVE GOVERNMENT.** A.B. Woodstock Col., 29, M.A. 30, S.T.L. 37; London Sch. Econ. 38-39; M.A. Yale, 43, Ph.D. 47. Instr. classical lit., GEORGETOWN, 30-33, asst. prof. GOVT, 42-47, assoc. prof. & chmn. dept. 47-49, PROF, 49-. **DIR. FRIBOURG PROG.** 54-. **DIR. INT. STUDENT PROGS.** 60-. dean, grad. sch., 49-54. Vis. prof., Fribourg, 55-56, 57-58; Am. Friends of Mid. East summer travel grant, UAR, Jordan, Syria & Lebanon, 64. Vicennial medal, Georgetown Univ., 59, Medal of Honor, 64; Gold Cross Pro Pius Meritis, Sovereign Mil. Order of Malta. Polit. Sci. Asn.; Nat. Asn. For. Student Affairs; Am. Geog. Soc.; Soc. Int. Law. Political theory. Publ: Papal thought on the state. Address: Dept. of Government, Georgetown University, Washington, D.C. 20007.
- YATES, PROF. LOUIS A(LLMOND) R(ICHARD), Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- YATES, PROF. W(ILLARD) ROSS, b. Corvallis, Ore., Mar. 7, 24; m. 55. **POLITICAL SCIENCE.** B.A. Oregon, 48, M.A. 49; Fulbright scholar, France, 51-52; Ph.D. Yale, 56. Instr. **POLIT. SCI.**, Kenyon Col., 52-53; Vermont, 53-55; asst. prof., LEHIGH, 55-59, assoc. prof., 59-63, PROF. & DEAN COL. ARTS & SCI, 63-. Chmn., Hanover Township, Planning & Zoning Cmn., Lehigh County, Pa., 61-63. U.S.A. 43-46. AAAS; Polit. Sci. Asn.; Soc. Eng. Ed. French government and politics; contemporary political theories; comparative foreign governments. Publ: History of the Lehigh Valley region, Joint Planning Cmn., Lehigh-Northampton Counties, 63; Democracy in the United States, Rand McNally, 67. Address: 1332 Butztown Rd, Bethlehem, Pa. 18017.
- YATSUSHIRO, DR. TOSHIO, b. Wailuku, Hawaii, May 5, 17; m. 44; c. 3. **ANTHROPOLOGY.** A.B. Redlands, 44; Whitney Found. fel., Cornell, 51-53, Ford Found. fel., 52-54, Ph.D.(anthrop), 53. Res. analyst, U.S. Off. Indian Affairs, 43-44; soc. sci. analyst, U.S. Off. War Info, 44-45; res. analyst, U.S. Strategic Bombing Surv., 45-46; soc. sci. analyst, U.S. Dept. Interior, 46-47; study dir., Mass. Inst. Tech., 47-48; res. assoc., Cornell, 48-51, 54-55, 57; asst. prof. anthrop., Kansas, 55-57; asst. prof., McGill, 57-62; RES. ADV. RURAL DEVELOP., AGENCY INT. DEVELOP., THAILAND, 62-. Ford Found. grant, India, 53-54; Can. Coun. grant, 58. Summers, vis. lect., Kansas City, 56, anthropologist, Govt. Can., 58 & 59. Fel. Anthrop. Asn. Asian peoples and cultures; dynamics of culture change; role of values, beliefs and attitudes in human motivation; relation of culture and personality; socio-cultural principles in expediting rural development in developing countries. Publ: Japanese American, In: American minorities: a textbook of readings; The village organizer in Thailand, 65 & Village organization and leadership in Northeast Thailand, 66, Agency Int. Develop., Thailand. Address: Agency for International Development, APO San Francisco 96346.
- YAUKEY, DR. DAVID W(ILLIAM), b. Kobe, Japan, May 17, 27; U.S. citizen; m. 57; c. 2. **SOCIOLOGY, DEMOGRAPHY.** B.A. Oberlin Col., 49; M.A., State Col. Wash., 50; Ph.D., Washington (Seattle), 56. Trainee, mkt. & soc. res. div., Psychol. Corp., 50-51; res. psychologist, personnel res. sect., Adj. Gen. Off., U.S. Dept. Army, 51-52; teaching assoc. sociol., Washington (Seattle), 53-55; asst. prof., American Univ. Beirut, 56-59; res. assoc., off. pop. res., Princeton, 59-61; field assoc., Pop. Coun., New York, 61-63, staff assoc., 63-64; asst. prof. SOCIOL., MASSACHUSETTS, AMHERST, 64-66, ASSOC. PROF., 66-. Pop. Coun. res. grants, 58-61, 66-67. U.S.N. 45-46. Sociol. Asn.; Pop. Asn.; Int. Union Sci. Study of Pop. Demography, particularly determinants of fertility; comparative sociology; social change; family. Publ: Fertility differences in a modernizing country: survey of Lebanese couples. Address: Dept. of Sociology, University of Massachusetts, 409 Machmer Hall, Amherst, Mass. 01002.
- YEAGER, PROF. HAROLD CALDWELL, JR., Soc. Anthropol., see 10th ed, Soc. & Behav. Vols.
- YEAGER, JOHN G(EORGE), b. Sewickley, Pa., Dec. 26, 28. **CRIMINOLOGY, SOCIAL PSYCHOLOGY.** M.S. Wisconsin, 51. Asst. Psychol. Asn. of Pittsburgh, 51-52; anal. statistician, U.S. Dept. Air Force, 52-53; DIR. RES. & STATIST. BUR. CORRECTION, STATE DEPT. JUSTICE, PA., 54-. Private consult., 66-. Sociol. Asn.; Statist. Asn.; Correctional Asn.; Soc. Criminol. Predictive techniques, penology and parole; population analysis; methods evaluation research, criminology and corrections. Publ: Contrib. to Proc. Am. Correctional Asn. Address: Box 200, Camp Hill, Pa. 17011.
- YEAGER, PROF. JOSEPH H(ENRY), b. Cullman, Ala., Oct. 23, 20; m. 44; c. 3. **AGRICULTURAL ECONOMICS.** B.S. Auburn, 43, M.S. 48; Ph.D.(agr. econ), Purdue, 51. Asst. AGR. ECON., AUBURN, 46-48, assoc. prof. & assoc. agr. economist, 51-58, PROF. & AGR. ECONOMIST, 57-. HEAD DEPT. AGR. ECON. & RURAL SOCIOLOGY, 64-. U.S.A. 43-46, Capt. Farm Econ. Asn. Farm management and credit; land economics. Publ: Co-auth., Farm business management, Auburn Univ., 62, Rural housing situation and needs & Financing rural homes, Ala. Agr. Exp. Sta. Bull. Address: Dept. of Agricultural Economics & Rural Sociology, Auburn University, Auburn, Ala. 36830.
- YEAGER, DR. KENNETH W(ILLIAM), b. Pottstown, Pa., Oct. 16, 17. **SOCIOLOGY.** A.B. Pittsburgh, 38, A.M. 40, Ph.D. 49; Wisconsin, 39; Pennsylvania, 41-42. Dir. res., European Br., U.S. Armed Forces Inst., 44-46; asst. prof. sociol., George Washington, 49-51; air intel. specialist, hq., U.S. Dept. Air Force, 51-63; INTEL. OPERS. SPECIALIST, DEFENSE INTEL. AGENCY, DEPT. DEFENSE, 63-. Sociol. Asn.; Acad. Polit. & Soc. Sci. Effects of wartime service upon the educational adjustment of veteran and non-veteran students. Address: 1104 N. Rochester St., Arlington, Va. 22205.
- YEAGER, PROF. LELAND B(ENNETT), b. Oak Park, Ill., Oct. 4, 24. **ECONOMICS.** A.B. Oberlin Col., 48; M.A. Columbia, 49, Friedman fel. & Ph.D. 52. Instr. ECON., Agr. & Mech. Col., Tex., 49-50; Maryland, 52-55, asst. prof., 55-57; VIRGINIA, 57-59, assoc. prof., 59-63, PROF., 63-. Vis. prof., Southern Methodist, spring 62; Ford Found. faculty res. fel., 67-68. U.S.A. 43-46. AAAS; Am. Econ. Asn.; Royal Econ. Soc. International economics; monetary theory and history; economic theory. Publ: International monetary relations, Harper, 66; Some questions about growth economics, Am. Econ. Rev., 54; Essential properties of the medium of exchange, Kyklos, 68. Address: Dept. of Economics, Rouss Hall, University of Virginia, Charlottesville, Va. 22901.
- YEAGER, DR. RANDOLPH O(RVILLE), Hist, Econ, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- YEARLEY, DR. CLIFTON K(REBS), JR., U.S. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- YEATES, DR. MAURICE HENRY, b. U.K., May 24, 38; m. 62; c. 2. **GEOGRAPHY.** B.A. Reading, 60; Nat. Sci. Found. fel., Northwestern, 61, M.A. 62, Ph.D.(geog), 63. Asst. prof. GEOG., Florida, 63-65; QUEEN'S (ONT), 65-68, ASSOC. PROF., 68-. Asn. Am. Geog. & Int. Geog. Cong., traveling fel., 64. Consult., area develop. agency, Dept. Indust., Ottawa, 66-. Asn. Am. Geog.; Regional Sci. Asn. Urban geography; regional planning; urban economics; evaluation of regional development programs. Publ: Auth., An introduction to quantitative analysis in economic geography & co-auth., The geography of economic activity, McGraw, 68; auth., The spatial distribution of Chicago land values, 1910-1960, Econ. Geog., 65. Address: Dept. of Geography, Queen's University, Kingston, Ont. Can.
- YEATMAN, DR. T(REZEVANT) P(LAYER), JR., b. Columbia, Tenn., Aug. 25, 14; m. 46; c. 1. **SOCIOLOGY.** A.B. North Carolina, 37, A.M. 40, Ph.D. 48. Asst. prof. SOCIOL., GEORGE PEABODY COL., 48-59, ASSOC. PROF., 59-U.S.A., 42-45. Sociol. Asn. Public opinion; social theory; community. Publ: The save-our-schools business. Address: Dept. of Sociology, George Peabody College for Teachers, Nashville, Tenn. 37203.
- YEE, DR. FRANK S.H., Criminol., see 10th ed, Soc. & Behav. Vols.
- YEE, DR. ROBERT, b. Portland, Ore., Oct. 15, 25; m. 51; c. 2. **POLITICAL SCIENCE.** A.B. Washington (Seattle), 47, M.A. 49, Ford Found. fel., 51-52, John Hay Whitney Found. fel., 53-54, Ph.D. 57. Govt. res. consult., bur. govt. res. & serv., Washington (Seattle), 55-57; asst. prof. POLIT. SCI., Whitman Col., 57-59; instr., Wenatchee Valley Col., 59-60; asst. prof., CENT. WASH. STATE COL., 60-65, ASSOC. PROF., 65-. PROG. DIR., SOUTHEAST ASIA STUDIES, 67-. chmn. dept. polit. sci., 62-67, honors dir., 65-67. Polit. Sci. Asn. Political theory; public law; comparative government; American government and politics. Publ: Handbook for Washington third class cities; Faculty participation in the 1960 Presidential election, West. Polit. Quart., 3/63; Some reflections on academic facades, Improving Col. & Univ. Teaching, winter 65. Address: Dept. of Political Science, Central Washington State College, Ellensburg, Wash. 98926.
- YEH, K(UNG) C(HIA), Econ, see 10th ed, Soc. & Behav. Vols.
- YEH, DR. MARTIN HSIANG HSING, b. Soochow, China, Feb. 10, 28; Can. citizen. **AGRICULTURAL ECONOMICS.** B.S. Taiwan, 51; M.S. Mich. State, 55; Ph.D., Iowa State, 58. Res. assoc., Iowa State, 58-59; economet. & prod. econ., MANITOBA, 59-61, asst. prof. AGR. ECON., 61-64, ASSOC. PROF., 64-. Can. Coun. sr. fel., 66-67; fel., Yale, 66-67. Economet. Soc.; Am. Agr. Econ. Asn.; Can. Agr. Econ. Soc. Econometrics; production economics. Address: Dept. of Agricultural Economics, University of Manitoba, Winnipeg, Man., Can.
- YEH, DR. STEPHEN HWA-KUO, b. Peking, China, May 8, 32; U.S. citizen; m. 58; c. 1. **SOCIOLOGY, DEMOGRAPHY.** A.B.(math) & A.B.(anthrop), San Francisco State Col., 54; M.A., N.Y. Univ., 60, Ph.D.(sociol), 65. Instr. math. & chmn. dept., McBurney Sch., N.Y., 55-61; from instr. to asst. prof. sociol., Adelphi, 61-65; Pop. Coun. fel., off. pop. res., Princeton, 65-66; RES. ASSOC. DEMOG., POP. RES. CENTER, UNIV. CHICAGO, 66-; ASST. DIR., ECON. RES. CENTER, UNIV. SINGAPORE, 66-. Lectr., Singapore, 62-63. Sociol. Asn.; Pop. Asn. Am.; Int. Union Sci. Study Pop. Demographic, social and economic surveys. Publ: Co-auth., Singapore sample household survey, 1966; tables relating to population and housing, Singapore Govt. Printing Off., 67; auth., Marriage and family in a developing society, Moore, 68; The size and structure of households in Singapore, 1957-1966, Malayan Econ. Rev., 10/67. Address: Economic Research Center, University of Singapore, Singapore 10.
- YEHLE, DR. ARTHUR L., b. Syracuse, N.Y., Apr. 16, 25; m. 48; c. 2. **EXPERIMENTAL PSYCHOLOGY.** B.E.E., Cornell, 48; Nat. Sci. Found. fel., Miami (Fla.), 64-66, M.S. 66, Ph.D.(psychol), 67. Nat. Inst. Ment. Health fel. PSYCHOL., Miami (Fla.), 66-67; ASST. PROF., MEMPHIS STATE, 67-U.S.N.R., 42-46. AAAS; Psychol. Asn. Classical conditioning of autonomic and skeletal responses. Publ: Co-auth., Correlates of heart rate classification, J. Comp. & Physiol. Psychol., 67; auth., A method for transducing..., J. Exp. Anal. Behav., 68 & Divergences of rabbit response, J. Exp. Psychol., 68. Address: Dept. of Psychology, Memphis State University, Memphis, Tenn. 38111.
- YEHLE, DR. EUGENE C(ARROLL), b. Sheboygan, Wis., May 1, 20; m. 43; c. 3. **BUSINESS ADMINISTRATION.** A.B. Kalamazoo Col., 41; M.B.A. Michigan, 43, Ph.D.(bus. admin), 51; M.S. Mass. Inst. Tech., 44. Statist. engr., Dow Chem. Co., 51-52; instr. bus. statist., Michigan, 46-50, asst. prof., 50-53, assoc. prof., 53-57; asst. to gen. mgr. plastic mat. & prod., DOW CHEM. CO., 57-68, EXEC. ASST. FINANCE, 68-. U.S.A.A.F., 42-46, Capt. Statist. Asn.; Soc. Qual. Control; Nat. Asn. Bus. Econ. Industrial statistics; market research. Publ: Laboratory precision and specification limits, Anal. Chem.; Revised index of consumer prices, Mich. Bus. Rev.; Use of range charts, Am. Soc. Qual. Control Trans. Address: Dow Chemical Co. Treasury Dept., Midland, Mich. 48640.
- YELEN, DR. DELPHINE, b. Detroit, Mich., Oct. 22, 36; m. 59. **PSYCHOLOGY.** B.A., Wayne State, 58, Nat. Sci. Found. fel., 59-61, M.A. 61; Ph.D. (psychol), Iowa, 63. Asst. prof. PSYCHOL., WASHBURN, 63-66, ASSOC. PROF., 66-. Nat. Inst. Ment. Health summer res. grant, 64. Psychol. Asn. Learning; theories of learning; motivation. Publ: Magnitude of reward and reinforcement aftereffects, Psychonomic Sci., 67. Address: Dept. of Psychology, Washburn University of Topeka, Topeka, Kans. 66621.

- YELEN, DR. DONALD RONALD, b. Dearborn, Mich, Sept. 15, 36; m. 59. PSYCHOLOGY. B.A. Wayne State, 58; Ph.D.(psychol), Iowa, 63. Asst. prof. PSYCHOL, WASHBURN, 63-66, ASSOC. PROF, 66- Psychol. Asn. Personality; verbal behavior. Publ: Co-auth, Verbal satiation?, J. Verbal Learning & Verbal Behav, 63. Address: Dept. of Psychology, Washburn University, Topeka, Kans. 66621.
- YELLOTT, DR. JOHN (NGLE), JR, b. New York, N.Y., May 8, 38; m. 59; c. 2. PSYCHOLOGY. B.A. Stanford, 60, Nat. Defense Ed. Act fel. & M.A. 62, Nat. Inst. Ment. Health fel. & Ph.D.(psychol), 66. ASST. PROF. PSYCHOL, MINNESOTA, MINNEAPOLIS, 66-, STAFF MEM, CENTER RES. HUMAN LEARNING, 67-, univ. res. grant, grad. sch, 66-68. NASA res. grant, 66-68. AAAS; Psychol. Asn. Experimental psychology; mathematical models of learning and perception. Publ: Co-auth, Problems in mathematical learning theory, Wiley, 66 & Probability matching, Psychometrika, 66; auth, Correction in guessing in choice reaction time, Psychonomic Sci, 67. Address: Dept. of Psychology, University of Minnesota, Minneapolis, Minn. 55455.
- YENGOYAN, DR. ARAM A, b. Fresno, Calif, Sept. 14, 35; m. 61; c. 1. ANTHROPOLOGY. A.B. Fresno State Col, 56; M.A. California, Los Angeles, 58; Nat. Sci. Found. summer fel, Chicago, 60, Ford Found. fels, 60-62, Ph.D.(anthrop), 63. Instr. ANTHROP, Oklahoma, 62-63; asst. prof, MICHIGAN, 63-68, ASSOC. PROF. 68- Res. fels, Rackham Found. & Australian Inst. Aboriginal Studies, 66-67. Agr. Develop. Coun. summer fel, 65. Fel. Anthropol. Asn; Ethnol. Asn. Social anthropology; human and cultural ecology, especially demographic aspects; South East Asia and Australia. Address: Dept. of Anthropology, 221 Angell Hall, University of Michigan, Ann Arbor, Mich. 48104.
- YERACARIS, PROF. C(ONSTANTINE) A(NTHONY), b. Isle of Crete, Greece, July 25, 18; m. 49; c. 4. SOCIOLOGY. LL.B. Athens, 44; Pancretan Asn. Am. scholar, Chicago, 48-49, A.M. 50, Ph.D.(sociol), 53. Instr. SOCIOL, BUFFALO, 49-54, asst. prof, 54-57, assoc. prof, 57-62, PROF, 62- Coordinator, Evans Res. Proj, Sheppard Found, 52. Dir. res. & prin. investr, air pollution study, State Dept. Health, N.Y., 58-59; grants, U.S. Pub. Health Serv-Nat. Insts. Health, 59-61; grad. sch. arts & sci, Buffalo, 59-61; Ford Found, 59-61; dir. res, U.S. Pub. Health Serv-Nat. Insts. Health grant, 60; prin. investr. & dir. Nat. Inst. Ment. Health Training Prog, 64-; Participant, State Univ. N.Y. Res. Found. res. proj, 66- Award, Soc. Social Res, 49. Greek Army, 40-41, 45-46. Fel. Sociol. Asn; Statist. Asn; Pop. Asn. Am. Social change; social psychology; demography and human ecology; methods of research. Publ: Differential mortality: general and cause specific, J. Am. Statist. Asn, 55; Social factors associated with the acceptance of medical innovations, J. Health & Human Behav, 62; The modern metropolis: a challenge to democracy, Buffalo Studies, 67. Address: 485 Norwood Ave, Buffalo, N.Y. 14222.
- YETMAN, DR. NORMAN ROGER, b. New York, N.Y., Jan. 10, 38; m. 64; c. 1. SOCIOLOGY. A.B. Redlands, 60; Woodrow Wilson & Danforth fels, Pennsylvania, 60, M.A. 61, univ. fel, 61-66, Ph.D.(Am civilization), 65. Instr. sociol, Redlands, 62-63; ASST. PROF. AM. STUDIES & SOCIOL, KANSAS, 66- Sociol. Asn; Orgn. Am. Historians; Am. Studies Asn. American studies; minority group relations in American society. Publ: The background of the slave narrative collection, Am. Quart, fall 67. Address: Dept. of Sociology, University of Kansas, Lawrence, Kans. 66044.
- YILMAZ, DR. HÜSEYİN, Theoret. Physics, see 11th ed, Phys. & Biol. Vols.
- YING, DR. CHARLES CHIA-NUNG, b. Shanghai, China, Jan. 16, 37. ECONOMICS. BUSINESS ADMINISTRATION. B.A. Minnesota, 57; M.A. Yale, 60; fel, Harvard, 62-63, Ph.D.(econ), 64. Res. assoc. mgt, Mass. Inst. Tech, 63-64; ASST. PROF. BUS. ADMIN, ROCHESTER, 64- Economet. Soc; Inst. Mgt. Sci; Opers. Res. Soc. Am. Decision theory; economic theory; operations research. Publ: Stock market prices and volumes of sales, Econometrica, 7/66; Learning by doing—an adaptive approach to multi-period decisions, Opers. Res, 9/67; co-auth, The assignment of costs to joint products in a decentralized firm, J. Bus, 68. Address: College of Business Administration, University of Rochester, Rochester, N.Y. 14627.
- YINGER, PROF. J(OHN) MILTON, b. Quincy, Mich, July 25, 16; m. 41; c. 3. SOCIOLOGY. A.B. DePauw, 37; A.M. Louisiana, 39; Ph.D. Wisconsin, 42. From instr. to assoc. prof. sociol, Ohio Wesleyan, 41-47; assoc. prof. SOCIOLOG. & ANTHROP, OBERLIN COL, 47-52, PROF, 52-, res. prof, 63-64. Vis. prof, Michigan, 58; Washington, summer, 59; Hawaii, 61, sr. specialist, East-West Center, 68-69. Off. Ed. Coop. Res. Br. res. grant, 65-70; Guggenheim fel, 68-69. Anisfield-Wolf award, 59. Sociol. Asn; Soc. Study Social Probs; Soc. Sci. Study Relig. Sociology of religion; social psychology; race relations. Publ: Sociology looks at religion, Macmillan, 63; Toward a field theory of behavior, McGraw, 65; co-auth, Racial and cultural minorities: an analysis of prejudice and discrimination, Harper, 3rd ed, 65. Address: Dept. of Sociology & Anthropology, King Bldg, Oberlin College, Oberlin, Ohio 44074.
- YLVISAKER, DR. PAUL N, b. St. Paul, Minn, Nov. 28, 21; m. 46; c. 4. POLITICAL ECONOMY, GOVERNMENT. B.S. Mankato State Col, 42; Minnesota, 42-43; Littauer fel, Harvard, 44-45, M.P.A. 45, Ph.D. 48; hon. L.H.D., N.Y. Med. Col, 67. Asst. prof. polit. sci, Swarthmore Col, 48-53, assoc. prof, 53-55; exec. assoc. Ford Found, 55-58, assoc. prog. dir, 58-59, dir. pub. affairs prog, 59-67; CMNR, DEPT. COMMUNITY AFFAIRS, N.J., 67- Fulbright res. fel, Eng, 51-52; lectr, Pennsylvania, 52-53; Woodrow Wilson Sch, Princeton, 61-62, prof. & vis. lectr, 67- Staff dir, Inter-Univ. Case Prog, 53-54. Exec. secy, Mayor of Phila, 54-55. Mem, UN tech. asst. team, Japan, 60-62. Polit. Sci. Asn. Public administration; politics; urban and regional affairs; economic development; public policy. Publ: Battle of Blue Earth County; Natural cement controversy; Intergovernmental relations at the grass roots. Address: New Jersey Dept. of Community Affairs, 383 W. State St, Trenton, N.J. 08625.
- YNSFRAN, PROF. PABLO MAX, b. Asunción, Paraguay, July 30, 94. GOVERNMENT. B.Sc. Nat. Col. Paraguay, 11; Escibano Publico, Univ. Asun-
- ción, 21; Georgetown, 30. Secy, Ministry Pub. Ed, Paraguay, 18-21; prof. lit, philos. & Roman hist, Nat. Col. & Norm. Sch. for Profs, Paraguay, 23-28; Chargé d'Affaires of Paraguay, D.C. 29-33, 38-40; Minister Pub. Works, Paraguay, 40-41; prof. ROMANCE LANG, TEXAS, AUSTIN, 42-68, EMER. PROF, 68- Secy, Paraguayan del, Pan-Am. Conf, Chile, 23. Cor. mem. Royal Spanish Acad; Paraguayan Inst. Hist. Res; cor. mem. Inst. Hist. & Geog, Uruguay. South American government and literature. Publ: Ed, Marshal Estigarribia's memoirs of the Chaco War; auth, On Latinism; The North American expedition against Paraguay, Vols. I & II. Address: 403 E. 32nd St, Austin, Tex. 78705.
- YNTEMA, DR. D(OUWE) B(USEY), b. Urbana, Ill, Mar. 11, 25; m. 53; c. 2. PSYCHOLOGY. B.A. Swarthmore Col, 49; Ph.D.(psychol), Harvard, 55. Mem. staff, LINCOLN LAB, MASS. INST. TECH, 53-64, LEADER PSYCHOL. GROUP, 64- Vis. sr. res. assoc, center behav. sci, Harvard, 67- U.S.N., 43-45; U.S.M.C.R., 45-46. Psychol. Asn; Psychonomic Soc. Short-term memory; on-line use of computers. Address: Lincoln Lab, Massachusetts Institute of Technology, Lexington, Mass. 02173.
- YNTEMA, DR. DWIGHT B(ALDWIN), b. Holland, Mich, Feb. 4, 02; m. 40; c. 2. ECONOMICS. A.B. Hope Col, 26; A.M. Michigan, 27, Ph.D.(econ), 32; Yale, 30-31; Chicago, 27. Statistician & economist, U.S. Govt, 34-40; economist, bur. for. & domestic commerce, U.S. Dept. Commerce, 40-46; prof. econ. & head dept. econ. & bus. admin, Hope Col, 46-67; RETIRED. Lectr, exten. serv, Michigan, 48-50. Econ. Asn; Statist. Asn. National income estimation and analysis; income and wealth; unemployment compensation. Publ: Michigan's taxes on business, 1956. Address: 940 Paw Paw Dr, Holland, Mich. 49423.
- YOCOM, DEAN RICHARD A(LLEN), Psychol, see 11th ed, Phys. & Biol. Vols.
- YOCUM, PROF. JAMES C(ARLETON), b. Massillon, Ohio, May 18, 06; m. 36. MARKETING, ECONOMICS. B.Sc. Ohio State, 30, M.A. 32; Columbia, 40-41. Asst. bur. bus. res, OHIO STATE, 32-33, asst. prof. BUS. RES, 35-48, assoc. prof, 48-55, PROF, 55-, DIR. BUR. BUS. RES, 63-, assoc. dir, 59-62. Asst. dep. adminstr, Nat. Recovery Admin, 33-34; dir. res, Cmt. Consumer Rels. Advert, 40-41. Adv. Ohio Small Bus. Cmn, 48-49. Econ. Asn; Statist. Asn; Mkt. Asn.(award, 50). Retailing and advertising; business cycles and current business statistics; regional economic development. Publ: Retailers' costs of state sales tax collection; Consumer economics, In: Consumer problems in wartime; Employment and value added by manufacture, Vol. I & Income, trade, housing, Vol. II, In: The Columbus area economy—structure and growth, 1950-1985, Bur. Bus. Res, Ohio State, 65. Address: 2487 Lytham Rd, Columbus, Ohio 43221.
- YODER, DR. AMOS, b. Falls City, Nebr, Mar. 2, 21; m. 46; c. 3. INTERNATIONAL RELATIONS. B.A. Ohio Wesleyan, 42; Ph.D. Chicago, 49. Intern, Nat. Inst. Pub. Affairs, 42-43; res. intel. specialist, U.S. DEPT. STATE, 49-51, int. economist, 51-54, Bangkok econ. off, FOR. SERV, 54-56, Tel Aviv econ. off, 57-58, dept. int. econ, 59-61, int. rels. off, 64, first secy, econ-emil. affairs, Am. Embassy, Bangkok, Thailand, 65-68. Assoc. prof. lectr, California, Davis, 64-65. U.S.A.A.F., 43-46. Polit. Sci. Asn; Soc. Int. Develop. East Asia; international development; Communist affairs; political science. Publ: Patterns of foreign investment in Thailand, Far East. Surv; Communist China's economic growth in perspective, Am. J. Econ. & Sociol; Obstacles to Soviet economic growth, Orbis, winter 66. Address: U.S. Dept. of State, Washington, D.C. 20520.
- YODER, PROF. DALE, b. Gibson City, Ill, Feb. 4, 01. ECONOMICS. A.B. James Millikin, 23; Illinois, 23-24; A.M. Iowa, 26, Ph.D. 29. Instr. Iowa, 24-29, asst. prof, 29-31, assoc. prof, 32-34; prof. lectr, Minnesota, 34-35, prof. econ, 35-58, dir. indust. rels. center, 45-58; prof. INDUST. RELS. & dir. div, grad. sch. bus, STANFORD, 57-66, EMER. PROF, 66-; PROF. & DIR. BUR. BUS. RES, CALIF. STATE COL. LONG BEACH, 66- Consult, U.S. Dept. War, 44-45; Air Training Command, U.S. Air Force, 65- Dir. planning div, U.S. War Manpower Cmn, 43-44; chmn, labor mkt. res. cmt. Soc. Sci. Res. Coun, 50-60; v.chmn. sixth region, War Labor Bd, 44-45; mem, Fed. Adv. Coun. Employ. Security, 60- Econ. Asn; Statist. Asn; Economet. Soc; Indust. Rels. Res. Asn; Acad. Mgt; Acad. Arbit. Personnel principles and policies; labor economics; industrial relations; manager attitudes on management theory and management policy. Publ: Personnel management and industrial relations; co-auth, Labor economics and industrial relations; auth, Handbook of personnel management and labor relations. Address: School of Business Administration, California State College at Long Beach, Long Beach, Calif. 90801.
- YODER, DR. F(RED) R(OY), b. Hickory, N.C., Dec. 12, 88. SOCIOLOGY, POLITICAL SCIENCE. A.B. Lenoir Rhyne Col, 10, LL.D. 41; fel, Missouri, 15-17; A.M. North Carolina, 15; London, 19; Ph.D. Wisconsin, 23. Instr. agr. econ, La. State, 17; sociol, Missouri, 19-20; asst. prof. agr. econ, State Col. Wash, 20-21; assoc. prof. sociol. & head dept, 23-55; prof, Lewis & Clark Col, 55-57; econ. & sociol, West. Ky. State Col, 57-58; CHMN. DEPT. SOC. SCI, CAMPBELLSVILLE COL, 58- Agr. economist & sociologist, Laymen's Mission Inquiry, Japan, 30-31. U.S.A., 17-19, 43-44. Sociol. Asn; Rural Sociol. Soc; Agr. Econ. Asn; Econ. Asn; Polit. Sci. Asn; Hist. Asn. Rural Sociology; political science; agricultural and general economics. Address: Dept. of Business & Economics, Campbellsville College, Campbellsville, Ky. 42718.
- YODER, REV. J(AMES) WILLARD, Relig, Psychol, see 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- YODER, PROF. J(ULIAN) C(LIFTON), b. Danville, Va, May 29, 10; m. 37; c. 2. GEOGRAPHY. B.S. Appalachian State Teachers Col, 35; M.A. Peabody Col, 38; Ph.D.(geog), North Carolina, 49. Instr. geog, APPALACHIAN STATE, 33-38, assoc. prof, 38-49, PROF. & CHMN. DEPT. soc. studies, 59-65, GEOG, 65- Asn. Am. Geog; Nat. Coun. Geog. Ed; Geog. Soc. Mountain, political and economic geography. Address: 118 Highland Ave, Boone, N.C. 28607.
- YODER, PROF. WALLACE O(MER), Econ, see 10th ed, Soc. & Behav. Vols, deceased 66.

- YOHE, PROF. WILLIAM P(OE), b. Clifton Forge, Va, Feb. 22, 31; m. 53; c. 2. ECONOMICS. A.B. Kenyon Col, 53; fcls, Michigan, 53-56, A.M. 54, Ph.D. (econ), 59. Asst. Fed. Reserve Bank of Cleveland, Ohio, 53; instr. ECON, Michigan, 56-58; asst. prof. DUKE, 58-61, assoc. prof. 61-66, PROF, 66-, DIR. GRAD. STUDIES, 65- Adj. assoc. prof. N.C. State, 65-66. Econ. Asn. Money and banking; economic theory; public finance. Publ: Co-auth, Analytics and institutions of money and banking, Van Nostrand, 66; auth, The open market committee decision process and the 1964 Patman hearings, Nat. Banking Rev, 3/65; A study of federal open market committee voting, 1955-64, South. Econ. J, 4/66. Address: Dept. of Economics, Duke University, Durham, N.C. 27706.
- YOHO, PROF. JAMES G(IBSON), b. Brownsville, Pa, Sept. 3, 61; m. 43; c. 1. FOREST ECONOMICS. B.S. Georgia, 47; M.F. N.Y. Univ, 48; Ph.D. Mich. State, 56. Asst. forest mgt. col. forestry, N.Y. Univ, 47-48; asst. prof. forest econ. & mgt, Stephen F. Austin State Col, 48-51; asst. FORESTRY & FOREST ECON, Mich. State, 51-53; asst. prof. Iowa State, 53-56, assoc. prof. 56-57; assoc. prof. DUKE, 57-60, PROF, 60-, DIR. GRAD. STUDIES, SCH. FORESTRY, 62- Res. assoc. Resources for the Future, 64-65, 65; participant, guest prog. culture & sci, Fed. Repub. Germany, 65; Fulbright lectr, Lincoln Col, Canterbury, 68; participant, commonwealth land use & develop. symp. Oxford. Summer participant, study tour European teaching & res. orgn, 66. Consult. Southeast. Forest Exp. Sta, U.S. Forest Serv, 57-59, Pac. Northwest Exp. Sta, summers, 63, 67; Gov. South. Resource Anal. Cmt, N.C. Legis. of N.Y. U.S.A.F, 43-46. Econ. Asn; Agr. Econ. Asn; Soc. Am. Foresters (ed, J. Forestry, 61-68). Forest land, policy and production economics. Publ: Private forest landownership and management in the northern half of Michigan's lower peninsula; Chap. In: Comparisons in resource management—six notable programs in other countries and their possible U.S. application, Johns Hopkins, 61; co-auth, North Carolina lands—ownership, use, and management of forest and related lands, Am. Forestry Asn, 64. Address: Dept. of Forest Economics, School of Forestry, Duke University, Durham, N.C. 27706.
- YOLANDE, SISTER M. O.S.F., b. St. Croix Falls, Wis, Mar. 12, 09. ECONOMICS, POLITICAL SCIENCE. B.A. Col. St. Teresa, 31; summer, Minnesota, 39; M.A. Catholic Univ, 40, Ph.D.(econ), 46; summer, Fribourg, Switz, 50. PROF. ECON. & SOC. SCI, COL. ST. TERESA (MDNN), 42- Econ. Asn. Labor and industrial relations; money and banking; consumer problems. Publ: Trends in the use of checks, 1900-1940; Wage theories before certain industry committees of the Wage and Hour Administration; Some economic and ethical aspects of protective legislation for the consumer, Rev. Soc. Econ. Address: Dept. of Economics & Social Science, College of St. Teresa, Winona, Minn. 55987.
- YOLLES, DR. STANLEY F(AUSST), Med, Psychiat, see 11th ed, Phys. & Biol. Vols.
- YONEMURA, DR. GARY TOSHI, b. Honolulu, Hawaii, Sept. 17, 24; m. 55; c. 1. PSYCHOLOGY. B.S. Columbia, 54, M.A., 55, Ph.D., 61; Fulbright fel, U.S. Ed. Cmn, 58-59. Asst. vision & hearing, Columbia, 55-58, lectr. PSYCHOL, 58; instr. Indiana, 60-62, EXP. & PHYSIOL. PSYCHOLOGIST, NAT. BUR. STANDARDS, 62- U.S.A., 46-48. Am. Psychol. Asn; Optical Soc. Am. Psychophysics of vision. Publ: Luminance threshold as a function of angular distance from an inducing source, J. Optical Soc. Am. Address: National Bureau of Standards, Washington, D.C. 20234.
- YORDON, DR. WESLEY J(AMES), b. Plainfield, N.J, May 14, 31; m. 57; c. 4. ECONOMICS. B.A. Colorado, 56; M.A. Harvard, 58, Ph.D., 60. Asst. prof. ECON, COLORADO, 59-67, ASSOC. PROF, 67- Fulbright lectr, Cordoba & Nat. Univ. of the South, Argentina, 63 & Guadalajara, 65-66. U.S.A., 51-54, Sgt. Econ. Asn. Industrial organization and control; antitrust, economics of public utilities; microeconomic theory. Publ: Industrial concentration and price flexibility in inflation, Rev. Econ. & Statist; Another look at monopoly and wages, Can. J. Econ. & Polit. Sci; Inflation in Argentina: the monetary consequences of social conflict, West. Econ. J, fall 65. Address: Dept. of Economics, University of Colorado, Boulder, Colo. 80302.
- YORK, DR. C(YRUS) MICHAEL, b. Greensboro, N.C., Feb. 12, 32; m. 56; c. 2. INDUSTRIAL & SOCIAL PSYCHOLOGY. A.B. Davidson Col, 54; M.S. N.C. State, 56; Ph.D.(psychol), Maryland, 61. Res. asst. psychol, N.C. State, 54-56; sr. res. assoc. Am. Insts. Res, 59-60, assoc. res. scientist, 60-61, res. scientist, 61-62; asst. prof. PSYCHOL, GA. INST. TECH, 62-68, ASSOC. PROF, 68- Mem. road user characteristics cmt, Nat. Acad. Sci, 67- U.S.A., 57, Capt. AAAS; Psychol. Asn. Personnel research relating to selection, placement, training, job satisfaction and performance evaluation; social psychology, especially attitudes and group effectiveness. Address: 852 Wellesley Dr. N.W., Atlanta, Ga. 30305.
- YORK, DR. RICHARD H(AMILTON), b. Somerville, Mass, June 12, 18; m. 48; c. 4. PSYCHOLOGY. A.B. Dartmouth Col, 40; M.A. Boston, 47, Ph.D.(clin. psychol), 51. Staff psychologist, Vet. Admin. Hosp, Providence, R.I., 50-52; res. psychologist, Boston Psychopathic Hosp, 52-57; chief psychologist, Butler Health Center, Providence, 57-60, res. dir, 60; res. assoc. psychol, State Dept. Ment. Health, Mass, 60-62; assoc. Psychol. Assessment Assocs, D.C., 62-66; PROG. DIR. RUTLAND HEIGHTS MENT. HEALTH REHAB. CENTER, MASS. DEPT. MENT. HEALTH, 66- Staff psychologist, Mass. Gen. Hosp, Boston, 52-53. Consult, cmt. eval, Conf. Eval. Pharmacother. Ment. Illness, 56; Human Ecol. Fund, 61- Mem. adv. cmt, Joint Cmn. Ment. Illness & Health, 56-60; chmn. res. adv. cmt, R.I. Coun. Community Serv, 60. U.S.N.R., 42-46, Lt. Psychol. Asn; Sociol. Asn. Assessment of interaction between personality and social environment; theories of personality; social treatment of psychoses. Publ: Patient care in mental hospitals; co-auth, Milieu rehabilitation, Butler Health Center, Providence, R.I., 62; Strategies of mental hospital change, Mass. Dept. Ment. Health, 64. Address: 20 Squeteague Harbor Rd, Cataumet, Mass. 02534.
- YORMAK, DR. BERNARD B, b. Brooklyn, N.Y., Apr. 6, 24; m. 55. CLINICAL PSYCHOLOGY. B.S. Long Island, 48; M.S. Wisconsin, 50; fel, Pa. State, 50-51, Ph.D.(clin. psychol), 56. Suprvy. clin. psychologist, ment. hyg. clin, Vet. Admin. Hosp, 56-63; chmn. dept. emotionally handicapped, except. children div, STATE UNIV. N.Y. COL. BUFFALO, 63-68, CHMN. DEPT. LEARNING & BEHAV. DISORDERS, 68-, lectr. 59-60. From lectr to asst. prof, Millard Fillmore Col, 61-63. Consult. & supvr. psychol, Methodist Home for Children, Williamsville, 61- Dipl. clin. psychol, Am. Bd. Exam. Prfnl. Psychol, 65. U.S.A.A.F., 43-45. Psychol. Asn; Acad. Psychother. Psychotherapy; language behavior. Address: State University of New York College at Buffalo, 1300 Elmwood Ave, Buffalo, N.Y. 14222.
- YOSHIHASHI, PROF. TAKEHIKO, b. Hollywood, Calif, Apr. 17, 12; m. 43; c. 1. INTERNATIONAL RELATIONS. B.A. California, Los Angeles, 36; fcls, Harvard, 38-39, 41-43, M.A., 43; John Hay Whitney Found. fel, Yale, 52-53, Jr. Sterling fel, 54-55, Ford Found. fel, 55, Ph.D., 58. Chief Japanese Sect, Off. War Info, Calif, 43-45; sr. interpreter, U.S. Strategic Bombing Surv, 45-46; mgr, import-export firm, F.M. Nonaka & Co, 48-50; instr. Japanese, Yale, 55-59; asst. prof. far east. studies & int. rels, SCH. INT. SERV, AMERICAN UNIV, 59-62, asst. dean, 60-62, assoc. prof. int. rels. & assoc. dean, 62-65, PROF. INT. RELS, 65- Ford Found. traveling fel, East Asia, 65-66. Polit. Sci. Asn; Asn. Asian Studies. Opinions in countries where the civilian military relations become a critical political issue; to develop and refine concepts of values as they apply to individuals and human society and their application to concrete situation. Publ: Elementary Japanese for college students; Conspiracy at Mukden: the rise of the Japanese military, Yale, 63. Address: School of International Service, American University, Washington, D.C. 20016.
- YOST, EARL K(NISELY), JR, b. El Reno, Okla, Dec. 13, 18; m. 41; c. 2. MATHEMATICAL STATISTICS. B.S. Washington & Jefferson Col, 40; M.S. Oregon, 48. Statistician, Gen. Elec. Hanford Works, 47-49; Naval Air Sta, Norfolk, Va, 49-51; anal. statistician, chief bur. aeronaut, U.S. Navy, D.C., 51-52, bur. ord, 52-53; ops. analyst, Strategic Air Command Hqs, Offutt Air Force Base, 53-56, hqs. U.S. Air Force, Pentagon, 56-57, Tinker Air Force Base, 57-58; Airways Modernization Bd, 58-59; chief statist. div, Fed. Aviation Agency, 60-62; chief statistician, Defense Supply Agency, 62-67; DIR. PROG. EVAL, SMALL BUS. ADMIN, 67- U.S.M.C., 40-43. Soc. Qual. Control; Statist. Asn; Ops. Res. Soc. Basic reliability; reliability engineering. Publ: Co-auth, MIL-STD-105D, sampling procedures and tables for inspection by attributes, 63, & Department of Defense handbook, guide for sampling inspection, 65, auth, Factors and procedures for applying MIL-STD-105D sampling plans to life and reliability testing, 65, Govt. Printing Off. Address: 723 Hillsboro Dr, Wheaton, Md. 20902.
- YOTOPOULOS, DR. PAN A, b. Athens, Greece, May 10, 33. ECONOMICS. Dipl. Nat. Univ. Greece, 56; M.A. Kansas, 57; Ph.D.(econ), California, Los Angeles, 62. Instr. ECON, Wisconsin, Milwaukee, 60-62, asst. prof. 62-65, assoc. prof. 65-67, prof. 67; ASSOC. PROF, FOOD RES. INST, STANFORD, 68- Sr. assoc. Center Econ. Res, Greece, 61 & 63-65; vis. assoc. prof. & dir. econ. res. center, Hawaii, 67. Econ. Asn; Economet. Soc. Economic theory and development. Publ: Co-auth, Labor surplus in Greek agriculture; 62; auth. & ed, Economic analysis and economic policy, 66 & auth, Allocative efficiency in economic development, 68, Center Econ. Res, Athens. Address: Food Research Institute, Stanford University, Stanford, Calif. 94305.
- YOUMANS, DR. E(LMER) GRANT, b. Elling, N.Dak, Oct. 2, 07; m. 45; c. 2. SOCIOLOGY. A.B. Chicago, 37, A.M. 38; Ph.D.(sociol), Mich. State, 53. Mgt. analyst, U.S. Govt, 40-46, 51-53; instr. soc. sci, Mich. State, 46-51; res. sociologist, Nat. Inst. Ment. Health, 53-57; SOCIOLOGIST, U.S. DEPT. AGR, 57-; PROF. SOCIOL, KENTUCKY, 61- AAAS; Sociol. Asn; Rural Sociol. Soc; Gerontol. Soc. Gerontology; group dynamics; occupations. Publ: Older rural Americans, Univ. Kentucky, 67. Address: Dept. of Sociology, University of Kentucky, Lexington, Ky. 40506.
- YOUMANS, DR. JOHN B(ARLOW), Internal Med, see 11th ed, Phys. & Biol. Vols.
- YOUNCE, DR. M(AJOR) LARRY, Polit. Sci, see 10th ed, Soc. & Behav. Vols.
- YOUNG, PROF. A(LBERT) L(EON), b. Vernon, Ala, Nov. 9, 87; m. 16; c. 2. EDUCATIONAL PSYCHOLOGY. B.S. Ala. Polytech, 10; M.A. Peabody Col, 25, Gen. Ed. Bd. fel, 31-32, Ph.D.(ed. psychol), 34. Prof. psychol, DELTA STATE COL, 25-58, acting dean, 47, head dept. ed. & chmn. faculty curriculum cmt, 47-58, EMER. PROF. PSYCHOL, 58- Psychol. Asn. Learning; experimental psychology. Publ: Teaching with motion pictures, Peabody J. Ed; Comparative efficiency of learning by constant and varied methods, J. Exp. Psychol. Address: 811 S. Court St, Cleveland, Miss. 38732.
- YOUNG, ALBERT T(HOMAS), JR, b. Alexandria, Va, Sept. 8, 23; m. 45; c. 3. PSYCHOLOGY. B.A. Minnesota, 48, M.A., 50; American Univ, 54-57. Asst. inst. child welfare, Minnesota, 48-50; psychologist, fed. bur. prisons, U.S. Pub. Health Serv, 50-59; prfnl. asst. prog. anal. & eval, NAT. SCI. FOUND, 59-63, spec. asst. to dep. assoc. dir. ed, 63-67, EXEC. ASST. TO ASSOC. DIR. ED, 67- Psychologist, pub. schs, Va, 50-53, dir. spec. serv, 53-59. Mem, Thayer Conf. Functions, Qualifications & Training Sch. Psychologists, 54; adv. bd, United Cerebral Palsy of North. Va, 57- U.S.A., 44-45. AAAS; Psychol. Asn; Statist. Asn; Sci. Teachers Assn. Science administration; evaluation of programs in science education; scientific manpower educational measurement. Address: Room 620, National Science Foundation, Washington, D.C. 20550.
- YOUNG, DR. ARLIE GRANT, b. Eureka, Kans, Aug. 18, 25; m. 53; c. 2. PSYCHOLOGY. B.A. Utah, 64; M.A. Ohio State, 65, Nat. Sci. Found. fel, 66-67, Ph.D.(psychol), 67. Res. asst. PSYCHOL, Ohio State, 64-65, teaching asst, 65-66; ASST. PROF, LA. STATE, 67- Vis. asst. prof. Univ. Colorado, summer 67. Psychol. Asn. Learning; motivation; behavior theory. Publ: Resistance to extinction as a function of nonreinforced trials and effort, 66, co-auth, Resistance to extinction as a function of incentive, percentage reinforced and nonreinforced trials, 67 & auth, Resistance to extinction as a function of partial reinforcement and bar weighting, 68, J. Exp. Psychol. Address: Dept. of Psychology, Louisiana State University, Baton Rouge, La. 70803.

- YOUNG, DR. ARTHUR N(ICHOLS)**, b. Los Angeles, Calif, Nov. 21, 90; m. 15; c. 3. **INTERNATIONAL FINANCE**. A.B. Occidental Col, 10, LL.D. 37; A.M. Princeton, 11, Ph.D. 14; LL.B. George Washington, 27. Prof. econ, Presby. Col.(S.C.) 12-13; instr, Princeton, 15-17; financial adv, Mex, 18; Honduras, 20-21; econ. adv, U.S. Dept. State, 22-29; financial adv, China, 29-46; Saudi Arabia, 51-52; consult. for. invest. For. Opers. Admin, 64; monetary probs, Laos, Cambodia & Taiwan, 57-58; taxation, Argentina, 62-63. Guggenheim fel, 56-58. Trustee, Occidental Col, 50- Order of Brilliant Jade, China, 39. Econ. Assn; Acad. Polit. Sci. Currency and public finance; financial stabilization; foreign investment. Publ: The single tax movement in the U.S.; China and the helping hand; China's wartime finance and inflation, 1937-1945, Harvard, 65. Address: 985 E. California Blvd, Apt. 303, Pasadena, Calif. 91106.
- YOUNG, PROF. BRUCE C**, b. Brawley, Calif, Aug. 12, 31; m. 58; c. 1. **GEOGRAPHY**. B.A. California, Los Angeles, 53, M.A. 57, Ph.D.(geog.), 68. **PROF. GEOG. SANTA MONICA CITY COL**, 57- Assn. Am. Geog; Am. Geog. Soc. Address: 3643 Oceanhill Way, Malibu, Calif. 90265.
- YOUNG, PROF. BRUCE STRATTON**, Geog, see 10th ed, Soc. & Behav. Vols.
- YOUNG, BURTON OWEN**, b. St. Paul, Minn, July 9, 09; m. 37. **ECONOMICS, PUBLIC ADMINISTRATION**. A.B. Oberlin Col, 30; Southern California, 33-34; M.A. Colorado, 35; Am-Scandinavian Found. fel, Stockholm, 37-38; summers, Chicago, 36-38; Littauer fel, Harvard, 40-41, M.P.A. 41. Asst. econ, Colorado, 34-37; instr, Grinnell Col, 38-39; economist & consult, Fed. Housing Admin, 39-41, econ. analyst, Div. Defense Housing Coord, 41-42; housing economist, Nat. Housing Agency, 42-43, chief prog. rev. sect, 43-44, prog. dir. war housing, 44-45, chief housing econ. sect, 45-46, dir. housing econ. div, 46-48; disposition staff, Off. Adminstr. Housing & Home Finance Agency, 48-50, asst. to adminstr. spec. housing opers. 50-51, dir. defense prog. br, 51-55, dir. area rev. & certifications staff, 55-60, community prog. staff, 60-64, dep. asst. adminstr. community progs, 64-65, dep. dir. **WORKABLE PROGS. STAFF, DEPT. HOUSING & URBAN DEVELOP**, 65-67, **ACTING DIR**, 67- Award, Nat. Civil Serv. League, 55. Econ. Assn; Soc. Pub. Admin. Publ: Development of legal protection for investors; co-auth, Housing in Ethiopia, Dept. Housing & Urban Develop, 66. Address: 3131 N. Military Road, Arlington, Va. 22207.
- YOUNG, CHARLES E(DWARD)**, Econ, Statist, see 10th ed, Soc. & Behav. Vols.
- YOUNG, PROF. CHARLES E(DWARD)**, b. San Bernardino, Calif, Dec. 30, 31; m. 50; c. 2. **POLITICAL SCIENCE**. B.A. California, 55; M.A. California, Los Angeles, 57, Charles Fletcher Scott fel, 58; Am. Polit. Sci. Assn. Congressional fel, 58-59, Ph.D. 60. Admin. analyst bur. govt. res. CALIFORNIA, Los Angeles, 57-58; asst. prof. polit. sci. Davis, 59-60, asst. prof. & asst. chancellor, LOS ANGELES, 60-66, **ASSOC. PROF. POLIT. SCI.**, 66- **ADMIN. V.CHANCELLOR**, 67- Consult, joint interim cmt, Calif. Legis, 57-58; Peace Corps, 61; Ford Found, 64- Mem. Cmt. Univs. & Int. Progs. Ed. & World Affairs, 65-; admin. cmn, Am. Coun. Ed, 66- U.S.A.F, 50-52. Polit. Sci. Assn. Legislative process; American political parties; political philosophy of Justice Holmes; administration of higher education. Publ: Study of voting splits on city councils. Address: Office of the Chancellor, University of California, Los Angeles, Calif. 90024.
- YOUNG, PROF. CLARENCE W(HITFORD)**, b. St. Paul, Minn, Aug. 3, 02; m. 28, 46; c. 2. **PSYCHOLOGY**. A.B. Stanford, 26, A.M. 27; fel, Iowa, 27-29, Ph.D. 29. Asst. prof. **PSYCHOL, COLGATE**, 29-43, assoc. prof, 43-44, **PROF**, 44- Psychol. Assn. Psychological effects of acoustical treatment; effectiveness of laboratory equipment for learning foreign languages. Publ: Collab. Human organism and the world of life & Introduction to biological science. Address: 79 Hamilton St, Hamilton, N.Y. 13346.
- YOUNG, DR. DALLAS M**, b. Christopher, Ill, Jan. 15, 14; m. 39; c. 1. **ECONOMICS**. B.Ed. South. Ill. State Norm, 36; A.M. Illinois, 37, Ph.D. 41. Acting head dept. soc. sci, Jefferson City Jr. Col, Mo, 41-42; lectr. **ECON**, Northwestern, 45-46; assoc. prof, Grinnell Col, 46-48; **CASE WESTERN RESERVE**, 48-64, **PROF**, 64- Lectr, Ill.Inst. Tech, 46. From assoc. labor economist to sr. labor economist, War Labor Bd, Kansas City, Mo, 42-45; asst. wage stabilization dir, Chicago, Ill, 45; v.chmn, Regional Wage Stabilization Bd, 51-53. Impartial umpire, Cleveland Transit Syst, 56-61. Econ. Assn; Indust. Reels. Res. Assn; Adult Ed. Assn; Acad. Arbit. Economics and labor relations of urban transit industry. Publ: Understanding labor problems. Address: Dept. of Economics, Case Western Reserve University, 332 Baker Bldg, Cleveland, Ohio 44106.
- YOUNG, DR. DONALD D(REXAL)**, b. Lawrenceville, Ill, Jan. 19, 34; m. 56; c. 1. **EXPERIMENTAL PSYCHOLOGY**. B.S. Purdue, 59; M.S. Miami (Fla), 62, Ph.D.(exp. psychol), 63. Sr. res. engr, space & info. systs. div, N.A.M. Aviation, Inc, Calif, 63-64; eng. specialist, Philco-Ford Corp, 64-67; **ACTING HEAD TRAINING EFFECTIVENESS DEPT, NAVAL TRAINING DEVICE CENTER**, 67- U.S.N, 53-54. Psychol. Assn; Human Factors Soc. Training effectiveness; bioastronautics; quantification of human performance. Publ: Co-auth, Investigation of the relationship between operator performance and operator panel layout, Philco-Ford Corp, 66; auth, The spiral aftereffect and retinal adaptation, Dissertation Abstracts, 64; co-auth, An evaluation of four methods of monitoring simultaneous primary and secondary voice messages, Human Factors, 2/67. Address: 2817 Nancy St, Orlando, Fla. 32806.
- YOUNG, DR. DONALD R(AMSEY)**, b. Macungie, Pa, July 5, 98; m. 25; c. 2. **SOCIOLOGY**. A.B. Lafayette Col, 19, D.Litt, 67; A.M. Pennsylvania, 20, Ph.D. 22; L.H.D. Rutgers, 55; LL.D. Princeton, 62. Asst. instr. sociol, Pennsylvania, 19-20, instr, 20-23, asst. prof, 23-25, prof, 35-47, chmn. dept, 43-45; gen. dir, Russell Sage Found, 48-55, pres, 55-63; **VIS. PROF. SOCIOL, ROCKEFELLER UNIV**, 64- Vis. instr. & lectr, Drexel Inst, 25-29. Secy. fcls. & grants-in-aid, Soc. Sci. Res. Coun, 32-35, res. secy, 35-45, exec. dir, 45-47, pres, 48. Consult, Joint Army & Navy Cmt. Welfare & Recreation, 42-45. Pres, Int. Soc. Sci. Coun, 52-62; chmn, Nat. Acad. Sci-Nat. Res. Coun. adv. cmt. on govt. progs. in behav. sci, 65- Fel. AAAS; Sociol. Assn.(pres, 55); Philos. Soc; Sociol. Res. Assn.(pres, 37). Intergroup relations; population. Publ: American minority peoples; Minority peoples in the Depression. Address: R.D. 1, Macungie, Pa. 18062.
- YOUNG, DUDLEY E(THERIDGE)**, b. Whittier, Calif, Nov. 11, 13; m. 38; c. 4. **ECONOMICS**. B.S. Kans. State Col, 36; M.S. Mont. State Col, 37. From asst. chief div. manpower & employ. statist. to DEP. ASST. CMNR. BUR. LABOR STATIST, U.S. DEPT. LABOR, 50- Statist. Assn. Employment and earnings measurement. Address: 5636 Guinea Rd, Fairfax, Va. 22030.
- YOUNG, DR. E(LIZABETH) BELL**, Speech Path, see 11th ed, Phys. & Biol. Vols.
- YOUNG, DR. E(RNEST) C(HARLES)**, Agr. Econ, see 10th ed, Soc. & Behav. Vols, deceased 68.
- YOUNG, PROF. FLORENE M(ARY)**, b. Oak Hill, Ala, Nov. 17, 01. **PSYCHOLOGY**. A.B. Winthrop Col, 23; M.A. Columbia, 26; Ph.D.(psychol), Peabody Col, 38. Asst. prof. ed, Ga. State Teachers Col, Athens, 26-31; asst. prof. **PSYCHOL, GEORGIA**, 31-42, assoc. prof, 42-49, **PROF**, 49- Fel. Psychol. Assn. Clinical and child psychology; techniques of therapy. Publ: Responses of juvenile delinquents to TAT, J. Genetic Psychol; co-auth, Comparison of Grassi block test and WB in organic brain damage, J. Clin. Psychol; Results of testing syphilis with the WISC, J. Consult. Psychol. Address: Dept. of Psychology, University of Georgia, Athens, Ga. 30601.
- YOUNG, DR. FORREST A(LBERT)**, b. Hutchinson, Kans, Nov. 21, 00. **ECONOMICS, BUSINESS ADMINISTRATION**. B.S. Monmouth Col, 22; A.M. Chicago, 26; Ph.D. Iowa, 38; London, 23. Instr. Assut Col, Egypt, 22-25; econ, George Washington, 26-29; prof, chmn. dept. & chmn. soc. sci. div, Macalester Col, 29-65; **RETIRED**. Hill Found. Study grant, Mid. East, 54. Mem. Governor's Coun. Employ. Security, 58-65. Econ. Assn. Finance; international economics; Middle East. Publ: Co-auth, Money and banking. Address: 1885 Berkeley Ave, St. Paul, Minn. 55105.
- YOUNG, PROF. FRANCIS A(LLAN)**, Psychol, see 11th ed, Phys. & Biol. Vols.
- YOUNG, DR. F(RANK) CHANDLER**, b. Winnetka, Ill, Apr. 2, 18; m. 42; c. 2. **EDUCATIONAL PSYCHOLOGY**. Ph.D.(ed), Wisconsin, 51. **ASST. DEAN, COL. LETTERS & SCI, WISCONSIN**, 46- U.S.A, 42-46. Psychol. Assn; Personnel & Guid. Assn. Counseling psychology. Publ: College students judge their own scholastic promise & Evaluation of a college counseling program, Personnel & Guid. J. Address: 107 South Hall, University of Wisconsin, Madison, Wis. 53706.
- YOUNG, DR. FRANK W(ILBUR)**, b. Chicago, Ill, May 31, 28; m. 56; c. 2. **SOCIAL ANTHROPOLOGY, SOCIOLOGY**. B.A. Washington (Seattle), 50; M.A. Cornell, 54, Ph.D.(soc. anthropol), 57. Asst. prof. anthropol, San Diego State Col, 58-61; Pittsburgh, 61-62; **ASSOC. PROF. RURAL SOCIOL, CORNELL**, 62- Med.C, U.S.A, 50-52. Fel. Anthropol. Assn; Sociol. Assn. Comparative modernization; social symbolics; cross-cultural methodology. Publ: Initiation ceremonies: a cross-cultural study of status dramatization, Merrill, 65; A proposal for cooperative cross-cultural research of inter-village systems, Human Orgn, 66; Incest taboos and social solidarity, Am. J. Sociol, 5/67. Address: Dept. of Rural Sociology, 34 Warren Hall, Cornell University, Ithaca, N.Y. 14850.
- YOUNG, DR. GEORGE L**, Hist, Polit. Sci, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- YOUNG, DEAN GEORGE WILLIAM**, b. Ft. Lauderdale, Fla, Jan. 21, 38; m. 60; c. 2. **PSYCHOLOGY, HIGHER EDUCATION**. B.S. Fla. State, 59, M.S. 61, Ph.D.(higher ed), 66. Res. dir, Fla. Children's Cmn, 61-62; counsr, Fla. State, 62-65, dir. counseling, 65-66; **ASST. PROF. PSYCHOL. & DEAN STUDENTS, VALDOSTA STATE COL**, 66- Consult, Higher Ed. Exec. Assn, 66- Personnel & Guid. Assn. Collegiate drinking behavior; college-university and student personnel administration; counseling. Publ: Co-auth, chap, in: Handbook of college and university administration, McGraw, (in press). Address: Dept. of Psychology, Valdosta State College, Valdosta, Ga. 31601.
- YOUNG, DEAN HARDING B(ERNETTE)**, b. Rosston, Ark, Jan. 16, 22; m. 52; c. 1. **BUSINESS ADMINISTRATION, STATISTICS**. B.S. Ark. Agr. Mech. & Nor. Col, 44; M.C.S. Boston, 48; D.C.S.(bus. admin), Harvard, 55. Asst. prof. bus, Ark. Agr. Mech. & Nor. Col, 48-52, prof. bus. & asst. to pres, 55-61; **DEAN SCH. BUS. ADMIN, ATLANTA**, 61- Training fel, Harvard, 54-55. Statist. Assn; Acct. Assn. Administration and development of budgets. Publ: The budget doesn't belong to the business manager & Capital budgeting, Col. & Univ. Bus; Certain cast concepts, J. Higher Ed. Address: School of Business Administration, Atlanta University, Atlanta, Ga. 30314.
- YOUNG, DR. HARL H(ENRY)**, b. Martin, Tenn, Dec. 16, 28; m. c. 2. **CLINICAL PSYCHOLOGY**. B.S. Memphis State Col, 51; M.A. Texas, 53, Ph.D. (psychol), 57. Instr. psychol, Oklahoma, 56-57, asst. prof, 57-59; res. clin. psychologist, Vet. Admin. Hosp, 59-67; **CHIEF PSYCHOL. CONSULT, STATE DEPT. INSTS**, 67- Lectr, Regis Col, 60; exten. div. & sch. nursing, Colorado, 60-; private practice, Lakewood Consult. Group, 60- Consult, State Personnel Bd, Okla, 56-59; Vet. Admin. Ment. Hyg. Clin, Denver, 65- U.S.N, 46-48. Psychol. Assn; Acad. Psychother; Int. Coun. Psychol. Evaluation of mental health programs, including cost-benefit analysis; research and innovation in organization and delivery of health services. Publ: A test of Witkin's field-dependency hypothesis, J. Abnorm. & Soc. Psychol; co-auth, Effects of item order and context on personality ratings, Ed. & Psychol. Measurement & The combination of psychodiagnostic cues, J. Personality. Address: State Dept. of Institutions, 328 State Services Bldg, Denver, Colo. 80203.
- YOUNG, DR. HAROLD N(EWELL)**, b. Crystal Dale, N.Y, July 31, 95; m. 20; c. 1. **AGRICULTURAL ECONOMICS**. B.S. Cornell, 17, Ph.D.(farm mgt), 30. Teacher agr, Franklin Acad, N.Y, 20-25; head dept. animal husb, N.Y. Sch. Agr, Canton, 25-26; instr. farm mgt. & mkt, Cornell, 26-30; assoc. prof. agr. econ, Va. Polytech, 30, prof. & head dept. agr. econ. & rural sociol, 30-46, dir, exp. sta, 46-65, **RETIRED**. Fel, Int. Conf. Agr. Econ, Germany, 34. Spec. investr, Farm Credit Admin, 33-34. Econ. consult, U.S. Secy. Treas, 43. U.S.A, 17-19, Sgt. AAAS; Agr. Econ. Assn. Farm management; marketing; production and land economics; prices; farm finance. Publ: Production and marketing of dry field beans in New York,

- Cornell Exp. Sta. Bull. 523, 12/31; Physical volume of production, Virginia agriculture, 1900-1954, Va. Agr. Exp. Sta. Bull. 481, 2/57; The Virginia Agricultural Experimental Station, (in prep). Address: 702 Airport Rd, Blacksburg, Va. 24060.
- YOUNG, HOWELL POST, b. Brooklyn, New York, Dec. 9, 10; m. 46; c. 2. ECONOMICS. B.A. Amherst Col. 34; N.Y. Univ. 48-49. Prod. mgr. advert. & mkt. res. L.M. Clark, Inc. 38-41; ASST. ECON. & MKT. RES. MUTUAL LIFE INS. CO. N.Y. 46. U.S.A. 41-46. Econ. Asn; Statist. Asn; Regional Sci. Asn. Growth and economic outlook for regions, states and metropolitan areas, especially real estate and mortgage lending problems including family formation, housing need and demand. Address: Mutual of New York, 1740 Broadway, New York, N.Y. 10019.
- YOUNG, PRES. H(UGH) EDWIN, b. Bonne Bay, Newf, May 3, 17; nat; m; c. 4. ECONOMICS. B.S. Maine, 40, M.A. 42; Ph.D.(econ), Wisconsin, 50. Instr. ECON. Westbrook Jr. Col. 42-43; Maine, 43-45, asst. prof. 46-47; asst. Wisconsin, 45-46, instr. 47-50, asst. prof. 50-52, assoc. prof. 52-55; prof. 55-65, dean col. letters & sci. 61-65, chmn. dept. econ. 53-61; PRES. MAINE, 65- Ford Found. faculty fel. Belgium, 55-56; dir. Wisconsin-Ford Found. Indonesian proj. 57-; summers instr. Salzburg Seminar, Austria, 48, consult. U.S. Dept. State, Europe, 50. Mem. Harvard Adv. Cmn. Govt. Pakistan, 61. Econ. Asn; Indust. Rels. Res. Asn. History of the labor movement; industrial relations. Publ: Contrib. Human relations and modern management; co-ed, Labor and the new deal. Address: University of Maine, Orono, Maine 04473.
- YOUNG, DR. JAMES DOUGLAS, Eng, Speech, Drama, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- YOUNG, DR. JAMES ELMER, b. DuBois, Pa, Dec. 15, 27; m. 49; c. 2. ECONOMICS, INDUSTRIAL RELATIONS. B.A. Akron, 49; fel. & M.A. Ohio State, 54, Earhart Found. fel. & Ph.D.(econ), 59. Auditor acct. Goodyear Tire & Rubber Co. Ohio, 51-53; instr. econ. Ohio State, 54-59; asst. prof. Arizona, 60-63, assoc. prof. 63-67, assoc. dir. inst. indust. & labor rels. bur. bus. & pub. admin. 61-67; PROF. ECON. & DIR. INST. LABOR & INDUST. RELS. & BUR. ECON. & BUS. RES. KENT STATE, 67- Instr. Wittenberg, 57-58; pub. rep. Manpower Develop. & Training Act adv. coun. training & retraining projs. 65-66; arbitrator, Fed. Mediation & Conciliation Serv. Roster Permanent Arbitrators, 67- Mem. task force ed. training, Tucson Cmt. Econ. Opportunity, 65-66. Nat. Sci. Found. award, 61. Econ. Asn; Indust. Rels. Res. Asn. Labor market study; labor relations law; wages and employment; national income analysis. Publ: Member participation in the trade union local, Am. J. Econ. & Sociol.; Factors affecting profitability of small businesses in Arizona: historical description of collective bargaining in Arizona, 1947-1960, Ariz. Rev. Bus. & Pub. Admin; Community income generation and the local business firm, Ariz. Rev. 11/65. Address: Bureau of Economic & Business Research, Kent State University, Kent, Ohio 44240.
- YOUNG, DR. JAMES NEAL, b. Florence, S.C. July 26, 24; m. 60; c. 1. SOCIOLOGY. B.S. Clemson Col. 48; M.S. Kentucky, 50, Ph.D. 59; Massey Agr. Col. N.Z. 52-53. Instr. rural sociol. Kentucky, 55-57; from asst. prof. rural sociol. to ASSOC. PROF. SOCIOLOGICAL & RURAL SOCIOLOGY, N.C. STATE, 57- U.S.A.A.F. 42-46, Sgt. Sociol. Asn; Rural Sociol. Soc. Rural sociology; community organization. Publ: Co-auth. Membership characteristics of special interest organizations. Ky. Agr. Exp. Sta. Bull. & Influence of neighborhood norms on the diffusion of recommended farm practices, Rural Sociol. Address: Dept. of Sociology, 11 Harrelson Hall, North Carolina State University, Raleigh, N.C. 27607.
- YOUNG, PROF. JAMES P(IERCE), Polit. Sci, see 10th ed, Soc. & Behav. Vols.
- YOUNG, DR. JAMES VAN, b. Waterloo, Iowa, June 12, 36; m. 59; c. 2. POLITICAL SCIENCE. B.A. Iowa, 58, J.D. 60, fel. & Ph.D. 64. Instr. POLIT. SCI. Iowa, 64; ASST. PROF. St. Olaf Col. 64-68; CENT. MO. STATE COL. 68- Polit. Sci. Asn. Public law; judges' understanding of natural science field—atomic energy; political parties and American constitutional law. Publ: Co-auth. Venue—transfer of case laying venue in wrong federal district court, Iowa Law Rev. spring 59. Address: Dept. of Political Science, Central Missouri State College, Warrensburg, Mo. 64093.
- YOUNG, PROF. JOHN H, b. Victoria, B.C. May 1, 22; m. 44; c. 4. ECONOMICS. M.A. Queen's (Ont), 49; Ph.D.(econ), Cambridge, 55. Instr. ECON, Yale, 53-55, asst. prof. 55-58, assoc. prof. 58-60; PROF. & HEAD DEPT. BRITISH COLUMBIA, 60- Economist, Royal Cmn. on Can. Econ. Prospects, 55-56; asst. dir. res. Royal Cmn. Banking & Finance, Can. 62-63. R.C.A.F. 40-45. Am. Econ. Asn; Can. Econ. Asn. International economics; comparative economic systems; economic theory. Publ: Canadian commercial policy; co-auth. The effects of monetary policy on corporations, Royal Cmn. Banking & Finance, Appendix Vol. 64; auth. Comparative economic development, Canada and the United States, Proc. Am. Econ. Asn. Address: Dept. of Economics, University of British Columbia, Vancouver, B.C. Can.
- YOUNG, DR. JOHN PARKE, b. Los Angeles, Calif. Oct. 24, 95. INTERNATIONAL ECONOMICS & FINANCE. A.B. Occidental Col. 17, LL.D. 67; A.M. Columbia, 19; A.M. Princeton, 20, Ph.D. 22. Instr. Princeton, 22-23; dir. U.S. Senate For. Currency & Exchange Invest. 23-25; prof. econ. & chmn. dept. Occidental Col. 26-46; adv. & chief div. int. finance, U.S. Dept. State, 43-65; vis. prof. Claremont Grad. Sch. 66-67; DISTINGUISHED LECTR. CALIF. STATE COL. FULLERTON, 67- Lectr. California, Los Angeles, 35-37. Pres. Young & Koenig, Inc. 33-42; Pan-Am. Invest. Fund, Inc. 39-42. Econ. adv. Chilean Govt. 52; del. various int. govts. & confs. / Financial adv. Govt. China, 29-30. Econ. Asn; Acad. Polit. & Soc. Sci.(pres. 38). Publ: European currency and finance, 2 vols; International economy, 4 eds; Central American monetary union, U.S. Dept. State, 65. Address: 1303 Wentworth Ave, Pasadena, Calif. 91106.
- YOUNG, DR. KATHLEEN M(ARY), b. New York, N.Y. Jan. 30, 24; m. 48; c. 2. PSYCHOLOGY. B.A. Queens Col. (N.Y.); Ph.D.(psychol), Columbia, 49. Lab. technician, Psychiat. Inst. N.Y. 46-48; psychologist, Rockland State Hosp. 49; from asst. prof. to ASSOC. PROF. PSYCHOL. sch. med, Tulane, 49-60; SCH. MED. DEPT. PSYCHIAT. PITTSBURGH, 60- Lectr. Chatham Col. 67-68. AAAS; Psychol. Asn. Brain function and behavior; selection of students for professional training. Publ: Contrib. Selective partial ablation of frontal cortex; auth. Psychological studies, In: Studies in schizophrenia; Psychological testing, In: Psychological basis of medical practice, Hoeber, 63. Address: 3811 O'Hara St, Pittsburgh, Pa. 15213.
- YOUNG, PROF. KIMBALL, Sociol, see 10th ed, Soc. & Behav. Vols.
- YOUNG, MANOOG S(OLOMON), Polit. Sci, see 10th ed, Soc. & Behav. Vols.
- YOUNG, DR. MARGUERITE L(OUISE), b. Joliet, Ill. Jan. 2, 20. PSYCHOLOGY. B.A. Wisconsin, 42, M.A. 43; Ph.D. George Washington, 59. Personnel exam, State Bur. Personnel, Wis. 43-47; res. psychologist, eng. psychol. br. Naval Res. Lab. 47-51; asst. br. head, personnel & training br. Off. Naval Res. 51-52; asst. prof. dir. psychobiol. prog. Nat. Sci. Found. 52-60; psychologist, career develop. rev. br. div. res. grants, NAT. INSTS. HEALTH, 60-63, RES. PSYCHOLOGIST, LAB. PSYCHOL. NAT. INST. MENT. HEALTH, 63- Psychol. Asn. Administration of government research programs; problem solving in adults. Publ: Problem solving performance in two age groups, J. Geront. 66. Address: Laboratory of Psychology, National Institute of Mental Health, Bethesda, Md. 20014.
- YOUNG, DR. MARTIN A(LLEN), Speech Path, Audiol, see 10th ed, Soc. & Behav. Vols.
- YOUNG, DR. M(ERWIN) CRAWFORD, b. Philadelphia, Pa. Nov. 7, 31; m. 57; c. 4. POLITICAL SCIENCE. B.A. Michigan, 53; Fulbright fel. London, 55-56; Paris, 56-57; Ph.D.(govt), Harvard, 64. Asst. prof. POLIT. SCI. WISCONSIN, 63-66, ASSOC. PROF. 66-, CHMN. AFRICAN STUDIES PROG. 64-65 & 66- Vis. prof. Makerere Univ. Col. Uganda, 65-66; Soc. Sci. Res. Coun. res. grant, 66-67. Consult. Dept. State, 63- Mem. nat. selection cmt. For. Area Fel. Prog. Africa, 66-70. U.S.A. 53-55, 1st Lt. Polit. Sci. Asn; African Studies Asn. Comparative politics; Congo politics; politics of agricultural development in Uganda; cultural pluralism and political development. Publ: Politics in the Congo, Princeton, 65; co-auth. Issues of political development, Prentice-Hall, 67. Address: Dept. of Political Science, North Hall, University of Wisconsin, Madison, Wis. 53706.
- YOUNG, DR. NORMAN, b. New York, N.Y. May 30, 25; m. 48; c. 2. PSYCHOLOGY. B.S. City Col. New York, 47; M.A. Columbia, 49, Ph.D. 57; M.Ed. Illinois, 51. Instr. psychol. Illinois, 50-52; Rutgers, 52-53; dir. advert. Anahist Co. Inc. 53-58; dir. res. Mogul Williams & Saylor Inc. 58-59; v-pres. Ted Bates & Co. Inc. 59-63; SR. V.PRES. LEVITT & SONS, INC. 63- Res. psychologist, Columbia, 52-53; instr. N.Y. Univ. 53-54, Brooklyn Col. 54; assoc. prof. Pace Col. 60-; instr. Hunter Col. 61- U.S.A. 43-45. AAAS; Psychol. Asn; N.Y. Acad. Sci. Teaching psychology; psychotherapy; application of psychological research to business problems. Publ: Evaluation of television programs through segmental analysis; Prediction of suggestibility from selected personality variables, J. Soc. Psychol. Personal references to discern movement in psychotherapy, In: Psychotherapy: Theory and research. Address: Levitt & Sons, Inc. Lake Success, N.Y. 11043.
- YOUNG, PROF. PAUL C(AMPBELL), b. Whitewright, Tex. Oct. 29, 92; m. 31; c. 3. PSYCHOLOGY. B.L. David Lipscomb Col. 15; A.B. Bowdoin Col. 18; M.A. Minnesota, 20; A.M. Harvard, 22, Ph.D.(psychol), 23. Asst. prof. psychol. & ed. Fla. State Col. Women, 23-24; prof. Acadia, 24-25; assoc. prof. psychol. La. State, 25-31, prof. 31-60; chief clin. psychologist, Big Spring State Hosp. Tex. 60-63; PROF. PSYCHOL. Texas Christian, 63-67; NORTH-EASTERN MICHIGAN, 67- Prof. Southern Methodist, 47-49. Dir. State Ment. Health, La. 44-59; br. chief, Vet. Admin. Tex. 47-49, chief clin. psychologist, hosp. 49. Dipl. Am. Bd. Exam. Prinf. Psychol. AAAS; Psychol. Asn, Orthopsychiat. Asn. Nature of suggestion and hypnosis; dangers in hypnosis; nature of psychotherapeutic process; group psychotherapy. Address: School of Education, Northern Michigan University, Marquette, Mich. 49855.
- YOUNG, DR. PAUL P(ATTERSON), b. Georgetown, Tex. Nov. 29, 98. GOVERNMENT. A.B. Southwestern (Texas), 20; A.M. Texas, 26, Ph.D. 34; Soc. Sci. Res. Coun. fel. Mexico, 32; Farmer fel. Nat. Univ. Mexico, 33; Wisconsin, 39-41. Instr. hist. Southwestern (Texas), 24-26, assoc. prof. 26-33, prof. hist. & govt. 33-36; prin. Masonic Home & Sch. 35-38; assoc. prof. GOVT. TEXAS WOMAN'S UNIV. 38-44, PROF. 45-, dir. 58-65. Acad. Polit. & Soc. Sci. Polit. Sci. Asn. Address: Dept. of Government, Texas Woman's University, Denton, Tex. 76204.
- YOUNG, PROF. PAUL THOMAS, b. Los Angeles, Calif. May 26, 92; m. 29; c. 2. PSYCHOLOGY. A.B. Occidental Col. 14; A.M. Princeton, 15; Ph.D. (psychol), Cornell, 18; D.Sc. Occidental Col. 61. Asst. PSYCHOL. Cornell, 18; instr. Minnesota, 19-21; assoc. ILLINOIS, 21-25, asst. prof. 25-28, assoc. prof. 28-34, prof. 34-60, EMER. PROF. 60- Nat. Res. Coun. fel. Berlin, 26-27. Fel. Psychol. Asn.(distinguished sci. contrib. award. 65). Motivation; affectivity; food acceptance. Publ: Motivation of behavior; Emotion in man and animal; Motivation and emotion. Address: 336 Norte Dame Rd, Claremont, Calif. 91711.
- YOUNG, DR. RALPH A(UBREY), b. Cheyenne, Wyo. June 12, 01. ECONOMICS, FINANCE. A.B. Ohio Wesleyan, 23; M.B.A. Northwestern, 25; Ph.D. Pennsylvania, 30. Instr. econ. Pennsylvania, 25-27, asst. prof. 30-34, assoc. prof. 34-40, prof. 40-46, chmn. dept. 38-46; assoc. dir. div. res. & statist. Fed. Reserve Syst. 46, dir. 49-59, adv. bd. gov. & secy. fel. open mkt. cmt. 60-66, dir. div. int. finance, 61-67, sr. adv. bd. gov. 66; CONSULT. CENT. BANKING SERV. INT. MONETARY FUND, 67- Soc. Sci. Res. Coun. fel. 30-31; prof. lectr. George Washington, 48-62; fel. center adv. studies, Wesleyan, 67. Mem. res. staff, Nat. Indust. Conf. Bd. 28-29, 32-34; finance div. bur. for. & domestic commerce, U.S. Dept. Commerce, 30; secy. explor. cmt. financial res. Nat. Bur. Econ. Res. 37-; mem. res. staff & dir. Financial Res. Prog. 38-46. Trustee, Joint Coun. Econ. Ed. 62-67. Chmn. Cmt. Res. in Finance, 46-58; mem. res. adv. bd. Cmt. Econ. develop. 44-56, assoc. mem. 56-62. Econ. Asn; fel. Statist. Asn. International financial position of the United States banking situation in the United States; the new monetary system of the United States. Publ: Co-auth. Sales finance compan-

- ies and their credit standards; collab. Federal reserve system, purposes and functions. Address: 2836 Chesapeake St, N.W. Washington, D.C. 20008.
- YOUNG, DR. RAYMOND W (ARREN)**, b. North Bergen, N.J., Apr. 19, 22. **POLITICAL SCIENCE**. A.B. Montclair State Col. 45; A.M. Rutgers, 46; Ph.D. Hopkins, 49; J.D. George Washington, 57. Consult. sub-cmt. reorgn. & home rule, U.S. House Rep. 47-48; asst. prof. Gettysburg Col. 48-50; consult. Mayor's Cmt. Mgt. Surv. New York, N.Y., 50-51; lectr. polit. dept. govt. Wash. Sq. Col. N.Y. Univ. 51-53; assoc. prof. Hood Col. 53-54; law clerk to Alfred E. Modarelli, U.S. Dist. Court, N.J., 56-57; asst. prof. law sch. George Washington, 57-58; asst. U.S. attorney, Dist. of N.J., 58-62; assoc. Shanley & Fisher, Esqs. 62-68; private practice, 68- Polit. Sci. Assn. Public and municipal administration; law. Address: 6117 Newkirk Ave, North Bergen, N.J. 07047.
- YOUNG, DR. RHODES C (HARLES)**, b. Plattsburg, Mo., June 15, 26; m. 52; c. 2. **CLINICAL PSYCHOLOGY**. A.B. Whittier Col. 48; U.S. Pub. Health Serv. fel. Minnesota, 56-59, Ph.D. (clin. psychol.) 63. Instr. clin. psychol. med. sch. Minnesota, 59-60; psychologist, Hastings State Hosp. Minn. 60-63; Nat. Inst. Ment. Health fel. clin. psychol. med. sch. Oregon, 63-64; ASST. CLIN. PROF. CLIN. PSYCHOL. & STAFF PSYCHOLOGIST, LANGLEY PORTER NEUROPSYCHIAT. INST., CALIFORNIA, SAN FRANCISCO, 64- Lectr. Univ. San Francisco, 67; San Francisco State Col. 67-68. Psychol. Assn. Psychological procedures of clinical assessment. Publ: Effects of differential instructions on the MMPI's of state hospital patients, Proc. 73rd Annual Convention, 281-282, 65 & Congruence of clinical data in two sets of schizophrenic identical twins, Proc. 75th Annual Convention, 217-218, 67, Am. Psychol. Assn; Sources of variance in the MMPI's of recurrently hospitalized psychiatric patients, Abstract, Am. Psychologist, 21: 724. Address: Langley Porter Neuropsychiatric Institute, University of California, San Francisco, Calif. 94122.
- YOUNG, DR. RICHARD DAVID**, b. Spokane, Wash., May 10, 35. **PSYCHOLOGY**. B.S. Washington (Seattle), 59, M.S. 60, Ph.D. (psychol.) 62. Instr. PSYCHOL. INDIANA, 62-64, asst. prof. 64-66, ASSOC. PROF. 66-, ASSOC. DEAN COL. ARTS & SCI. 67- U.S. Pub. Health Serv. grant, 64-67; summer vis. prof. Hawaii, 66. Consult. Nat. Sci. Found. Undergrad. Res. Training, 67- Hosp. C, U.S.N., 52-56. Psychol. Assn; Soc. Res. Child Develop. Biochemistry intervention in the developmental processes emphasizing both prenatal and postnatal factors; language development; child psychopathology. Publ: Drug administration to neonatal rats; effects on later emotionality and learning, Science, 64; Effect of neonatal catecholamine administration on later behavior, Psychopharmacologia, 66; Developmental psychopharmacology: a beginning, Psychol. Bull. 67. Address: Psychological Clinic, Indiana University, Bloomington, Ind. 47405.
- YOUNG, DR. RICHARD D (ONALD)**, b. LaCrosse, Wis., Jan. 31, 29; m. 59; c. 1. **ECONOMICS**. B.A. Minnesota, 51, M.A. 54; Ph.D. (econ.) Carnegie Inst. Tech. 65. Asst. prof. indust. admin. grad. sch. bus. Stanford, 60-65; ASSOC. PROF. ECON. RICE, 65- U.S.N. 53-57, Lt. (jg). Opera. Res. Soc. Am. Integer programming; mathematical and managerial economics. Publ: A primal (all-integer) integer programming algorithm, J. Res. Nat. Bur. Standards, 7-9/65; co-auth. Mathematical approaches to the macroeconomics and planning of old age pension systems, Papers Joint Econ. Cmt. Cong. 12/67; auth. A simplified primal (all-integer) integer programming algorithm, Opera. Res. 68. Address: Dept. of Economics, Rice University, Houston, Tex. 77001.
- YOUNG, DR. ROBERT A (LTON)**, b. Minden, Nebr., Sept. 2, 31; m. 58; c. 4. **AGRICULTURAL ECONOMICS**. B.S. California, Davis, 54, B.S. 58; Ph.D. (agr. econ.) Mich. State, 63. Res. assoc. AGR. ECON. Mich. State, 61-63; asst. prof. ARIZONA, 63-66, ASSOC. PROF. 66- Consult. bus. & govt. orgn. U.S.A. 54-56, 1st Lt. AAAS; Econ. Assn; Agr. Econ. Assn. Economics of agriculture and natural resources. Publ: Economics of the eastern beet sugar industry, Mich. Agr. Exp. Sta. Res. Bull. 65; co-auth. The economics of Arizona's water problem, Ariz. Rev. 3/67. Address: Dept. of Agricultural Economics, University of Arizona, Tucson, Ariz. 85721.
- YOUNG, PROF. ROBERT KEHOE**, b. Terre Haute, Ind., Sept. 25, 30; m. 57. **EXPERIMENTAL PSYCHOLOGY**. B.A. Miami (Ohio), 51; M.A. Northwestern, 53, Ph.D. (psychol.) 54. From asst. prof. to PROF. PSYCHOL. TEXAS, 56- U.S.A. 54-56. Psychol. Assn; Psychonomic Soc. Human rote learning. Publ: Co-auth. Introductory statistics for the behavioral sciences, Holt, 65. Address: Dept. of Psychology, University of Texas, Austin, Tex. 78712.
- YOUNG, DR. ROBERT N (ELSON)**, b. San Jose, Calif., July 1, 23; m. 46; c. 3. **GEOGRAPHY**. B.A. Washington, 47, M.A. 48; Ph.D. (geog.) Wisconsin, 54. Instr. geog. Wis. State Col. Oshkosh, 51; Indiana, 51-54; asst. prof. geog. Stanford, 54-56; assoc. planner, Santa Clara County, Calif. 57-58; asst. exec. officer, Calif. Pub. Outdoor Recreation Plan Cmt. Sacramento, 58-61; EXEC. DIR. Tri-County Regional Planning Cmn, Mich. 61-66; REGIONAL PLANNING COUN. MD. 66- Consult. Santa Clara County, Calif. 55-56. U.S.A.A.F. 42-45. Assn. Am. Geog. Inst. Planners. Physical geography; regional planning. Publ: California: the new empire state; Atlas of California; Anglo-America. Address: Regional Planning Council, 701 St. Paul St, Baltimore, Md. 21202.
- YOUNG, PROF. SADIE G (ERTRUDE)**, b. Council Bluffs, Iowa, Aug. 30, 88. **ECONOMICS**. B.S. Missouri, 23, M.A. 25; Pennsylvania. Prof. sociol. & econ. N.E. Mo. State Col. 25-26; ECON. FLA. STATE, 28-57, EMER. PROF. 57- Distinguished prof. Southern Illinois, 59-60, prof. 62-63. Econ. Assn. Address: 724 W. Pensacola, Tallahassee, Fla. 32304.
- YOUNG, PROF. STANLEY**, b. St. Louis, Mo., Jan. 2, 25; m. 52; c. 2. **BUSINESS MANAGEMENT, INDUSTRIAL RELATIONS**. B.S. Washington (St. Louis), 49; M.A. Pennsylvania, 51, Ph.D. (indust. rels.) 56. Analyst indust. rels. Wage Stabilization Bd. 50-51; instr. bus. admin. Wilkes Col. 51-58; asst. prof. MGT. St. Louis, 56-59, assoc. prof. 59-65; PROF. MASSACHUSETTS, AMHERST, 65- Ford Found. faculty fel. Cornell, 60. U.S.A. 43-46. Soc. Adv. Mgt. Soc. Personnel Admin; Indust. Rel. Res. Assn; Arbit. Assn. Organizational decision making systems and behavior; labor economics.
- Publ: Management: a systems analysis, Scott, 66; Management: a decision making approach, Dickenson, 68; Consider the clique, In: Hospital progress. Address: Dept. of Management, University of Massachusetts, Amherst, Mass. 01003.
- YOUNG, DR. WILLIAM HARVEY**, b. Corsicana, Tex., Nov. 30, 99; m. 41. **ECONOMICS**. B.B.A. Texas, 21, M.B.A. 22, B.A. 23; Ph.D. (econ.) Brookings Inst. 28. Asst. prof. econ. Ill. Col. 24-26; asst. inst. of Econ. 27-28; spec. agent, U.S. Dept. Commerce, 28-29; mem. res. staff, Brookings Inst. 29-30; economist, U.S. BUR. MINES, 30-37, nat. bituminous coal cmm, 37-39, bituminous coal div. 39-43, solids fuels admin. for war, 43-44, CHIEF BITUMINOUS COAL SECT., 44- U.S.A. 18. Econ. Assn; Statist. Assn. Coal economics. Publ: Source of coal used by electric power plants; Bituminous coal and lignite, In: Minerals yearbook, U.S. Bur. Mines, 31-68. Address: 2817 31st St. N.W., Washington, D.C. 20008.
- YOUNG, PROF. WILLIAM H (ENRY)**, b. Oct. 7, 12; m. 38; c. 3. **POLITICAL SCIENCE**. A.B. Pittsburgh, 33, A.M. 37; Ph.D. Wisconsin, 41. Instr. Pennsylv. 41-45, asst. prof. 46-47; assoc. prof. POLIT. SCI. WISCONSIN, 47-50, PROF. 50-, chmn. dept. 52-60. Consult. to govt. 51-52; Ford Found. 66-67. Dir. State Div. Dept. Res. Wis. 49-51; budgetary asst. to President, 54- Polit. Sci. Assn; Soc. Pub. Admin. Administration of development programs in underdeveloped countries; national, state and city government. Publ: Co-auth. Introduction to American government, Appleton, 55-68. Address: Dept. of Political Science, University of Wisconsin, Madison, Wis. 53706.
- YOUNG, W (ILLIAM) W (ELCH)**, Econ, see 10th ed, Soc. & Behav. Vols.
- YOUNG, DR. WILSON**, b. Blackwell, Okla., Oct. 25, 14; m. 37; c. 5. **CLINICAL PSYCHOLOGY**. B.S. Okla. State, 36; M.A. Northwestern, 45, Ph.D. (clin. psychol.) 52. Asst. chief clin. psychol. serv. Vet. Admin. Hosp. Downey, Ill. 52-57; CONSULT. CLIN. PSYCHOL. 54- Dipl. Am. Bd. Exam. Prfnl. Psychol. 56- Psychol. Assn. Psychotherapy; behavior problems of children; projective techniques. Address: 1139 Ridge Ave, Evanston, Ill. 60202.
- YOUNGDAHL, DR. C (ARL) RICHARD**, b. Minneapolis, Minn., Aug. 12, 15; m. 46; c. 4. **ECONOMICS**. B.A. Augustana Col. 37; fel. Fletcher Sch. Law & Diplomacy, 37-38, M.A. 38; Ph.D. (econ.) Minnesota, 49. Economist, Fed. Reserve Bd. 43-52, asst. dir. res. 52-54; PRES. AUBREY G. LANSTON & CO. INC., 55- Dir. James Talcott Inc. 62- Mem. govt. securities cmt. Investment Bankers Assn. 63-; President's Task Force Nursing Homes, 66- Econ. Assn; Finance Assn; Conf. Bus. Econ. Money and banking; fiscal policy; capital market. Publ: Structure of interest rates on bank loans; Monetary policy in recent years, Am. Econ. Rev; New statistics of interest rates on business loans, Fed. Reserve Bull. Address: 115 Slope Dr, Short Hills, N.J. 07078.
- YOUNGER, DEAN EDWARD**, Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- YOUNGGREN, PROF. DUANE L**, b. Hallock, Minn., Dec. 2, 33; m. 56; c. 2. **GEOGRAPHY**. B.Phil. North Dakota, 60, M.A. 61; Univ. N.Dak. fel. Nebraska, 67-68. Instr. GEOG. NORTH DAKOTA, 61-66, ASST. PROF. & CHMN. DEPT. 66-, DIR. WEATHER BUR. 66- Dir. Off. Water Resources Evapotranspiration res. grants, 66-68. U.S.A. 56-58. Assn. Am. Geog. Assn. Geog. Soc. Agricultural economic geography; applied climatology; cartography. Address: Dept. of Geography, University of North Dakota, Grand Forks, N.Dak. 58201.
- YOUNISS, DR. RICHARD P (AUL)**, b. Fond Du Lac, Wis., Jan. 15, 29. **PSYCHOLOGY**. A.B. Catholic Univ. 50, M.A. 53, Ph.D. 58. Clin. psychologist, U.S. Naval Med. Res. Lab. Conn. 55-58; Wis. Sch. Boys, 58-59; ASST. PROF. & CLIN. PSYCHOLOGIST, CHILD CENTER, CATHOLIC UNIV. 59-, DIR. CLIN. TRAINING, UNIV. 68- U.S.N. 55-58. Personality disorders; group conformity; personality and its deviations. Publ: Conformity to group judgments, Personal inventory barometer; Prediction of adjustment to the Antarctic. Address: Dept. of Psychology, Catholic University, Washington, D.C. 20017.
- YOUNKMAN, HAROLD E (MERSON)**, b. Beaverdam, Ohio, Mar. 10, 04; m. 33; c. 2. **PSYCHOLOGY**. A.B. Ohio Northern, 28; M.A. Ohio State, 38. Ed. & voc. counsr. Ohio State, 46-49; ed. consult. Juvenile Diag. Center, 50-56; guid. secy. Columbus Urban League, 56-58; supvr. pupil personnel, Madison County Schs. 58-64. Dir. guid. & testing, Ashland County Schs. Ohio, 58-59; consult. pub. schs. Cent. Ohio, 61-64; private practice, 61-64; psychologist, Orient State Inst. 63-65. Psychol. Assn; Acad. Polit. & Soc. Sci; Soc. Psychol. Study Soc. Issues. Causes for lack of development and application of social and behavioral sciences as compared to physical and life sciences. Publ: Making more effective use of teachers observations in guidance; Education and the economic order, Ed. Admin. & Supv; Ability and income, Labor and Nation. Address: 50 Birch St, Mill Valley, Calif. 94941.
- YOURGLICH, PROF. ANITA**, b. Sacramento, Calif., Jan. 9, 23. **SOCIOLOGY**. B.A. Seattle, 45; M.A. St. Louis, 48, fel. 47-48; Ph.D. Oregon, 61. From asst. prof. to ASSOC. PROF. SOCIOL. SEATTLE, 48-, CHMN. DEPT., 66- Sociol. Assn; Nat. Coun. Family Rels. Sociological theory; social psychology; family relations. Publ: Sociological theory of socialization, Pageant, 67; Sibling systems scales, Family Life Coordinator, 66; Value homophily study, Sociol. Anal. 66. Address: 1008 E. Lynn, Seattle, Wash. 98102.
- YOURMAN, DR. JULIUS**, b. New York, N.Y., Mar. 27, 05; m. 50. **PSYCHOLOGY, SOCIOLOGY**. B.S. N.Y. Univ. 28, M.A. 30, Ph.D. (sociol. psychol.) 32. Exec. secy. student affairs, sch. ed. N.Y. Univ. 32-39, instr. & asst. prof. ed. sociol. 39-43; dir. res. & training, N.Y. State Div. Vet. Affairs, 46-48; gen. mgr. United Chem. & Exterminating Co. N.J. 48; asst. dir. sch. gen. studies & asst. prof. sociol. Brooklyn Col. 48-50; dean, Pace Col. 50-54; SPEC. LECTR. INDUST. PSYCHOL. & SOC. PSYCHOL. RES. BROOKLYN COL. 54-; BUS. & INDUST. CONSULT. PERSONNEL RES. & DEVELOP. 50- Consult. Yonkers Prog. Community Coord. N.Y. 40-43; San Francisco Youth Planning Proj. Calif. 45; res. consult. U.S. Pub. Health Serv. proj. develop. sci. personnel systs. & methods, St. Vincent's Hosp. New York, 58-

- 60; personnel res. & develop. projs, in various New York hosps, 60-; United Hosp. Fund Greater New York studies, 66 & 68. Managing ed, J. Ed. Sociol, 40-43; ed, *Suprvy. Mgt. Newsletter*, Am. Mgt. Assn, 58- V-pres. & dir, Boys Neighborhood Repub. of New York City, 40-; chmn. Nat. Self Govt. Cmt, Inc, 53- U.S.A.A.F, 43-55, Capt. Fel. Sociol. Assn; Psychol. Assn; Soc. Training & Develop. Higher education improvement of instruction; youth-community adjustments; personnel research and development, especially morale, turnover, leadership styles and communication patterns and blocks; supervisory and management development in business and hospitals. Address: 160 Columbia Heights, Brooklyn, N.Y. 11201.
- YOUSSEF, DR. ZAKHOUR ISSA**, b. Syria, Nov. 22, 37; c. 1. **PSYCHOLOGY**. B.A. Wayne State, 61, M.A. 63, Ph.D.(exp. & clin. psychol), 64. Adj. asst. prof. **PSYCHOL**, Hartford, 64-65; ASST. PROF. EASTERN MICHIGAN, 65-, acting head dept, summer 67. Fel. Norwich Hosp, Conn, 64-65. Psychol. Assn. Verbal learning. Publ: The semantic differential as a measure of individual difference in mediated generalization, *J. Verbal Learning & Verbal Behav*, 64; Association and integration in serial learning, *Am. J. Psychol*, 67; associative and perceptual dominance in compounding stimuli, *J. Psychonomic Sci*, 68. Address: Dept. of Psychology, Eastern Michigan University, Ypsilanti, Mich. 48197.
- YOUTSLER, PROF. JAMES SAXON**, b. Coal City, Ill, Dec. 11, 07. **ECONOMICS**. A.B. Parsons Col, 30; A.M. Iowa, 40, Ph.D. 42. Asst. prof. **ECON**, SKIDMORE COL, 42-46, assoc. prof, 46-55, PROF, 55-. Econ. Assn. Labor and industrial relations; finance; government and business. Publ: Labor's wage policies in the twentieth century; Collective bargaining accomplishments in the paper industry, *South. Econ. J*; Trade unions in the Middle East: some observations, *Politeia*, 4/65. Address: Dept. of Economics, Skidmore College, Saratoga Springs, N.Y. 12866.
- YOUTZ, PROF. RICHARD P(ARDEE)**, b. Henry, S.Dak, Jan. 14, 10; m. 33; c. 3. **PSYCHOLOGY**. A.B. Carleton Col, 33; Ph.D.(psychol), Yale, 37. Asst. **PSYCHOL**, Yale, 35-37; Harvard, 37; instr. Barnard Col, Columbia, 37-39; asst. prof. Oberlin Col, 39-40; BARNARD COL, COLUMBIA, 40-42, 46-47, assoc. prof, 47-50, PROF, 50-. CHMN. DEPT, 46-. Consult, Am. Inst. Res, 46-. U.S.A.A.F, 42-46, Capt. AAAS; fel. Psychol. Assn; Psychonomic Soc. Operations research; concept formation and problem solution; reward and programmed learning; cutaneous sensitivity to color; relating experimental procedure to justifiable inferences. Publ: Reinforcement, extinction and spontaneous recovery in a non-Pavlovian reaction, *J. Exp. Psychol*; Dermo-optical perception, *Science*, 5/66. Address: Dept. of Psychology, Barnard College, Columbia University, 606 W. 120th St, New York, N.Y. 10027.
- YUAN, PROF. C(HENG)**, European Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- YUAN, PROF. SHAO CHI**, b. Chekiang Prov, China, Nov. 17, 12; nat; m. 54; c. 1. **PUBLIC ADMINISTRATION, INTERNATIONAL RELATIONS**. A.B. Fu Jen Univ, China, 35; M.A. Harvard, 39, Ph.D. 41. Exec. secy, Ministry Econ. Affairs, Nat. Govt, China, 42-45; spec. asst. to chief Chinese Mission in Japan, 47-49; assoc. prof. polit. sci, Pepperdine Col, 57-58; vis. asst. prof. pub. admin, Southern California, 58-60; asst. prof. polit. sci, Kansas State, 60-61, assoc. prof, 61-64; govt, Lamar State Col, 64-66; PROF. **POLIT. SCI**, LOCK HAVEN STATE COL, 66-. Dir. proj. action toward improv. munic. govt. of Lock Haven, U.S. Govt. res. grant. Polit. adv. Chinese del, Allied Coun, Japan, 47-49. Polit. Sci. Assn; Soc. Pub. Admin; Asn. Asian Studies; Hist. Assn. Political theory. Publ: Personnel management in municipal police administration: with special reference to Boston, Chicago, Detroit, and Cincinnati; co-auth. Discourse on Chinese history; auth. Some reflection on the political philosophy of Shang Yang, *Chinese Culture*, 68. Address: Dept. of Political Science, Lock Haven State College, Lock Haven, Pa. 17745.
- YUDELMAN, DR. MONTAGUE**, b. Johannesburg, S.Africa, Nov. 8, 22; nat; m. 48; c. 3. **AGRICULTURAL ECONOMICS**. B.Sc. California, 49, M.Sc. 50, Ph.D. 52. Tech. asst. officer agr. econ, Food & Agr. Orgn, UN, 52-56; asst. dir. for soc. sci, Rockefeller Found, 56-59, fel. 59-60; consult, Int. Bank for Reconstruct. & Develop, 60-61; instr. & res. assoc. econ. center for int. affairs, Harvard, 61-63; consult. econ. planning, Stanford Res. Inst, 61-63; PROF. **ECON. DEVELOP**, MICHIGAN, 63-, assoc. dir. econ. res, Center Res. Econ. Develop, 64. Ford Found. fel. 55. Consult, Inter-Am. Develop. Bank, 67-. Union S.Africa Air Force, 40-45, Capt. Econ. Assn; Agr. Econ. Assn. Problems of economics of agricultural development in Africa and Latin America. Publ: Africans on the land, Harvard, 64; Agricultural development in Latin America: current status, Inter-Am. Bank, Wash, D.C, 66; Desarrollo agricola America Latina, CEMLA Mexico, 67. Address: Center for Research on Economic Development, 309 S. State St, Ann Arbor, Mich. 48104.
- YUDIN, DR. SIDNEY**, b. New York, N.Y., July 7, 20; m. 50. **PSYCHOLOGY**. B.A. Brooklyn Col, 47; M.A. N.Y. Univ, 48, fel. 53-54, Ph.D.(psychol), 57. Asst. psychol, N.Y. Univ, 48-49; intern clin. psychol, Bellevue Psychiat. Hosp, 49-50; clin. psychologist, Univ. Michigan Hosp, 50-52; lectr. ed, N.Y. Univ, 57-61, adj. asst. prof. psychol, 61-65, ASST. CLIN. PROF. CLIN. **PSYCHOL**, SCH. MED, 65-. Clin. psychologist, Bellevue Psychiat. Hosp, 52-66, chief psychologist, 66-; lectr. New York Dept. Hosps, 57-. U.S.A. 42-46, Sgt. Psychol. Assn; Int. Soc. Gen. Semantics. Psychology of education; statistical methodology; personality theory and psychotherapy. Address: 5235 Post Rd, Bronx, N.Y. 10471.
- YUFIT, DR. ROBERT ISAAC**, b. Chicago, Ill, Aug. 26, 30; m. 57; c. 3. **CLINICAL PSYCHOLOGY**. B.S. Ill. Inst. Tech, 51, M.S. 52; U.S. fel. Illinois, 55-56; Ph.D. Chicago, 56. From psychologist to chief psychologist, inst. psychol. servs, Ill. Inst. Tech, 51-52, 52-53; asst. psychol, Chicago, 54-56; U.S. fel. Michael Reese Hosp, Univ. Illinois, 57-58; staff clin. psychologist, 58-60; from staff clin. psychologist to ASST. CHIEF DEPT. **PSYCHOL**, STATE PSYCHIAT. INST, 60-. Asst. prof. med. sch, Illinois, 58-. Consult, Katherine Wright Clin, 64-; Stone-Brandel Found. Psychol. Assn. Human relations, development of techniques for personality assessment; occupational choice as related to personality; personality development;
- nostalgia and healthy personality; psychotherapy; conformity behavior; assessment of suicide potential. Publ: Intimacy and isolation: some descriptive and dynamic correlates, *Human Develop*, Bull; co-auth. Comparison of two techniques for personality assessment, *J. Proj. Tech*, 63. Address: Illinois State Psychiatric Institute, 1601 W. Taylor St, Chicago, Ill. 60612.
- YUILLE, DR. JOHN CHARLES**, b. Montreal, Que, Dec. 1, 41; m. 64. **PSYCHOLOGY**. B.A. Western Ontario, 64, M.A. 65, Ph.D.(psychol), 67. Nat. Res. Coun. fel. **PSYCHOL**, McGill, 67-68; ASST. PROF. **BRITISH COLUMBIA**, 68-. Am. Psychol. Assn; Can. Psychol. Assn. Verbal learning; social cognition. Publ: Co-auth. Stimulus and response abstractness, imagery and meaningfulness and reported mediators in paired-associate learning, *Can. J. Psychol*, 66; Word abstractness and meaningfulness and paired-associate learning in children, *J. Exp. Child Psychol*, 66 & Latency of imaginal and verbal mediators as a function of stimulus and response concreteness-imagery, *J. Exp. Psychol*, 67. Address: Dept. of Psychology, University of British Columbia, Vancouver, B.C., Can.
- YUKER, DR. HAROLD E(LWOOD)**, b. Newark, N.J., Apr. 15, 24. **PSYCHOLOGY**. B.A. Newark, 44; Friends of New Sch. fel. New Sch. Soc. Res, 47, M.A. 50; Ph.D. (psychol), N.Y. Univ, 54. Asst. bur. appl. soc. res, Columbia, 47-48; instr. psychol, HOFSTRA, 48-54, asst. prof, 54-58, assoc. prof, 58-64, prof, 64-67, DIR. CENTER STUDY HIGHER ED, 67-, dir. instructional res, 65-67. Vis. prof. New Sch. Soc. Res, 55-56; Adelphi, 64-65. Summer, Nat. Sci. Found. fel, 59. Res. dir. Human Resources Found, 56-61, res. consult, 61-AAAS; Psychol. Assn. History of psychology; attitude and public opinion research group processes. Publ: Guide to statistical calculations, Putnam, 58; co-auth. Correlates of an intellectual orientation among college students, 65 & Development and effects of an inexpensive elevator for eliminating architectural barriers in public buildings, 66, Hofstra Univ. Address: 50 Lincoln Blvd, Hempstead, N.Y. 11550.
- YUTZEY, DR. DAVID A(LAN)**, b. Moundsville, W.Va, July 31, 38; m. 61; c. 2. **PSYCHOLOGY**. B.A. Ohio Wesleyan, 60; Nat. Inst. Ment. Health fel, Ohio State, 61-65, M.A. 63, Ph.D.(exp. physiol. psychol), 65. Res. asst. aviation psychol, Res. Found, Ohio State, 60-61; Nat. Sci. Found. fel, 65-66; ASST. PROF. **PSYCHOL**, Ohio Wesleyan, 66-68; CONNECTICUT, 68-. AAAS; Anatomical, electrophysiological and behavioral investigation of limbic, neocortical and thalamic mechanisms. Publ: Co-auth. Emotionality changes following septal and neocortical ablations in rats, 64 & Effects of neocortical ablations on relearning of a black-white discrimination habit by two strains of rats, 66, *J. Comp. & Physiol. Psychol*; co-auth. Effects of simultaneous septa-visual, septal-anterior and anterior-posterior lesions upon relearning a black-white discrimination, *Brain Res*, 68. Address: Dept. of Psychology, University of Connecticut, Storrs, Conn. 06268.
- YUTZY, DR. DANIEL**, b. Plain City, Ohio, Oct. 23, 28; m. 57; c. 4. **SOCIOLOGY**. B.A. East Mennonite Col, 59; M.A. Ohio State, 61, Nat. Inst. Ment. Health fel, 63, Ph.D.(sociol), 65. Res. assoc. disaster res, Ohio State, 63-66; ASST. PROF. **SOCIOLOGY**, STATE UNIV. N.Y. BUFFALO, 66-. U.S.A. 46-50. Sociol. Assn; Soc. Sci. Study Relig. The reciprocal influence of personal and institutional factors in an organizational setting and collective responses to natural disasters; sociology of religion—the process of enculturation among the Old Order Amish. Publ: A bad Good Friday, Ohio State Univ, (in press); co-auth. The similarity of connected observations, *Am. Sociol. Rev*, 12/63 & Students and faculty members: convergence and divergence of perception in a professional school, *Sociol. & Soc. Res*, 10/64. Address: Dept. of Sociology, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- YUZUK, DR. RONALD P(AUL)**, b. New York, N.Y., May 7, 32. **PSYCHOLOGY**. B.A. Gettysburg Col, 54; M.A. Temple, 56; Ph.D. Ohio State, 59. Lectr. indust. psychol, Purdue, 60; res. scientist, Am. Inst. Res, 61-64; BUS. & INDUST. CONSULT, 64-. Psychologist, Adj. Gen. C. U.S.A. 59-61. Psychol. Assn. Applied research and consultation, specializing in the study and management of job performance. Publ: Assessment of employee morale, Ohio State Bur. Bus. Res, 61; Performance is a comfortable cockroach, Westinghouse Elec. Corp, 68. Address: 1851 Brett St, Pittsburgh, Pa. 15205.

Z

- ZABEL, DR. EDWARD**, b. Orange, N.J., Oct. 17, 27; m. 56; c. 3. **ECONOMICS**. A.B. Syracuse, 50; Sanxay fel, Princeton, 53; M.A. 53, proctor fel, 53-54, Ph.D.(econ), 56. Asst. econ. res. proj, Princeton, 53-56; logistics economist, Rand Corp, 56-58; asst. prof. **ECON**, ROCHESTER, 58-62, assoc. prof, 62-67, PROF, 67-. Ford Found. faculty res. fel, 64-65; Nat. Sci. Found. grants, 64-69. U.S.A. 45-47, Sgt. Econ. Assn; Economet. Soc; Inst. Mgt. Sci. Applications of mathematical techniques to problems involving dynamic optimization under uncertainty in economic theory. Publ: A multi-sectoral study of economic growth, *Economica*, 8/62, Efficient accumulation of capital for the firm, 1-4/63, *Econometrica*; A dynamic model of the competitive firm, *Int. Econ. Rev*, 6/67. Address: Dept. of Economics, University of Rochester, Rochester, N.Y. 14627.
- ZABIH, DR. SEPEHR**, b. Tehran, Iran, Dec. 5, 25; U.S. citizen; m. 59; c. 2. **GOVERNMENT, INTERNATIONAL POLITICS**. A.B. California, Berkeley, 57, M.A. 58, Ford Found. fel, 61-63, Ph.D.(polit. sci), 63. Cor. *The Times*, London, 51-53; asst. prof. polit. sci, ST. MARY'S COL. (CALIF), 63-64, GOVT, 64-67, ASSOC. PROF, 68-. Vis. lectr. Univ. Colorado, 63; asst. prof. Oberlin Col, 64-65; res. fel. California, Berkeley, 64-; guest scholar, Brookings Inst, 69. Polit. Sci. Assn. Comparative analysis of radical ideologies and organizations in the Middle East; international and intraregional relations in the developing nations; comparative analysis of subordinate state systems. Publ: The communist movement in Iran, Univ. California, 66; The unpredictable country, *Times House J*, 1/54; Communism in Iran, *Probs. Communism*, 9/65. Address: Dept. of Government, St. Mary's College of California, St. Mary's College, Calif. 94575.
- ZABORSKI, PROF. BOGDAN**, b. Warsaw, Poland, Apr. 5, 01; nat. Can; m. 28; c. 2. **GEOGRAPHY**. Ph.D. Warsaw, 25; Dozent, Cracow, 30. Mem. staff, dept. geog, Warsaw, 24-27, prof. geog, 38-39, acting prof, Cracow, 30-33,

- Polish Free Univ, 34-37; head geog. sect. & cartog. printing off, exiled Polish govt, Eng, 42-45, head sect. Polish univ. students, Cmt. Ed. Poles in Great Brit. & prof. geog, Polish Univ. Col, Eng, 46-48; assoc. prof, McGill, 48-57; prof. geog. & head inst. geogr, Ottawa (Ont), 57-66; PROF. GEOG, SIR GEORGE WILLIAMS, 66- Geogr, planning off, Union Polish Mt. Lands, 34-39; cartographer & head cartog. off, Polish Inst. Study Nat. Probe, 34-39. Geography of the Soviet Union; urban and rural settlements in Canada; cultural pattern of population of Eurasia. Publ: Types of villages in Poland and adjacent countries; Human geographical atlas of Poland; co-auth, Human geography. Address: Dept. of Geography, Sir George Williams University, Montreal, Que, Can.
- ZACCARIA, DR. MICHAEL A(NGELO), b. Waterbury, Conn, Apr. 24, 19; m. 49; c. 3. PSYCHOLOGY. B.S. Trinity Col.(Conn), 43; M.S. Texas, 46, Ph.D.(psychol), 49. Instr. psychol, Trinity Col.(Conn), 48-49, asst. prof, Houston, 49-50; res. psychologist, personnel & training res. center, U.S. Dept. Air Force, 50-54, chief training equip. br, training anal. & develop. div. Officer Mil. Sch. 54-55, dir, 55-58; CHIEF TRAINING EVAL, LACKLAND AIR FORCE BASE, 58- Asst. prof, Trinity (Tex), 50-54; Instr, Our Lady of the Lake Col, 55-; dir, Tranex Found, 63- U.S.A.A.F, 42-46. Psychol. Asn. Personality and interest measurement; training research; color vision. Publ: Co-auth, Simple procedure for developing equivalent forms of questionnaires, Psychol. Rep, Evaluation of Color-Naming Test, J. Appl. Psychol. & Illum-Stable Color Vision Test, J. Optical Soc. Am. Address: 303 Quill Dr. E. San Antonio, Tex. 78228.
- ZACHER, DR. MARK W, b. Boston, Mass, Mar. 4, 38; m. 62; c. 1. POLITICAL SCIENCE. B.A. Yale, 61; M.A. Columbia, 63, Ph.D.(polit. sci), 66. ASST. PROF. POLIT. SCI, BRITISH COLUMBIA, 65- Polit. Sci. Asn. International organization and relations; political integration. Publ: The secretary-general and the United Nations' function of peaceful settlement, Int. Orgn, fall 66. Address: Dept. of Political Science, University of British Columbia, Vancouver 8, B.C., Can.
- ZACHER, PROF. ROBERT V(INCENT), b. Chicago, Ill, Nov. 2, 17; m. 42. BUSINESS ADMINISTRATION. B.S. Alabama, 39, M.S. 40. Asst. prof. bus. admin, ARIZONA STATE, 46-51, assoc. prof. ADVERT, 52-61, PROF, 62- Assoc. prof, Southern California, 51-52. Mkt. Asn; Acad. Advert.(pres, 63-64). Mass communication; advertising. Publ: Advertising techniques and management. Address: 631 E. Concorda Dr, Tempe, Ariz. 85281.
- ZACHERT, DR. VIRGINIA, b. Jacksonville, Ala, Mar. 1, 20. PSYCHOLOGY. B.A. Ga. State Woman's Col, 40; M.A. Emory, 47; Ph.D.(indust. psychol), Purdue, 49. Res. psychologist, U.S. Dept. Air Force, Lackland Air Force Base, 49-52, Maxwell Air Force Base, 53-55; prin. res. psychologist, Ala. Polytech, 55-58; v.pres, Sturm-O'Brien, Inc, Auburn, Ala, 58-59; res. dir, West. Design & Electronics Teaching Mach. Proj, Keesler Air Force Base, Miss, 60-61; res. consult, 61-63; ASSOC. PROF. MED. ED, MED. COL. GA, 63-, U.S. OFF. ED. RES. GRANT, 64-, res. grant, 63-66. Vis. prof, Georgia, 63-, res. grants, 66- Consult. psychologist, Norman Park, Ga, 52-; U.S. Air Force Air Training Command, 65-; sch.nursing, Indiana, 66-; sch. nursing, Florida, 66- U.S.N, 44-46; U.S.A.F, 51-52, Capt. AAAS; fel. Psychol. Asn; Statist. Asn; Psychomet Soc; Asn. Med. Cols. Selection and classification use of marginal manpower; teaching machines. Publ: Co-auth, Essentials of gynecologic oncology, 67 & Applications of gynecologic oncology, 67, C.C. Thomas; co-auth, Evaluation of a subject-matter oriented programmed text in six medical schools, J. Med. Ed, 67. Address: Dept. of Obstetrics, Medical College of Georgia, Augusta, Ga. 30902.
- ZACK, DR. EARL R(OBERT), Indust. & Clin. Psychol, see 10th ed. Soc. & Behav. Vols.
- ZADROZNY, PROF. JOHN THOMAS, Sociol, see 10th ed. Soc. & Behav. Vols.
- ZADROZNY, DR. MITCHELL G, b. Chicago, Ill, Dec. 23, 23. GEOGRAPHY. B.S. Ill. State Norm. Univ, 47; S.M. Chicago, 49, Ph.D.(geog), 56. Geogr. analyst, U.S. Dept. Army, 50-52; lectr. GEOG, Chicago, 52-55; instr, WRIGHT JR. COL, 55-68, ASSOC. PROF, 68- Res. dir, Cambodia-Laos Proj, Human Rel. Area Files, Inc, 54-55; summers, res. assoc, Miss. Valley Invests, 56-62; vis. prof, N.Y. Univ, 58-; Chicago City TV Col, 61-62. U.S.A.A.F, 42-45, 2nd Lt. Asn. Am. Geog. Soc. Indo-Chinese Studies. Land and water utilization; geography of southeast Asia; economic geography; world regional geography. Publ: Water utilization in the Middle Mississippi Valley; ed. & contrib, Cambodia handbook; World regional geography, TV guide, Chicago Bd. Ed, 62. Address: 4158 N. McVicker Ave, Chicago, Ill. 60634.
- ZAGONA, PROF. SALVATORE VINCENT, b. Brooklyn, N.Y, July 27, 20; m. 48; c. 6. SOCIAL PSYCHOLOGY. B.A. Arizona, 52, M.A. 54, Ph.D. 59. Instr. PSYCHOL, ARIZONA, 59-61, asst. prof, 61-65, ASSOC. PROF, 65-, DIR. CENTER RES. SMOKING & HEALTH, 64- U.S.N, 42-45. Psychol. Asn; Psychonomic Soc; Soc. Psychol. Study Social Issues. Behavioral aspects of smoking; attitude formation and change; personality theory and group action. Publ: Ed, Studies and issues in smoking behavior, Univ. Arizona, 67; co-auth, Relationship of verbal ability and other cognitive variables to the open-closed cognitive dimension, J. Psychol, 65; Ego strength and related personality variables as mediating factors between scholastic aptitude and scholastic achievement, J. Ed. Res, 9/67. Address: Dept. of Psychology, University of Arizona, Tucson, Ariz. 85721.
- ZAGORIA, DR. DONALD S, b. Somerville, N.J, Aug. 24, 28; m. 62. POLITICAL SCIENCE. B.A. Rutgers, 48; M.A. Columbia, 50, Ph.D.(polit. sci), 63. Analyst communist bloc affairs, U.S. Govt, 51-61; mem. soc. sci. div, Rand Corp, 61-63; ASSOC. PROF. GOVT. & DIR. RES. INST. MODERN ASIA, HUNTER COL, 63- Adj. prof, Columbia, 63-; Rockefeller Found. res. grant, South & Southeast Asia, 63-64; Soc. Sci. Res. Coun. & Sch. Int. Affairs, Columbia res. grant, India, 65; Guggenheim Found. res. grant, India, 67-68; guest lectr, Army War Col. & Nat. War Col. Consult. Inst. Defense Anal, D.C. Mem, UN Asn. Panel on U.S. Policy toward Communist China, 66; testified at U.S. Senate For. Res. Cmt. hearings on U.S. policy toward China, 66. Publ: The Sino-Soviet conflict, 1956-61, Princeton, 62 &
- Atheneum, 64; Vietnam triangle, Moscow, Peking, Hanoi and the war in Vietnam, Pegasus, 68. Address: Research Institute on Modern Asia, Hunter College, 790 Madison Ave, New York, N.Y. 10021.
- ZAGORSKI, DR. HENRY J(OSEPH), b. McKees Rocks, Pa, Dec. 12, 21; m. 46; c. 3. PSYCHOLOGY. B.S. Pittsburgh, 48, M.S. 49, Ph.D.(psychol), 51. Statistician, Adj. Gen. Off, U.S. Dept. Army, 51-52; asst. to dir. personnel res, Chesapeake & Ohio Rwy, 52-54, comput. officer, syst. traffic statist, 54-56; hwy. res. scientist, Am. Inst. Res, 56-57; SOC. SCIENTIST, OPERS. RES. SYST. DEVELOP. CORP, 57- U.S.A, 42-45. Psychol. Asn; Psychomet. Soc; Research Soc; Nat. Coun. Measurement Ed. Statistics; system research; electronic computers; systemetrics; multiple regression and prediction; highway, vision and personnel research; factor analysis; performance assessment. Publ: Psychometric evaluation of orth-rater and wall-chart tests, Am. J. Ophthal; Science of complex judgement, Am. Psychol; Measurement of driver reactions to tunnel conditions, Hwy. Res. Bd. Proc. Address: 723 W. Pine Ave, El Segundo, Calif. 90245.
- ZAHA, PROF. GORDON C(HARLES), b. Milwaukee, Wis, Aug. 7, 18. SOCIOLOGY. B.A. Col. of St. Thomas, 49; M.A. Catholic Univ, 50, Knights of Columbus fel, 50-52, Ph.D.(sociol), 53. From asst. prof. to assoc. prof. SOCIOL, Loyola (Ill), 53-67; PROF, MASSACHUSETTS, BOSTON, 67- Soc. Sci. Res. Coun. fel, 52-53; Fulbright res. fel, Germany, 56-57; Am. Philos. Soc. res. grant, 61; Simon sr. res. fel, Manchester, 64-66. Consult, Anti-defamation League B'nai B'rith, 55- Mem. Cath. Cmn. Cultural & Intellectual Affairs, 66- Fel. Sociol. Asn; Soc. Study Social Probs. Social control; intergroup tensions; military chaplaincy as role-in-tension. Publ: In solitary witness, Holt, 64; War, conscience and dissent, Hawthorn, 67; German Catholics and Hitler's wars: a study in social control. Address: 780 Boylston, 26-D, Boston, Mass. 02199.
- ZAHN, DR. THEODORE P(AUL), b. Los Angeles, Calif, Mar. 8, 27; m. 55; c. 4. PSYCHOLOGY. B.A. California, 50; fel, Duke, 52-53, Ph.D.(psychol), 56; M.S. Oregon, 53. Vis. asst. prof. psychol, Duke, 56-57; RES. PSYCHOLOGIST, LAB. PSYCHOL, NAT. INST. MENT. HEALTH, 57- U.S.A, 45-47. Am. Psychol. Asn; Soc. Psychophysiol. Res. Perception and attention in schizophrenia; psychophysiology and reaction time, especially in schizophrenia; orienting and conditioning. Publ: Autonomic reactivity and behavior in schizophrenia, In: Psychiatric research report 19, Am. Psychiat. Asn, 12/64; co-auth, Simple reaction time as function of the relative frequency of the preparatory interval, J. Exp. Psychol, 72: 15-19 & Electrodermal and heart rate orienting reactions in chronic schizophrenia, J. Psychiat. Res, (in press). Address: Laboratory of Psychology, National Institute of Mental Health, Bethesda, Md. 20014.
- ZAJDI, DR. BAQAR, b. Gujranwala, Pakistan, Dec. 9, 25; U.S. citizen; m. 49. ECONOMICS, ACCOUNTING. Panjab, India, 45; Gonzaga & East. Wash. Col. Ed, 47-48; B.A. Washington (Seattle), 50, M.B.A. 58, D.B.A.(policy admin), 67; London Sch. Econ, 61-62. Acct. & part time teacher, Washington (Seattle), 56-61; teacher, pub. schs, Wash, 63-64; econ. acct. & statist, Shoreline Community Col, 54-66; ASSOC. PROF. ECON, WEST. WASH. STATE COL, 67- Acct. Asn; Econ. Asn. Resource development for underdeveloped countries, especially India and Pakistan. Address: Dept. of Economics, Western Washington State College, Bellingham, Wash. 98225.
- ZAJONC, PROF. ROBERT B(OLESLAW), b. Lodz, Poland, Nov. 23, 23; nat; m. 54; c. 2. PSYCHOLOGY. Ph.D.(psychol), Michigan, 55. Res. assoc. PSYCHOL, RES. CENTER GROUP DYNAMICS, MICHIGAN, 54-55, asst. prog. dir, 56-60, PROG. DIR, 60-, PROF, UNIV, 65-, asst. prof, 57-61, assoc. prof, 61-65. Fulbright fel, Amsterdam, 62-63. Fel. Psychol. Asn. Cognitive processes; perception; perceptual learning; performance of individuals as members of groups; performance of groups. Publ: Social psychology: an experimental approach, Wadsworth, 68. Address: Dept. of Psychology, University of Michigan, Ann Arbor, Mich. 48104.
- ZAKRZEWSKA, DR. BARBARA, Geog, Geol, see 11th ed. Phys. & Biol. Vols.
- ZAKRZEWSKI, DR. GUSTAVO, Soc. Econ, see 10th ed. Soc. & Behav. Vols.
- ZAKS, DR. MISHA S, b. Riga, Latvia, July 2, 20; m. 46. CLINICAL PSYCHOLOGY. M.A. Roosevelt, 54; Ph.D.(psychol), Ill. Inst. Tech, 59. Welfare & soc. serv. officer, UNRRA, 45-48; asst. inst. psychiatrist. & psychosom. res. & training, Michael Reese Hosp, 52-53; fel. & asst. clin. psychol, dept. neurol. & psychiat, MED. SCH, NORTHWESTERN, 54-56, instr, 56-60, assoc. 60-62, clin. psychologist & coordinator interdept. res. at ty, dept. med, 59-63, asst. prof, DEPT. NEUROL. & PSYCHIAT, 62-65, ASSOC. PROF, 65-, ASSOC. STAFF CLIN. PSYCHOLOGIST, CHICAGO WESLEY MEM. HOSP, 62-, res. psychologist, 54-56. Lectr, Col. Jewish Studies, 56-57; instr, residency training prog, State Psychopath. Inst, Ill, 57-58; asst. dir. psychol. & res, psychiat. inst, Munic. Court of Chicago, 58-; asst. prof, Illinois, 63-; prof. lect, grad. div, Ill. Inst. Tech, 63-; res. dir. drug abuse progs, Dept. Ment. Health, Ill, 68-; dir, Dept. Health, Ed. & Welfare Voc. Rehab. Admin. study long term rehab. cardiac patients, med. sch, Northwestern. Consult, Chicago State Hosp. & Cook County Jail, 57-58; Parkview Home for Aged, 58; Forest Hosp. for Ment. Disorders, 57-59; health serv, Univ. Illinois, 63- Israeli Army, 48-50. AAAS; Interam. Soc. Psychol; Int. Asn. Appl. Psychol; Psychol. Asn; Sociol. Asn; Heart Asn. Medical psychology; psychological implications of organic mental diseases and brain damage; test construction; psychodiagnosis. Publ: Co-auth, The development and validation of an aggression scale with application to normal and pathological behavior, Abstracts, Annual Meeting Am. Sociol. Asn, 59; auth, Longitudinal research studies of effects of heart disease and cardiac surgery on psychologic and neurologic functioning, In: Research approaches to psychiatric problems, Grune, 62; co-auth, Neuropsychiatric functioning before and after cerebrovascular damage—a systematic longitudinal multidisciplinary study, Proc. Int. Cong. Neurol, 65. Address: 100 Garrison St, Wilmette, Ill. 60091.
- ZAKUTA, PROF. LEO, b. Montreal, Que, Aug. 27, 25; m. 56. SOCIOLOGY. B.A. McGill, 46, M.A. 48; Ph.D. Chicago, 61. Lectr. SOCIOL, Manitoba, 51-52; TORONTO, 52-58, asst. prof, 58-64, assoc. prof, 64-67, PROF, 68-

- Can. Sociol. & Anthropol. Assn. Publ: A protest movement becalmed: a study of change in the CCF, Univ. Toronto, 64. Address: Dept. of Sociology, University of Toronto, Toronto 5, Ont, Can.
- ZALAR, DR. CHARLES, b. Austria, Sept. 10, 09; U.S. citizen; m. 36; c. 1. POLITICAL SCIENCE. B.S. Belgrade, 31; LL.M. Ljubljana, 35, Ph.D.(laws, econ), 36; fel. Sorbonne, 36-38; Rome, 41-43; Ph.D.(polit. sci.), Georgetown, 58. For. serv. officer, Vatican, Paris, 38-52; res. analyst, Library Cong., 52-62; prinl. asst. SCI. INFO, NAT. SCI. FOUND., 62-64, asst. prog. dir., 64-66, ASSOC. PROF. DIR., 66- Politi. Sci. Assn; Soc. Int. Law; French Soc. Comp. Legis; Int. Polit. Sci. Assn. Science information; international law; economics. Publ: Yugoslav communism; a critical study of its socio-economic, legal and political aspects, U.S. Govt. Printing Off., 61. Address: 4545 Connecticut Ave, N.W., Washington, D.C. 20008.
- ZALD, DR. MAYER N(ATHAN), b. Detroit, Mich, June 17, 31; m. 58. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A. Michigan, 53, Horace Rackham spec. fel., 53-54, Elizabeth McCormick Mem. Fund fel., 58-59, Ph.D.(soc. psychol.), 61; M.A. Hawaii, 55. Instr. sociol. & psychol., Chicago, 60-61, asst. prof., 61-64; ASSOC. PROF. SOCIOL., VANDERBILT, 64- Nat. Inst. Ment. Health career develop. award, 67-72. Sociol. Assn; Soc. Study Social Probs. Complex organizations; social conflict; social movements; elite structure and social welfare; social control of institutions. Publ: Ed, Social welfare institutions, Wiley, 65; auth, Correctional institution for juvenile offenders: an analysis of organizational character, Soc. Probs; co-auth, Social movement organizations: growth, decline and change, Soc. Forces, 66. Address: Dept. of Sociology, Vanderbilt University, Nashville, Tenn. 37203.
- ZALEZNIK, PROF. A(BRAHAM), b. Philadelphia, Pa, Jan. 24, 24; m. 45; c. 2. BUSINESS ADMINISTRATION & MANAGEMENT. A.B. Alma Col., 45; M.B.S. Harvard, 47, D.C.S. 51. Asst. HARVARD, 47-48, instr. bus. admin., 48-51, asst. prof., 51-58, assoc. prof., 56-61, PROF. SOC. PSYCHOL. OF MGT., 61-Res. fel., Boston Psychoanal. Soc. & Inst., 65- Faculty mem., Atlantic Summer Sch. Adv. Bus. Admin., Halifax, N.S., 53-55; adv. mgt. prog. of Far East, Baguio & Philippines, 58 & 59; adv. mgt. seminar, Keio Univ., Japan, 58, 64 & 65; Univ. Hawaii, 64 & 65; Tel. Aviv Univ., 67. Consult, various co. & govt. agencies. U.S.N., 42-46. Fel. Sociol. Assn; Soc. Appl. Anthropol. Human relations in industry; organizational behavior; executive motivation and role development; motivation and career development of professional personnel; power and authority in organizations; psychoanalytic psychology and management theory. Publ: Co-auth, The executive role constellation, Harvard Bus. Sch., 65; auth, Human dilemmas of leadership, Harper, 66; co-auth, The distribution of authority in formal organizations, Harvard Bus. Sch., 68. Address: 151 Follen Rd, Lexington, Mass. 02173.
- ZALKIND, PROF. SHELDON S(TANLEY), b. New York, N.Y., Dec. 29, 22. PSYCHOLOGY. B.A. Lehigh, 43; M.A. Columbia, 45; Ph.D.(psychol.), N.Y. Univ., 51. Instr., Brooklyn Col., 53-55; lectr., N.Y. Univ., 55-56, from asst. prof. to assoc. prof. PSYCHOL., 56-61; assoc. prof., BARUCH COL., CITY UNIV. NEW YORK, 61-66, PROF., 67-, lectr., 55-56. Res. assoc., Richardson, Bellows, Henry & Co., 51-59; prin. investr., Off. Naval Res. grant, 67-69. Psychol. Assn; Asn. Pub. Opinion Res; Soc. Psychol. Study Social Issues. Organizational change; job dislocation; civil liberties; attitudes and morale measurement. Publ: Co-auth, Developing people in industry; co-auth, Psychology in administration, Prentice-Hall, 63. Address: Dept. of Psychology, Baruch College, City University of New York, 17 Lexington Ave, New York, N.Y. 10010.
- ZAMANSKY, PROF. HAROLD S(EYMOUR), b. Boston, Mass., Mar. 9, 27; m. 53; c. 2. PSYCHOLOGY. B.S. Tufts, 49; M.A. Harvard, 51, Ph.D.(clin. psychol.), 54. Chief psychologist, pilot study rehab, Boston State Hosp., 53-55; res. assoc. sch. pub. health, Harvard, 55-56; asst. prof. PSYCHOL., NORTHEASTERN, 56-61, assoc. prof., 61-66, PROF., 66- AAAS: Psychol. Assn; Soc. Clin. & Exp. Hypnosis. Personality theory and development; projective methods; experimental psychopathology. Publ: An investigation of the psychoanalytic theory of paranoid delusions, 58 & co-auth, The effect of expectancy for hypnosis on prehypnotic performance, 64, J. Personality. Reduction of the word-recognition threshold under hypnosis, Perceptual & Motor Skills, 63. Address: 46 Bothfield Rd, Newton Centre, Mass. 02159.
- ZAND, PROF. DALE E, b. New York, N.Y., July 22, 26; m. 49; c. 5. MANAGEMENT, ORGANIZATIONAL BEHAVIOR. B.Elec.Eng., Cooper Union, 45; M.B.A., N.Y. Univ., 49, Ph.D.(mgt., econ), 54. Asst. to gen. mgr., Spectator Bags Inc., 47-49; v-pres., Glo-Cold Co., 49-50; instr. MGT., sch. commerce, N.Y. UNIV., 50-54, asst. prof., GRAD. SCH. BUS., 54-58, assoc. prof., 58-63, PROF., 63-, CHMN. MGT. AREA, 68- Ford Found. fel., Harvard, 59-60; fel. Inst. Appl. Behav. Sci., Nat. Training Labs., 62-, dir., 63-66. Consult, exec. cmt., Nat. Ed. Asn. Develop. Proj., 65-67; bd. dirs., Esso Res. & Eng. Co., 65-; Dep. Mayor's Off., New York, 67- U.S.N., 45-46. Fel. Soc. Appl. Anthropol; Inst. Mgt. Sci. Organizational change through use of group methods; group dynamics, sensitivity training; experimental research; management problem-solving behavior; managerial economics. Publ: Co-auth, Effects of problem variation on group problem solving under constrained communication, Psychol. Reports, 63 & The impact of an organization development program on perception of interpersonal, group and organizational functioning, J. Appl. Behav. Sci., 68; auth, Managing the knowledge organization, In: Preparing tomorrow's business leaders today, Prentice-Hall, 68. Address: New York University Graduate School of Business Administration, 100 Trinity Place, New York, N.Y. 10006.
- ZANDARSKI, DR. JOSEPH R, b. Dickson City, Pa, Mar. 12, 26; m. 56; c. 1. ACCOUNTING, MARKETING. B.S. Scranton, 51; M.B.A., N.Y. Univ., 57; Ph.D.(mkt), Pittsburgh, 64. ASSOC. PROF. ACCT. & MKT., SCRANTON, 51-Participant, Econ. in Action Workshop, Case, summer 66. U.S.A.A.F., 46-47, Mkt. Asn; Am. Act. Asn. The markets and the marketing of anthracite coal. Address: 1502 Madison Ave, Dunmore, Pa. 18509.
- ZANDER, PROF. ALVIN FREDERICK, b. Detroit, Mich., Oct. 13, 13; m. 39; c. 3. PSYCHOLOGY. B.S. Michigan, 36, M.P.H., 37, Ph.D.(ed. psychol.), 42; fel., Chicago, 38-39; Rockefeller fel., Iowa, 42. Field asst. adult ed., Michigan, 37-42; asst., Iowa, 42-43; asst. to res. dir., Boy Scouts Am., 43-45; asst. sanit., U.S. Pub. Health Serv., 44-46; asst. prof. psychol., Springfield Col., 46-47; PROF. ED. PSYCHOL., MICHIGAN, 54-. PSYCHOL., 60-, DIR. RES. CENTER GROUP DYNAMICS, 59-, prog. dir., 47-59. Consult, U.S.A.F., 52-; Vet. Admin., 53- Fel. Psychol. Assn. Group factors in individual adjustment; motivational processes in groups; organizational objectives. Publ: Group dynamics, research and theory; Role relations in mental health professions. Address: Research Center for Group Dynamics, University of Michigan, Ann Arbor, Mich., 48106.
- ZANGER, DR. EUGENE, b. Brooklyn, N.Y., Mar. 9, 28; m. 58; c. 3. PSYCHOLOGY. Ph.D.(psychol.), Denver, 54. Chief clin. psychologist, Springfield Child Guid. Clin., 54-55; Erie County Guid. Center, 55-57; CHIEF PSYCHOLOGIST, W. ISLIP PUB. SCHS., 57- Private practice, 57- Instr., State Univ. N.Y. Col. New Paltz, 59-; assoc. instr., grad. div., Adelphi, 63-64. Consult, Health Ins. Plan, 64-67; State Div. Voc. Rehab., N.Y., 64-67. U.S.A., 46-47. Psychol. Assn. Clinical and educational psychology. Publ: Effects of lysergic acid on the personality. Address: 153 Harbour View Dr., Massapequa, N.Y. 11758.
- ZANGRANDO, DR. ROBERT L(EWIS), U.S. Hist., see 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- ZANNETOS, PROF. ZENON S(OTERIOS), b. Famagusta, Cyprus, Dec. 4, 27; nat; m. 56; c. 3. INDUSTRIAL ECONOMICS. A.B. Kansas, 53; S.M., Mass. Inst. Tech., 55, Ph.D.(econ), 59. Asst. ops. res., MASS. INST. TECH., 54-55, instr. industr. mgt., 55-58, asst. prof., 58-61, assoc. prof., 61-66, PROF. MGT., 66- Ford Found. faculty fel., Stanford, 59-60; vis. prof. econ., Harvard, 62-64; Ford Found. faculty res. fel., 64-65; Forrestal prof., Naval War Col., 67-68. Am. Acct. Assn; Econ. Assn; Inst. Mgt. Sci. Management; theory of the firm; organization theory; intelligent information systems for planning and control; associative learning processes. Publ: On the theory of the firm, Oklahoma City Univ., 63; The theory of oil tankship rates, M.I.T. Press, 66. Address: Sloan School of Management, E 53-317, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
- ZARCHIN, PROF. MICHAEL M, Econ., see 10th ed, Soc. & Behav. Vols. deceased 66.
- ZAREFSKY, JOSEPH L(EON), b. New York, N.Y., Jan. 24, 18; m. 41 c. 3. SOCIOLOGY. B.S.S. City Col. New York, 37; fel. Health & Welfare Fedn., Pittsburgh, Pa., 38-39; M.S.W., Carnegie Inst. Tech., 39. Caseworker, Asn. Jewish Children, Phila., 39-41; asst. bur. soc. res., Health & Welfare Fedn., Pittsburgh, 41-43; chief soc. statist. sect., dir. statist. res., U.S. Childrens Bur., 43-48; dir. res. bur., COMMUNITY WELFARE PLANNING ASN. OF GREATER HOUSTON, 48-56, EXEC. DIR., 56- Mem. bd. dirs., Coun. Soc. Work Ed., 60-63; soc. policy & action div. cabinet, Nat. Asn. Soc. Workers & ment. health proj. grants rev. cmt., Nat. Inst. Ment. Health, 63-67. Acad. Cert. Soc. Workers. Community planning; social work research and related social science research; demography and vital statistics. Address: 515 Winslow Lane, Bellaire, Tex. 77401.
- ZAREMBA, DR. ALOIS L(OUIS), b. Cleveland, Ohio, Feb. 22, 21; m. 45; c. 1. ECONOMICS. B.S. Kent State, 45; M.A. Ohio State, 46, Ph.D.(econ), 60. Instr. econ., Ohio State, 46-51; economist, Off. Price Stabilization, 51-53; STATISTICIAN, CARLING BREWING CO., 54- Lectr., Western Reserve, 53-64; asst. prof., Kent State, 64- U.S.A.A.F., 42-43. Statist. Assn; Asn. Bus. Econ; Econ. Asn. International economics; statistics; business cycles. Address: 3545 Tolland Rd, Shaker Heights, Ohio 44122.
- ZARETSKY, DR. HERBERT H, b. Brooklyn, N.Y., Jan. 24, 38; m. 60; c. 2. PSYCHOLOGY. B.S. Brooklyn Col., 59; M.A. Pennsylvania, 61; Ph.D.(exp. psychol.), Adelphi, 63. Res. asst. psychol., Pennsylvania, 59-61; Adelphi, 61-63, instr., 62-64; res. assoc., DEPT. REHAB. MED., N.Y. UNIV. MED. CENTER, 64-66, SUPVR. RES. PSYCHOL., 64-, RES. SCIENTIST, 66- Instr., Hunter Col., City Univ. New York, 64- Clin. res. trainee, East Orange Vet. Admin. Hosp., N.J., 63-64. AAAS: Psychol. Assn. Learning and motivation; perception; psychological aspects of aging and disability; experimental design; statistical analysis. Publ: Learning and performance in the runway as a function of the shifts in drive and incentive, J. Comp. & Physiol. Psychol., 66; Psychological research in rehabilitation of the hemiplegic patient, Proc. First Caribbean Cong. Phys. Med. & Rehab., 67; Age difference in paired-associate learning, J. Geront., 68. Address: 142-05 Roosevelt Ave, Flushing, N.Y. 11354.
- ZARISKI, DR. RAPHAEL, b. Rome, Italy, July 18, 25; nat; m. 54. POLITICAL SCIENCE. A.B. Harvard, 48, A.M., 49, fel., 51-52, Ph.D., 52; Fulbright fel., Italy, 50-51. Res. assoc. POLIT. SCI., center int. studies, Mass. Inst. Tech., 52-54; instr., Bennington Col., 55-57, asst. prof., NEBRASKA, 57-62, ASSOC. PROF., 62- Fulbright lectr., Florence, 60-61; Am. Philos. Soc. grant, 66; Woods Found. fel., 66-67. U.S.A., 43-45. Polit. Sci. Assn. Comparative party politics. Publ: Party factions and comparative politics: some preliminary observations, Midwest J. Polit. Sci.; The Italian socialist party: a case study in factional conflict, Am. Polit. Sci. Rev.; Intra-party conflict in a dominant party, J. Polit., 2/65. Address: Dept. of Political Science, University of Nebraska, Lincoln, Nebr. 68508.
- ZARLOCK, DR. STANLEY P(AUL), b. Buffalo, N.Y., Apr. 2, 24; m. 56. PSYCHOLOGY. B.A. Buffalo, 52, Ph.D., 58. Trainee clin. psychol., Vet. Admin. Hosps., Buffalo, N.Y., 55-58, staff psychologist, Lexington, Ky., 58-60; AS-SOC. PROF. PSYCHOL., STATE UNIV. N.Y. COL. FREDONIA, 60- State Univ. N.Y. Res. Found. res. fel., 62. Mem. Gov. Cmt. Physically Disabled, 63-64. Psychol. Assn. Psychological effects of physical disability; methodological problems of clinical research; experimental psychopathology; social expectations, language and schizophrenia. Publ: Magical thinking and blindness, J. Consult. Psychol.; Social expectations, language and schizophrenia, J. Humanistic Psychol., spring 66. Address: 35 Carol Ave, Fredonia, N.Y. 14063.
- ZARNOWITZ, PROF. VICTOR, b. Lancut, Poland, Nov. 3, 19; nat; m. 46; c. 2. ECONOMICS. A.M. Heidelberg, 49, Ph.D.(econ), 51. Tutor & instr. econ., Heidelberg, & grad. sch. bus., Mannheim, 49-51; mem. res. staff, Nat. Bur. Econ. Res., Inc., N.Y., 52-53, 54-59; Soc. Sci. Res. Coun. res. fel. ECON,

- Harvard, 53-54; assoc. prof. CHICAGO, 59-65, PROF, 65- Lectr. sch. gen. studies, Columbia, 56-57, 58-59, vis. prof, 57-58; mem. res. staff, Nat. Bur. Econ. Res. Inc, 59-; Ford Found. faculty res. fel, 63-64. Mem. ar. res. staff & dir, study short-term econ. forecasting, Nat. Bur. Econ. Res. N.Y., 63- Econ. Asn; Statist. Soc. Price and allocation theory; income and employment theory; business fluctuations and forecasting. Publ: Unfilled orders, price changes and business fluctuations, 62, An appraisal of short-term economic forecasts, 67 & Columbia Univ. Nat. Bur. Econ. Res. Cyclical behavior of orders, production and investment, 68. Address: Graduate School of Business, University of Chicago, Chicago, Ill. 60637.
- ZARRILLI, DR. CANIO L(OUIS), b. New Rochelle, N.Y., Mar. 12, 06; m. 55; c. 2. LAW, CRIMINOLOGY. A.B. Columbia Col, 27; LL.B. Fordham, 30; J.S.D. N.Y. Univ, 31. Lawyer, private practice, 31-43, 45-47; chief contract officer voc. rehab. & ed. div, Vet. Admin, N.Y., 47-49; ATTORNEY AT LAW, 49- Lectr., Schwartz Sch, 47-52; City Col. New York, 47-51; lectr. & chmn. dept, New York Inst. Criminol. 51-61; lectr., Brooklyn Col, 59- Sig.C, U.S.A., 43-45, Sgt. Soc. Criminol.(v.pres, 59-60). Sociology; New York City government. Publ: Critical analysis of the royal commission report on homosexuality and prostitution, In: Crime in America. Address: 25 Hyatt St, Staten Island, N.Y. 10301.
- ZARTMAN, PROF. I(RA) WILLIAM, b. Allentown, Pa, Jan. 9, 32; m. 60. INTERNATIONAL RELATIONS. M.A. Hopkins, 52; dipl., Copenhagen, 53; Ph.D. Yale, 56. Instr. polit. sci., Hopkins, 54; Yale, 56; asst. prof. int. rels, South Carolina, 60-63, assoc. prof, 63-65; vis. assoc. prof. UN affairs, N.Y. Univ, 65-66, PROF. POLIT, 66-, ASSOC. DIR, CENTER INT. STUDIES, 67- Soc. Sci. Res. Coun. res. grants, 60 & 65; Univ. South Carolina res. grants, 61-64; Rockefeller Found. res. grant, 62-63, res. & teaching grant, 65-66; N.Y. State Ed. Dept. reading & res. grant, 67. Consult, U.S. Dept. State, 64-; Peace Corps, 67. Mem. exec. cmt, Educators' & Scholars' Cmt. for Rockefeller, 64. U.S.N. 56-60, Res. 60-, Lt. Comdr. Polit. Sci. Asn; African Studies Asn; Mid. East Studies Asn. N.Am.(exec. secy-treas, 67-); Mid. East Inst. International relations, particularly development of theory; application of international relations theory in Africa and Europe, especially in North and West Africa. Publ: Government and politics in Northern Africa, Praeger, 63; Morocco: problems of new power, Atherton, 64; International relations in the New Africa, Prentice-Hall, 66. Address: Dept. of Politics, New York University, New York, N.Y. 10003.
- ZASLOFF, DR. JOSEPH J, b. Pittsburgh, Pa, Feb. 24, 25; m. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. A.B. Pittsburgh, 47, M.L., 48; Ph.D.(int. rels), Grad. Inst. Int. Studies, Geneva, 52; summers, Harvard, 53 & 54. Res. asst, UN Palestine Conciliation Cmn, 49-50; ed. specialist, U.S. Dept. Air Force, 51-52; instr. POLIT. SCI., Allegheny Col, 52-54; ASSOC. PROF. PITTSBURGH, 54- Lectr., Chatham Col, 55 & 56; vis. lectr., Univ. Maryland European Prog, Germany, summers, 55 & 56; Smith Mundt prof, Univ. Saigon, 59-60. Consult, Peace Corps, 61-63; Rand Corp, 63-; Agency Int. Develop, 66-67. Chmn. exec. cmt, Asian Affairs Coun, Univ. Pittsburgh, 67- Publ: Great Britain and Palestine: a study of the problem before the United Nations, Droz, Switz, 52; The role of the sanctuary in insurgency: Communist China's support of the Viet Minh, 1946-1954, RM 4618-PR, Rand Corp, 67; The problems of South Vietnam, Commentary, 2/62. Address: Dept. of Political Science, University of Pittsburgh, Pittsburgh, Pa. 15213.
- ZASLOW, DR. ROBERT W, b. New York, N.Y., Dec. 15, 18; m; c. 2. CHILD & CLINICAL PSYCHOLOGY. B.A. California, Los Angeles, 46, M.A., Berkeley, 49, Ph.D. 57. Res. psychologist, sch. med, California, 55-57; asst. prof. med. psychol. med. sch, Oregon, 58-59; from asst. prof. to ASSOC. PROF. PSYCHOL, SAN JOSE STATE COL, 59- AAAS; Psychol. Asn. Research and diagnosis of thought pathology in schizophrenia and brain injury, especially of concept formation and perception; treatment of emotional problems in children. Publ: Study of concept formation in brain damaged adults, mental defectives and normals of different age levels, Genetic Psychol. Monogr; Reversals in children as a function of body-midline orientation, J. Ed. Psychol, 57: 133-139; co-auth. A theory and treatment of autism, In: Clinical psychology—cognitive aspects, Prentice-Hall, (in press). Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 95114.
- ZASSENHAUS, DR. HERBERT K(URT), Econ, see 10th ed, Soc. & Behav. Vols.
- ZAVALLONI, DR. MARISA, b. Milano, Italy, May 16, 29. SOCIAL PSYCHOLOGY. Lic. es psychol, Sorbonne, 53; Ph.D.(soc. psychol), Columbia, 60. Res. assoc, Res. Inst. Study Man, 57-60; World Fedn. Ment. Health, 60-62; asst. res. scientist, res. center human rels, N.Y. Univ, 62; res. dir, N.Y. State Div. Youth, 63-64; ASSOC. DIR, INT. CENTER FOR STUDY INTERGROUP RELS, SCH. ADV. STUDIES, PARIS, 64- Psychol. Asn; Sociol. Asn. Survey design analysis; attitudes studies; cross cultural research. Publ: Co-auth, Nationalism and tribalism: a study of social identity, Mouton, 68; Values and aspirations of youth in a changing society. Address: International Center for Intergroup Relations, 4 Rue de Chevreuse, Paris, France.
- ZAWADZKI, PROF. B(OHDAN), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 66.
- ZAWADZKI, DR. MICHAL IGNACY, b. Sokolniki, Poland, Sept. 29, 15; nat; m. 46; c. 1. AGRICULTURAL ECONOMICS, ECONOMICS. Sch. Polit. Sci., Warsaw, Poland, 36-38; M.S. Warsaw, 38; B.Litt, Oxford, 51; fel, Illinois, 52-53, Ph.D. 55. Asst. agr. economist, Bristol, 50-51; asst. agr. econ, Illinois, 52, 53-54; res. assoc. econ, Chicago, 55; asst. prof. agr. econ, Rhode Island, 55-59; econ, Loyola (Calif), 59-61; statistician, State Motor Vehicle Pollution Control Bd, 61-65; asst. econ. analyst, PLANNING BR, CALIF. STATE DEPT. WATER RESOURCES, 65-66, ASSOC. ECONOMIST, 66- Lectr., Calif. State Col. Long Beach, 66, Los Angeles, 67- Polish Air Force, 39-46, Capt. Pilot. Econ. Asn; Agr. Econ. Asn. Marketing farm products; farm management; agricultural policy; economics of East-Central Europe and underdeveloped countries. Publ: Rhodesia: a study in economic and social conditions, Poland; Fluid, dry and evaporated milk consumption. Address: 1911 Parnell Ave, Los Angeles, Calif. 90025.
- ZAWODNY, PROF. J(ANUSZ) K(AZIMIERZ), b. Warsaw, Poland, Dec. 11, 21; nat; m. 49. INTERNATIONAL RELATIONS. B.S. Iowa, 50, M.A., 51; Soc. Sci. Res. Coun. fel, 53-54; Ph.D.(polit. sci), Stanford, 55. Ford Found. Int. Rel. faculty training fel. psychol, Stanford, 58-59, instr. dept. polit., Princeton, 55-57, asst. prof, 57-58; vis. assoc. prof, San Francisco State Col, 60-61; fel, Center Adv. Study Behav. Sci, 61-62; assoc. prof. POLIT. SCI., Pennsylvania, 62-63; PROF, Washington (St. Louis), 63-65; PENNSYLVANIA, 65- Res. grants, Princeton, 57, Stanford, 64, Hoover Inst, 65, Pennsylvania, 66, Relm Found, 66-67, For. Policy Res. Inst, Pennsylvania, 67, Am. Coun. Learned Soc. & Soc. Sci. Res. Coun, 67 & 68-69 & Am. Philos. Soc, 68; Ford Found. faculty res. fel, 68-69; res. assoc, center int. affairs, Harvard, 68; ar. assoc. mem, St. Antony's Col, Oxford, 68-69. Polish Underground Forces, 40-44; Free Polish Army, 45-48, Lt. Polit. Sci. Asn. Theory-building in international relations; group reliance on violence in intra-societal and inter-societal problem-solving. Publ: Death in the forest: the story of the Katyn Forest massacre, Notre Dame, 62 & Japanese ed, Tokyo, 63; auth, Guide to the study of international relations, 66 & ed. & contrib, Conflict, Vol. I & Integration, Vol. II, In: Man and international relations: contributions of the social sciences to the study of conflict and integration, 67, Chandler Pub. Address: Dept. of Political Science, Wharton School, E-20 Dietrich Hall, University of Pennsylvania, Philadelphia, Pa. 19104.
- ZAX, PROF. M(ELVIN), b. Cambridge, Mass, Apr. 14, 28; m. 52; c. 2. PSYCHOLOGY. A.B. Boston, 51, A.M. 52; Ph.D.(psychol), Tennessee, 55. Clin. psychol. trainee, Vet. Admin. Hosp, Gulfport, Miss, 54-55; asst. clin. psychologist, psychol. serv. center, Tennessee, 55, clin. psychologist, 56; staff psychologist, St. Elizabeth's Hosp, D.C., 56-57; asst. prof. PSYCHOL, ROCHESTER, 57-62, assoc. prof, 62-67, PROF. & ASSOC. DIR. CLIN. TRAINING, 67- Consult, alcoholism clin, Rochester Gen. Hosp, 58-; Rochester State Hosp, 62-; Vet. Admin, 64-; adv. ed, J. Consult. Psychol, 65- U.S.A., 46-47. Psychol. Asn. Psychotherapy; communication; diagnostics. Publ: Co-auth, Patterns of psychopathology, 63 & The study of abnormal behavior, 64, Macmillan; Emergent approaches to mental health problems, Appleton, 67. Address: Dept. of Psychology, University of Rochester, Rochester, N.Y. 14627.
- ZAYCHER, JOHN JOSEPH, Econ, see 10th ed, Soc. & Behav. Vols.
- ZBOROWSKI, MARK, b. Uman, Russia, Jan. 27, 08, nat; m. 37; c. 1. ANTHROPOLOGY. Dipl., Paris, 38; fel, Cornell, 51-55. Asst. Columbia, 47-50; study dir. dept. sci, Am. Jewish Cmt, 49-51; dir. res. proj, U.S. Pub. Health Serv. grant, Cornell, 51-54; socio-cultural aspects of rehab, Russell Sage Found, 54-57; mem. faculty, sch. pub. health, Harvard, 57-58; consult, Age Center New Eng, 60-66; RES. ASSOC. IN MED. & STAFF ANTHROPOLOGIST, MT. ZION HOSP, SAN FRANCISCO, 66- Consult, Army Serv. Forces, 44-45; Inst. Intercultural Studies, 51-; Studies in Contemporary Cultures, Mass. Inst. Tech, 53-54. Fel. AAAS; Anthropol. Asn; Ethnol. Soc; Soc. Appl. Anthropol; Sociol. Asn. Anthropology of Eastern Europe; eastern European Jewish cultures; medicine; health and human behavior. Publ: Life is with people; Cultural components in responses to pain; Children of the Covenant. Address: 3030 Gough St, San Francisco, Calif. 94123.
- ZEAMAN, PROF. DAVID, Psychol, see 10th ed, Soc. & Behav. Vols.
- ZEBOT, PROF. CYRIL A, Polit. Econ, see 10th ed, Soc. & Behav. Vols.
- ZEDEK, DR. MEIRA E(LLEN), b. Germany, Aug. 19, 26; m. 56; c. 2. CLINICAL PSYCHOLOGY. B.A. Hebrew Univ, 54; M.A. Boston, 55, Ph.D.(psychol), 59. Clin. psychologist, BUR. MENT. HEALTH, D.C. DEPT. PUB. HEALTH, 58-67, SUPVRY. CLIN. PSYCHOLOGIST, 67- Psychol. Asn. Psychotherapy and diagnosis; verbal conditioning. Address: 3639 Warren St, N.W., Washington, D.C. 20008.
- ZEDLER, PROF. EMPRESS YOUNG, b. Abilene, Tex, Nov. 9, 08; m. 28; c. 1. PSYCHOLOGY, SPEECH PATHOLOGY. B.A. Texas, 28, M.A., 50, Ph.D. 53. Asst. prof. speech, SOUTHWEST TEX. STATE COL, 48-50, assoc. prof, 50-56, prof. speech ther, 56-59, PROF. ED, 59-, DIR. SPEECH & HEARING CLIN, 50-, CHMN. DEPT. SPEC. ED, 67- Lectr., Adams State Col, 59; Texas, 60-62; Wisconsin, 61; prin. investr, res. grants, U.S. Pub. Health Serv, 63-64 & U.S. Off. Ed, 64-68; proj. dir, U.S. Off. Ed, summer res. grant, 67. Consult, Santa Rosa Children's Hosp, San Antonio, 59-61; Baptist Mem. Hosp, 61-; mem. adv. coun, div. children with learning disabilities, Coun. Except. Children, 67- Psychol. Asn; fel. Speech & Hearing Asn; Asn. Children with Learning Disability. Etiology, diagnosis and correction of communicative disorders of children; evaluation and teaching of minimally brain damaged children with adequate intellect who fail to learn language skills in school. Publ: Listening for speech sounds; co-auth, International approach to learning disabilities of children and youth, Selected Conf. Papers, Asn. Children with Learning Disabilities, 67. Address: Speech & Hearing Clinic, Southwest Texas State College, San Marcos, Tex. 78666.
- ZEFF, PROF. STEPHEN A(DDAM), b. Chicago, Ill, July 26, 33. BUSINESS ADMINISTRATION, ACCOUNTING. B.S. Colorado, 55, M.S., 57; univ. fel, Michigan, 58-60, M.B.A., 60, U.S. Steel Found. fel, 60-61, Ph.D.(bus. admin), 62. Instr. acct. mgt, Colorado, 55-57; asst. bur. indust. rels, Michigan, 57-58, instr. ACCT, 60-61, lectr., Dearborn Center, 61; asst. prof, TU-LANE, 61-63, assoc. prof, 63-67, PROF, 67- Am. Acct. Asn; Nat. Asn. Acct; Econ. Asn. Financial accounting theory and applications; standards of financial reporting; international accounting. Publ: Co-ed, Financial accounting theory, McGraw, 64, Vol. II, 69; auth, Uses of accounting for small business, Univ. Mich. Bur. Bus. Res, 62; The American accounting association: its first fifty years, Am. Acct. Asn, 66. Address: Graduate School of Business Administration, Tulane University, New Orleans, La. 70118.
- ZEGERS, RICHARD T(HEODORE), S.J., b. Brooklyn, N.Y., July 13, 09. PSYCHOLOGY. A.B. Woodstock Col, 34, M.A., 35, S.T.L., 42; M.A. Fordham, 38; fel, Columbia, 47-48, Ph.D.(psychol), 48. From instr. to asst. prof, FORDHAM, 48-55, assoc. prof. PSYCHOL, 55-66, PROF, 66- Psychol. Asn. Visual systematic psychology. Publ: Monocular movement parallax as a function of field size, field position and speed of stimulus movement, J.

Psychol. Address: Dept. of Psychology, Fordham University, Rose Hill Campus, Bronx, N.Y. 10458.

ZEHNER, COL. FREDERICK A(UGUST), Clin. Psychol, see 10th ed, Soc. & Behav. Vols, deceased 67.

ZEICHNER, DR. ABRAHAM M, b. Deda, Romania, May 18, 21; nat; m. 48; c. 4. CLINICAL PSYCHOLOGY. B.A. Brooklyn Col, 43; M.A. N.Y. Univ, 47, Ph.D, 53. Clin. psychol. trainee, Vet. Admin, 47-51; clin. psychologist, Conn. State Hosp, 51-53, sr. clin. psychologist, 53-55; dir. PSYCHOL. SERV, Fairfield State Hosp, Conn, 55-57; CHIEF, STATE DEPT. MENT. HEALTH, CONN, 57- Clin. instr, Yale, 57; vis. prof, Wesleyan, 68- U.S.A. 43-46. Psychol. Asn; Orthopsychiat. Asn. Development and dynamics of personality; individual and group psychotherapy; mental health program development; community consultation. Publ: Psychosexual identification in paranoid schizophrenia; Conception of masculine and feminine roles in paranoid schizophrenia, J. Proj. Tech; co-auth, Impact of admission to a mental hospital on the patients' family, Ment. Hyg. Address: 25 Crestview Dr, North Haven, Conn. 06473.

ZEICHNER, PROF. OSCAR, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

ZEIDENFELT, DR. A(LEX) P(AUL), b. New York, N.Y., June 19, 22. POLITICAL SCIENCE. A.B. Brooklyn Col, 45; A.M. N.Y. Univ, 46, Ph.D.(polit. sci), 51; M.L.S., Pratt Inst, 59; M.S.W., Adelphi, 64. Welfare rep, State Dept. Soc. Welfare, 60-64; CASE WORK SUPVR, serv. mil. families, Am. Red Cross, 64-66; Riverdale Childrens Asn, 66-67; SPEEDWELL SERV. CHILDREN, 68- International relations; comparative government; social welfare. Publ: Transportation in the Caribbean during World War II, Inter-Am. Econ. Affairs; Political and constitutional developments in Jamaica, J. Polit; War and food in the Caribbean, Midwest J. Address: 345 Webster Ave, Brooklyn, N.Y. 11230.

ZEIDENSTEIN, DR. HARVEY GARY, b. Chicago, Ill, May 6, 32; m. 57; c. 2. POLITICAL SCIENCE. B.S. Northwestern, 54; M.A. Chicago, 57; Penfield scholar, N.Y. Univ, 58-60, Ph.D.(polit. sci), 65. Teacher, high sch, Mich, 57-58; instr. polit. sci, Hofstra, 60-61; res. assoc. legis. policy, Ill. Legis. Coun, 61-65; ASST. PROF. POLIT. SCI, ILLINOIS STATE, 65-, faculty res. grant, 67-68. Polit. Sci. Asn. American political parties; American presidency; public opinion; impact of public opinion on functions of the American presidency. Publ: Personnel administration in Illinois: a look at operations under the 1955 code, 11/62 & Federal grant-in-aid programs in Illinois, 8/64, Ill. Legis. Coun. Address: Dept. of Political Science, Illinois State University, Normal, Ill. 61761.

ZEIDNER, DR. JOSEPH, b. New York, N.Y., May 9, 27; m. 53; c. 1. PSYCHOLOGY. B.S. City Col. New York, 49; M.A. Fordham, 51; Ph.D. Catholic Univ, 54. Res. psychologist, chief res. & develop, U.S. ARMY BEHAV. RES. LAB, 50-59, CHIEF SUPPORT MGT. RES. DIV, 59- Prof. & lectr, Howard, 64- Mem. Armed Forces Vision Cmt, Nat. Res. Coun, 59- Army res. & develop. achievement award, 63. U.S.N., 45-46. Psychol. Asn. Man-machine information systems; surveillance. Publ: Value of stereoscopic viewing in aerial surveillance systems; Scientific selections of personnel & Guide to psychological tests, Nat. Foremen's Inst, Prentice-Hall, 63. Address: 1001 S. Belgrade Rd, Silver Spring, Md. 20902.

ZEIFERT, DR. MARK, Psychiat, see 11th ed, Phys. & Biol. Vols.

ZEIGLER, PROF. HARMON, b. Savannah, Ga, Mar. 9, 36; m. 56; c. 2. POLITICAL SCIENCE. A.B. Emory, 57; M.A. Illinois, 58, Ph.D.(polit. sci), 60. Asst. prof. POLIT. SCI, Fla. State, 60-61; Emory, 61-63; Georgia, 63-64; assoc. prof. OREGON, 64-67, PROF, 67- Polit. Sci. Asn. Education and politics; legislative politics. Publ: Interest groups in American society, 64 & The political life of American teachers, 67, Prentice-Hall; co-auth, Attitude consensus and conflict in an interest group: an assessment of cohesion, Am. Polit. Sci. Rev, 9/66. Address: Dept. of Political Science, University of Oregon, Eugene, Ore. 97403.

ZEIGLER, DR. HARRIS PHILIP, b. Boston, Mass, Mar. 7, 31; m. 58; c. 1. PSYCHOLOGY. B.A. City Col. New York, 54; M.A. Wisconsin, 56, Ph.D. (psychol), 58. Nat. Inst. Ment. Health fel, Cambridge, 58-60; ASSOC. PROF. PSYCHOL, CITY COL. NEW YORK, 61- Acad. adv. comp. & physiol. psychol, Harper & Row Publishers, 63-68. Psychol. Asn; Animal Behav. Soc. Comparative and physiological study of learning and motivation; neurobehavioral analysis of feeding birds. Publ: Co-auth, Readings in physiological psychology, Harper, 69; auth, Forebrain lesions and learning in pigeons, J. Comp. Neurol, 63 & Displacement activity and motivational theory, Psychol. Bull, 64. Address: Dept. of Psychology, City College of New York, New York, N.Y. 10031.

ZEIGLER, DR. MARTIN L(UTHER), b. Mechanicsburg, Pa, Sept. 18, 21; m. 44; c. 3. PSYCHOLOGY. Ph.D, Pa. State, 54. Asst. supvr. for res. comput. & supvr, student adv. serv, Pa. State, 50-56, asst. dir. div. counseling, 56-59, dir. student affairs res, 59-63, res. assoc. psychol, 54-63; assoc. prof. psychol. & asst. provost, ILLINOIS, URBANA, 63-65, ASSOC. PROVOST, 65-, DIR. INSTNL. STUDIES, 63-, PROF. PSYCHOL, 67- U.S.A. 43-45, 1st Lt. Psychol. Asn; Asn. Instrnl. Res; Acad. Polit. & Soc. Sci. Selection and evaluation of college students. Publ: Co-auth, Synonym vocabulary test, standardization and validation. Address: 2008 S. Anderson St, Urbana, Ill. 61801.

ZEIGLER, DR. R(OYAL) K(EITH), Math, Appl. Statist, see 11th ed, Phys. & Biol. Vols.

ZEIGLER, PROF. THORNTON WOODWARD, b. Baltimore, Md, May 13, 09; wid; c. 2. PSYCHOLOGY. Ph.D.(psychol), Hopkins, 36. Instr. psychol, Newcomb Col, Tulane, 36-38; from psychologist to chief psychologist, Neuropsychiat. Inst, MICHIGAN, 39-65, ASST. PROF. PSYCHIAT, MED. SCH, 52-, instr, 48-52. Attend. psychologist, Vet. Admin. Hosp, Ann Arbor, Mich, 54-56. Dipl. Am. Bd. Exam. Prfnl. Psychol. Fel. Psychol. Asn. Clinical psychology; projective techniques. Publ: Co-auth, Ordinal position

and schizophrenia; Psychiatric factors in medical students who fail, Am. J. Psychiat; Forced and optional intervals of presentation in the serial learning of nonsense material, J. Gen. Psychol. Address: University Hospital, University of Michigan, Ann Arbor, Mich. 48104.

ZEILER, DR. MICHAEL DONALD, b. New York, N.Y., Oct. 9, 33; m. 54; c. 3. PSYCHOLOGY. A.B. Stanford, 54; M.A. New Sch. Soc. Res, 60, Ph.D.(psychol), 62. Instr. psychol, Wellesley Col, 62-64; asst. prof, 64-67; ASSOC. PROF. CHILD BEHAV. & DEVELOP, IOWA, 67- Dir. psychol. res, Walter E. Fernald State Sch, 65-67. U.S.A.F., 54-56, Res, 56-62, Capt. Psychol. Asn; Psychonomic Soc. Reinforcement and stimulus control of behavior; psychology of learning. Publ: Stimulus definition and choice, In: Advances in child development and behavior, Academic, Vol. III, 67; Stimulus control with fixed-ratio reinforcement, 68 & Fixed and variable schedules of response-independent reinforcement, 68, J. Exp. Anal. Behav. Address: Institute of Child Behavior and Development, University of Iowa, Iowa City, Iowa 52240.

ZEIN-ELDIN, DR. ELSAYED AHMED, Psychiat, see 11th ed, Phys. & Biol. Vols.

ZEIS, DR. PAUL M(AXWELL), b. Findlay, Ohio, Nov. 18, 12; m. 39; c. 2. ECONOMICS, POLITICAL SCIENCE. A.B. Akron, 33; A.M. Princeton, 35, Ph.D, 36. Instr. polit. sci, Nebraska, 36-38, prof, Akron, 38-42; budget exam, U.S. Burr. Budget, 42-44; transportation economist, Civil Aeronaut. Bd, 45; transportation economist & chief transportation & commun. div, U.S. Dept. Commerce, 46-51; dir. prod. eval. div, Nat. Prod. Authority, 51-52; exec. asst. v.pres, acct. & finance, Akron, Canton & Youngstown R.R. Co, 52-58, v.pres, acct. & finance & treas, 58-64; DIR. RES, NORFOLK & WEST. RWY, 64- Economist & v.pres. res, Riverlake Belt Conveyor Lines, Inc, 52-58. Consult, Univ. Akron & Northwestern, 52-58. Econ. Asn. Transportation economics. Publ: American shipping policy; Issues involved in a unified and coordinated program for transportation. Address: 1909 Pelham Dr. S.W., Roanoke, Va. 24018.

ZEISEL, PROF. HANS, b. Czech, Dec. 1, 05; nat; m. 38; c. 2. SOCIAL SCIENCE, LAW. Dr. jur, Vienna, 27, Dr. rer. pol, 28. Dir. res. develop, McCann-Erickson, 43-50; res, Teacher Coun, 50-53; PROF. LAW & SOCIOL, CHICAGO, 53- Lectr, grad. sch, Columbia; New Sch. Soc. Res. Expert consult, U.S. War Dept. Pres, Mkt. Res. Coun, 50. Chmn. bd, Marplan. Sociol. Asn; Econ. Asn; Asn. Pub. Opinion Res; Mkt. Asn; Economet. Soc. Market research. Publ: Say it with figures, Harper, 47, 68; co-auth, Delay in the court, 60 & The American jury, 65, Little. Address: Law School, University of Chicago, Chicago, Ill. 60637.

ZEISSET, DR. RAY MERTON, b. Oklahoma City, Okla, Dec. 18, 39; m. 61; c. 1. CLINICAL PSYCHOLOGY. B.A. Westmar Col, 61; U.S. Pub. Health Serv. fel, Illinois, 61-62, M.A., 65, Ph.D.(clin. psychol), 68. Staff psychologist, Vet. Admin. Hosp, Danville, Ill, 66-67; CLIN. PSYCHOLOGIST, LINCOLN STATE HOSP, NEBR, 67- Psychol. Asn. Behavior psychotherapy research and clinical application in psychiatric populations; psychological assessment, especially objective personality scales. Publ: Co-auth, Selective reinforcement of schizophrenics' interview responses, Behav. Res. & Ther, 65; auth, Two parallel forms of Welsh's A and R scales, Vet. Admin. Newsletter Res. Psychol, 5/66; Desensitization and relaxation in the modification of psychiatric patients interview behavior, J. Abnorm. Psychol, 2/68. Address: 2443 Sewell, Lincoln, Nebr. 68502.

ZEITLIN, DR. IRVING M(ORDECAI), b. Detroit, Mich, Oct. 19, 28; m. 50; c. 4. SOCIOLOGY, ANTHROPOLOGY. B.A. Wayne State, 58, M.A., 61; M.A., Princeton, 63, Ph.D.(sociol, anthropol), 64. ASST. PROF. SOCIOLOGY, INDIANA, 65- Nat. Sci. Found. fel, 64-65. Sociol. Asn. Sociological theory; social stratification; political sociology; sociology of knowledge. Publ: Marxism: a re-examination, Van Nostrand, 67; Ideology and the development of sociological theory, Prentice-Hall, 68. Address: Dept. of Sociology, Indiana University College of Arts & Sciences, Bloomington, Ind. 47401.

ZEITLIN, DR. LAWRENCE R(ICHARD), b. Wilkes-Barre, Pa, July 25, 30; m. 53; c. 1. PSYCHOLOGY. A.B. Harvard, 51; M.A. Roosevelt, 52; Ph.D. (social psychol), Northwestern, 54. Assoc. prof. psychol, Louisville, 55-57; sr. mem. tech. staff, missile electronics & controls div, Radio Corp. Am, 57-59; sr. psychologist, Dunlap & Assocs, Inc, 59-63; ASSOC. PROF. INDUSTR. PSYCHOL, BARUCH SCH, CITY COL. NEW YORK, 63- Head human factors dept, systs. div, Bendix Corp, 58-59. Consult, BFS Psychol. Assocs, Inc, 64-; Stevens Inst. Tech, 65-; Port of New York Authority, 67- Mem, Nat. Cmt. Accident Res, 68- Med.Serv.C, U.S.A. 54-57, Capt. AAAS; Phys. Soc; Acoustical Soc; Rocket Soc; Psychol. Asn; Human Factors Soc. Industrial psychology; communications sciences. Address: Dept. of Psychology, Baruch School of Business & Public Administration, City College of New York, New York, N.Y. 10010.

ZEITLIN, DR. MAURICE, b. Detroit, Mich, Feb. 24, 35; m. 59; c. 3. SOCIOLOGY. B.A. Wayne State, 57; Woodrow Wilson Found. fel, California, Berkeley, 59-61, M.A. & univ. summer fel, 60, Ph.D.(sociol), 64. Instr. anthrop. & sociol, Princeton, 61-64, res. assoc. center int. studies, 62-64; asst. prof. SOCIOL, WISCONSIN, 64-67, ASSOC. PROF, 67-, grad. sch. & Univ. Ibero-American Prog. res. grants, 67-68. Ford Found. fel. Latin Am. Studies, 65-67. Sociol. Asn. Political sociology, especially social determinants of political democracy and social revolution, class consciousness and political radicalism. Publ: Co-auth, Cuba: tragedy in our hemisphere, Grove, 63; auth, Revolutionary politics and the Cuban working class, Princeton, 67; co-ed, Latin America: reform or revolution?, Fawcett, 68. Address: Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.

ZELAN, DR. JOSEPH, b. New York, N.Y., Feb. 5, 35; m. 61; c. 1. SOCIOLOGY. B.A. Chicago, 54, M.A., 63, Ph.D.(sociol), 64; Frankfurt, 54-55. ASST. PROF. sociol. res, Brandeis, 64-66; SOCIOL, CALIFORNIA, DAVIS, 66- Assoc. Russian Res. Center, Harvard, 65-66; res. assoc, surv. res. center, California, Berkeley, 68- Consult, Age Center Worcester Area, Inc, Mass, 65-66; west. regional off. Off. Econ. Opportunity, 66- Sociol. Asn; Soc. Study Social Probs. Sociology of higher education; comparative education; Soviet social structure; sociology of social welfare, occupations and

professions. Publ: Co-auth, Lawyers in the making, Aldine, 65; auth, Social origins and the recruitment of American lawyers, Brit. J. Sociol, 3/67. Address: Dept. of Sociology, University of California, Davis, Calif. 95616.

ZELDER, DR. RAYMOND E(DWARD), b. Chicago, Ill, Aug. 4, 28; m. 52; c. 2. ECONOMICS. B.A. Harvard, 50; M.A. Chicago, 51, fel. & Ph.D.(econ), 55. Economist, U.S. Dept. Commerce, 52; U.S. Dept. Treas. 52-53; Eastman Kodak Co, 55-60; chief bus. conditions and forecasting, Bank of Am, 60-62; assoc. economist, North. Trust Co, 62-64; ASSOC. PROF. ECON, WESTERN MICHIGAN, 64- Econ. Asn. International trade: money and banking; economic fluctuations. Publ: Estimates of elasticities and demand for exports of the United Kingdom and the United States, 1921-1938, Manchester Sch. Econ. & Soc. Studies, 58. Address: Dept. of Economics, Western Michigan University, Kalamazoo, Mich. 49001.

ZELDITCH, PROF. MORRIS, JR, b. Pittsburgh, Pa, Feb. 29, 28; m. 50; c. 2. SOCIOLOGY. B.A. Oberlin Col, 51; Woodrow Wilson fel, 51-52; Ph.D. Harvard, 55. From instr. to asst. prof. dept. sociol, Columbia, 55-61, soc. scientist, dept. psychiat, col. physicians & surgeons, 58-61; assoc. prof. SOCIOL, STANFORD, 60-66, PROF. 66- U.S.A. 45-47. Fel. Sociol. Asn. Family; comparative social structure; sociological statistics; experimental study of complex organizations; formal theory-construction. Publ: Basic course in sociological statistics, Holt, 59; co-auth, Types of formalization in small-group research, 62 & Sociological theories in progress, Vol. 1, 66, Houghton. Address: 936 Lathrop Place, Stanford, Calif. 94305.

ZELNY, PROF. CAROLYN, b. Minneapolis, Minn, May 6, 09. SOCIOLOGY. B.A. Vassar Col, 30; M.A. Yale, 39, Ph.D., 44. Instr. sociol, Skidmore Col, 41-43; res. assoc. recent immigration from Europe, N.Y., 44-46; Nat. Cmt. Immigration Policy, 46-50; Russell Sage Found., 51-53; assoc. prof. SOCIOL, WILSON COL, 53-61, PROF, 61-, CHMN. DEPT. SOCIOL. & ANTHROP, 53- Fel. Sociol. Asn; Soc. Study Social Probs.(secy, 57-59). Immigration and minority groups; conflict accommodation theory; minority and intergroup relations; community urban studies. Publ: Co-auth, Refugees in America, 47; American immigration policy: a reappraisal, 50; auth, Relations between Spanish-Americans and Anglo-Americans in New Mexico, Univ. Microfilms, 66. Address: Dept. of Sociology, Wilson College, Chambersburg, Pa. 17201.

ZELNY, CHARLES E(LLINGSON), b. Champaign, Ill, Apr. 24, 18; m. 50; c. 2. PSYCHOLOGY. B.A. Illinois, 39, fel, 49, M.A. 53. Res. psychologist, Human Resources Res. Center, Chanute Air Force Base, Ill, 49-52; asst. psychol, training res. lab, Illinois, 52-54; res. psychologist, human factors br, electronic warfare dept, Army Electronic Proving Ground, 54-58, chief of br, 55-58; prog. dir. & res. psychologist, Appl. Psychol. Corp, Ariz, 58-63; proj. leader arms control & disarmament, Bendix Sys. Div, Bendix Corp, Mich, 63-66; CHIEF EVAL. & SELECTION BR, VISTA, OFF. ECON. OPPORTUNITY, EXEC. OFF. PRESIDENT, 66- U.S.A. 42-46, Res, 46-49; U.S.A.F.R., 49-, Capt. AAAS; Psychol. Asn; Human Factors Soc; Soc. Psychol. Study Soc. Issues. Human engineering research; aviation psychology; psychophysics; experimental design; operations research; problem solving; training; motivation; job satisfaction; personnel selection; manning; attitude measurement; morale; psychological factors in peace-war. Publ: An investigation of the relation of job satisfaction factors to high and low reenlistment rates; co-auth, Attitudes of air training command airmen toward various aspects of Air Force life; Relation of selected background factors to the job satisfaction of airman instructors in Air Force technical schools. Address: 6825 Wemberly Way, McLean, Va. 22101.

ZELNY, PROF. LESLIE D(AY), b. Minneapolis, Minn, July 21, 98; m. 24, 48; c. 2. SOCIOLOGY. B.S. Minnesota, 22; scholar, Columbia, 22-23, A.M., 23; Ph.D. Minnesota, 31; London, 36. Prof. sociol, Minn. State Teachers Col, St. Cloud, 23-39, chmn. div. soc. studies, 39-46; prof. sociol. & chmn. div. soc. studies, COLO. STATE COL, 46-63, EMER. PROF. SOCIOL, 63- Prof, Wayne State Col, 63-65; American Univ. Cairo, 65-67; temporary prof, Colorado State, spring 68. Summers, instr, Minnesota, 29, researcher, air univ, 48, vis. prof, Stanford, 64, Colo. State Col, 65, American Univ. Cairo study grant, Brit. Mus. Univ. London, 66. Mem. Nat. Coun. Soc. Studies. U.S.M.C., 17-18; U.S.A.A.F., 42-45, Capt. Sociol. Asn. General sociology; sociometry; social psychology. Publ: Ed, Educating citizens for democracy, Oxford Univ, 58; auth, Comparative study of the investigations of the intelligence of criminals; Selection of compatible flying partners. Address: P.O. Box 1751, Estes Park, Colo. 80517.

ZELNY, MARJORIE PFEIFFER, b. Baltimore, Md, Mar. 31, 24; m. 50; c. 2. PSYCHOLOGY. B.A. Maryland, 47; M.S. Illinois, 49. Voc. counsr. psychol, Vet. Admin, Md, 47-48; asst. Illinois, 48-50, res. assoc, bur. res. & serv, 52-53; chief psychologist, col. med, Ohio State, 50-51; RES. PSYCHOLOGIST, 54- AAAS; Psychol. Asn; Soc. Psychol. Study Social Issues. Projective techniques in diagnosis; child development, especially gifted children; physiological changes in the patient during therapy; psychology of artistic creativity. Publ: Co-auth, Real life measures of level of aspiration in adolescents, Child Develop, 53, Tension changes during psychotherapy, In: Psychotherapy theory and research, Ronald, 53 & Validity of teachers' ratings of adolescents' adjustment and aspirations, J. Ed. Psychol, 54. Address: 6825 Wemberly Way, McLean, Va. 22101.

ZELINSKY, PROF. WILBUR, b. Chicago, Ill, Dec. 21, 21; m. 44; c. 2. GEOGRAPHY. A.B. California, 44, Ph.D., 53; A.M. Wisconsin, 46. Asst. prof. geog, Georgia, 48-52; proj. assoc, Wisconsin, 52-54; indust. analyst, Chesapeake & Ohio Rwy. Co, 54-59; PROF. GEOG, Southern Illinois, 59-63; PA. STATE, 63- Instr, Wayne, 55. Mem. Cmn. Col. Geog, 64-67; cmm. geog. cartography world pop, Int. Geog. Union, 64-68. Asn. Am. Geog; Pop. Asn. Am; Int. Union Sci. Study Pop. Population, settlement and industrial geography; geography of Anglo-America. Publ: Prologue to population geography, Prentice-Hall, 66; Population patterns in tropical Africa; co-auth, A basic geographical library, Asn. Am. Geog, 66. Address: Dept. of Geography, Pennsylvania State University, University Park, Pa. 16802.

ZELKO, PROF. HAROLD P(HILLIP), Speech, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

ZELLER, DR. ANCHARD F(REDERIC), Psychol, see 11th ed, Phys. & Biol. Vols.

ZELLER, PROF. BELLE, b. New York, N.Y., Apr. 8, 03. POLITICAL SCIENCE. A.B. Hunter Col, 24; A.M. Columbia, 26, Ph.D. 37. Instr. govt, BROOKLYN COL, 30-37, asst. prof, 37-44, assoc. prof. POLIT. SCI, 44-52, PROF, 52-, chmn. dept, 38-41. Soc. Sci. Res. Coun. grant-in-aid, 45-46, 49-50; vis. prof, New Sch. Soc. Res, 60- Res. consultant, select cmt. lobbying activities, House Rep, U.S. Cong, 49-50; N.Y. State Cmn. on Constitutional Convention, 66-67. Chmn. Legis. Conf. City Cola, 44-; mem. Governor's Cmn. study orgn. structure of city govt, New York, 53-54; bd. dirs. pub. affairs cmt, 66- Polit. Sci. Asn; Acad. Polit. & Soc. Sci; Acad. Polit. Sci; Asn. Pub. Opinion Res; Soc. Pub. Admin. Pressure groups and lobbying; public opinion and propaganda; political parties. Publ: Pressure politics in New York; ed, American state legislatures. Address: Dept. of Political Science, Brooklyn College, Brooklyn, N.Y. 11210.

ZELLER, DR. FRED A, b. Perham, Minn, Oct. 18, 31; m. 54. ECONOMICS, SOCIOLOGY. B.S.C. North Dakota, 55, M.A. 58; Ph.D.(econ), Ohio State, 63. Instr. ECON, North Dakota, 58-59; Ohio State, 59-63, asst. prof, 63-65; ASSOC. PROF, WEST VIRGINIA, 65-, DIR. OFF. RES. & DEVELOP, 67-, dir. inst. labor studies, 65-67. U.S.A. 56-58, 1st Lt. Indust. Res. Res. Asn; Econ. Asn. Manpower and human resources development; individual adaptation and institutional change. Publ: Fundamentals of economics, 64 & co-auth, The practice of local union leadership, 65, Ohio State Univ; co-auth, U.A.W.'s public review board, Indust. Res, 65. Address: Dept. of Economics, West Virginia University, Morgantown, W. Va. 26506.

ZELLNER, PROF. ARNOLD, b. Brooklyn, N.Y., Jan. 2, 27; m. 53; c. 5. ECONOMICS. A.B. Harvard, 49; Booth fel, California, 53-54, univ. fel, 54-55, Ph.D. 57. Asst. prof. econ, Washington (Seattle), 55-59, assoc. prof, 59-60; Wisconsin, 60-62, prof, 62-66; H.G.B. ALEXANDER PROF. ECON. & STATIST. GRAD. SCH. BUS, CHICAGO, 66-, vis. prof, 64-65. Nat. Sci. Found. fel, Cowles Found. Res. Econ, Yale, 59; Fulbright vis. prof, Netherlands Sch. Econ, 60-61. Consult. econ. dept, Battelle Mem. Inst, Columbus, Ohio, 63- U.S.A. 51-53. Econ. Asn; Statist. Asn; fel. Economet. Soc. Development and application of quantitative techniques for analysis of economic data; econometrics; consumer behavior. Publ: An efficient method of estimating seemingly unrelated regression equations, J. Am. Statist. Asn; Short-run consumption function & co-auth, Three-stage least squares: simultaneous estimation of simultaneous equations, Econometrica. Address: Graduate School of Business, University of Chicago, Chicago, Ill. 60637.

ZELLWEGER, DR. SHEA, b. Chicago, Ill, Sept. 7, 25; m. 61; c. 2. PSYCHOLOGY. B.A. Chicago, 52; M.A. Temple, 57, Ph.D.(psychol), 66. Instr. PSYCHOL, Temple, 59-64; ASST. PROF. Acadia, 64-66; PURDUE, CALUMET, 66- U.S.A. 46-48, S/Sgt. Am. Psychol. Asn; Can. Psychol. Asn. Learning; cognitive processes; logical thought. Address: 6842 Magoun Ave, Hammond, Ind. 46324.

ZELNIK, DR. MELVIN, b. New York, N.Y., Sept. 22, 28. SOCIOLOGY, DEMOGRAPHY. A.B. Miami (Ohio), 55; Milbank Mem. Fund fel, Princeton, 55-58, M.A. 57, Ph.D.(sociol), 59. Instr. sociol, Pa. State, 58-59; demog. statistician, U.S. Bur. Census, 59-61; res. assoc. demog. off. pop. res, Princeton, 61-62; asst. prof. sociol, Ohio State, 62-64; statistician, U.S. Bur. Census, 64-66; ASSOC. PROF. DEMOG, HOPKINS, 66- U.S.A. 48-50, 51-52. AAAS; Sociol. Asn; Statist. Asn; Pop. Asn; Int. Union Sci. Study Pop. Address: Dept. of Population & Family Health, School of Hygiene & Public Health, Johns Hopkins University, 615 N. Wolfe St, Baltimore, Md. 21205.

ZELOMEK, A(BRAHAM) W(ILBERT), Econ, see 10th ed, Soc. & Behav. Vols.

ZEMAITIS, ALGIRDAS JONAS ALEXIS, b. Sahniskiai Manor, Lithuania, Mar. 9, 33; U.S. citizen; m. 56; c. 4. POLITICAL ECONOMICS. Cand. Dr. rer. pol, Bonn, 56; B.A. & M.A. Oxford, 59. V.pres. int. affairs, Union Chretienne-Democrate d'Europe Centrale, S/J, Paris, France, 55-59; sr. economist, Borg-Warner Int. Corp, Ill, 59-61; dir. gen. int. mkt. res, Market Facts, Inc, 62-63; int. economist, Sears, Roebuck & Co, 63-66; int. trade consult, Agency Int. Develop, D.C., 67-68; ECONOMIST, FOOD & AGR. ORGN, UN, ROME, 68- Chmn. Bonn. cmt, Worldwide Lithuanian Asn, Germany, 54-56; dir, Coun. Int. Mkt. & Planning Dirs, U.S., 64-66; exec. secy, Lithuanian Am. Coun. of Chicago, 66. Del. Int. Christian Democratic Movement Europe & Latin Am, 55-66. U.S.A. 52-54. Polit. Sci. Asn; Acad. Polit. & Soc. Sci; Royal Econ. Soc. Politico-economic growth and development in less developed countries, especially on marketing and international investment. Publ: Co-auth, The frontiers in the region between the Baltic and the Black Seas, 60 Southern Lithuania in 1559, 64, privately published. Address: Via Casalmoferrato 33, 00182 Rome, Italy.

ZEMAN, DR. MORTON, b. Chicago, Ill, Nov. 7, 22; m. 57; ECONOMICS. B.A. Chicago, 43, M.A. 48, Ph.D.(econ), 55. Res. asst, Merrill Found. Adv. Financial Knowledge, 49-50; sales planning analyst, Toni Co, 55-57; mkt. res. mgt, Kitchens of Sara Lee, 57-58; supvr. econ. res, INT. BUS. MACH. CORP, 58-60, planning consult, 60-64, DIR. MKT. ANAL, 64- U.S.A. 43-46, Sgt. Econ. Asn; Statist. Asn; Mkt. Asn. Markets and marketing; economic and business forecasting; planning; manpower requirements; earnings and financial analysis; product and service requirements. Publ: Effect of the availability of funds, and the terms thereof, on business investment; Quantitative analysis of white-nonwhite income differentials in the United States. Address: International Business Machine Corp, Armonk, N.Y. 10504.

ZEMICK, DR. MAURICE J, b. St. Louis, Mo, Mar. 8, 24; m. 48; c. 4. CLINICAL PSYCHOLOGY. A.B. Washington (St. Louis), 47, Ph.D.(clin. psychol), 52. Staff clin. psychologist, Neuropsychiat. Clin. of St. Louis, Mo, 51-54; practicing clin. psychologist, 54-55; staff clin. psychologist, diag. & screening, U.S. Naval Training Center, 55-57; staff clin. psychologist, San Diego Day Treatment Center, State Dept. Ment. Health, Calif, 60-62; ASSOC. PROF. PSYCHOL, SAN DIEGO STATE COL, 63- Lectr, Washington (St. Louis), 52-55. Mem. staff, Labor Health Inst, 52-55; bur. blind, State Dept. Welfare, Mo, 53-55. Staff clin. psychologist, Jewish Hosp, 51-54, consult, sch. nursing, 52-53; private practice, 56-; consult, Calif. Youth Authority,

- 65-67; Calif. Dept. Voc. Rehab, 67- U.S.N.R. 42-46, Lt.(jg). Psychol. Asn; Orthopsychiat. Asn. Psychotherapy; psychodynamics of personality; individual and group therapies. Publ: Maternal attitudes of rejection and acceptance during and after pregnancy, Am. J. Orthopsychiat. Address: 2454 1/2 Fourth Ave, San Diego, Calif. 92101.
- ZEMPEL, DR. ARNOLD, b. Wis, Jan. 15, 02. INTERNATIONAL & LABOR ECONOMICS. Ph.B, Wisconsin, 27, M.A. 28, Ph.D. 34. Asst. prof. econ. & social, Allegheny Col, 31-35; econ. & statist, Washington (St. Louis), 35-40, assoc. prof, 40-42, 46; labor economist, War Labor Bd, Mo, 43; labor economist & admin. officer int. labor, U.S. Dept. Labor, 46-50, exec. dir. off. int. labor affairs, 50-59, dir. off. int. orgn. affairs, 59-60; labor attaché, Am. Embassy, U.S. Dept. State, Brussels, Belgium, 60-62; labor officer, U.S. Mission to NATO & European Regional Orgn, Paris, France, 62-63; DEP. COORDINATOR, INT. LABOR AFFAIRS, U.S. DEPT. STATE, 63- U.S.A, 43-45, Maj. Indust. Rels. Res. Asn. Address: 3000 Spout Run Pkwy, Arlington, Va. 22201.
- ZENNER, DR. WALTER FRANCIS, b. Holyoke, Mass, May 13, 25; m. 51; c. 7. SOCIOLOGY. A.B, Notre Dame, 50, M.A. 52; Ph.D.(sociol), Pennsylvania, 65. Instr. SOCIOL, CHESTNUT HILL COL, 52-57, asst. prof, 57-65, ASSOC. PROF, 65- Co-recipient, Pop. Coun. study grant, 63- U.S.N.R. 43-46. Sociol. Asn; Pop. Asn. Am; Acad. Polit. & Soc. Sci. The family; sociology of religion; social stratification. Address: Dept. of Sociology, Chestnut Hill College, Philadelphia, Pa. 19118.
- ZENNER, DR. WALTER P, b. Nurnberg, Germany, Oct. 18, 33; U.S. citizen; m. 66. ANTHROPOLOGY. B.S, Northwestern, 55; M.A, Columbia, 58, Nat. Inst. Ment. Health fel, 61-62, Ph.D, 65; M.H.L, Jewish Theol. Sem. Am, 60; fel, Harvard, 60-61. Instr. sociol. & anthrop, Lake Forest Col, 63-65, asst. prof, 65-66; ASSOC. PROF. ANTHROP, STATE UNIV. N.Y. ALBANY, 66- Shell Found. summer faculty fel, 65; summer fel, Res. Found. State Univ. N.Y, 67; res. assoc, Northwestern Univ. proj, Israel, 67-68. Consult, Am. Jewish Cmt, 67. Anthropol. Asn; Ethnol. Soc. Middle Eastern ethnology; culture change, intergroup relations and comparative religion. Publ: Sephardic communal organizations in Israel, Mid. East J, spring 67; Ethnic assimilation and corporate group, Sociol. Quart, summer 67; Syrian Jews in three social settings, Jewish J. Sociol, 6/68. Address: Dept. of Anthropology, State University of New York at Albany, Albany, N.Y. 12203.
- ZENTNER, DR. HENRY, b. Senate, Sask, Apr. 3, 20; m. 52. SOCIOLOGY. B.A, British Columbia, 49; A.M, Stanford, 50, Ph.D.(sociol), 53. Res. analyst, Royal Cmn. Agr. & Rural Life, Sask, 53-54; asst. prof. sociol, Pomona Col, 54-55; Long Beach State Col, 55-59; res. assoc, Oregon State, 59-60; ASST. PROF. SOCIOL, ALBERTA, 60- Can. Intel. C, 41-45. Sociol. Asn. Group morale; community structure and organization; sociology of religion. Publ: Morale, certain theoretical implications of data in the American soldier, Am. Sociol. Rev; Primary group affiliation and institutional group morale, Sociol. & Soc. Res; Toward a reconstruction of community theory, Alpha Kappa Deltan. Address: 823 Royal Ave, Calgary, Alta, Can.
- ZENTZ, BILL, b. Goshen, Ind, Apr. 20, 23; m. 45. ECONOMICS, FINANCE. B.A, Bowling Green State, 44; M.A, Michigan, 47, fel, 47-50, Ph.D. (econ), 52. Instr. econ, Michigan, 50-52; asst. prof, Southern Methodist, 52-55, assoc. econ, finance, 55-58, prof, 58-64, chmn. dept. finance, 58-61; v.pres. investments, BANK OF THE COMMONWEALTH, 64-67, EXEC. V.PRES. & ECONOMIST, 67- Assoc. economist, First Nat. Bank Dallas, 58-61; res. dir, Investment Bankers Asn; Am, 61-64. Consult. economist, Lone Star Gas Co, 55-58. Econ. Asn; Finance Asn. Address: Bank of the Commonwealth, Box 119, Detroit, Mich. 48226.
- ZERBOLIO, DR. D. J. JR, b. Carlinville, Ill, May 25, 37; m. 58; c. 1. PSYCHOLOGY. B.A, San Jose State Col, 61; M.A, Mich. State, 63, Ph.D.(psychol), 65. Spec. res. asst. PSYCHOL, Mich. State, 61-65; Nat. Inst. Ment. Health fel, California, Irvine, 65-66; ASST. PROF, MISSOURI, ST. LOUIS, 66- U.S.A, 56-58. AAAS; Psychol. Asn; Ecol. Soc. Am. Learning, comparative, and physiological psychology. Publ: Within strain facilitation and disruption of avoidance learning by picrotoxin, Psychonomic Sci, 67; Escape and approach responses in avoidance learning, 68 & Discriminated learning and reversal in the wheel train avoidance situation, 68, Can. J. Psychol. Address: Dept. of Psychology, University of Missouri, 8001 Natural Bridge Rd, St. Louis, Mo. 63121.
- ZERFOSS, DR. KARL P(EAK), Psychol, see 10th ed, Soc. & Behav. Vols.
- ZERLIN, DR. STANLEY, Exp. Psychol, Electrophysiol, see Suppl. V to 11th ed, Phys. & Biol. Vols.
- ZETTERBAUM, DR. MARVIN, b. New York, N.Y, July 22, 24; m. 48; c. 1. POLITICAL SCIENCE. B.A, St. John's Col.(Md), 50; M.A, Chicago, 55, Ph.D. 60. Res. assoc. world polit. & Russian for. policy, Am. Found. Polit. Ed, Ill, 52-54; lectr. lib. arts, univ. col, Chicago, 55-59, acting dir, 56, dir, 57-59; mem. res. team theory & res. behav. sci. div, Ford Found, 56-57; asst. prof. soc. sci, California, 60-61; polit. theory, CALIFORNIA, DAVIS, 61-66, ASSOC. PROF. POLIT. SCI, 66-, chmn. dept, 66-67. Am. Coun. Learned Socs. sr. fel, 66-67. U.S.A.A.F. 43-45, Sgt. Polit. Sci. Asn. Political philosophy of Alexis of Tocqueville; democratic theory. Publ: Readings in American foreign policy; Tocqueville and the problem of democracy, Stanford, 67; Tocqueville: neutrality and the use of history, Am. Polit. Sci. Rev, 9/64. Address: Dept. of Political Science, University of California, Davis, Calif. 95616.
- ZETTERBERG, PROF. HANS L(ENNART), b. Stockholm, Sweden, May 3, 27; m. 59; c. 3. SOCIOLOGY. M.A, Minnesota, 51; F.L, Uppsala, 52. Instr. SOCIOL, Uppsala, 51-52; Columbia, 53-54, asst. prof, 54-57, assoc. prof, 58-65; PROF. & CHMN. DEPT, OHIO STATE, 67- Sociol. Asn. Theoretical sociology; comparative social structures; opinion research. Publ: On theory and verification in sociology; Sociology in the United States of America; Social theory and social practice. Address: Dept. of Sociology, Ohio State University, 1775 S. College Rd, Columbus, Ohio 43210.
- ZICHY, PROF. MAURICE CZIKANN, b. Pozsony, Hungary, Dec. 18, 07; U.S. citizen. HISTORY, ECONOMICS. Ph.D, Innsbruck, 33; Dr. Oec, Budapest, 36. Asst. prof. econ, Budapest, 33-38; staff mem, Hungarian Ministry For. Affairs Econ. Planning Bd, 39-45, head, 45-47; res. assoc, Mid. European Student Center, 52-54; assoc. prof. econ. & hist, IMMACULATA COL, 56-67, PROF. ECON, 67- Ford Found. res. grant, 63; lectr, St. Joseph's Col.(Pa), 67. Hist. Asn. Structure and activity of Communist economic systems; economic history of Central Eastern European area; development of European economy. Publ: Europe, Free Europe Cmt, 54; Short history of Hungary, Olten Verlag, 56; Turmoil in South Tyrol, Exposition, 61. Address: Dept. of Economics, Immaculata College, Immaculata, Pa. 19345.
- ZICKEFOOSE, PROF. PAUL W, b. Wichita, Kans, June 13, 18; m. 39; c. 3. ECONOMICS. A.B, Seattle Pac. Col, 39; M.A, Washington (Seattle), 49; Ph.D, Kansas, 54. Asst. prof. soc. sci, Cent. Col.(Kansas), 47-51; from asst. to assoc. res. economist pop. income, bur. bus. res, Kansas, 51-54; assoc. prof. ECON, NEW MEXICO STATE, 54-64, PROF. & DEPT. HEAD, 64-, ECONOMIST, HWY. ECON. IMPACT, ENG. EXP. STA, 64-, assoc. economist, 58-64. Participant, seminar, grad. sch. bus, Chicago, 61, Stanford, summer, 66. U.S.N, 44-46, Res, 46-51, Lt.(jg). Econ. Asn. Business fluctuations; money and banking; economic impact of interstate highway upon business, land value and use in cities or on roadside businesses; state income estimates; population migration differentials in interstate movements by decades. Publ: Kansas income payments, 1900-1953; Highway economic impact studies in urban communities of New Mexico: problems and methods; Population and the labor force, In: Economic development in southwestern Kansas. Address: New Mexico State University, Box 3182, University Park, Las Cruces, N.Mex. 88001.
- ZIDNAK, PROF. PETE, b. Ohio, July 14, 17; m. 47. BUSINESS ADMINISTRATION, HUMAN RELATIONS. B.S, Loyola (Calif), 49; M.A, Southern California, 50, scholar, 53, Ph.D.(econ), 55. Asst. prof. econ, Ariz. State Col. (Tempe), 50-56; economist, Stanford Res. Inst, 56-57; from assoc. prof. to PROF. BUS, SAN JOSE STATE COL, 57- Fel, Columbia, 55; Danforth Found. fel, Northwestern, 55; Found. for Econ. Ed. fel, 56. AAAS; Econ. Asn; Finance Asn. Consumer credit; manpower—human resources. Publ: Arizona's small loan problem. Address: School of Business, San Jose State College, San Jose, Calif. 95114.
- ZIEBER, PROF. GEORGE HENRY, b. Lang, Sask, Apr. 11, 30; m. 57; c. 3. GEOGRAPHY. B.Ed, Alberta, 57, B.A, 58; M.A, Toronto, 61. Teacher, pub. schs, Alta, 50-52, 53-55; high sch, Ont, 61-62; geogr.-analyst, Ont. Dept. Hwy, 62-64; lectr. GEOG, Lethbridge Jr. Col, 64-67; ASST. PROF. & ACTING CHMN. DEPT, LETHBRIDGE, 67- Can. Asn. Geog; Asn. Am. Geog. Urban geography, the central business district. Publ: Toronto's central business district, T. Eaton Co. Ltd, Toronto, 61; Napanee, Oshawa, Penetanguishene & Timmins, In: Encyclopedia Americana, 61. Address: Dept. of Geography, University of Lethbridge, Lethbridge, Alta, Can.
- ZIEGENHAGEN, DR. EDUARD A, b. Milwaukee, Wis, July 4, 35; m. 60; c. 2. POLITICAL SCIENCE. B.S, Wisconsin, 57, M.S, 59; Ph.D.(polit. sci), Illinois, 64. Instr. POLIT. SCI, Skidmore Col, 61-64; ASST. PROF, WAYNE STATE, 65-, summers, faculty fel, 67 & fel, center urban studies, 68. Nat. Sci. Found. summer res. grant, 65; mem, Ford Found-N.Y. State Legis. Internship Prog, 65-66. U.S.A, 1st Lt. Polit. Sci. Asn. Political sociology, especially small group theory; political socialization and leadership. Publ: The role of political scientists in the reconceptualization of legal systems and processes, In: The allocation of justice, Little, 68. Address: Dept. of Political Science, Wayne State University, Detroit, Mich. 48202.
- ZIEGLER, PROF. B(ENJAMIN) M(UNN), b. Boston, Mass, Sept. 24, 08; m. 42. POLITICAL SCIENCE. A.B, N.Y. Univ, 28; LL.B, Harvard, 31, A.M, 33, Ph.D, 35; hon. M.A, Amherst Col, 52. Asst. govt, Harvard, 32-35; instr, Ohio State, 35-36; asst. prof, Elmira Col, 36-38; POLIT. SCI, AMHERST COL, 38-46, assoc. prof, 46-52, prof, 52-53, BERTRAND SNELL PROF, 53- Fulbright lectr, Univ. Vienna, 65-66. Mem, Draft Bd, Hampshire County, Mass. U.S.A, 41-46, Capt. Polit. Sci. Asn; Soc. Int. Law; Arbit. Asn. Constitutional and international law. Publ: Desegregation and the Supreme Court, 58, The Supreme Court and American economic life, 62; Communism, the courts and the constitution, 64. Address: 52 Orchard St, Amherst, Mass. 01002.
- ZIEGLER, DR. JESSE H(UNSBARGER), b. Limerick, Pa, Jan. 7, 13; m. 39; c. 1. PSYCHOLOGY. A.B, Bridgewater Col, 35, D.D, 58; M.A, Catholic Univ, 37, Ph.D.(psychol), 42; B.D, Bethany Biblical Sem, 44; Cert. in child study, Chicago Inst. Psychoanal, 59. From assoc. prof. to prof. psychol. & Christian ed, Bethany Biblical Sem, 41-59; assoc. dir, AM. ASSN. THEOL. SCHS, 59-66, EXEC. DIR, 66-, ED. THEOL. ED, 64- Vis. lectr, divinity sch, Yale, 54-55; vis. prof, Evangelical Theol. Sem, 56. Consult, for. mission cmn, Gen. Brotherhood Bd, Church of the Brethren, 51-59. Mem. bd. & exec. cmt, Fund Theol. Ed, 66- Dipl. Am. Bd. Exam. Prinf. Psychol. Psychol. Asn. Christian education; psychology of personality; counseling psychology of group relations. Publ: Psychology and the teaching church, Abingdon, 62; Focus on adults, Brethren, 65; A socio-psychological study of a changing rural culture. Address: 1720 Burroughs Dr, Dayton, Ohio 45406.
- ZIEGLER, DR. RAYMOND JOHN, b. Toledo, Ohio, Aug. 28, 22; m. 55; c. 1. MANAGEMENT. B.B.A, Toledo, 46, M.B.A, 48; scholar, Florida, 49-52, Ph.D, 57. Teaching fel, Toledo, 49-52; asst. prof. mgt, North Dakota, 52-54; Marquette, 54-55; assoc. prof, Washington State, 55-58; Kent State, 58-60; Illinois, 60-64; prof, Merrimack Col, 64-66; CLEVELAND STATE, 66-68, ASSOC. DEAN COL. BUS. ADMIN, 68- Vis. prof, Oregon, 62-63; Northwestern, 66-67. Econ. Asn; Acad. Mgt; Soc. Adv. Mgt; Statist. Asn. Production management; policies and decision making. Publ: Co-auth, Managing the industrial concern, Houghton, 63; auth, Current cases in business, C.E. Merrill, 64; Business policies and decision making, Appleton, 68. Address: Dept. of Management, Cleveland State University, Cleveland, Ohio 44115.
- ZIELONKA, DR. WILLIAM A, b. Cincinnati, Ohio, Apr. 8, 20; div; c. 3. PSYCHOLOGY. B.A, Pa. State, 42; Ph.D, Chicago, 51; Nat. Psychol. Asn. Psy-

choanal, 53-56. Clin. psychologist, Vet. Admin. Hosp, Richmond, Va, 51-52, Vet. Admin. Clin, Baltimore, Md, 52-53; private practice, 53-59; psychoanalyst, Hunt Foods & Indus, Inc, Calif, 59-64; PARTNER, PSYCHOL. SERV. ASSOCS, 64- Lectr, grad. sch. bus, California, Los Angeles, 65- Consult, Mt. Vernon Jr. Col. & Sem, 53-55; Big Brother League Orange County, 60-; training consult, Cedars-Sinai Hosps, Los Angeles, 63-; consult, Hunt Foods & Indus, Calif, 64-; Esalin Inst, Big Sur Hot Springs, Calif, 65-; Play Mt. Place, Los Angeles, 67-; Topanga Human Develop. Center, Calif, 68- Mem, Coun. Psychoanal. Psychother. U.S.A.A.F, 42-46, 1st Lt. Psychol. Asn; Orthopsychiat. Asn; Acad. Psychother. Psychoanalysis of socially productive persons, including managers, leaders and decision-makers; work community growth processes; body image and language; humanistic existential therapy. Address: 1314 Westwood Blvd, Los Angeles, Calif. 90024.

ZIERER, PROF. CLIFFORD M (AYNARD), b. Batesville, Ind, July 4, 98; m. 25; c. 2. GEOGRAPHY. A.B. Indiana, 22, A.M. 23; fel, Chicago, 23-25, Ph.D.(geog), 25. Asst. GEOG, Indiana, 22-23; Chicago, 23-25; asst. prof, CALIFORNIA, LOS ANGELES, 25-36, assoc. prof, 36-45, prof, 45-65, chmn. dept, 42-49, EMER. PROF, 65- Lectr, Calif. State Col. Long Beach, 65-Geog. Soc; Asn. Am. Geog. (v-pres, 48); Coun. Geog. Ed. Economic, historical and urban geography; regional geography of Anglo-America and Australia; conservation of natural resources. Publ: Ed, California and the Southwest. Address: 12727 Highwood St, Los Angeles, Calif. 90049.

ZIGLER, PROF. EDWARD F (RANK), b. Kansas City, Mo, Mar. 1, 30; m. 55. DEVELOPMENTAL PSYCHOLOGY. B.A. Univ. Kansas City, 54, M.A. 59; fel, Texas, 56-57, Ph.D.(clin. psychol), 58; U.S. Pub. Health Serv. fel, 57-58; hon. M.A. Yale, 67. Asst. prof. PSYCHOL, Missouri, 58-59; YALE, 59-63, assoc. prof, 63-67, PROF, 67- Consult, U.S. Off. Ed, 67- Mem, training rev. cmt. child develop. & ment. retardation, Nat. Inst. Child Health & Human Develop, 67-; nat. steering cmt, Proj. Head Start, Off. Econ. Opportunity, 67-; nat. planning cmt, Proj. Follow-Through, Off. Ed, 67; adv. bd, ERIC Clearinghouse Early Childhood Develop, 67- Motivational determinants in children's performance; effects of social deprivation; application of developmental concepts to psychopathology; problems of theory construction. Publ: Co-auth, The effectiveness of adult and peer reinforcement on the performance of institutionalized and noninstitutionalized retardates, J. Abnorm. Psychol, 67, Cognitive challenge as a factor in children's humor appreciation, J. Personality & Soc. Psychol, 67 & Motivational factors and IQ changes in culturally deprived children attending nursery school, Child Develop, 68. Address: Dept. of Psychology, Yale University, 333 Cedar St, New Haven, Conn. 06510.

ZIGLER, PROF. MICHAEL J (ACOB), Psychol, see 10th ed, Soc. & Behav. Vols, deceased 65.

ZIKMUND, DR. JOSEPH, II, b. Chicago, Ill, Dec. 3, 37; m. 61. POLITICAL SCIENCE. B.A. Beloit Col, 59; M.S. Wisconsin, 61; Ph.D.(polit. sci), Duke, 65. Instr. POLIT. SCI, Duke, 64-65; ASST. PROF, TEMPLE, 65- Res. assoc, Inter-Univ. Consortium Polit. Res, summer 65. Polit. Sci. Asn. Political parties; political communications; suburban voting behavior; research methodology. Publ: Co-auth, Reading guide in politics and government, Nat. Coun. Soc. Studies, 66; auth, A comparison of political attitude and activity patterns in central cities and suburbs, Pub. Opinion Quart, spring 66; Suburban voting in presidential elections: 1948-1964, Midwest J. Polit. Sci, spring 67. Address: Dept. of Political Science, Temple University, Philadelphia, Pa. 19122.

ZILAITIS, DR. VICTOR, b. Norwood, Mass, Jan. 16, 21; m. 46; c. 2. CLINICAL PSYCHOLOGY, CRIMINOLOGY. A.B. Indiana, 49; A.M. Boston, 51, Ph.D.(clin. psychol), 60. Intern clin. psychol, Norman M. Beatty Mem. Hosp, 51-52, psychologist, 52-53; trainee v. counseling, Brockton & Rutland Vet. Admin. Hosps, 54-56; acting dir. treatment, Mass. Correctional Inst, Walpole, 56-59; coordinator ment. health, parole clin, Div. Legal Med. & Ment. Health, Boston, 59-60; chief psychologist, maximum security div, Norman M. Beatty Mem. Hosp, 60-63; INDIAN RIVER MENT. HEALTH CENTER, 67-68, EXEC. DIR, 68- Acting chief psychologist, Adult & Child Guid. Clin, Michigan City, 61-63; instr, exten. div, Indiana, 61-63; private practice, 63- U.S.A., 42-45. Psychol. Asn; Soc. Correctional Psychol; fel. Soc. Proj. Tech. Psychodynamics and treatment methods with the criminally ill; self-concept research; group psychotherapy. Address: Indian River Mental Health Center, Ft. Pierce, Fla. 33450.

ZILLER, PROF. R (OBERT) C (HARLES), b. Escanaba, Mich, Jan. 28, 24; m. 47; c. 3. PSYCHOLOGY. B.A. North. Mich. Col, 47; M.A. Michigan, 48, Ph.D. 56. Teacher, pub. schs, Ore, 48-49; asst. psychol, Michigan, 49-51; res. psychologist, U.S. Dept. Air Force, 51-55; res. prof. PSYCHOL, Delaware, 55-66; PROF, OREGON, 66- U.S.A., 43-45. Psychol. Asn; Psychomet. Soc. Decision making; group composition changes; perception; self-other orientation; conflict. Address: Dept. of Psychology, University of Oregon, Eugene, Ore. 97403.

ZIMBARDO, DR. PHILIP GEORGE, b. New York, N.Y., Mar. 23, 33; m. 57. PSYCHOLOGY. A.B. Brooklyn Col, 54; M.S. Yale, 55, U.S. Pub. Health Serv. fel, 57-58, Ph.D. 59. Psychol. trainee, W. Haven Vet. Hosp, 58-59; asst. prof. PSYCHOL, Yale, 59-60; N.Y. Univ, 60-63, assoc. prof, 63-68; PROF, STANFORD, 68- Vis. prof, Columbia, 67-68. Acad. ed, Scott Foresman & Co, 66-67. AAAS; Psychol. Asn; N.Y. Acad. Sci; Int. Cong. Psychol. Social psychology; communication and attitude change; group dynamics; problems in exploratory and sexual behavior. Publ: Cognitive control of motivation, Scott, 68. Address: Dept. of Psychology, Stanford University, Stanford, Calif. 94305.

ZIMET, PROF. CARL N (ORMAN), b. Vienna, Austria, June 3, 25; nat; m. 50; c. 2. PSYCHOLOGY. B.A. Cornell, 49; fel, Syracuse, 52-53, Ph.D.(psychol), 53. Fel. & psychol. intern, Stanford, 53-55; clin. psychologist, Vet. Admin. Hosp, 55-56; instr, psychiat. & psychol, Yale, 56, asst. prof, 56-63, chief, clin. psychol. serv, 60-63; assoc. prof. PSYCHOL, SCH. MED, COLORADO, 63-65, PROF, 65- HEAD DIV, 63- Consult, Vet. Admin. Hosp. & Conn. State Hosp, 56-63. U.S.N., 43-46. Psychol. Asn. Authoritarian personality; personality changes with group psychotherapy; perceptual changes under stress. Publ: Co-auth, An ego psychological approach to character assess-

ment, Macmillan, 64 & Interpretation of psychological tests, Harper, 68; auth, Role of anxiety in psychodiagnosis, J. Clin. Psychol. Address: Division of Psychology, University of Colorado School of Medicine, 4200 E. Ninth Ave, Denver, Colo. 80220.

ZIMMAR, DR. GEORGE PETER, b. Chicago, Ill, Dec. 31, 37. PHYSIOLOGICAL PSYCHOLOGY. B.S. Roosevelt, 60, M.A. 61; Ph.D.(psychol), State Univ. N.Y. Buffalo, 66. ASST. PROF. PSYCHOL, GRINNELL COL, 65- Vis. scientist, regional primate res. center, Washington(Seattle), summer 67. AAAS. Brain mechanisms underlying fear motivated behavior in mammals; effects of early brain lesions on primate behavior; behavioral parameters underlying avoidance behavior. Publ: Co-auth, Behavioral adaptations after parietal cortex ablation in the neonate macaque, Res. Biol. Psychiat, 62. Address: Dept. of Psychology, Grinnell College, Grinnell, Iowa 50112.

ZIMMER, PROF. BASIL G (EORGE), b. Smith Creek, Mich, June 29, 20; m. 42; c. 2. SOCIOLOGY. B.A. Michigan, 47, fel, 48-50, M.A. 49, Ph.D.(sociol), 54; fel, Human Resources Res. Inst, U.S. Dept. Air Force, 52-53. Asst. State Dept. Corrections, Mich, 48; instr, Eastern Michigan, 50-51; Michigan, 51-52; asst. prof, Fla. State, 52-53; lectr. sociol. & resident dir. soc. sci. res. proj, Michigan, 53-59; PROF. SOCIOL, BROWN, 59-; DIR. NAT. STUDY RESISTANCES TO REORGN. LOCAL GOVT. & SCH. DIST. IN METROP. AREAS, 59- Consult, Metrop. Area Probs, Flint, Mich; Urban Renewal Gen. Plan, 62-63; div. Voc. Rehab-Spec. Sch. Proj, 64-68; demog. training center, Univ. Kerala, 64. U.S.A., 41-45. Sociol. Asn; Pop. Asn; Int. Union Sci. Study Pop. The ecology of American social structure; population; ecology. Publ: Rebuilding cities: the effects of displacement and relocation in small businesses, Quadrangle, 64; Metropolitan area schools: resistance to district reorganization, Sage, 68; Farm background and urban participation, Am. J. Sociol. Address: Dept. of Sociology, Brown University, Providence, R.I. 02912.

ZIMMER, DR. HERBERT, Psychol, see 10th ed, Soc. & Behav. Vols.

ZIMMERMAN, ALICE, b. Venango Co, Pa, Jan. 18, 99; m. 28; c. 1. PSYCHOLOGY. A.B. Ball State Teachers Col, 21; A.M. Columbia, 23. Asst. prof. psychol, Ball State Teachers Col, 23-26, 27-28, instr. math, 43-44; teacher & dean, St. Mary's Sem, 44-46; adj. prof. psychol, Randolph-Macon Woman's Col, 46-47; asst. prof, Lynchburg Col, 47-48; women's col, North Carolina, 48-56; teacher, Wash. High Sch, East Chicago, 56-65; Highland Jr. High School, Ind, 66-67; RETIRED. Nat. Ed. Asn. Address: 2817 Westbrook Dr, Apt. 307, Ft. Wayne, Ind. 46805.

ZIMMERMAN, PROF. CARLE C (LARK), b. Raymore, Mo, Apr. 10, 97; m. 25; c. 3. SOCIOLOGY. A.B. Missouri, 21; M.S. N.C. State Col, 23, D.Sc. 42; Chicago, 23; Ph.D. Minnesota, 25; hon. M.A. Harvard, 41. Instr. econ. & sociol, Minnesota, 23-25, asst. prof. SOCIOL, 25-28, assoc. prof, 28-30; Harvard, 31-63; prof, Istanbul, 63-64; DISTINGUISHED PROF, N.Dak. State, 64-67; SASKATCHEWAN, 67- Vis. res. prof, Europe, 38-39; Fulbright res. vis. prof, Rome, 54-55; distinguished vis. lectr, Emory, 56; Fulbright lectr, univ. of Peru, 59-60. Adv. in agr. & rural life, govt. Thailand, 30-31; conserv. consult, U.S. Dept. Forestry, 37-45; President's Cmn. Water Resources Policy, 50; Royal Cmn. Agr, Sask, Can, 53. Ed, Sociologia Internationalis. Fel, Int. Inst. Sociol, v-pres, 63- Distinguished alumni award, Westminster Col.(Mo), 67. U.S.A., 18-19, 41-44, Maj. AAAS; Sociol. Asn; Am. Acad. Arts & Sci; Rural Sociol. Soc.(pres, 59). Family; social change; sociological theory. Publ: Family and civilization; New sociology (in Turkish), Univ. Istanbul, 64; co-auth, Symposium on the Great Plains, N.Dak. Regional Coun, Fargo, 67. Address: R.F.D. 2, Box 180, Laconia, H.H. 03246.

ZIMMERMAN, DR. CHARLOTTE, b. Chiangmai, Siam, Dec. 28, 30; U.S. citizen. SOCIOLOGY, ANTHROPOLOGY. A.B. Radcliffe Col, 52; M.A. La. State, 56; fel, St. Louis, 56-59, grad. sch. grant, 58-59, Ph.D. 60; Res. Coun. grant, Detroit, 59-60. Asst. SOCIOL, La. State, 54-56; instr, California, 59-60; ASST. PROF, DETROIT, 60- Orgn. Am. States res. fel, 61-62; Reim Found. res. grants, inst. sci, Munich, 66-67. Sociol. Asn; Int. Inst. Sociol. Sociological theory; Maya civilization and present culture, especially conflict and amalgamation of religious cults with Christianity; epistemological examination of sociology as a science and its relationship to philosophical problems of moral order. Publ: The cult of the holy cross: an analysis of cosmology and Catholicism in Quintana Roo, In: History of religions, Univ. Chicago, summer 63; The Maya cult of the holy cross, Numen, summer 65. Address: Dept. of Sociology & Social Work, University of Detroit, 4001 W. McNichols Rd, Detroit, Mich. 48221.

ZIMMERMAN, CLARK E (UGENE), b. Galion, Ohio, Mar. 28, 15; m. 42; c. 1. STATISTICS, MARKETING. A.B. Heidelberg Col, 38; M.B.A. Ohio State, 39. Sales & mkt. analyst, Standard Register Co, 40-42; lectr. econ, Omaha, 44-45; Ohio State, 46-47; chief admin. sect. res. div, Vet. Admin, 46-48; asst. prof. statist, Western Reserve, 48-54; dir. res, McCann-Erickson, Inc, 52-58; Lang, Fisher & Stashower, Inc, Cleveland, 58-66; PRES. MKT, CLARK ZIMMERMAN & ASSOCS, 66- Mem, gov. econ. adv. coun, State Ohio; bus. adv. coun, col. bus. admin, Kent State. U.S.A., 42-46, Maj. Statist. Asn; Mkt. Asn. Marketing research; advertising research; statistics. Address: 3666 Lynnfield Rd, Shaker Heights, Ohio 44122.

ZIMMERMAN, DR. DON H, b. Los Angeles, Calif, Oct. 16, 37; m. 61; c. 2. SOCIOLOGY. B.A. California, Los Angeles, 61, M.A. 63, fel, 63-64, Nat. Sci. Found. fel, 64-65, Ph.D.(sociol), 66. Acting asst. prof. SOCIOL, CALIFORNIA, SANTA BARBARA, 65-66, ASST. PROF, 66- Air Nat. Guard, 55-61; U.S.A.R., 61-64. Sociol. Asn; Soc. Study Social Probs. Ethnomethodology. Publ: Tasks and troubles: the practical bases of work activities in a public assistance agency, In: Explorations in sociology and counseling, Houghton, (in press); The practicalities of rule use, In: Contributions to ethnomethodology, Indiana Univ, (in press). Address: Dept. of Sociology, University of California, Santa Barbara, Calif. 93106.

ZIMMERMAN, DR. DONALD W (ILSON), b. New Albany, Ind, June 27, 31. EXPERIMENTAL PSYCHOLOGY. A.B. Indiana, 52; A.M. Illinois, 56, Ph.D. 58. Res. fel. PSYCHOL, Washington (Seattle), 58-60; asst. prof, Peabody Col, 60-64; ASSOC. PROF, East Carolina, 64-67; CARLETON (CAN), 67- U.S.A., 53-55. AAAS; Psychol. Asn. Learning; behavior theory; philosophy

- of science; test theory. Publ: Durable secondary reinforcement: method and theory, *Psychol. Rev.*; Sustained performance in rats based on secondary reinforcement, *J. Comp. & Physiol. Psychol.*; Dependence of test reliability upon heterogeneity of individual and group score distributions, *Ed. & Psychol. Measurement*, 68. Address: Dept. of Psychology, Carleton University, Ottawa 1, Ont, Can.
- ZIMMERMAN, DR. IRLA LEE (MRS. JAMES L. OETZEL), b. Madison, Wis., Oct. 6, 23; m. 50. CLINICAL PSYCHOLOGY. A.B. California, Los Angeles, 44, M.A., 47, Ph.D. (clin. psychol.), 53. Res. psychologist, clin. psychol. Children's Home Soc., Los Angeles, Calif., 48-51; Southern California, 52-53 CONSULT, med. center, California, Los Angeles, 53-63; LOS ANGELES MENT. HEALTH DEPT., 63- Private practice, 52-; lectr., California, Berkeley, 68. Consult, Calif. State Dept. Ed., 58-63. Dipl. Am. Bd. Exam. Prinf. Psychol., 58. Psychol. Asn; Soc. Proj. Tech; Asn. Ment. Deficiency; Asn. Marriage Counsr; Orthopsychiat. Asn. Psychological aspects of brain damage; identification of emotionally disturbed school children; projective techniques. Publ: Co-auth, Clinical interpretation of the W.I.S.C., Grune, 67; Psychological evaluation in schools and clinics, C.C. Thomas, 69; Relationship between individual psychological tests and school screening procedures for the identification of emotionally disturbed children. Address: Bank of America Bldg, Whittier, Calif. 90601.
- ZIMMERMAN, DR. ISAAH MORRIS, b. Vladivostok, Russia, Nov. 11, 28; U.S. citizen; m. 54; c. 2. PSYCHOLOGY. B.A. California, Berkeley, 51, M.S.W., 53; Ph.D. (clin. psychol.), Catholic Univ., 67. Psychiat. soc. worker, Air Force Hosp., Lackland Air Force Base, Tex., 53-56, adminstr. soc. work & clin. psychol., Off. Surgeon Gen., U.S. Air Force, D.C., 56-59, chief psychol. sect., Air Force Hosp., Andrews Air Force Base, 63-66; ASSOC. DIR., McLEAN GUID. CENTER, Va., 66- Dean group psychother. training prog., Wash. Sch. Psychiat., 67- Mem. behav. sci. study sect, nat. adv. ment. health coun, Nat. Insts. Health, 56-58; consult, ment. health serv., Gallaudet Col., 63-66; Jewish Soc. Serv. Agency, D.C., 65-67; Md. Inst. Children, Vet. Admin. Hosp., D.C. & Family Serv. Montgomery County, Md., 65-; U.S. Air Force, 67-; Arlington County Sch. Bd., Va., 67- U.S.A.F., 53-66, Maj. Psychol. Asn; fel. Group Psychother. Asn; Anthropol. Asn; Acad. Psychother.; fel. Orthopsychiat. Asn; Nat. Asn. Social Workers; Personnel & Guid. Asn. Individual, group and family psychotherapy; training methods in psychotherapy and consultation skills; uses of group dynamics in organizational process. Address: 5323 Potomac Ave. N.W., Washington, D.C. 20016.
- ZIMMERMAN, DR. JOSEPH, Exp. Psychol., see 11th ed, *Phys. & Biol. Vols.*
- ZIMMERMAN, PROF. J(OSEPH) F(RANCIS), b. Keene, N.H., June 29, 28. GOVERNMENT. B.A. New Hampshire, 50; Maxwell scholar, 50-51; M.A., Syracuse, 51, D.S.S., 54. Instr. econ. Worcester Polytech., 54-55, asst. prof. govt. & bus., 55-57, assoc. prof., 57-62, prof. govt., 62-65; PROF. POLIT. SCI. & DIR. LOCAL GOVT. STUDIES CENTER, GRAD. SCH. PUB. AFFAIRS; STATE UNIV. N.Y. ALBANY, 65- Consult, cmt. local finance, N.Y. State Assembly, 67. Staff dir., N.Y. State Joint Legis. Cmt. Mass Transportation, 67- U.S.A.F., 51-53, Lt. Acad. Polit. & Soc. Sci; Polit. Sci. Asn; Soc. Pub. Admin; Int. City Mgr. Asn. Municipal government; metropolitan areas, especially governmental structure; metropolitan councils of governments; state agencies for local affairs; air pollution abatement; transportation. Publ: State and local government, Barnes & Noble, 62; Massachusetts town meeting: a tenacious institution, *Grad. Sch. Pub. Affairs, State Univ. N.Y. Albany*, 67; Government of the metropolis, *Holt*, 68. Address: Graduate School of Public Affairs, State University of New York at Albany, 179 Part-ridge St, Albany, N.Y. 12203.
- ZIMMERMAN, DR. MURIEL, b. New York, N.Y., Aug. 17, 20; m. 52; c. 2. PSYCHOLOGY. B.A., Brooklyn Col., 41; scholar, New Sch. Soc. Res., 41-44, D.S.Sc., 44. Lectr. psychol., Brooklyn Col., 44-46, instr., 46-50; CONSULT. PSYCHOL., 50- Psychol. Asn; Nat. Psychol. Asn. for Psychoanal. Psychotherapy and psychoanalysis. Publ: Experiments on dimensional and figural problems in the clay and pencil reproductions of line figures by young children, *J. Genetic Psychol.* Address: 55 E. 86th St, New York, N.Y. 10028.
- ZIMMERMAN, DR. WAYNE S(EATON), b. Davison, Mich., Jan. 10, 16; m. 42; c. 2. PSYCHOLOGY. Ph.D. (psychomet), Southern California, 49. Dir. testing & instr. psychol., Brandeis, 49-53; test officer & asst. prof., San Diego State Col., 53-56; human factors scientist, Syst. Develop. Corp., 56-61; PROF. PSYCHOL. & TEST OFFICER, CALIF. STATE COL. LOS ANGELES, 61- Consult, aptitude res. proj., Southern California, 61-64; Col. Planning Center, Los Angeles, 61-65; Personnel Factors, Inc., Redondo Beach, 61-; Ed. & Indust. Testing Serv., 61-; Interpersonal Res. Inst., 65-; Ed. Res. Assocs., 65- U.S.A.A.F., 42-45, Sgt. Psychol. Asn; Psychomet. Soc; Soc. Multivariate & Exp. Psychol. Psychological test construction and analysis; multivariate methods of analysis; research design. Publ: A sample graphical method for orthogonal rotation of axes & A revised orthogonal rotational solution for Thurstone's original primary mental abilities test battery, *Psychometrika*; co-auth, Fourteen dimensions of temperament, *Psychol. Monogr.* Address: 3848 Berry Dr, Studio City, Calif. 91604.
- ZIMMERMAN, DR. WILLIAM A(UGUST), Clin. Psychol., see 10th ed, *Soc. & Behav. Vols.*
- ZIMMERMAN, DR. WILLIAM B(ENJAMIN), b. Chicago, Ill., Dec. 26, 40. PSYCHOLOGY. A.B., Chicago, 63, Ph.D. (sleep, dreams), 67. Res. asst. dept. psychol., Chicago, 62-63, dept. psychiat., 63-66; ASST. PROF. PSYCHOL., BROOKLYN COL., 67- City Univ. New York res. grant, 68-69. Asn. Psychophysiol. Study Sleep. Psychological and physiological differences between light and deep sleepers, *Psychophysiology*, 1/68. Address: Dept. of Psychology, Brooklyn College, Brooklyn, N.Y. 11210.
- ZIMMERMAN, WILLIAM E(DWARD), b. Indianapolis, Ind., Oct. 6, 14; m. 40; c. 2. ECONOMICS. A.B., Chicago, 36. Asst. State Tax Cmn, Ill., 38-41; sr. economist, STATE DEPT. COMMERCE, N.Y., 41-46, assoc. economist, 46, prin. economist, 46-48, dir. bur. bus. res., 48-59, asst. dep. cmnr., 59-66, DEP. CMNR, 66- Ed. N.Y. State Commerce Rev. U.S.A., 43-46. Econ. Asn; Statist. Asn. Regional economics; public finance. Address: 1575 New Scotland Rd, Slingerlands, N.Y. 12159.
- ZIMMERMANN, PROF. FREDERICK L(LOYD), b. Brooklyn, N.Y., July 28, 06; m. 33; c. 2. POLITICAL SCIENCE. A.B., Columbia, 28, A.M., 30. Mem. state legis., N.Y., 30-36; PROF. POLIT. SCI., HUNTER COL., 59- Consult, State Dept. Ed., N.Y., 66. Chmn. drafting cmt., Interstate Adv. Cmt., Susquehanna Basin, 66 & co-chmn., Pot. Basin, 66. American government; inter-governmental relations; interstate compacts. Publ: Co-auth, The interstate compact since 1925; The law and use of interstate compacts; Interstate compacts, In: *Book of the States, Coun. State Govt.* Address: Dept. of Political Science, Hunter College, 68th St. & Park Ave., New York, N.Y. 10021.
- ZIMMERMANN, PROF. ROBERT R., b. Jersey City, N.J., Apr. 3, 30; m. 54; c. 2. PSYCHOLOGY. B.S., Lawrence, 53; M.A., Lehigh, 55; Ph.D. (psychol.), Wisconsin, 58. Asst. prof. PSYCHOL., Cornell, 59-64, assoc. prof., 65-67; PROF., MONTANA, 67-, vis. lectr., 66-67. Nat. Inst. Ment. Health grants, 60-66; Nutrit. Found. grant, 68-71. Experimental, developmental, educational and comparative psychology; primatology; development of learning and perception in the infant primate; alcoholism and problems in alcohol; nutrition and behavior. Publ: Co-auth, Ontogeny of learning, In: *Behavior of nonhuman primates*, Academic, 65; auth, Analysis of discrimination learning in the infant monkey, 60 & Form generalization in the infant monkey, 61, *J. Comp. & Physiol. Psychol.* Address: Dept. of Psychology, University of Montana, Missoula, Mont. 59801.
- ZIMNY, PROF. GEORGE H(ENRY), b. Chicago, Ill., Feb. 6, 26; m. 48; c. 3. PSYCHOLOGY. M.A., Loyola (Ill.), 49; Ph.D. (psychol.), Minnesota, 52. Asst. prof. psychol., Marquette, 52-58, assoc. prof., 58-64; PSYCHOL. IN PSYCHIAT., SCH. MED., ST. LOUIS, 64-67, PROF., 67-, CHIEF SECT. HUMAN BEHAV., DEPT. NEUROL. & PSYCHIAT., 67- U.S. Pub. Health Serv. trainee psychophysiol., sch. med., Washington (St. Louis), 62-64. AAAS; Psychol. Asn; Soc. Psychophysiol. Res; Asn. Am. Med. Colls. Human learning, retention and motivation; experimental design; medical education, especially clerkships and factors influencing choice of medical specialty. Publ: Method in experimental psychology, Ronald, 61; Effects of music upon GSR of depressives and schizophrenics, *J. Abnorm. & Soc. Psychol.*; co-auth, Effects of pediatric, obstetric, and psychiatric clerkships upon clinical judgement in psychiatry, *Arch. Gen. Psychiat.*, 67. Address: Dept. of Neurology & Psychiatry, St. Louis University School of Medicine, 1221 S. Grand Blvd., St. Louis, Mo. 63104.
- ZINAM, DR. OLEG, b. Kharkov, Ukraine, Sept. 29, 18; U.S. citizen; m. 49; c. 2. ECONOMICS, SOCIOLOGY. B.S., Mil. Acad. Belgrade, Yugoslavia, 39; B.S., Xavier (Ohio), 58, M.B.A., 58; Ph.D. (econ. sociol., mkt), Cincinnati, 63. Instr. math., Parsch Refugee Camp, Salzburg, Austria, 45-46; registr. & chief clerk, Int. Refugee Orgn., Klagenfurt, 47-49; transl. & ed., Lutsch, daily news bull. for refugees, 50-52; bank clerk, Cent. Trust Co., Ohio, 52-56; acct., Procter & Gamble Co., 56-63, res. analyst, 63-65; ASST. PROF. ECON., CINCINNATI, 65-, adj. asst. prof., 63-65. Lectr. mod. lang. eve. col., Xavier (Ohio), 58- Yugoslav & Croat Army, 39-45, Lt. Asn. Evolutionary Econ; Econ. Asn; Acad. Polit. & Soc. Sci; Asn. Comp. Econ. Economic and non-economic factors influencing long-range economic development; comparative economic systems; history of economic thought, search for a logic of change in economic ideas and institutions. Publ: The economics of command economies, *Proc. Joint Meetings Asn. Comp. Econ. & South. Econ. Asn.*, 11/67. Address: Dept. of Economics, University of Cincinnati College of Arts & Sciences, Cincinnati, Ohio 45221.
- ZINBARG, DR. EDWARD D(ONALD), b. New York, N.Y., Oct. 24, 34; m. 56; c. 2. ECONOMICS, FINANCE. B.B.A., City Col. New York, 54; M.B.A., Pennsylvania, 55; Ph.D. (econ. & finance), N.Y. Univ., 59. Security analyst, Fitch Invest. Serv., 55-56; asst. economist, Morgan Guaranty Trust Co. of N.Y., 56-59; economist, PRUDENTIAL INS. CO. OF AM., 60-68, CHIEF ECONOMIST, 68- Lectr., Baruch Sch., City Col. New York, 58-66, adj. assoc. prof., 66- Consult, New York Dept. Finance, 67- Nat. Asn. Bus. Econ; Econ. Asn; Finance Asn. Cyclical fluctuations in business activity; interest rates; stock prices. Publ: Co-auth, Investment analysis and portfolio management, *Irwin*, 67. Address: 67-76 Booth St, Forest Hills, Queens, N.Y. 11375.
- ZINGLER, PROF. ERVIN K(ENNETH), b. Suring, Wis., Apr. 29, 13; m. ECONOMICS, FINANCE. B.A., Lawrence Col., 35; scholar, Illinois, 35-36, M.A., 36, fel., 37-38, Ph.D., 38; Field fel., Chicago, 36-37, 38-39. Asst. prof., De Paul, 38-39; assoc. prof., La. State, 39-42; regional economist, Nat. Resources Planning Bd., 41-43; regional labor mkt. analyst, War Manpower Cmn, Tex., 43-44; prof. lectr., grad. sch., Southern Methodist, 42-53; chief economist & asst. regional dir., U.S. Bur. Budget, 44-53; PROF. ECON., HOUSTON, 53- Fel., Chicago, 38-39; Freedom Inst., Claremont Colls., 55; John S. Bugas lectr., Wyoming, 67; summers, vis. prof., Colorado, 58, Vanderbilt, 59-60, Puerto Rico, 61, Wisconsin, 62, Puerto Rico, 63, Fairleigh Dickinson, 64, Arizona, 65, 66, Wyoming, 67, Nebraska, 68. Financial consult, 39-; consult, U.S. Pub. Health Serv. & U.S. Study Cmn. on Tex. rivers, 59- U.S. Dept. Labor, 60-61. John R. Commons award, 65. Econ. Asn; Economet. Soc; Finance Asn; Soc. Pub. Admin. Managerial and mathematical economics; price theory; macroeconomics; history of economic thought; philosophy of economics; economic theory. Publ: The current status of the economic profession, *Univ. Southwestern Louisiana*, 66; Economic outlook for 1967, *Univ. Wyoming*, 67; The international liquidity crisis, *Forum*, 66. Address: Dept. of Economics, University of Houston, Houston, Tex. 77004.
- ZINK, PROF. HAROLD, Polit. Sci., see 10th ed, *Soc. & Behav. Vols.*, deceased 62.
- ZINKE, PROF. GEORGE WILLIAM, b. Milwaukee, Wis., Sept. 16, 04; m. 35; c. 1. ECONOMICS. A.B., Lake Forest Col., 25; A.M., Southern California, 31; Newton Booth traveling fel. from California, Cambridge, 37-38; Ph.D., California, 41. Asst. econ., California, 35-37; instr., Occidental Col., 38-41; economist, U.S. Tariff Cmn., 41-43; dir., Los Angeles Br., Regional War Labor Bd., 43-46; PROF. ECON., COLORADO, 46-, DIR. CENTER LABOR ED. & RES., 62- Faculty fel. from Colorado, Cambridge, 51; summer, vis. lectr., California, 48. Consult, study cmts., Colo. Legis., 51- AAAS; Econ. Asn; Arbit. Asn. Economic value theory; labor and management relations; economic history; labor education; history of economic theory; development of unionization among professional workers. Publ: *American economy*;

Value theory for economic growth; The problem of Malthus: must progress end in overpopulation?, Univ. Colorado, 87. Address: 2985 Seventh St, Boulder, Colo. 80302.

ZINKER, DR. JOSEPH C, b. Luck, Poland, Mar. 9, 34; U.S. citizen; m. 57; c. 2. PSYCHOLOGY. B.A. N.Y. Univ. 57; M.S. Western Reserve, 60, Ph.D. (psychol.), 63. Psychol. intern. Vet. Admin. Ohio, 58-62; staff psychologist, Highland View Hosp, 60-63; vis. asst. prof. PSYCHOL, LAKE ERIE COL, 63-64, ASST. PROF, 64- Mem. exec. bd, Cleveland Inst. Gestalt Ther., 63-, teaching fel., 65-; private practice & consult, Euclid Guid. Clin., 64- AAAS; Psychol. Asn. Personality change during terminal illness and other crisis situations; phenomenology of loving encounter and creativity. Publ: Rosa Lee: motivation and the crisis of dying, Lake Erie Col, 66; co-auth, Notes on loss, crisis and growth, 73: 347-354 & The possibility of psychological growth in a dying person, 74: 185-199, J. Gen. Psychol. Address: Dept. of Psychology, Lake Erie College, Painesville, Ohio 44077.

ZINN, PROF. HOWARD, b. New York, N.Y., Aug. 24, 22; m. 44; c. 2. POLITICAL SCIENCE. B.A. N.Y. Univ. 51; M.A. Columbia, 52, Ph.D. (hist. & polit. sci.), 58; Ford Found. fel. Denver, 57. Instr. hist. & polit. sci. Upsala Col, 53-56; assoc. prof. hist. & soc. sci., Spelman Col, 56-59, prof, 59-63, chmn. dept, 56-63; PROF. GOVT, BOSTON, 64- Lectr, Brooklyn Col, 55-56; fel. East Asian Studies, Harvard, 60-61; Eleanor Roosevelt Mem. Found. fel., 64. Southern Fels. award independent res, 58. U.S.A.A.F. 43-45, 2nd Lt. Polit. Sci. Asn; Hist. Asn. (Albert J. Beveridge award, 58); Asn. Asian Studies; Philos. Asn. United States history; philosophy of history; political and social theory; international relations; Soviet Russia and China; U.S. foreign policy; civil liberties. Publ: Laguardia in congress, Cornell Univ, 59; The southern mystique, Knopf, 64; Vietnam: the logic of withdrawal, Beacon, 67. Address: Dept. of Government, Boston University, Boston, Mass. 02215.

ZINNER, PROF. PAUL E(RNEST), b. Kosice, Czech, Jan. 16, 22; nat; m. 43; c. 4. POLITICAL SCIENCE. B.S. Tufts, 43; A.M. Harvard, 51, Ph.D. 53. Res. analyst, U.S. Dept. State, 45-49; mem. staff, Coun. For. Rels, 53-55; asst. prof. pub. law & govt, Columbia, 55-61; assoc. prof. POLIT. SCI, CALIFORNIA, DAVIS, 61-65, PROF, 65-, CHMN. DEPT, 67- Vis. prof, Nat. War Col, 64-65. U.S.A. 43-45, Sgt. Polit. Sci. Asn; Asn. Adv. Slavic Studies. Comparative government; international relations and politics; totalitarian power seizure and control in the Soviet Union and Eastern Europe; problem of revolution; foreign policies of the United States and Russia. Publ: National communism and popular revolt in Eastern Europe; Revolution in Hungary; Communist strategy and tactics in Czechoslovakia. Address: Dept. of Political Science, University of California, Davis, Calif. 95616.

ZINNES, DR. DINA A. b. Oldenburg, Germany, Nov. 14, 35; U.S. citizen; m. 57; c. 2. POLITICAL SCIENCE. B.A. Michigan, 57, M.A. 59; Ph.D. (polit. sci.), Stanford, 63. Res. assoc. int. studies proj, Stanford, 60-61; lectr. & vis. prof. GOVT, INDIANA, 64, ASST. PROF, 65- Prin. investor, JWGA- Adv. Res. Projs. Agency-Northwestern Univ. grant, 64-65 & consult, 66-68; res. assoc. center int. studies, Princeton, 65-66; co-prin. investr, Nat. Sci. Found. res. grant, 65-67. Spec. dept. ed, J. Conflict Resolution, 59-61. The application of mathematical models to the study of the behavior of states, specifically the use of a Markov model to explain communications between decision makers before outbreak of First World War. Publ: Co-auth, Content analysis, Northwestern, 63; auth, A comparison of hostile behavior of decision-makers in simulate and historical data, World Polit, 66; An analytical study of the balance of power theories, J. Peace Res, 67. Address: Dept. of Government, Indiana University, Bloomington, Ind. 47401.

ZINNES, DR. JOSEPH LOUIS, b. Newark, N.J., Mar. 15, 30; m. 57. PSYCHOLOGY. B.A. Michigan, 52, M.S. 53, Ph.D. 60. Res. assoc. PSYCHOL, Stanford, 59-61; asst. prof, INDIANA, 61-66, ASSOC. PROF, 66- Vis. res. psychologist, Ed. Testing Serv, 65-66. AAAS; Psychol. Asn; Psychomet. Soc. Measurement; multidimensional scaling; small groups. Publ: Co-auth, Basic measurement theory; Paired comparison of pair comparisons, 65 & Matching, discrimination and payoff, 68, J. Math. Psychol. Address: Dept. of Psychology, Indiana University, Bloomington, Ind. 47401.

ZIONTS, DR. STANLEY, b. Pittsburgh, Pa., Jan. 18, 37; m. 60; c. 3. MANAGEMENT SCIENCE. B.S. Carnegie Inst. Tech, 58, M.S. 60, Ph.D. (indust. admin), 66; Pittsburgh, 61-63. Technologist, appl. res. lab, U.S. Steel Corp, 60-65; prog. specialist, Ford Found, 65-67; ASSOC. PROF. MGT. SCI, STATE UNIV. N. Y. BUFFALO, 67- N.Y. State summer faculty fel, 68. Consult, Ministry of Iron & Steel, Govt. India, 65-67. Sig.C, U.S.A. 60-61, Res, 61-66, 1st Lt. Opers. Res. Soc. Am; Inst. Mgt. Sci; Oper. Res. Soc. India. Development and application of mathematical optimization methods; mathematical models of bargaining; digital computer simulation. Publ: Linear programming, chap. In: Handbook of business administration, McGraw, 67; co-auth, Methods for removing nonbinding constraints and extraneous variables from linear programming problems, Mgt. Sci, 66 & Restricted bargaining for organizations with multiple objectives, Econometrica, 68. Address: School of Business Administration, State University of New York at Buffalo, Buffalo, N.Y. 14214.

ZIPPEL, DR. BERT, b. New York, N.Y., July 13, 33; wid. PSYCHOLOGY. B.A. City Col. New York, 59; Nat. Inst. Ment. Health fel, Princeton, 61-62, Ph.D. (psychol.), 65. Teaching asst. PSYCHOL, Princeton, 59-60, res. asst. 60-61; ASST. PROF, New Mexico, 62-67; HUNTER COL, 67- U.S.A. 54-57, Sgt. Psychol. Asn; Ling. Soc. Am. Human concept learning; verbal behavior; psycholinguistics. Publ: Judgment of evaluative balance in sentences, 19: 635-640 & co-auth, Semantic differential profiles and free-association norms, 20: 1259-1263, Psychol. Reports; auth, Semantic differential measures of meaningfulness and agreement of meaning, J. Verbal Learning & Verbal Behav, 8: 222-225. Address: Dept. of Psychology, Hunter College, 695 Park Ave, New York, N.Y. 10021.

ZIRNG, DR. LAWRENCE, b. Brooklyn, N.Y., Dec. 11, 28; m. 62. POLITICAL SCIENCE. B.S. Columbia, 55, M.I.A. 57, Ph.D. (polit. sci.), 62. Lectr. int. rels, Columbia, 60-61; asst. prof. POLIT. SCI, Lafayette Col, 61-64; Syracuse, 64-67; ASSOC. PROF, WESTERN MICHIGAN, 67- Lectr, Dacca, 59-60; Lafayette Col. res. fel, 62-63. Adv. Pakistan admin. staff, Ford Found-

Syracuse Univ. Proj, 64-66. U.S.A. 51-53, Sgt. Polit. Sci. Asn; Asn. Asian Studies. Comparative politics; South Asia and the Middle East, especially politics and institutions of Pakistan. Publ: Co-auth, Administrative problems in Pakistan, Syracuse, 66; Toward developing Pakistan, Bookserv. 68; auth, Pakistan then and now: east and west, Asia, 67. Address: Dept. of Political Science, Western Michigan University, Kalamazoo, Mich. 49001.

ZIRKLE, PROF. GEORGE A, b. Kingston, Tenn, Feb. 3, 09; m. 33; c. 2. PSYCHOLOGY. A.B. Tusculum Col, 30; M.A. Duke, 34, Ph.D. (psychol.), 41. PROF. PSYCHOL, HANOVER COL, 36-, dean men, 39-48. Consult, Madison State Hosp, Ind, 58- U.S.N.R. 44-46, Lt. Comdr. Psychol. Asn. Clinical psychology; learning; test construction. Publ: An experimental study of learning in the immediate post-electroshock period; Excuses. Address: Dept. of Psychology, Hanover College, Hanover, Ind. 47243.

ZISK, DR. BETTY (ANN) H(ERSHBERGER), b. Washington, D.C., Nov. 10, 30; m. 54; c. 3. POLITICAL SCIENCE. B.A. Swarthmore Col, 51; Lucretia Mott fel. from Swarthmore Col. & M.A. Haverford Col, 53; Ford Found. fel, Stanford, 63-64, Ph.D. (polit. sci.), 64. Res. asst, Friends Cmt. Nat. Legis, 52-55; teaching asst. polit. sci., Stanford, 60-63, acting asst. prof, 64; ASST. PROF. GOVT, BOSTON, 65- Consult, Joint Center Urban Studies, Mass. Inst. Tech-Harvard, 65. Am. Polit. Sci. Asn; Int. Polit. Sci. Asn. Political behavior, especially legislative process and informal institutions such as interest groups, parties and general public opinion; strong methodological and theoretical orientation. Publ: Co-auth, The federal-state struggle for off-shore oil, 66 & auth, Local interest politics: a one-way street, (in press), Bobbs; co-auth, City councilmen and the group struggle: a typology of role orientations, J. Polit, 8/65. Address: 9 Diana Lane, Lexington, Mass. 02173.

ZISMAN, DR. JOSEPH, b. Paris, France, Nov. 10, 01; nat; m. 39; c. 2. ECONOMICS. B.S. N.Y. Univ, 25; M.A. Columbia, 35; Ph.D. (econ), 46. Labor economist, U.S. Maritime Cmn, 38-45; consult, off. of cmnr, Soc. Security Admin, U.S. DEPT. HEALTH, ED. & WELFARE, 46-60; STAFF ASST, BUR. RETIREMENT & INS, U.S. CIVIL SERV. CMN, 60- Lectr, grad. sch, U.S. Dept. Agr. Consult, govt. agencies, 52-56; U.S. Senate Cmt. Labor & Pub. Welfare, 55-58; UN tech. expert, govt. Iran, 64-65. Statist. Asn; Indust. Rels. Res. Asn; Acad. Polit. Sci. Social legislation and insurance; labor problems; private and government employee benefit plans. Publ: Workmen's compensation and the protection of merchant seamen, Bur. Labor Stat. Bull; contrib, Health, Welfare and pension plans & Comparative analysis of federal retirement systems. Address: 2646 N. Richmond St, Arlington, Va. 22207.

ZITNIK, LOUIS J(AMES), Econ, Finance, see 10th ed, Soc. & Behav. Vols.

ZITTA, DR. VICTOR, b. Titel, Yugoslavia, Nov. 5, 26; U.S. citizen; m. 54; c. 3. POLITICAL SCIENCE. B.A. Western Ontario, 53; M.A. Michigan, 56, Ph.D. (polit. sci.), 62. Asst. prof. polit. sci., Gonzaga, 58-60; vis. prof. int. polit., De Pauw, 60-61; asst. prof. POLIT. SCI, Marquette, 61-65; ASSOC. PROF, MARYLAND, 66- Polit. Sci. Asn; Soc. Legal & Polit. Philos; Soc. Gen. Sys. Res. Political theory and methods; international politics; constitutional law. Publ: The genesis and nature of Georg Lukacs' Marxism, Univ. Microfilms, 62; Georg Lukacs' Marxism: alienation, dialectics, revolution, M. Nijhoff's N.V., Netherlands, 64. Address: Dept. of Government & Politics, University of Maryland, College Park, Md. 20742.

ZIVAN, DR. MORTON, b. New York, N.Y., June 27, 23; m. 53. COUNSELING PSYCHOLOGY, REHABILITATION. B.A. Queens Col. (N.Y.), 45; A.M. Columbia, 46; Ph.D. (voc. rehab), N.Y. Univ, 58. Rehab. counsr, Bellevue Hosp, New York, 51-53; sr. rehab. counsr. & coordinator sheltered workshop inst, Bird S. Coler Mem. Hosp. & Home, 53-58; supr. pre-voc. eval. unit, inst. phys. med. & rehab, N.Y. Univ. Med. Center, 58-59, chief voc. serv, 59-61, res. consult, 61-64, ASST. PROF. voc. rehab, univ, 62-64; PSYCHOL, Long Island, 64; TEMPLE, 65- Instr. sch. ed, N.Y. Univ, 61-64; res. proj. dir, Children's Village, Dobbs Ferry, 61-66; res. assoc, N.Y. Asn. for Blind, 62-64. Consult, 60-; bur. hearings & appeals, Soc. Security Admin, 63- Psychol. Asn; Personnel & Guid. Asn; Rehab. Asn. Psychological effects of disablement and resultant unemployment; effect of vocational planning on prevention and amelioration of juvenile delinquency; training and supervision of counselors; techniques of counseling and psychotherapy. Publ: Distinguishing features of disabled clients, Rehab. Record; co-auth, Results of a combined medical and rehabilitative program in tuberculosis: a preliminary report, Arch. Phys. Med. & Rehab; Vocational rehabilitation of institutionalized male delinquent adolescents, Personnel & Guid. J. 1/65. Address: Dept. of Psychology, Temple University, Philadelphia, Pa. 19122.

ZIVKOVICH, DR. PAUL, b. Temisvar, Rumanija, Aug. 17, 19; U.S. citizen; m. 50; c. 3. BUSINESS MANAGEMENT. M.B.A. Cologne, Germany, 49, Dr. rer. pol, 50. Supt. sheet metal div, Nat. Lead Co, Ill, 50-55; exec. v.pres, Hart Metal-Metal Glass Prod. Co, Ind, 55-59; dir. mgr, Mardigian Corp, Mich, 59-60; asst. prof. bus. & indust. mgt, grad. sch. bus. admin, SOUTHERN CALIFORNIA, 60-64, ASSOC. PROF. MGT, 64- Indust. Mgt. Soc; Soc. Automotive Eng; Inst. Mgt; Acad. Mgt. Industrial management and organization; managerial research. Address: Hoffman Hall, University of Southern California, University Park, Los Angeles, Calif. 90007.

ZIVNUSKA, DEAN JOHN A(RTHUR), b. San Diego, Calif, July 10, 16; m. 41; c. 3; m. 64. FOREST ECONOMICS. B.S. California, 38, M.S. 40; Ph.D. (agr. econ), Minnesota, 47. Instr. FORESTRY, Minnesota, 46-47; CALIFORNIA, BERKELEY, 48, asst. prof, 49-55, assoc. prof, 55-59, PROF, 59-, DEAN SCH. FORESTRY & CONSERV, 65- Vis. lectr, Agr. Col. Norway, 54-55. Consult, Econ. Cmn. Asia & Far East, 57; mem. forestry res. adv. cmt, U.S. Dept. Agr, 64- U.S.N.R. 42-45, Lt. Comdr. Soc. Am. Foresters; Soc. Range Mgt; Agr. Econ. Asn. Publ: U.S. Timber resources in a world economy, Johns Hopkins, 67. Address: 145 Mulford Hall, University of California School of Forestry & Conservation, Berkeley, Calif. 94720.

ZLODY, DR. RUDOLPH L, b. Ambridge, Pa, Sept. 22, 25; m. 55; c. 5. PSYCHOLOGY. A.B. Duquesne, 51; M.A. Fordham, 53, Ph.D. (psychol), 60. Staff psychologist, Fordham, 52-58; asst. prof. PSYCHOL, Duquesne, 58-62; ASSOC. PROF, COL. HOLY CROSS, 62- U.S.A. 43-47. Psychol. Asn; N.Y. Acad. Sci. Physiological substrata of psychological behavior; existen-

tial phenomenological approach to psychology theory; psychopharmacology; concept formation studies. Address: Dept. of Psychology, College of the Holy Cross, Worcester, Mass. 01610.

ZLOTNICK, JACK, b. New York, N.Y., Mar. 11, 15; m. 51; c. 1. ECONOMICS, INTERNATIONAL RELATIONS. B.S. N.Y. Univ. 40; M.A. George Washington, 48; Indust. Col. Armed Forces, 58-59. Indust. analyst, War Prod. Bd. 41-46; econ. analyst, U.S. Bur. Census, 46-49; RESEARCHER, INT. RELS, U.S. GOVT, 49- Econ. Asn. United States labor force; demographic and political problems of the Far East. Publ: Immigration and the labor force, *Annals*; National intelligence; Population pressure and political indecision, *For. Affairs*. Address: 211 James Thurber Court, Falls Church, Va. 22046.

ZLOTOWSKI, DR. MARTIN, b. Lodz, Poland, Aug. 10, 34; nat; m. 56; c. 1. SOCIAL & CLINICAL PSYCHOLOGY. B.A. N.Y. Univ. 55; M.A. Mich. State, 58, Ph.D.(clin. & exp. psychol), 60. Trainee clin. psychol, Vet. Admin. Hosp. Battle Creek, Mich. 57-60; assoc. psychol, grad. sch. pub. health, Pittsburgh, 60-61, res. assoc. & lectr, psychol, Boston, 61-62; clin. psychologist, VET. ADMIN. HOSP. COATESVILLE, 62-65, UNIT CHIEF PSYCHOLOGIST, 65- Part-time private practice, 64-; consult. & dir. psychol. serv. St. Mary of Providence Sch. Retarded Girls, 66- Psychol. Asn. Individual and group psychotherapy; application of learning principles to behavior modification; behavior modification with psychiatric patients and mentally retarded children; premorbidty as related to later adjustment. Publ: Co-auth, The relationship between Elgin and Phillips measures of process-reactive schizophrenia, *J. Nerv. & Ment. Disease*, 138: 32-37; auth, Behavior differences between process and reactive schizophrenics in a monotonous repetitive task, *J. Personality & Soc. Psychol.*, 1: 240-244; Effects of environmental change upon the behavior of hospitalized schizophrenic patients, *J. Clin. Psychol.* (in press). Address: 49 Downing Circle, Downingtown, Pa. 19335.

ZOBEL, PROF. HERBERT L(AWRENCE), Geog, see 10th ed, Soc. & Behav. Vols.

ZOBER, PROF. MARTIN, b. Pittsburgh, Pa, June 12, 18; m. 40; c. 2. MARKETING. B.A. Pittsburgh, 40, M.Litt, 43, Ph.D.(econ), 50. Asst. prof. econ. mkt. mgt, Upper Iowa, 47-51; assoc. prof. MKT, Drake, 51-57; PROF. IOWA STATE, 57- Mem. Ford Found. Seminar, 57. Consult, Maytag Corp, Meridith Pub. Co, Northland Milk, Park Fair Shopping Center, Des Moines Chamber Commerce, Howard Johnson, Inc, 57- U.S.A., 43. Mkt. Asn. (pres. 60): Sales & Mkt. Execs. Int. Behavioral aspects of marketing. Publ: Marketing management, Wiley, 65; Principles of marketing, Allyn & Bacon, 68. Address: Dept. of Industrial Administration, Iowa State University, Ames, Iowa 50010.

ZOBLER, PROF. LEONARD, Geog, see 11th ed, Phys. & Biol. Vols.

ZOELLNER, J(OHN) ARTHUR, b. Ames, Iowa, July 27, 27; m. 51; c. 3. STATISTICS. B.S. Iowa State Col, 51, M.S. 53. Mgr. statist. methods, Gen. Elec. Co, 56-61; supvr. anal. & prog, IIT RES. INST, 61-63, mgr. ops. dept, 63-66. ASST. DIR. OPERS. 66- U.S.N. 45-47. Inst. Elec. & Electronics Eng: Asn. Comput. Mach: Opers. Res. Soc. Am. Analytical engineering; operational and statistical analysis. Publ: Co-auth, Subminiature electron tube life factors, *Reinhold*, 61 & Steady and progressive testing of mica capacitors, *Proc. Seventh Symposium on Reliability*, 61; auth, Information loss of a peak riding detector in the presence of pulse interference, *Inst. Elec. & Electronics Eng. Transactions*, 4/67. Address: 1567 Eton Way, Crofton, Md. 21113.

ZOHNER, DR. (GLENN) DORIN, b. Victor, Idaho, Apr. 23, 33; m. 56; c. 2. ABNORMAL PSYCHOLOGY, PERSONALITY. B.A. Brigham Young, 58, M.A. 62; Ph.D.(psychol), Massachusetts, 63. Instr. psychol, Colby Col, 63-65, asst. prof, 65-66; Nat. Inst. Child Health & Human Develop. fel, inst. child develop, Univ. Minnesota, 66-67; ASST. PROF. PSYCHOL, WEST. WASH. STATE COL, 67- Psychol. Asn. Effects of model characteristics on social influence; child's cognition and perception of personality traits in others. Address: Dept. of Psychology, Western Washington State College, Bellingham, Wash. 98225.

ZOFFER, PROF. H. JEROME, b. Pittsburgh, Pa, July 23, 30; m. 59; c. 2. BUSINESS ADMINISTRATION, ECONOMICS. B.B.A. Pittsburgh, 52, M.A. 53, Ph.D.(econ), 56; C.P.C.U. Am. Inst. Property & Liability Underwriters, 56. Instr. BUS. ADMIN, GRAD. SCH. BUS, PITTSBURGH, 53-56, asst. prof, 56-59, assoc. prof, 59-66, PROF. 66-, ASSOC. DEAN, 65-, dir. spec. studies, 60-62, asst. dean acad. affairs, 62-65. Fel, Ford Found. Math. Workshop, Univ. Pennsylvania, 61; Ford Found. fel. appl. math, 62. Asst. ed, Ann. Inst. Property & Liability Underwriters. Mem. res. & develop. cmt, Admission Test for Grad. Study in Bus, 65-69, chmn, 67-68. Econ. Asn; Finance Asn; Risk & Ins. Asn; Soc. Psychol. Study Social Issues; Inst. Mgt. Sci. Individual and shared-decision making under conditions of risk; corporate risk analysis and planning; social and economic security; insurance rating history and development; risk management; patterns of graduate education for business. Publ: Corporate risk analysis, *Bur. Bus. Res. Univ. Pittsburgh*, 57; The history of automobile liability insurance rating 1900-1958, *Univ. Pittsburgh*, 59. Address: University of Pittsburgh Graduate School of Business, 1932 Cathedral of Learning, Pittsburgh, Pa. 15213.

ZOLA, DR. IRVING KENNETH, b. Boston, Mass, Jan. 24, 35; m. 57; c. 1. SOCIOLOGY. B.A. Harvard, 56, Ph.D.(sociol), 62. Res. analyst, Age Center New Eng, 57-59; from res. sociologist to ASST. SOCIOLOGIST, MASS. GEN. HOSP, 59-; ASSOC. PROF. SOCIOL, BRANDEIS, 68-, CO-DIR. TRAINING OF MED. SOCIOLOGISTS, 66-, supvr. field work training grant, 63-66, asst. prof, 63-68. Res. assoc. sch. pub. health, Harvard, 62-63; prin. inv. U.S. Pub. Health Serv. res. grant, 63-67 & contract, 67-68. Consult, Kaiser Permanente Health Plan, Calif, 65- Pub. Health Asn; Sociol. Asn; Soc. Study Social Probs. Medical sociology, specifically the psychosocial and cultural factors involved in seeking out medical aid; deviance and education. Publ: Co-auth, Origins of crime: a new evaluation of the Somerville Youth Study, *Columbia*, 59; auth, Observations on gambling in a lower-class setting, *Soc. Probs*, 63; Culture and symptoms: an analysis of patients presenting complaints, *Am.*

Sociol. Rev. 66. Address: Dept. of Sociology, Brandeis University, Waltham, Mass. 02154.

ZOLBERG, DR. ARISTIDE R, b. Belgium, June 14, 31; U.S. citizen; m. 53; c. 1. POLITICAL SCIENCE. B.A. Columbia, 53; M.A. Boston, 56; Hillman fel, Chicago, 56-57, Ford Found. fel, 58-60, Carnegie Found. fel, 60-61, Ph.D.(polit. sci), 61. Asst. prof. POLIT. SCI, Wisconsin, 61-63; CHICAGO, 63-66, ASSOC. PROF, 66- Soc. Sci. Res. Coun. fcls, 64 & 68. Consult, U.S. Dept. State, 65- Mem. comp. polit. cmt, Soc. Sci. Res. Coun, 67- U.S.A., 54-55. Polit. Sci. Asn; African Studies Asn. Political development in West Africa and Western Europe; social stratification and politics; empirical theory; political parties. Publ: One party government in the Ivory Coast, *Princeton*, 64; Creating political order, *Rand McNally*, 66; The structure of political conflict in tropical Africa, *Am. Polit. Sci. Rev.* 68. Address: Dept. of Political Science, University of Chicago, Chicago, Ill. 60637.

ZOLIK, DR. EDWIN STANISLAUS, b. Brockton, Mass, June 28, 24; m. 50. CLINICAL & COMMUNITY PSYCHOLOGY. B.S. Tufts Col, 49; M.A. Catholic Univ, 52, Ph.D. 56. Vet. Admin. trainee clin. psychol, Catholic Univ, 49-53; instr. & clin. psychologist, Portland, 55-56; asst. prof, Marquette, 56-60; co-proj. dir. & exec. dir, dept. ment. hyg. & hosps, North. Va. Ment. Health Proj. State of Va, 60-64; assoc. prof. psychol, DePaul, 63-64, PROF. PSYCHOL. & DIR. BUR. PSYCHOL. SERV, 64-, CHMN. DEPT. PSYCHOL, 63- Proj. dir, Winnebago County Ment. Health Clin, Ill, 59-60. U.S.N.R, 42-46. AAAS; Psychol. Asn; Group Psychother. Asn; fel. Pub. Health Asn. Individual and group psychotherapy; dynamics of patient-family interaction in relation to mental illness; objective methods of psychological assessment; community mental health. Address: Dept. of Psychology, DePaul University, 25 E. Jackson Blvd, Chicago, Ill. 60604.

ZOLLER, DR. RICHARD B(ERNARD), b. Stillwater, Minn, May 3, 29; m. 52; c. 2. AGRICULTURAL ECONOMICS, ECONOMICS. B.S. Minnesota, 53, Ph.D. 58; Wisconsin, 54. Instr. Minnesota, 55-58; dir. econ. res, F.H. Peavey & Co, 58-62; economist, ARMOUR & CO, 62-66, MGR. CAPITAL APPROPRIATIONS DEPT, 66- U.S.A. 50-52, Sgt. Agr. Econ. Asn; Econ. Asn. Corporate long-range planning; financial management; general agricultural economics research; law and economics. Address: Armour & Co, P.O. Box 9222, Chicago, Ill. 60690.

ZOLLITSCH, PROF. HERBERT G(EOGE), b. Buffalo, N.Y., May 3, 16; m. 51; c. 4. INDUSTRIAL MANAGEMENT. B.S. State Univ. N.Y. Teachers Col. (Buffalo), 40; M.S. Cornell, 51, Ph.D.(indust. ed), 54. Asst. prof. MGT, COL. BUS. ADMIN, MARQUETTE, 54-56, assoc. prof, 56-60, PROF, 60-, DIR. DEPT, 56- Ford Found. summer res. fel, 62; bus. admin. faculty summer res. award, 65. Mem. Wis. Small Bus. Adv. Coun, 64- U.S.N.R, 43-46, Lt. Comdr. Indust. Rels. Res. Asn; Acad. Mgt. Personnel administration; industrial education. Publ: Co-auth, Wage and salary administration & An economic study of the Milwaukee brewing industry, *Milwaukee Brewery Proprietors*, 65; auth, The new look in appraising credit union employees, *Credit Union Exec*, 2/68. Address: 5055 N. 55th St, Milwaukee, Wis. 53218.

ZONDAG, DR. C(ORNELIUS) H(ENRY), b. Netherlands, July 10, 13; nat. ECONOMICS, INTERNATIONAL LAW. LL.B. Leyden, 38, Ph.D. 40; M.A. N.Y. Univ, 49; M.C.L. George Washington, 53. Asst. to mgr, Int. Catalytic Oil Processes Corp, N.Y., 40-42, auxiliary for. serv. officer, 42-45; asst. to div. head, Socony Mobil Oil Co, Inc, 45-50; loan officer, Int. Bank Reconstruct. & Develop, 50-54; econ. adv. U.S. Opers. Mission, Bolivia, 54-57, Colombia, 57-59, acting dir, 59-60, Int. Coop. Admin. Liaison officer, Guinea, 60, chief field party, Lima, Peru, 60-64, develop. planning officer, AGENCY INT. DEVELOP, Pakistan, 64-67, CHIEF AGR. IMPORTS DIV, COMMODITY MGT. BUR. FOR VIETNAM, D.C. 67- Vis. prof, San Andres, Colombia, 55-56; prof, Lima Tech, 60-64. Econ. Asn; Soc. Int. Law; Acad. Polit. & Soc. Sci; Polit. Sci. Asn. International economics; social and industrial psychology. Publ: The Bolivian economy 1952-65, *Praeger*, 66; Pakistan jute, its problems and promise, *Agency Int. Develop*, 67. Address: 6171 Leesburg Pike 636, Falls Church, Va. 22044.

ZONIS, DR. MARVIN, b. Boston, Mass, Sept. 18, 36; m. 58; c. 1. POLITICAL SCIENCE. A.B. Yale, 58; Harvard, 58-59; Ph.D.(polit. sci), Mass. Inst. Tech, 68. Res. fel. polit. sci, Soc. Sci. Res. Coun, 63-65; instr. Mass. Inst. Tech, 65-66; ASST. PROF. POLIT. SCI, CHICAGO, 66-, ASST. DIR, CENTER MID. EAST. STUDIES, 67- Nat. Inst. Ment. Health res. award, 67-68. Mem. exec. cmt, Am. Inst. Iranian Studies, 68-69. U.S.A.F, 59-60. Polit. Sci. Asn; Sociol. Asn; Mid. East Studies Asn. N.Am. Political elites and development, especially in Iran; psychological and cultural variables and their effects on political development. Publ: Selecting a sample of Iran's secondary schools, 65 & A study of the development cadre in Iran: the technocrats, 66, *Nat. Teachers Col. Iran*; Political elites and political cynicism in Iran, In: *Comparative political studies*, 68. Address: Foster Hall, Box 24, University of Chicago, 1130 E. 59th St, Chicago, Ill. 60637.

ZOOK, PROF. PAUL D(AVID), b. Goshen, Ind, Sept. 1, 12; m. 38. ECONOMICS. B.A. Goshen Col, 34; M.A. Illinois, 40, Ph.D.(econ), 54. Instr. econ. La. State, 41-43; assoc. econ. analyst, Bur. For. & Domestic Commerce, 43; asst. prof. ECON, Wittenberg Col, 46-47; assoc. prof, SOUTHERN METHODIST, 47-59, PROF, 59- Transport economist, Ministry of Transport, Nigerian Govt, 66-68. U.S.A. 42-46. Am. Econ. Asn; Am. Mkt. Asn; Royal Econ. Soc; Nigerian Econ. Soc. Transportation and international trade. Publ: Ed, Economic development and international trade: a perspective; Foreign trade and human capital; auth, Certification of local and feeder air carriers, *Southwest. Law J.* Address: 3204 Amherst St, Dallas, Tex. 75225.

ZOPF, DR. PAUL E(DWARD), JR, b. Bridgeport, Conn, July 9, 31; m. 56. SOCIOLOGY. B.S. Connecticut, 53; M.S. Florida, 55, fel, 57-59, Ph.D.(sociol), 65; scholar, Tulane, 56-57, Danforth Found. grant, summers, 60 & 61. Asst. prof. sociol, GULFORD COL, 59-67, assoc. prof. sociol. & assoc. dean acad. prog, 67-68, PROF. SOCIOL, 68- Lectr, Piedmont Univ. Center, 63-, res. grant, 67. Sociol. Asn; Rural Sociol. Soc. Latin American studies; demography; rural and urban sociology. Publ: North Carolina: a demo-

graphic profile, Univ. North Carolina, 67. Address: Dept. of Sociology, Guilford College, Greensboro, N.C. 27410.

ZORN, EUGENE C, JR, b. New York, N.Y., Jan. 17, 18; m. 56; c. 2. ECONOMICS, FINANCE. B.B.A. City Col. New York, 37; M.S. Columbia, 42. Dep. mgr. & dir. res. Am. Bankers Assn, N.Y. 40-60; SR. V. PRES. & ECONOMICIST, REPUB. NAT. BANK OF DALLAS, 60-. U.S.A.A.F. 43-46, Capt. Econ. Asn; Statist. Asn; Finance Asn. Banking and credit; business conditions. Address: Republic National Bank of Dallas, Dallas, Tex. 75222.

ZRINYI, JOSEPH, S.J., b. Hungary, July 19, 19; nat. ECONOMICS. B.S. Plus Col. Hungary, 37; S.T.L. Theol. Inst. Netherlands, 49; M.A. Montreal, 53; Ph.D. Georgetown, 62. ASST. PROF. ECON. GEORGETOWN, 61-. Econ. Asn. Entrepreneurial behavior and the modern corporation. Address: Dept. of Economics, Georgetown University, Washington, D.C. 20007.

ZSCHOCK, DR. DIETER K(LAUS), b. Berlin, Germany, Oct. 26, 36; U.S. citizen; m. 62; c. 2. ECONOMICS. B.A. Wesleyan, 62; Ph.D.(econ) Fletcher Sch. Law, 67. Training assoc. Ford Found, 64-65; res. assoc. ECON, Princeton, 65-66; ASST. PROF. STATE UNIV. N.Y. STONY BROOK, 66-, ACTING DIR. ECON. RES. BUR, 67-. Consult. Milbank Mem. Fund, summer 67. U.S.A.F. 54-58. Econ. Asn. Economic development; international economics; economics of manpower and education. Publ: Manpower perspective of Colombia, Indust. Rels. Sect. Princeton, 67; co-auth. Brookhaven in transition, State Univ. N.Y. Stony Brook, 68; auth. Economic aspects of health needs in Colombia, Milbank Mem. Fund. Quart, 68. Address: Dept. of Economics, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.

ZSOLDOS, DR. LASZLO, b. Szentcs, Hungary, Jan. 29, 25; nat. m. 53; c. 1. ECONOMICS. Cert. Kolozsvár, Hungary, 44; B.A. Cincinnati, 52, M.A. 55; Ph.D. Ohio State, 61. Instr. ECON. Ohio State, 57-60; asst. prof. Kentucky, 60-64; ASSOC. PROF. DELAWARE, 64-, CHMN. DEPT. 67-. Mem. Southern Conf. Slave Studies, 61-. Econ. Asn. Foreign economic relations of east European countries in the Soviet orbit, especially of Hungary. Publ: Economic integration of Hungary in the Soviet bloc, Ohio State Univ, 63; co-auth. International finance, Health, 67; auth. Hungary's economic integration into the Soviet bloc. Address: Dept. of Economics, University of Delaware, Newark, Del. 19711.

ZUBEK, PROF. JOHN PETER, b. Czech, Mar. 10, 25; nat. Can. PSYCHOLOGY. B.A. British Columbia, 46; M.A. Toronto, 48; Ph.D.(psychol) Hopkins, 50. Asst. prof. PSYCHOL. McGill, 50-53; prof. & head dept. MANITOBA, 53-61. RES. PROF. 61-. DIR. SENSORY DEPRIVATION LAB. 59-. Am. Psychol. Asn; Psychonomic Soc; Can. Psychol. Asn. Physiological psychology; perception; sensory deprivation. Publ: Co-auth. Human development, McGraw, 58; auth. & ed. Sensory deprivation: fifteen years of research, Appleton, in press. Address: Dept. of Psychology, University of Manitoba, Winnipeg, Man, Can.

ZUBER, LEO J(OSEPH), b. Harbor Springs, Mich, Mar. 5, 08; m. 39; c. 6. GEOGRAPHY. A.M. Wayne, 30, M.A. Michigan, 31. Sr. geog. aide, Tenn. Valley Authority, 34-36, assoc. recreation technician, 41-42, assoc. community planner, 42-43, recreation technician, 46; land use planner, State Planning Cmns, Tenn, 36-41; asst. prof. geog. Atlanta Div, Georgia, 47-48; planning technician & asst. dir. Metrop. planning cmns, ATLANTA, 49-55. ASST. REGIONAL DIR. FOR SPEC. PROGS. DEPT. HOUSING & URBAN DEVELOP. REGION III, 55-. Vis. lectr. Ga. Inst. Tech, 52-55. U.S.N. 43-46. Inst. Planners. Bibliography; urban development. Publ: Planning in the Atlanta metropolitan area; What's a map worth?; co-auth. Now: for tomorrow, a plan for the DeKalb-Fulton metropolitan area. Address: 2332 N. Decatur Rd, Decatur, Ga. 30033.

ZUBIN, DR. JOSEPH, Psychol, see 11th ed, Phys. & Biol. Vols.

ZUBROW, PROF. REUBEN A(RTHUR), b. Philadelphia, Pa, May 17, 14; m. 38; c. 4. ECONOMICS. B.S. Trenton State Col, 36; M.A. Pennsylvania, 41; Ph.D. Indiana, 50. Res. economist, Off. Price Admin, D.C. 42-43; instr. ECON, Indiana, 46-49; asst. prof. COLORADO, 49-54, assoc. prof. 54-59, PROF, 59-. Fulbright prof. Helsinki Sch. Econ. & Swedish Sch. Econ, Finland, 56-57. Consult. to Governor, Colo. 58-; President's Adv. Cmn. Intergovt. Rels, 62-; U.S. Off. Ed, 65-. Proj. dir. State Tax Study, Nev, 59-61; dir. employ. & sub-employ. study of Denver labor mkt, U.S. Dept. Commerce, 60-. U.S.N.R. 43-46, Lt. AAAS; Econ. Asn; Nat. Tax Asn. State and local taxation; public finance; economic theory. Publ: Financing government in Colorado, 1959; Financing state and local government in Nevada; Economic feasibility study of Denver Platte River Valley, Denver Urban Renewal Authority, 66. Address: Dept. of Economics, University of Colorado, Boulder, Colo. 80302.

ZUCKER, DR. F(REDERICK) DONALD, b. Elizabeth, N.J., Jan. 3, 28; m. 52; c. 2. POLITICAL SCIENCE. B.A. Rutgers, 52; Fulbright scholar, Florence, 52-53; M.A. Pa. State, 56, fel. 57-58, Ph.D.(polit. sci), 58. Instr. POLIT. SCI, Pa. State, 56-57; asst. prof. URSINUS COL, 58-60, ASSOC. PROF, 60-Summer, vis. staff mem, Pa. State, 59. U.S.A. 46-48. Polit. Sci. Asn. Political theory; American national government and history. Address: Delphi Rd, Schwenksville, Pa. 19473.

ZUCKER, DR. HERBERT, b. New York, N.Y., Apr. 18, 20; m. 43. PSYCHOLOGY. B.S.S. City Col. New York, 41, fel. 42-43; M.A. Ohio State, 41; Ph.D. (clin. psychol), Columbia, 43; cert. Wm. A. White Inst, 53. Clin. psychologist, ment. hyg. clin. Community Hosp, Vet. Admin, 46-48; asst. prof. ed, teachers col, Columbia, 48-50, assoc. guid. lab, 51-52; CLIN. PSYCHOLOGIST, 50-; ADJ. PROF. PSYCHOL, N.Y. UNIV, 54-. Dipl. Am. Bd. Exam. Prnl. Psychol, 55. U.S.A. 43-46. Fel. Psychol. Asn. Personality; psychotherapy; clinical methodology. Publ: Problems of psychotherapy, Macmillan, 67. Address: 288 Lexington Ave, New York, N.Y. 10016.

ZUCKER, DR. KARL B(RUCE), b. Cleveland, Ohio, Aug. 27, 27; m. 53; c. 2. CLINICAL PSYCHOLOGY. B.S. Chicago, 48; M.A. Western Reserve, 52, Ph.D.(psychol), 56. Head dept. psychol, Ohio Northern, 53-56; trainee clin. psychol, Vet. Admin. Hosp, Lexington, Ky, 56-58; chief psychologist, Child Guid. Center of Youngstown, Ohio, 58-64; ASSOC. PROF. SPEC. ED, INDI-

ANA STATE, 64-. Psychol. Asn. Clinical child psychology; school psychology; special education of emotionally handicapped children; projective techniques for children. Publ: Nonsexual significance of some simple geometric symbols, J. Gen. Psychol. Address: 48 Potomac Ave, Terre Haute, Ind. 47803.

ZUCKER, DR. NORMAN L(IVINGTON), b. New York, N.Y., Aug. 1, 33; m. 61. POLITICAL SCIENCE. B.A. Rutgers, 54, M.A. 56, scholar, 57-60, Ph.D. 60. Asst. instr. polit. sci, Douglass Col, Rutgers, 57, asst. bur. govt. res, Rutgers, 57-58, depts. polit. sci, 58-59, instr. 59-60; Northeastern, 60-61, asst. prof. 61-62; govt. Tufts, 62-66; ASSOC. PROF. POLIT. SCI, RHODE ISLAND, 66-. Res. grants, Wurzweller Found, 63 & Am. Philos. Soc, 64. American political history; urban government; political parties; legislative process. Publ: George W. Norris: gentle knight of American democracy, Univ. Illinois, 66; The American party process: readings and comments, Dodd, 68; The languishing soul: religion in the Israeli body politic, Crowell, 68. Address: Dept. of Political Science, University of Rhode Island, Kingston, R.I. 02881.

ZUCKERMAN, DR. HARRIET A, b. New York, N.Y., July 19, 37. SOCIOLOGY. A.B. Vassar Col, 58; Woodrow Wilson fel, Columbia, 58-59, univ. scholar, 60-61, John W. Burgess fel, 61-62, Soc. Sci. Res. Coun. fel, 62-64, Ph.D. (sociol), 65. ASST. PROF. SOCIOL, COLUMBIA, 65-, ASSOC. DIR. PROG. SOCIOL. OF SCI, BUR. APPL. SOC. RES, 66- AAAS; Sociol. Asn. Sociology of science; social change; stratification. Publ: Nobel laureates in science, Am. Sociol. Rev, 6/67; The sociology of the Nobel prizes, Sci. Am, 11/67; Patterns of name-ordering among authors of scientific papers, Am. J. Sociol, 9/68. Address: Columbia University Bureau of Applied Social Research, New York, N.Y. 10027.

ZUCKERMAN, IRVING, b. Brooklyn, N.Y., Oct. 11, 07. ECONOMICS, LAW. LL.B. St. John's (N.Y.), 29; B.C.S. Benjamin Franklin Univ, 40; American Univ, 41-52. Analyst, War Prod. Bd, 41-45; Off. Price Admin, 45-47; legis. reference serv, Library Cong, 47; statistician, bur. census, U.S. Dept. Commerce, 50; commodity indust. analyst, bur. mines, U.S. Dept. Interior, 50-51, 52; electronics div, Nat. Prod. Admin, 51-52; pub. utilities specialist, bur. natural gas, Fed. Power Cmn, 55-61; ASST. CHIEF, ECON. & MKT. DIV. OFF. COAL RES, U.S. DEPT. INTERIOR, 61-. Mem. adv. coun. U.S. Senate Civil Serv. Cmt, 47-48. Econ. Asn; Statist. Asn; Soc. Pub. Admin. Natural resources; public utility regulation; management of economic research; defense and labor economics. Publ: Oil reserves in U.S. and world; Forest reserves in U.S. and world; co-auth. Iron and steel scrap: materials survey. Address: Office of Coal Research, U.S. Dept. of the Interior, Washington, D.C. 20240.

ZUCKERMAN, DR. JOHN V(ITTO), b. Chicago, Ill, Sept. 15, 18; m. 57; c. 4. PSYCHOLOGY. M.A. Stanford, 48, Ph.D.(psychol), 51. Exec. officer, psychol. warfare div, HUMPRO, George Washington, 51-53, exec. asst. off. dir, 53-55; mgr. personnel & plant serv, Ampex Corp, 55-58, dir. personnel & indust. rels, 58-60, regional mkt. mgr, 60-61; dep. dir, bur. int. bus. ops. U.S. Dept. Commerce, 62-63, dir. off. int. trade promotion, 63; ASSOC. PROF. MGT. & DIR. RES. & DEVELOP. MGT. PROG, GRAD. SCH. BUS. ADMIN, SOUTHERN CALIFORNIA, 63-, LECTR. EXEC. PROGS, 64-, chmn. dept. mgt, 64-66. Lectr. inst. employee commun, American Univ, 51; Naval Weapons Center, China Lake, Calif, 67. Consult. Mutual Security Agency, 52; U.S. Info. Agency, 53; Syst. Develop. Corp, Calif, 63-67; Off. Secy. Air Force, 67-. Dipl. Am. Bd. Exam. Prnl. Psychol. U.S.A. 43-46, Capt. Fel. AAAS; fel. Psychol. Asn; Inst. Mgt. Sci; Acad. Mgt. Applied learning; mass communication; management sciences; research and development organizational behavior. Publ: Interest item response arrangement as it affects discrimination between professional groups, J. Appl. Psychol; Commentary variations in instructional films, J. Commun; co-auth. Management system training using leviathan (a complex computer-based organization simulation), Syst. Develop. Corp, Calif, 11/67. Address: 3407 Purdue Ave, Los Angeles, Calif. 90066.

ZUCKERMAN, DR. M(ARVIN), b. Chicago, Ill, Mar. 21, 28; m. 48; c. 2. PSYCHOLOGY. Ph.D.(psychol), N.Y. Univ, 54. Psychol. intern, Wayne County Gen. Hosp, 51-52; staff psychologist, Norwich State Hosp, 53-54; clin. psychologist, Carter Mem. Hosp, 54-56; asst. prof. clin. psychol, inst. psychiat. res, Indiana, 56-60; asst. prof. psychol, Brooklyn Col, 60-62; assoc. prof. Adelphi Col, 62-63; ASSOC. MEM. RES. LABS, DIV. ENDOCRINOL, ALBERT EINSTEIN MED. CENTER, 63-. U.S. Pub. Health Serv. res. grant, 61-68. Dipl. Am. Bd. Exam. Prnl. Psychol. Psychol. Asn; Psychosom. Soc; Soc. Psychophysiol. Res. Personality measurement; psychophysiology of emotions; sensory deprivation and overstimulation. Publ: Co-auth. Manual for the multiple affect adjective check list, Ed. & Indust. Testing Serv, 65; auth. chaps. In: Sensory deprivation: 15 years of research, Appleton, 69; co-auth. Sources of reported visual and auditory sensations in perceptual isolation, Psychol. Bull, 64. Address: Research Labs, Division of Endocrinology, Albert Einstein Medical Center, Philadelphia, Pa. 19141.

ZUCKERMAN, DR. MICHAEL, Am. Hist, see 5th ed, Dir. Am. Scholars, Vol. I, Hist.

ZUCKERMAN, DR. ROBERT, b. New York, N.Y., June 20, 22. POLITICAL SCIENCE. B.S.S. City Col. New York, 45; M.A. Columbia, 49; summers, Harvard, 59, Paris, 60; Ph.D.(polit. sci), Dijon, 66. Instr. Am. govt, City Col. New York, 50-52; Hunter Col, 52-56; vis. asst. prof. GOVT, MIAMI (FLA), 57-59, asst. prof, 60-66, ASSOC. PROF, 66-. Mem. Dade County Community Rels. Bd, 63-65. Polit. Sci. Asn. International relations; American and comparative government. Publ: Co-ed. Support for United States in 9th & 10th General Assembly; co-auth. Elections to economic and social council of United Nations 1946-1956, 56 & Soviet Union gains in United Nations, 56, Chronicle of UN. Address: Dept. of Government, University of Miami, Coral Gables, Fla. 33146.

ZUEHL, PROF. B(ENJAMIN) F(RANKLIN), b. Britt, Iowa, Jan. 12, 83; m. 09. PSYCHOLOGY. B.A. West. Union Col, 07; M.A. Minnesota, 11; Ph.D.(ed), Iowa, 21; hon. LL.D. Westmar Col, 62. Prof. psychol. & ed. & head dept, West. Union Col, 13-48, dean, 20-48; prof. psychol. & ed. & head dept. &

- dean, WESTMAR COL, 48-50, EMER. PROF. PSYCHOL, 51- Acting curator, Plymouth County Hist. Mus. Inc, 65- Education; general museum antiques. Address: 900 Second Ave. S.E., Le Mars, Iowa 51031.
- ZUERCHER, JOHN D, S.J, b. Brodhead, Wis, Dec. 28, 24. ENGINEERING PSYCHOLOGY. B.M.E., Marquette, 45; Ph.D., St. Louis, 53, M.S., 54, Th.L., 60; Ph.D.(eng. psychol), Illinois, 65. Teacher & head prefect, Campion Jesuit High Sch, 54-56; ASST. PROF. PSYCHOL. & CHMN. DEPT., MARQUETTE, 65- Nat. Inst. Ment. Health grant, 66-67; Nat. Safety Coun. explor. res. grant, 67-68. U.S.N., 42-46, Ens. Psychol. Asn; Human Factors Soc. Human performance relating to visual perception, highway safety, system efficiency and motivation. Publ: Use that mood, Sponsa Regis, 56; Cultivating contemplation in action, Spiritual Life, 59; The effects of extraneous stimulation on vigilance, Human Factors J, 65. Address: Dept. of Psychology, Marquette University, Milwaukee, Wis. 53233.
- ZUIDEMA, DR. R. TOM, b. Haarlem, Netherlands, May 24, 27; m. 59; c. 3. ANTHROPOLOGY. M.A., Leiden, 51, Ph.D.(anthrop), 62; Ph.D.(Am. hist), Madrid, 53. Curator, Mus. Ethnol., Leiden, Netherlands, 56-64; prof. ANTHROP., Univ. Ayacucho, Peru, 64-67; ASSOC. PROF., ILLINOIS, URBANA, 67- Anthrop. Asn. Publ: The ceque system of Cuzco, Brill, Netherlands, 64; co-auth, De Volken der Aarde, Romen, Netherlands, 64. Address: Dept. of Anthropology, 109 Davenport Hall, University of Illinois, Urbana, Ill. 61801.
- ZUK, DR. G(ERALD) H(ARVARD), b. Chicago, Ill, Oct. 25, 29; m. 56. PSYCHOLOGY. B.A., Los Angeles State Col, 51; Ph.D.(psychol), Chicago, 55. Asst. psychol, Ill. Neuropsychiat. Inst, 52-53; res. psychologist, Inst. Child Welfare, California, 55-56; from jr. clin. psychologist to sr. clin. psychologist, Pac. State Hosp, Pomona, Calif, 56-57; clin. res. psychologist, St. Christopher's Hosp. Children, Phila, Pa, 57-61; RES. SCIENTIST, EAST. PA. PSYCHIAT. INST, 61- Assoc. sch. med, Temple, 57-61. Psychol. Asn; Orthopsychiat. Asn; Group Psychother. Asn. Child development, including personality, intelligence and their interaction; socialization of children; parent-child relations; development of perception as related to personality and intelligence; psychopathology. Publ: Sr. ed, Family therapy and disturbed families, Sci. & Behav, 67; auth, On the pathology of silencing strategies, Family Process, 3/65; Family therapy, Arch. Gen. Psychiat, 1/67. Address: Eastern Pennsylvania Psychiatric Institute, Dept. of Clinical Research, Henry Ave. & Abbottsford Rd, Philadelphia, Pa. 19129.
- ZUKOWSKI, PROF. WALTER H(ENRY), b. Worcester, Mass, Sept. 28, 14; m. 55; c. 1. ECONOMICS. B.B.A., Clark, 48, fel, 48-51, A.M., 49, Ph.D., 56. Instr. econ, Clark, 51-52; asst. prof. BUS. ADMIN, COLBY COL, 52-57, assoc. prof, 57-65, PROF., 65-, CHMN. DEPT., 59- Instr. Worcester Polytech. Inst, 49-50; vis. prof, Rockefeller Found. grant, Al-Hikma Univ, Iraq, 58-59; vis. prof, Robert Col, Istanbul, 65-66. U.S.A.A.F, 42-46. Econ. Asn; Finance Asn; Am. Acct. Asn. Public and corporation finance. Publ: The Panama Canal, a public venture; Tax avoidance via and tax exempt institution. Address: 16 Cherry Hill Dr, Waterville, Maine 04901.
- ZUNG, DR. WILLIAM WEN-KWAI, b. Shanghai, China, Jan. 20, 29; U.S. citizen, m. 56; c. 4. PSYCHIATRY. B.S., Wisconsin, 49; B.D., Union Theol. Sem, 52; M.S., Trinity, 56; M.D., Texas, 61. Instr. PSYCHIAT. MED. CENTER, DUKE, 65-66, assoc, 66-67, ASST. PROF, 67- Vet. Admin. clin. investr, 65-67; U.S. Pub. Health Serv. res. career develop. award, 67- U.S.A., 53-55; U.S.P.H.S., 61-62, Sr. Asst. Surg. AAAS; Am. Med. Asn; Asn. Psychophysiol. Study Sleep; Psychiat. Asn; Acad. Psychosom. Med; Soc. Biol. Psychiat; N.Y. Acad. Sci. Psychiatric diseases, specifically depressive disorders in relation to sleep and arousal studies, memory functions, treatment methods and the evaluation of depressive symptomatology. Publ: Effect of depressive disorders on sleep EEG responses, 64 & A self-rating depression scale, 65, Arch. Gen. Psychiat; Evaluating treatment methods for depressive disorders, Am. J. Psychiat, 5/68. Address: Duke University Medical Center, Durham, N.C. 27706.
- ZUNICH, DR. MICHAEL, b. Lorain, Ohio, May 28, 31; m. 54; c. 1. PSYCHOLOGY. B.A., Ohio, 54; M.A., Akron, 56; Ph.D.(child develop), Fla. State, 59. Res. assoc, Fla. State, 56-59; dir. presch. labs. & assoc. prof. res. in child develop, Texas Woman's Univ, 59-62; ASSOC. PROF. CHILD DEVELOP. & DIR. CHILD DEVELOP. LAB, SOUTHERN ILLINOIS, 62- U.S.C.G., 48-51. Psychol. Asn; Sociol. Asn; Soc. Res. Child Develop; Nat. Coun. Family Rels. Observational methodology; parent-child relations; child guidance; testing. Publ: Children's reactions to failure; Relation between paternal attitudes toward child rearing and child behavior; Maternal interaction of lower-class mothers. Address: P.O. Box 1012, Carbondale, Ill. 62901.
- ZUPNICK, DR. ELLIOT, b. Brooklyn, N.Y., Apr. 23, 23; m. 46; c. 2. ECONOMICS. B.S.S., City Col. New York, 47; A.M., Columbia, 49, Ph.D.(econ), 54. Tutor ECON, CITY COL. NEW YORK, 51-54, instr, 54-55, asst. prof, 56-60, assoc. prof, 60-66, PROF., 66- Ford faculty fel, 63-64; vis. prof, Cornell, 64-65. U.S.A., 43-46. Am. Econ. Asn; fel. Royal Econ. Soc. Economic theory; international trade theory; monetary theory; international liquidity. Publ: Britain's postwar dollar problem; Primer of U.S. international economic policy, 65 & The international monetary system, 67, For. Polit. Asn. Address: 5550 Fieldston Rd, Riverdale, N.Y. 10471.
- ZURCHER, DR. ARNOLD J(OHN), b. South Amherst, Ohio, Oct. 20, 02; m. 29; c. 2. POLITICAL SCIENCE. A.B., Oberlin Col, 24; A.M., Cornell, 25; Ph.D., Princeton, 28. Instr. N.Y. UNIV, 28-30, asst. prof. POLIT. SCI., 30-35, assoc. prof, 35-40, PROF., 40-, coordinator area studies prog, 45-65. V.pres. & mem. bd. trustees, Alfred P. Sloan Found, 57-, exec. dir, 45-67. Vis. lectr, Princeton, 38; vis. prof, Yale, 43-44; civilian lectr, Sch. Mil. Govt, Charlottesville, Va, 43-44; lectr, Indust. Col. Armed Forces, Naval War Col. & Inter-Am. Defense Col, 63-65. Golden Cross of Order of Phoenix, Greece, 62. Coun. For. Rels; Polit. Sci. Asn. Publ: Systems of integrating the international community, 63; Struggle to unite Europe, 1940-1958; Experiment with democracy in central Europe. Address: 102 Cliff Ave, Pelham, N.Y. 10803.
- ZURCHER, DR. LOUIS A(NTHONY), JR, b. San Francisco, Calif, May 13, 36; m. 64. SOCIAL PSYCHOLOGY. B.A., San Francisco, 61; M.A., Arizona, 63, Nat. Sci. Found. fel. & U.S. Pub. Health Serv. grant, 64-65, Ph.D.(psychol), 65. Mgt. intern, Presidio of San Francisco, 61-62; asst. Arizona, 62-65; res. psychologist, Menninger Found, 65-68; ASST. PROF. SOCIOL, TEXAS, AUSTIN, 68- Res. grants, Menninger Found, 66-67, Off. Econ. Opportunity, 66-68 & Hogg Found, 68- U.S.N., 55-59. Psychol. Asn; Sociol. Asn. Personality and organizational interaction; adult role socialization; culture and personality; social intervention and change; group dynamics. Publ: Co-auth, Participation, interaction and role behavior in groups selected from the extremes of the open-closed cognitive continuum, J. Psychol, 10/64; auth, Value orientation, role conflict, and alienation from work: a cross-cultural study, Am. Sociol. Rev, 8/65; The Naval Recruit Training Center: a study of role assimilation in a total institution, Sociol. Inquiry, spec. ed, winter 67. Address: Dept. of Sociology, University of Texas, Austin, Tex. 78712.
- ZUROSKE, DR. C(LIFFORD) H, Agr. Econ, see 10th ed, Soc. & Behav. Vols.
- ZUSNE, DR. LEONARD, Psychology, see 11th ed, Phys. & Biol. Vols.
- ZUWAYLIF, PROF. FADIL H, b. Baghdad, Iraq, Apr. 15, 32; m. 59. ECONOMIC STATISTICS. B.A., Illinois, 55, M.S., 58, Ph.D.(econ), 60. Lectr. math, Baghdad Col, 55-56; asst. econ. bur. econ. & bus. res, Illinois, 56-60; asst. prof. econ. & statist, San Fernando Valley State Col, 60-64, assoc. prof, 64-66; vis. assoc. prof. bus. econ, Hawaii, 66-67; PROF. ECON. & STATIST, SAN FERNANDO VALLEY STATE COL, 67- Consult, Riverside County Bd. Ed, 62- Econ. Asn; Opers. Res. Soc. Economic planning and development in underdeveloped areas; business fluctuations; consumer service expenditures and savings. Publ: Statistical methods, Addison-Wesley, 68; Employers forecasts of manpower, J. Bus. Address: Dept. of Economics, San Fernando Valley State College, Northridge, Calif. 91324.
- ZWANZIG, DR. OTTO E, b. New York, N.Y., Aug. 22, 15; m. 42; c. 2. ECONOMICS. B.S. & M.S., Mass. Inst. Tech, 37; Ph.D.(econ), N.Y. Univ, 55. Instr. sch. commerce, N.Y. Univ, 46-53; dir. PAR prog. & econ. finance & mkt. res, Am. Gas Asn, 48-56; gen. sales mgr, B.C. Elec. Co. Ltd, 56-60; indust. econ. & mkt. consult, 60-62; MGR. CORP. & MKT. DEVELOP, PRICE CO. LTD, 62- Pub. utility consult, 46-48; consult, petrol. admin. for defense, U.S. Dept. Interior, 52-53; World Bank Mission, N.Z., 62. Econ. Asn; Statist. Asn; Economet. Soc; Mkt. Asn. Public utility economics of regulations; marketing management and strategy; engineering. Publ: Economic and political implications of possible enlarged scope of P.U. status. Address: 220 Grand Allée Est, Quebec 4, P.Q., Can.
- ZWANZIGER, DR. MAX DARRELL, b. Waterloo, Iowa, Aug. 1, 35; m. 57; c. 2. PSYCHOLOGY. B.A., Northern Iowa, 58; M.A., Denver, 59; Kentucky, 59-60; Ph.D.(psychol), Utah, 67. Speech pathologist, Laradon Hall Sch. Except. Children, 58; res. asst. psychol, sch. med, Colorado, 58-59; trainee, Vet. Admin. Hosp, Lexington, Ky, 58-60; staff psychologist, Lexington Child Guid. Clin, summer 60; psychol. intern, col. med, Utah, 60-61, assoc. res. psychologist, 61-63; res. dir, comprehensive ment. health planning proj, Utah State Dept. Health, 63-65; sr. res. assoc. PSYCHOL, Vet. Admin. Hosp, 65-67; ASSOC. PROF. CENT. WASH. STATE COL, 67- Asst, Utah, 65-66, col. med, 65-67. Mem, Utah State Alcoholism Found, 64-65. Psychol. Asn. Human learning; projective testing; general psychometrics and legal problems of psychology. Publ: Co-auth, Stimulus size and Rorschach responses, 62, Clinical judgment and objective measures, 64 & Matching patients and therapists: a methodological approach, 66, J. Psychol. Address: Dept. of Psychology, Central Washington State College, Ellensburg, Wash. 98926.
- ZWARENSTEYN, PROF. HENDRIK, b. Tuban Java, Indonesia, Feb. 16, 13; nat; m. 57; c. 4. BUSINESS LAW. Dr. jur, Leyden, Netherlands, 37. Practicing attorney, Netherlands, 38-40; dist. head employ. for youth & off. personnel, Netherlands Govt, 40-42; personnel dir. & legal counsel, Royal Verkeade Factories, Ltd, 42-45; managing dir, Netherlands Chamber Commerce, Benelux Countries, 45-47, exec. secy, U.S., 47-50; exec. v.pres. sales & advert, G. Hoppensstedt, Inc, 50-54; assoc. prof. econ. & bus. law, Grove City Col, 54; asst. prof. gen. bus, MICH. STATE, 54-57, assoc. prof. bus. admin, 57-61, PROF. BUS. LAW, GRAD. SCH. BUS. ADMIN, 61- Fulbright lectr, Netherlands Sch. Econ, 62-63; tech. adv, Univ. Bahia, 63-66, hon. prof, 66- Ed. int. bus. law dept, Am. Bus. Law J, 63- Past pres, Am. Bus. Law Asn. Netherlands Econ. Inst; Netherlands Soc. Trade & Indust. Foreign commerce; hotel law. Publ: Legal aspects of hotel administration, cases and materials; Introduction to business law, Mich. State Univ, 62; Fundamentals of hotel law, Ronald, 63. Address: Dept. of Business Law & Office Administration, Graduate School of Business Administration, Michigan State University, East Lansing, Mich. 48823.
- ZWEIBELSON, PROF. IRVING, b. New York, N.Y., May 6, 19; m. 46; c. 2. PSYCHOLOGY, GUIDANCE. B.S., Okla. State, 49; M.A., Columbia, 50, Ed.D., 55. Psychologist, pub. schs, Conn, 50-58; N.Y., 58-59; sr. psychologist, New Rochelle Pub. Schs, 59-67; PROF. ED, CENT. CONN. STATE COL, 67- Vis. prof, Western Illinois, summer, 65; lectr, Mercy Col.(N.Y.), 65-67; Manhattan Col, 66-67; part-time instr, Teachers Col, Columbia, 66-68. Consult, Yale, 54-58. U.S.A., 42-46. Psychol. Asn. Anxiety in children; effects of test anxiety and worry; motivation and counseling of talented students from poor neighborhoods; anxiety and the learning processes. Publ: Test anxiety and intelligence test performance & co-auth, Change in mental ability as a function of test anxiety and type of mental test, J. Consult. Psychol. Address: Dept. of Education, Central Connecticut State College, New Britain, Conn. 06050.
- ZWEIG, DR. JOSEPH PHILIP, b. Montreal, Que, July 12, 14. PSYCHOLOGY. B.Comm, Sir George Williams Col, 44; B.Sc., 44; M.A., McGill, 52; Ph.D. (psychol), Columbia, 64. Inspector, Can. Dept. Trade & Commerce, 40-42; sr. res. asst, Nat. Res. Coun, 44-46; lectr. math, McGill, 46-47; SIR GEORGE WILLIAMS, 49-55, asst. prof, 56-59, ASSOC. PROF, 60-61, PSYCHOL, 61-, RES. CONSULT, CENTER HUMAN RELS. & COMMUNITY STUDIES, 65- Am. Psychol. Asn; Can. Psychol. Asn; Inter-Am. Soc. Psychol; Int. Asn. Appl. Psychol. History of psychology; industrial psychology; elementary statistics. Publ: A compound-attitude scaling technique for the measurement of partisanship in labor-management issues, J. Appl. Psychol, Part 1, 10/67. Address: 7944 Querbes Ave, Montreal 15, Que., Can.

ZWERNEMAN, DR. JAMES A, b. Los Angeles, Calif, June 1, 27; m. 51; c. 5. ECONOMICS, OPERATIONS RESEARCH. A.B. Stanford, 50, A.M., 59; Ph.D. (econ), Notre Dame, 66. ANALYST & ECONOMIST, OPERS. RES. & ECON. DIV. RES. TRIANGLE INST, 67- U.S.N.R., 45-46. Econ. Asn; Statist. Asn; Biomet. Soc; Economet. Soc. Development of computerized gaming-simulations; design of econometric models; biometric studies; input-output studies; predictive models and forecasting methodologies. Publ: Co-auth, The influence of an intern-resident staff on the quality of private patient care, J. Am. Med. Asn, 11/65 & An economic strategy analysis game, Res. Triangle Inst, RM OU 236-10, 68; auth, Goals determination in space operations, Proc. Fifth Space Cong, 68. Address: P.O. Box 12194, Research Triangle Park, N.C. 27709.

ZWETSCHKE, DR. EARL T(HEODORE), b. Freeburg, Ill, Jan. 7, 14; m. 47; c. 2. PSYCHOLOGY. B.S. Washington (St. Louis), 46; M.P.S. Colorado, 47; Ph.D. (ed. psychol), Minnesota, 53. Asst. prof. psychol, Long Beach State Col, 52-55, assoc. prof, 55-57; dir. counseling serv, Colo. State Col, 57-60; Oakland, Calif. Sch. Dist, 60-62; assoc. prof. psychol, Ore. State Syst. Higher Ed, 62-66, PROF, 66-67; ED, WRIGHT STATE, 67- Post-grad. training, outpatient psychiat. clin, med. sch, Oregon, 62-63; scholar, Arden House Conf. Bridge Gap Between Behav. Sci. & Counseling Practices, 63 & 65. Voc. consult, Soc. Security Admin, 63-; consult, Ore. State Dept. Guid, 65-67; chronic disease sect, Ore. State Dept. Health, 65-67. Psychol. Asn; Personnel & Guid. Asn. Group, family and individual counseling; counselor-consultant function; sensitivity training; tests and measurements. Publ:

Family group consultation: a means of minimizing cultural encapsulation, Am. Personnel & Guid. Asn, 64; Family group consultation: a resource for working with youth and alcohol problems, Proc. Conf. Portland Continuation Center, 2/64; Family group consultation: a description and rationale, Personnel & Guid. J, 6/65. Address: 4433A Wilmington Pike, Kettering, Ohio 45440.

ZWICK, DR. CHARLES J(OHN), Econ, see 10th ed, Soc. & Behav. Vols.

ZWILLINGER, DR. EUGENE L(IONEL), b. New York, N.Y., Aug. 27, 34; c. 1. CLINICAL PSYCHOLOGY. A.B. N.Y. Univ, 56; Ph.D. (psychol), Washington (St. Louis), 64. Clin. psychologist, Solano County Ment. Health Serv, 63-64; ASSOC. PROF. COUNSELING, SAN FRANCISCO STATE COL, 64- Rehabilitation counseling; counseling. Address: 642 28th St, San Francisco, Calif. 94131.

ZYSKIND, DR. GEORGE, b. Lodz, Poland, Oct. 21, 29; nat. Can. STATISTICS. B.Sc. McGill, 53; M.A. Toronto, 54; Ph.D. Iowa State, 58; North Carolina, 58-59. Asst. prof. STATIST, IOWA STATE, 59-62, assoc. prof, 62-67, PROF, 67- Fel. AAAS; Statist. Asn; Inst. Math. Statist; Economet. Soc. General statistical methods; logic and theory of design of experiments. Publ: Co-auth, Analysis of variance procedures; auth, On structure, relation, Σ , and expectation of mean squares; Best and simple linear least squares estimators. Address: Dept. of Statistics, Iowa State University, Ames, Iowa 50010.

